

# DUTY CYCLE - 5.6 GHz BAND



element

XMIT 2020.12.30.0

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
Generator - Signal	Agilent	N5181A	TIG	2020-04-16	2023-04-16
Cable	Micro-Coax	UFD150A-1-0720-200200	EVK	2021-03-14	2022-03-14
Attenuator	S.M. Electronics	SA26B-20	AUY	2021-03-14	2022-03-14
Block - DC	Fairview Microwave	SD3379	AMW	2021-03-14	2022-03-14
Analyzer - Spectrum Analyzer	Keysight	N9010A	AFO	2021-07-06	2022-07-06

## TEST DESCRIPTION

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.

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TelTx 2021.10.29.2 XMI 2020.12.30.0

EUT: A-dec Gateway		Work Order: A-DE0169					
Serial Number: 521A000118		Date: 3-Dec-21					
Customer: A-dec, Inc.		Temperature: 20.4 °C					
Attendees: None		Humidity: 40.9% RH					
Project: None		Barometric Pres.: 1024 mbar					
Tested by: Jeff Alcoke		Power: 24 VDC via 110VAC/60Hz					
Job Site: EV06							
TEST SPECIFICATIONS							
FCC 15.407:2021		ANSI C63.10:2013					
TEST METHOD							
COMMENTS							
Reference level offset includes: DC block, 20 dB attenuator, and measurement cable.							
DEVIATIONS FROM TEST STANDARD							
None							
Configuration #	3	Signature					
		Pulse Width	Period	Number of Pulses	Value (%)	Limit N/A (N/A)	Results
20 MHz							
802.11(a) 6 Mbps							
Ch 100, Low Channel 5500 MHz		2.066 ms	2.086 ms	1	99	N/A	N/A
Ch 100, Low Channel 5500 MHz		N/A	N/A	5	N/A	N/A	N/A
Ch 116, Mid Channel 5580 MHz		2.066 ms	2.085 ms	1	99.1	N/A	N/A
Ch 116, Mid Channel 5580 MHz		N/A	N/A	5	N/A	N/A	N/A
Ch 140, High Channel 5700 MHz		2.066 ms	2.086 ms	1	99	N/A	N/A
Ch 140, High Channel 5700 MHz		N/A	N/A	5	N/A	N/A	N/A
802.11(a) 36 Mbps							
Ch 100, Low Channel 5500 MHz		364.978 us	385.2 us	1	94.8	N/A	N/A
Ch 100, Low Channel 5500 MHz		N/A	N/A	5	N/A	N/A	N/A
Ch 116, Mid Channel 5580 MHz		365.4 us	385.2 us	1	94.9	N/A	N/A
Ch 116, Mid Channel 5580 MHz		N/A	N/A	5	N/A	N/A	N/A
Ch 140, High Channel 5700 MHz		365.1 us	385.3 us	1	94.8	N/A	N/A
Ch 140, High Channel 5700 MHz		N/A	N/A	5	N/A	N/A	N/A
802.11(a) 54 Mbps							
Ch 100, Low Channel 5500 MHz		249.117 us	269.217 us	1	92.5	N/A	N/A
Ch 100, Low Channel 5500 MHz		N/A	N/A	5	N/A	N/A	N/A
Ch 116, Mid Channel 5580 MHz		249.4 us	269.483 us	1	92.5	N/A	N/A
Ch 116, Mid Channel 5580 MHz		N/A	N/A	5	N/A	N/A	N/A
Ch 140, High Channel 5700 MHz		249.095 us	269.139 us	1	92.6	N/A	N/A
Ch 140, High Channel 5700 MHz		N/A	N/A	5	N/A	N/A	N/A
802.11(n) MCS0							
Ch 100, Low Channel 5500 MHz		1.933 ms	1.953 ms	1	99	N/A	N/A
Ch 100, Low Channel 5500 MHz		N/A	N/A	5	N/A	N/A	N/A
Ch 116, Mid Channel 5580 MHz		1.933 ms	1.953 ms	1	99	N/A	N/A
Ch 116, Mid Channel 5580 MHz		N/A	N/A	5	N/A	N/A	N/A
Ch 140, High Channel 5700 MHz		1.933 ms	1.953 ms	1	99	N/A	N/A
Ch 140, High Channel 5700 MHz		N/A	N/A	5	N/A	N/A	N/A
802.11(n) MCS7							
Ch 100, Low Channel 5500 MHz		232.934 us	253.2 us	1	92	N/A	N/A
Ch 100, Low Channel 5500 MHz		N/A	N/A	5	N/A	N/A	N/A
Ch 116, Mid Channel 5580 MHz		232.956 us	253.361 us	1	91.9	N/A	N/A
Ch 116, Mid Channel 5580 MHz		N/A	N/A	5	N/A	N/A	N/A
Ch 140, High Channel 5700 MHz		232.895 us	253.405 us	1	91.9	N/A	N/A
Ch 140, High Channel 5700 MHz		N/A	N/A	5	N/A	N/A	N/A

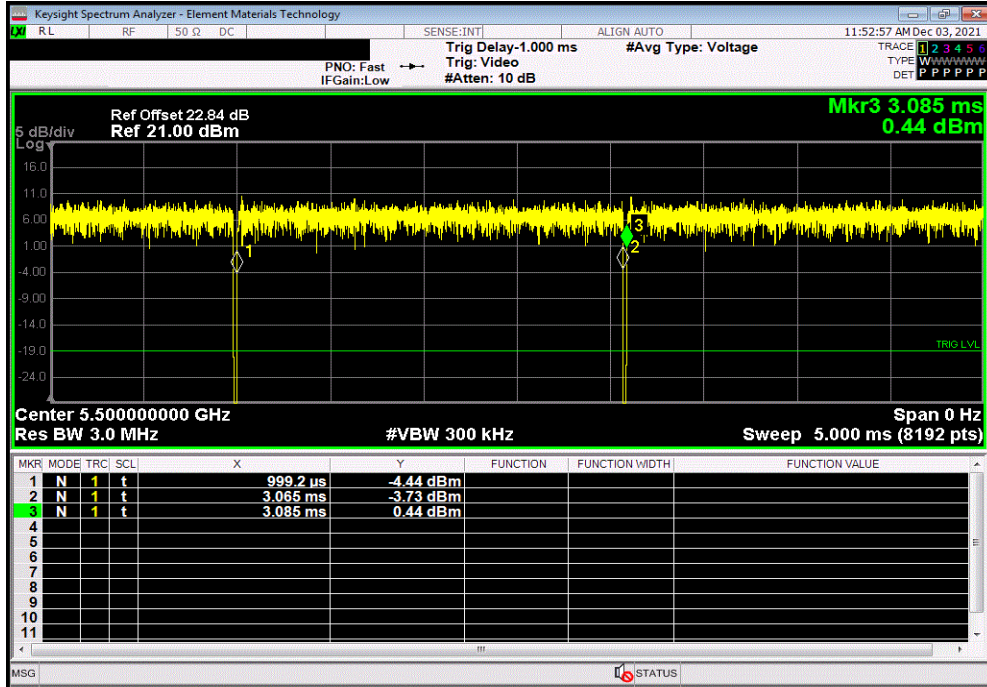
<b>802.11(ac) MCS8 (256-QAM)</b>							
	Ch 100, Low Channel 5500 MHz	201.017 us	221.405 us	1	90.8	N/A	N/A
	Ch 100, Low Channel 5500 MHz	N/A	N/A	5	N/A	N/A	N/A
	Ch 116, Mid Channel 5580 MHz	200.956 us	221.161 us	1	90.9	N/A	N/A
	Ch 116, Mid Channel 5580 MHz	N/A	N/A	5	N/A	N/A	N/A
	Ch 140, High Channel 5700 MHz	200.834 us	221.2 us	1	90.8	N/A	N/A
	Ch 140, High Channel 5700 MHz	N/A	N/A	5	N/A	N/A	N/A
<b>40 MHz</b>							
<b>802.11(n) MCS0</b>							
	Ch 100/104, Low Channel 5510 MHz	954.33 us	973.26 us	1	98.1	N/A	N/A
	Ch 100/104, Low Channel 5510 MHz	N/A	N/A	5	N/A	N/A	N/A
	Ch 116/120, Mid Channel 5590 MHz	954.33 us	972.89 us	1	98.1	N/A	N/A
	Ch 116/120, Mid Channel 5590 MHz	N/A	N/A	5	N/A	N/A	N/A
	Ch 132/136, High Channel 5670 MHz	954.2 us	973.14 us	1	98.1	N/A	N/A
	Ch 132/136, High Channel 5670 MHz	N/A	N/A	5	N/A	N/A	N/A
<b>802.11(n) MCS7</b>							
	Ch 100/104, Low Channel 5510 MHz	134.646 us	153.32 us	1	87.8	N/A	N/A
	Ch 100/104, Low Channel 5510 MHz	N/A	N/A	5	N/A	N/A	N/A
	Ch 116/120, Mid Channel 5590 MHz	134.5 us	153.266 us	1	87.8	N/A	N/A
	Ch 116/120, Mid Channel 5590 MHz	N/A	N/A	5	N/A	N/A	N/A
	Ch 132/136, High Channel 5670 MHz	134.443 us	153.229 us	1	87.7	N/A	N/A
	Ch 132/136, High Channel 5670 MHz	N/A	N/A	5	N/A	N/A	N/A
<b>802.11(ac) MCS9 (256-QAM)</b>							
	Ch 100/104, Low Channel 5510 MHz	114.47 us	132.98 us	1	86.1	N/A	N/A
	Ch 100/104, Low Channel 5510 MHz	N/A	N/A	5	N/A	N/A	N/A
	Ch 116/120, Mid Channel 5590 MHz	114.417 us	133.037 us	1	86	N/A	N/A
	Ch 116/120, Mid Channel 5590 MHz	N/A	N/A	5	N/A	N/A	N/A
	Ch 132/136, High Channel 5670 MHz	114.563 us	133.11 us	1	86.1	N/A	N/A
	Ch 132/136, High Channel 5670 MHz	N/A	N/A	5	N/A	N/A	N/A
<b>80 MHz</b>							
<b>802.11(ac) MCS0</b>							
	Ch 100-112, Low Channel 5530 MHz	462.678 us	481.222 us	1	96.1	N/A	N/A
	Ch 100-112, Low Channel 5530 MHz	N/A	N/A	5	N/A	N/A	N/A
	Ch 116-128, High Channel 5610 MHz	462.656 us	481.1 us	1	96.2	N/A	N/A
	Ch 116-128, High Channel 5610 MHz	N/A	N/A	5	N/A	N/A	N/A
<b>802.11(ac) MCS9 (256-QAM)</b>							
	Ch 100-112, Low Channel 5530 MHz	74.634 us	93.005 us	1	80.2	N/A	N/A
	Ch 100-112, Low Channel 5530 MHz	N/A	N/A	5	N/A	N/A	N/A
	Ch 116-128, High Channel 5610 MHz	74.683 us	93.102 us	1	80.2	N/A	N/A
	Ch 116-128, High Channel 5610 MHz	N/A	N/A	5	N/A	N/A	N/A

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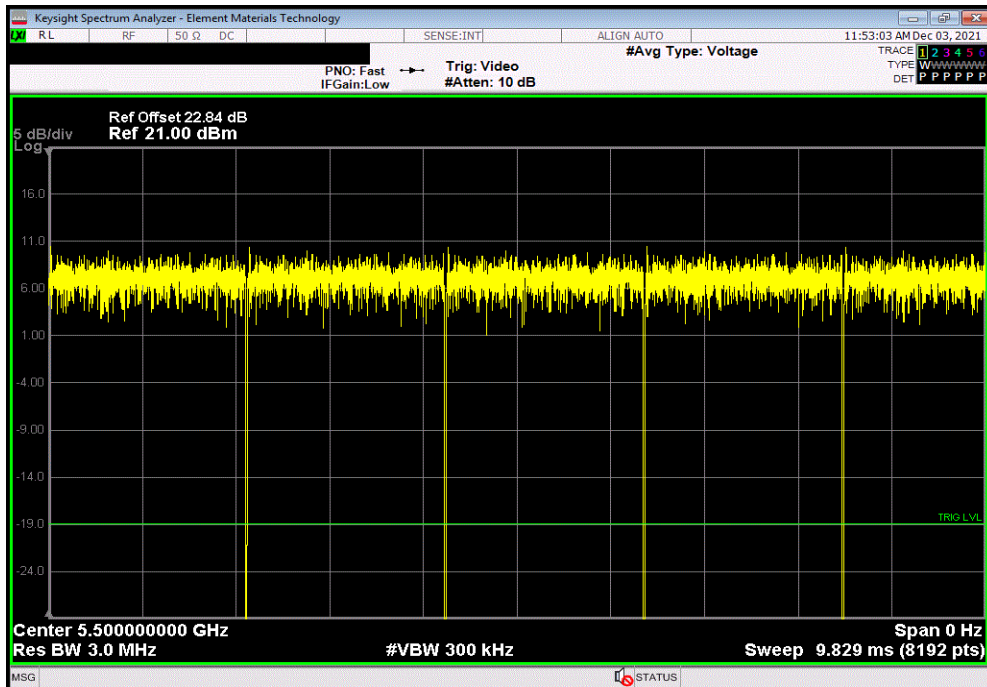


TbTx 2021.10.29.2 XMI 2020.12.30.0

20 MHz, 802.11(a) 6 Mbps, Ch 100, Low Channel 5500 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit	Results	
2.066 ms	2.086 ms	1	99	N/A (N/A)	N/A	



20 MHz, 802.11(a) 6 Mbps, Ch 100, Low Channel 5500 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit	Results	
N/A	N/A	5	N/A	N/A (N/A)	N/A	

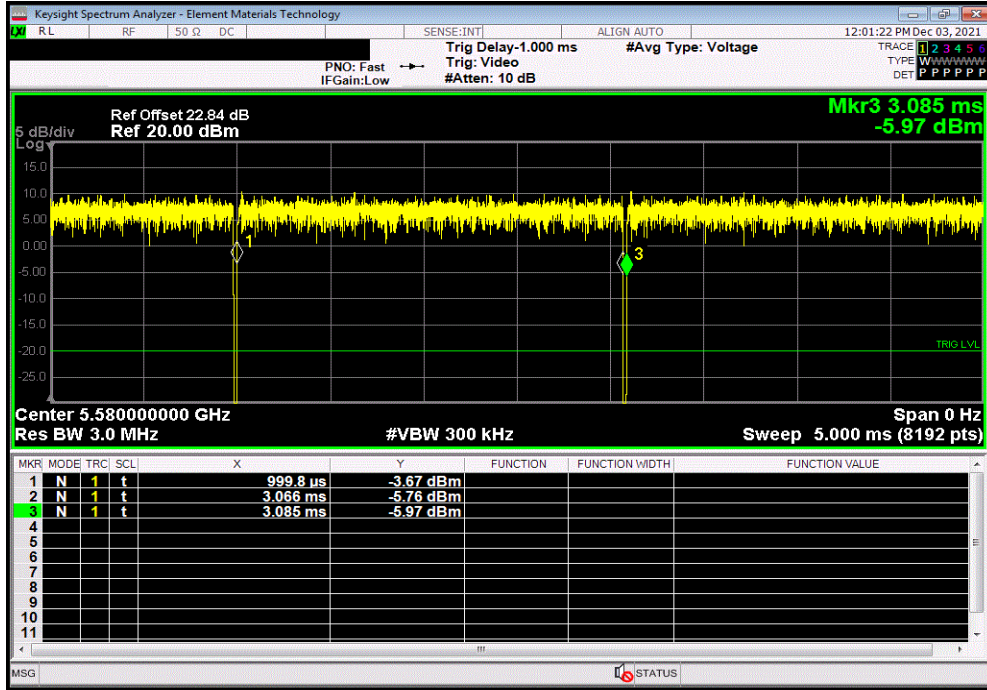


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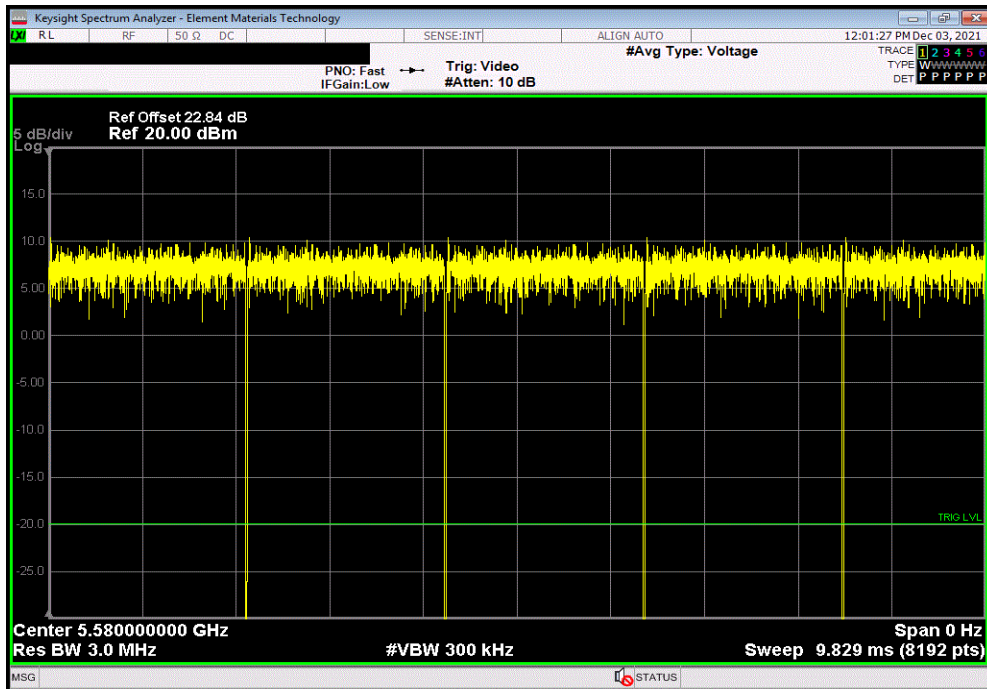


TbTx 2021.10.29.2 XMI 2020.12.30.0

20 MHz, 802.11(a) 6 Mbps, Ch 116, Mid Channel 5580 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit	Results	
2.066 ms	2.085 ms	1	99.1	N/A (N/A)	N/A	



20 MHz, 802.11(a) 6 Mbps, Ch 116, Mid Channel 5580 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit	Results	
N/A	N/A	5	N/A	N/A (N/A)	N/A	

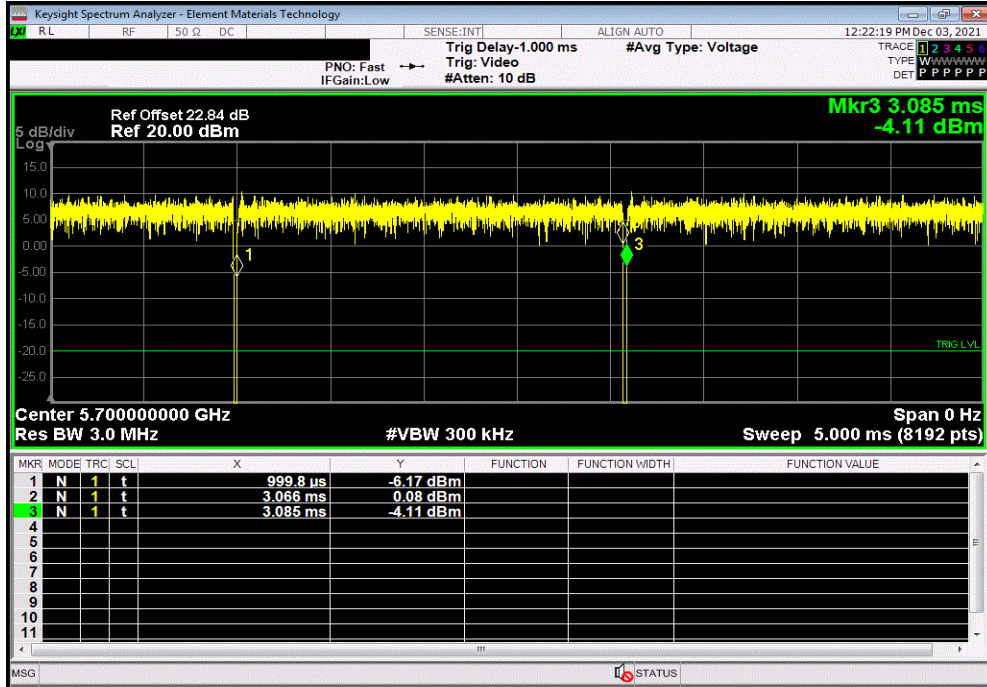


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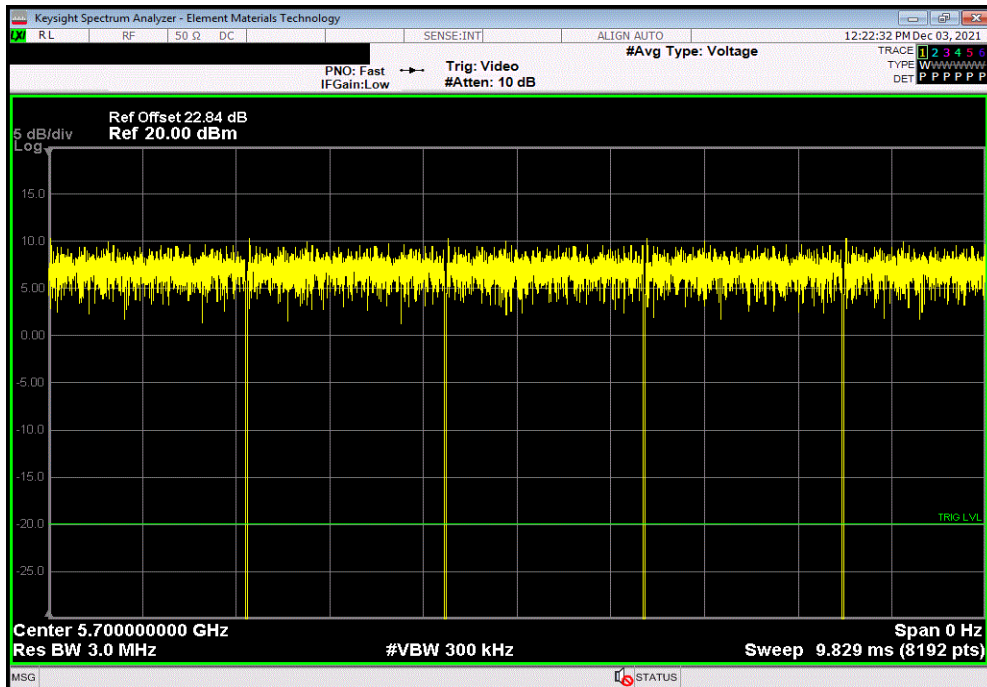


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20 MHz, 802.11(a) 6 Mbps, Ch 140, High Channel 5700 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit	Results	
2.066 ms	2.086 ms	1	99	N/A (N/A)	N/A	



20 MHz, 802.11(a) 6 Mbps, Ch 140, High Channel 5700 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit	Results	
N/A	N/A	5	N/A	N/A (N/A)	N/A	

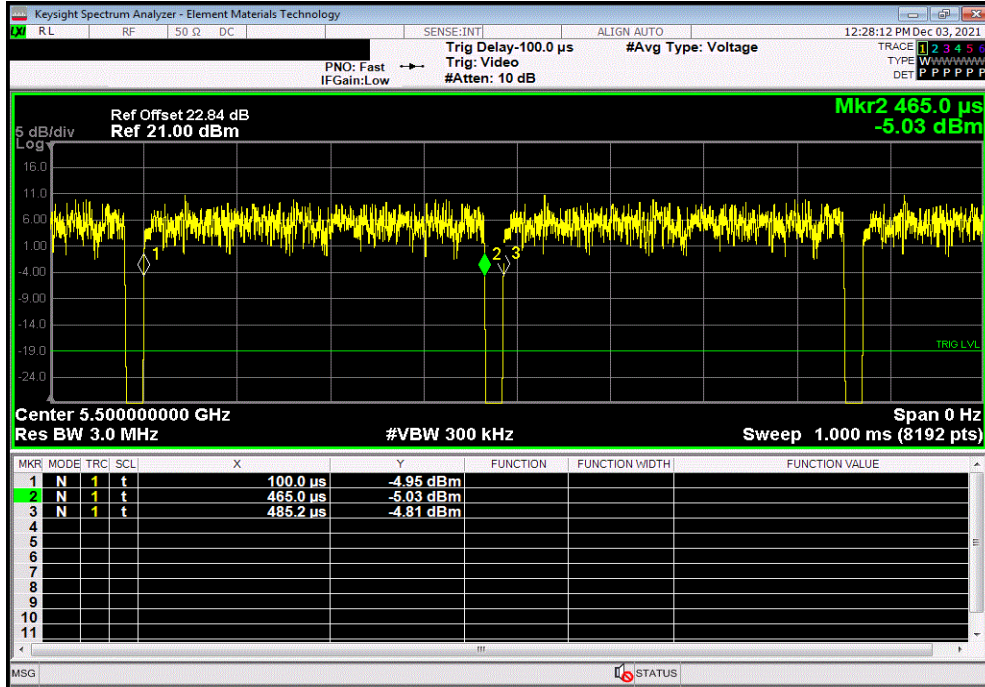


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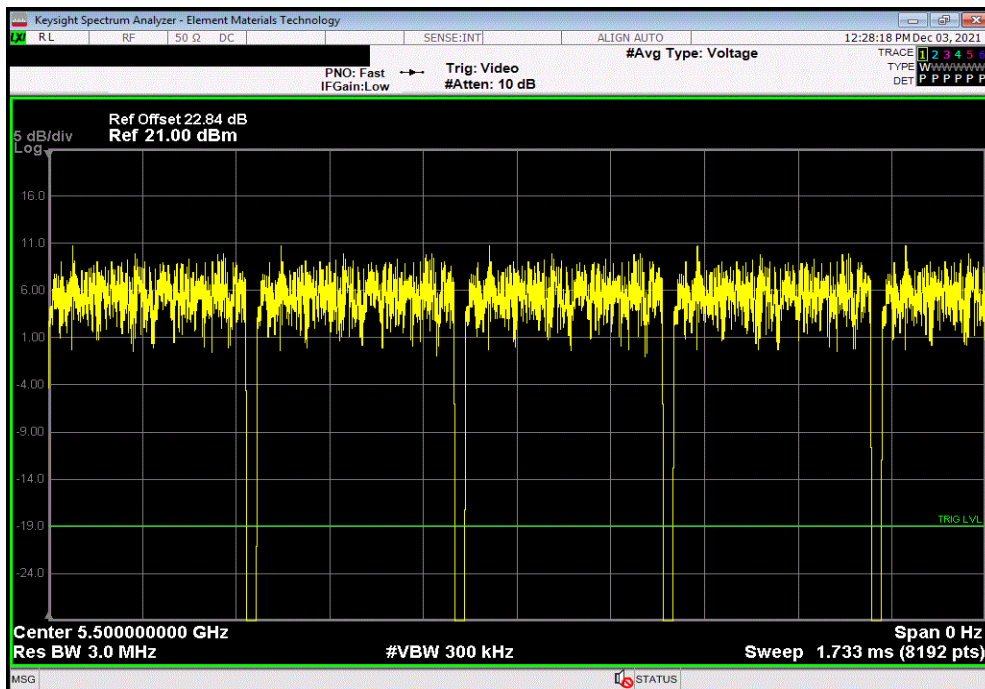


TbTx 2021.10.29.2 XMI 2020.12.30.0

20 MHz, 802.11(a) 36 Mbps, Ch 100, Low Channel 5500 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit	Results	
364.978 us	385.2 us	1	94.8	N/A (N/A)	N/A	



20 MHz, 802.11(a) 36 Mbps, Ch 100, Low Channel 5500 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit	Results	
N/A	N/A	5	N/A	N/A (N/A)	N/A	

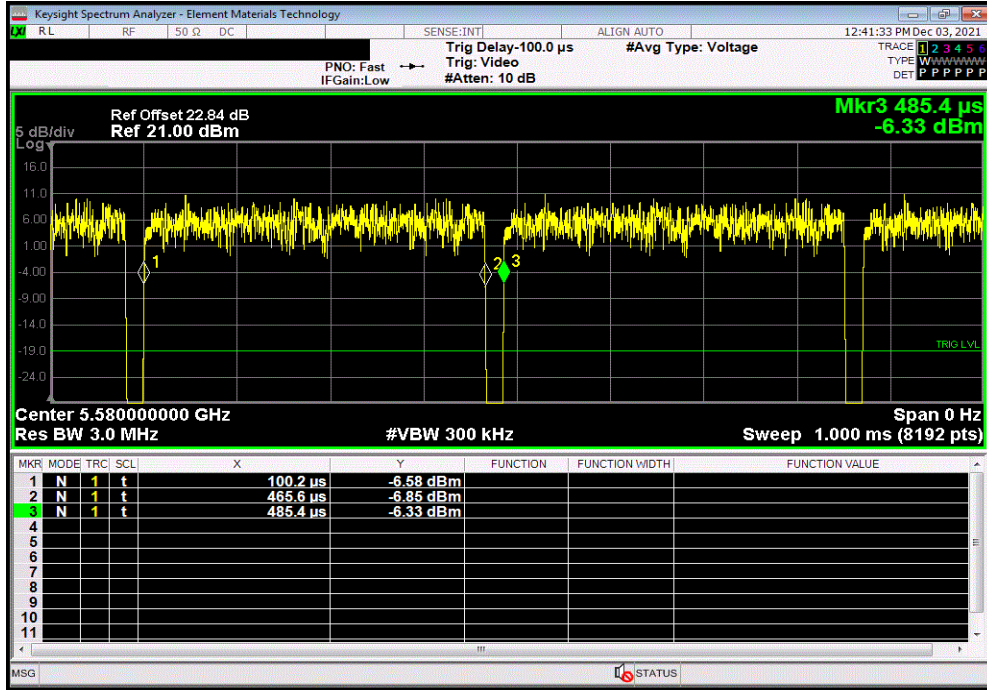


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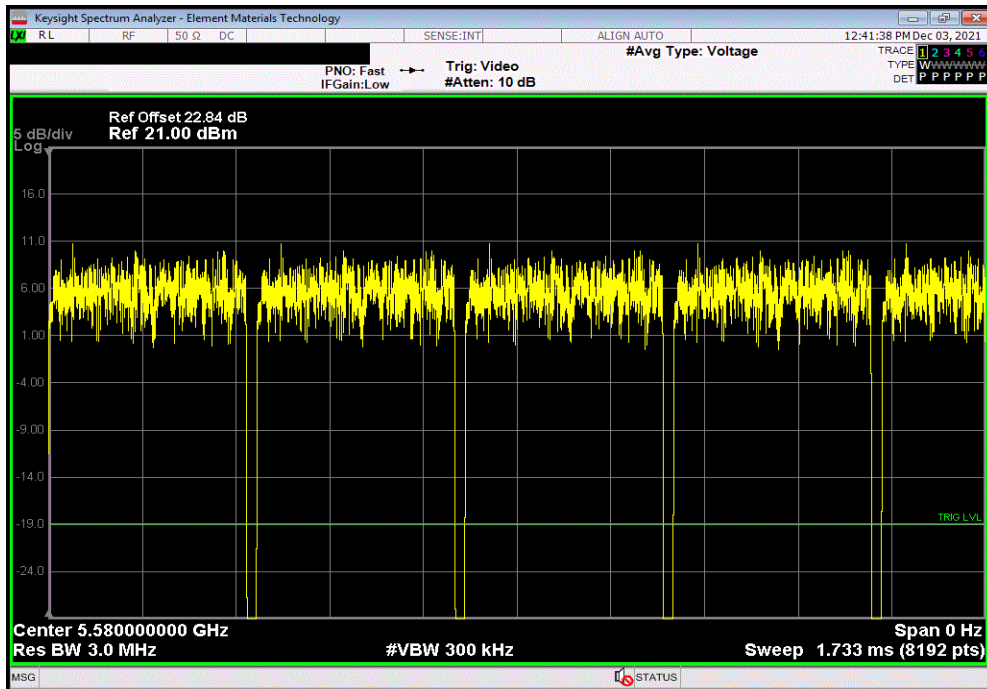


TbTx 2021.10.29.2 XMI 2020.12.30.0

20 MHz, 802.11(a) 36 Mbps, Ch 116, Mid Channel 5580 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit	Results	
365.4 us	385.2 us	1	94.9	N/A (N/A)	N/A	



20 MHz, 802.11(a) 36 Mbps, Ch 116, Mid Channel 5580 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit	Results	
N/A	N/A	5	N/A	N/A (N/A)	N/A	



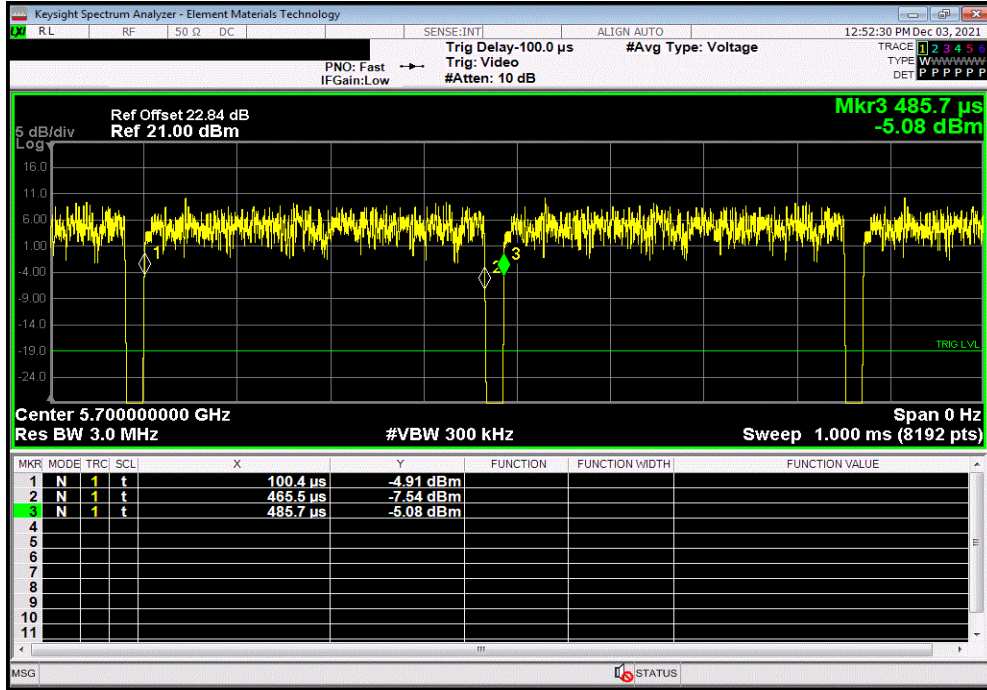


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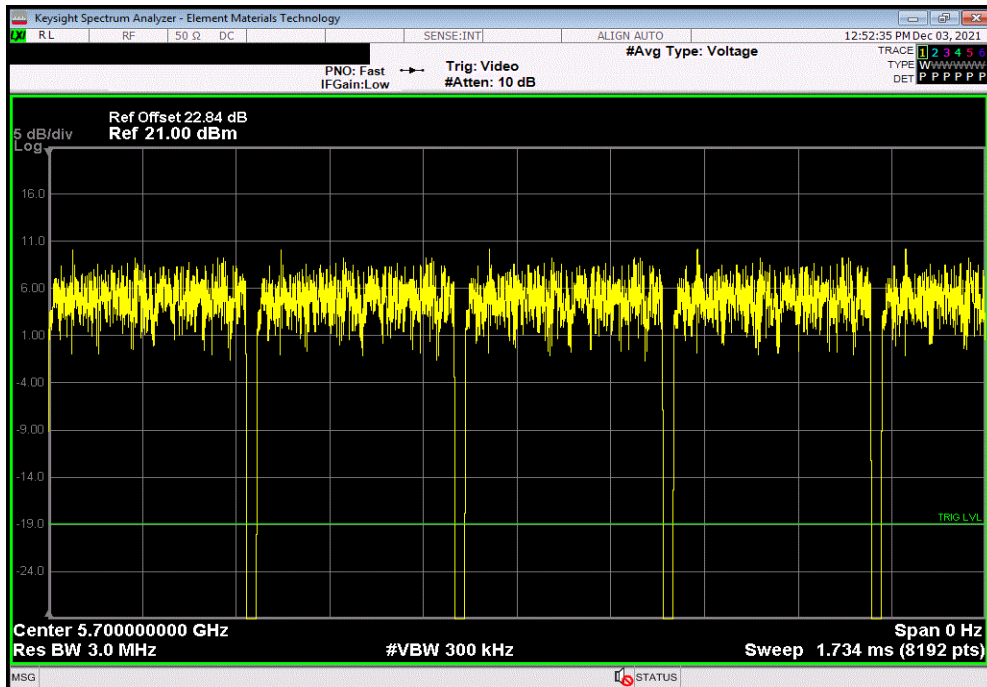


TbTx 2021.10.29.2 XMI 2020.12.30.0

20 MHz, 802.11(a) 36 Mbps, Ch 140, High Channel 5700 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit	Results	
365.1 us	385.3 us	1	94.8	N/A (N/A)	N/A	



20 MHz, 802.11(a) 36 Mbps, Ch 140, High Channel 5700 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit	Results	
N/A	N/A	5	N/A	N/A (N/A)	N/A	

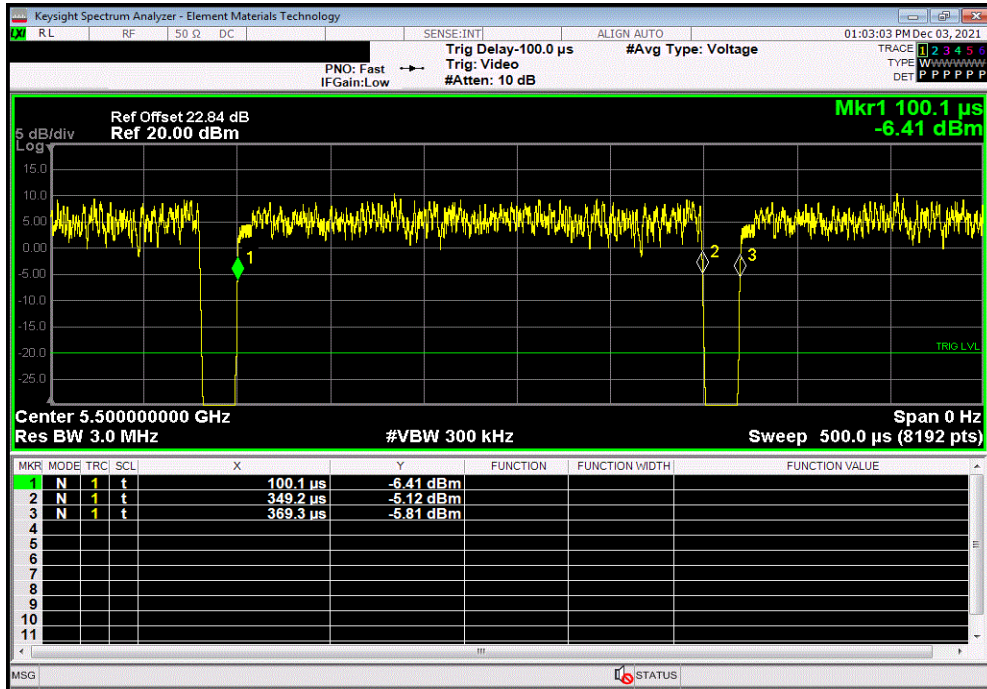


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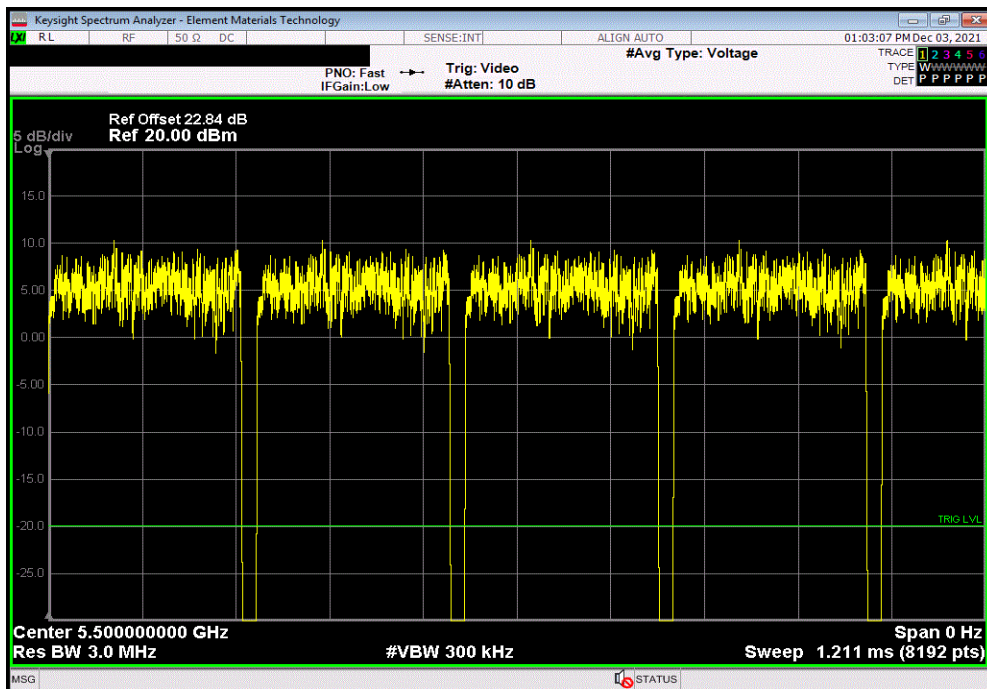


TbTx 2021.10.29.2 XMI 2020.12.30.0

20 MHz, 802.11(a) 54 Mbps, Ch 100, Low Channel 5500 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit	Results	
249.117 us	269.217 us	1	92.5	N/A (N/A)	N/A	



20 MHz, 802.11(a) 54 Mbps, Ch 100, Low Channel 5500 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit	Results	
N/A	N/A	5	N/A	N/A (N/A)	N/A	

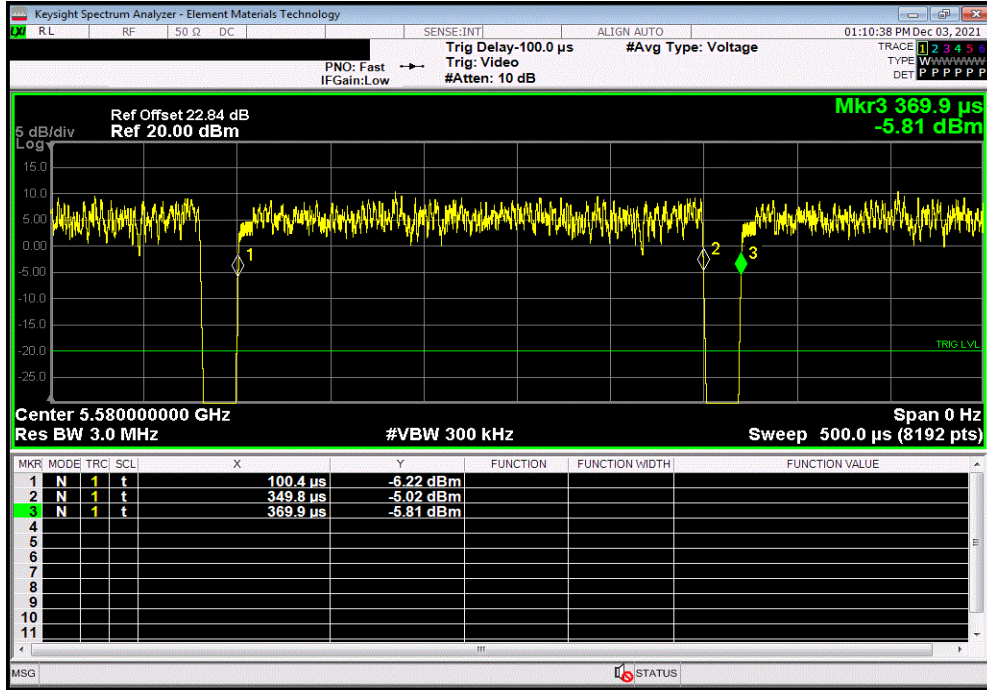


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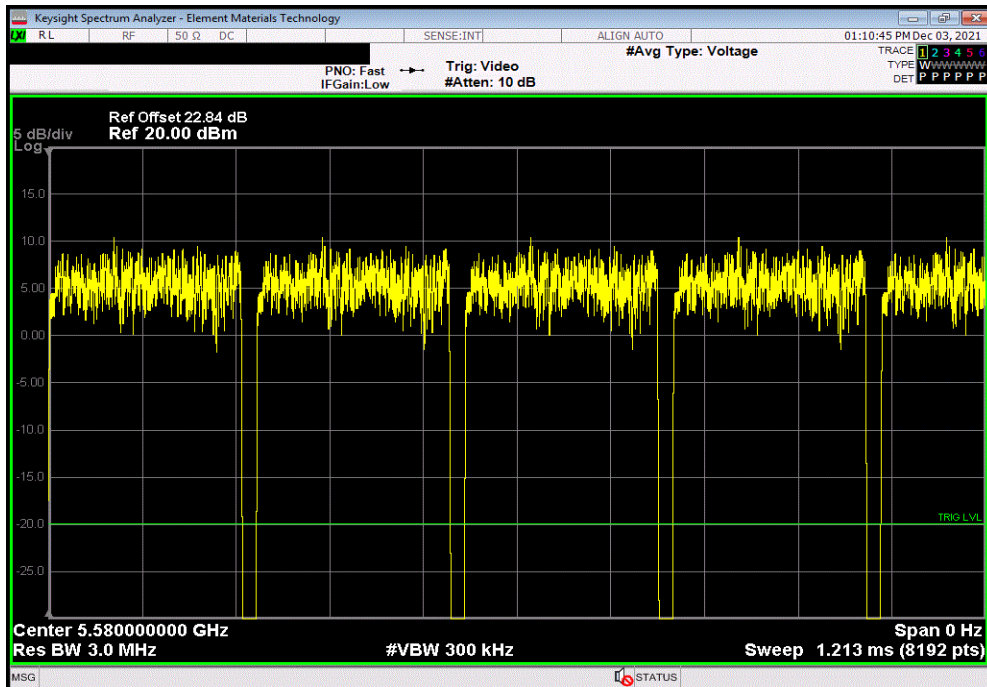


TbTx 2021.10.29.2 XMI 2020.12.30.0

20 MHz, 802.11(a) 54 Mbps, Ch 116, Mid Channel 5580 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit	Results	
249.4 us	269.483 us	1	92.5	N/A (N/A)	N/A	



20 MHz, 802.11(a) 54 Mbps, Ch 116, Mid Channel 5580 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit	Results	
N/A	N/A	5	N/A	N/A (N/A)	N/A	

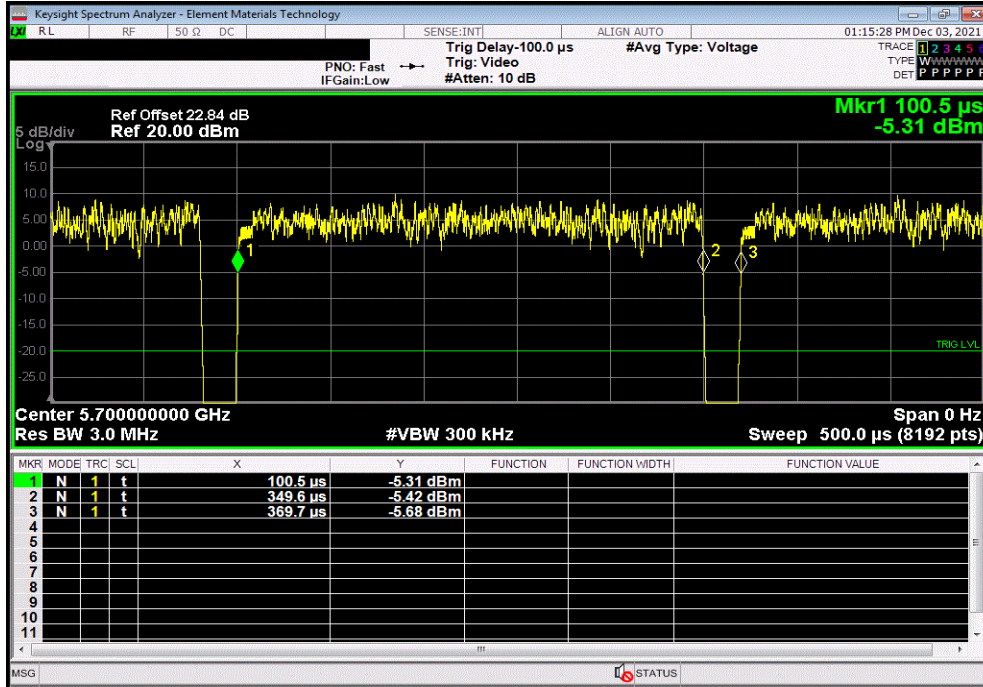


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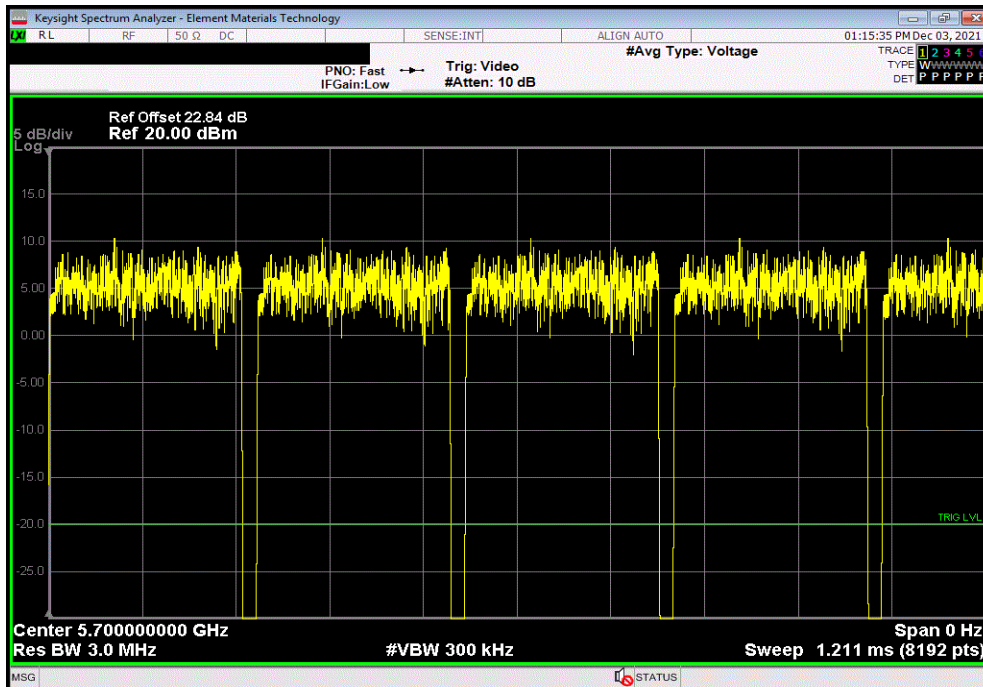


TbTx 2021.10.29.2 XMI 2020.12.30.0

20 MHz, 802.11(a) 54 Mbps, Ch 140, High Channel 5700 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit	Results	
249.095 us	269.139 us	1	92.6	N/A (N/A)	N/A	



20 MHz, 802.11(a) 54 Mbps, Ch 140, High Channel 5700 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit	Results	
N/A	N/A	5	N/A	N/A (N/A)	N/A	

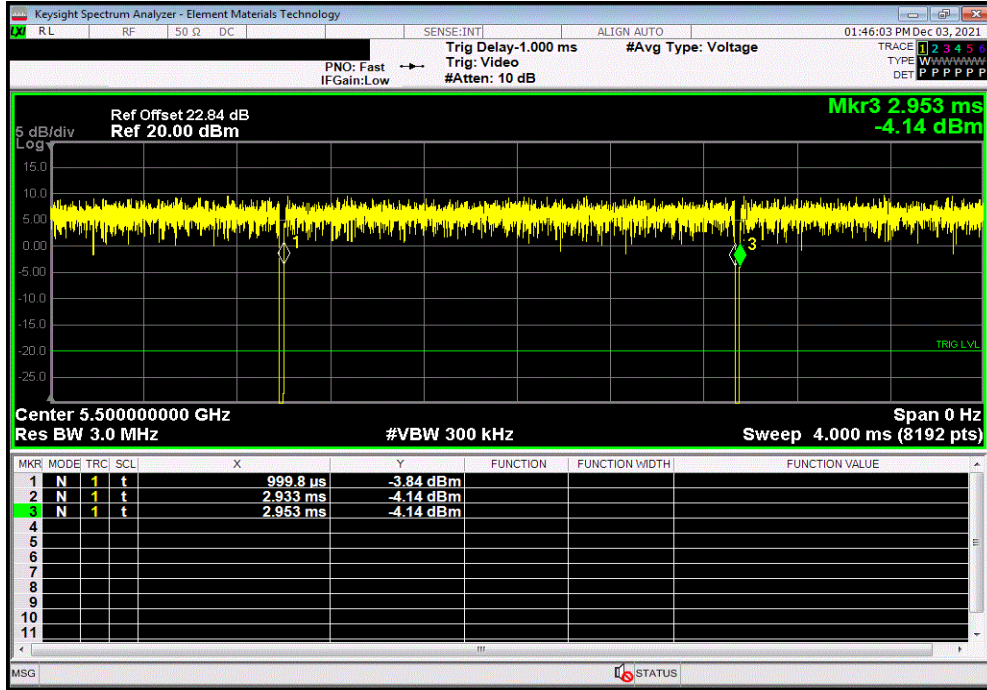


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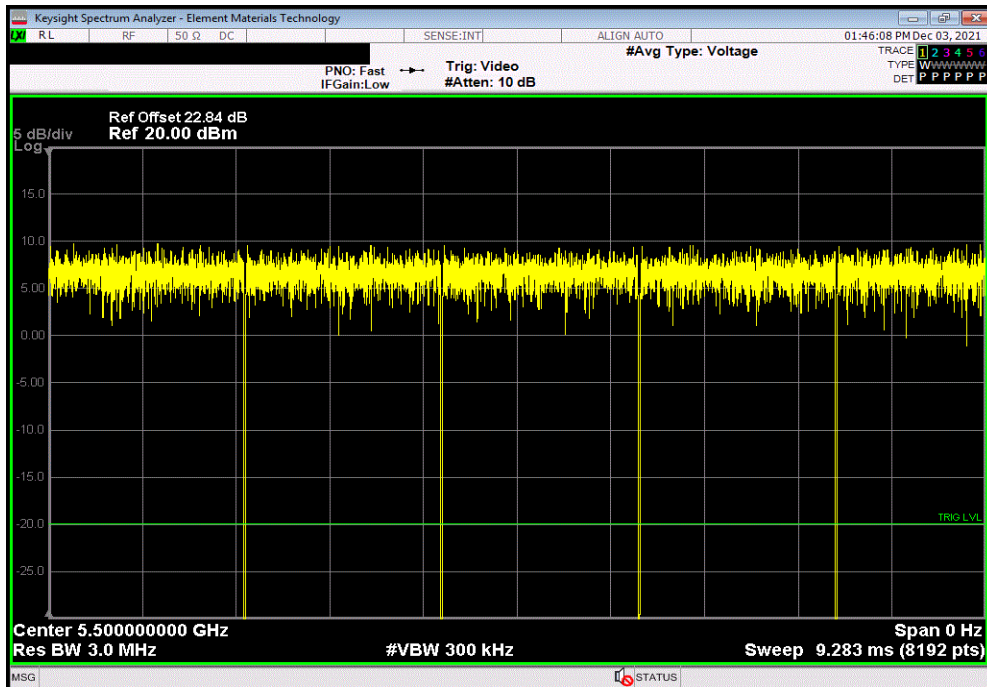


TbTx 2021.10.29.2 XMI 2020.12.30.0

20 MHz, 802.11(n) MCS0, Ch 100, Low Channel 5500 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit	Results	
1.933 ms	1.953 ms	1	99	N/A (N/A)	N/A	



20 MHz, 802.11(n) MCS0, Ch 100, Low Channel 5500 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit	Results	
N/A	N/A	5	N/A	N/A (N/A)	N/A	

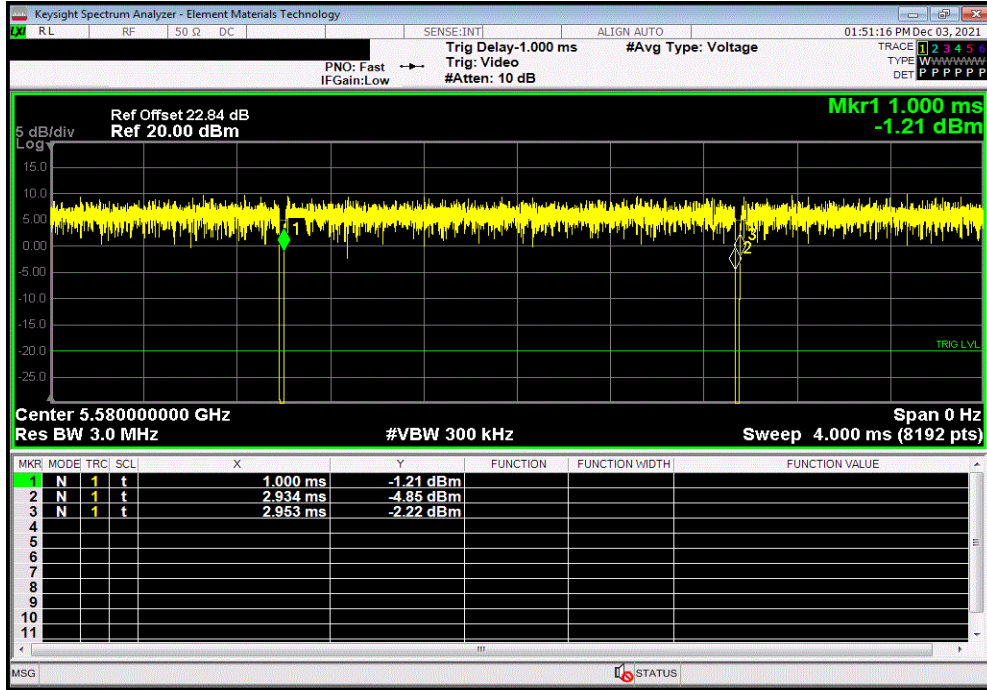


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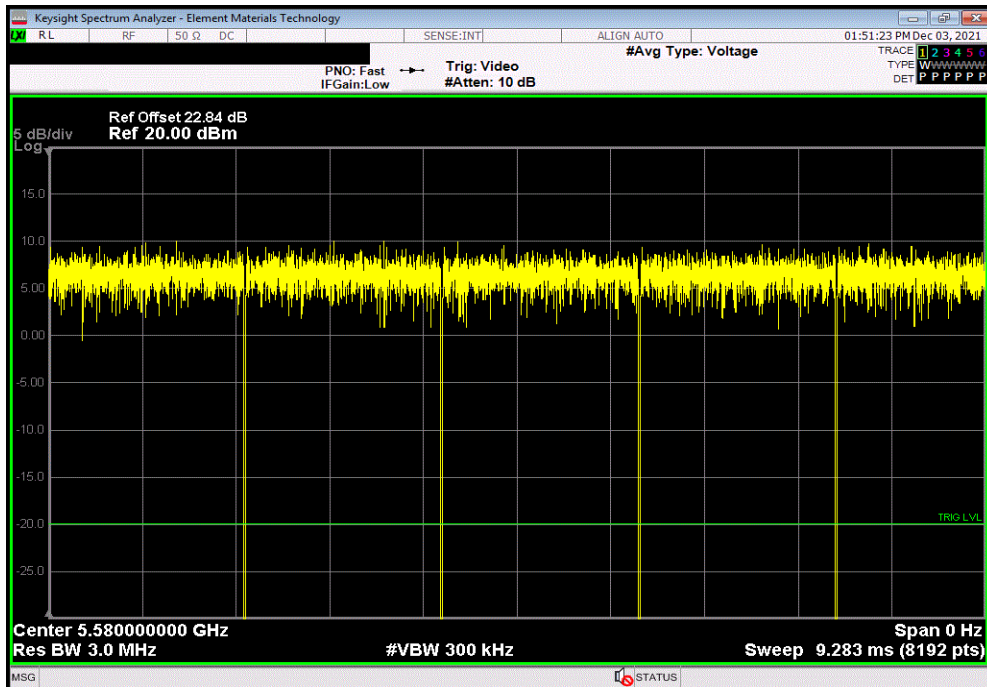


TbTx 2021.10.29.2 XMI 2020.12.30.0

20 MHz, 802.11(n) MCS0, Ch 116, Mid Channel 5580 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit	Results	
1.933 ms	1.953 ms	1	99	N/A (N/A)	N/A	



20 MHz, 802.11(n) MCS0, Ch 116, Mid Channel 5580 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit	Results	
N/A	N/A	5	N/A	N/A (N/A)	N/A	

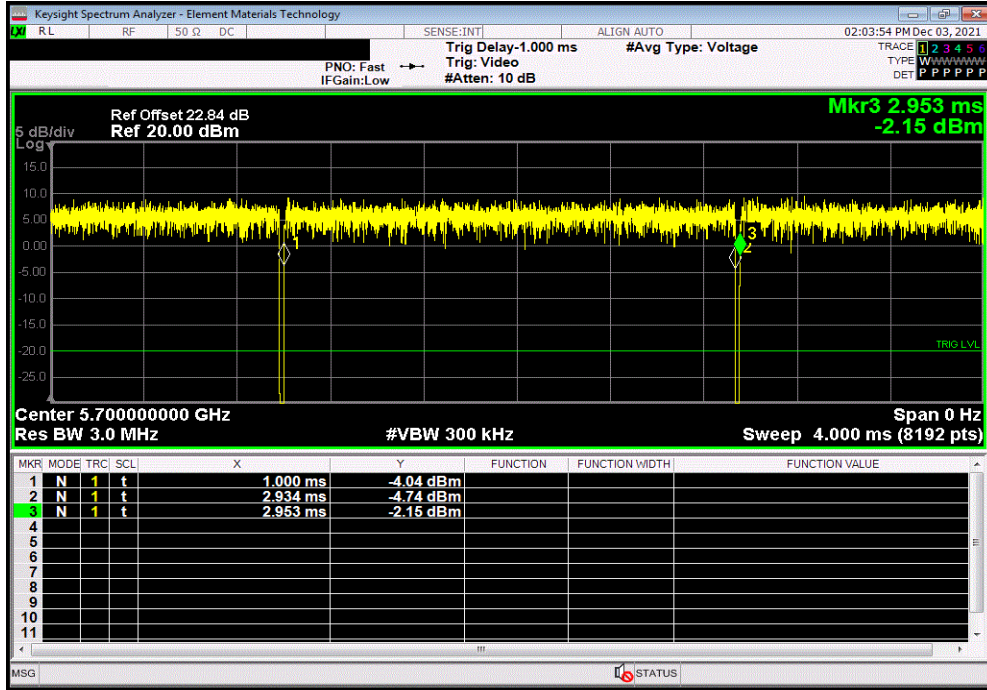


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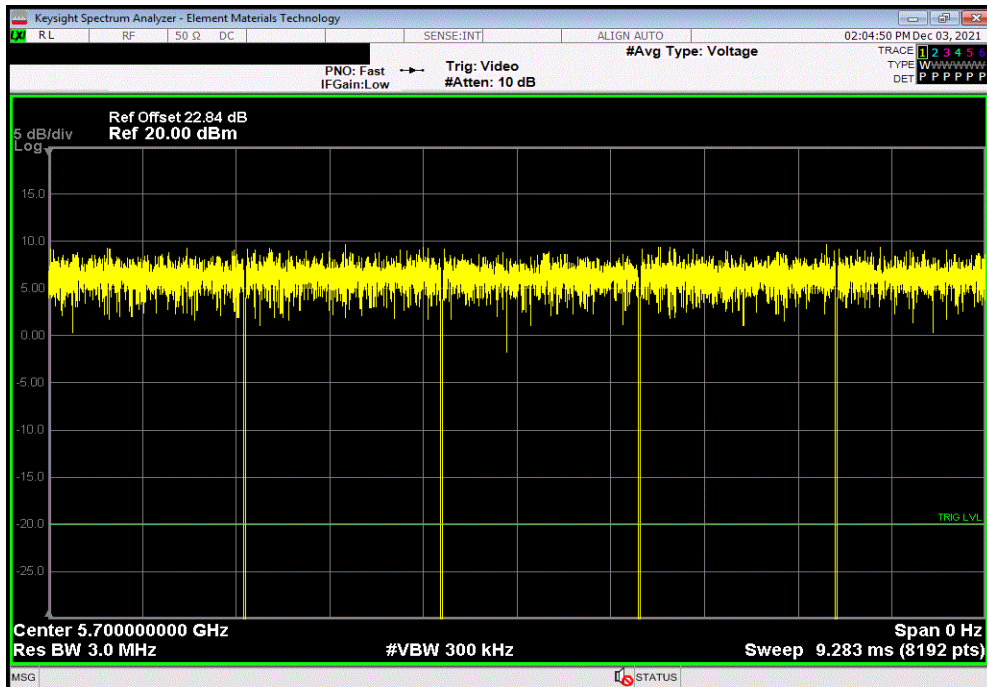


TbTx 2021.10.29.2 XMI 2020.12.30.0

20 MHz, 802.11(n) MCS0, Ch 140, High Channel 5700 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit	Results	
1.933 ms	1.953 ms	1	99	N/A (N/A)	N/A	



20 MHz, 802.11(n) MCS0, Ch 140, High Channel 5700 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit	Results	
N/A	N/A	5	N/A	N/A (N/A)	N/A	

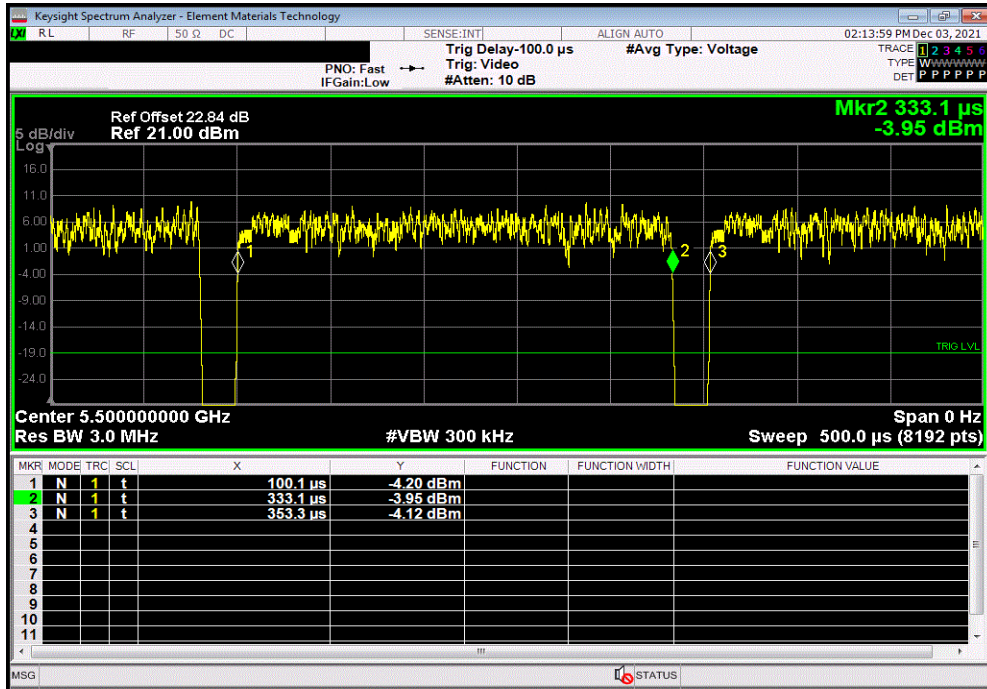


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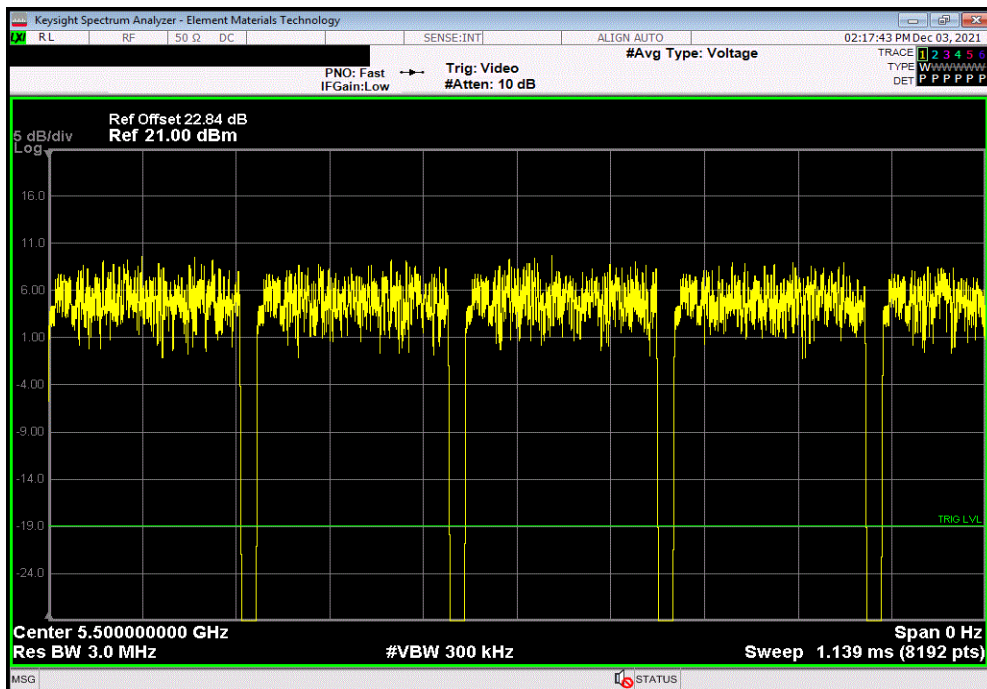


TbTx 2021.10.29.2 XMI 2020.12.30.0

20 MHz, 802.11(n) MCS7, Ch 100, Low Channel 5500 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit	Results	
232.934 us	253.2 us	1	92	N/A (N/A)	N/A	



20 MHz, 802.11(n) MCS7, Ch 100, Low Channel 5500 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit	Results	
N/A	N/A	5	N/A	N/A (N/A)	N/A	



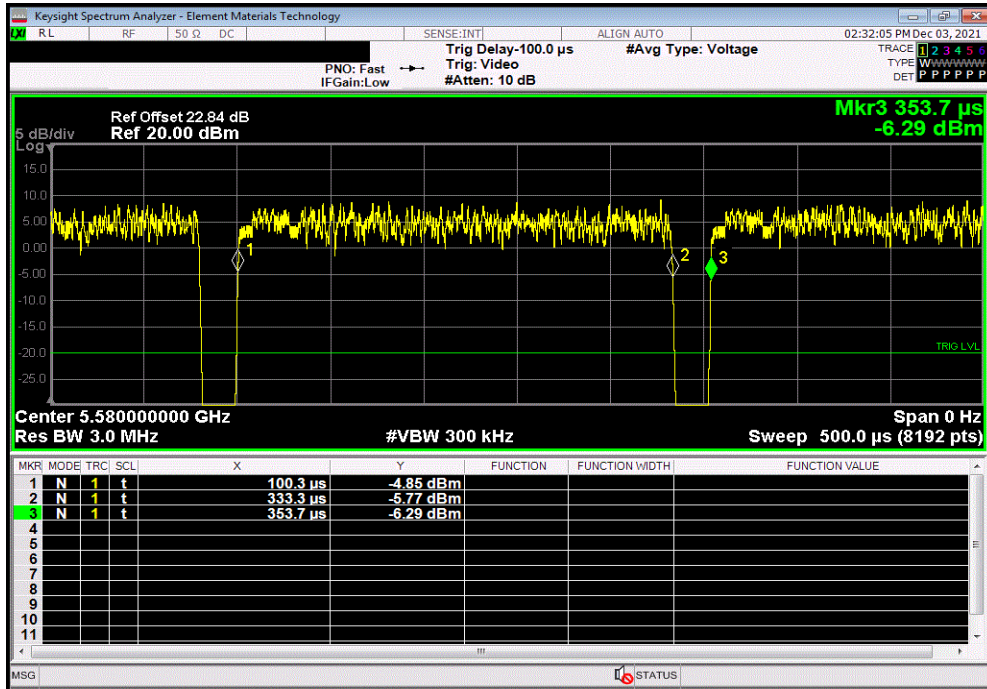


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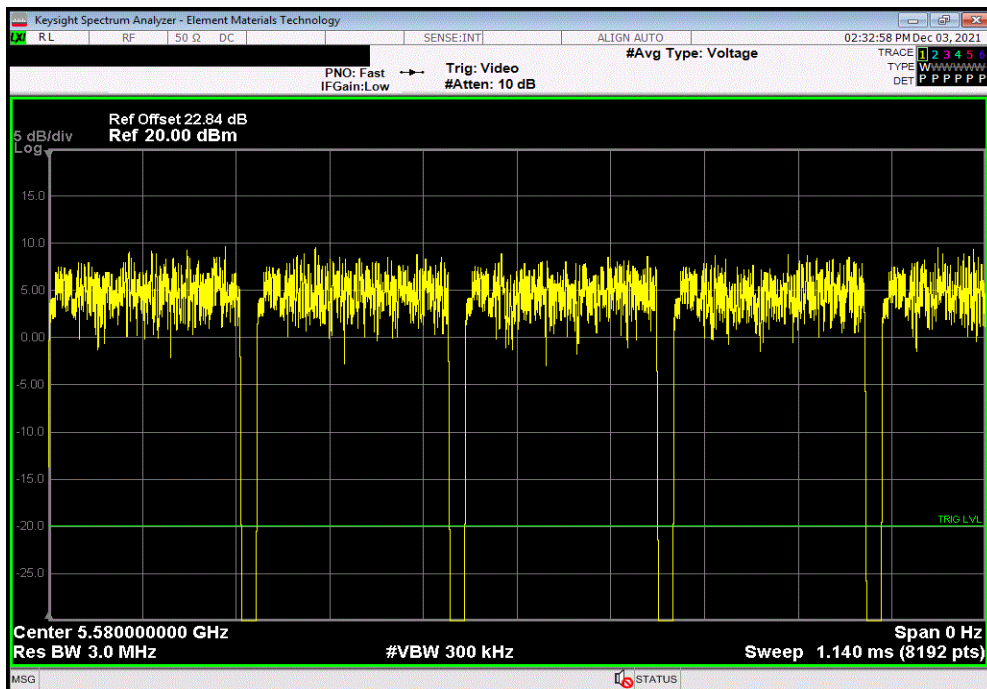


TbTx 2021.10.29.2 XMI 2020.12.30.0

20 MHz, 802.11(n) MCS7, Ch 116, Mid Channel 5580 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit	Results	
232.956 us	253.361 us	1	91.9	N/A (N/A)	N/A	



20 MHz, 802.11(n) MCS7, Ch 116, Mid Channel 5580 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit	Results	
N/A	N/A	5	N/A	N/A (N/A)	N/A	

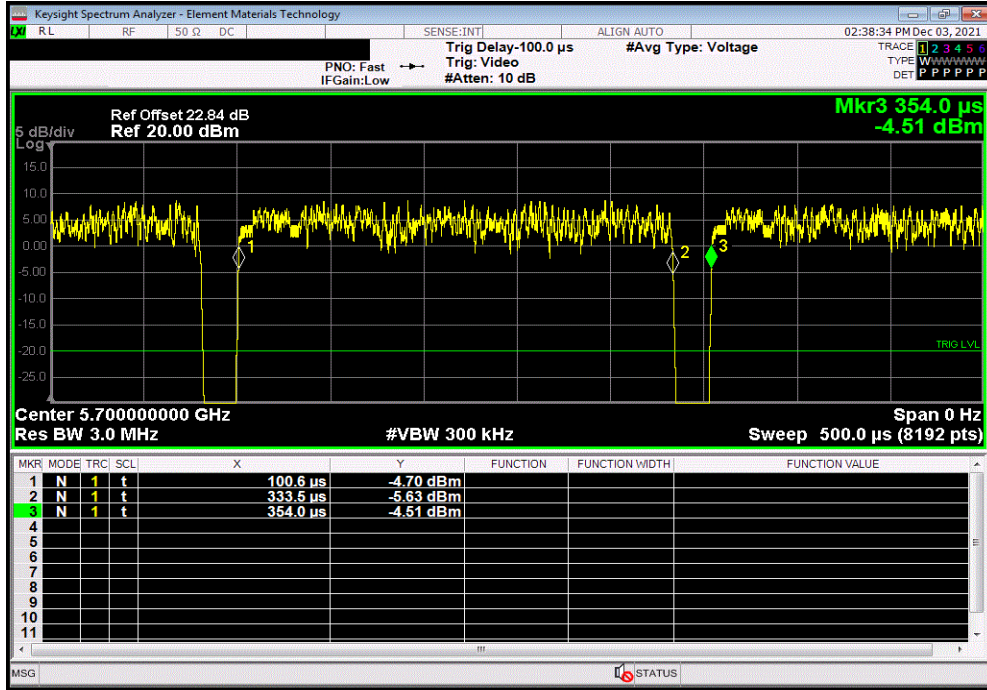


# DUTY CYCLE - 5.6 GHz BAND

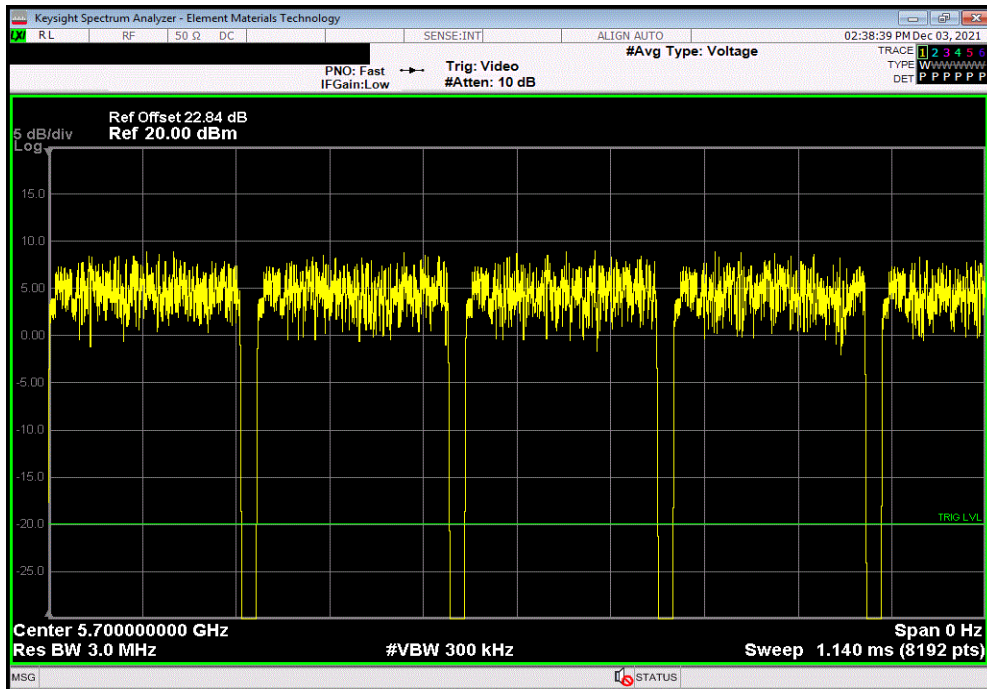


Tel: +31 20 486 2000 | XMI 2020.12.30.0

20 MHz, 802.11(n) MCS7, Ch 140, High Channel 5700 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit	Results	
232.895 us	253.405 us	1	91.9	N/A (N/A)	N/A	



20 MHz, 802.11(n) MCS7, Ch 140, High Channel 5700 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit	Results	
N/A	N/A	5	N/A	N/A (N/A)	N/A	

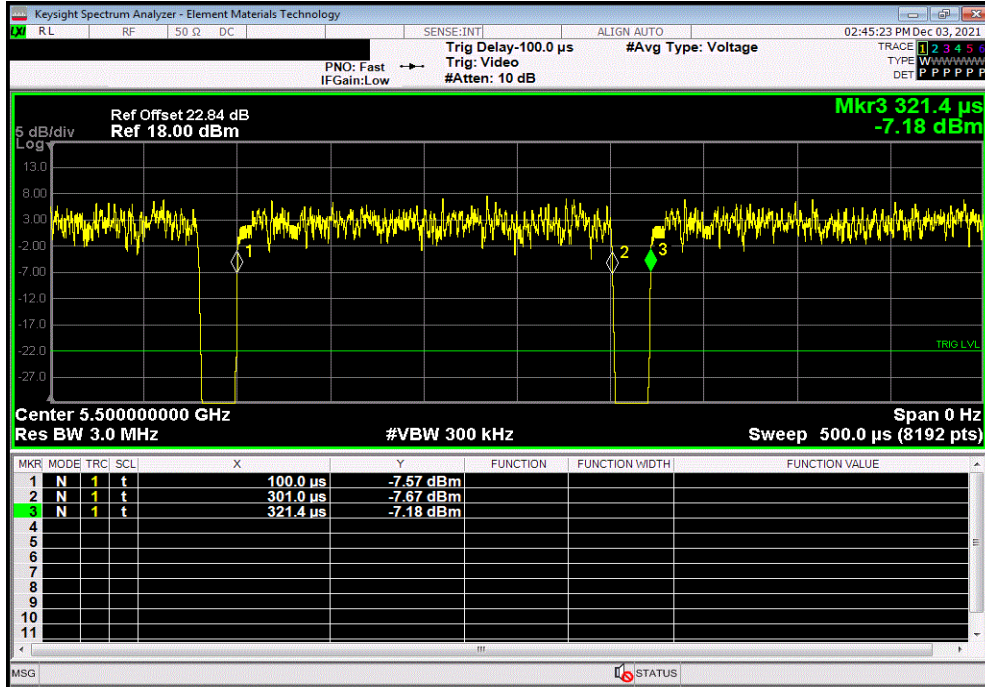


# DUTY CYCLE - 5.6 GHz BAND

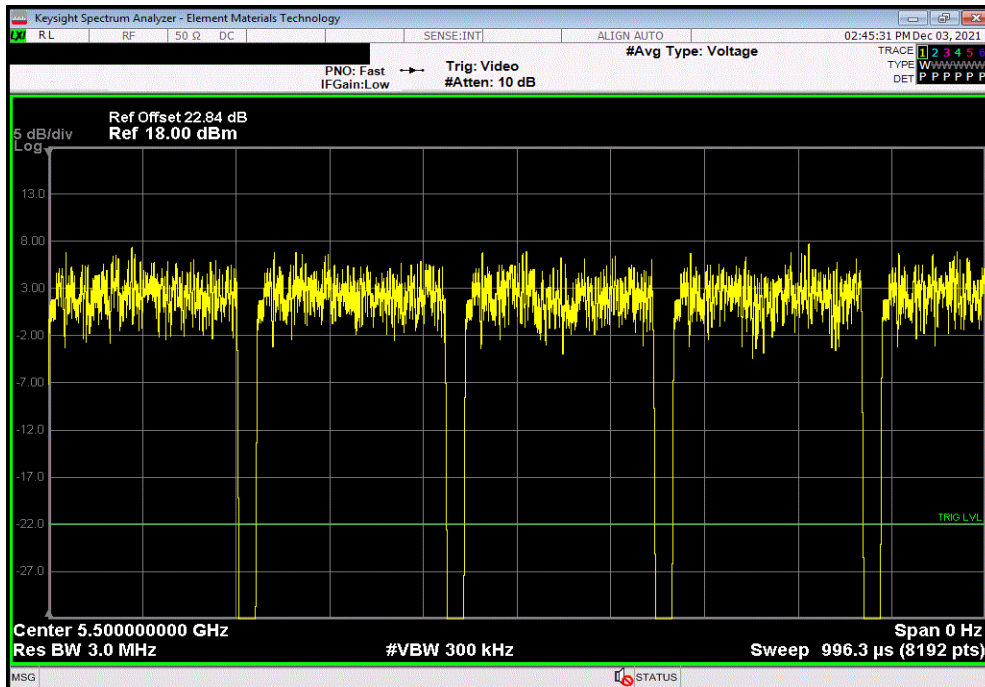


TbTx 2021.10.29.2 XMI 2020.12.30.0

20 MHz, 802.11(ac) MCS8 (256-QAM), Ch 100, Low Channel 5500 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit	Results	
201.017 us	221.405 us	1	90.8	N/A (N/A)	N/A	



20 MHz, 802.11(ac) MCS8 (256-QAM), Ch 100, Low Channel 5500 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit	Results	
N/A	N/A	5	N/A	N/A (N/A)	N/A	

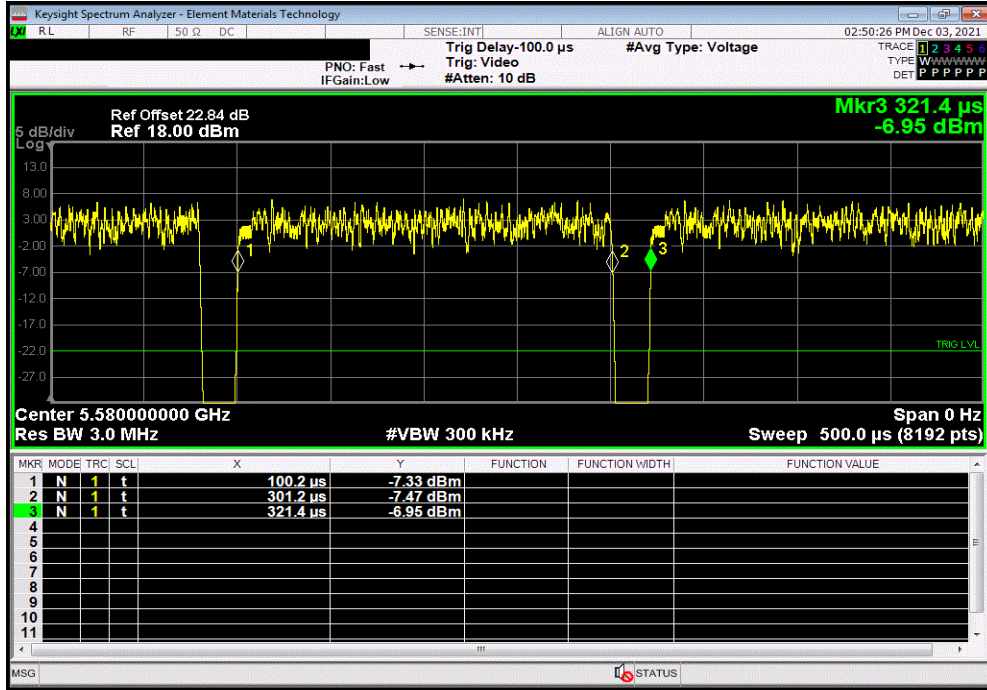


# DUTY CYCLE - 5.6 GHz BAND

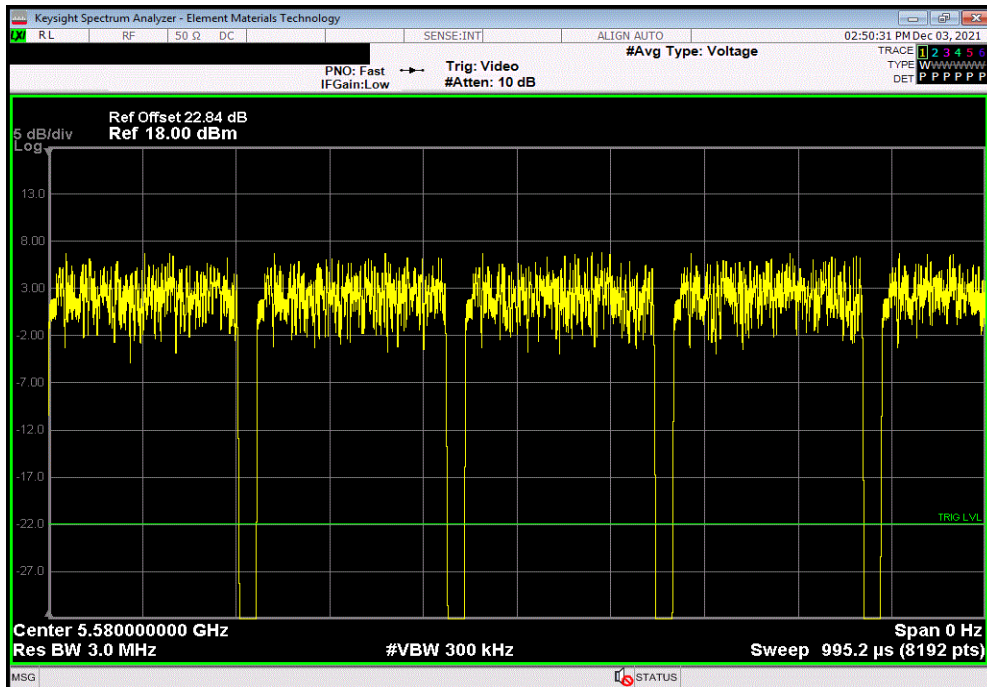


TbTx 2021.10.29.2 XMI 2020.12.30.0

20 MHz, 802.11(ac) MCS8 (256-QAM), Ch 116, Mid Channel 5580 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit	Results	
200.956 us	221.161 us	1	90.9	N/A (N/A)	N/A	



20 MHz, 802.11(ac) MCS8 (256-QAM), Ch 116, Mid Channel 5580 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit	Results	
N/A	N/A	5	N/A	N/A (N/A)	N/A	

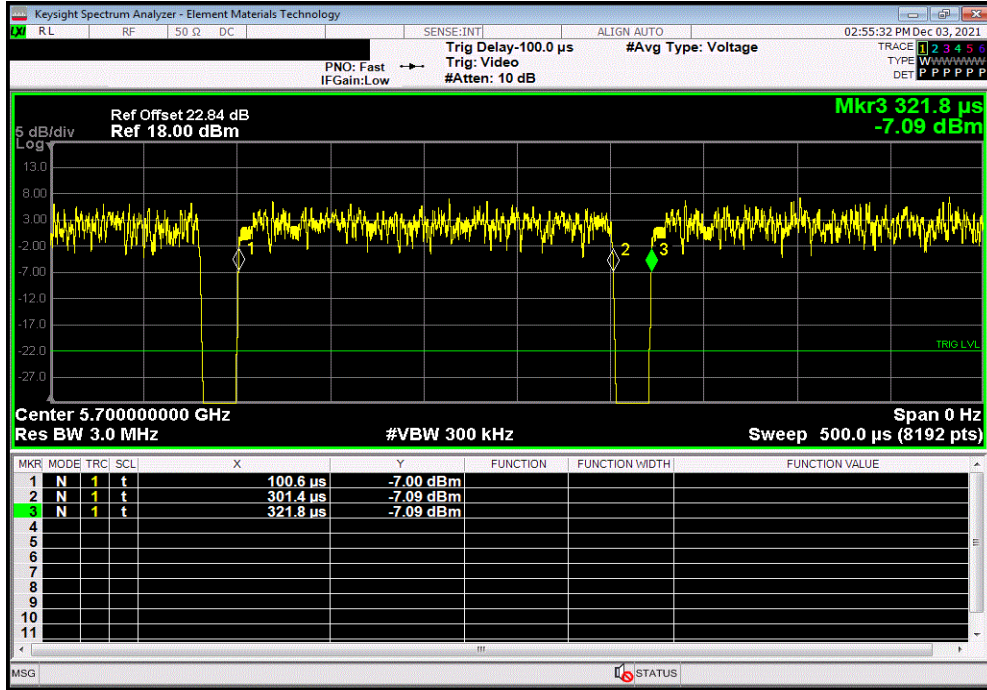


# DUTY CYCLE - 5.6 GHz BAND

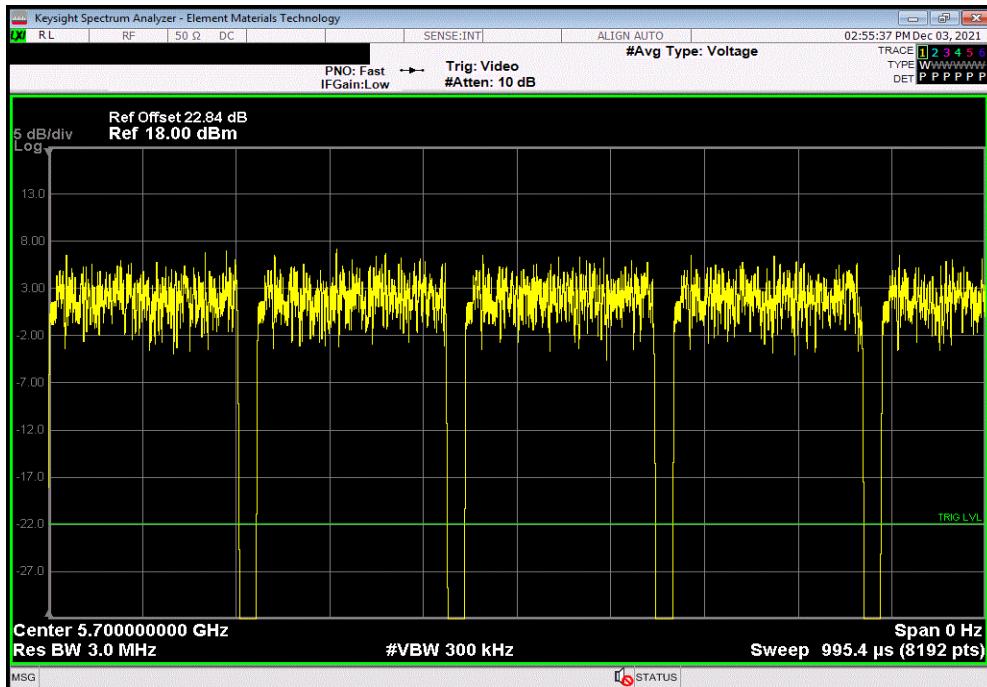


TbTx 2021.10.29.2 XMI 2020.12.30.0

20 MHz, 802.11(ac) MCS8 (256-QAM), Ch 140, High Channel 5700 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit	Results	
200.834 us	221.2 us	1	90.8	N/A (N/A)	N/A	



20 MHz, 802.11(ac) MCS8 (256-QAM), Ch 140, High Channel 5700 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit	Results	
N/A	N/A	5	N/A	N/A (N/A)	N/A	

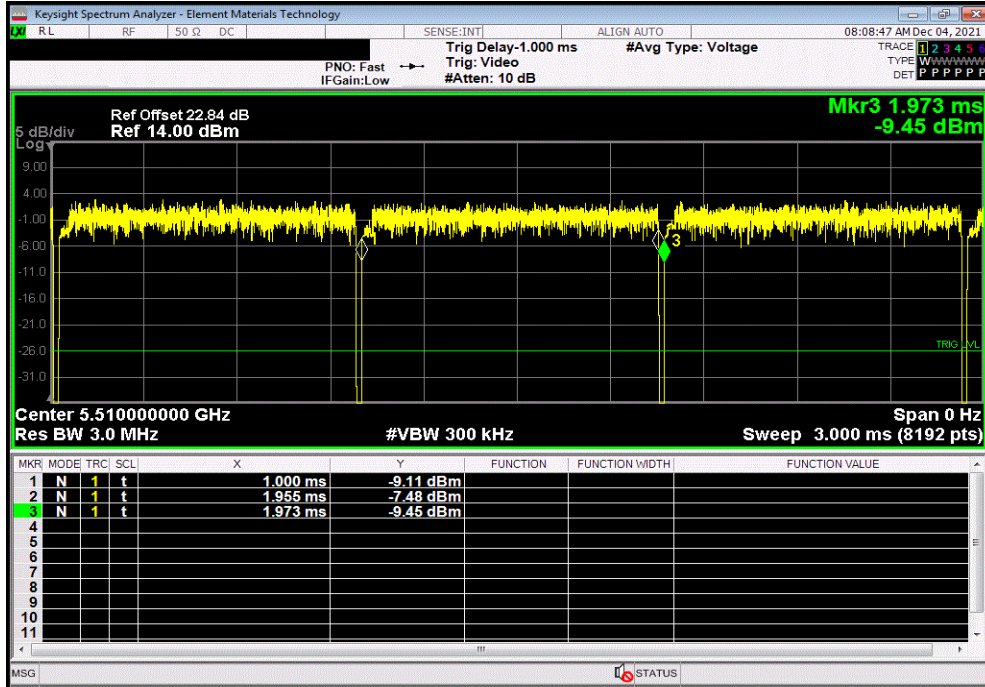


# DUTY CYCLE - 5.6 GHz BAND

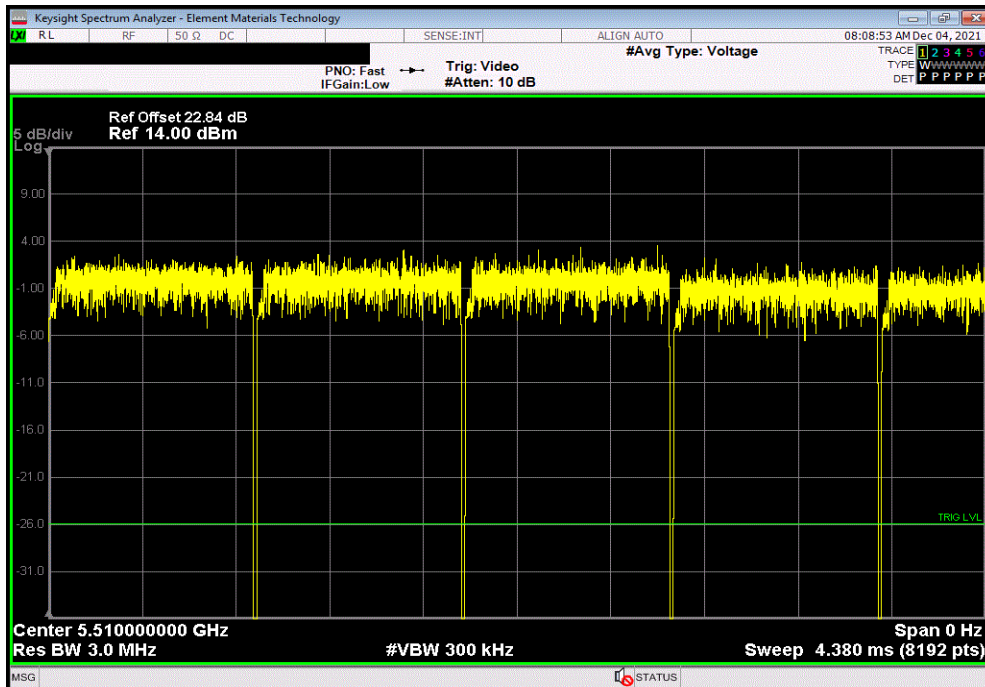


TbTx 2021.10.29.2 XMI 2020.12.30.0

40 MHz, 802.11(n) MCS0, Ch 100/104, Low Channel 5510 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit	Results	
954.33 us	973.26 us	1	98.1	N/A (N/A)	N/A	



40 MHz, 802.11(n) MCS0, Ch 100/104, Low Channel 5510 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit	Results	
N/A	N/A	5	N/A	N/A (N/A)	N/A	

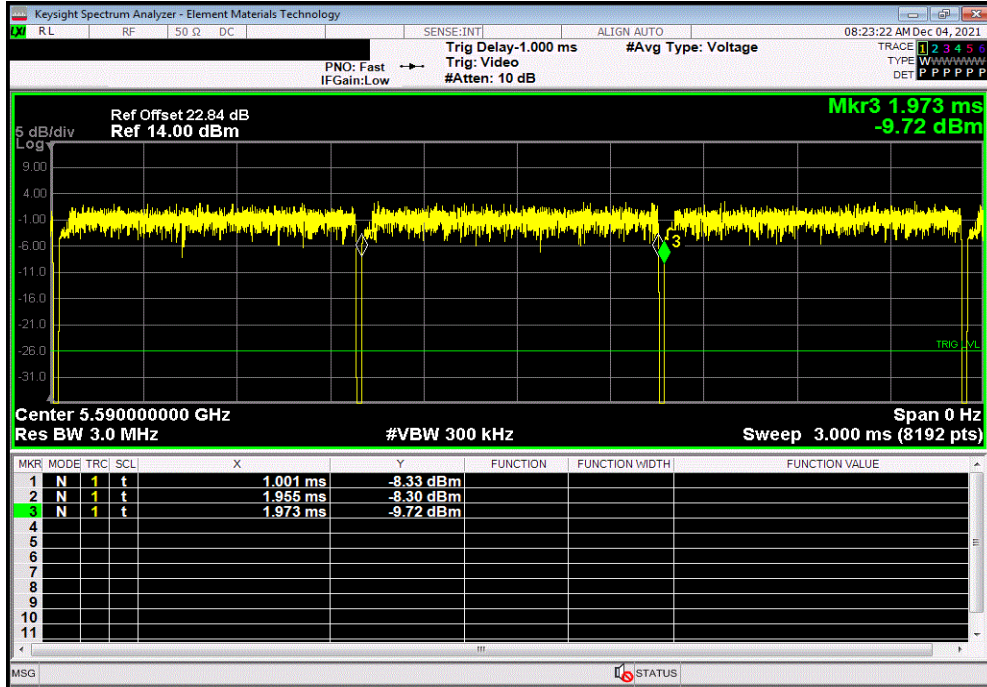


# DUTY CYCLE - 5.6 GHz BAND

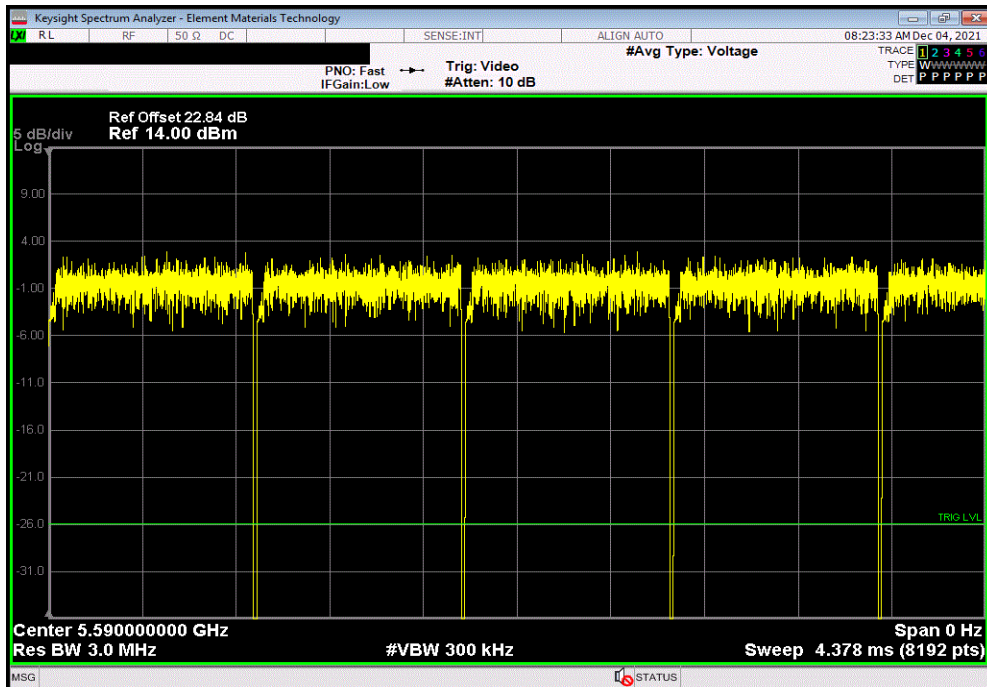


TbTx 2021.10.29.2 XMI 2020.12.30.0

40 MHz, 802.11(n) MCS0, Ch 116/120, Mid Channel 5590 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit	Results	
954.33 us	972.89 us	1	98.1	N/A (N/A)	N/A	



40 MHz, 802.11(n) MCS0, Ch 116/120, Mid Channel 5590 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit	Results	
N/A	N/A	5	N/A	N/A (N/A)	N/A	

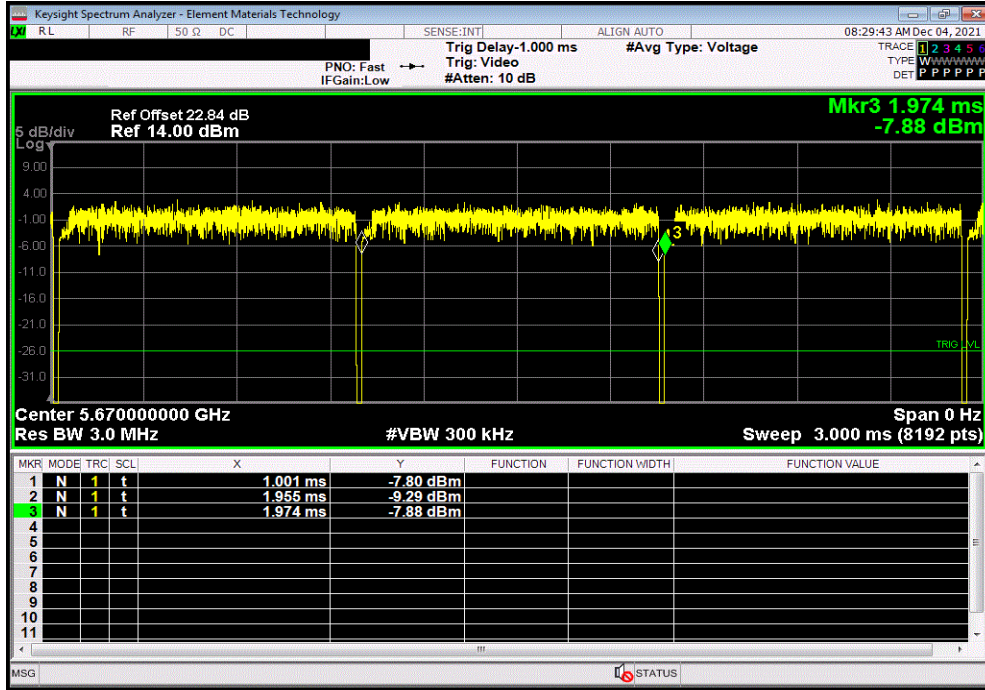


# DUTY CYCLE - 5.6 GHz BAND

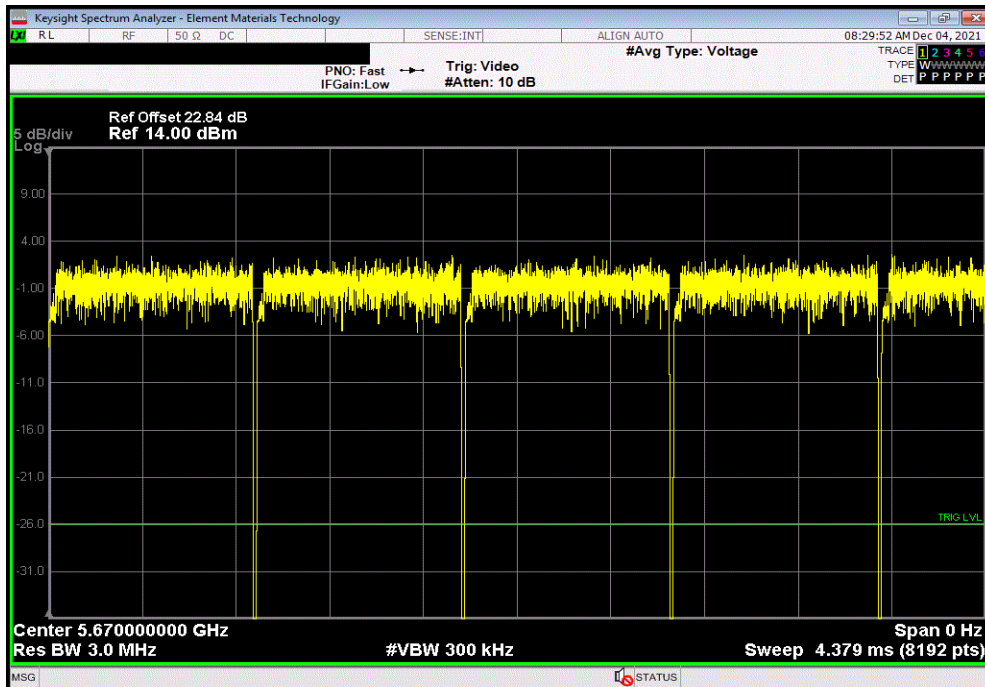


TbTx 2021.10.29.2 XMI 2020.12.30.0

40 MHz, 802.11(n) MCS0, Ch 132/136, High Channel 5670 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit	Results	
954.2 us	973.14 us	1	98.1	N/A (N/A)	N/A	



40 MHz, 802.11(n) MCS0, Ch 132/136, High Channel 5670 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit	Results	
N/A	N/A	5	N/A	N/A (N/A)	N/A	



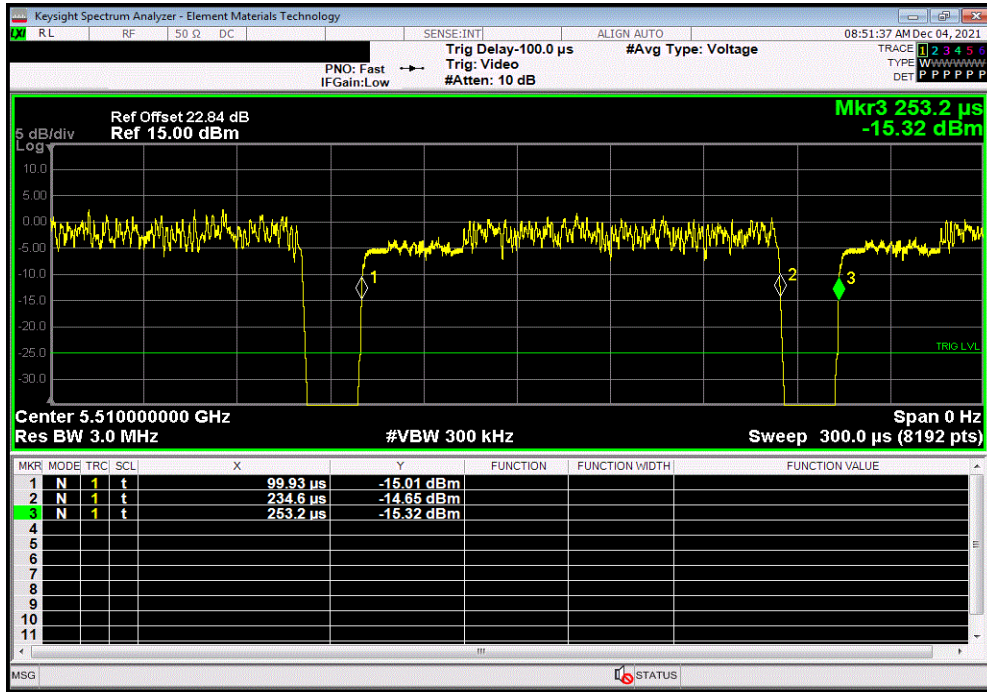


# DUTY CYCLE - 5.6 GHz BAND

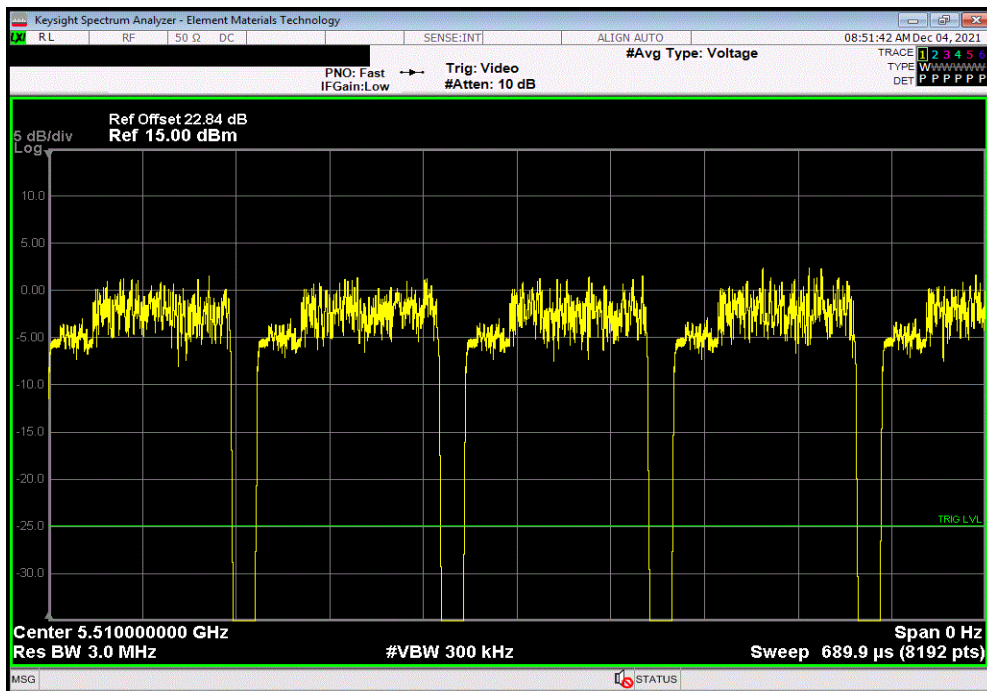


TbTx 2021.10.29.2 XMI 2020.12.30.0

40 MHz, 802.11(n) MCS7, Ch 100/104, Low Channel 5510 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit	Results	
134.646 us	153.32 us	1	87.8	N/A (N/A)	N/A	



40 MHz, 802.11(n) MCS7, Ch 100/104, Low Channel 5510 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit	Results	
N/A	N/A	5	N/A	N/A (N/A)	N/A	

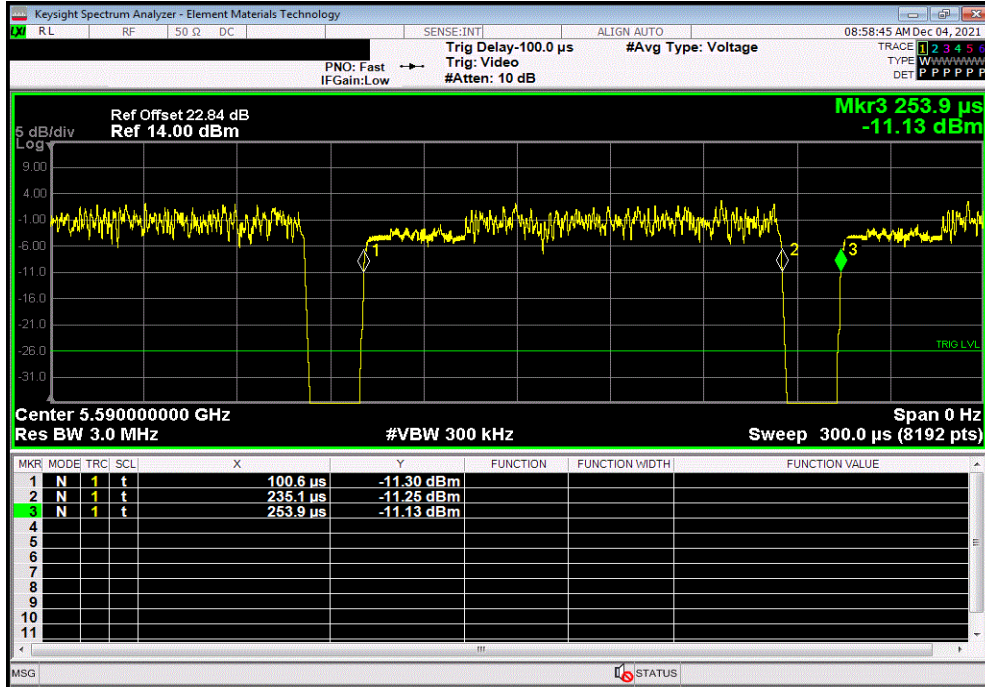


# DUTY CYCLE - 5.6 GHz BAND

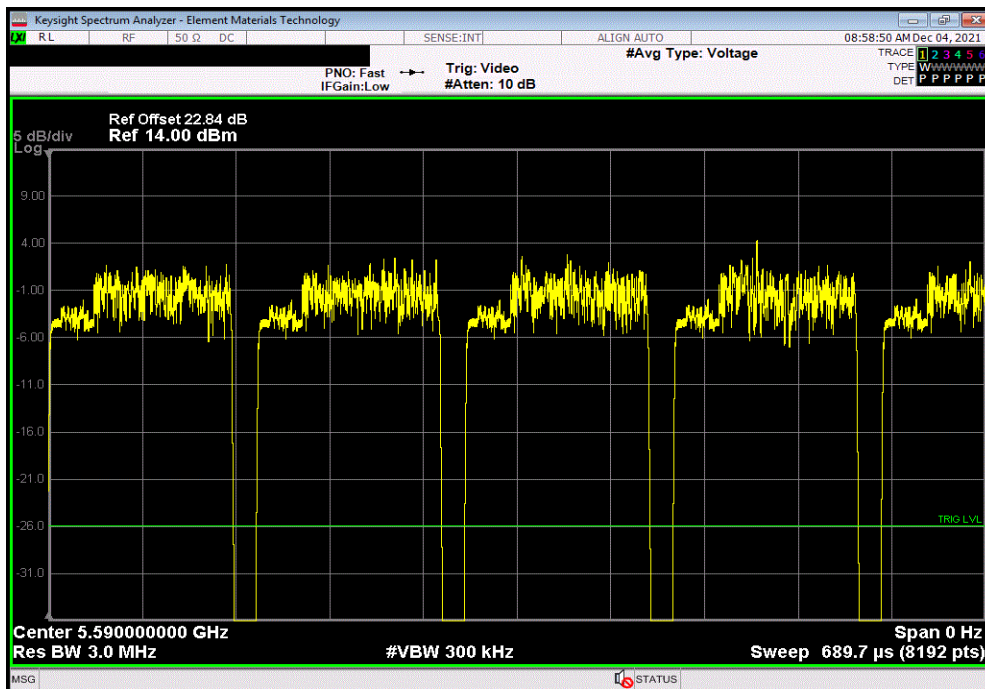


TbTx 2021.10.29.2 XMI 2020.12.30.0

40 MHz, 802.11(n) MCS7, Ch 116/120, Mid Channel 5590 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit	Results	
134.5 us	153.266 us	1	87.8	N/A (N/A)	N/A	



40 MHz, 802.11(n) MCS7, Ch 116/120, Mid Channel 5590 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit	Results	
N/A	N/A	5	N/A	N/A (N/A)	N/A	

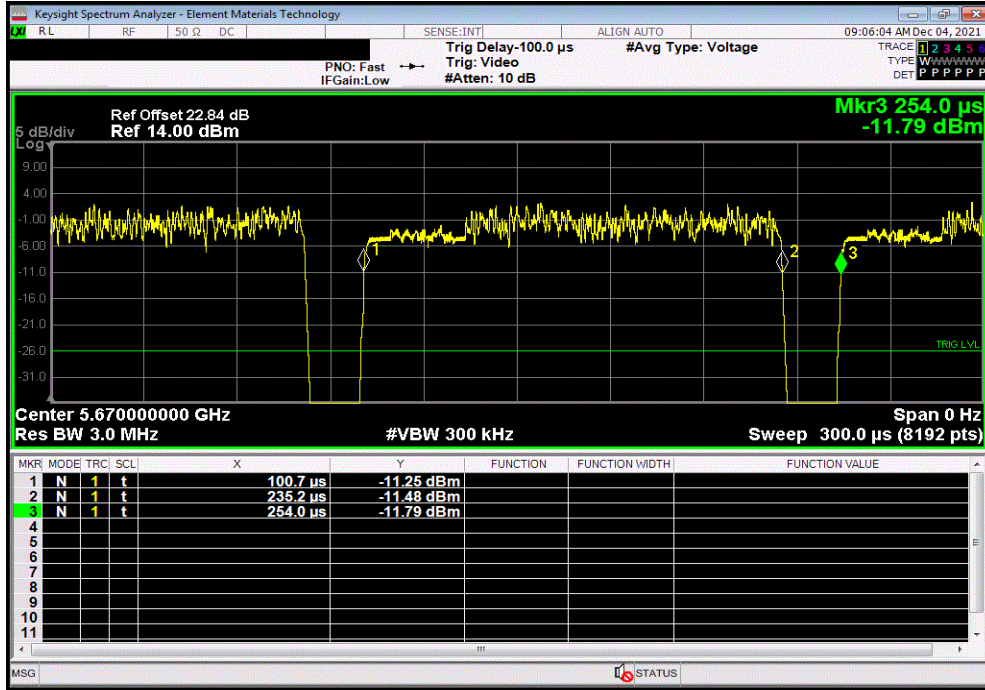


# DUTY CYCLE - 5.6 GHz BAND

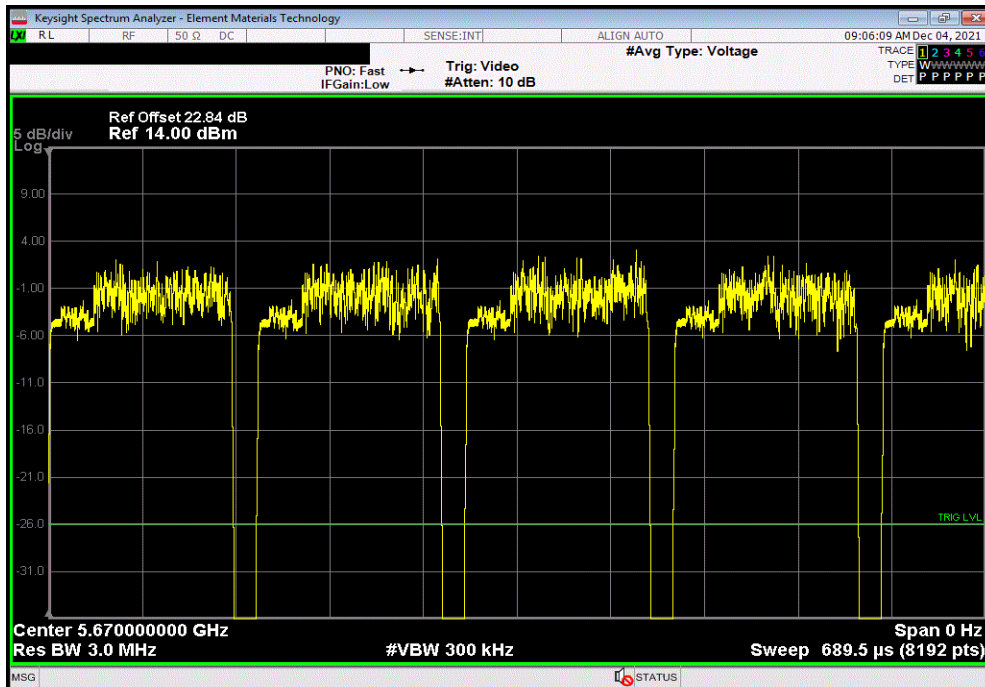


TbTx 2021.10.29.2 XMI 2020.12.30.0

40 MHz, 802.11(n) MCS7, Ch 132/136, High Channel 5670 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit	Results	
134.443 us	153.229 us	1	87.7	N/A (N/A)	N/A	



40 MHz, 802.11(n) MCS7, Ch 132/136, High Channel 5670 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit	Results	
N/A	N/A	5	N/A	N/A (N/A)	N/A	

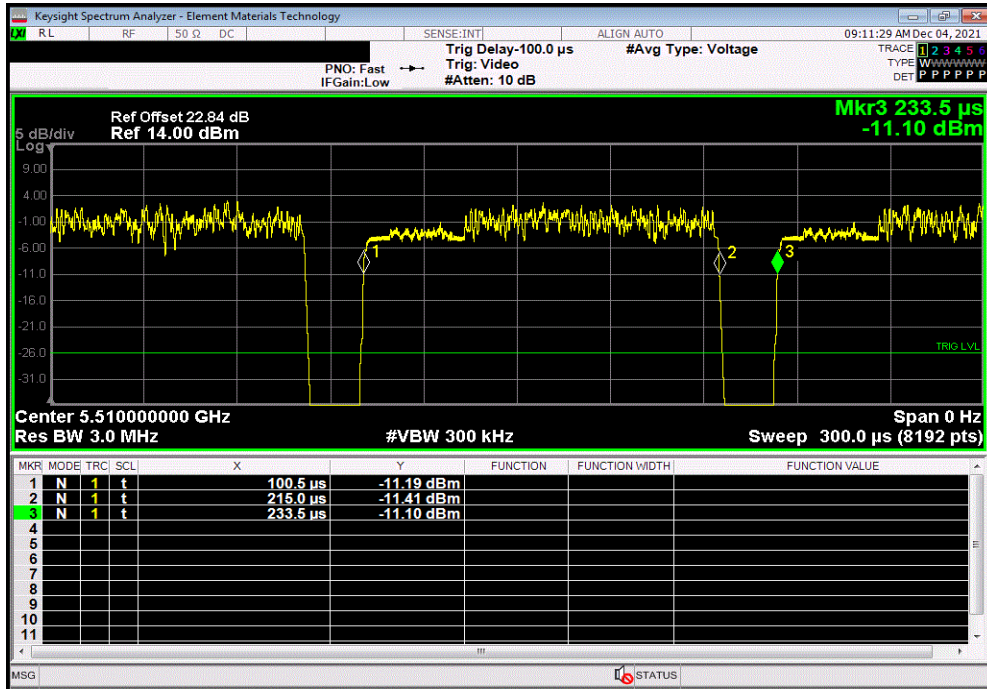


# DUTY CYCLE - 5.6 GHz BAND

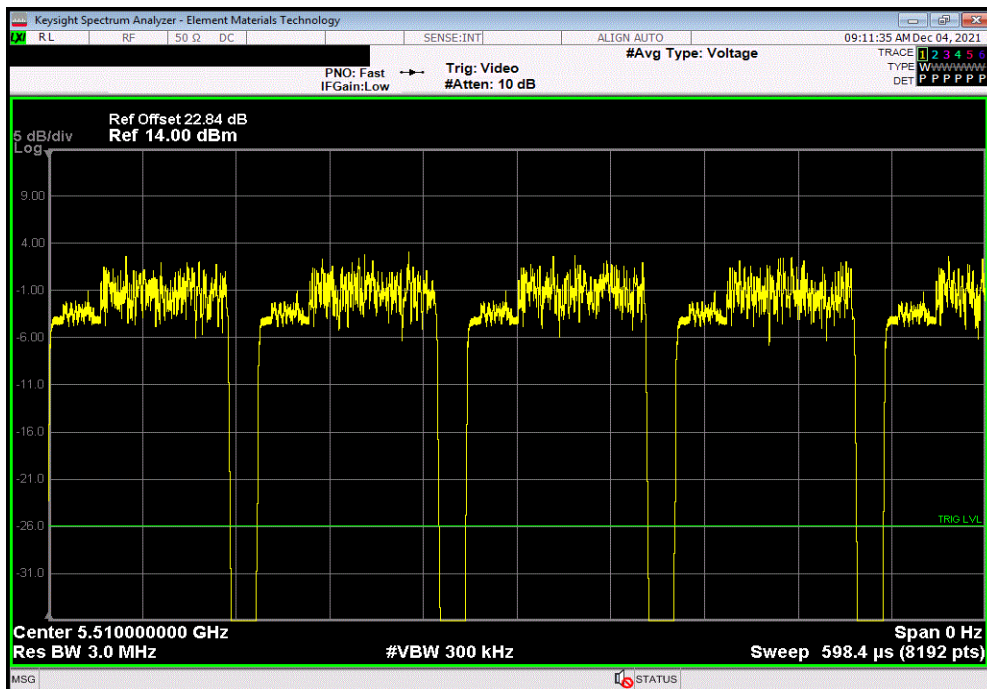


TbTx 2021.10.29.2 XMt 2020.12.30.0

40 MHz, 802.11(ac) MCS9 (256-QAM), Ch 100/104, Low Channel 5510 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit	Results	
114.47 us	132.98 us	1	86.1	N/A (N/A)	N/A	



40 MHz, 802.11(ac) MCS9 (256-QAM), Ch 100/104, Low Channel 5510 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit	Results	
N/A	N/A	5	N/A	N/A (N/A)	N/A	

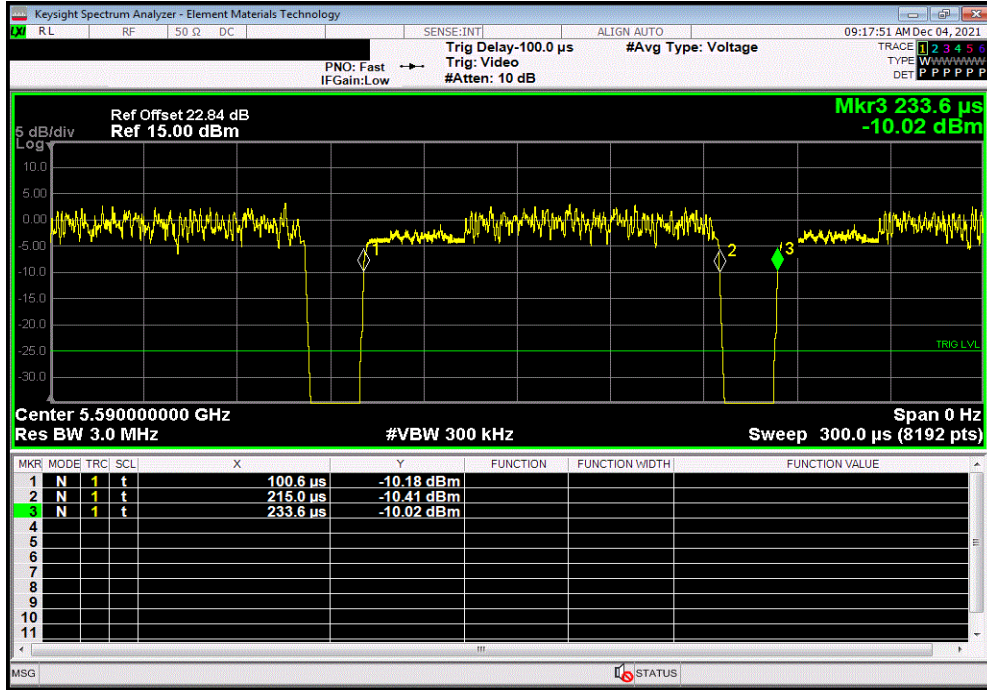


# DUTY CYCLE - 5.6 GHz BAND

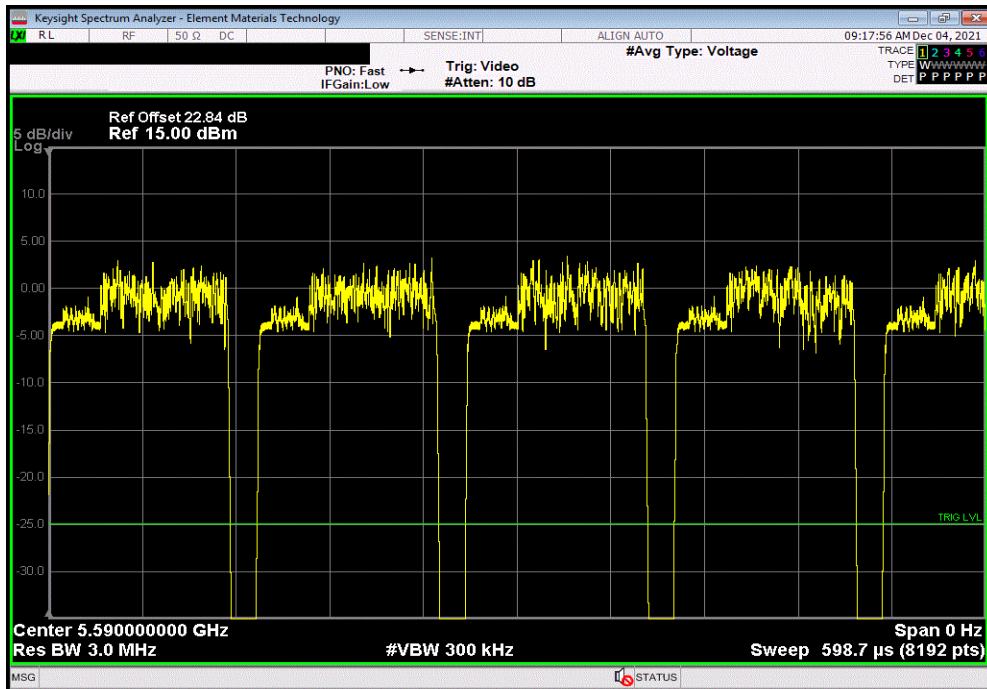


Tel: 2021.10.29.2 XMt 2020.12.30.0

40 MHz, 802.11(ac) MCS9 (256-QAM), Ch 116/120, Mid Channel 5590 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit	Results	
114.417 us	133.037 us	1	86	N/A (N/A)	N/A	



40 MHz, 802.11(ac) MCS9 (256-QAM), Ch 116/120, Mid Channel 5590 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit	Results	
N/A	N/A	5	N/A	N/A (N/A)	N/A	

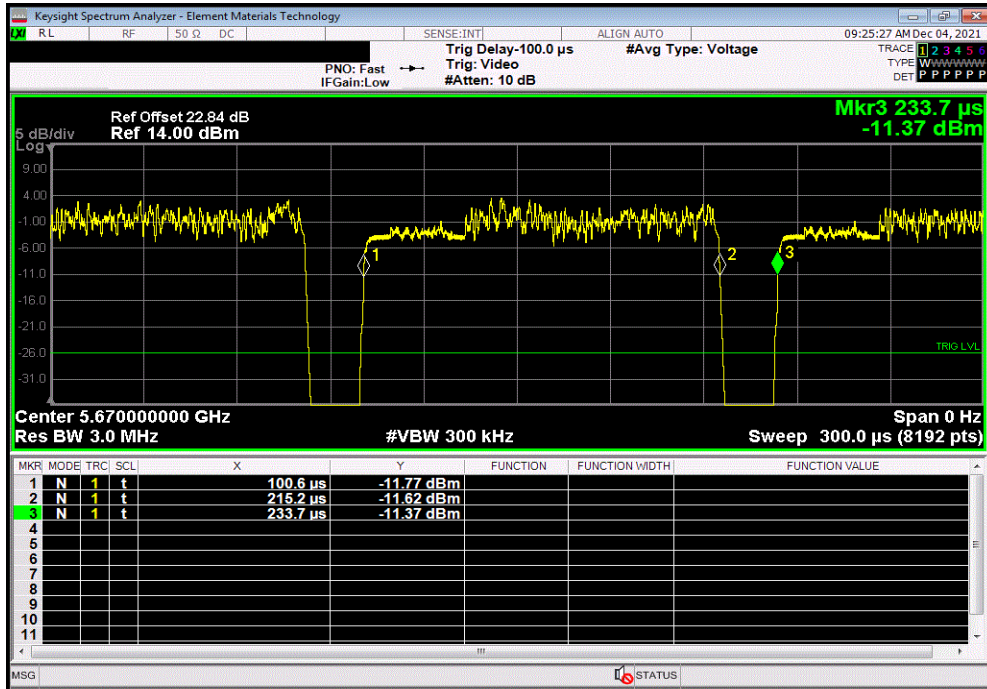


# DUTY CYCLE - 5.6 GHz BAND

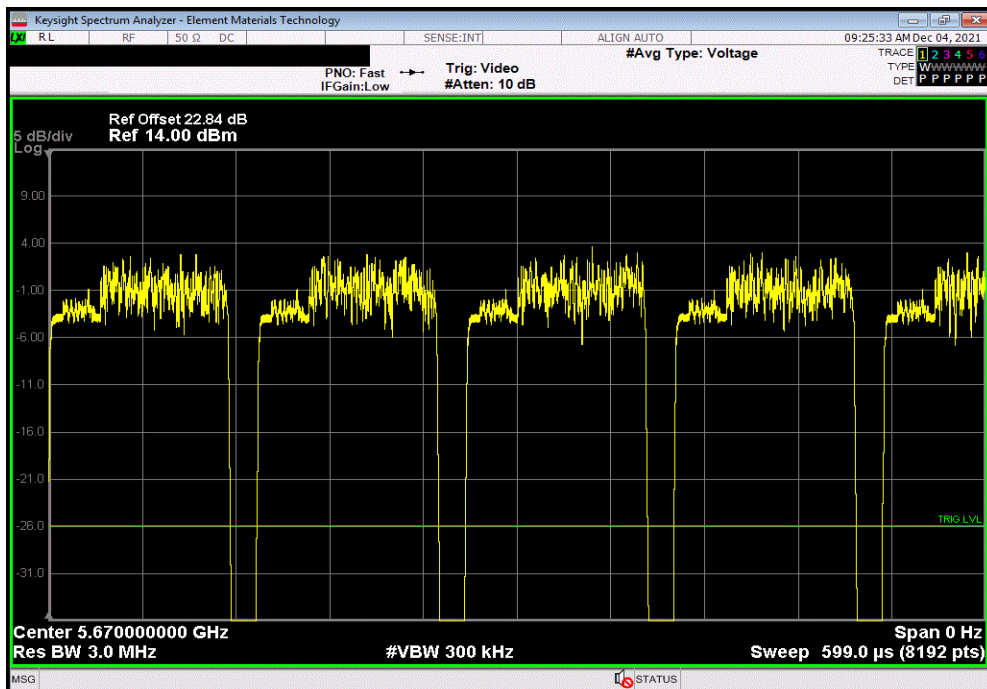


TbTx 2021.10.29.2 XMI 2020.12.30.0

40 MHz, 802.11(ac) MCS9 (256-QAM), Ch 132/136, High Channel 5670 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit	Results	
114.563 us	133.11 us	1	86.1	N/A (N/A)	N/A	



40 MHz, 802.11(ac) MCS9 (256-QAM), Ch 132/136, High Channel 5670 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit	Results	
N/A	N/A	5	N/A	N/A (N/A)	N/A	

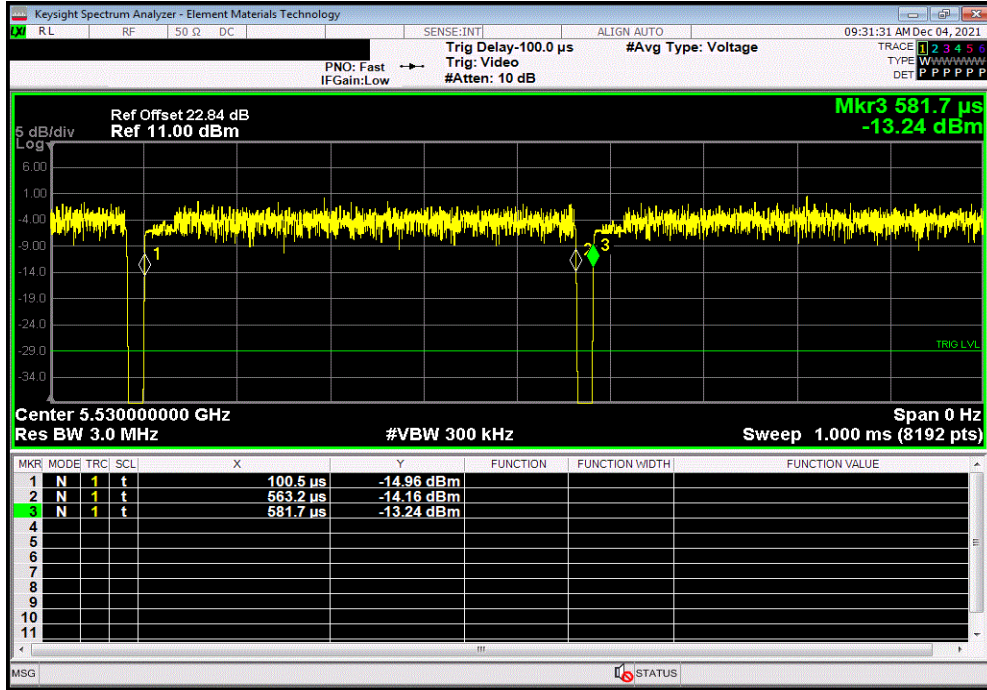


# DUTY CYCLE - 5.6 GHz BAND

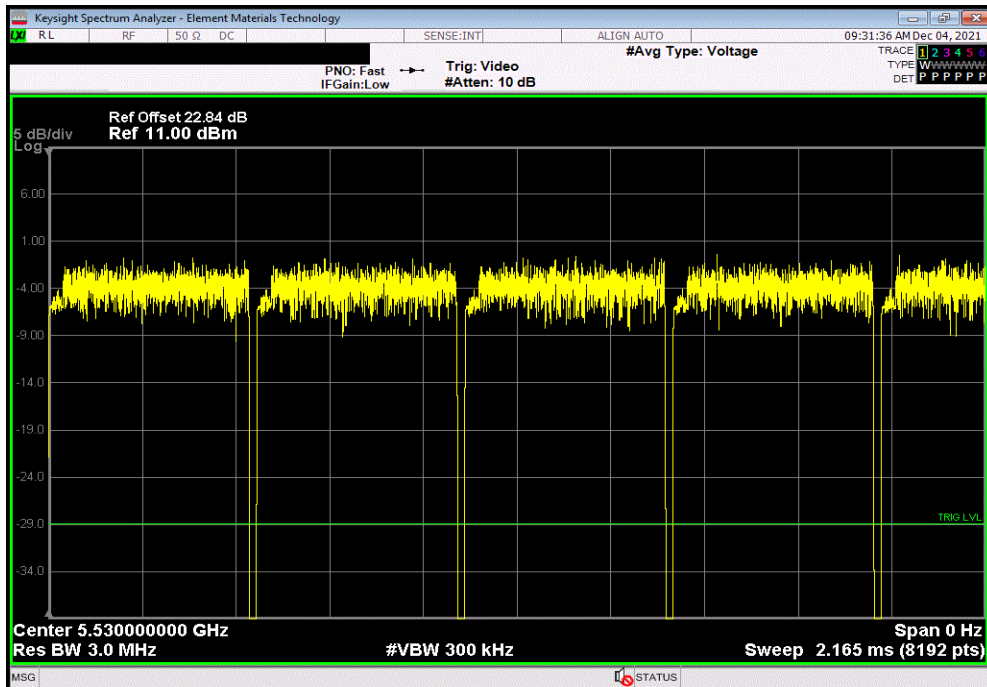


TbTx 2021.10.29.2 XMI 2020.12.30.0

80 MHz, 802.11(ac) MCS0, Ch 100-112, Low Channel 5530 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit	Results	
462.678 us	481.222 us	1	96.1	N/A (N/A)	N/A	



80 MHz, 802.11(ac) MCS0, Ch 100-112, Low Channel 5530 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit	Results	
N/A	N/A	5	N/A	N/A (N/A)	N/A	

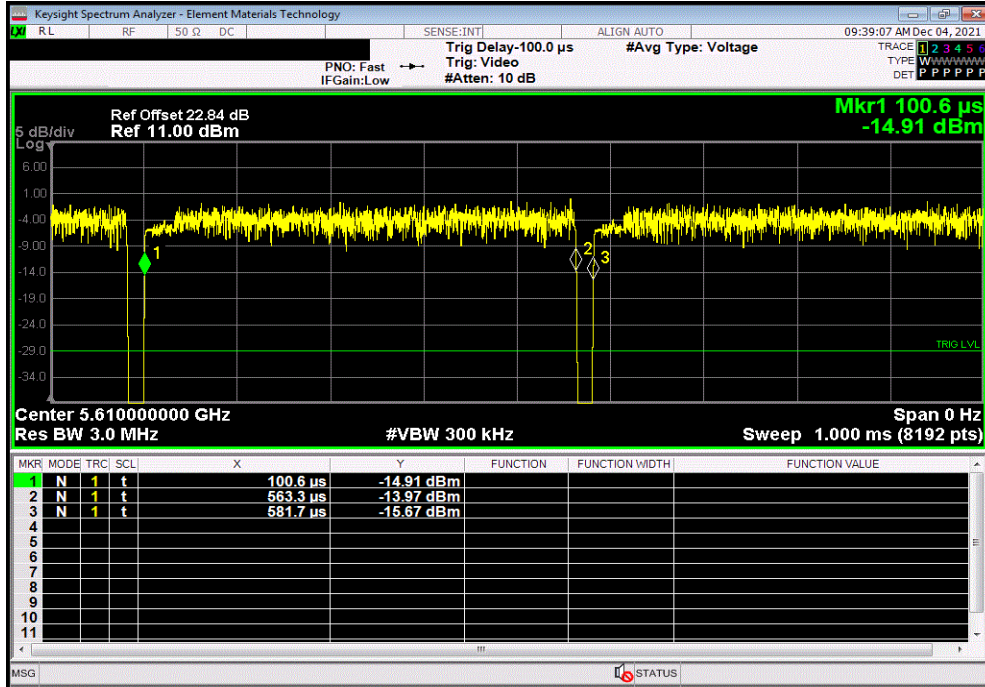


# DUTY CYCLE - 5.6 GHZ BAND

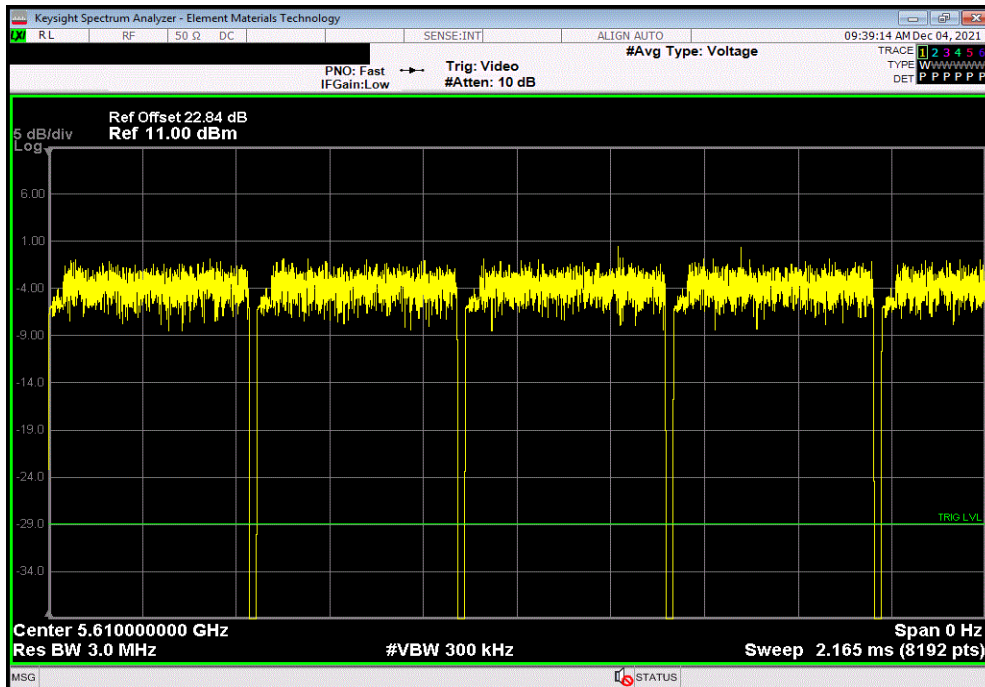


TbTx 2021.10.29.2 XMI 2020.12.30.0

80 MHz, 802.11(ac) MCS0, Ch 116-128, High Channel 5610 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit	Results	
462.656 us	481.1 us	1	96.2	N/A (N/A)	N/A	



80 MHz, 802.11(ac) MCS0, Ch 116-128, High Channel 5610 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit	Results	
N/A	N/A	5	N/A	N/A (N/A)	N/A	



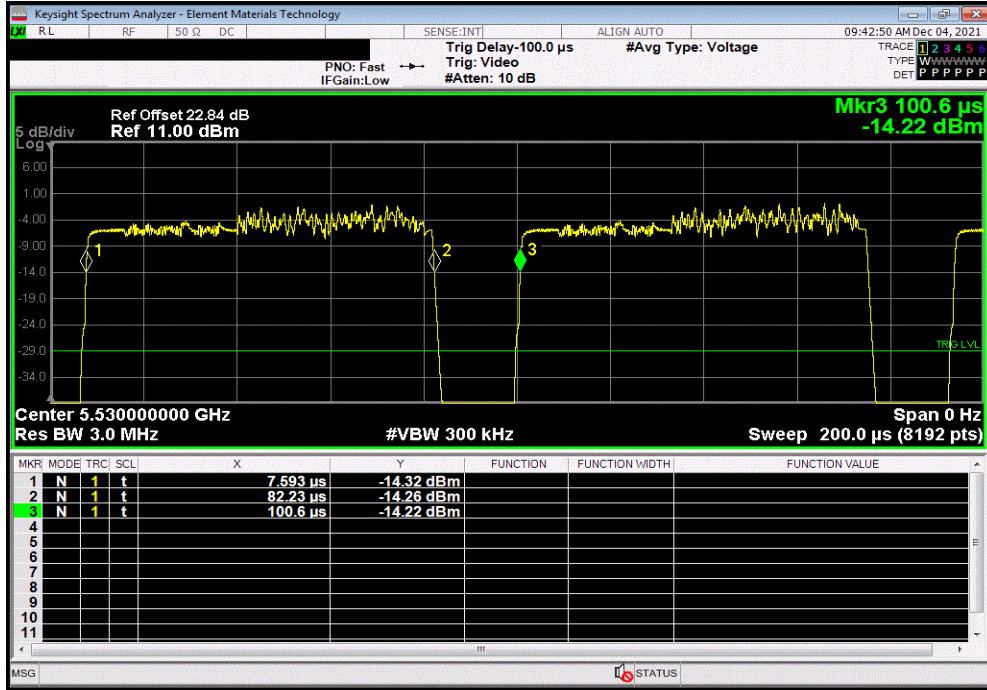


# DUTY CYCLE - 5.6 GHz BAND

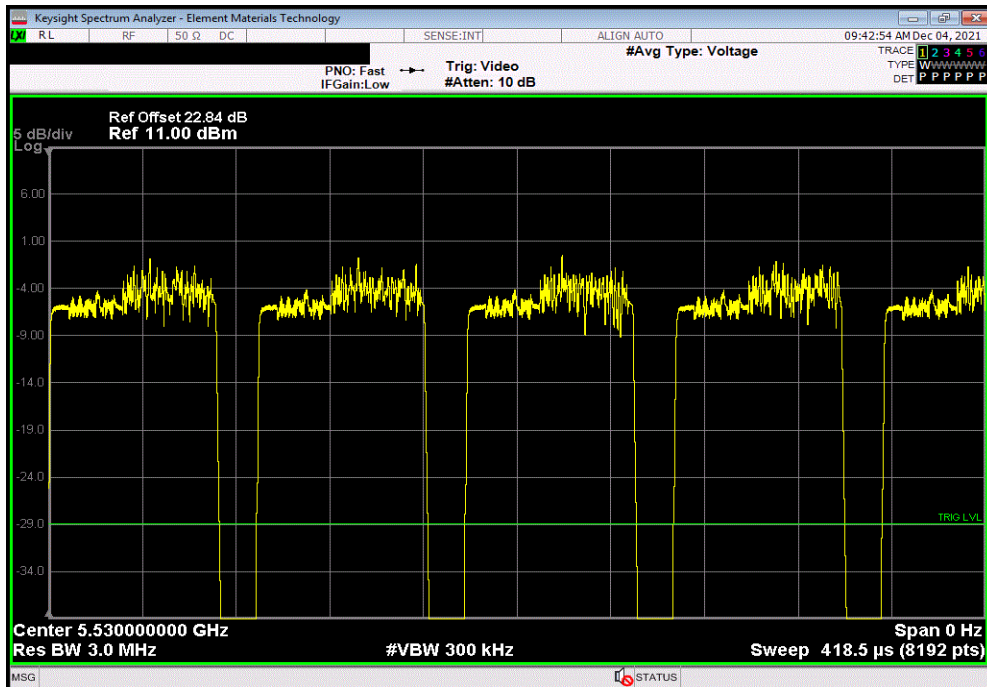


TbTx 2021.10.29.2 XMI 2020.12.30.0

80 MHz, 802.11(ac) MCS9 (256-QAM), Ch 100-112, Low Channel 5530 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit	Results	
74.634 us	93.005 us	1	80.2	N/A (N/A)	N/A	



80 MHz, 802.11(ac) MCS9 (256-QAM), Ch 100-112, Low Channel 5530 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit	Results	
N/A	N/A	5	N/A	N/A (N/A)	N/A	

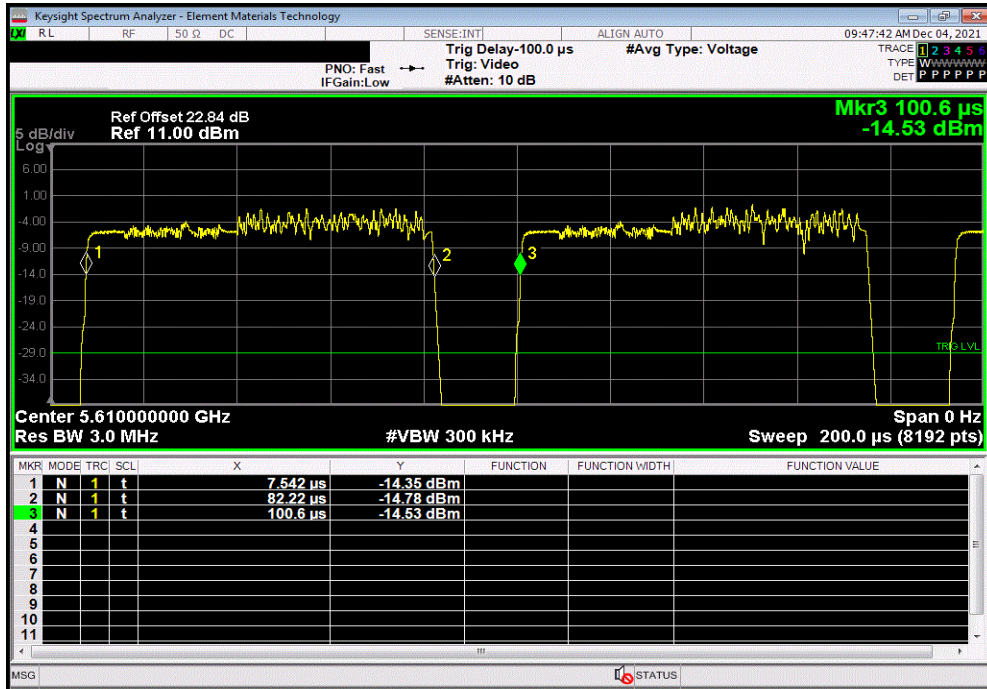


# DUTY CYCLE - 5.6 GHz BAND



TbTx 2021.10.29.2 XMI 2020.12.30.0

80 MHz, 802.11(ac) MCS9 (256-QAM), Ch 116-128, High Channel 5610 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit	Results	
74.683 us	93.102 us	1	80.2	N/A (N/A)	N/A	



80 MHz, 802.11(ac) MCS9 (256-QAM), Ch 116-128, High Channel 5610 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit	Results	
N/A	N/A	5	N/A	N/A (N/A)	N/A	

