



# EMISSION BANDWIDTH - 5.3 GHz BAND

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 measurement was made using a direct connection between the RF output of the EUT and a spectrum analyzer.

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

Per ANSI C63.10:2013, Clause 12.4.1, the spectrum analyzer settings were as follows:

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

The spectrum analyzer occupied bandwidth measurement function was then used to measure the 26 dB emission bandwidth. The 99% bandwidth was also reported.

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

# EMISSION BANDWIDTH - 5.3 GHz BAND



TelTx 2021.10.29.2 XMt 2020.12.30.0

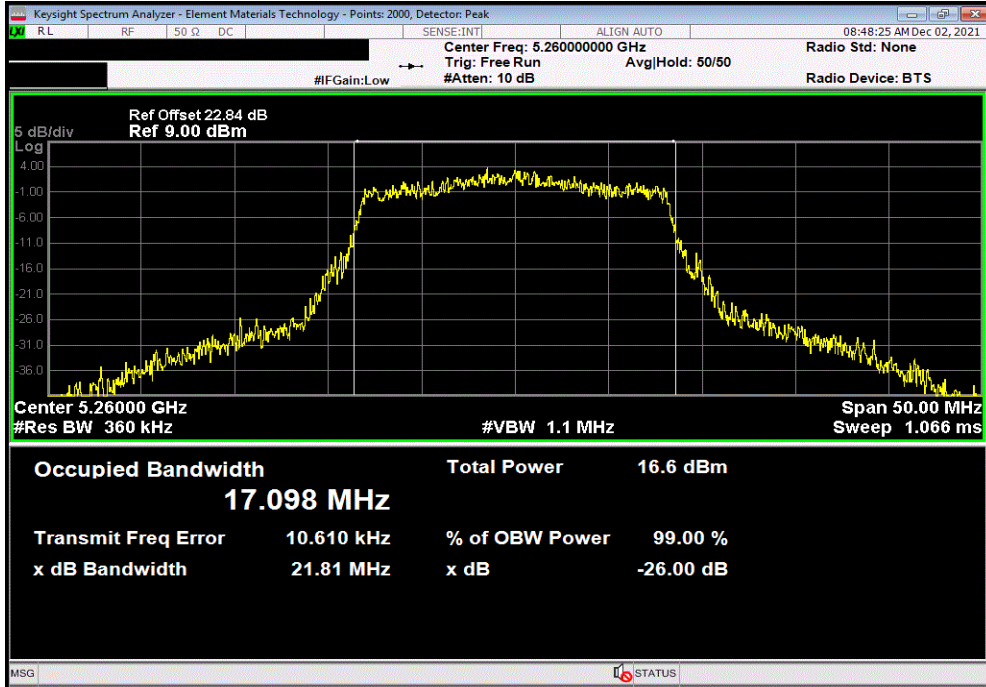
EUT: A-dec Gateway		Work Order: A-DE0169	
Serial Number: 521A000118		Date: 3-Dec-21	
Customer: A-dec, Inc.		Temperature: 20.1 °C	
Attendees: None		Humidity: 39.7% RH	
Project: None		Barometric Pres.: 1027 mbar	
Tested by: Jeff Alcock		Power: 24 VDC via 110VAC/60Hz	
		Job Site: EV06	
TEST SPECIFICATIONS		Test Method	
FCC 15.407:2021		ANSI C63.10:2013	
COMMENTS			
Reference level offset includes: DC block, 20 dB attenuator, and measurement cable.			
DEVIATIONS FROM TEST STANDARD			
None			
Configuration #	3	Signature	
		Value (%)	Value (dB)
		Limit	Result
20 MHz			
802.11(a) 6 Mbps			
Ch 52, Low Channel 5260 MHz		17.098 MHz	21.814 MHz
Ch 60, Mid Channel 5300 MHz		17.13 MHz	22.144 MHz
Ch 64, High Channel 5320 MHz		17.163 MHz	22.66 MHz
Ch 52, Low Channel 5260 MHz		16.8 MHz	21.579 MHz
Ch 60, Mid Channel 5300 MHz		16.845 MHz	21.681 MHz
Ch 64, High Channel 5320 MHz		16.902 MHz	21.526 MHz
802.11(a) 36 Mbps			
Ch 52, Low Channel 5260 MHz		16.782 MHz	21.498 MHz
Ch 60, Mid Channel 5300 MHz		16.764 MHz	21.605 MHz
Ch 64, High Channel 5320 MHz		16.786 MHz	22.088 MHz
802.11(a) 54 Mbps			
Ch 52, Low Channel 5260 MHz		18.06 MHz	21.998 MHz
Ch 60, Mid Channel 5300 MHz		18.116 MHz	22.555 MHz
Ch 64, High Channel 5320 MHz		18.04 MHz	22.074 MHz
802.11(n) MCS0			
Ch 52, Low Channel 5260 MHz		17.911 MHz	21.232 MHz
Ch 60, Mid Channel 5300 MHz		17.948 MHz	21.836 MHz
Ch 64, High Channel 5320 MHz		17.972 MHz	21.755 MHz
802.11(n) MCS7			
Ch 52, Low Channel 5260 MHz		17.881 MHz	21.361 MHz
Ch 60, Mid Channel 5300 MHz		17.93 MHz	21.651 MHz
Ch 64, High Channel 5320 MHz		17.93 MHz	21.377 MHz
802.11(ac) MCS8 (256-QAM)			
Ch 52, Low Channel 5260 MHz		36.311 MHz	39.253 MHz
Ch 60/64, High Channel 5310 MHz		36.182 MHz	39.801 MHz
40 MHz			
802.11(n) MCS0			
Ch 52/56, Low Channel 5270 MHz		36.238 MHz	39.858 MHz
Ch 60/64, High Channel 5310 MHz		36.3 MHz	40.154 MHz
802.11(n) MCS7			
Ch 52/56, Low Channel 5270 MHz		36.31 MHz	39.934 MHz
Ch 60/64, High Channel 5310 MHz		36.179 MHz	39.7 MHz
802.11(ac) MCS9 (256-QAM)			
Ch 52/56, Low Channel 5270 MHz		75.451 MHz	81.73 MHz
Ch 60/64, High Channel 5310 MHz		75.628 MHz	81.38 MHz
80 MHz			
802.11(ac) MCS0			
Ch 52-64, Low Channel 5290 MHz			
802.11(ac) MCS9 (256-QAM)			
Ch 52-64, Low Channel 5290 MHz			

# EMISSION BANDWIDTH - 5.3 GHz BAND

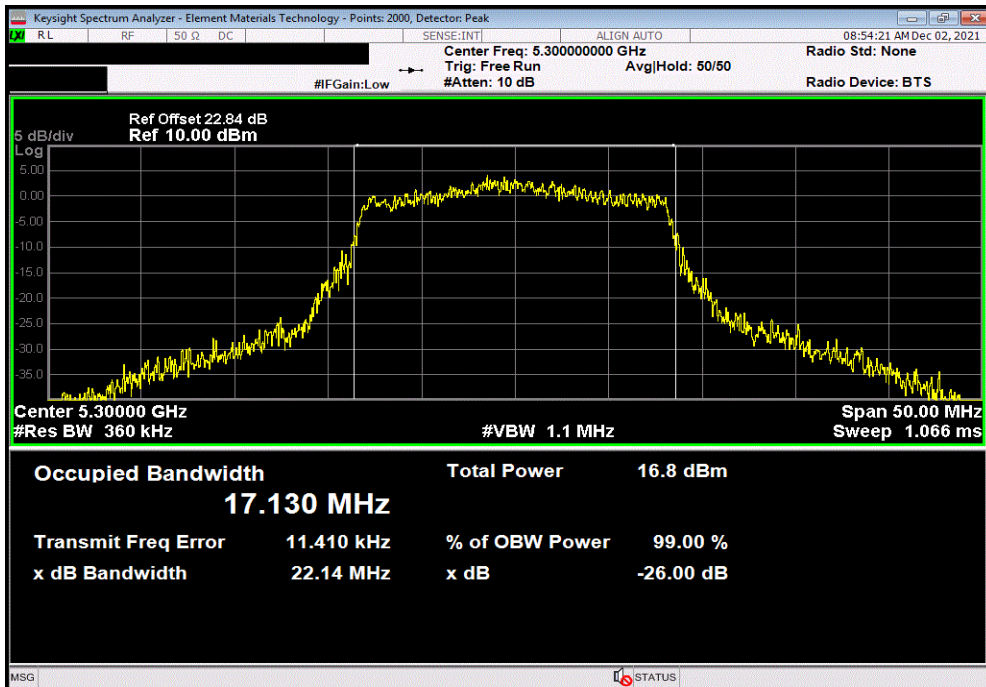


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20 MHz, 802.11(a) 6 Mbps, Ch 52, Low Channel 5260 MHz						
			Value (%)	Value (dB)	Limit	Result
			17.098 MHz	21.814 MHz	N/A	N/A



20 MHz, 802.11(a) 6 Mbps, Ch 60, Mid Channel 5300 MHz						
			Value (%)	Value (dB)	Limit	Result
			17.13 MHz	22.144 MHz	N/A	N/A

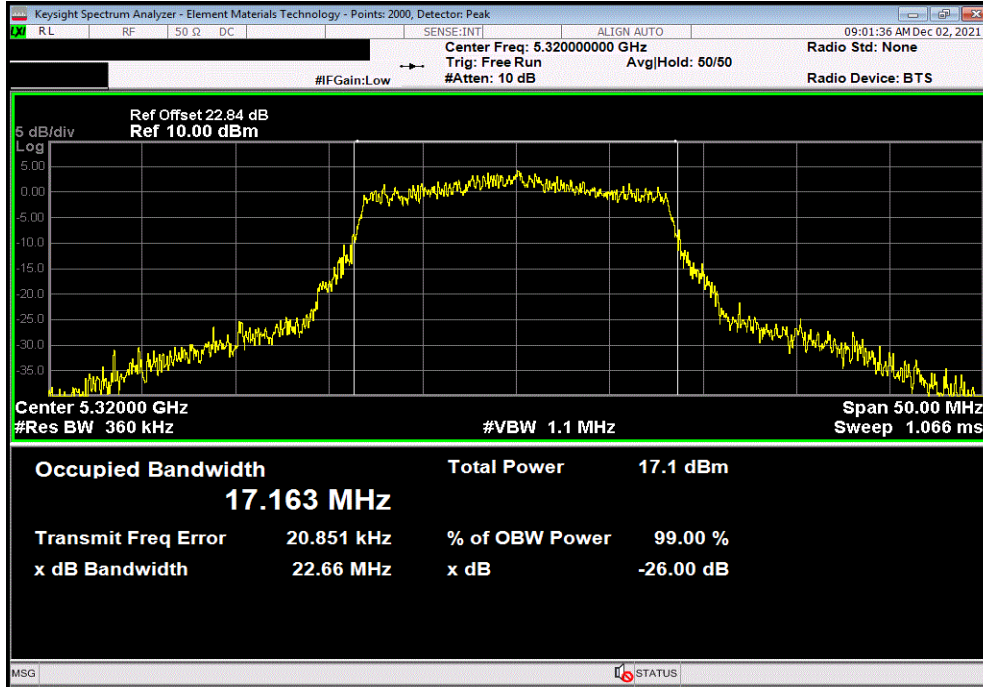


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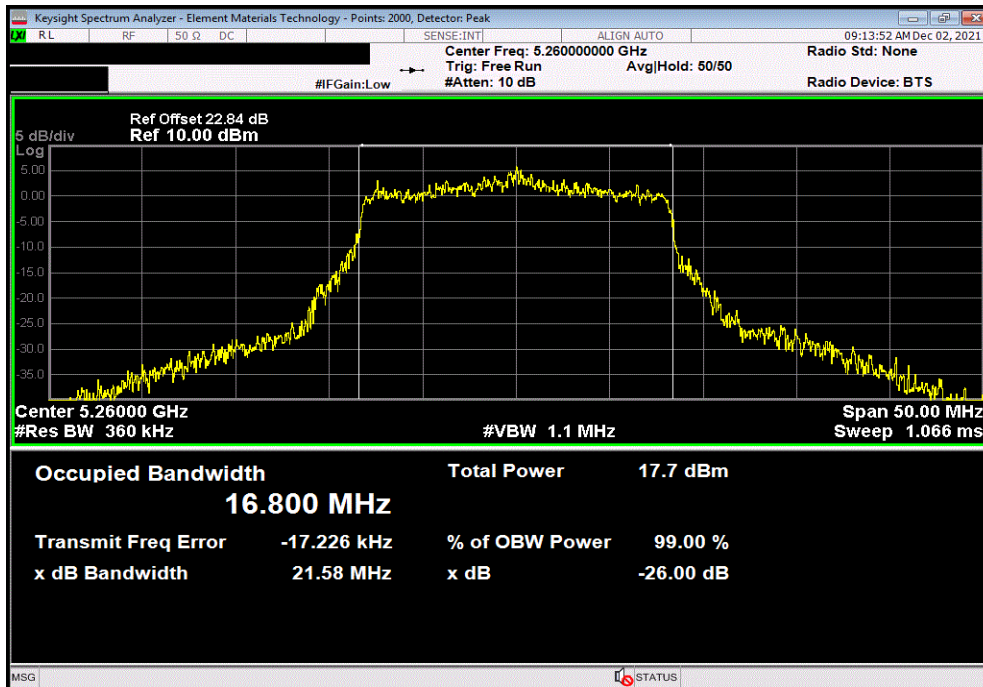


TuTx 2021.10.29.2 XMt 2020.12.30.0

20 MHz, 802.11(a) 6 Mbps, Ch 64, High Channel 5320 MHz						
			Value (%)	Value (dB)	Limit	Result
			17.163 MHz	22.66 MHz	N/A	N/A



20 MHz, 802.11(a) 36 Mbps, Ch 52, Low Channel 5260 MHz						
			Value (%)	Value (dB)	Limit	Result
			16.8 MHz	21.579 MHz	N/A	N/A

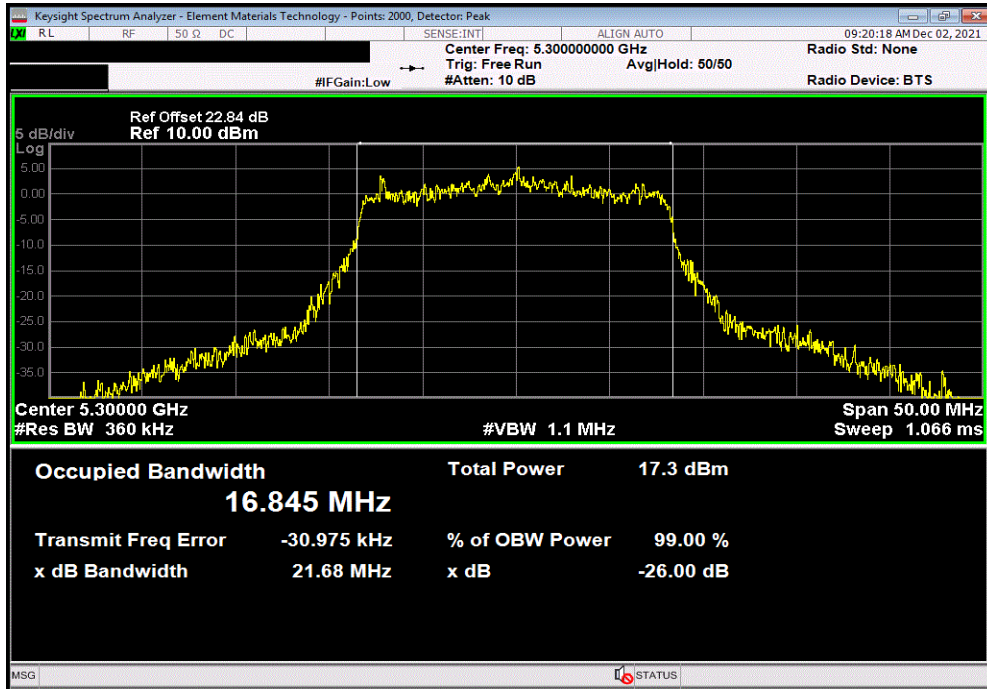


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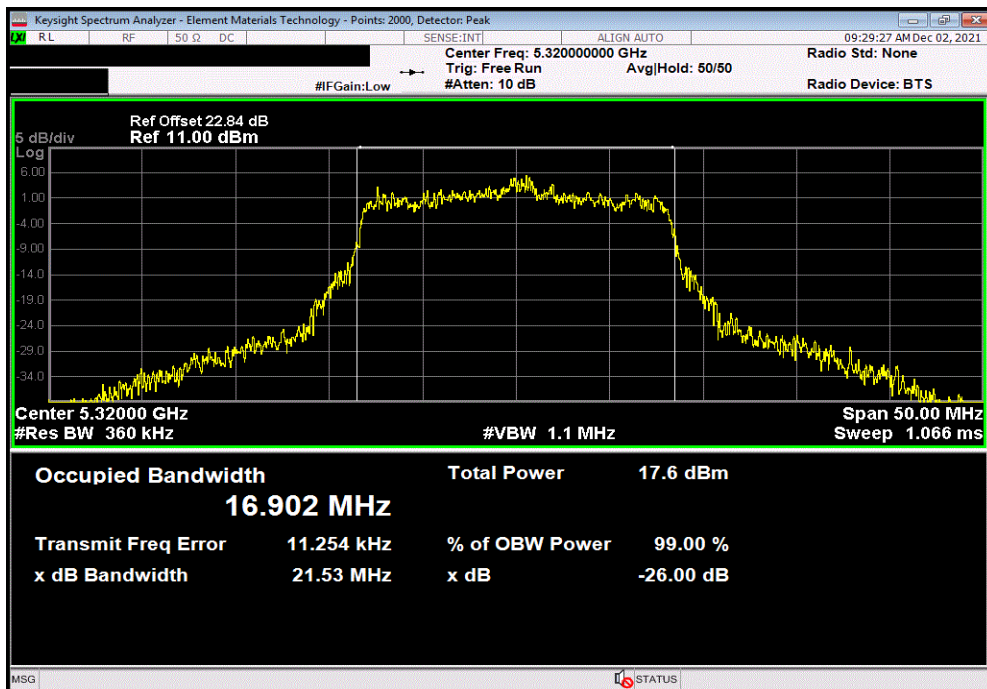


TuTx 2021.10.29.2 XMt 2020.12.30.0

20 MHz, 802.11(a) 36 Mbps, Ch 60, Mid Channel 5300 MHz						
			Value (%)	Value (dB)	Limit	Result
			16.845 MHz	21.681 MHz	N/A	N/A



20 MHz, 802.11(a) 36 Mbps, Ch 64, High Channel 5320 MHz						
			Value (%)	Value (dB)	Limit	Result
			16.902 MHz	21.526 MHz	N/A	N/A

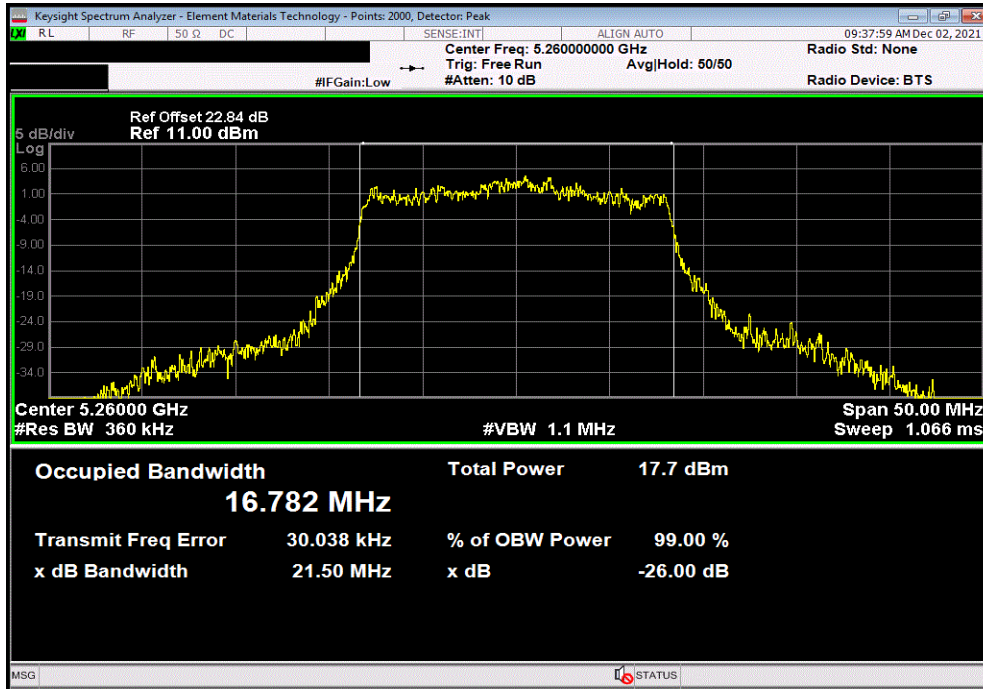


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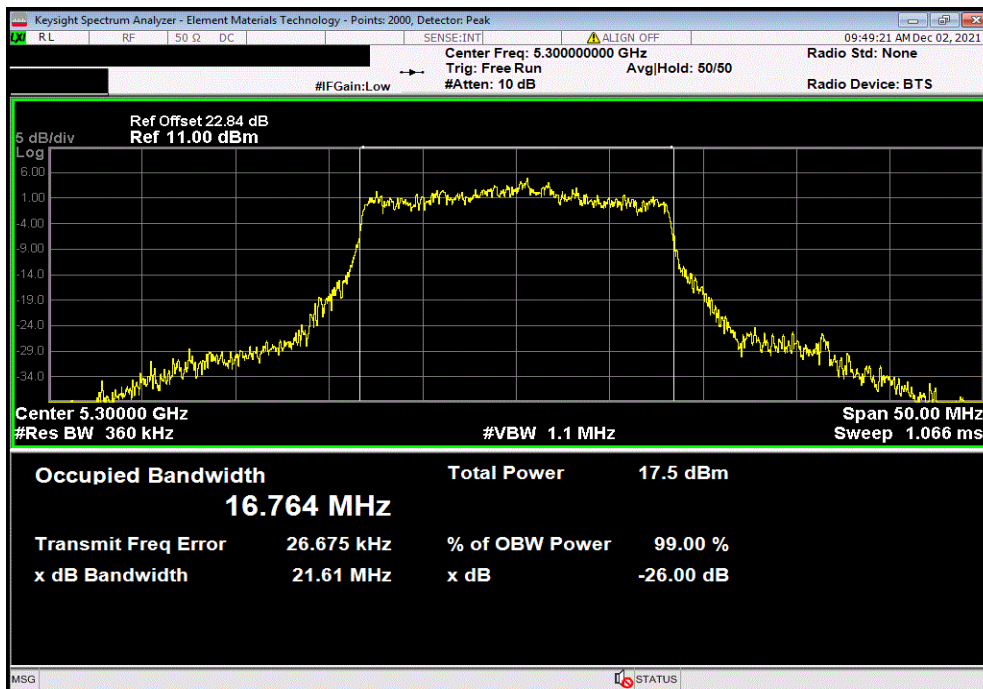


TuTx 2021.10.29.2 XMt 2020.12.30.0

20 MHz, 802.11(a) 54 Mbps, Ch 52, Low Channel 5260 MHz						
	Value (%)	Value (dB)	Limit	Result		
	16.782 MHz	21.498 MHz	N/A	N/A		



20 MHz, 802.11(a) 54 Mbps, Ch 60, Mid Channel 5300 MHz						
	Value (%)	Value (dB)	Limit	Result		
	16.764 MHz	21.605 MHz	N/A	N/A		

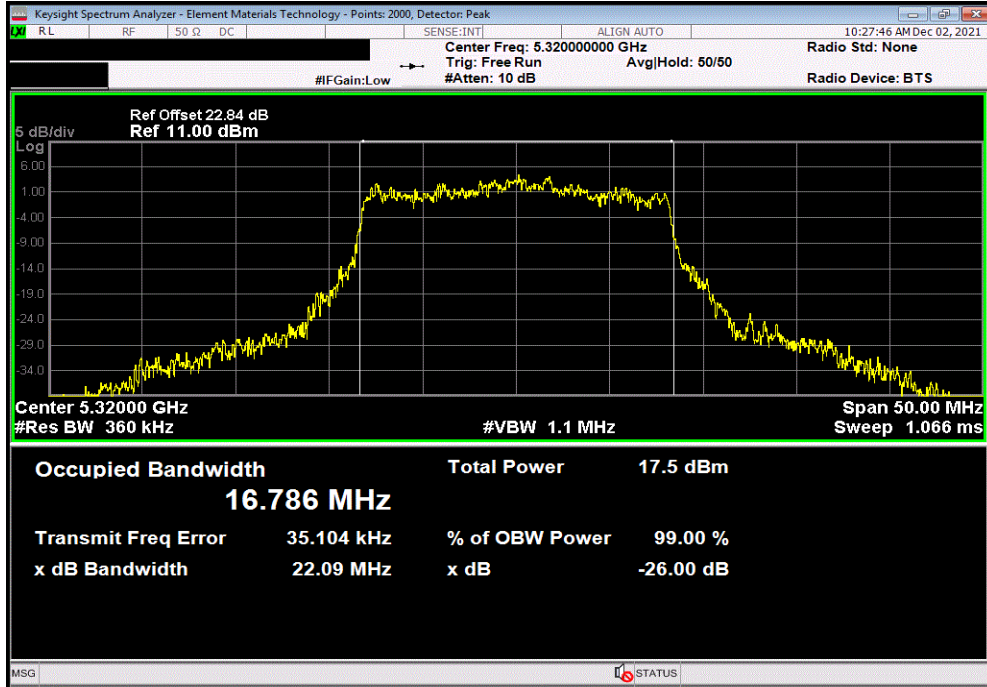


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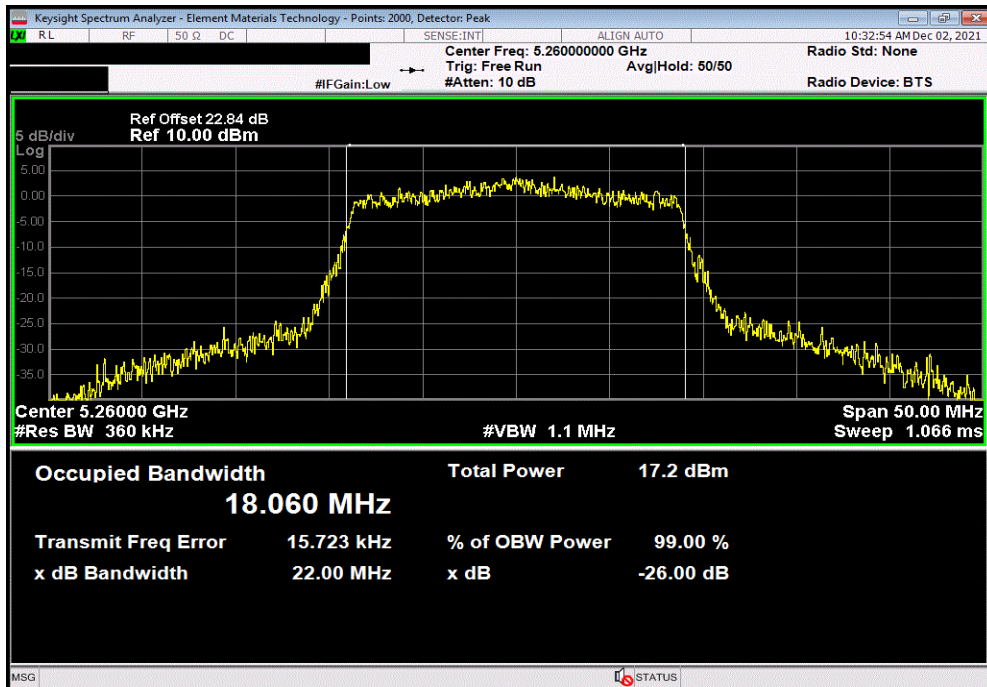


TuTx 2021.10.29.2 XMt 2020.12.30.0

20 MHz, 802.11(a) 54 Mbps, Ch 64, High Channel 5320 MHz						
			Value (%)	Value (dB)	Limit	Result
			16.786 MHz	22.088 MHz	N/A	N/A



20 MHz, 802.11(n) MCS0, Ch 52, Low Channel 5260 MHz						
			Value (%)	Value (dB)	Limit	Result
			18.06 MHz	21.998 MHz	N/A	N/A

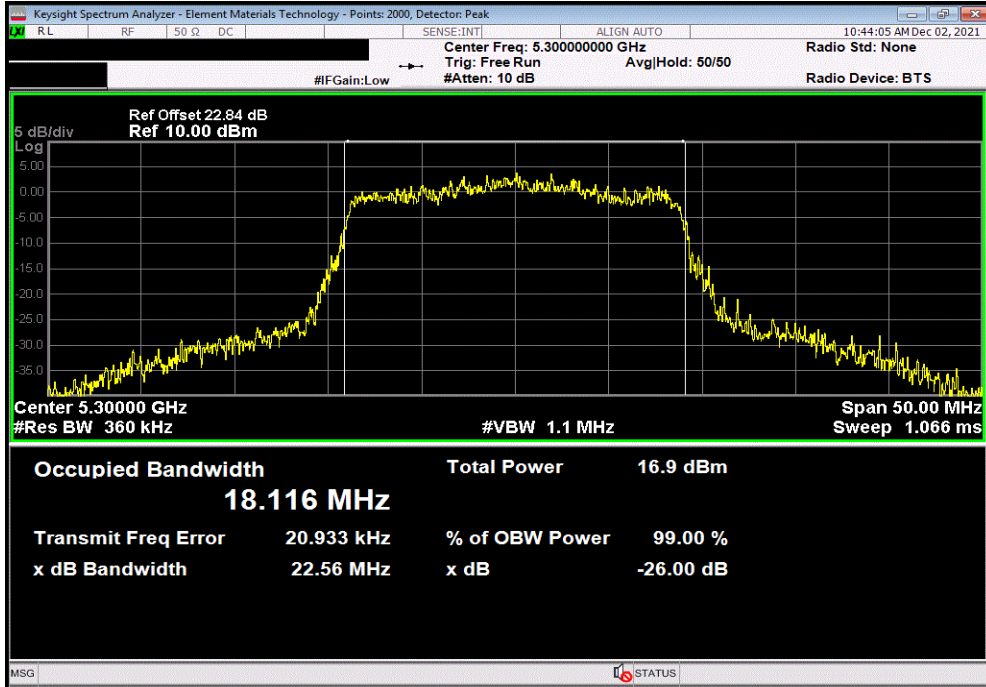


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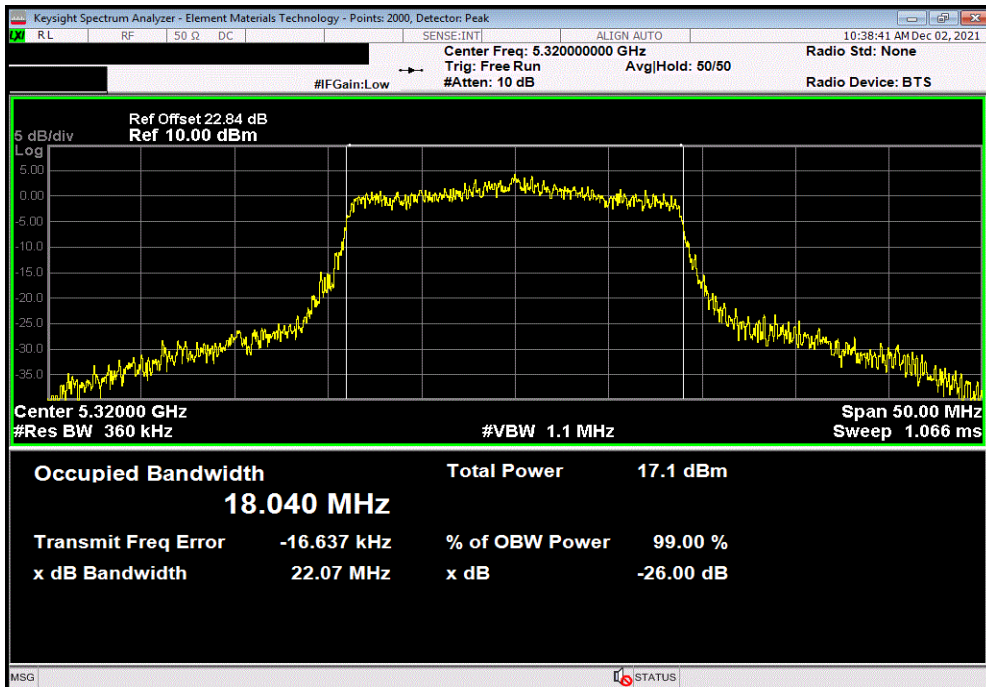


TuTx 2021.10.29.2 XMt 2020.12.30.0

20 MHz, 802.11(n) MCS0, Ch 60, Mid Channel 5300 MHz						
			Value (%)	Value (dB)	Limit	Result
			18.116 MHz	22.555 MHz	N/A	N/A



20 MHz, 802.11(n) MCS0, Ch 64, High Channel 5320 MHz						
			Value (%)	Value (dB)	Limit	Result
			18.04 MHz	22.074 MHz	N/A	N/A



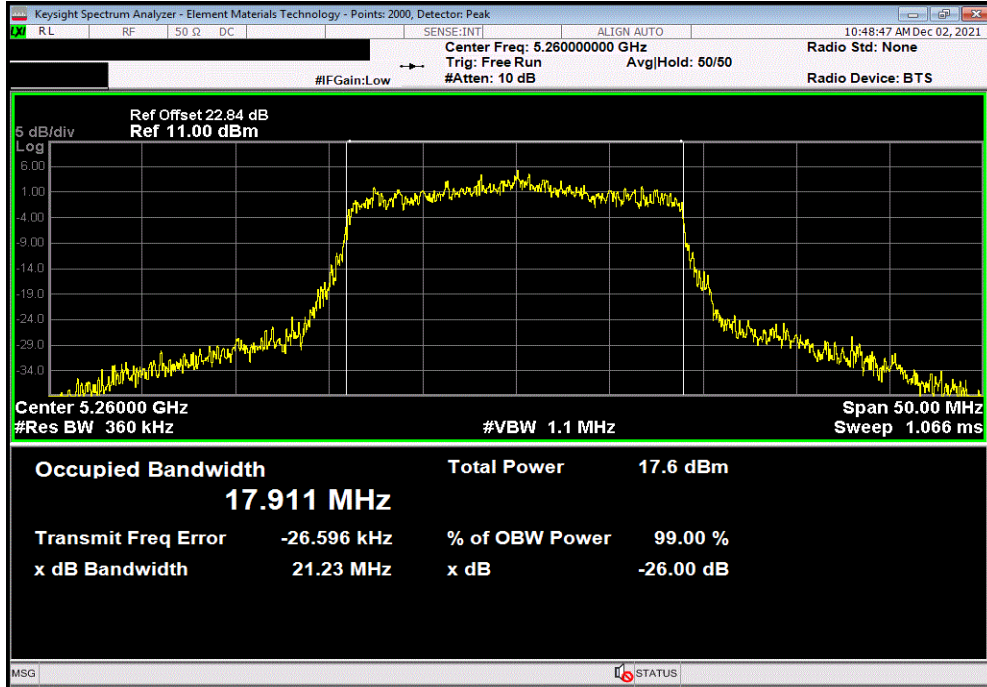


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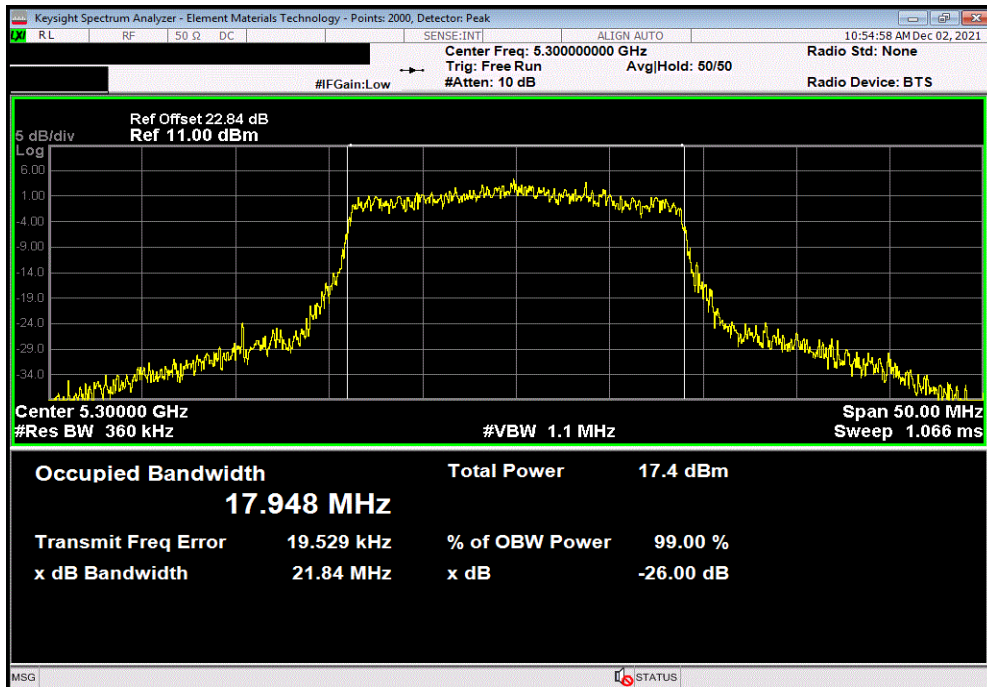


TuTx 2021.10.29.2 XMI 2020.12.30.0

20 MHz, 802.11(n) MCS7, Ch 52, Low Channel 5260 MHz						
			Value (%)	Value (dB)	Limit	Result
			17.911 MHz	21.232 MHz	N/A	N/A



20 MHz, 802.11(n) MCS7, Ch 60, Mid Channel 5300 MHz						
			Value (%)	Value (dB)	Limit	Result
			17.948 MHz	21.836 MHz	N/A	N/A

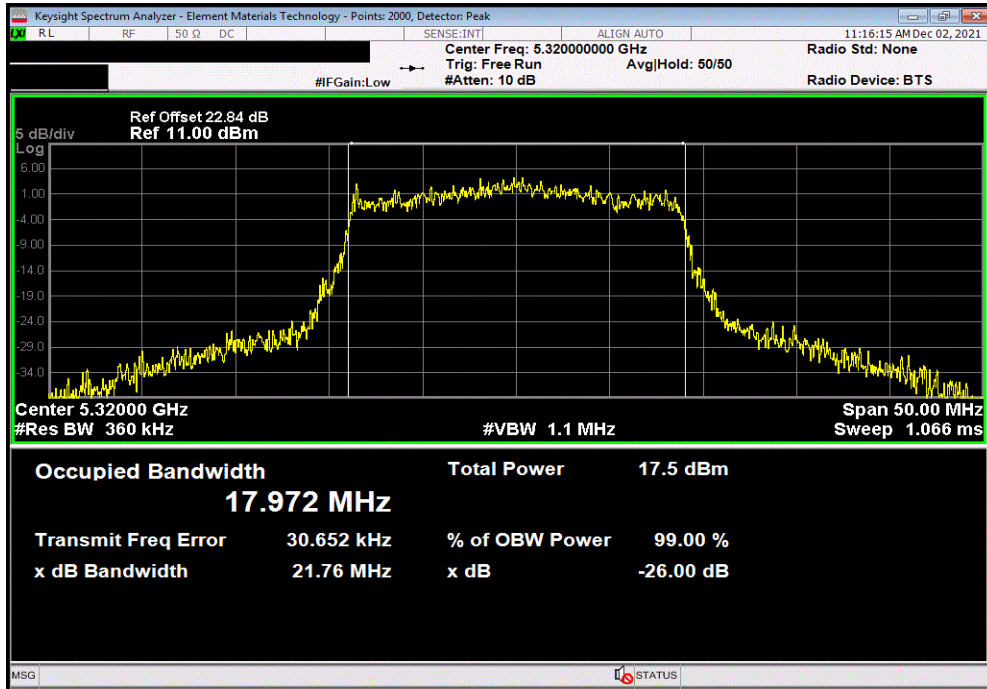


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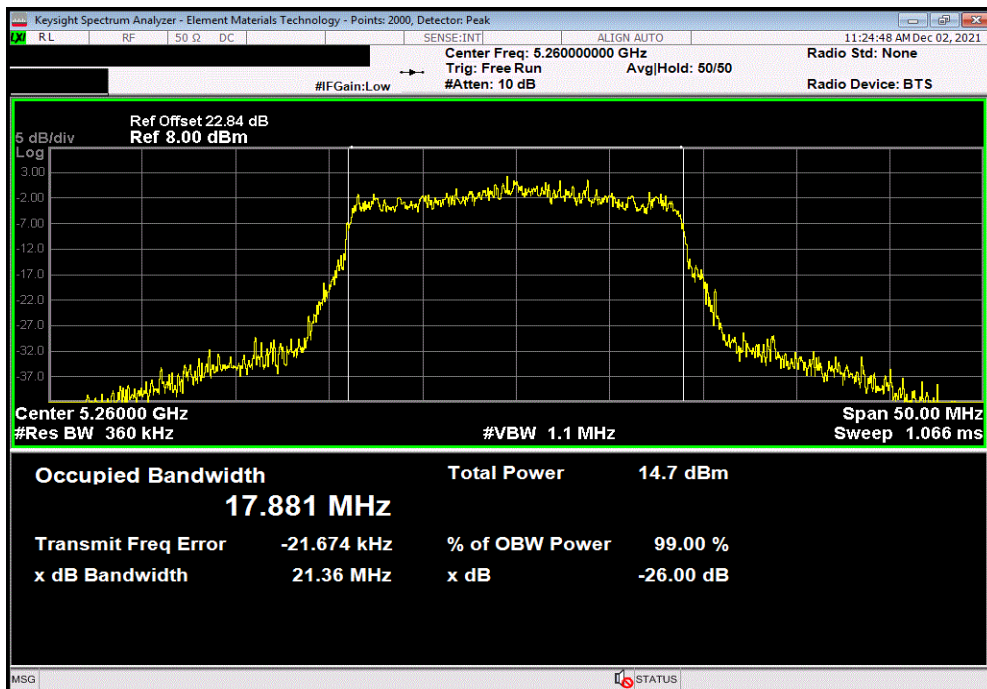


TuTx 2021.10.29.2 XMt 2020.12.30.0

20 MHz, 802.11(n) MCS7, Ch 64, High Channel 5320 MHz						
			Value (%)	Value (dB)	Limit	Result
			17.972 MHz	21.755 MHz	N/A	N/A



20 MHz, 802.11(ac) MCS8 (256-QAM), Ch 52, Low Channel 5260 MHz						
			Value (%)	Value (dB)	Limit	Result
			17.881 MHz	21.361 MHz	N/A	N/A

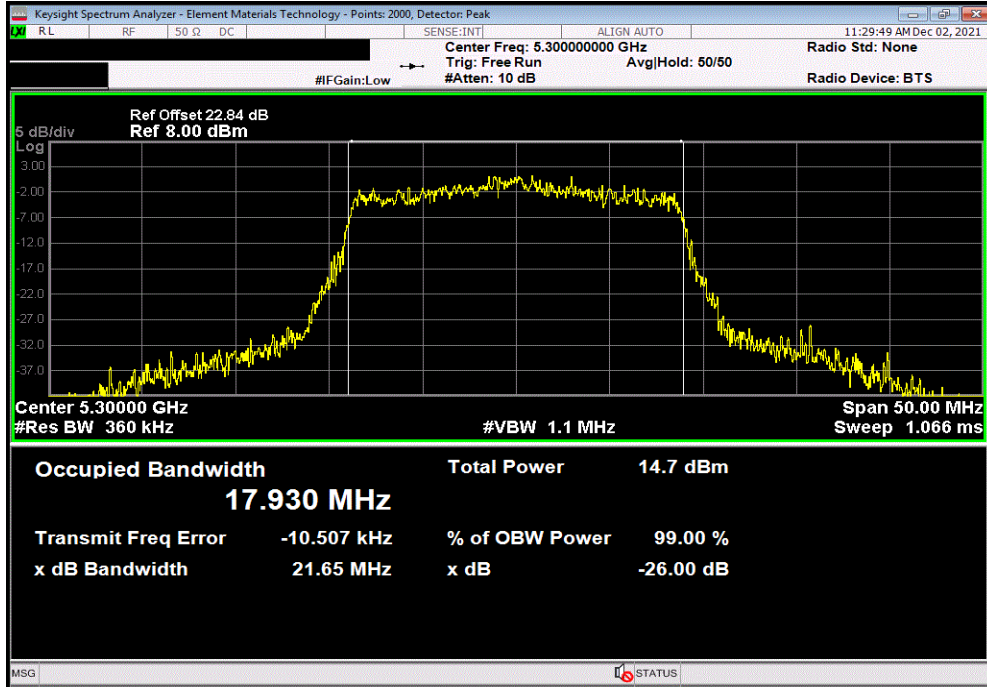


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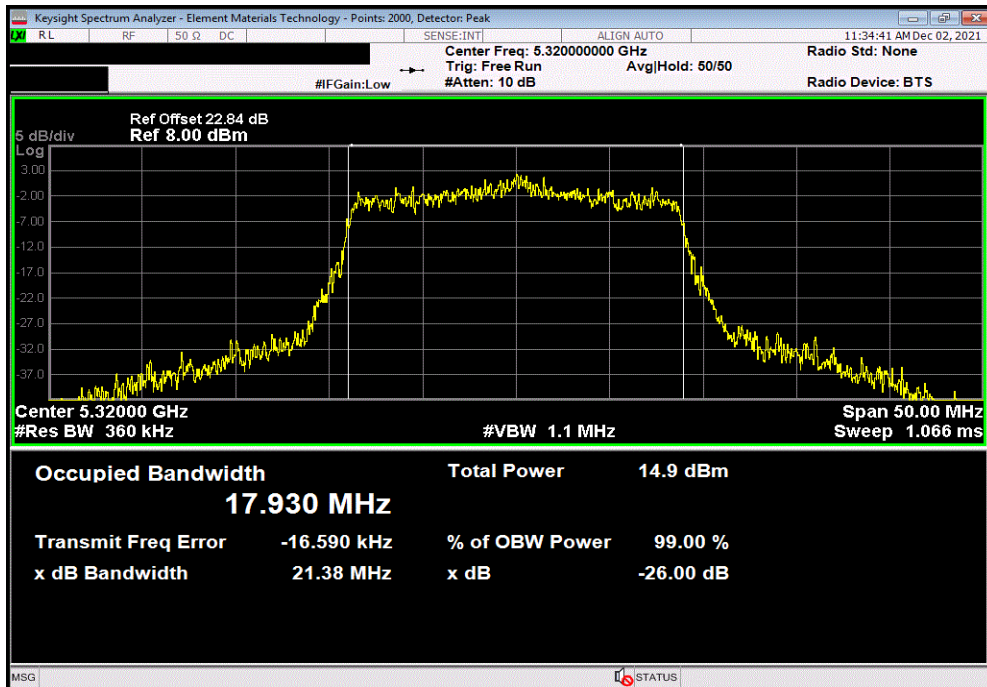


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20 MHz, 802.11(ac) MCS8 (256-QAM), Ch 60, Mid Channel 5300 MHz						
			Value (%)	Value (dB)	Limit	Result
			17.93 MHz	21.651 MHz	N/A	N/A



20 MHz, 802.11(ac) MCS8 (256-QAM), Ch 64, High Channel 5320 MHz						
			Value (%)	Value (dB)	Limit	Result
			17.93 MHz	21.377 MHz	N/A	N/A

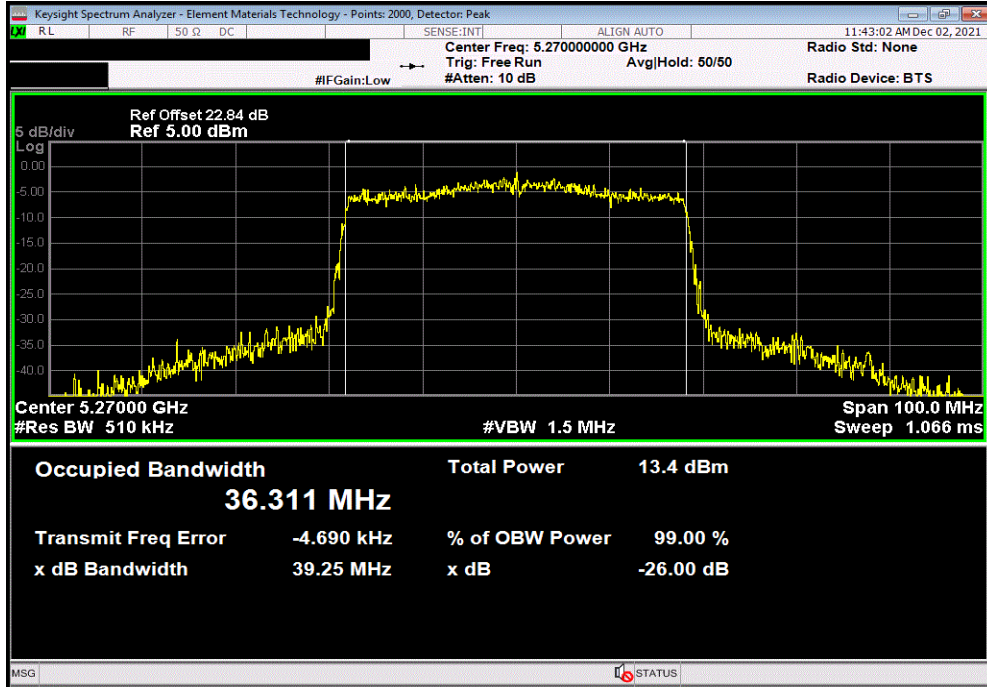


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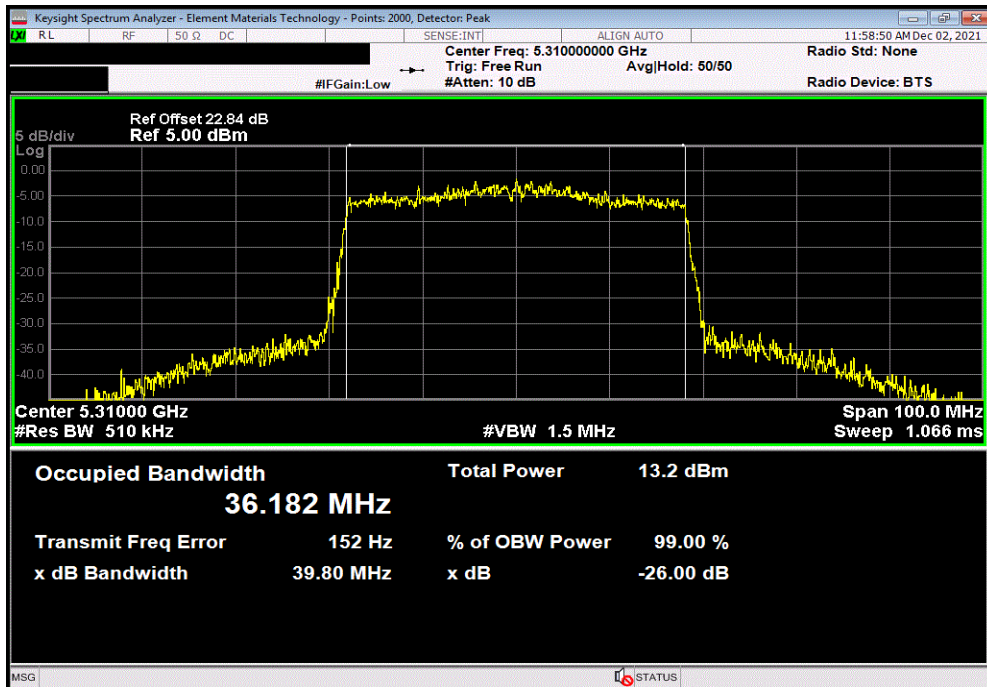


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40 MHz, 802.11(n) MCS0, Ch 52/56, Low Channel 5270 MHz						
			Value (%)	Value (dB)	Limit	Result
			36.311 MHz	39.253 MHz	N/A	N/A



40 MHz, 802.11(n) MCS0, Ch 60/64, High Channel 5310 MHz						
			Value (%)	Value (dB)	Limit	Result
			36.182 MHz	39.801 MHz	N/A	N/A

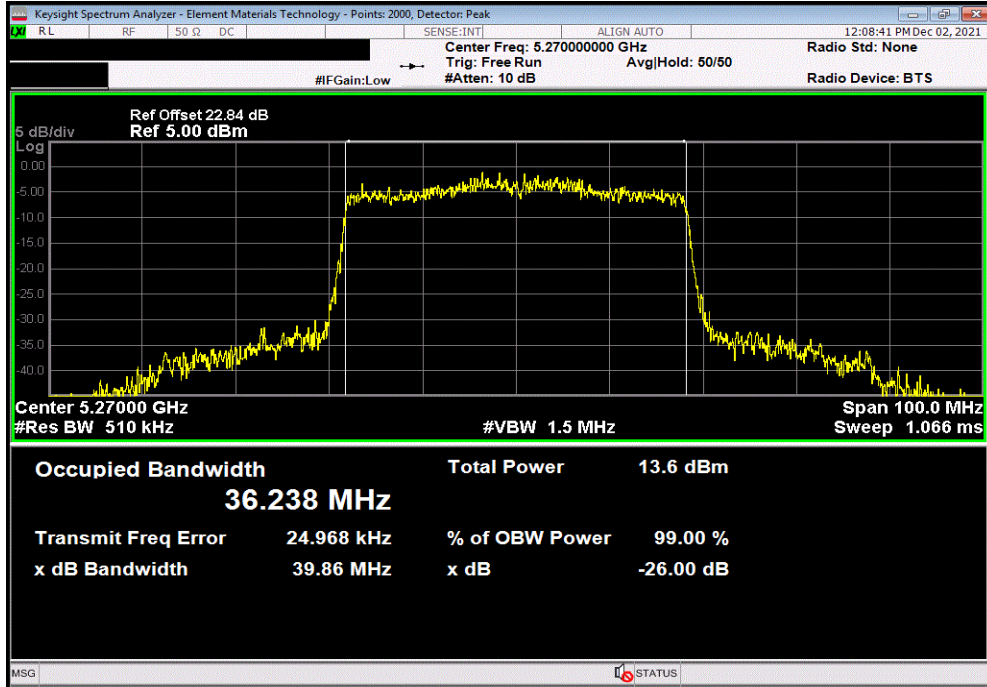


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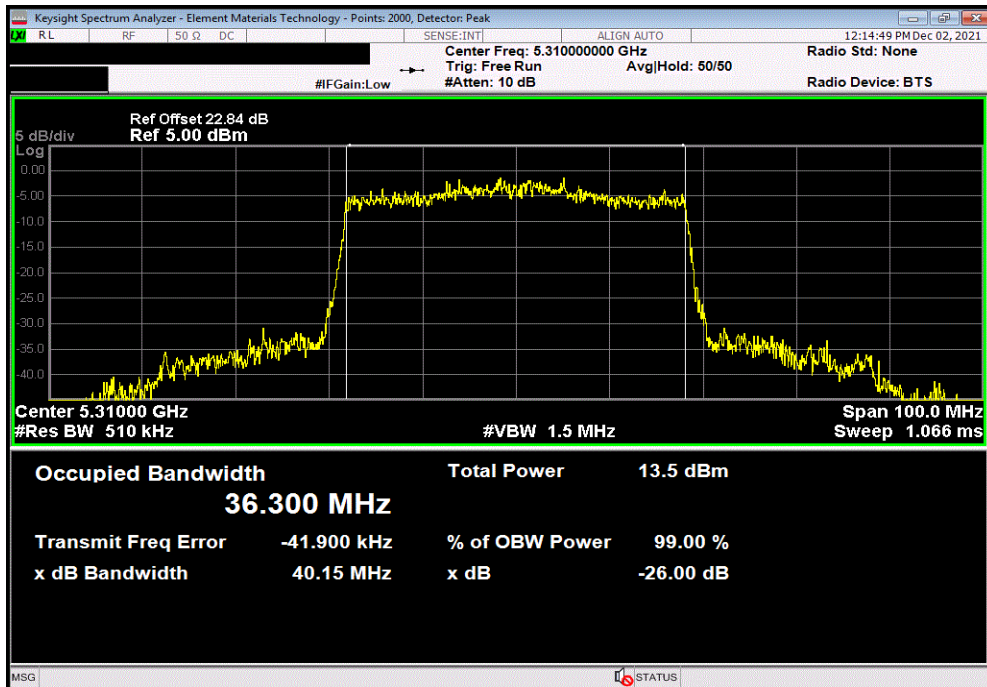


TuTx 2021.10.29.2 XMt 2020.12.30.0

40 MHz, 802.11(n) MCS7, Ch 52/56, Low Channel 5270 MHz						
			Value (%)	Value (dB)	Limit	Result
			36.238 MHz	39.858 MHz	N/A	N/A



40 MHz, 802.11(n) MCS7, Ch 60/64, High Channel 5310 MHz						
			Value (%)	Value (dB)	Limit	Result
			36.3 MHz	40.154 MHz	N/A	N/A

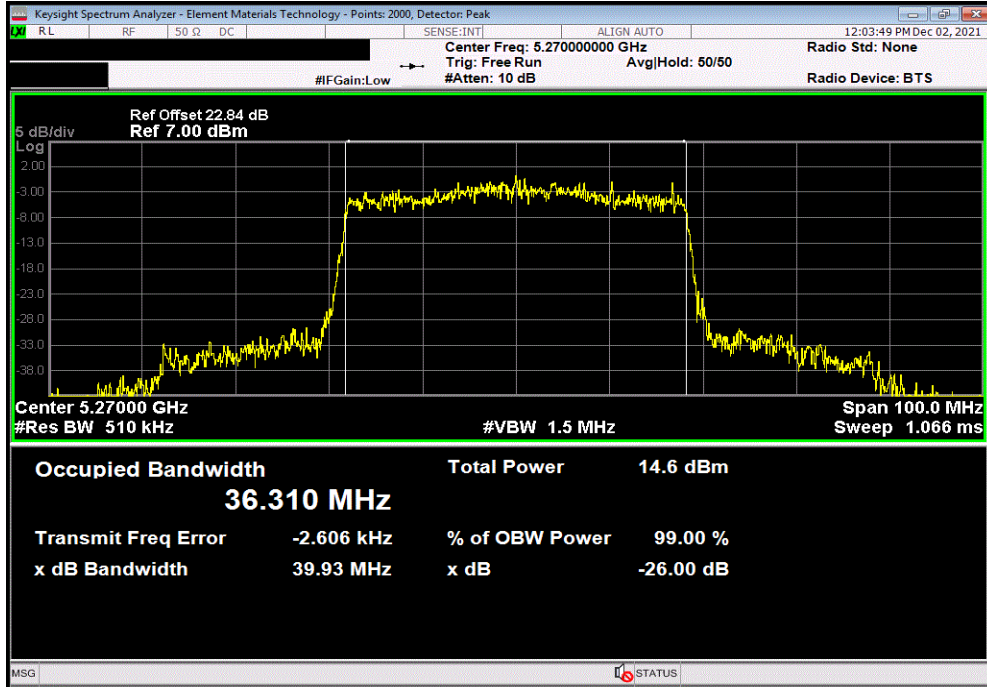


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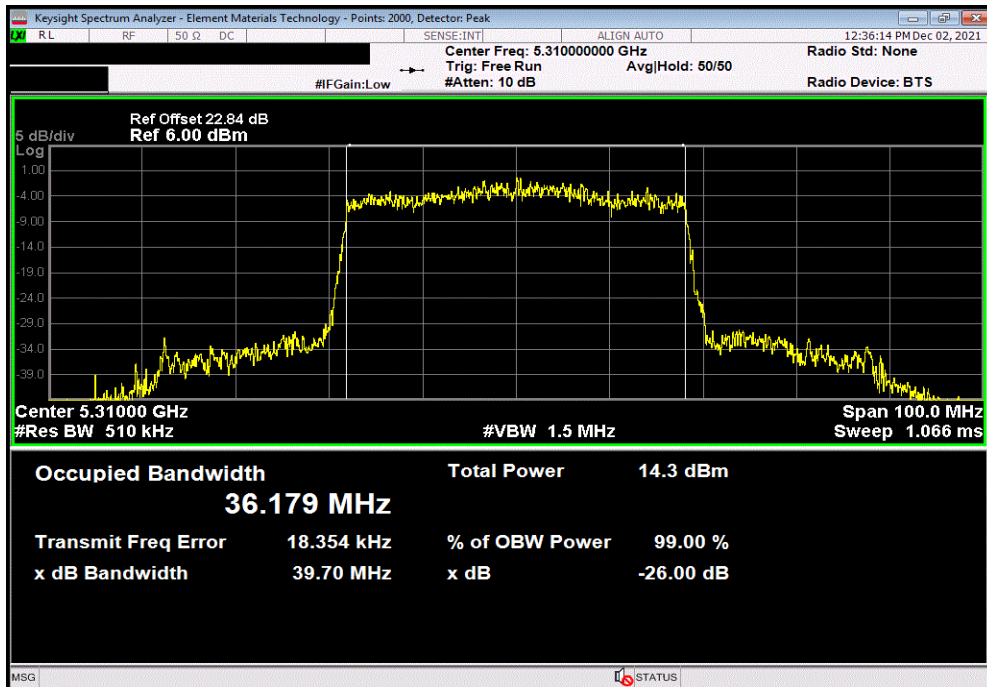


TuTx 2021.10.29.2 XMt 2020.12.30.0

40 MHz, 802.11(ac) MCS9 (256-QAM), Ch 52/56, Low Channel 5270 MHz						
			Value (%)	Value (dB)	Limit	Result
			36.31 MHz	39.934 MHz	N/A	N/A



40 MHz, 802.11(ac) MCS9 (256-QAM), Ch 60/64 High Channel 5310 MHz						
			Value (%)	Value (dB)	Limit	Result
			36.179 MHz	39.7 MHz	N/A	N/A

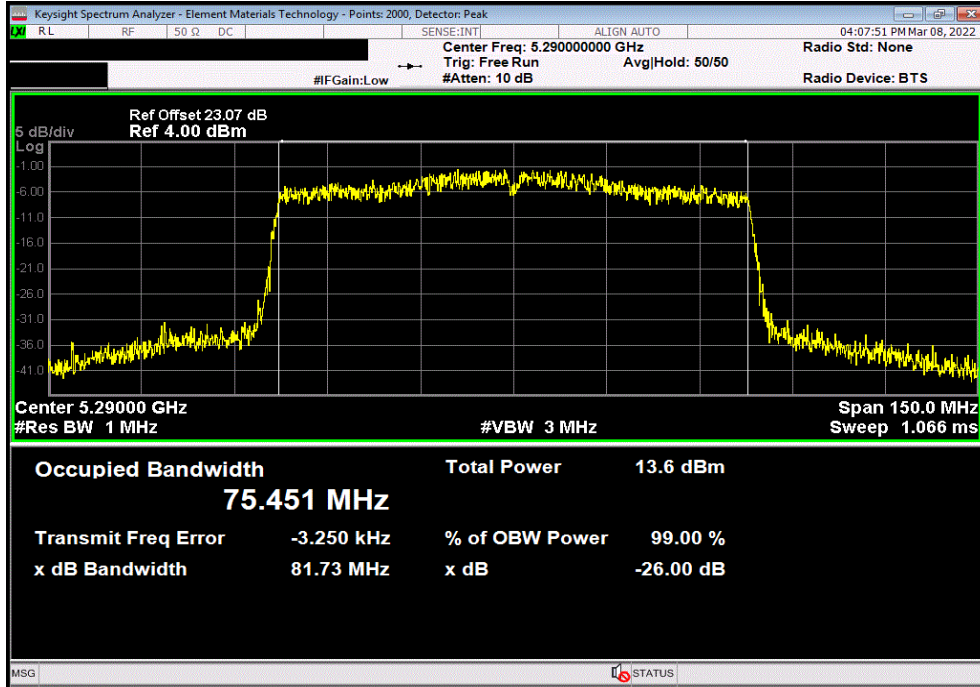


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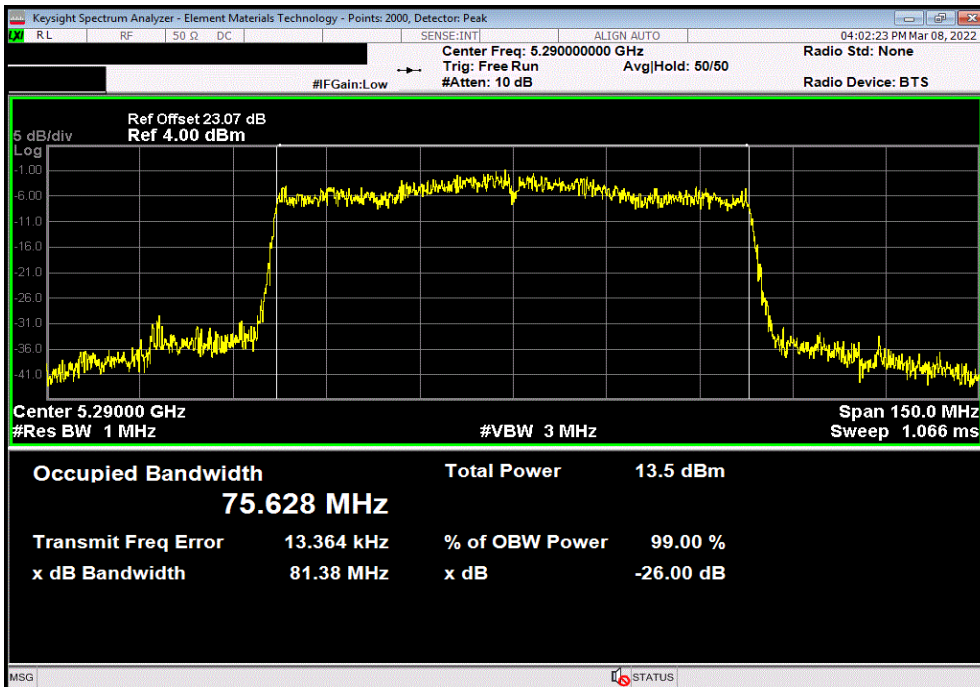


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80 MHz, 802.11(ac) MCS0, Ch 52-64, Low Channel 5290 MHz						
			Value (%)	Value (dB)	Limit	Result
			75.451 MHz	81.73 MHz	N/A	N/A



80 MHz, 802.11(ac) MCS9 (256-QAM), Ch 52-64, Low Channel 5290 MHz						
			Value (%)	Value (dB)	Limit	Result
			75.628 MHz	81.38 MHz	N/A	N/A



# EMISSION BANDWIDTH - 5.6 GHz BAND

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## TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
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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 measurement was made using a direct connection between the RF output of the EUT and a spectrum analyzer.

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

Per ANSI C63.10:2013, Clause 12.4.1, the spectrum analyzer settings were as follows:

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

The spectrum analyzer occupied bandwidth measurement function was then used to measure the 26 dB emission bandwidth. The 99% bandwidth was also reported.

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



# EMISSION BANDWIDTH - 5.6 GHz BAND



Tel: 2021.10.29.2 XM: 2020.12.30.0

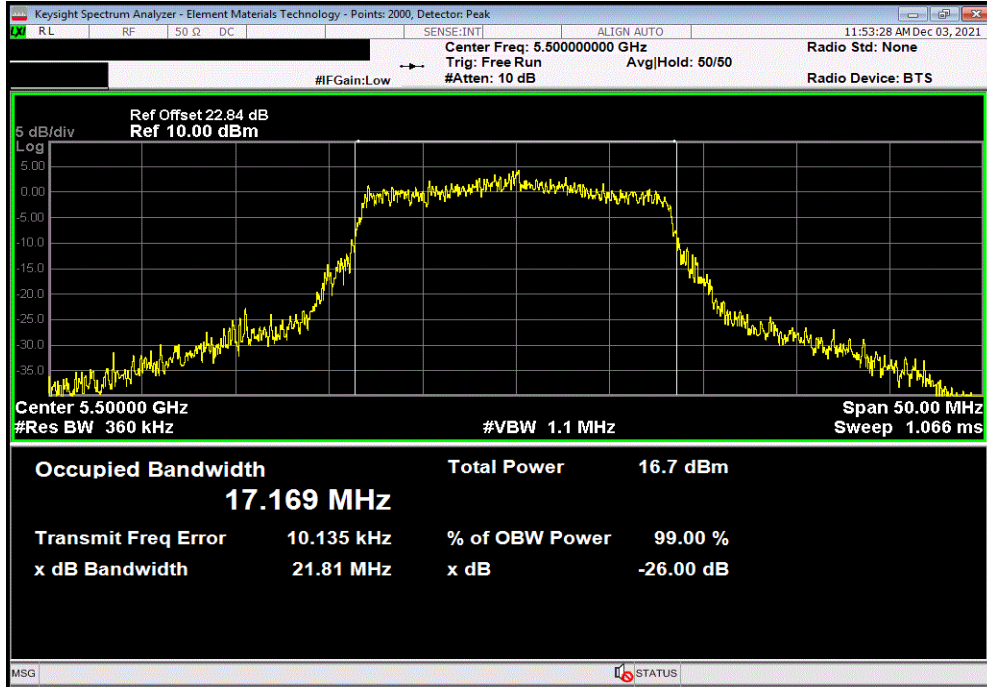
EUT: A-dec Gateway		Work Order: A-DE0169	
Serial Number: 521A000118		Date: 3-Dec-21	
Customer: A-dec, Inc.		Temperature: 20.2 °C	
Attendees: None		Humidity: 40.6% RH	
Project: None		Barometric Pres.: 1025 mbar	
Tested by: Jeff Alcock		Power: 24 VDC via 110VAC/60Hz	
Job Site: EV06			
TEST SPECIFICATIONS		Test Method	
FCC 15.407:2021		ANSI C63.10:2013	
COMMENTS			
Reference level offset includes: DC block, 20 dB attenuator, and measurement cable.			
DEVIATIONS FROM TEST STANDARD			
None			
Configuration #	3	Signature	
		Value (%)	Value (dB)
		Limit	Result
20 MHz			
802.11(a) 6 Mbps			
Ch 100, Low Channel 5500 MHz		17.169 MHz	21.805 MHz
Ch 116, Mid Channel 5580 MHz		17.23 MHz	22.008 MHz
Ch 140, High Channel 5700 MHz		17.083 MHz	21.591 MHz
N/A		N/A	N/A
802.11(a) 36 Mbps			
Ch 100, Low Channel 5500 MHz		16.865 MHz	21.639 MHz
Ch 116, Mid Channel 5580 MHz		16.905 MHz	21.523 MHz
Ch 140, High Channel 5700 MHz		16.899 MHz	21.783 MHz
N/A		N/A	N/A
802.11(a) 54 Mbps			
Ch 100, Low Channel 5500 MHz		16.782 MHz	22.201 MHz
Ch 116, Mid Channel 5580 MHz		16.828 MHz	21.613 MHz
Ch 140, High Channel 5700 MHz		16.868 MHz	21.918 MHz
N/A		N/A	N/A
802.11(n) MCS0			
Ch 100, Low Channel 5500 MHz		18.16 MHz	22.036 MHz
Ch 116, Mid Channel 5580 MHz		18.295 MHz	22.328 MHz
Ch 140, High Channel 5700 MHz		18.222 MHz	21.796 MHz
N/A		N/A	N/A
802.11(n) MCS7			
Ch 100, Low Channel 5500 MHz		17.915 MHz	21.649 MHz
Ch 116, Mid Channel 5580 MHz		17.871 MHz	21.799 MHz
Ch 140, High Channel 5700 MHz		17.989 MHz	22.078 MHz
N/A		N/A	N/A
802.11(ac) MCS8 (256-QAM)			
Ch 100, Low Channel 5500 MHz		17.957 MHz	21.355 MHz
Ch 116, Mid Channel 5580 MHz		17.996 MHz	21.418 MHz
Ch 140, High Channel 5700 MHz		17.977 MHz	22.05 MHz
N/A		N/A	N/A
40 MHz			
802.11(n) MCS0			
Ch 100/104, Low Channel 5510 MHz		36.339 MHz	39.728 MHz
Ch 116/120, Mid Channel 5590 MHz		36.305 MHz	41.516 MHz
Ch 132/136, High Channel 5670 MHz		36.308 MHz	39.749 MHz
N/A		N/A	N/A
802.11(n) MCS7			
Ch 100/104, Low Channel 5510 MHz		36.314 MHz	39.796 MHz
Ch 116/120, Mid Channel 5590 MHz		36.312 MHz	40.034 MHz
Ch 132/136, High Channel 5670 MHz		36.308 MHz	39.902 MHz
N/A		N/A	N/A
802.11(ac) MCS9 (256-QAM)			
Ch 100/104, Low Channel 5510 MHz		36.308 MHz	39.301 MHz
Ch 116/120, Mid Channel 5590 MHz		36.346 MHz	39.745 MHz
Ch 132/136, High Channel 5670 MHz		36.303 MHz	39.592 MHz
N/A		N/A	N/A
80 MHz			
802.11(ac) MCS0			
Ch 100-112, Low Channel 5530 MHz		75.639 MHz	80.82 MHz
Ch 116-128, High Channel 5610 MHz		75.512 MHz	80.63 MHz
N/A		N/A	N/A
802.11(ac) MCS9 (256-QAM)			
Ch 100-112, Low Channel 5530 MHz		75.737 MHz	81.19 MHz
Ch 116-128, High Channel 5610 MHz		75.692 MHz	81.07 MHz
N/A		N/A	N/A

# EMISSION BANDWIDTH - 5.6 GHz BAND

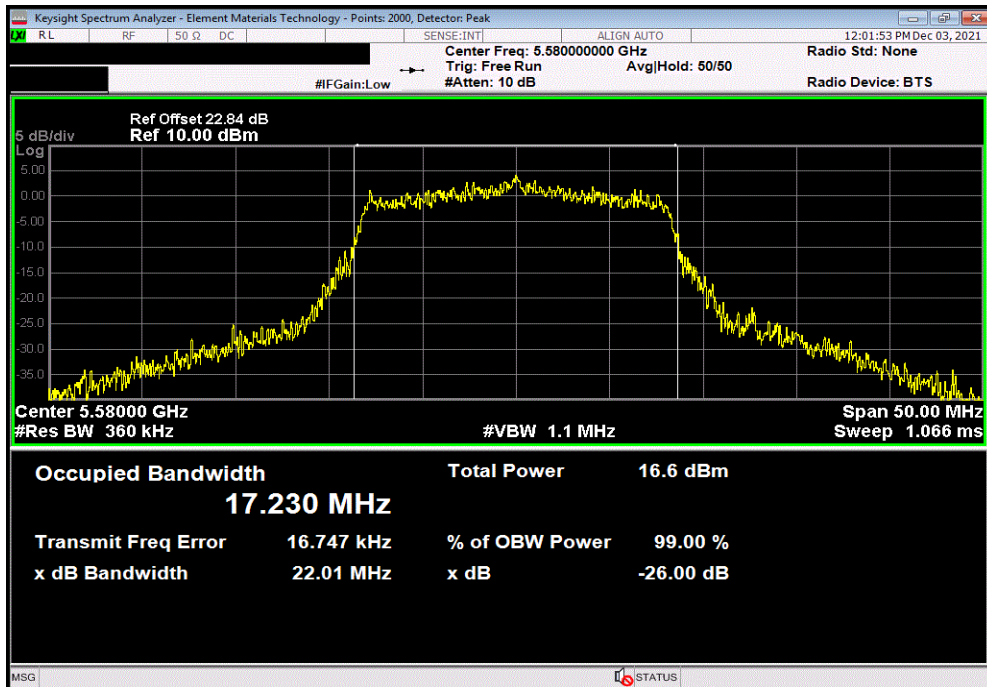


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20 MHz, 802.11(a) 6 Mbps, Ch 100, Low Channel 5500 MHz						
			Value (%)	Value (dB)	Limit	Result
			17.169 MHz	21.805 MHz	N/A	N/A



20 MHz, 802.11(a) 6 Mbps, Ch 116, Mid Channel 5580 MHz						
			Value (%)	Value (dB)	Limit	Result
			17.23 MHz	22.008 MHz	N/A	N/A

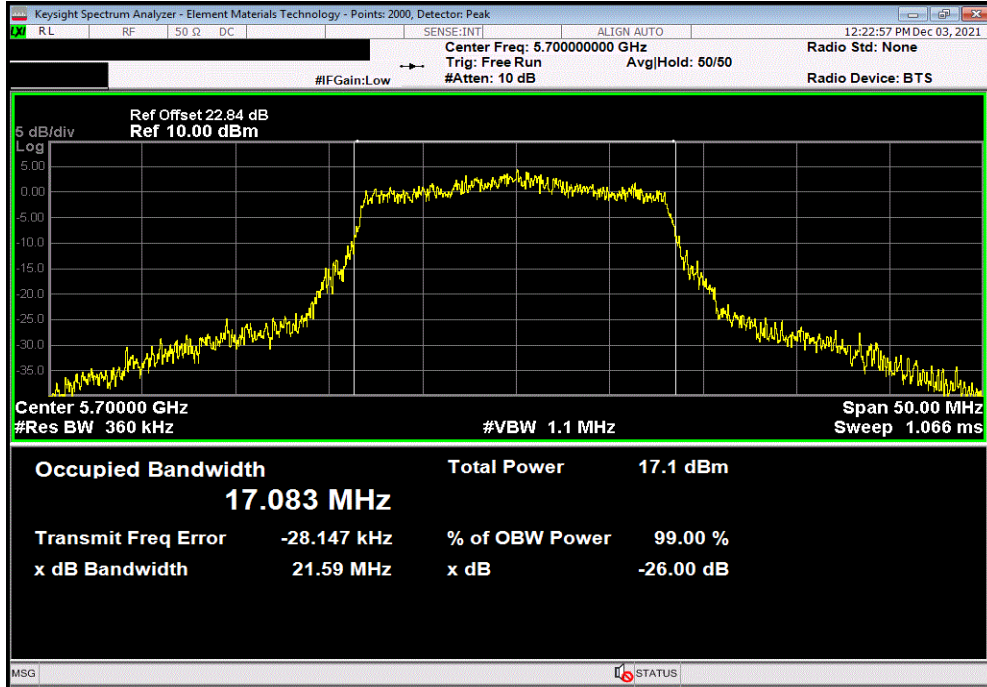


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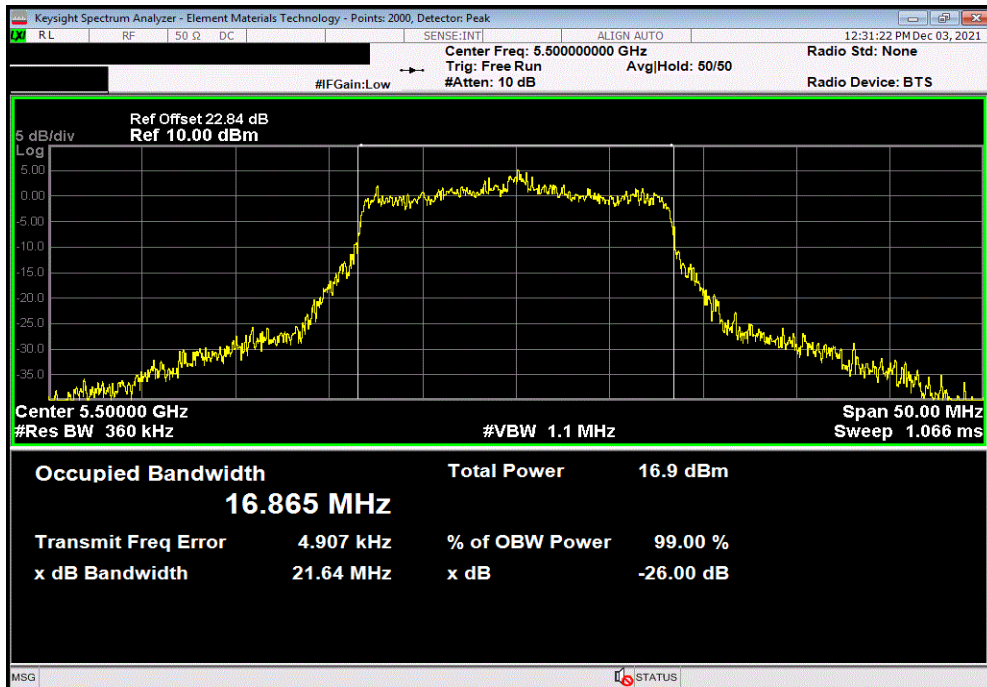


TuTx 2021.10.29.2 XMt 2020.12.30.0

20 MHz, 802.11(a) 6 Mbps, Ch 140, High Channel 5700 MHz						
			Value (%)	Value (dB)	Limit	Result
			17.083 MHz	21.591 MHz	N/A	N/A



20 MHz, 802.11(a) 36 Mbps, Ch 100, Low Channel 5500 MHz						
			Value (%)	Value (dB)	Limit	Result
			16.865 MHz	21.639 MHz	N/A	N/A

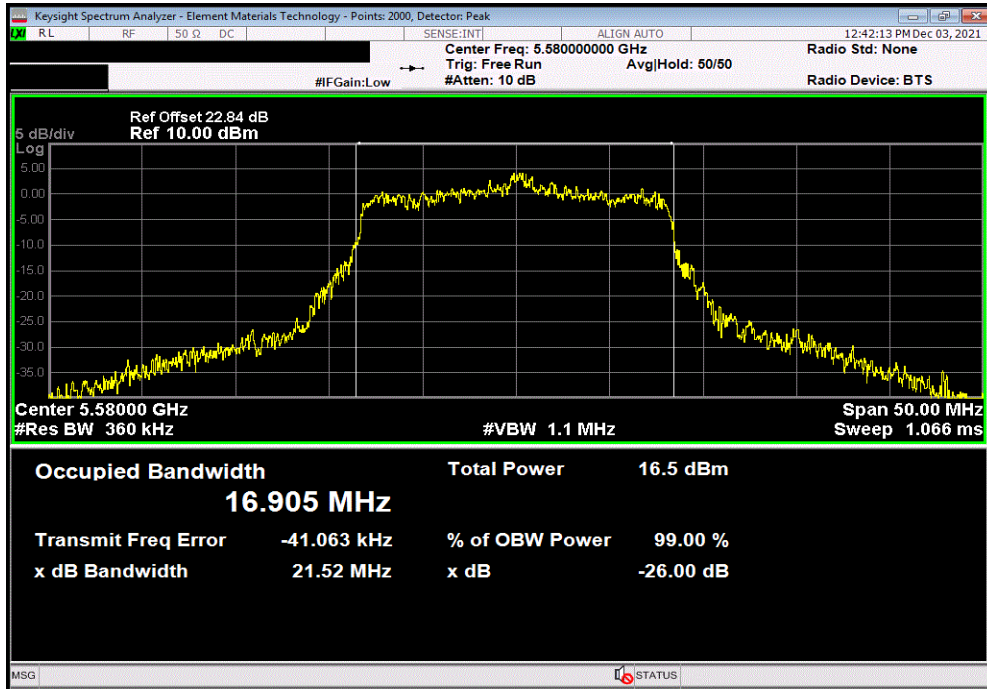


# EMISSION BANDWIDTH - 5.6 GHz BAND

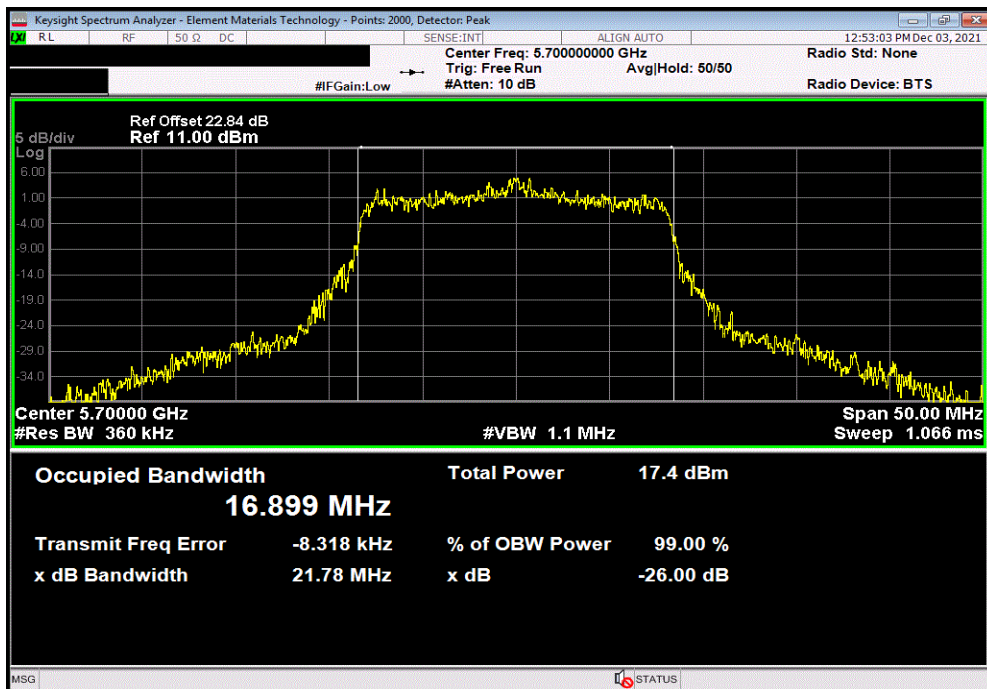


TuTx 2021.10.29.2 XMt 2020.12.30.0

20 MHz, 802.11(a) 36 Mbps, Ch 116, Mid Channel 5580 MHz						
			Value (%)	Value (dB)	Limit	Result
			16.905 MHz	21.523 MHz	N/A	N/A



20 MHz, 802.11(a) 36 Mbps, Ch 140, High Channel 5700 MHz						
			Value (%)	Value (dB)	Limit	Result
			16.899 MHz	21.783 MHz	N/A	N/A

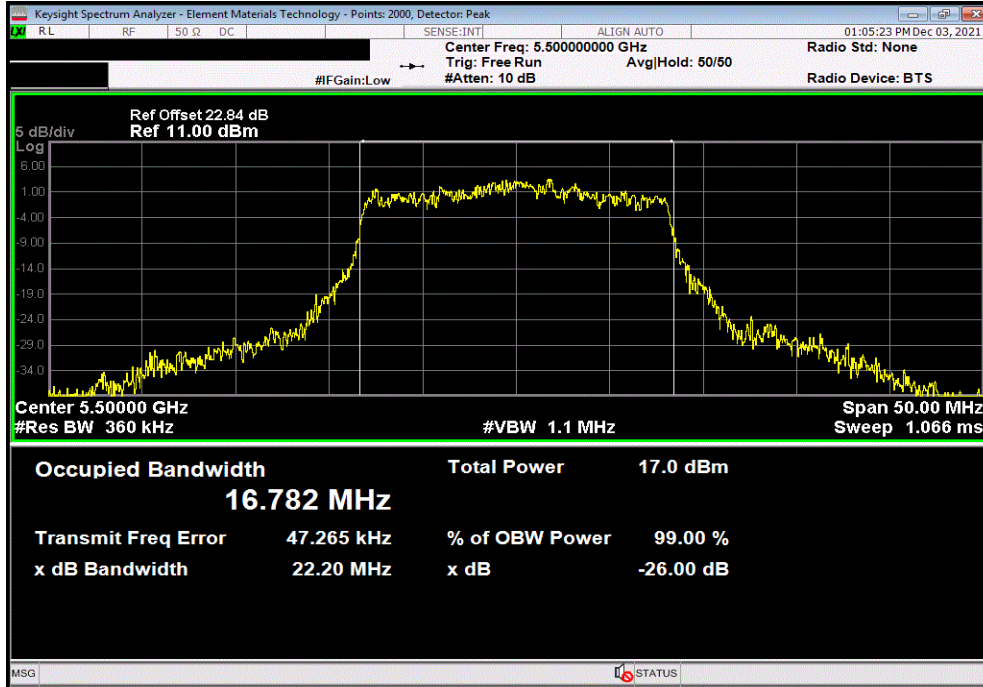


# EMISSION BANDWIDTH - 5.6 GHz BAND

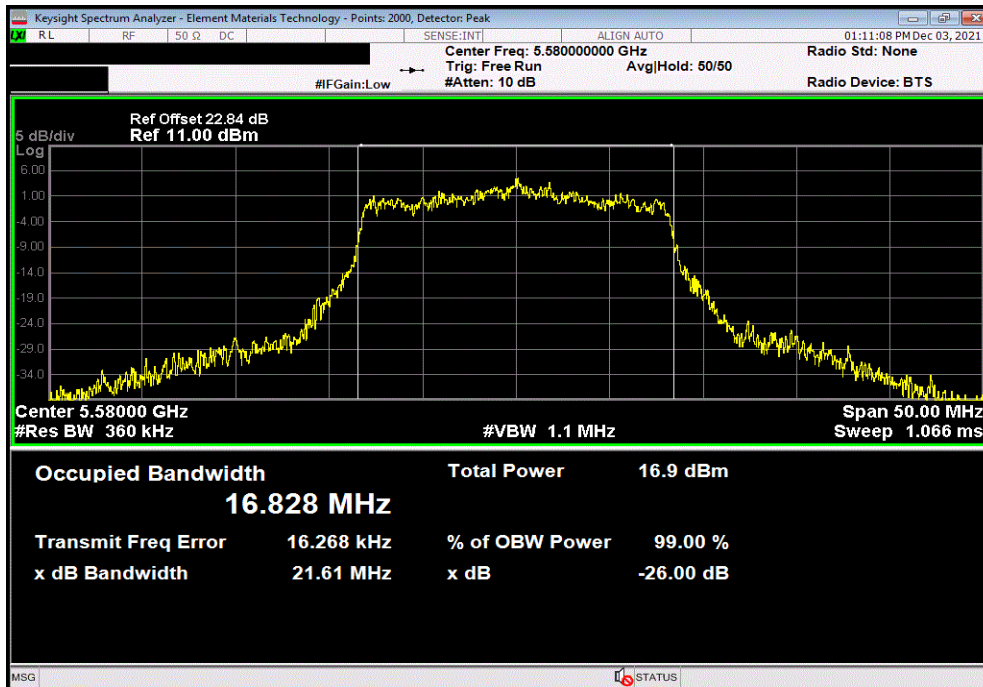


TuTx 2021.10.29.2 XMI 2020.12.30.0

20 MHz, 802.11(a) 54 Mbps, Ch 100, Low Channel 5500 MHz						
			Value (%)	Value (dB)	Limit	Result
			16.782 MHz	22.201 MHz	N/A	N/A



20 MHz, 802.11(a) 54 Mbps, Ch 116, Mid Channel 5580 MHz						
			Value (%)	Value (dB)	Limit	Result
			16.828 MHz	21.613 MHz	N/A	N/A

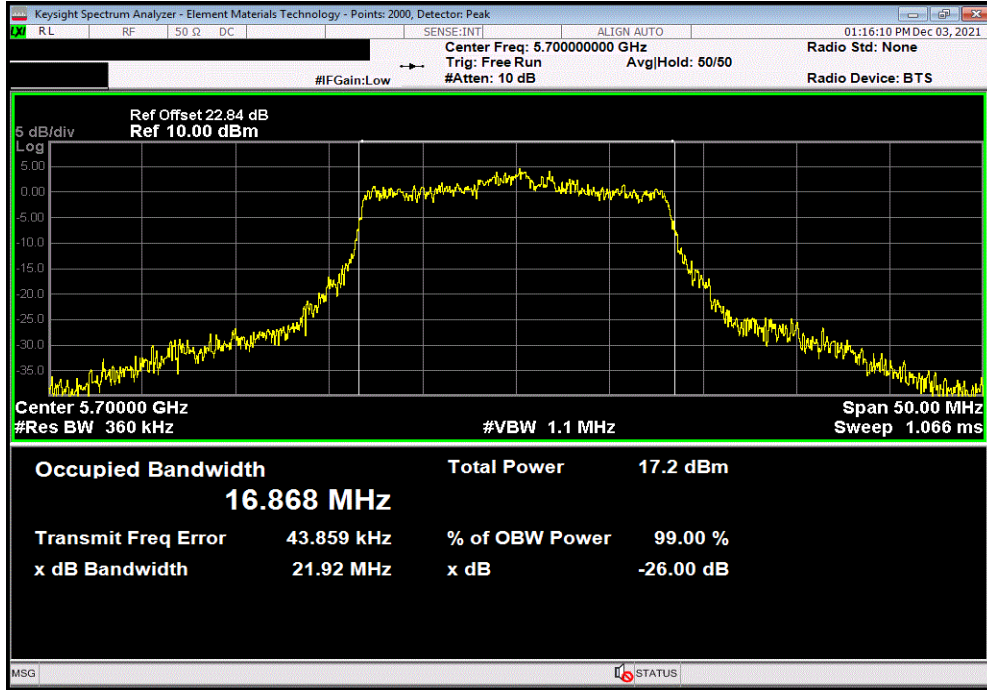


# EMISSION BANDWIDTH - 5.6 GHz BAND

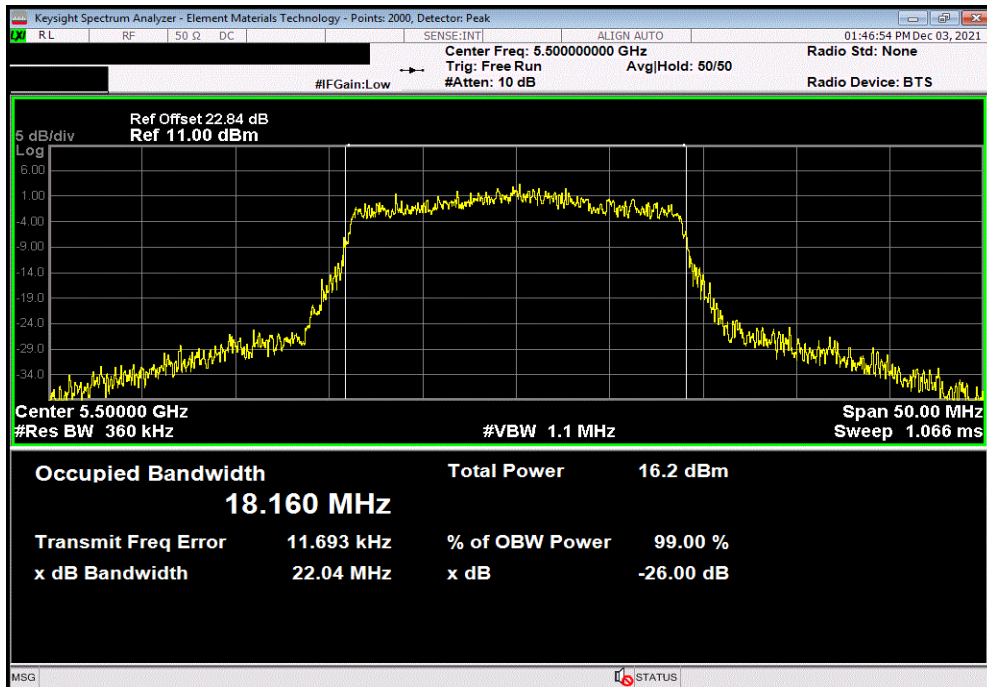


TuTx 2021.10.29.2 XMt 2020.12.30.0

20 MHz, 802.11(a) 54 Mbps, Ch 140, High Channel 5700 MHz						
			Value (%)	Value (dB)	Limit	Result
			16.868 MHz	21.918 MHz	N/A	N/A



20 MHz, 802.11(n) MCS0, Ch 100, Low Channel 5500 MHz						
			Value (%)	Value (dB)	Limit	Result
			18.16 MHz	22.036 MHz	N/A	N/A

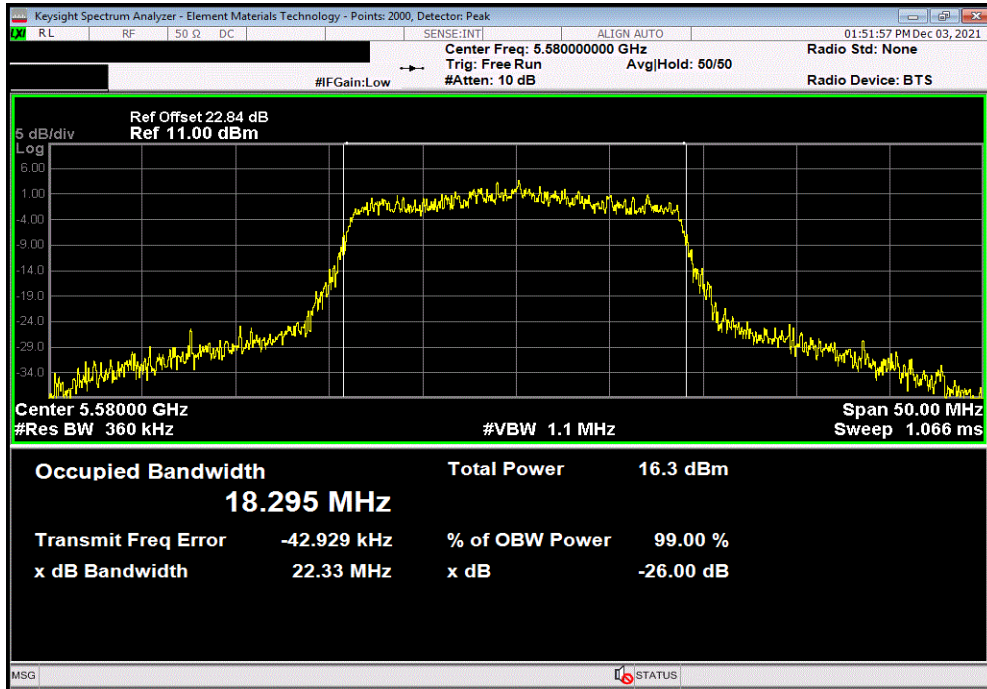


# EMISSION BANDWIDTH - 5.6 GHz BAND

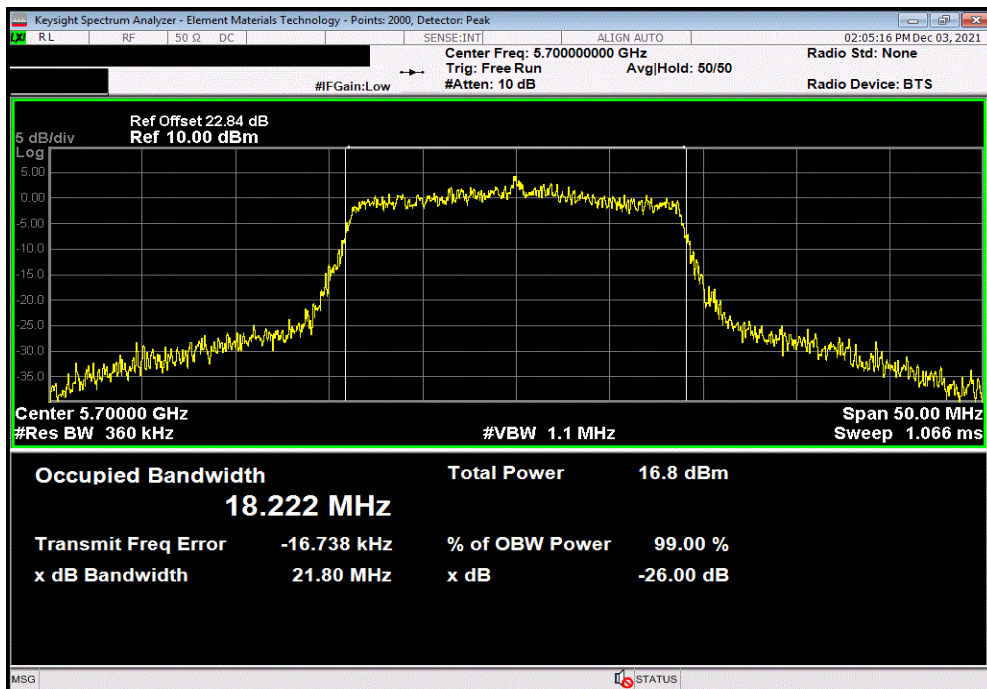


TuTx 2021.10.29.2 XMt 2020.12.30.0

20 MHz, 802.11(n) MCS0, Ch 116, Mid Channel 5580 MHz						
	Value (%)	Value (dB)	Limit	Result		
	18.295 MHz	22.328 MHz	N/A	N/A		



20 MHz, 802.11(n) MCS0, Ch 140, High Channel 5700 MHz						
	Value (%)	Value (dB)	Limit	Result		
	18.222 MHz	21.796 MHz	N/A	N/A		

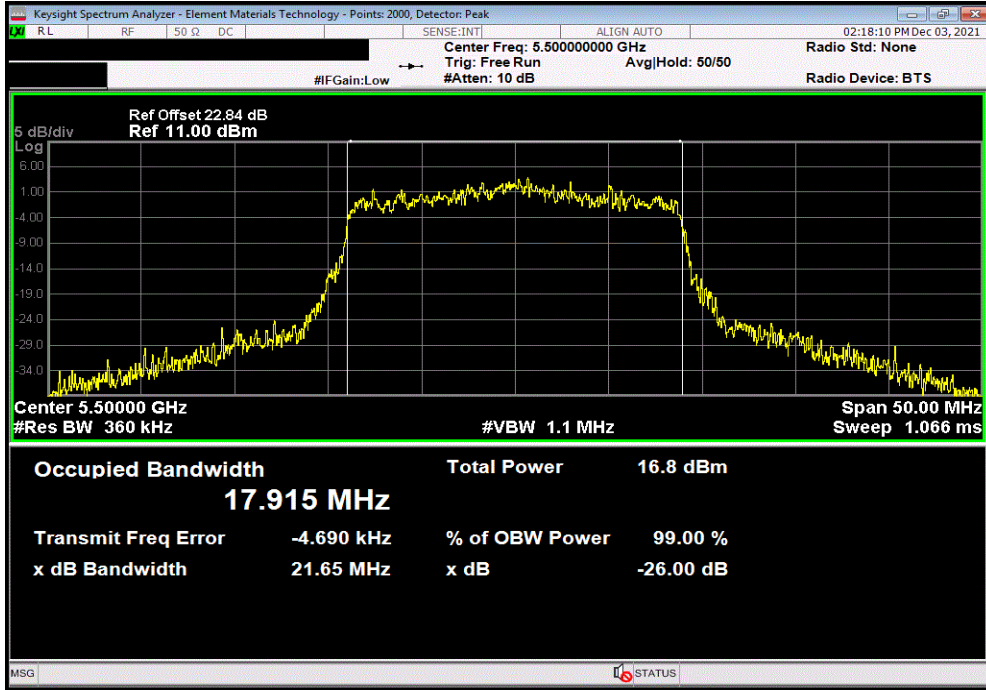


# EMISSION BANDWIDTH - 5.6 GHz BAND

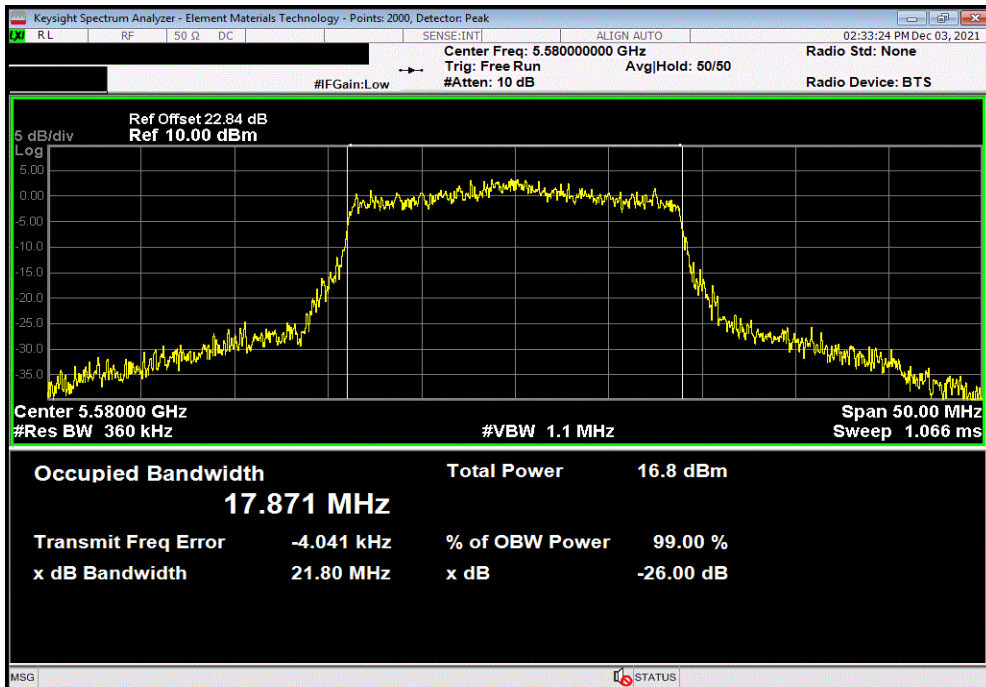


TuTx 2021.10.29.2 XMt 2020.12.30.0

20 MHz, 802.11(n) MCS7, Ch 100, Low Channel 5500 MHz						
			Value (%)	Value (dB)	Limit	Result
			17.915 MHz	21.649 MHz	N/A	N/A



20 MHz, 802.11(n) MCS7, Ch 116, Mid Channel 5580 MHz						
			Value (%)	Value (dB)	Limit	Result
			17.871 MHz	21.799 MHz	N/A	N/A



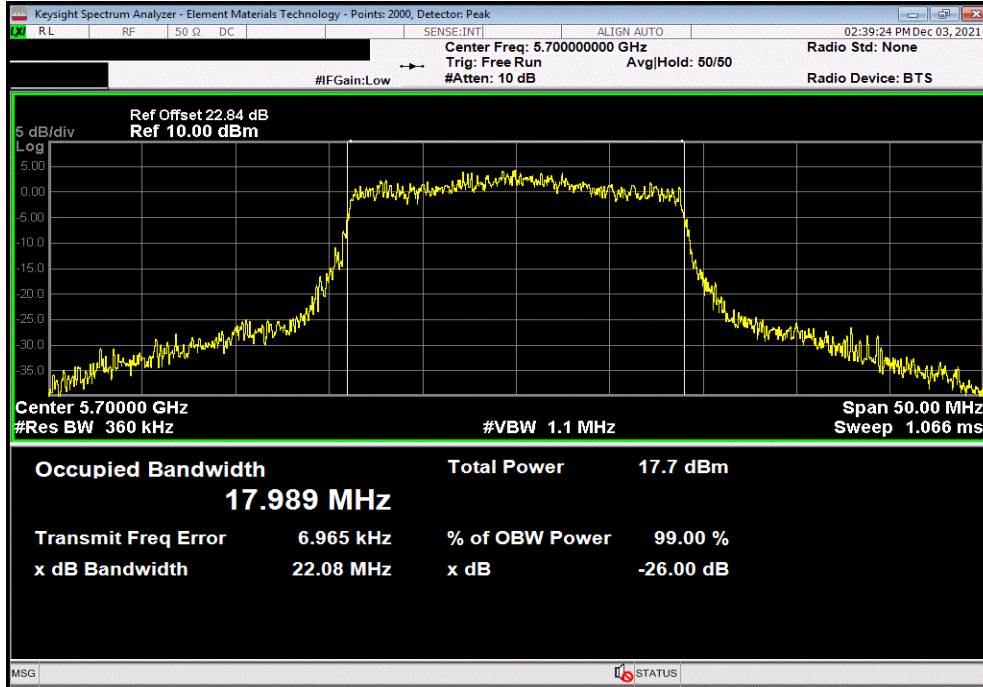


# EMISSION BANDWIDTH - 5.6 GHz BAND

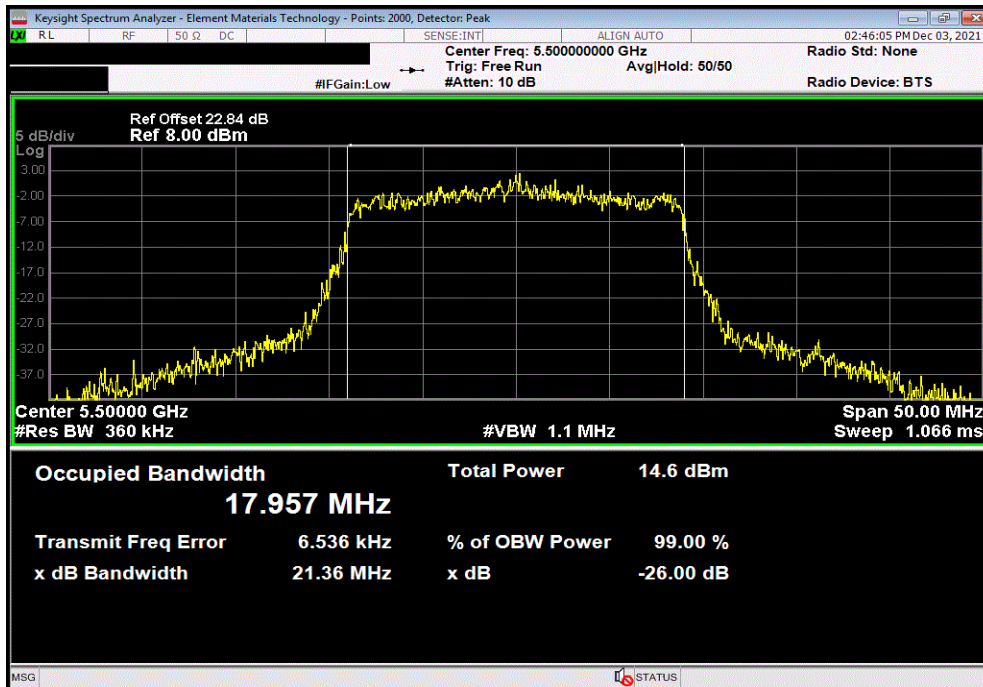


TuTx 2021.10.29.2 XMt 2020.12.30.0

20 MHz, 802.11(n) MCS7, Ch 140, High Channel 5700 MHz						
			Value (%)	Value (dB)	Limit	Result
			17.989 MHz	22.078 MHz	N/A	N/A



20 MHz, 802.11(ac) MCS8 (256-QAM), Ch 100, Low Channel 5500 MHz						
			Value (%)	Value (dB)	Limit	Result
			17.957 MHz	21.355 MHz	N/A	N/A

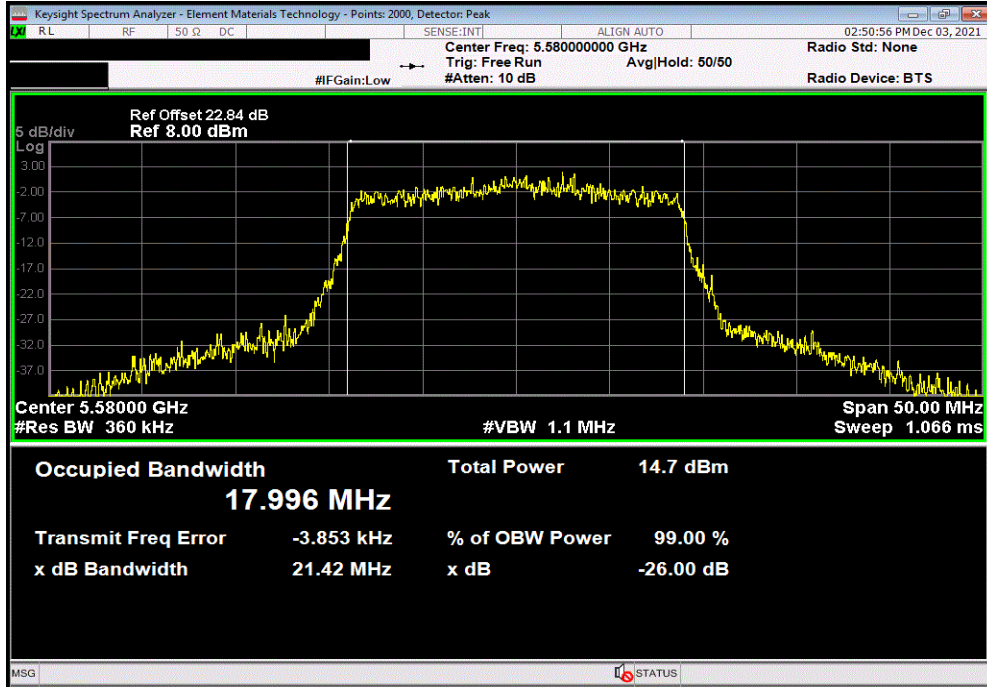


# EMISSION BANDWIDTH - 5.6 GHz BAND

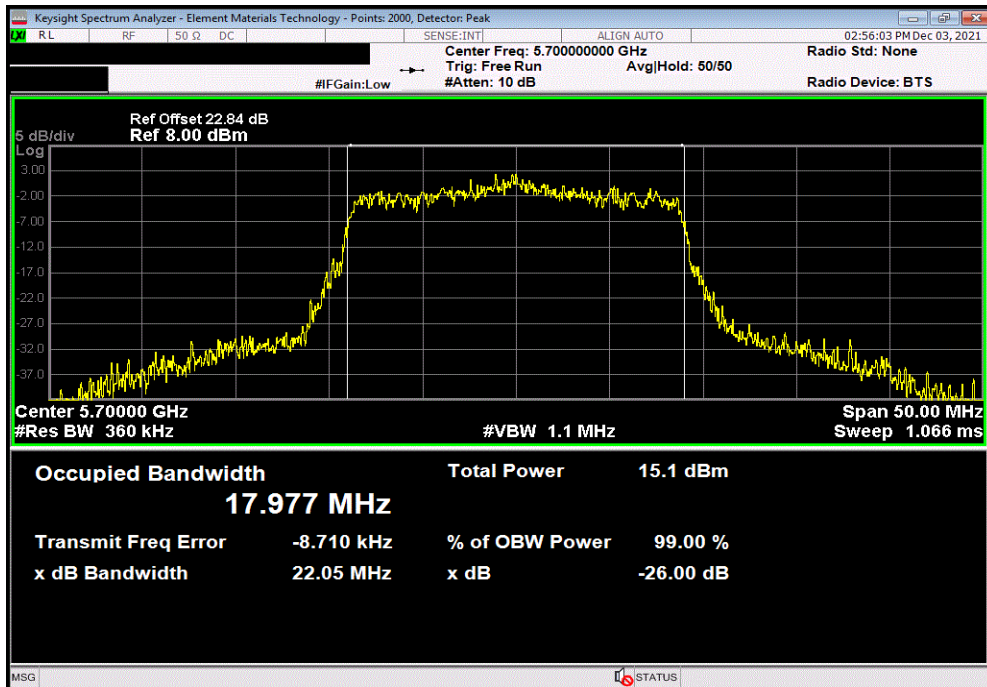


TuTx 2021.10.29.2 XMt 2020.12.30.0

20 MHz, 802.11(ac) MCS8 (256-QAM), Ch 116, Mid Channel 5580 MHz						
			Value (%)	Value (dB)	Limit	Result
			17.996 MHz	21.418 MHz	N/A	N/A



20 MHz, 802.11(ac) MCS8 (256-QAM), Ch 140, High Channel 5700 MHz						
			Value (%)	Value (dB)	Limit	Result
			17.977 MHz	22.05 MHz	N/A	N/A

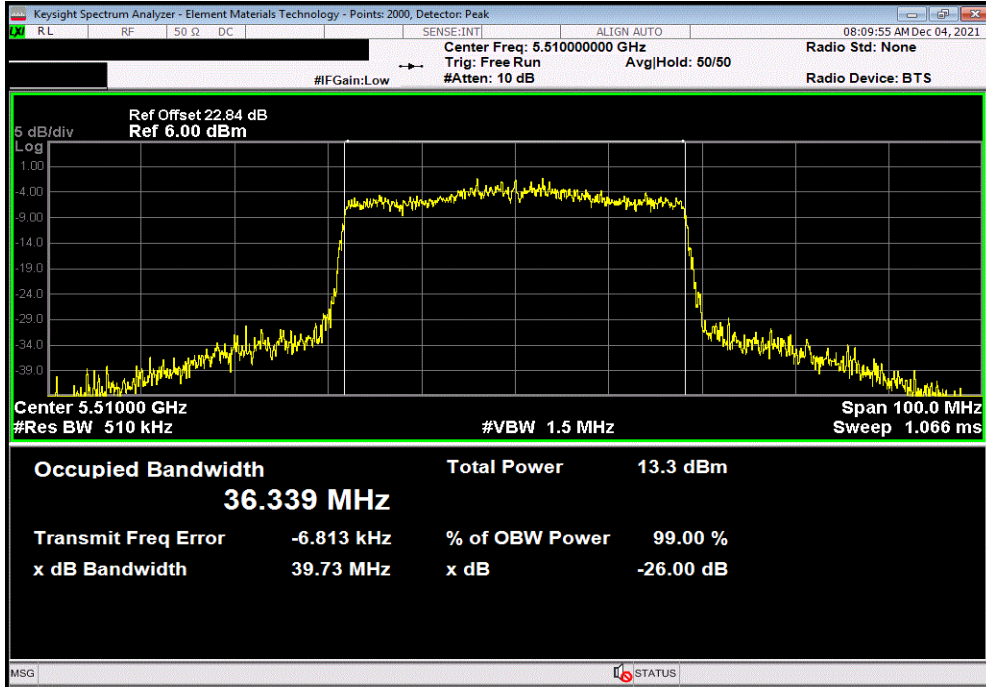


# EMISSION BANDWIDTH - 5.6 GHz BAND

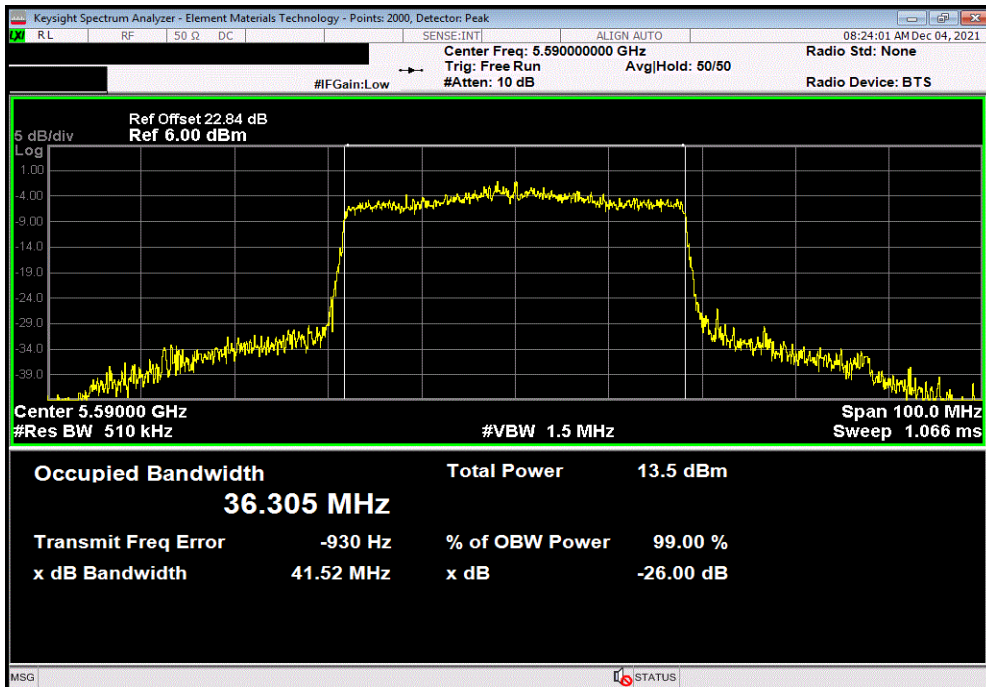


TuTx 2021.10.29.2 XMt 2020.12.30.0

40 MHz, 802.11(n) MCS0, Ch 100/104, Low Channel 5510 MHz						
			Value (%)	Value (dB)	Limit	Result
			36.339 MHz	39.728 MHz	N/A	N/A



40 MHz, 802.11(n) MCS0, Ch 116/120, Mid Channel 5590 MHz						
			Value (%)	Value (dB)	Limit	Result
			36.305 MHz	41.516 MHz	N/A	N/A

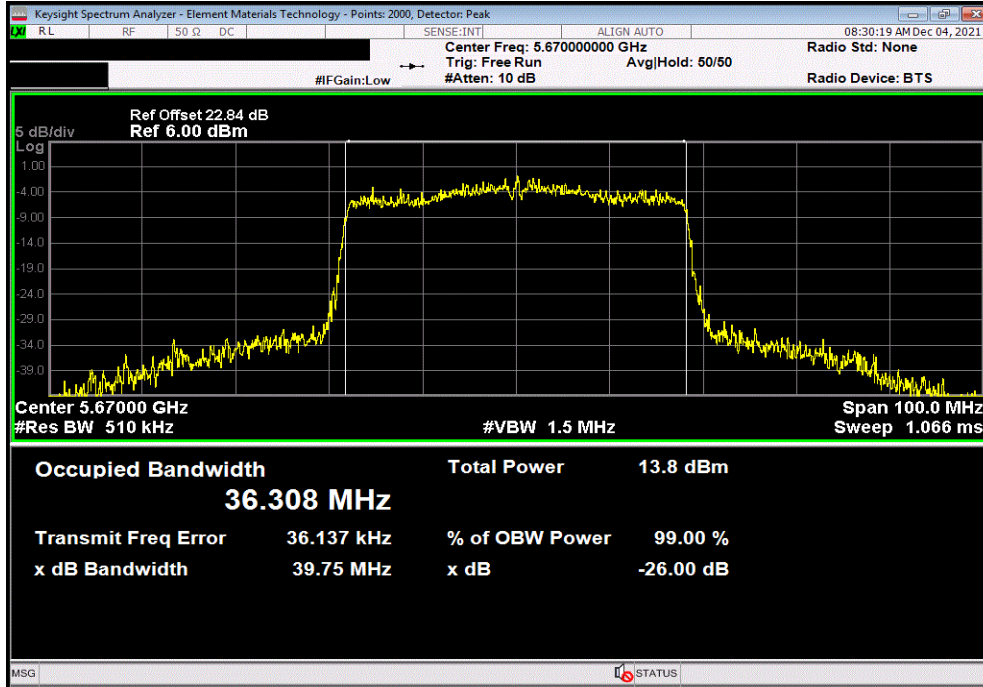


# EMISSION BANDWIDTH - 5.6 GHz BAND

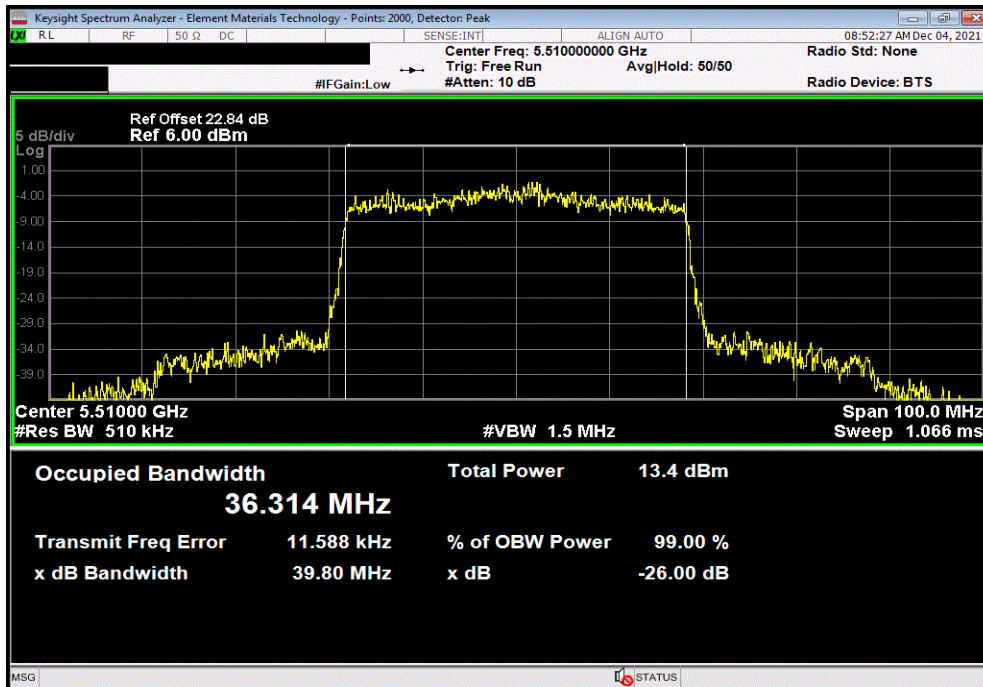


TuTx 2021.10.29.2 XMt 2020.12.30.0

40 MHz, 802.11(n) MCS0, Ch 132/136, High Channel 5670 MHz						
			Value (%)	Value (dB)	Limit	Result
			36.308 MHz	39.749 MHz	N/A	N/A



40 MHz, 802.11(n) MCS7, Ch 100/104, Low Channel 5510 MHz						
			Value (%)	Value (dB)	Limit	Result
			36.314 MHz	39.796 MHz	N/A	N/A

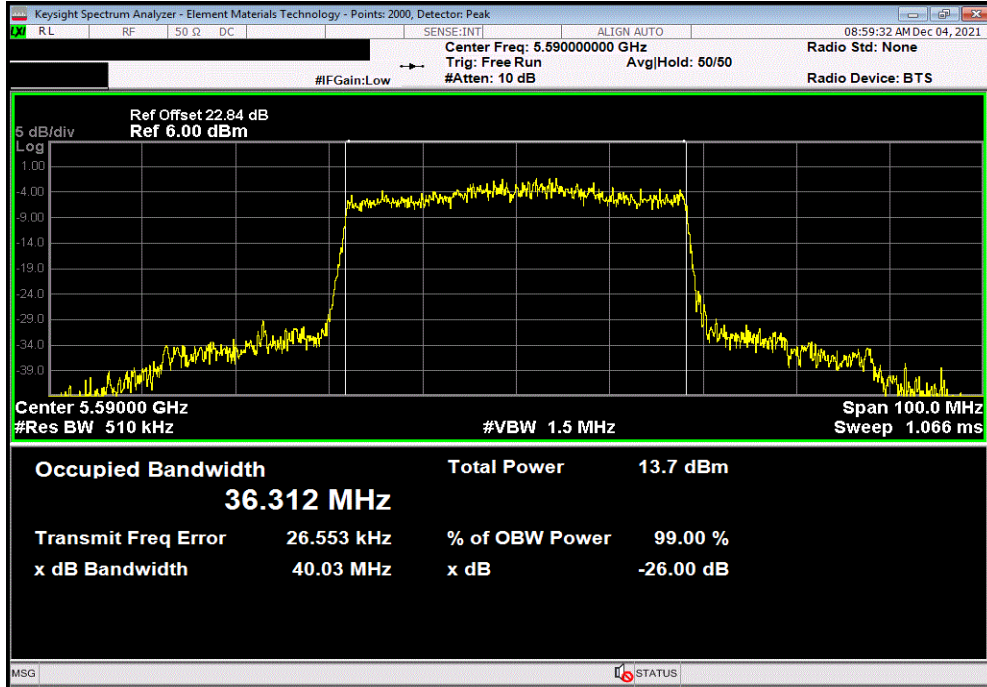


# EMISSION BANDWIDTH - 5.6 GHz BAND

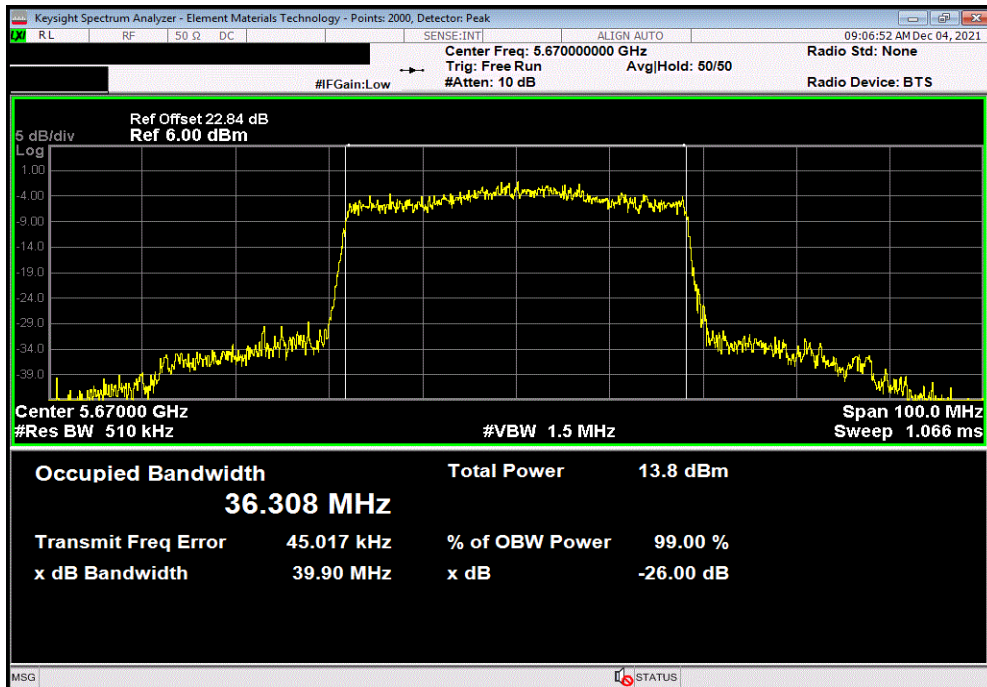


TuTx 2021.10.29.2 XMt 2020.12.30.0

40 MHz, 802.11(n) MCS7, Ch 116/120, Mid Channel 5590 MHz						
			Value (%)	Value (dB)	Limit	Result
			36.312 MHz	40.034 MHz	N/A	N/A



40 MHz, 802.11(n) MCS7, Ch 132/136, High Channel 5670 MHz						
			Value (%)	Value (dB)	Limit	Result
			36.308 MHz	39.902 MHz	N/A	N/A

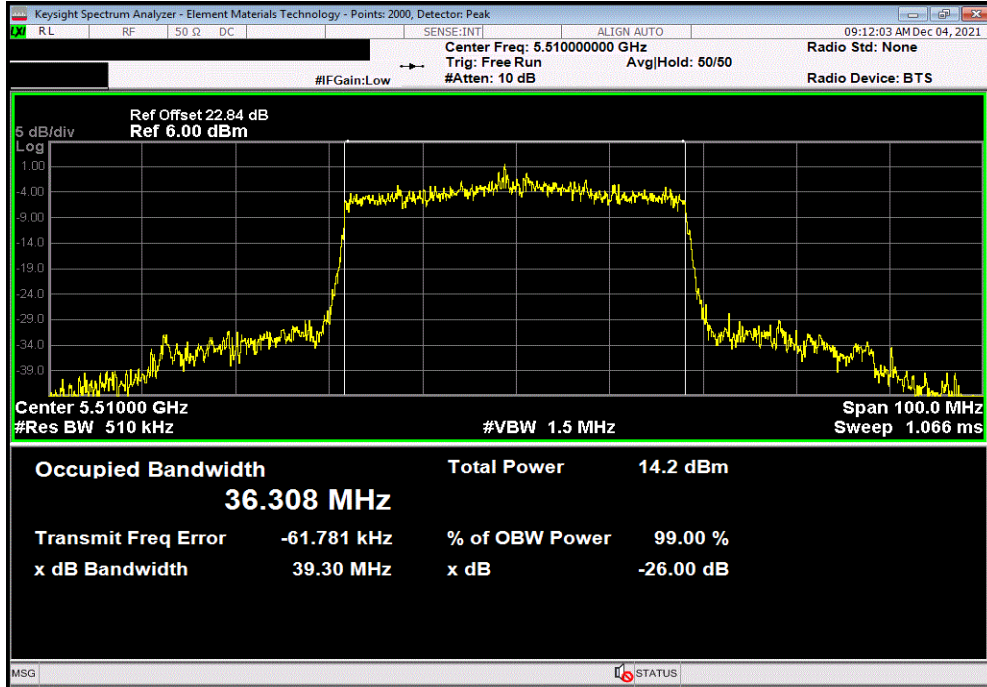


# EMISSION BANDWIDTH - 5.6 GHz BAND

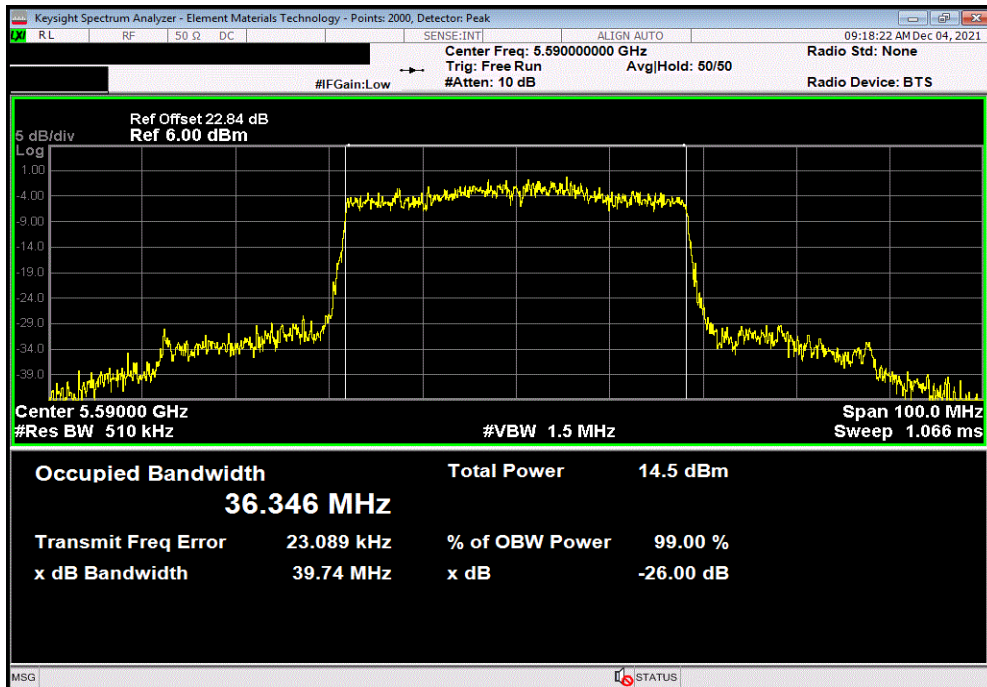


TuTx 2021.10.29.2 XMI 2020.12.30.0

40 MHz, 802.11(ac) MCS9 (256-QAM), Ch 100/104, Low Channel 5510 MHz						
			Value (%)	Value (dB)	Limit	Result
			36.308 MHz	39.301 MHz	N/A	N/A



40 MHz, 802.11(ac) MCS9 (256-QAM), Ch 116/120, Mid Channel 5590 MHz						
			Value (%)	Value (dB)	Limit	Result
			36.346 MHz	39.745 MHz	N/A	N/A

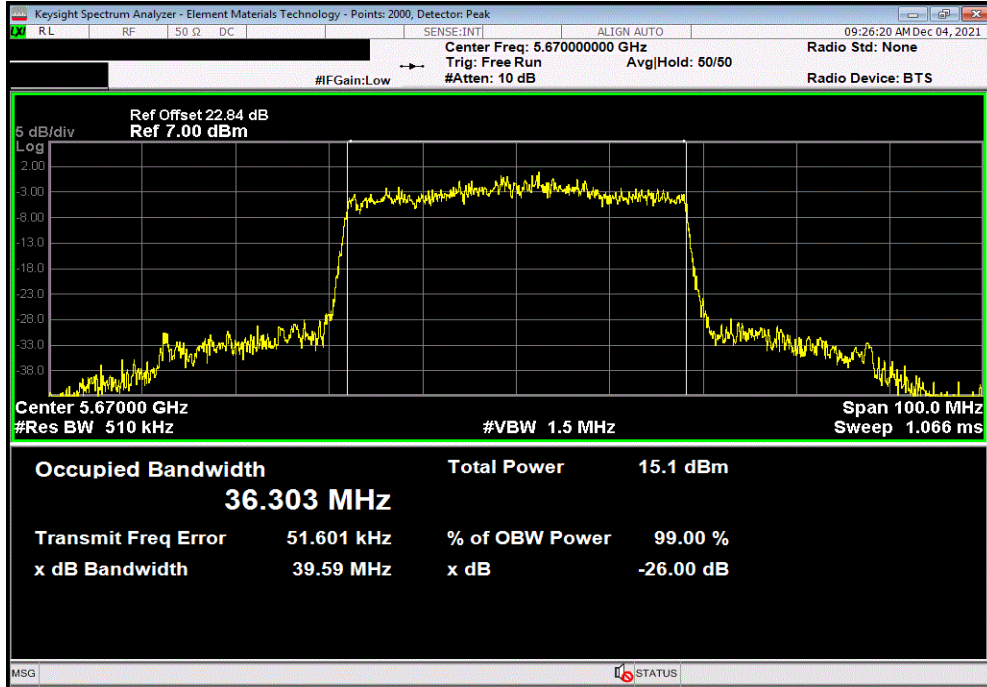


# EMISSION BANDWIDTH - 5.6 GHz BAND

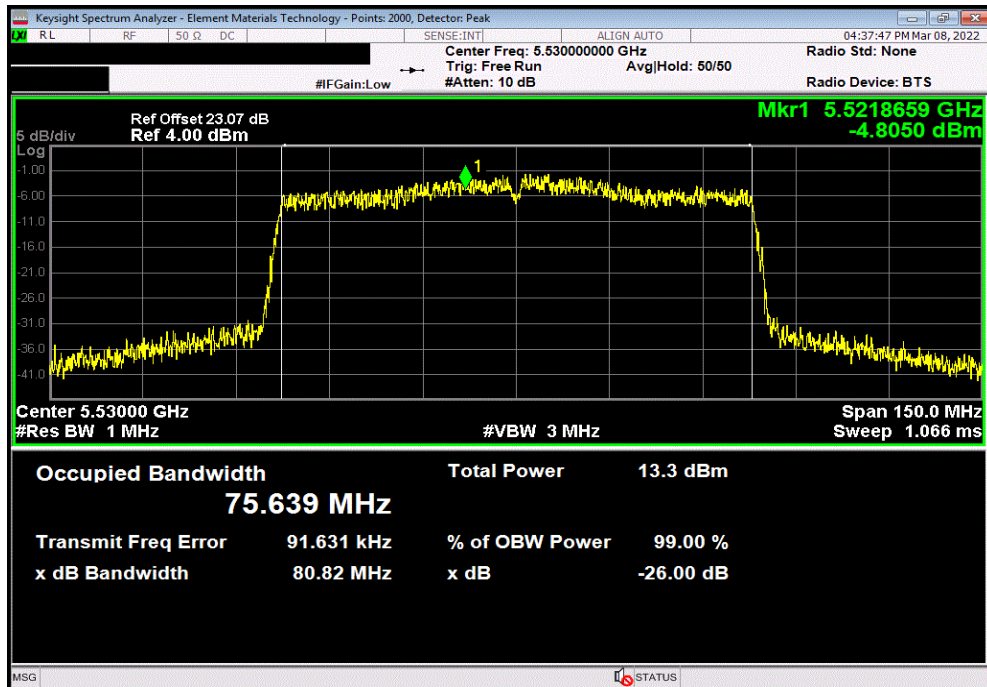


TuTx 2021.10.29.2 XMI 2020.12.30.0

40 MHz, 802.11(ac) MCS9 (256-QAM), Ch 132/136, High Channel 5670 MHz						
			Value (%)	Value (dB)	Limit	Result
			36.303 MHz	39.592 MHz	N/A	N/A



80 MHz, 802.11(ac) MCS0, Ch 100-112, Low Channel 5530 MHz						
			Value (%)	Value (dB)	Limit	Result
			75.639 MHz	80.82 MHz	N/A	N/A

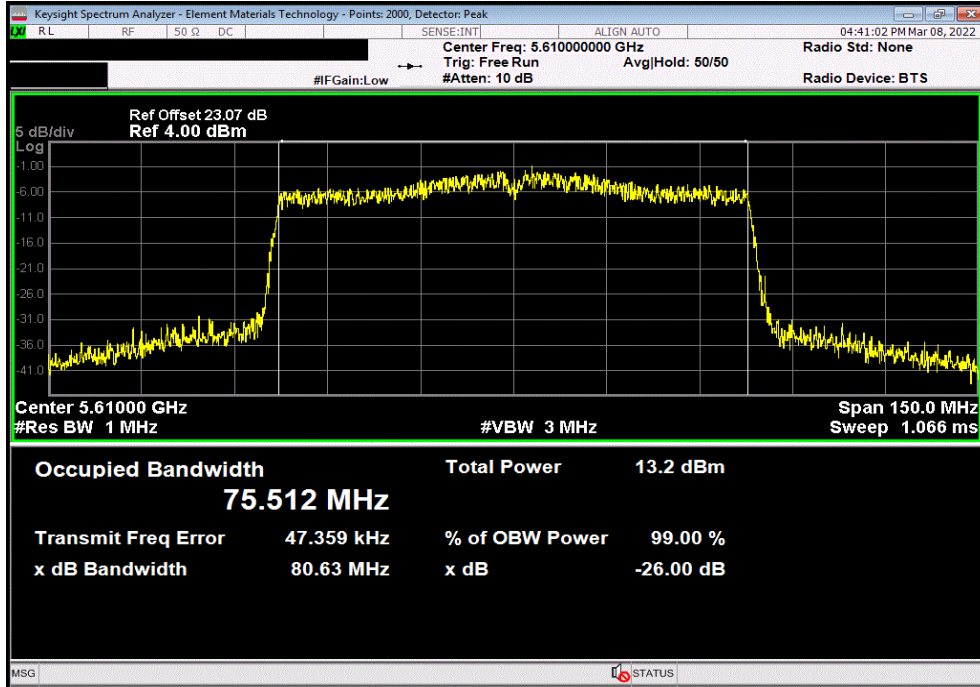


# EMISSION BANDWIDTH - 5.6 GHz BAND

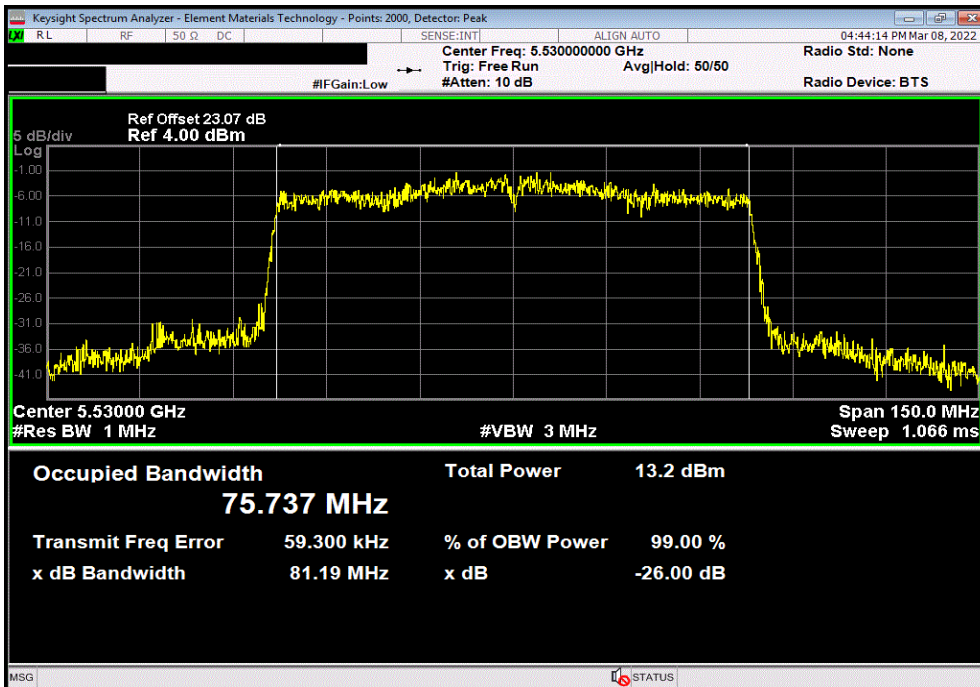


TuTx 2021.10.29.2 XMt 2020.12.30.0

80 MHz, 802.11(ac) MCS0, Ch 116-128, High Channel 5610 MHz						
			Value (%)	Value (dB)	Limit	Result
			75.512 MHz	80.63 MHz	N/A	N/A



80 MHz, 802.11(ac) MCS9 (256-QAM), Ch 100-112, Low Channel 5530 MHz						
			Value (%)	Value (dB)	Limit	Result
			75.737 MHz	81.19 MHz	N/A	N/A





# EMISSION BANDWIDTH - 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						
			Value (%)	Value (dB)	Limit	Result
			75.692 MHz	81.07 MHz	N/A	N/A

