

MAXIMUM CONDUCTED OUTPUT POWER - 5.3 GHz BAND



XMR 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
Power Supply - DC	Topward	TPS-2000	TPD	NCR	NCR
Generator - Signal	Keysight	N5182B	TFU	2020-11-20	2022-11-20
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 frequency was set to the required channels in each band. The transmit power was set to its default maximum. The radio was operated in the modes as shown in the following data sheets.

Prior to measuring maximum transmit power; the emission bandwidth (B) and the transmission pulse duration (T) were measured. The method of measuring the emission bandwidth and the associated data are found elsewhere in this test report. The transmission pulse duration (T) was measured using a zero span on the spectrum analyzer to see the pulses in the time domain.

The maximum conducted output power was measured using ANSI C63.10:2013, Clause 12.3.2.4, Method SA-2 (RMS detection and trace averaging across the on and off times of the EUT transmission and use of a duty cycle correction factor).

The spectrum analyzer settings were set per the guidance as well as the following specifics:

- RMS Detector
- Trace average 100 traces in power averaging mode.
- Power was integrated across "B", by using the channel power function of the analyzer.

A duty cycle correction factor was added to the measurement using the results of the formula of $10 \cdot \log(1/D)$ where D is the duty cycle.

MAXIMUM CONDUCTED OUTPUT POWER - 5.3 GHz BAND



TSTx 2021.03.19.1 XMR 2020.12.30.0

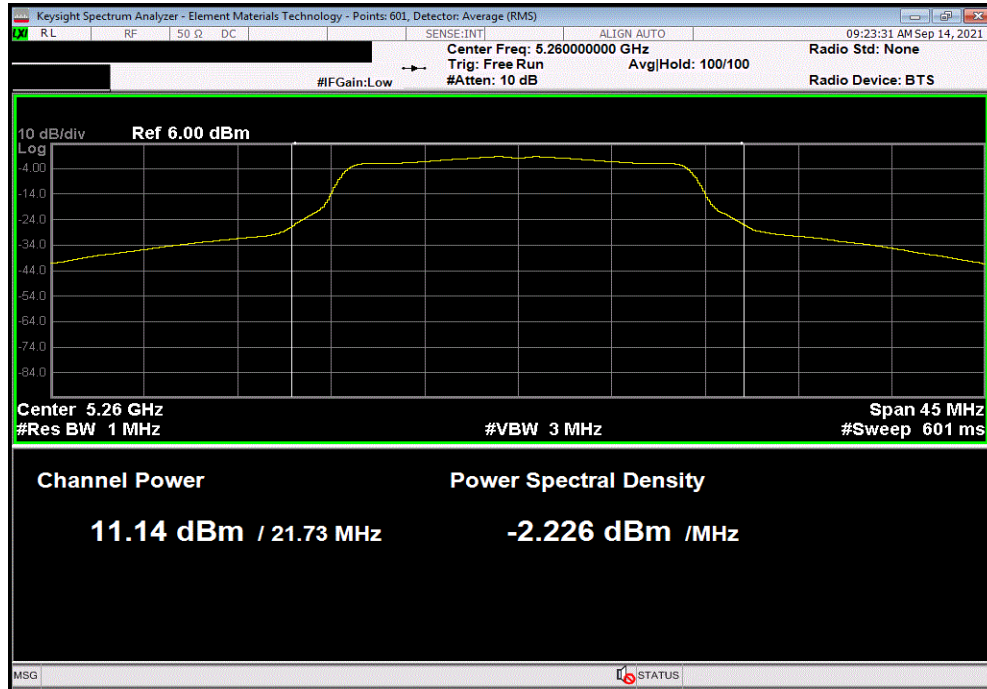
EUT: 43.0536.00		Work Order: A-DE0170				
Serial Number: SN001 00001		Date: 14-Sep-21				
Customer: A-dec, Inc.		Temperature: 22.9 °C				
Attendees: Ben Meadows		Humidity: 42.2% RH				
Project: None		Barometric Pres.: 1021 mbar				
Tested by: Jeff Alcock		Power: 3.3 VDC				
Job Site: EV06		TEST SPECIFICATIONS				
FCC 15.407:2021		Test Method				
		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 				
		Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result
5250 - 5350 MHz Band						
802.11(a) No HT						
Low Channel, Ch 52 - 5260 MHz						
	6 Mbps	11.144	0.1	11.2	24	Pass
	36 Mbps	10.816	0.3	11.1	24	Pass
	54 Mbps	10.695	0.5	11.2	24	Pass
Mid Channel, Ch 60 - 5300 MHz						
	6 Mbps	11.158	0.1	11.2	24	Pass
	36 Mbps	10.703	0.3	11	24	Pass
	54 Mbps	10.583	0.5	11	24	Pass
High Channel, Ch 64 - 5320 MHz						
	6 Mbps	10.764	0.1	10.8	24	Pass
	36 Mbps	10.474	0.3	10.8	24	Pass
	54 Mbps	10.415	0.5	10.9	24	Pass
802.11(n/ac) VHT20						
Low Channel, Ch 52 - 5260 MHz						
	MCS0	10.904	0.1	11	24	Pass
	MCS7	10.416	0.5	10.9	24	Pass
	MCS8 (256-QAM)	7.647	0.6	8.2	24	Pass
Mid Channel, Ch 60 - 5300 MHz						
	MCS0	10.778	0.1	10.8	24	Pass
	MCS7	10.411	0.5	10.9	24	Pass
	MCS8 (256-QAM)	7.688	0.6	8.2	24	Pass
High Channel, Ch 64 - 5320 MHz						
	MCS0	10.513	0.1	10.6	24	Pass
	MCS7	10.172	0.5	10.7	24	Pass
	MCS8 (256-QAM)	7.297	0.6	7.9	24	Pass
802.11(n/ac) VHT40						
Low Channel, Ch 52/56 - 5270 MHz						
	MCS0	6.787	0.1	6.9	24	Pass
	MCS7	6.18	0.7	6.9	24	Pass
	MCS9 (256-QAM)	6.827	0.8	7.6	24	Pass
High Channel, Ch 60/64 - 5310 MHz						
	MCS0	6.673	0.1	6.8	24	Pass
	MCS7	5.982	0.7	6.7	24	Pass
	MCS9 (256-QAM)	6.698	0.8	7.5	24	Pass
802.11(n/ac) VHT80						
Low Channel, Ch 52-64 - 5290 MHz						
	MCS0	5.709	0.2	5.9	24	Pass
	MCS9 (256-QAM)	4.671	1.1	5.7	24	Pass

MAXIMUM CONDUCTED OUTPUT POWER - 5.3 GHz BAND

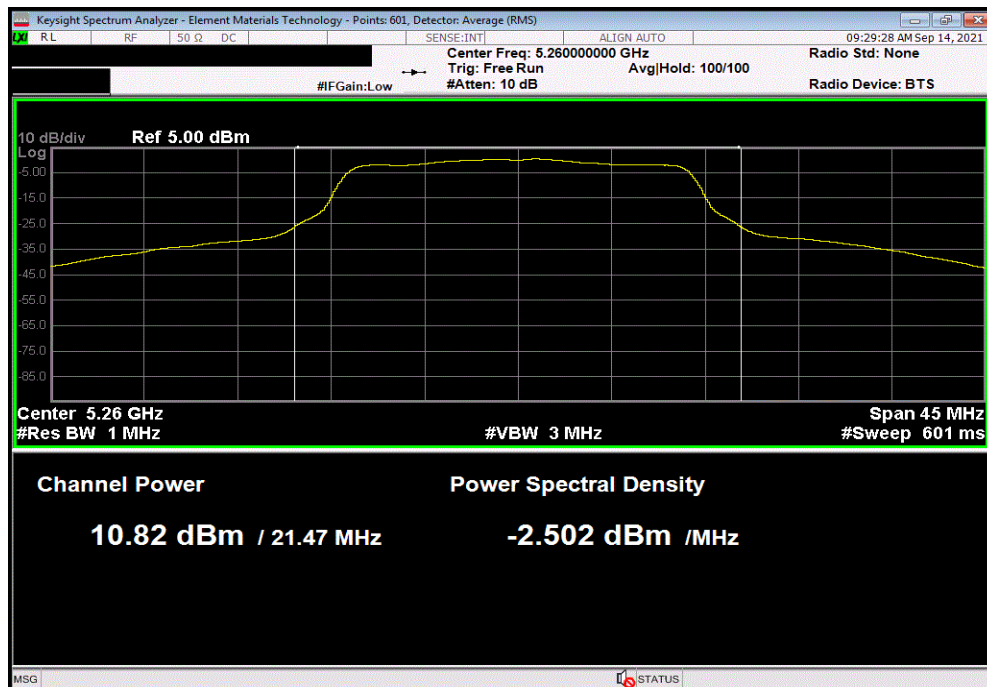


TbTx 2021.03.19.1 XMt 2020.12.30.0

5250 - 5350 MHz Band, 802.11(a) No HT, Low Channel, Ch 52 - 5260 MHz, 6 Mbps						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result	
	11.144	0.1	11.2	24	Pass	



5250 - 5350 MHz Band, 802.11(a) No HT, Low Channel, Ch 52 - 5260 MHz, 36 Mbps						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result	
	10.816	0.3	11.1	24	Pass	

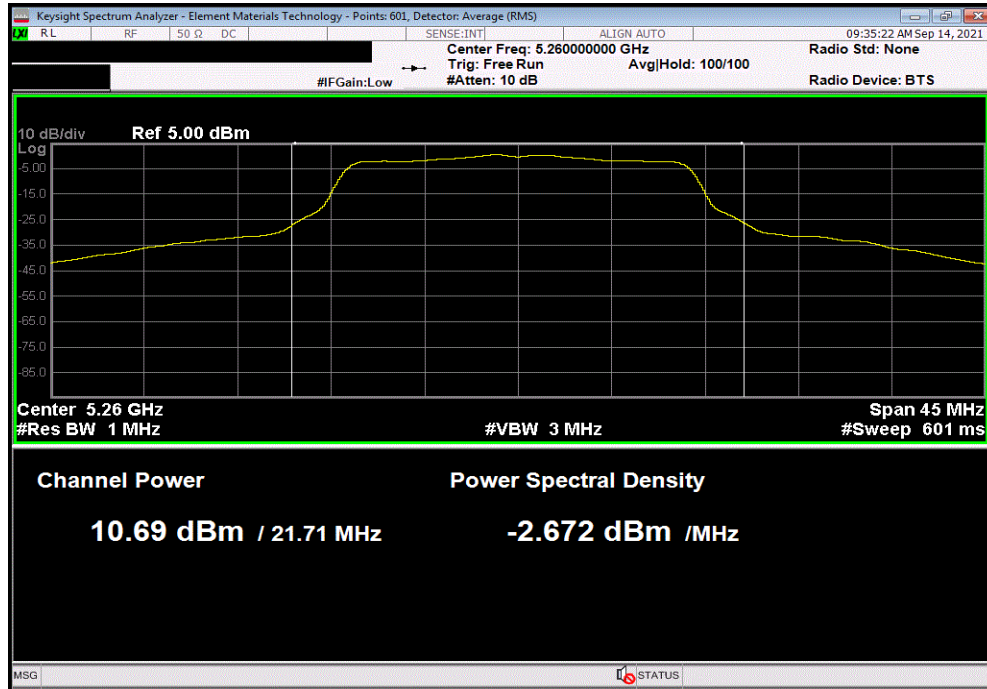


MAXIMUM CONDUCTED OUTPUT POWER - 5.3 GHz BAND

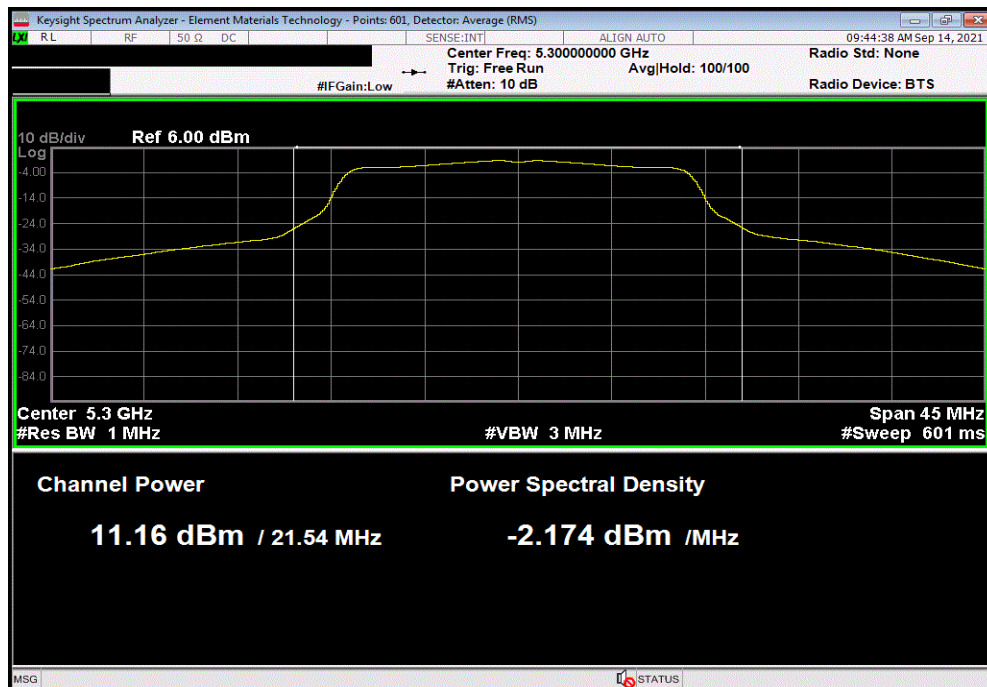


TbTx 2021.03.19.1 XMt 2020.12.30.0

5250 - 5350 MHz Band, 802.11(a) No HT, Low Channel, Ch 52 - 5260 MHz, 54 Mbps						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result	
	10.695	0.5	11.2	24	Pass	



5250 - 5350 MHz Band, 802.11(a) No HT, Mid Channel, Ch 60 - 5300 MHz, 6 Mbps						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result	
	11.158	0.1	11.2	24	Pass	

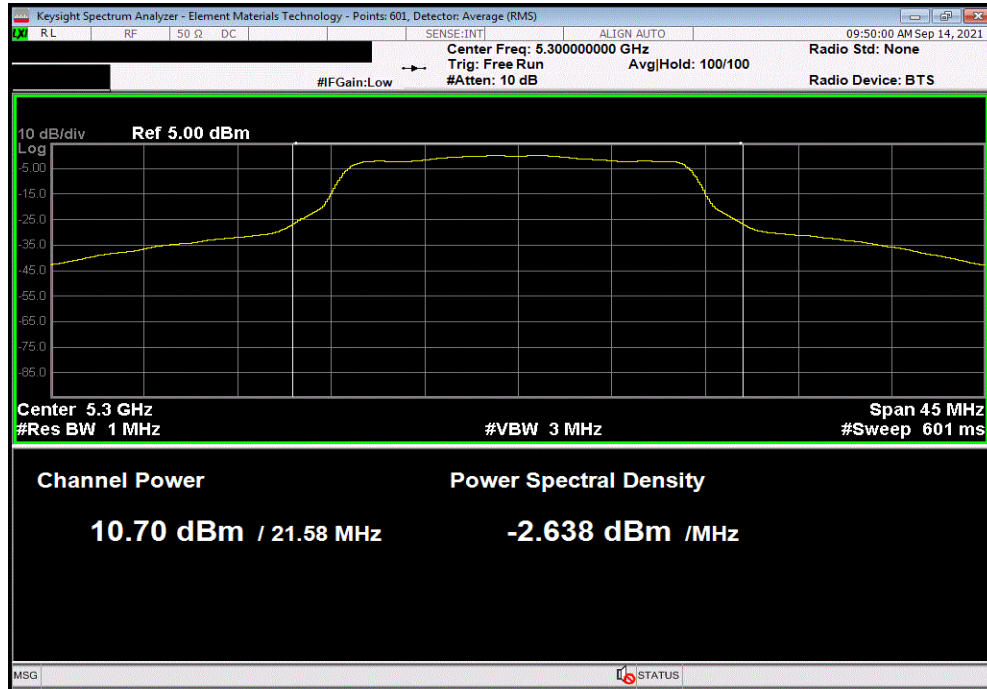


MAXIMUM CONDUCTED OUTPUT POWER - 5.3 GHz BAND

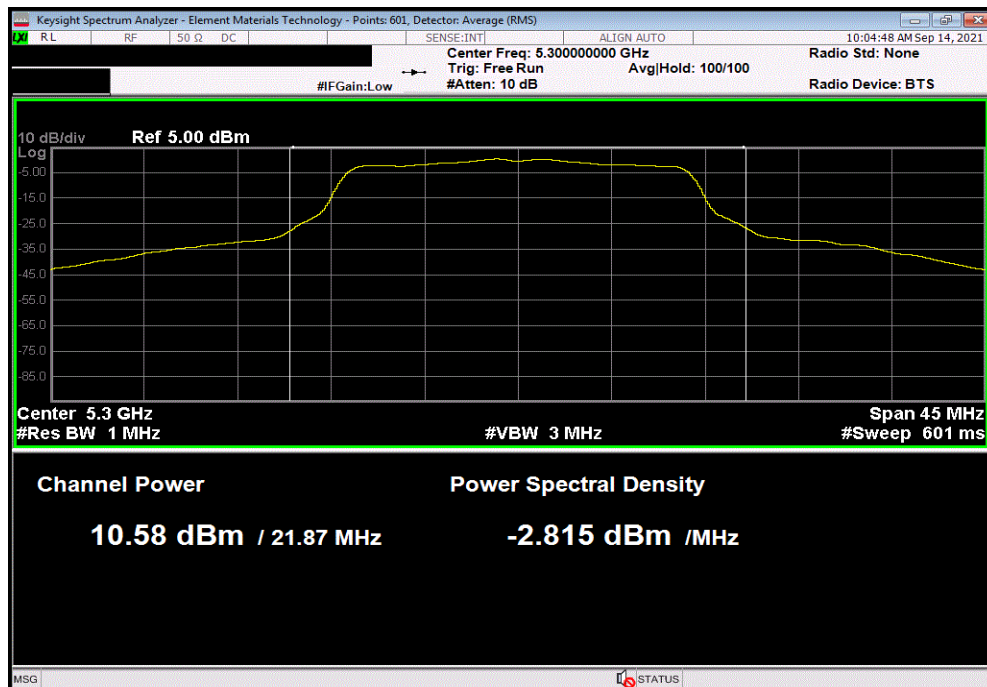


TbTx 2021.03.19.1 XMt 2020.12.30.0

5250 - 5350 MHz Band, 802.11(a) No HT, Mid Channel, Ch 60 - 5300 MHz, 36 Mbps						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result	
	10.703	0.3	11	24	Pass	



5250 - 5350 MHz Band, 802.11(a) No HT, Mid Channel, Ch 60 - 5300 MHz, 54 Mbps						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result	
	10.583	0.5	11	24	Pass	

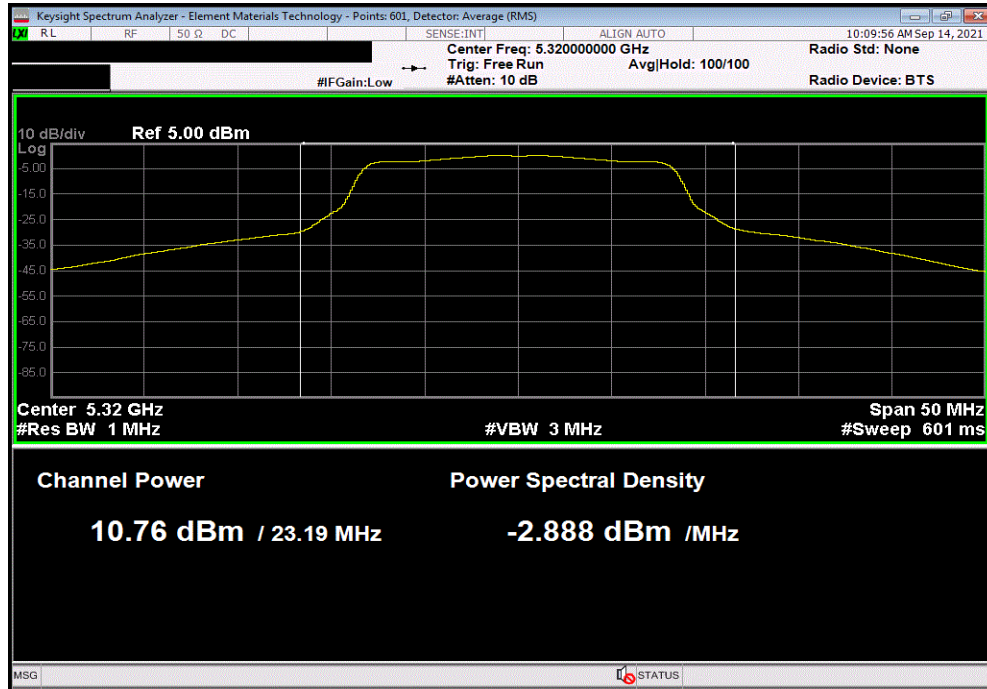


MAXIMUM CONDUCTED OUTPUT POWER - 5.3 GHz BAND

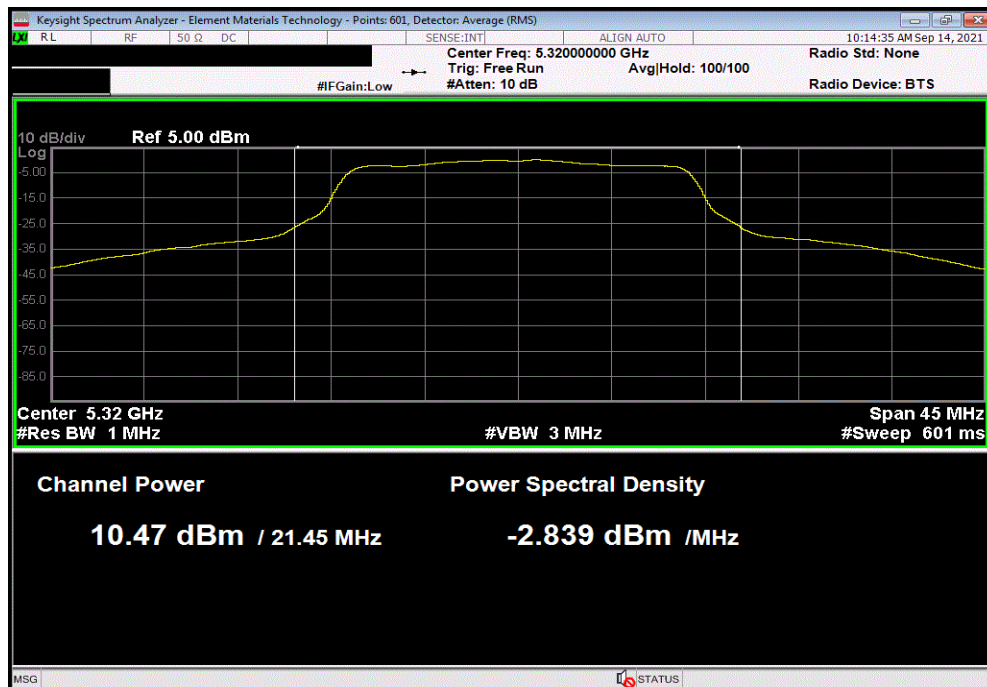


TbTx 2021.03.19.1 XMt 2020.12.30.0

5250 - 5350 MHz Band, 802.11(a) No HT, High Channel, Ch 64 - 5320 MHz, 6 Mbps						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result	
	10.764	0.1	10.8	24	Pass	



5250 - 5350 MHz Band, 802.11(a) No HT, High Channel, Ch 64 - 5320 MHz, 36 Mbps						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result	
	10.474	0.3	10.8	24	Pass	

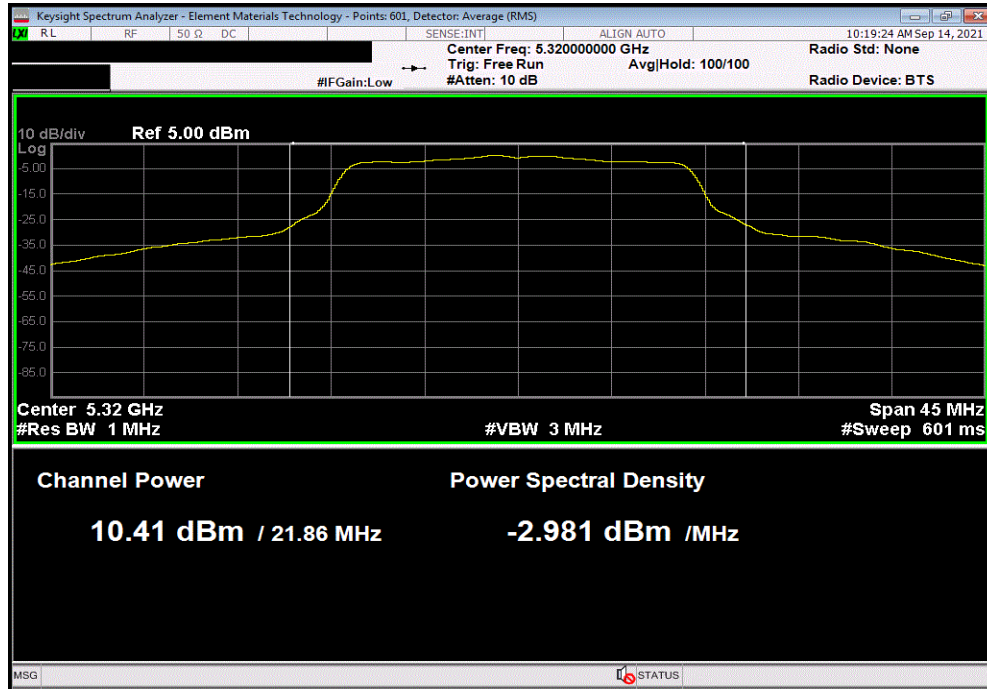


MAXIMUM CONDUCTED OUTPUT POWER - 5.3 GHz BAND

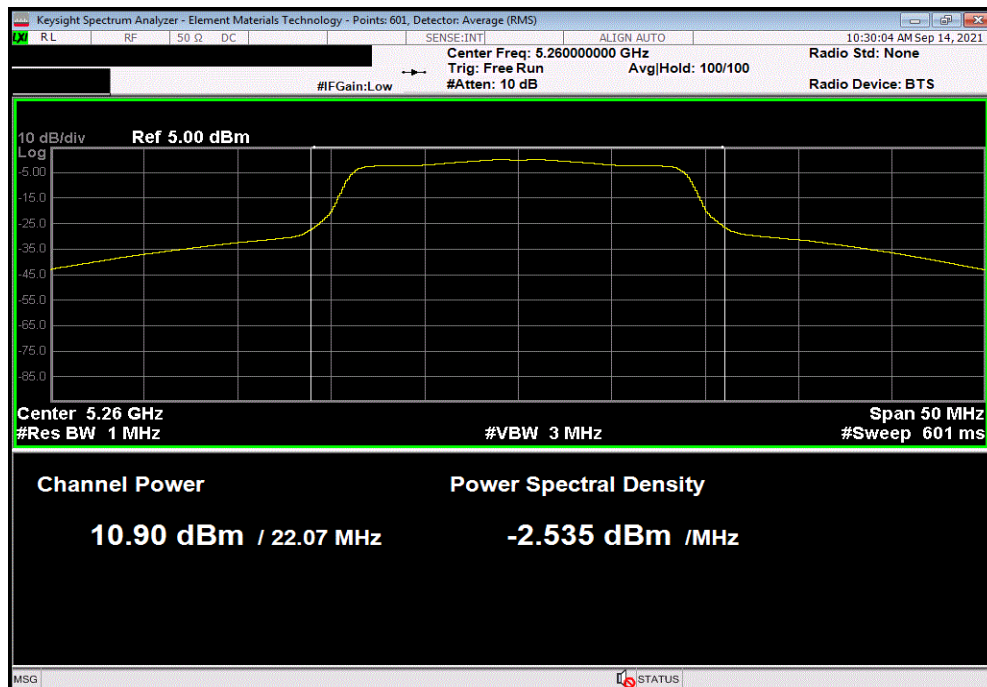


TbTx 2021.03.19.1 XMt 2020.12.30.0

5250 - 5350 MHz Band, 802.11(a) No HT, High Channel, Ch 64 - 5320 MHz, 54 Mbps						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result	
	10.415	0.5	10.9	24	Pass	



5250 - 5350 MHz Band, 802.11(n/ac) VHT20, Low Channel, Ch 52 - 5260 MHz, MCS0						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result	
	10.904	0.1	11	24	Pass	

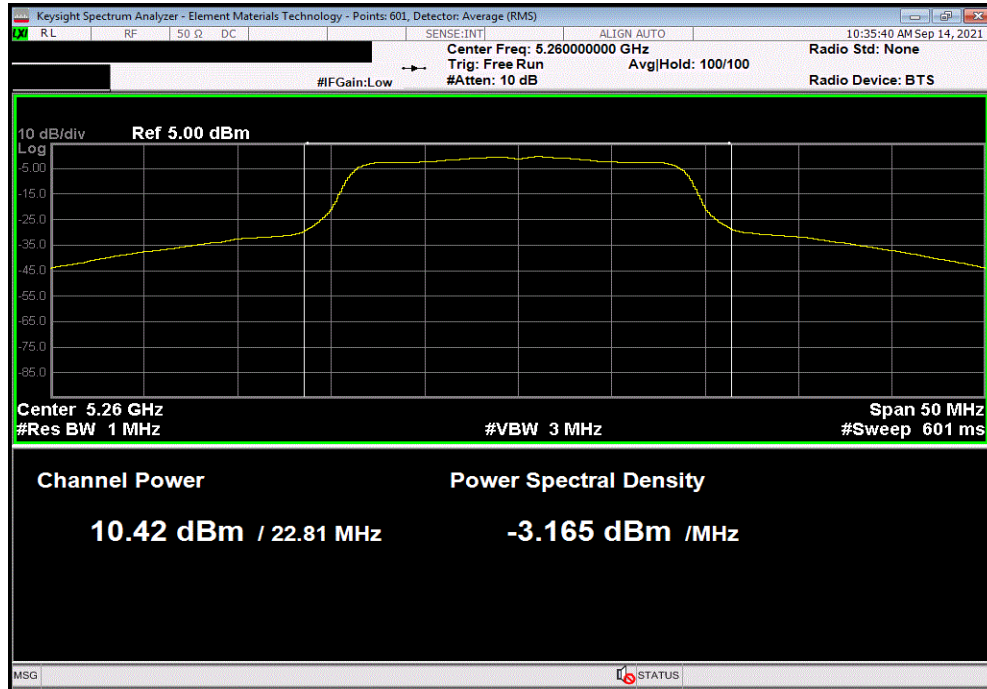


MAXIMUM CONDUCTED OUTPUT POWER - 5.3 GHz BAND

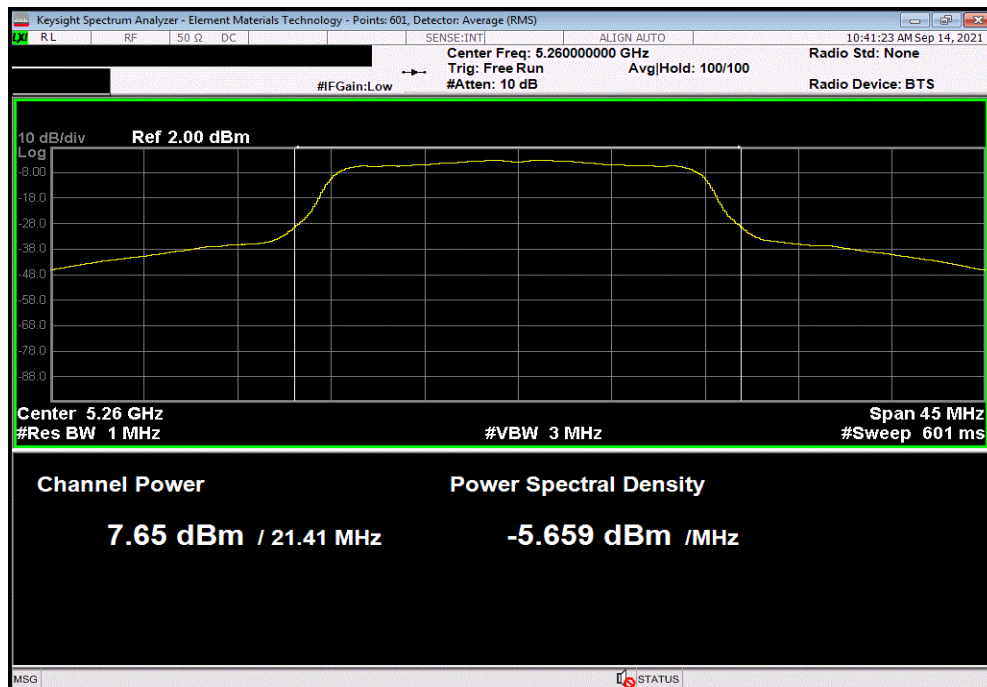


TbTx 2021.03.19.1 XMt 2020.12.30.0

5250 - 5350 MHz Band, 802.11(n/ac) VHT20, Low Channel, Ch 52 - 5260 MHz, MCS7						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result	
	10.416	0.5	10.9	24	Pass	



5250 - 5350 MHz Band, 802.11(n/ac) VHT20, Low Channel, Ch 52 - 5260 MHz, MCS8 (256-QAM)						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result	
	7.647	0.6	8.2	24	Pass	

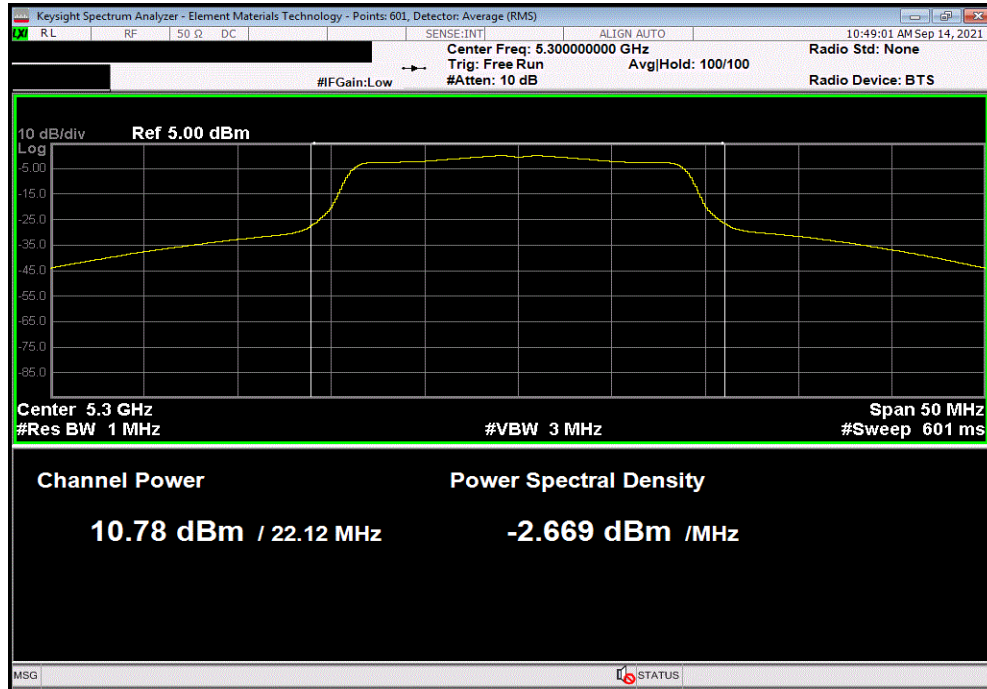


MAXIMUM CONDUCTED OUTPUT POWER - 5.3 GHz BAND

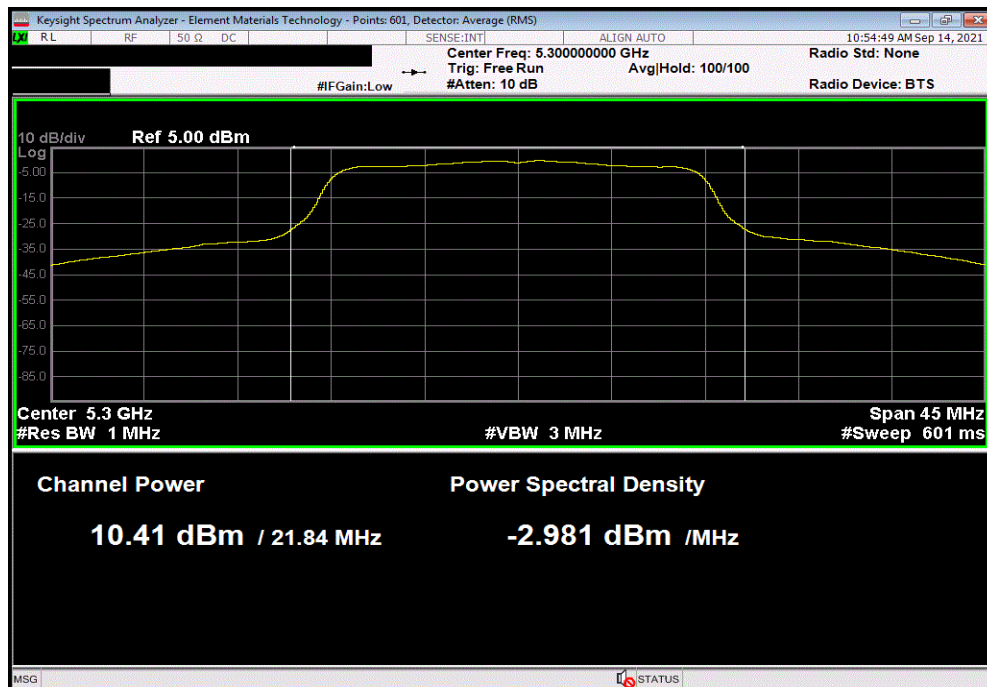


TbTx 2021.03.19.1 XMt 2020.12.30.0

5250 - 5350 MHz Band, 802.11(n/ac) VHT20, Mid Channel, Ch 60 - 5300 MHz, MCS0						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result	
	10.778	0.1	10.8	24	Pass	



5250 - 5350 MHz Band, 802.11(n/ac) VHT20, Mid Channel, Ch 60 - 5300 MHz, MCS7						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result	
	10.411	0.5	10.9	24	Pass	

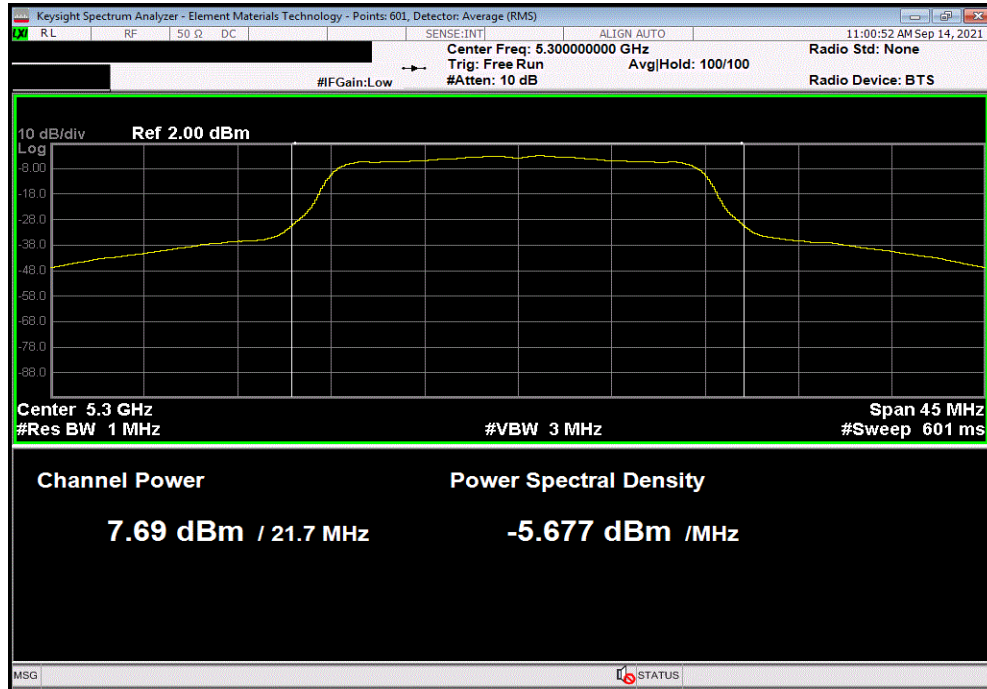


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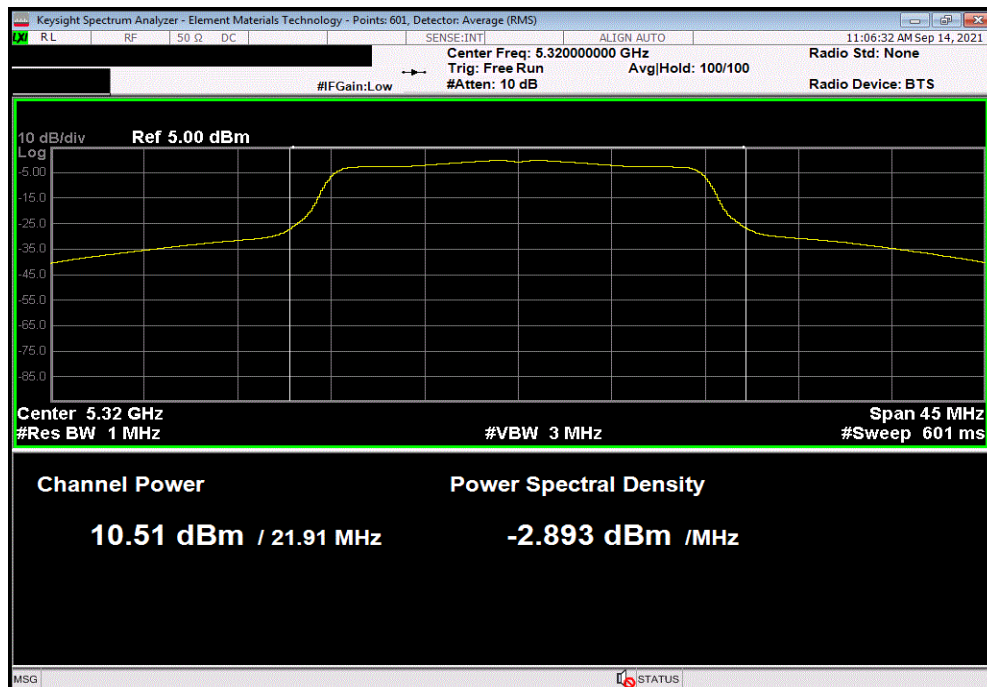


TbTx 2021.03.19.1 XMt 2020.12.30.0

5250 - 5350 MHz Band, 802.11(n/ac) VHT20, Mid Channel, Ch 60 - 5300 MHz, MCS8 (256-QAM)						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result	
	7.688	0.6	8.2	24	Pass	



5250 - 5350 MHz Band, 802.11(n/ac) VHT20, High Channel, Ch 64 - 5320 MHz, MCS0						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result	
	10.513	0.1	10.6	24	Pass	

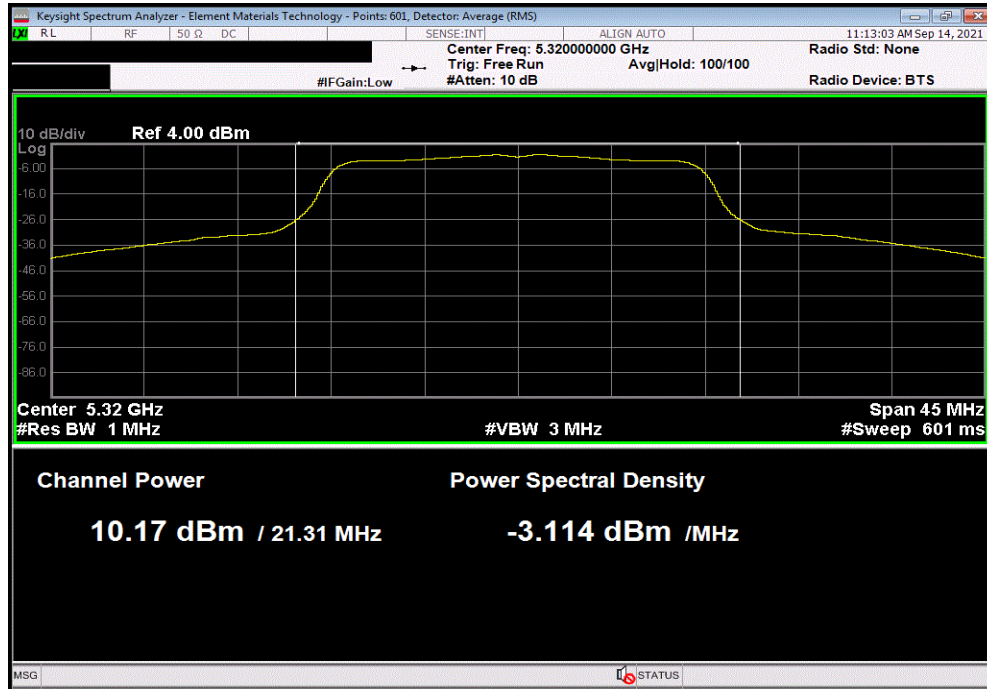


MAXIMUM CONDUCTED OUTPUT POWER - 5.3 GHz BAND

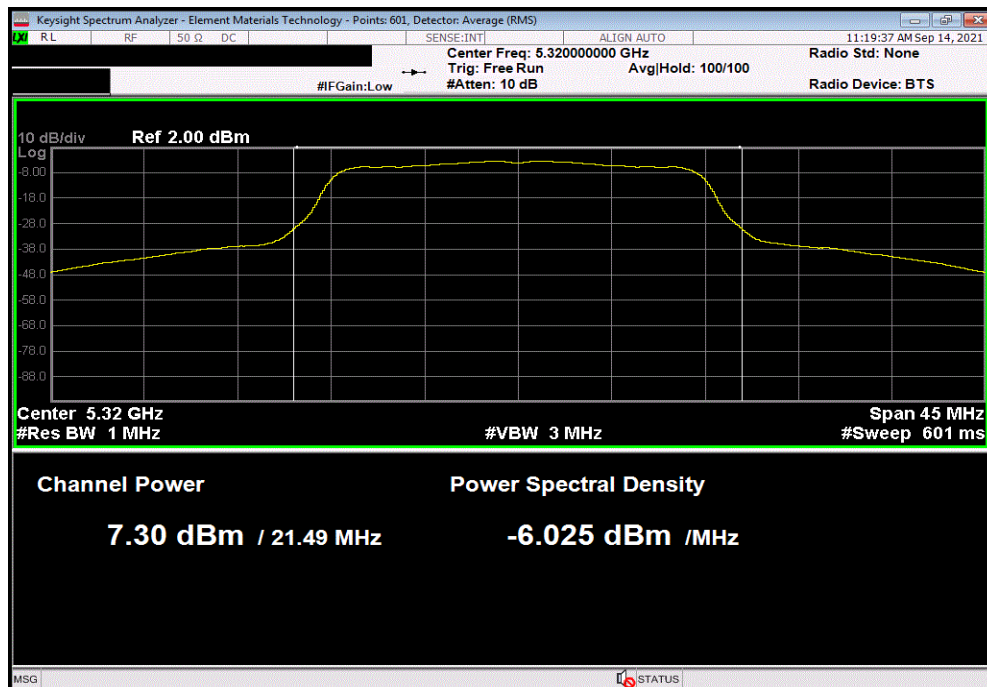


TbTx 2021.03.19.1 XMt 2020.12.30.0

5250 - 5350 MHz Band, 802.11(n/ac) VHT20, High Channel, Ch 64 - 5320 MHz, MCS7						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result	
	10.172	0.5	10.7	24	Pass	



5250 - 5350 MHz Band, 802.11(n/ac) VHT20, High Channel, Ch 64 - 5320 MHz, MCS8 (256-QAM)						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result	
	7.297	0.6	7.9	24	Pass	

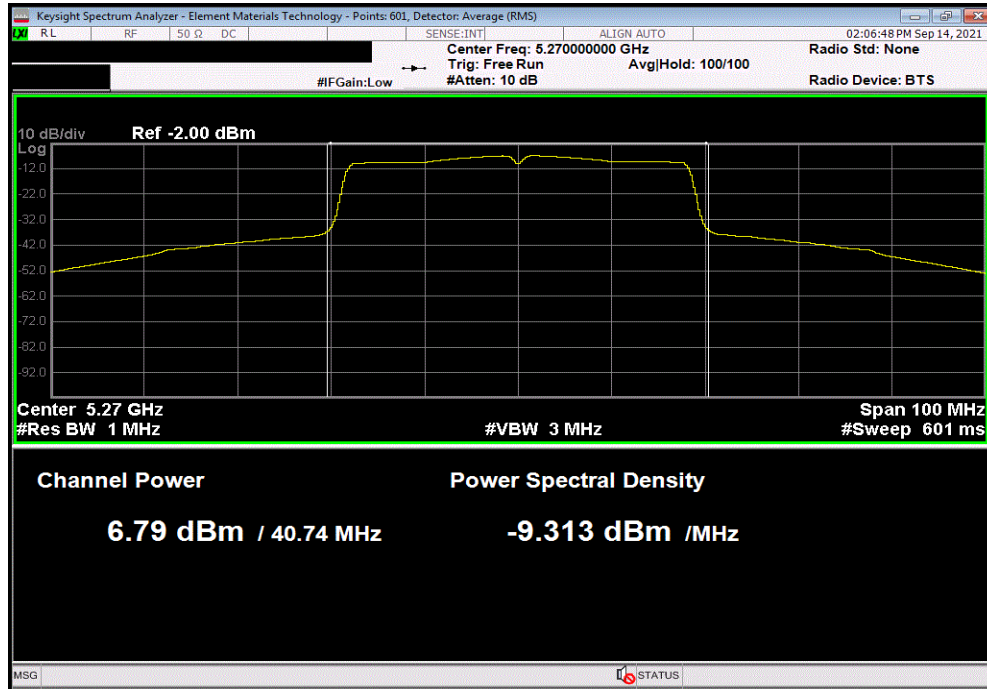


MAXIMUM CONDUCTED OUTPUT POWER - 5.3 GHz BAND

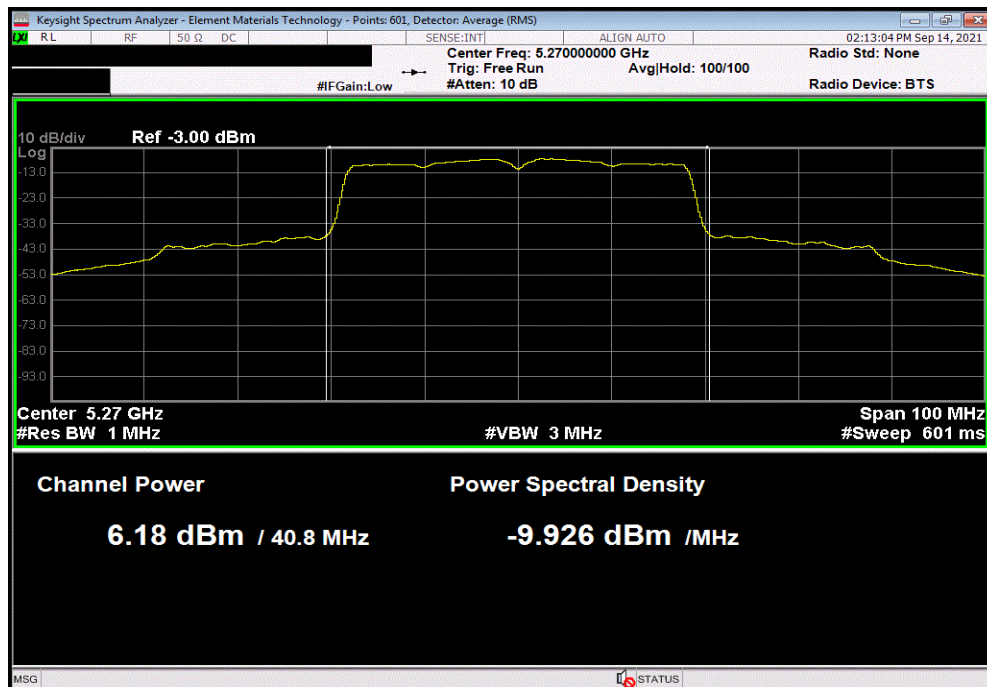


TbTx 2021.03.19.1 XMt 2020.12.30.0

5250 - 5350 MHz Band, 802.11(n/ac) VHT40, Low Channel, Ch 52/56 - 5270 MHz, MCS0						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result	
	6.787	0.1	6.9	24	Pass	



5250 - 5350 MHz Band, 802.11(n/ac) VHT40, Low Channel, Ch 52/56 - 5270 MHz, MCS7						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result	
	6.18	0.7	6.9	24	Pass	

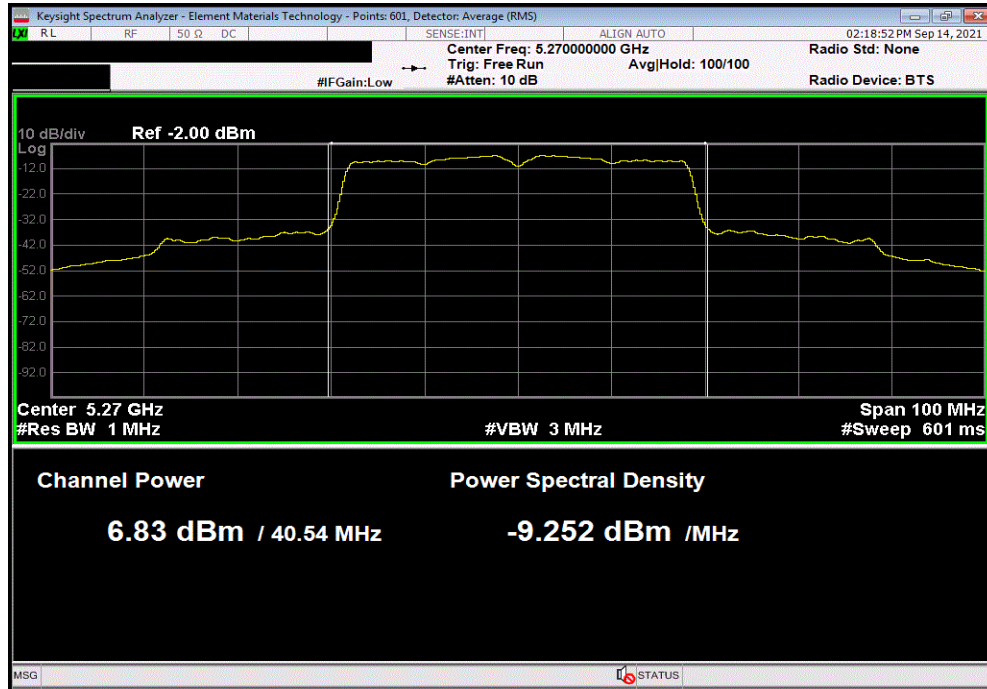


MAXIMUM CONDUCTED OUTPUT POWER - 5.3 GHz BAND

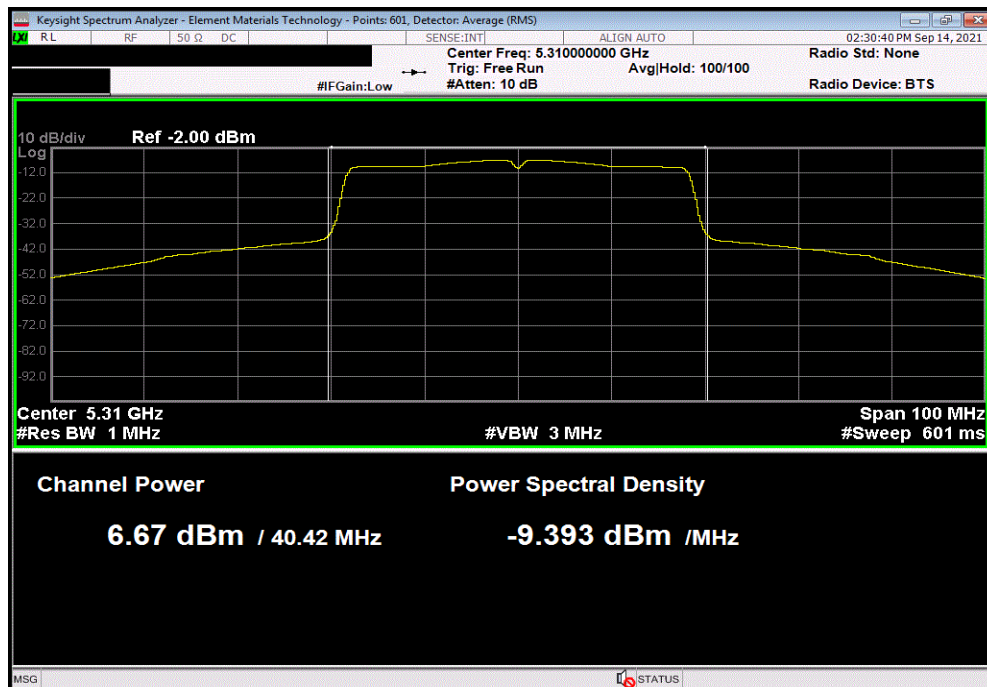


TbTx 2021.03.19.1 XMt 2020.12.30.0

5250 - 5350 MHz Band, 802.11(n/ac) VHT40, Low Channel, Ch 52/56 - 5270 MHz, MCS9 (256-QAM)						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result	
	6.827	0.8	7.6	24	Pass	



5250 - 5350 MHz Band, 802.11(n/ac) VHT40, High Channel, Ch 60/64 - 5310 MHz, MCS9						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result	
	6.673	0.1	6.8	24	Pass	

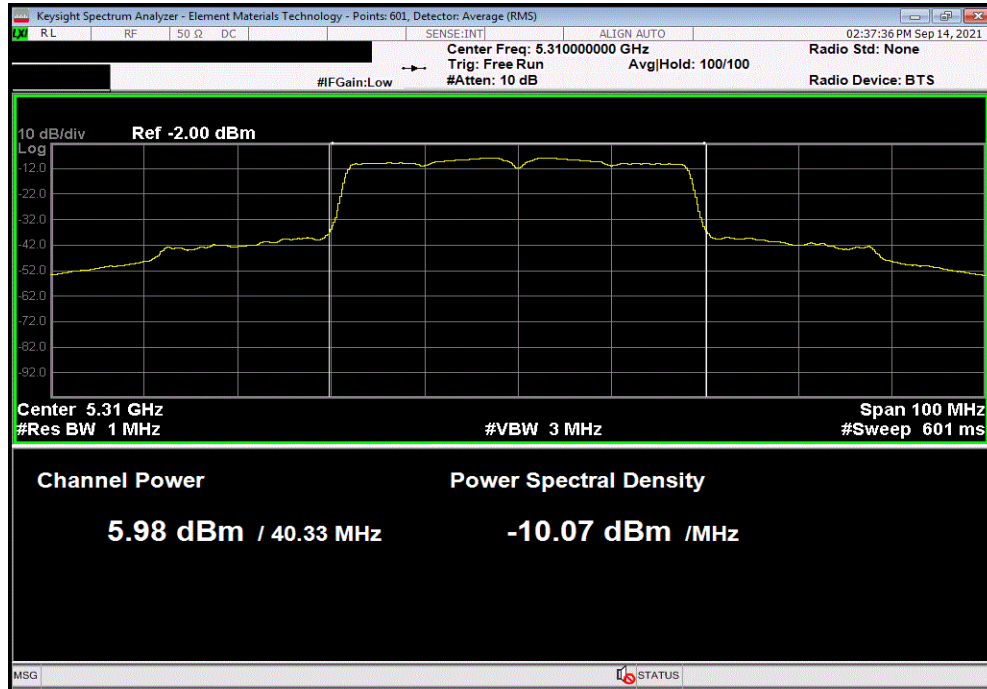


MAXIMUM CONDUCTED OUTPUT POWER - 5.3 GHz BAND

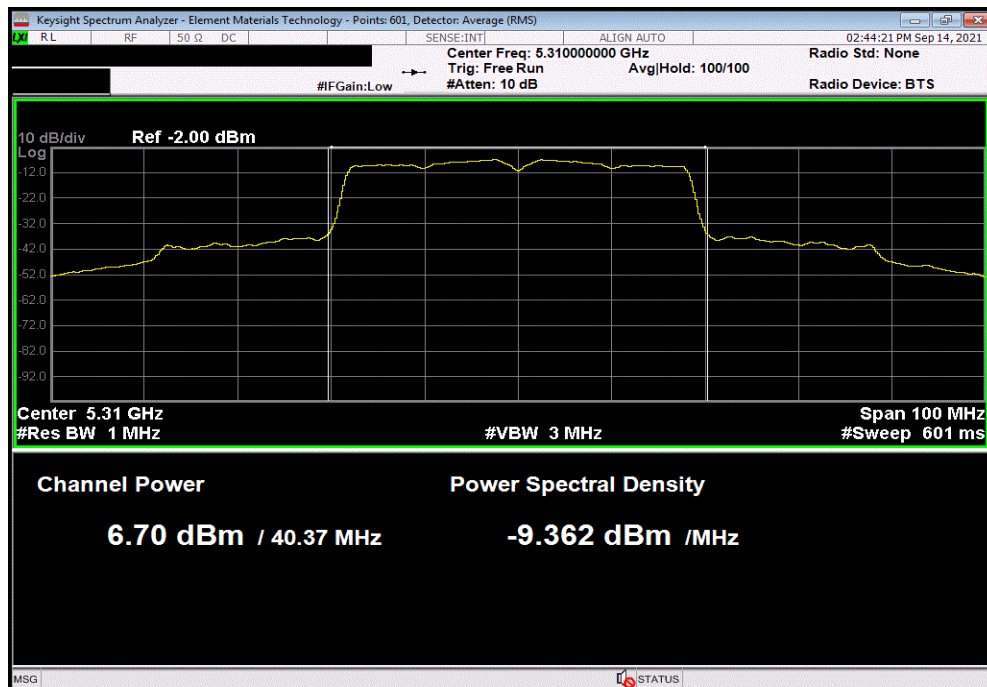


TbTx 2021.03.19.1 XMt 2020.12.30.0

5250 - 5350 MHz Band, 802.11(n/ac) VHT40, High Channel, Ch 60/64 - 5310 MHz, MCS7						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result	
	5.982	0.7	6.7	24	Pass	



5250 - 5350 MHz Band, 802.11(n/ac) VHT40, High Channel, Ch 60/64 - 5310 MHz, MCS9 (256-QAM)						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result	
	6.698	0.8	7.5	24	Pass	

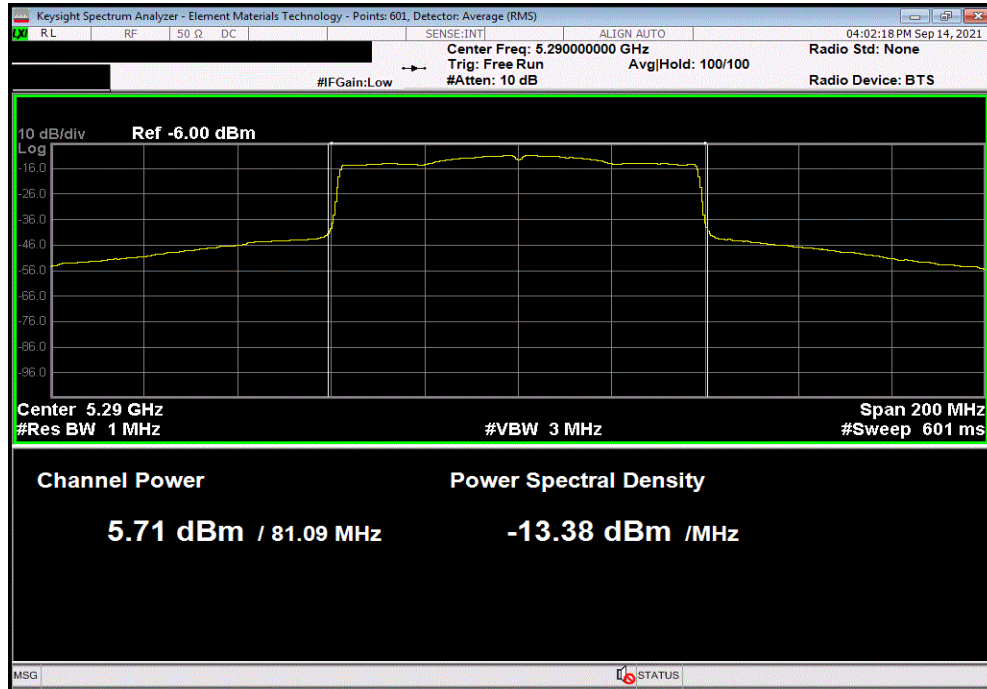


MAXIMUM CONDUCTED OUTPUT POWER - 5.3 GHz BAND

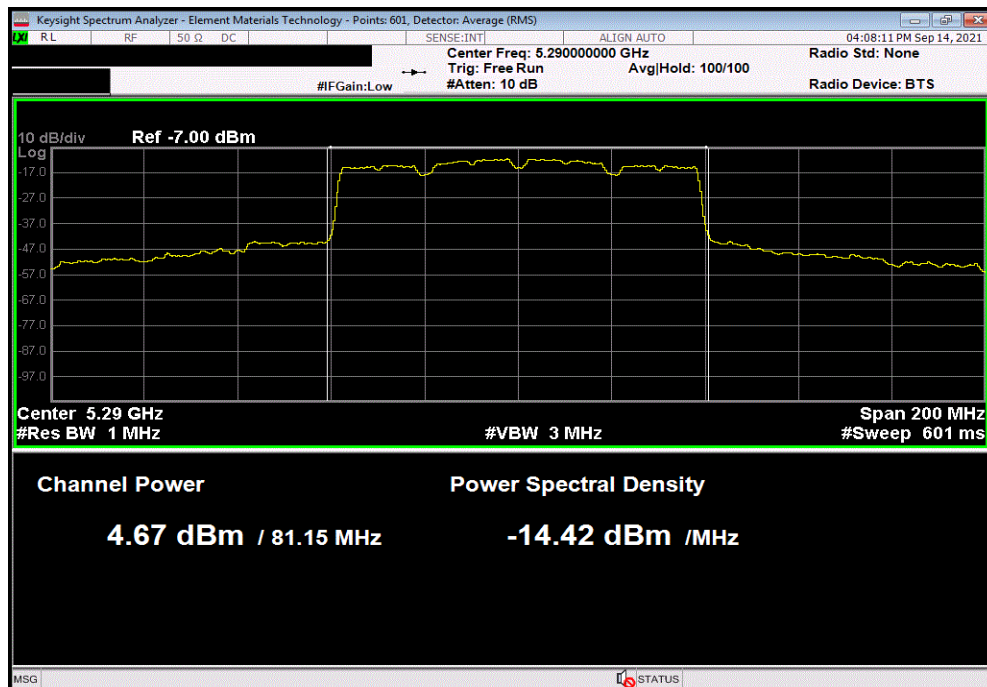


TbTx 2021.03.19.1 XMt 2020.12.30.0

5250 - 5350 MHz Band, 802.11(n/ac) VHT80, Low Channel, Ch 52-64 - 5290 MHz, MCS0						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result	
	5.709	0.2	5.9	24	Pass	



5250 - 5350 MHz Band, 802.11(n/ac) VHT80, Low Channel, Ch 52-64 - 5290 MHz, MCS9 (256-QAM)						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result	
	4.671	1.1	5.7	24	Pass	



MAXIMUM CONDUCTED OUTPUT POWER - 5.6 GHz BAND



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
Power Supply - DC	Topward	TPS-2000	TPD	NCR	NCR
Generator - Signal	Keysight	N5182B	TFU	2020-11-20	2022-11-20
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 frequency was set to the required channels in each band. The transmit power was set to its default maximum. The radio was operated in the modes as shown in the following data sheets.

Prior to measuring maximum transmit power; the emission bandwidth (B) and the transmission pulse duration (T) were measured. The method of measuring the emission bandwidth and the associated data are found elsewhere in this test report. The transmission pulse duration (T) was measured using a zero span on the spectrum analyzer to see the pulses in the time domain.

The maximum conducted output power was measured using ANSI C63.10:2013, Clause 12.3.2.4, Method SA-2 (RMS detection and trace averaging across the on and off times of the EUT transmission and use of a duty cycle correction factor).

The spectrum analyzer settings were set per the guidance as well as the following specifics:

- RMS Detector
- Trace average 100 traces in power averaging mode.
- Power was integrated across "B", by using the channel power function of the analyzer.

A duty cycle correction factor was added to the measurement using the results of the formula of $10 \cdot \text{LOG}(1/D)$ where D is the duty cycle.

MAXIMUM CONDUCTED OUTPUT POWER - 5.6 GHz BAND



TSTx 2021.03.19.1 XMR 2020.12.30.0

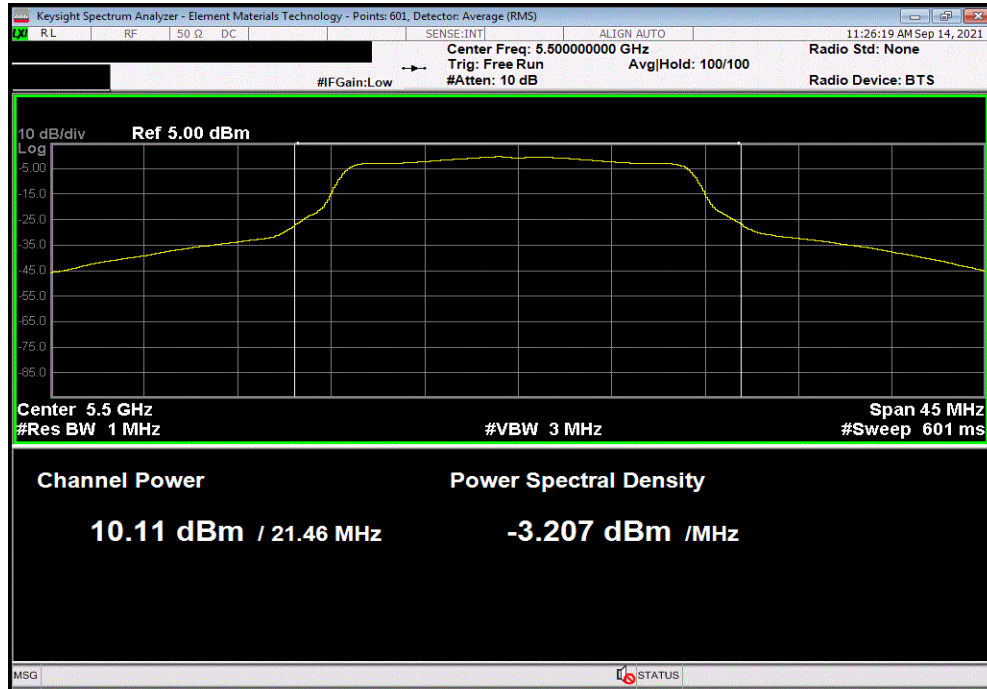
EUT: 43.0536.00		Work Order: A-DE0170				
Serial Number: SN001 00001		Date: 14-Sep-21				
Customer: A-dec, Inc.		Temperature: 23.1 °C				
Attendees: Ben Meadows		Humidity: 42.8% RH				
Project: None		Barometric Pres.: 1021 mbar				
Tested by: Jeff Alcoke		Power: 3.3 VDC				
Job Site: EV06						
TEST 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 				
		Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result
5470 - 5725 MHz Band						
802.11(a) No HT						
Low Channel, Ch 100 - 5500 MHz						
	6 Mbps	10.109	0.1	10.2	24	Pass
	36 Mbps	9.855	0.3	10.2	24	Pass
	54 Mbps	9.798	0.5	10.3	24	Pass
Mid Channel, Ch 116 - 5580 MHz						
	6 Mbps	9.978	0.1	10	24	Pass
	36 Mbps	9.616	0.3	9.9	24	Pass
	54 Mbps	9.521	0.5	10	24	Pass
High Channel, Ch 140 - 5700 MHz						
	6 Mbps	9.944	0.1	10	24	Pass
	36 Mbps	9.639	0.3	10	24	Pass
	54 Mbps	9.505	0.5	10	24	Pass
802.11(n/ac) VHT20						
Low Channel, Ch 100 - 5500 MHz						
	MCS0	9.937	0.1	10	24	Pass
	MCS7	9.601	0.5	10.1	24	Pass
	MCS8 (256-QAM)	6.967	0.6	7.5	24	Pass
Mid Channel, Ch 116 - 5580 MHz						
	MCS0	9.802	0.1	9.9	24	Pass
	MCS7	9.363	0.5	9.9	24	Pass
	MCS8 (256-QAM)	6.506	0.6	7.1	24	Pass
High Channel, Ch 140 - 5700 MHz						
	MCS0	9.655	0.1	9.7	24	Pass
	MCS7	9.295	0.5	9.8	24	Pass
	MCS8 (256-QAM)	6.561	0.5	7.1	24	Pass
802.11(n/ac) VHT40						
Low Channel, Ch 100/104 - 5510 MHz						
	MCS0	5.85	0.1	6	24	Pass
	MCS7	5.127	0.7	5.8	24	Pass
	MCS9 (256-QAM)	5.927	0.8	6.8	24	Pass
Mid Channel, Ch 108/112 - 5550 MHz						
	MCS0	5.927	0.1	6.1	24	Pass
	MCS7	5.21	0.7	5.9	24	Pass
	MCS9 (256-QAM)	5.96	0.9	6.8	24	Pass
High Channel, Ch 132/136 - 5670 MHz						
	MCS0	5.818	0.1	5.9	24	Pass
	MCS7	4.929	0.7	5.7	24	Pass
	MCS9 (256-QAM)	5.913	0.8	6.7	24	Pass
802.11(n/ac) VHT80						
Low Channel, Ch 100-112 - 5530 MHz						
	MCS0	4.622	0.2	4.9	24	Pass
	MCS9 (256-QAM)	3.787	1.1	4.9	24	Pass
High Channel, Ch 116-128 - 5610 MHz						
	MCS0	4.561	0.2	4.8	24	Pass
	MCS9 (256-QAM)	3.636	1.1	4.7	24	Pass

MAXIMUM CONDUCTED OUTPUT POWER - 5.6 GHz BAND

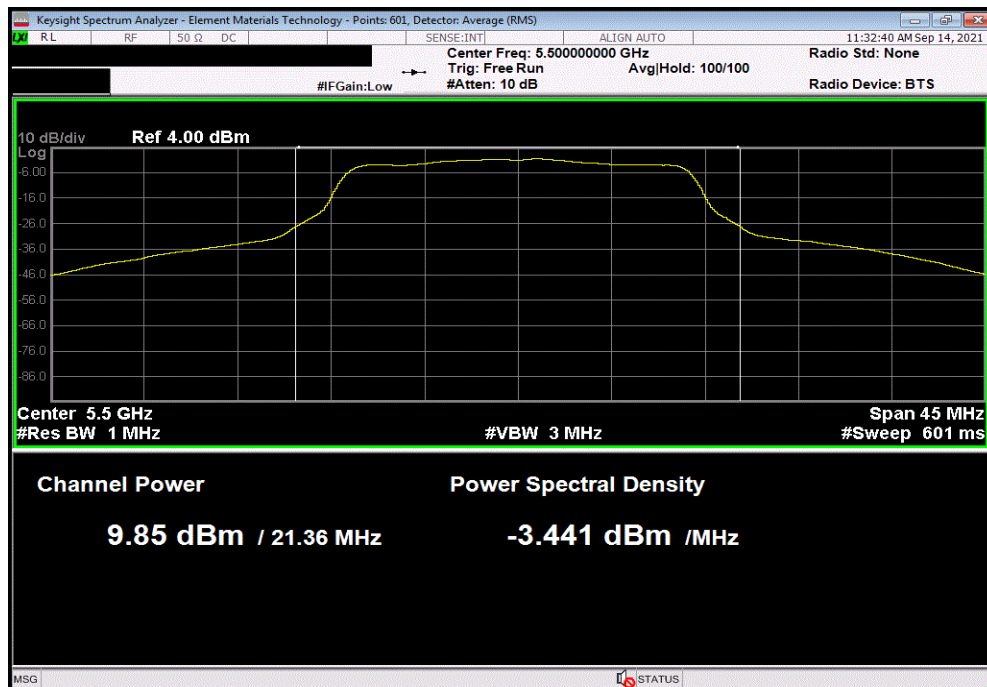


TbTx 2021.03.19.1 XMt 2020.12.30.0

5470 - 5725 MHz Band, 802.11(a) No HT, Low Channel, Ch 100 - 5500 MHz, 6 Mbps						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result	
	10.109	0.1	10.2	24	Pass	



5470 - 5725 MHz Band, 802.11(a) No HT, Low Channel, Ch 100 - 5500 MHz, 36 Mbps						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result	
	9.855	0.3	10.2	24	Pass	

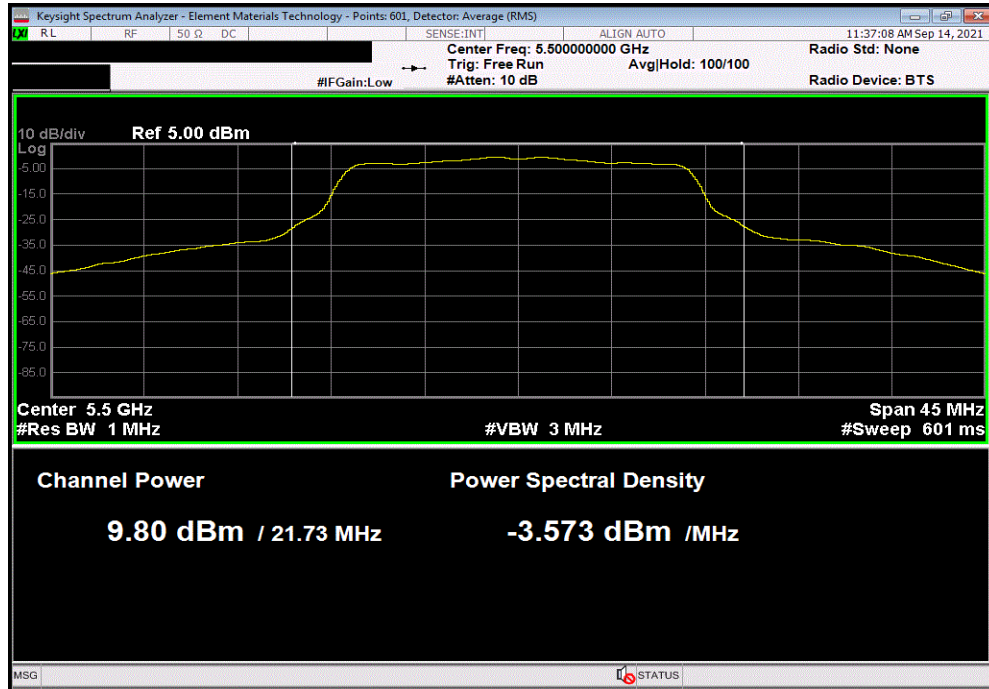


MAXIMUM CONDUCTED OUTPUT POWER - 5.6 GHz BAND

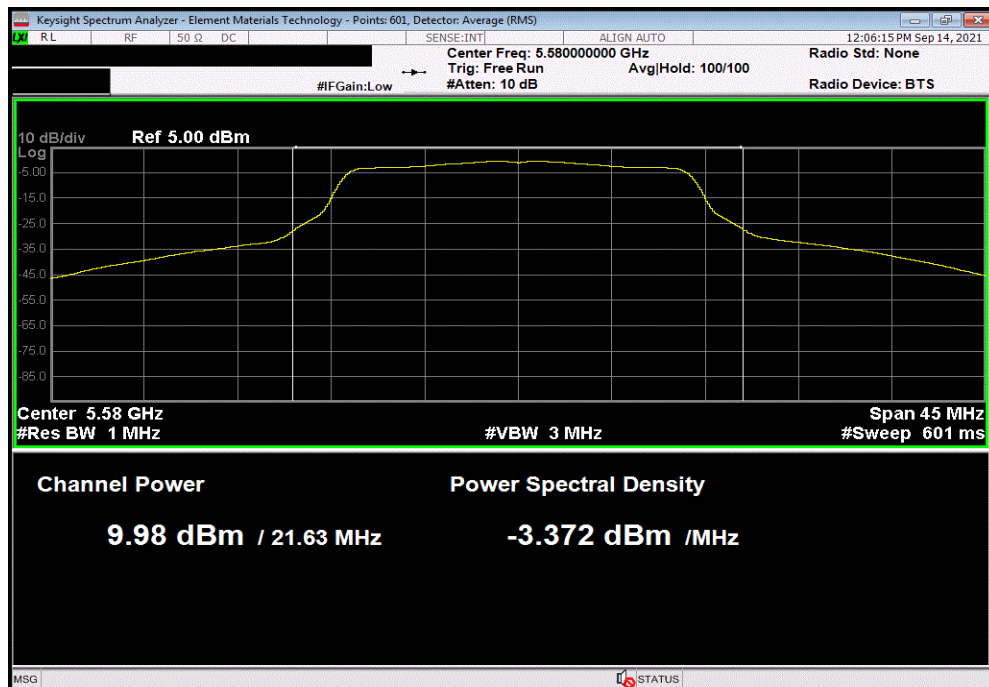


TbTx 2021.03.19.1 XMt 2020.12.30.0

5470 - 5725 MHz Band, 802.11(a) No HT, Low Channel, Ch 100 - 5500 MHz, 54 Mbps						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result	
	9.798	0.5	10.3	24	Pass	



5470 - 5725 MHz Band, 802.11(a) No HT, Mid Channel, Ch 116 - 5580 MHz, 6 Mbps						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result	
	9.978	0.1	10	24	Pass	

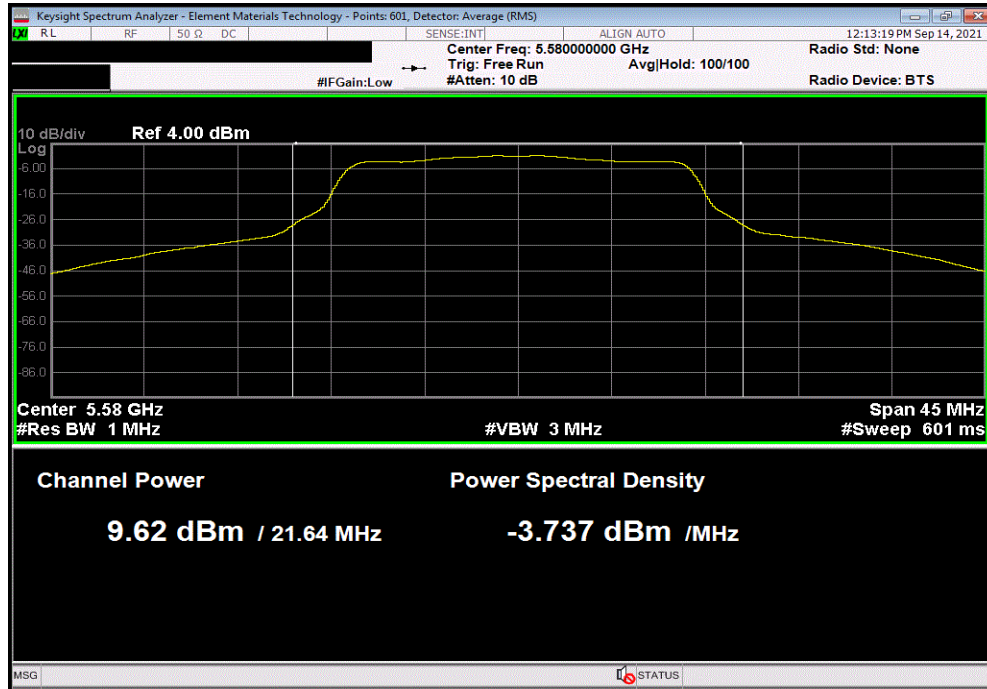


MAXIMUM CONDUCTED OUTPUT POWER - 5.6 GHz BAND

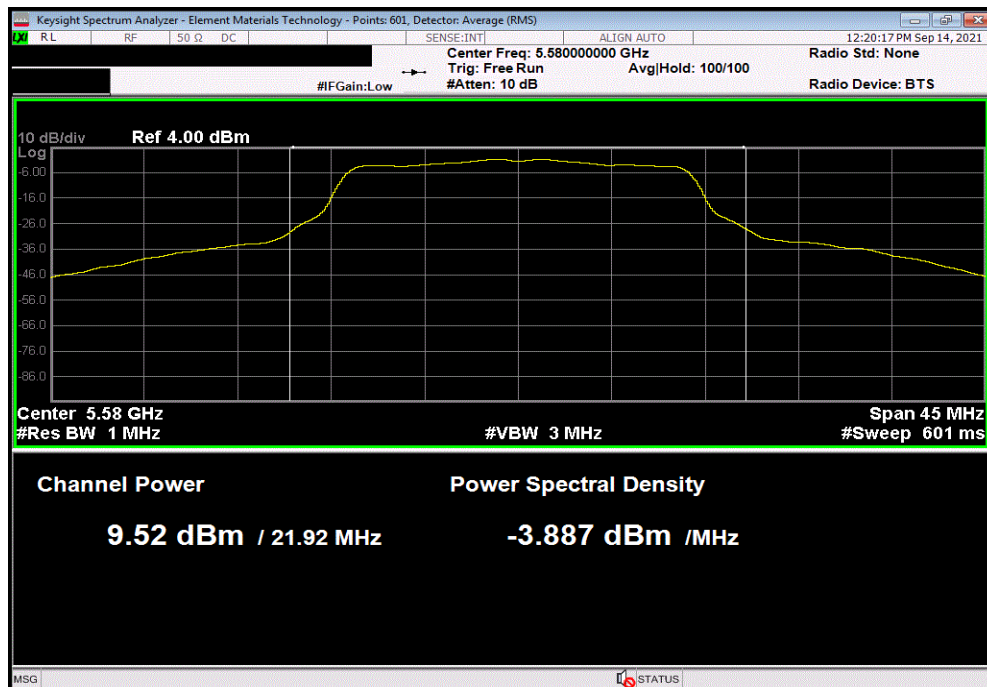


TbTx 2021.03.19.1 XMt 2020.12.30.0

5470 - 5725 MHz Band, 802.11(a) No HT, Mid Channel, Ch 116 - 5580 MHz, 36 Mbps						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result	
	9.616	0.3	9.9	24	Pass	



5470 - 5725 MHz Band, 802.11(a) No HT, Mid Channel, Ch 116 - 5580 MHz, 54 Mbps						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result	
	9.521	0.5	10	24	Pass	

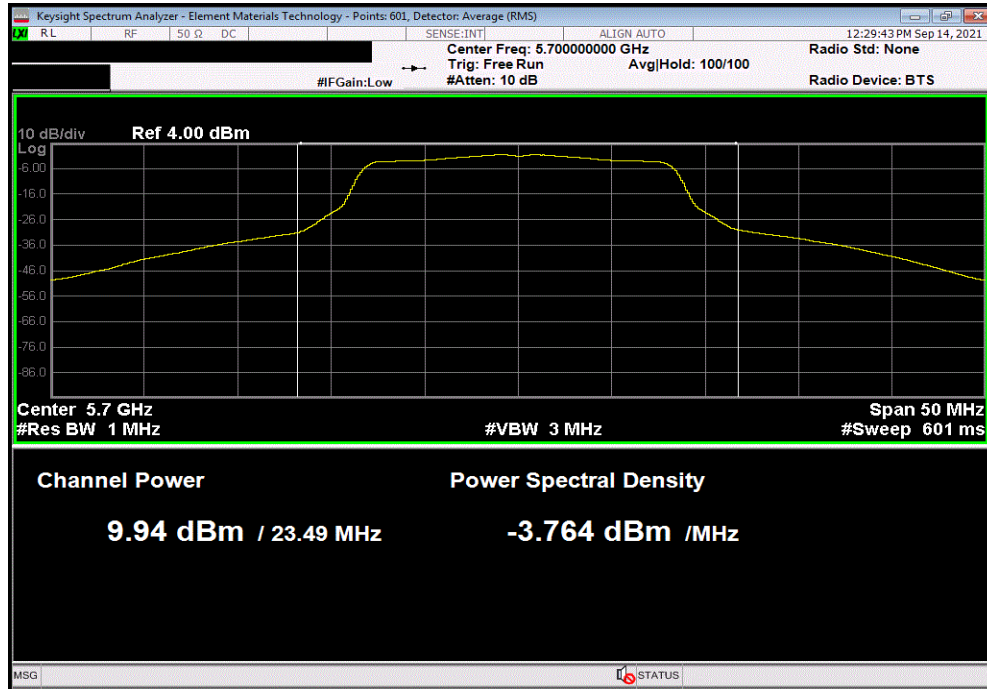


MAXIMUM CONDUCTED OUTPUT POWER - 5.6 GHz BAND

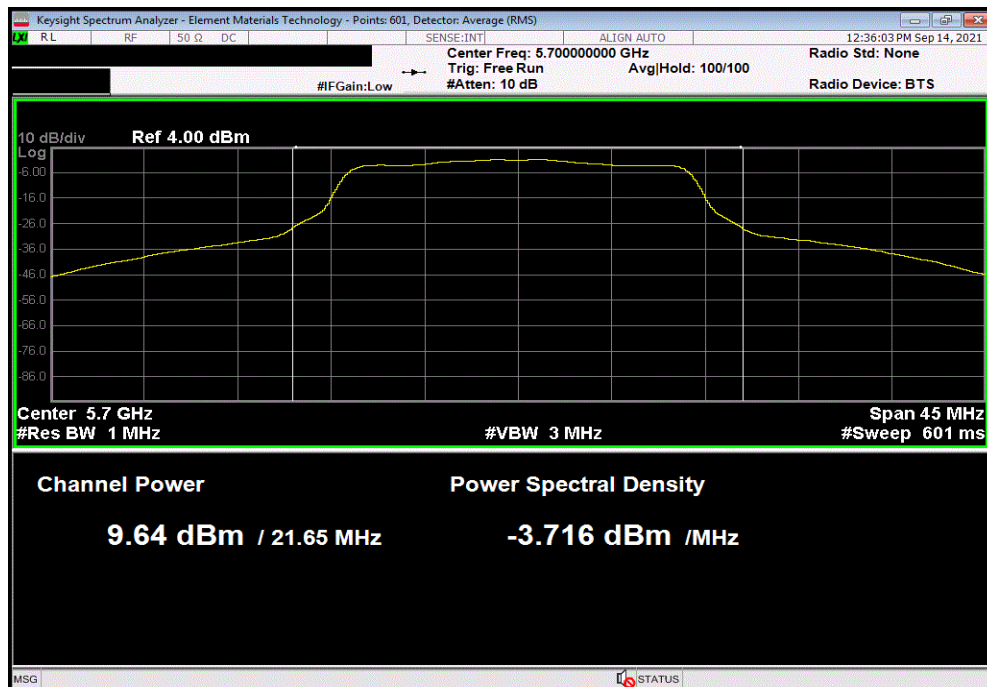


TbTx 2021.03.19.1 XMt 2020.12.30.0

5470 - 5725 MHz Band, 802.11(a) No HT, High Channel, Ch 140 - 5700 MHz, 6 Mbps						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result	
	9.944	0.1	10	24	Pass	



5470 - 5725 MHz Band, 802.11(a) No HT, High Channel, Ch 140 - 5700 MHz, 36 Mbps						
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	9.639	0.3	10	24	Pass	

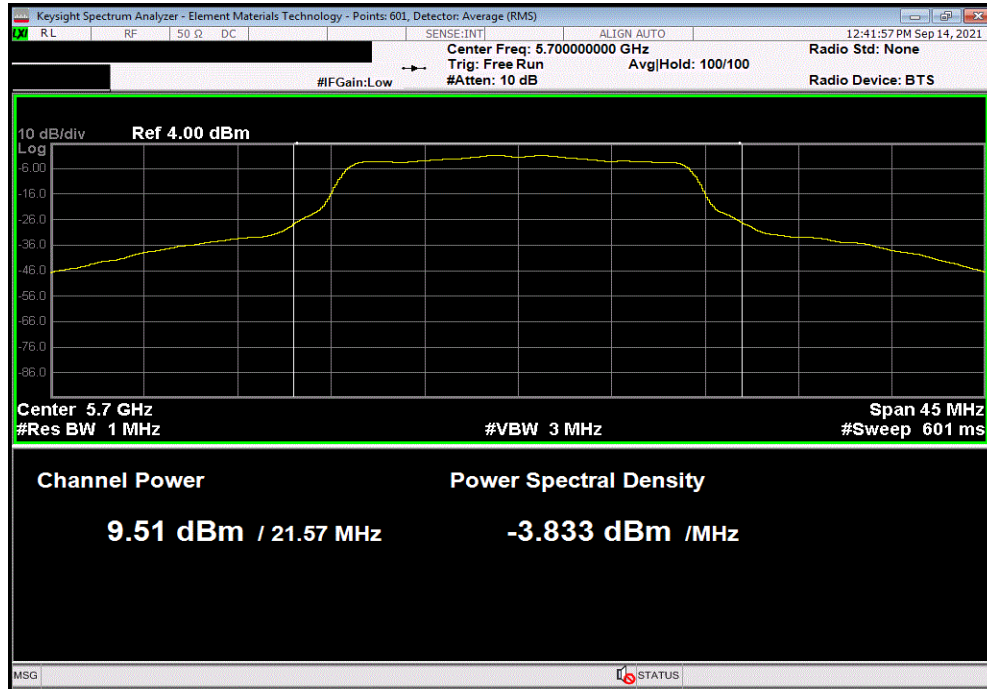


MAXIMUM CONDUCTED OUTPUT POWER - 5.6 GHz BAND

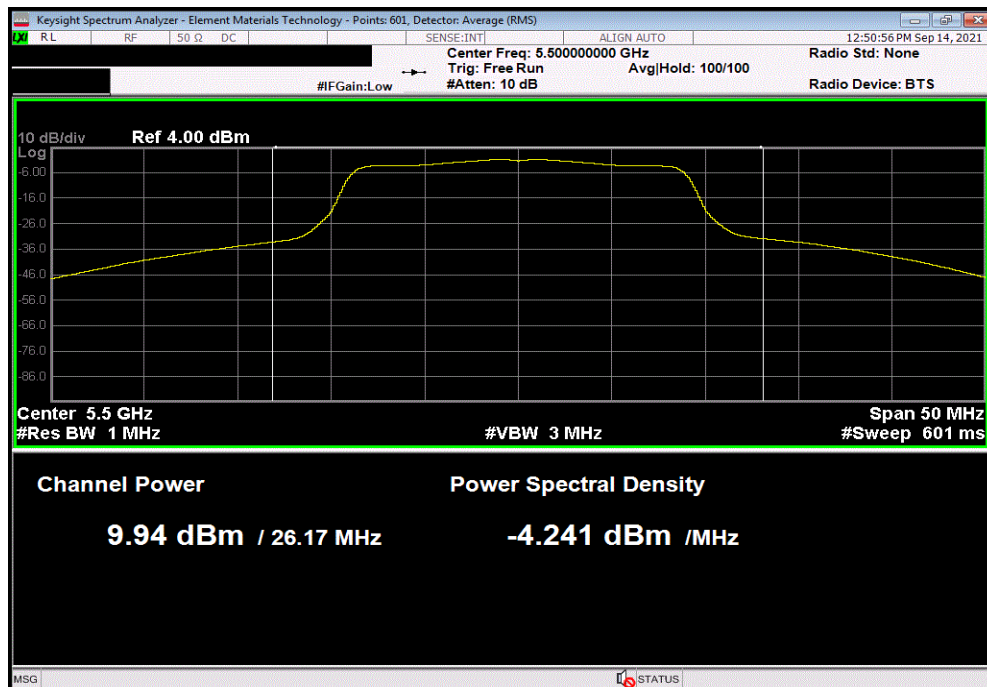


TbTx 2021.03.19.1 XMt 2020.12.30.0

5470 - 5725 MHz Band, 802.11(a) No HT, High Channel, Ch 140 - 5700 MHz, 54 Mbps						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result	
	9.505	0.5	10	24	Pass	



5470 - 5725 MHz Band, 802.11(n/ac) VHT20, Low Channel, Ch 100 - 5500 MHz, MCS0						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result	
	9.937	0.1	10	24	Pass	

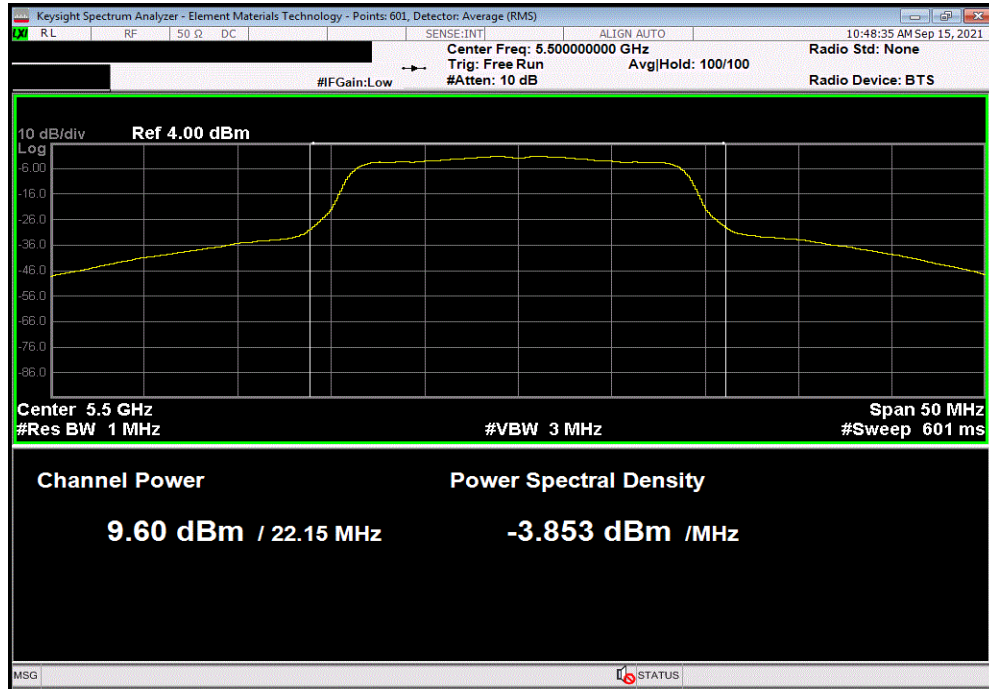


MAXIMUM CONDUCTED OUTPUT POWER - 5.6 GHz BAND

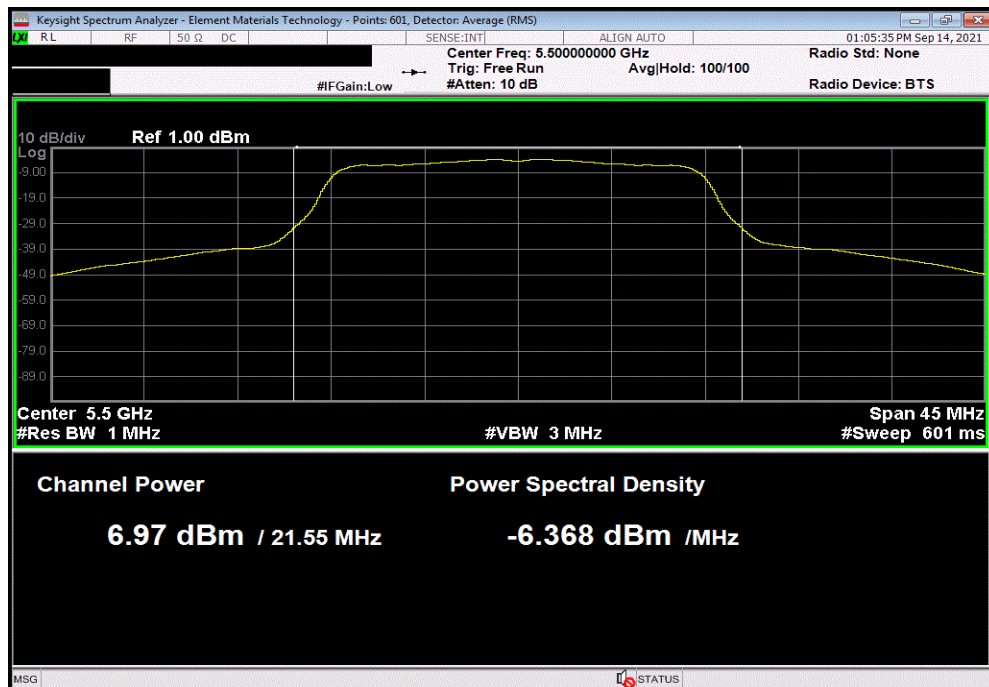


TbTx 2021.03.19.1 XM8 2020.12.30.0

5470 - 5725 MHz Band, 802.11(n/ac) VHT20, Low Channel, Ch 100 - 5500 MHz, MCS7						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result	
	9.601	0.5	10.1	24	Pass	



5470 - 5725 MHz Band, 802.11(n/ac) VHT20, Low Channel, Ch 100 - 5500 MHz, MCS8 (256-QAM)						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result	
	6.967	0.6	7.5	24	Pass	

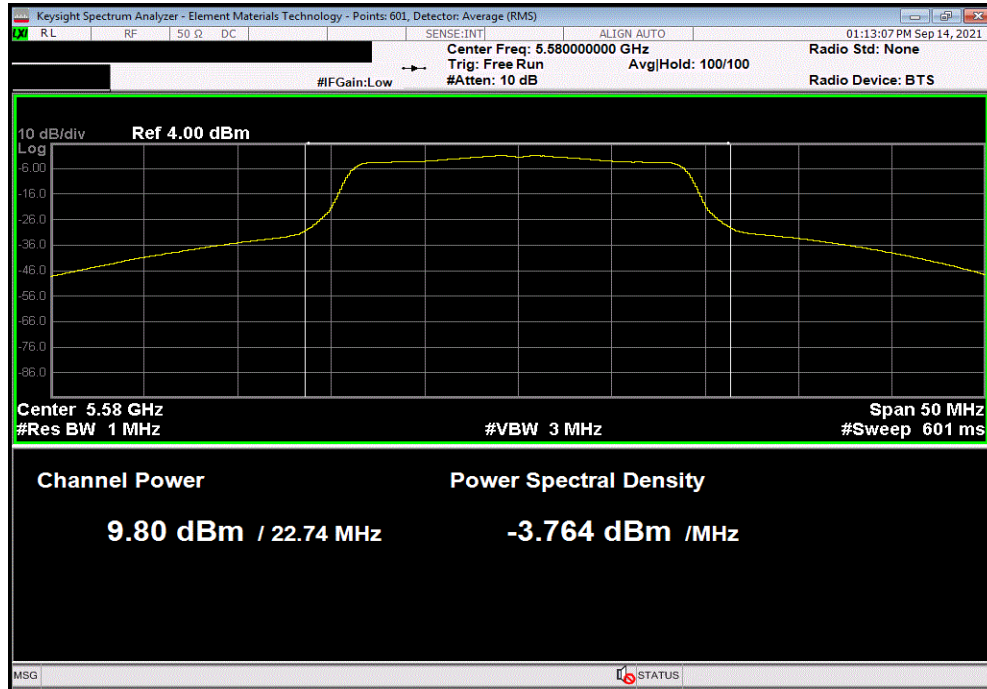


MAXIMUM CONDUCTED OUTPUT POWER - 5.6 GHz BAND

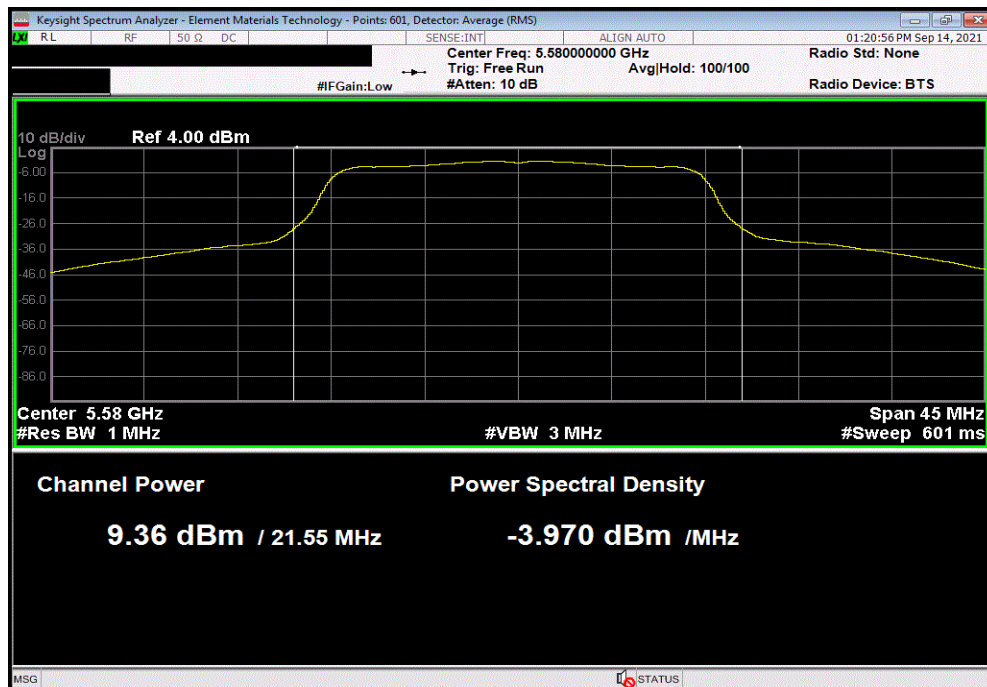


TbTx 2021.03.19.1 XMt 2020.12.30.0

5470 - 5725 MHz Band, 802.11(n/ac) VHT20, Mid Channel, Ch 116 - 5580 MHz, MCS0						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result	
	9.802	0.1	9.9	24	Pass	



5470 - 5725 MHz Band, 802.11(n/ac) VHT20, Mid Channel, Ch 116 - 5580 MHz, MCS7						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result	
	9.363	0.5	9.9	24	Pass	

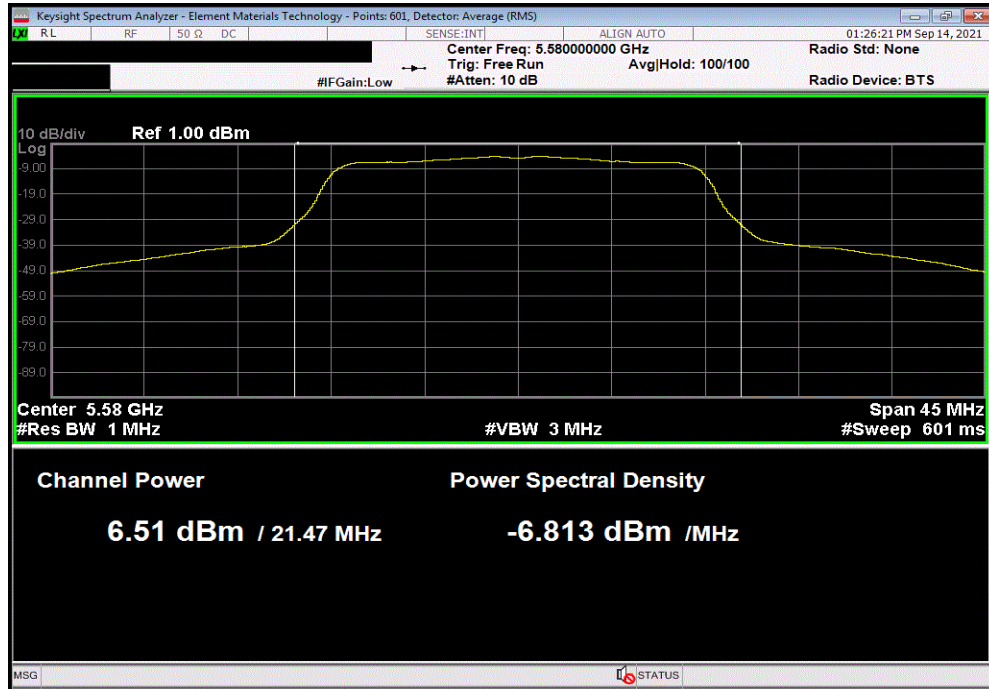


MAXIMUM CONDUCTED OUTPUT POWER - 5.6 GHz BAND

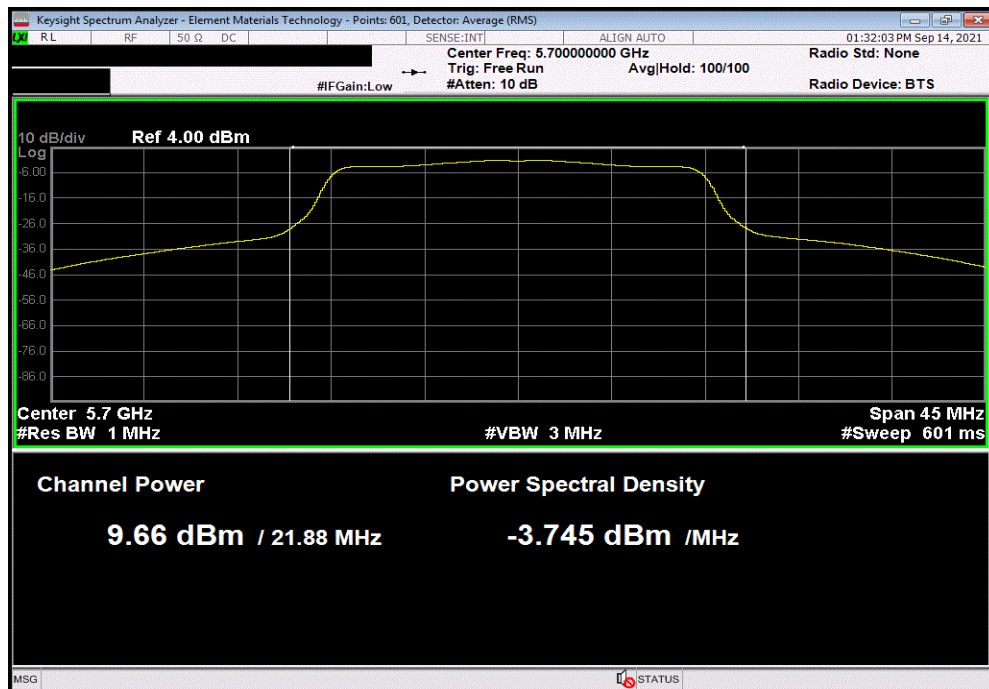


TbTx 2021.03.19.1 XMt 2020.12.30.0

5470 - 5725 MHz Band, 802.11(n/ac) VHT20, Mid Channel, Ch 116 - 5580 MHz, MCS8 (256-QAM)						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result	
	6.506	0.6	7.1	24	Pass	



5470 - 5725 MHz Band, 802.11(n/ac) VHT20, High Channel, Ch 140 - 5700 MHz, MCS0						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result	
	9.655	0.1	9.7	24	Pass	

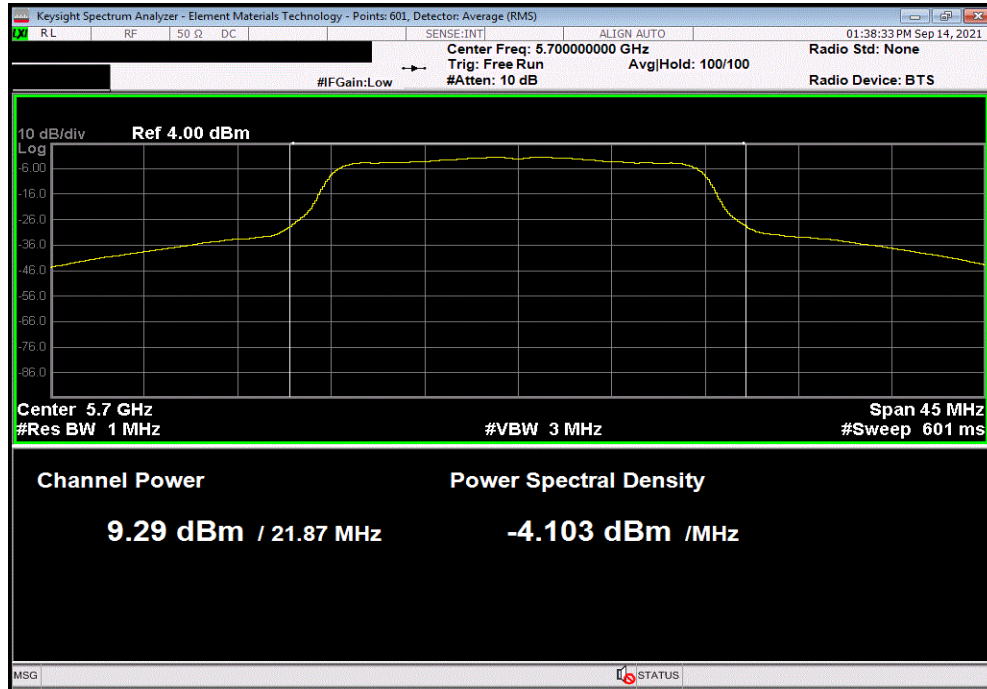


MAXIMUM CONDUCTED OUTPUT POWER - 5.6 GHz BAND

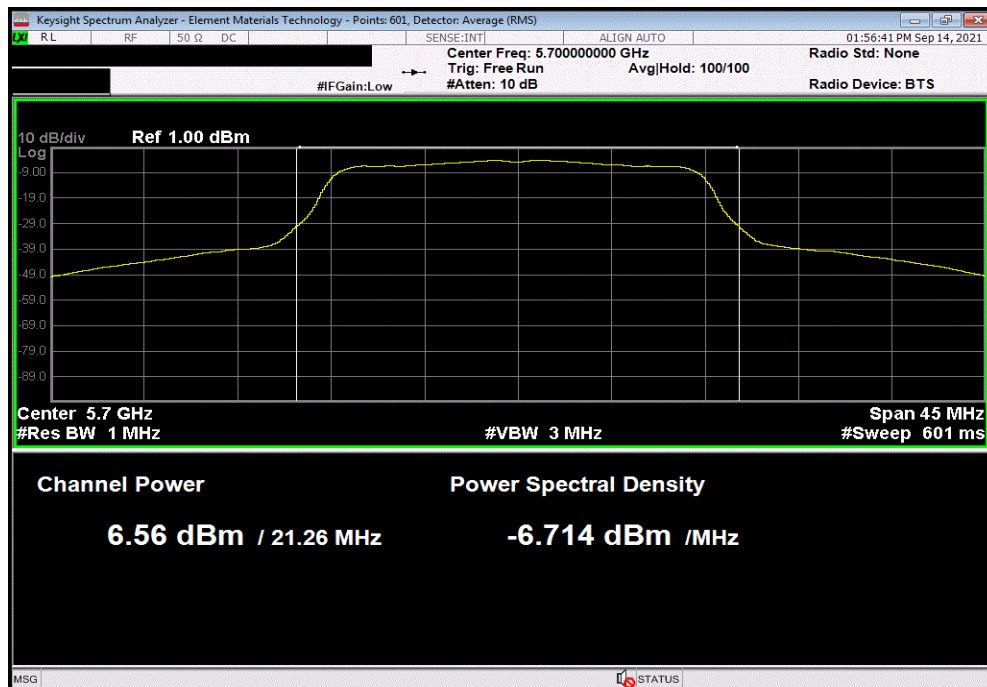


TbTx 2021.03.19.1 XM8 2020.12.30.0

5470 - 5725 MHz Band, 802.11(n/ac) VHT20, High Channel, Ch 140 - 5700 MHz, MCS7						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result	
	9.295	0.5	9.8	24	Pass	



5470 - 5725 MHz Band, 802.11(n/ac) VHT20, High Channel, Ch 140 - 5700 MHz, MCS8 (256-QAM)						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result	
	6.561	0.5	7.1	24	Pass	

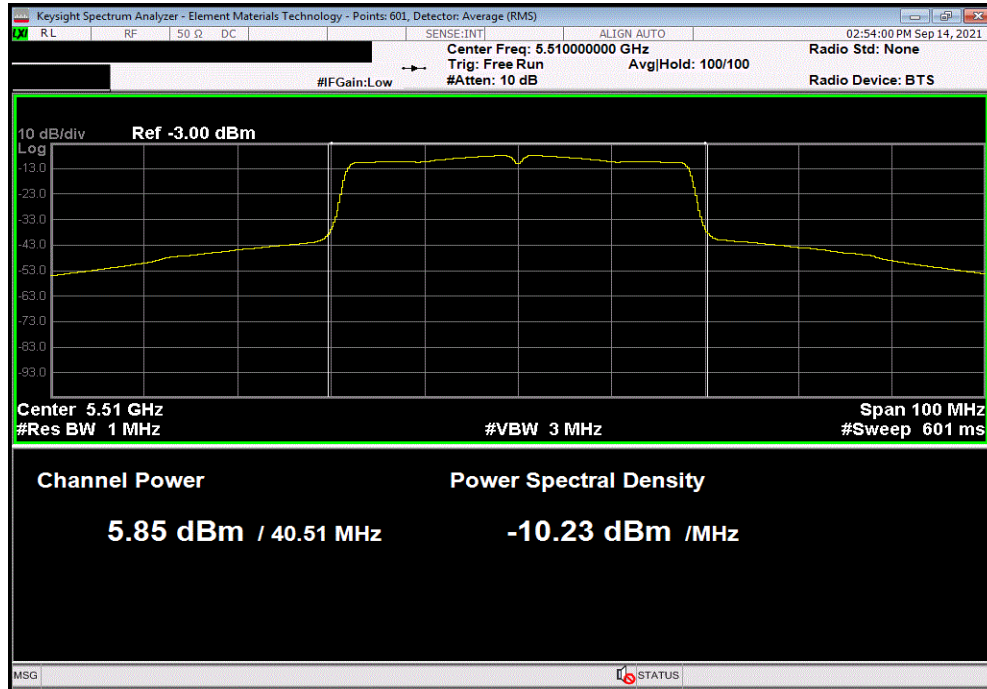


MAXIMUM CONDUCTED OUTPUT POWER - 5.6 GHz BAND

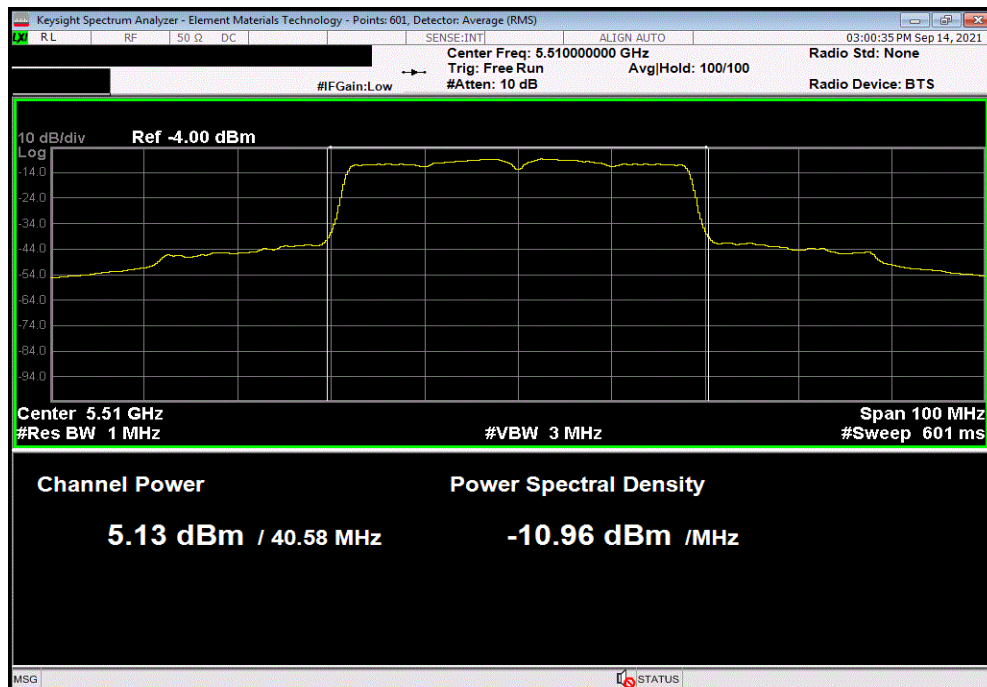


TbTx 2021.03.19.1 XMt 2020.12.30.0

5470 - 5725 MHz Band, 802.11(n/ac) VHT40, Low Channel, Ch 100/104 - 5510 MHz, MCS0						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result	
	5.85	0.1	6	24	Pass	



5470 - 5725 MHz Band, 802.11(n/ac) VHT40, Low Channel, Ch 100/104 - 5510 MHz, MCS7						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result	
	5.127	0.7	5.8	24	Pass	

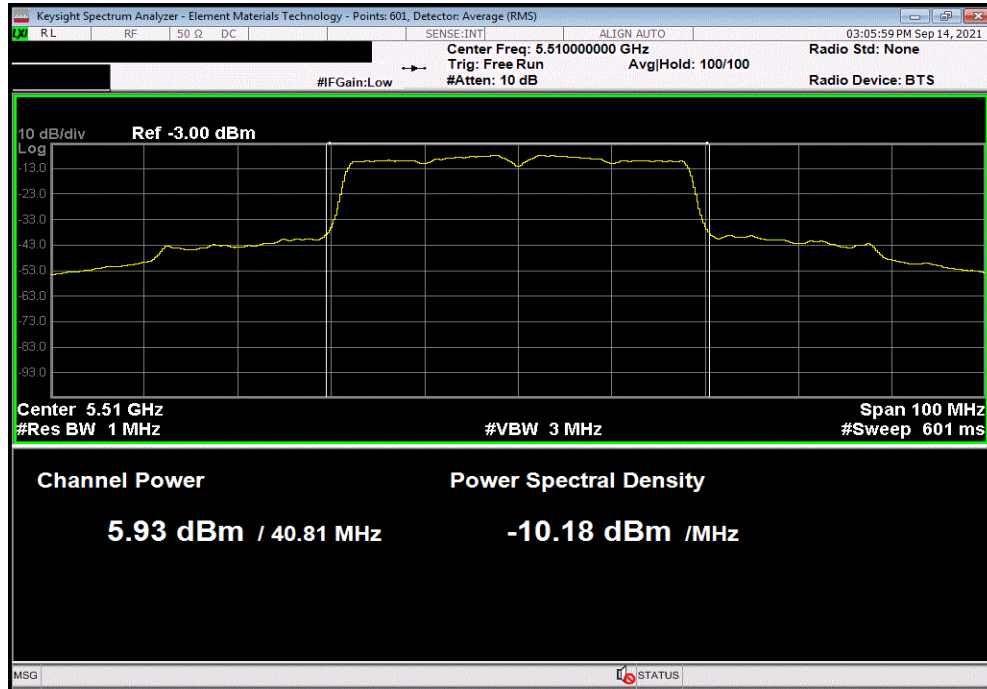


MAXIMUM CONDUCTED OUTPUT POWER - 5.6 GHz BAND

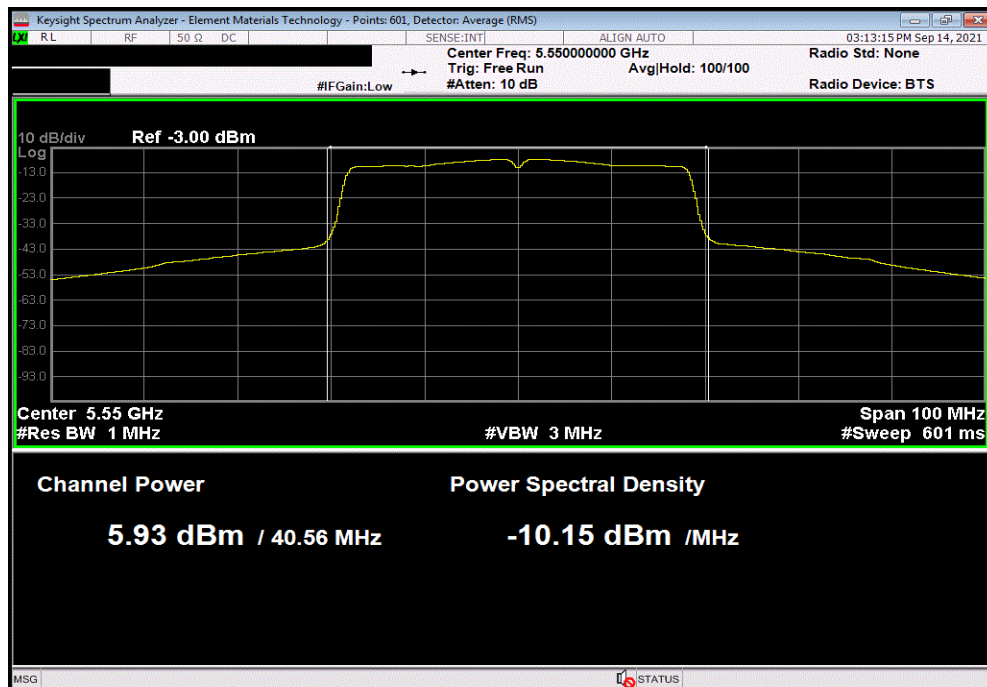


TbTx 2021.03.19.1 XMt 2020.12.30.0

5470 - 5725 MHz Band, 802.11(n/ac) VHT40, Low Channel, Ch 100/104 - 5510 MHz, MCS9 (256-QAM)						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result	
	5.927	0.8	6.8	24	Pass	



5470 - 5725 MHz Band, 802.11(n/ac) VHT40, Mid Channel, Ch 108/112 - 5550 MHz, MCS0						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result	
	5.927	0.1	6.1	24	Pass	

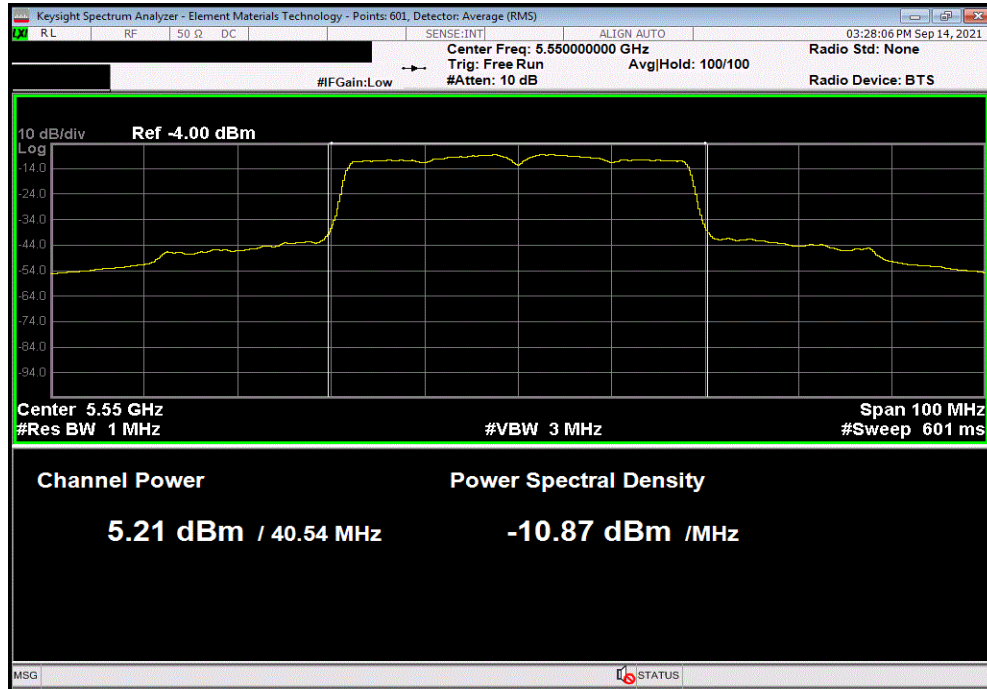


MAXIMUM CONDUCTED OUTPUT POWER - 5.6 GHz BAND

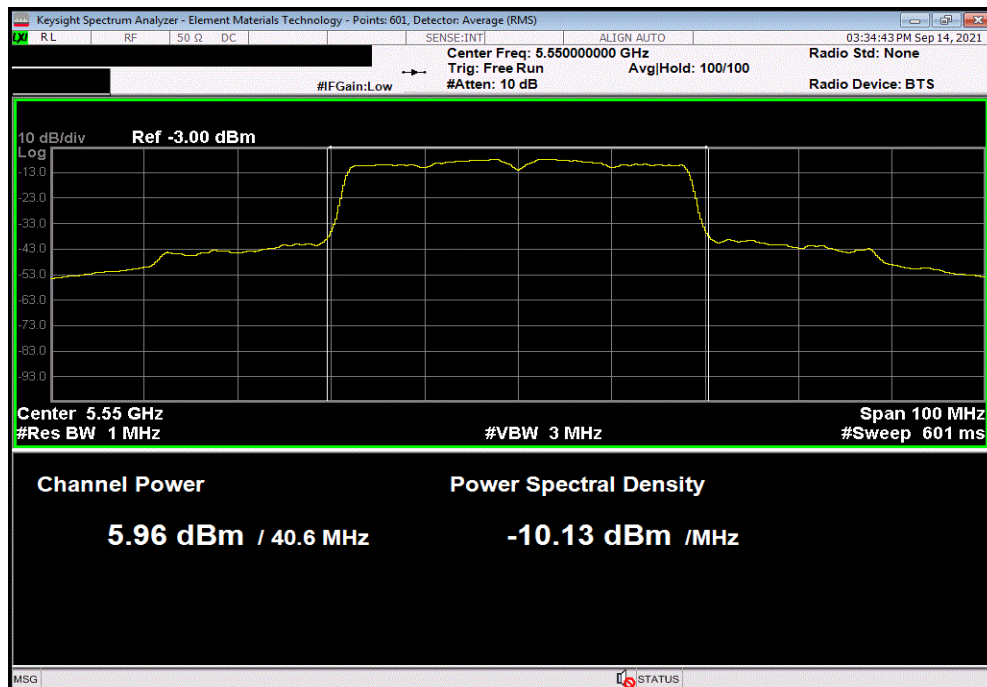


TbTx 2021.03.19.1 XMt 2020.12.30.0

5470 - 5725 MHz Band, 802.11(n/ac) VHT40, Mid Channel, Ch 108/112 - 5550 MHz, MCS7						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result	
	5.21	0.7	5.9	24	Pass	



5470 - 5725 MHz Band, 802.11(n/ac) VHT40, Mid Channel, Ch 108/112 - 5550 MHz, MCS9 (256-QAM)						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result	
	5.96	0.9	6.8	24	Pass	

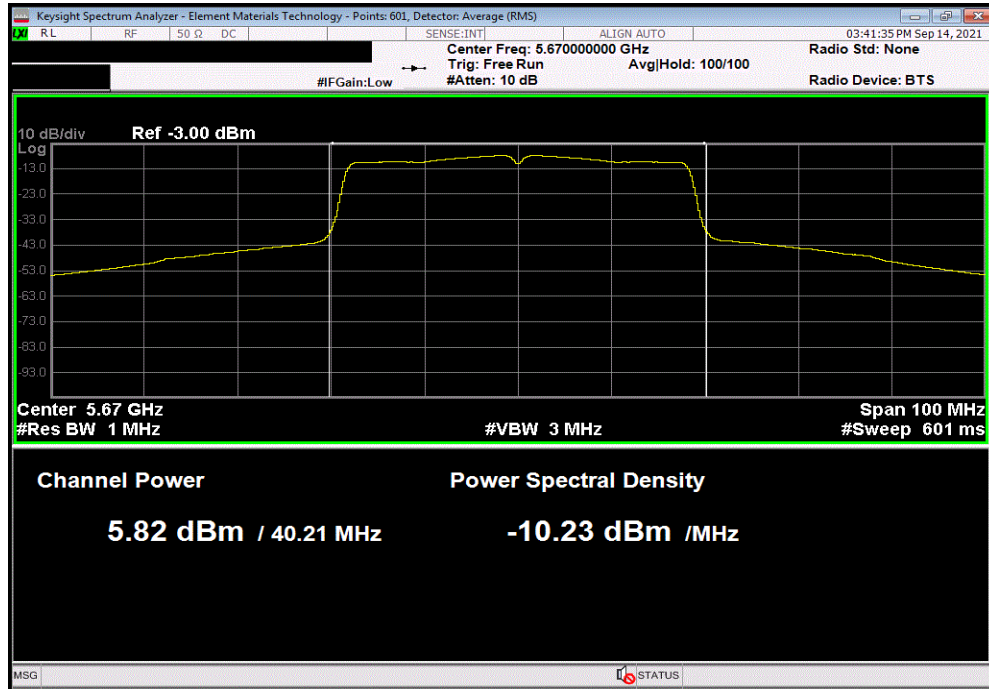


MAXIMUM CONDUCTED OUTPUT POWER - 5.6 GHz BAND

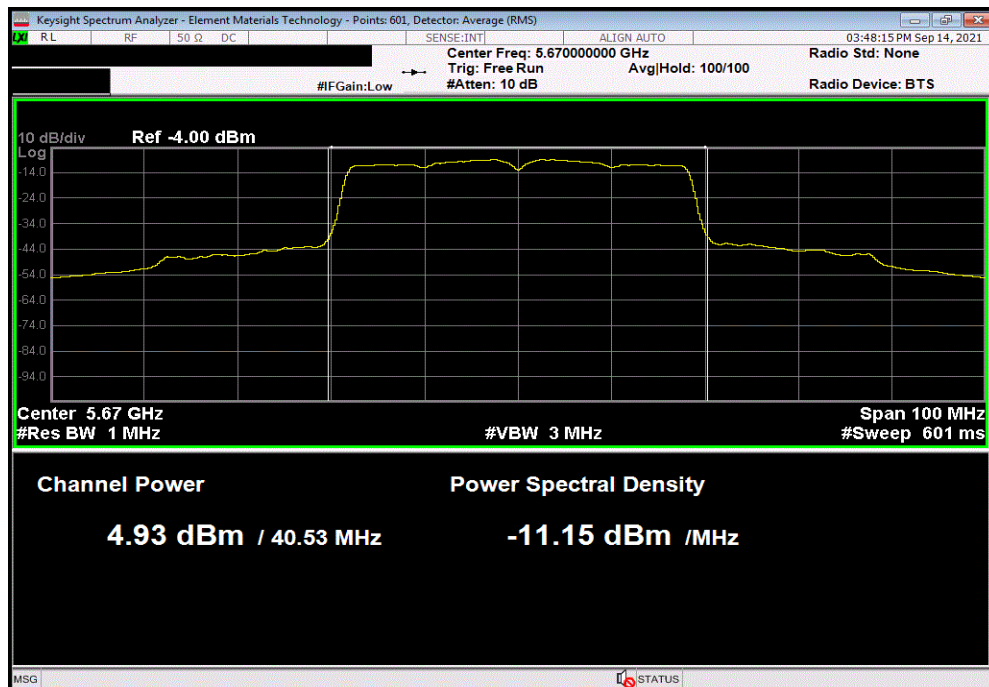


TbTx 2021.03.19.1 XMt 2020.12.30.0

5470 - 5725 MHz Band, 802.11(n/ac) VHT40, High Channel, Ch 132/136 - 5670 MHz, MCS0						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result	
	5.818	0.1	5.9	24	Pass	



5470 - 5725 MHz Band, 802.11(n/ac) VHT40, High Channel, Ch 132/136 - 5670 MHz, MCS7						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result	
	4.929	0.7	5.7	24	Pass	

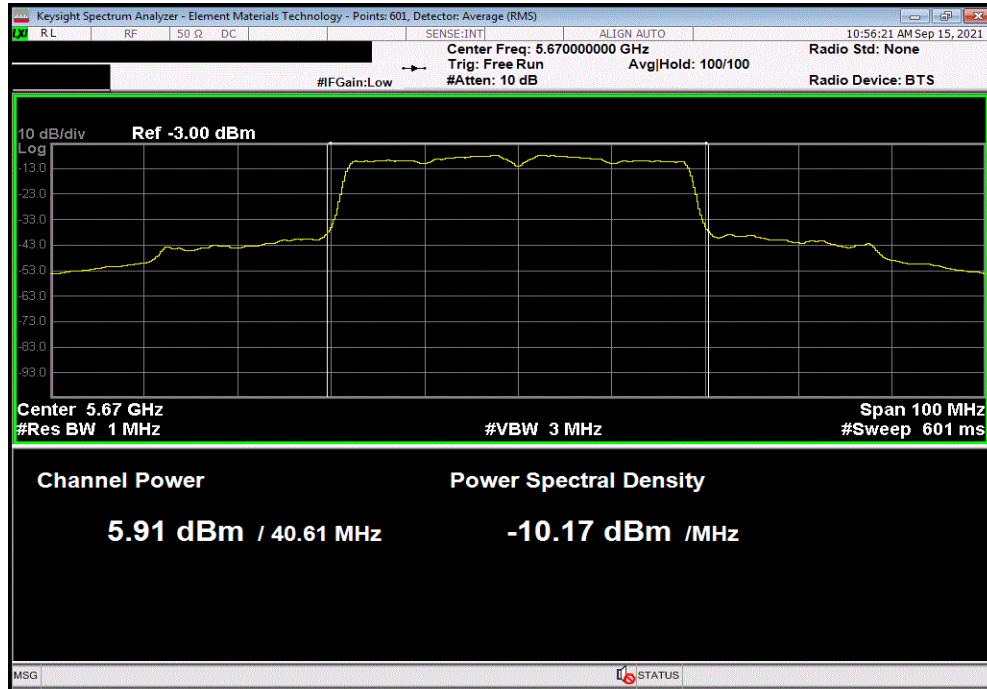


MAXIMUM CONDUCTED OUTPUT POWER - 5.6 GHz BAND

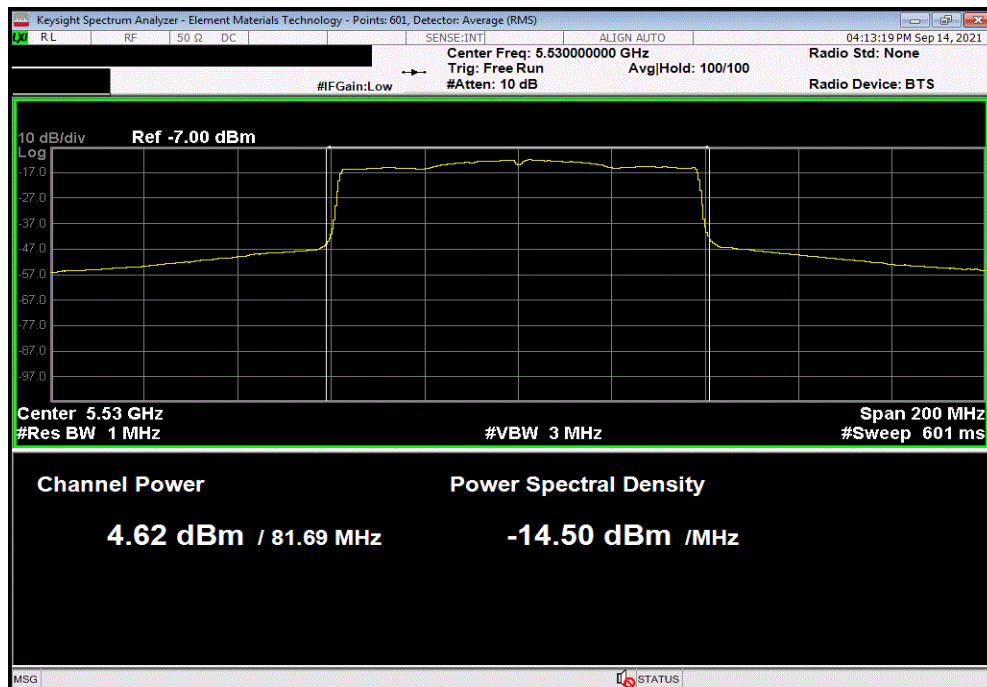


TbTx 2021.03.19.1 XMt 2020.12.30.0

5470 - 5725 MHz Band, 802.11(n/ac) VHT40, High Channel, Ch 132/136 - 5670 MHz, MCS9 (256-QAM)						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result	
	5.913	0.8	6.7	24	Pass	



5470 - 5725 MHz Band, 802.11(n/ac) VHT80, Low Channel, Ch 100-112 - 5530 MHz, MCS0						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result	
	4.622	0.2	4.9	24	Pass	

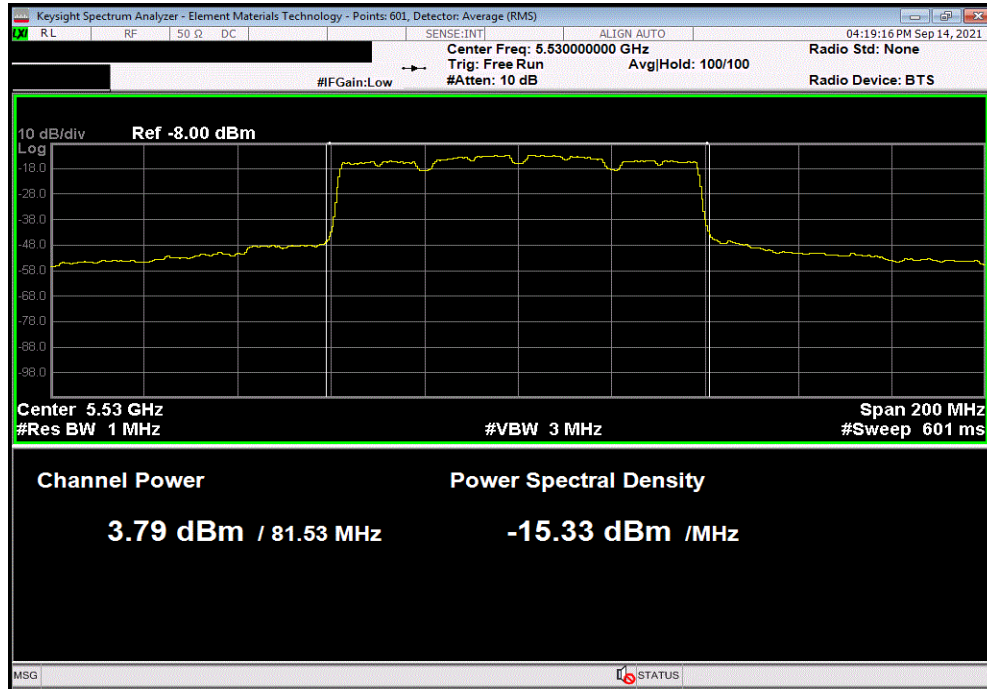


MAXIMUM CONDUCTED OUTPUT POWER - 5.6 GHz BAND

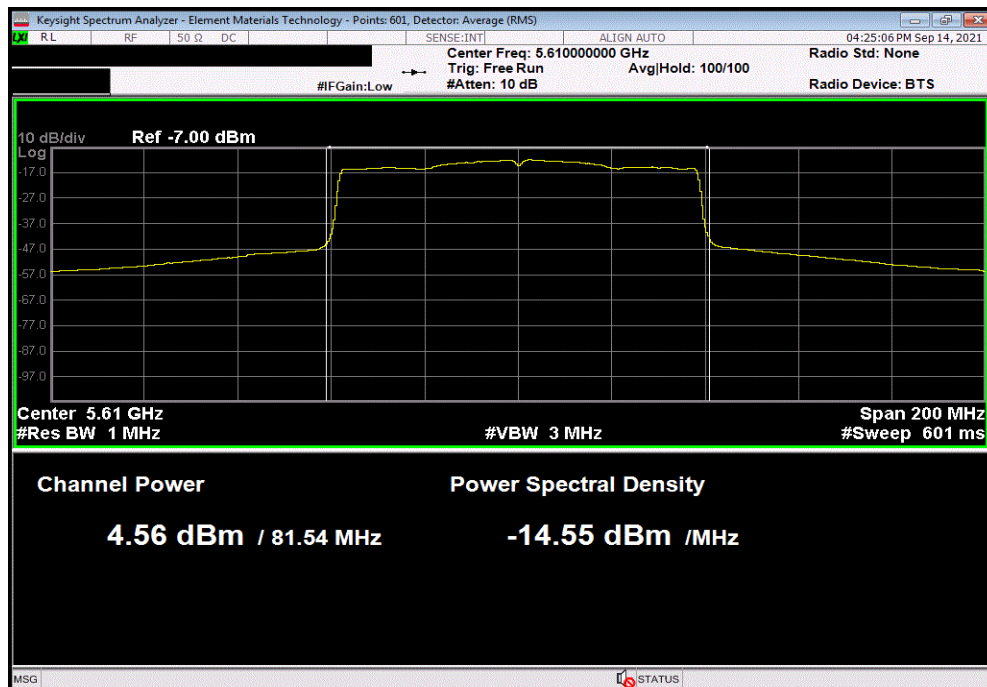


TbTx 2021.03.19.1 XMt 2020.12.30.0

5470 - 5725 MHz Band, 802.11(n/ac) VHT80, Low Channel, Ch 100-112 - 5530 MHz, MCS9 (256-QAM)						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result	
	3.787	1.1	4.9	24	Pass	



5470 - 5725 MHz Band, 802.11(n/ac) VHT80, High Channel, Ch 116-128 - 5610 MHz, MCS9						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result	
	4.561	0.2	4.8	24	Pass	



MAXIMUM CONDUCTED OUTPUT POWER - 5.6 GHz BAND



TbTx 2021.03.19.1 XMt 2020.12.30.0

5470 - 5725 MHz Band, 802.11(n/ac) VHT80, High Channel, Ch 116-128 - 5610 MHz, MCS9 (256-QAM)					
Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result	
3.636	1.1	4.7	24	Pass	

