MAXIMUM CONDUCTED OUTPUT POWER - 5.8 GHz BAND

XMit 2022.02.07.0

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	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*LOG(1/D) where D is the duty cycle.

MAXIMUM CONDUCTED OUTPUT POWER - 5.8 GHz BAND

element

TbtTx 2021.03.19.1 XMit 2022.02.07.0

EUT:	43.0536.00			**Work Order:**	A-DE0170
Serial Number:	SN001 00001			**Date:**	19-Feb-22
Customer:	A-dec, Inc.			**Temperature:**	18.9 °C
Attendees:	None			**Humidity:**	30.1% RH
Project:	None			**Barometric Pres.:**	1033 mbar
Tested by:	Jeff Alcoke	**Power:**	3.3 VDC via 110VAC/60Hz	**Job Site:**	EV06

TEST SPECIFICATIONS	Test Method
FCC 15.407:2022	ANSI C63.10:2013

COMMENTS

Reference level offset includes: DC Block, 20 dB attenuator, and measurement cable.

DEVIATIONS FROM TEST STANDARD

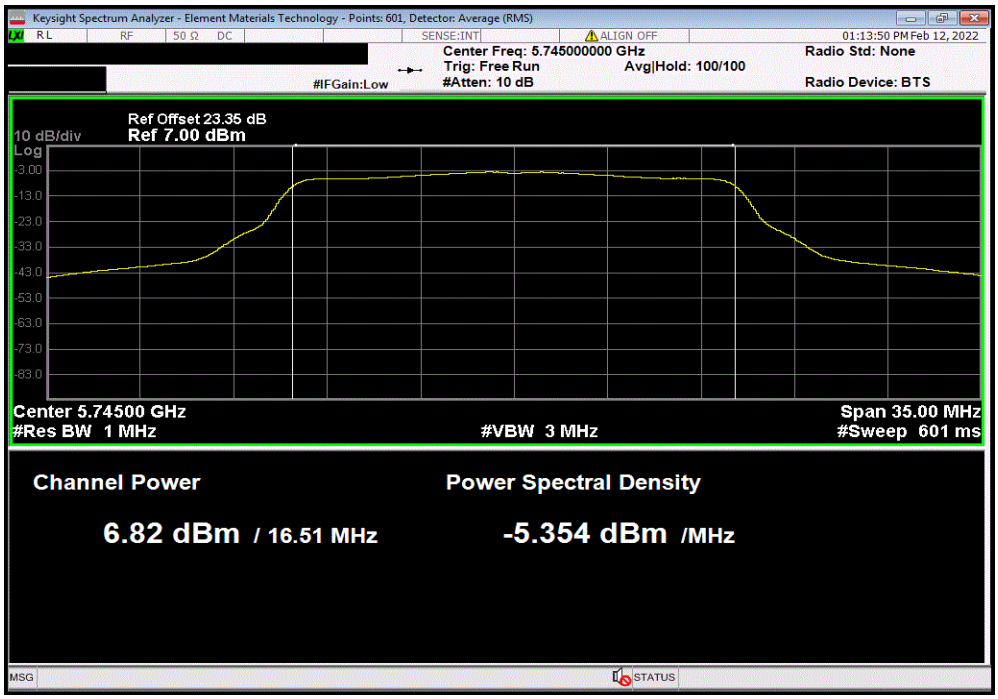
None

Configuration #	3	Signature

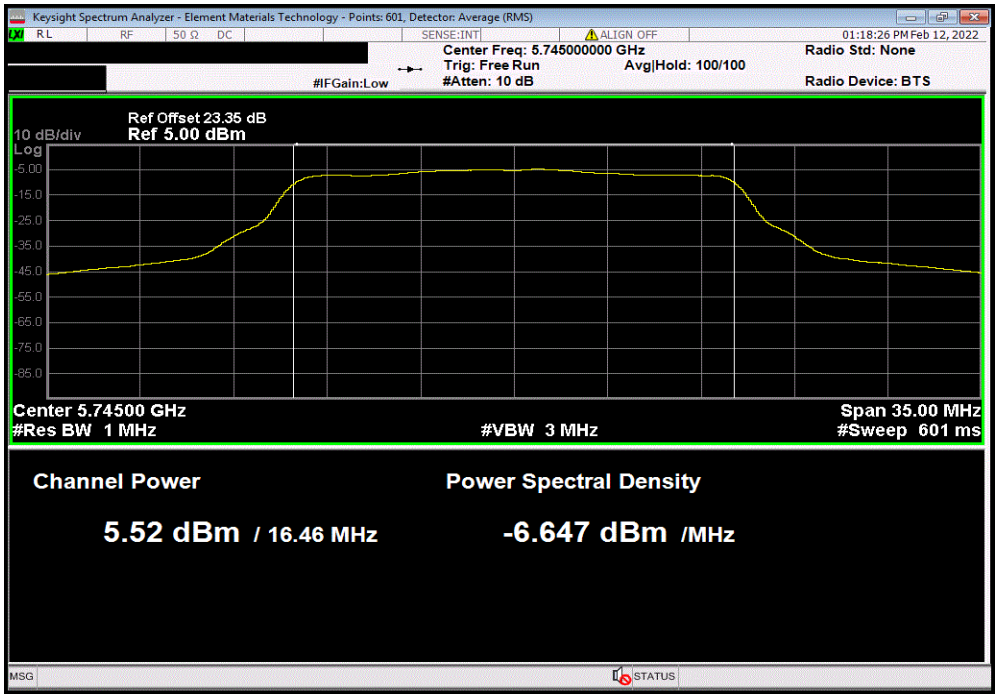
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result
5725 - 5785 MHz Band					
802.11(a) No HT					
Low Channel, Ch 149 - 5745 MHz					
6 Mbps	6.824	0.1	6.9	30	Pass
36 Mbps	5.518	0.3	5.8	30	Pass
54 Mbps	6.514	0.5	7	30	Pass
Mid Channel, Ch 157 - 5785 MHz					
6 Mbps	6.926	0.1	7	30	Pass
36 Mbps	6.496	0.3	6.8	30	Pass
54 Mbps	6.413	0.5	6.9	30	Pass
High Channel, Ch 165 - 5825 MHz					
6 Mbps	6.865	0.1	7	30	Pass
36 Mbps	6.621	0.3	6.9	30	Pass
54 Mbps	6.56	0.5	7.1	30	Pass
802.11(n/ac) VHT20					
Low Channel, Ch 149 - 5745 MHz					
MCS0	5.761	0.1	5.9	30	Pass
MCS7	6.112	0.5	6.6	30	Pass
MCS8 (256-QAM)	6.042	0.5	6.5	30	Pass
Mid Channel, Ch 157 - 5785 MHz					
MCS0	6.555	0.1	6.7	30	Pass
MCS7	5.168	0.5	5.7	30	Pass
MCS8 (256-QAM)	6.032	0.5	6.5	30	Pass
High Channel, Ch 165 - 5825 MHz					
MCS0	6.644	0.1	6.7	30	Pass
MCS7	6.433	0.5	6.9	30	Pass
MCS8 (256-QAM)	6.338	0.5	6.8	30	Pass
802.11(n/ac) VHT40					
Low Channel, Ch 149/153 - 5755 MHz					
MCS0	6.581	0.1	6.7	30	Pass
MCS7	5.255	0.7	6	30	Pass
MCS9 (256-QAM)	6.814	0.8	7.6	30	Pass
High Channel, Ch 157/161 - 5795 MHz					
MCS0	5.718	0.1	5.8	30	Pass
MCS7	5.747	0.7	6.4	30	Pass
MCS9 (256-QAM)	5.826	0.8	6.6	30	Pass
802.11(n/ac) VHT80					
Low Channel, Ch 149-161 - 5775 MHz					
MCS0	4.558	0.2	4.8	30	Pass
MCS9 (256-QAM)	3.539	1.1	4.6	30	Pass

MAXIMUM CONDUCTED OUTPUT POWER - 5.8 GHz BAND

5725 - 5785 MHz Band, 802.11(a) No HT, Low Channel, Ch 149 - 5745 MHz, 6 Mbps						
		Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result
		6.824	0.1	6.9	30	Pass

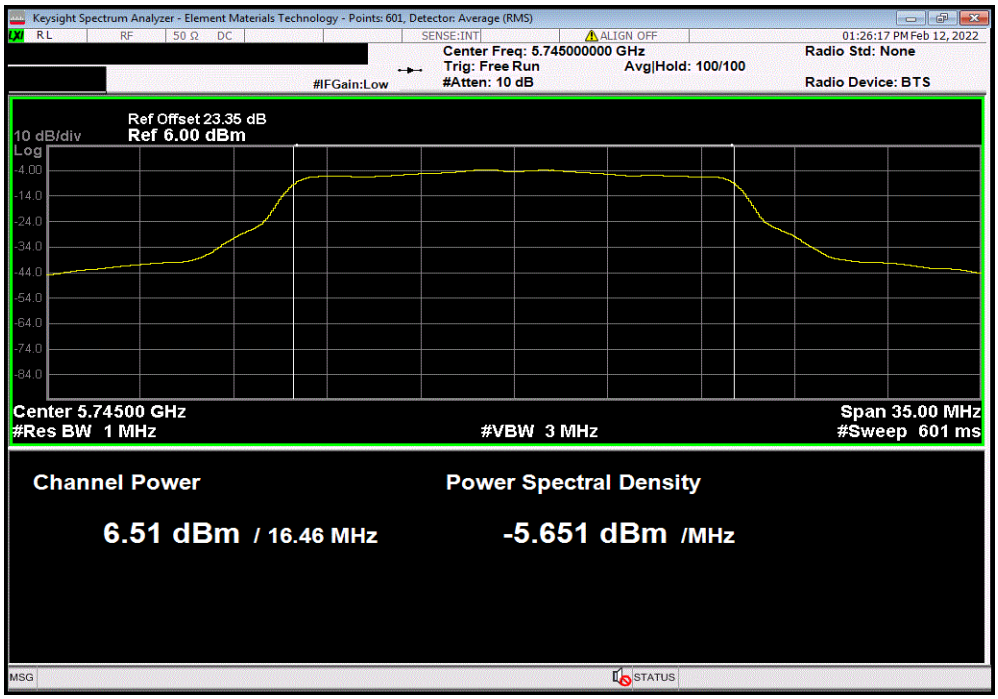


5725 - 5785 MHz Band, 802.11(a) No HT, Low Channel, Ch 149 - 5745 MHz, 36 Mbps						
		Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result
		5.518	0.3	5.8	30	Pass

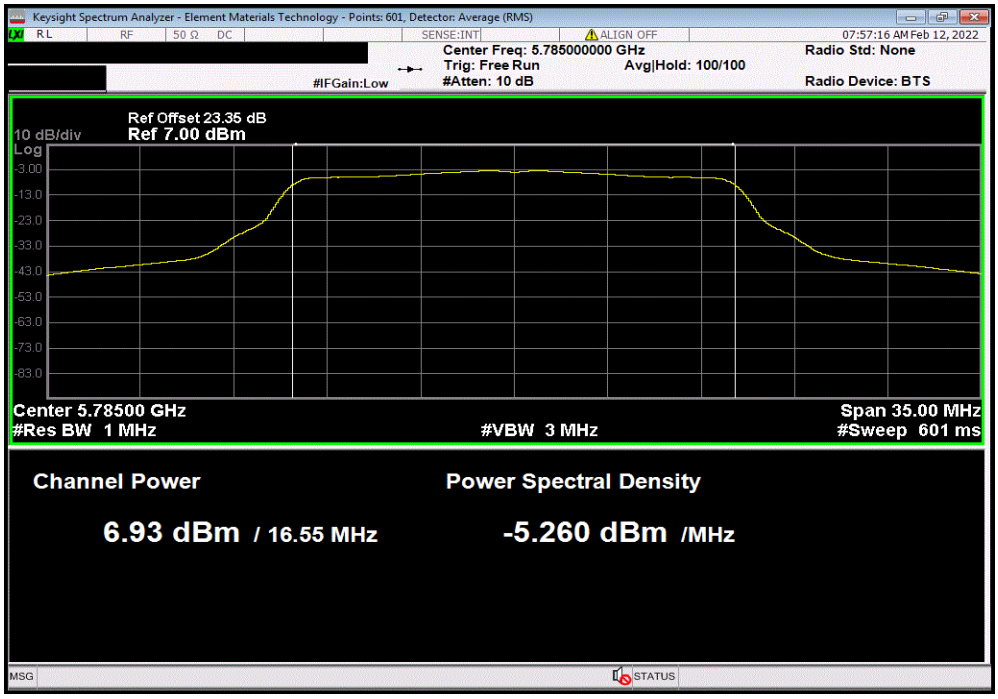


MAXIMUM CONDUCTED OUTPUT POWER - 5.8 GHz BAND

5725 - 5785 MHz Band, 802.11(a) No HT, Low Channel, Ch 149 - 5745 MHz, 54 Mbps						
		Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result
		6.514	0.5	7	30	Pass

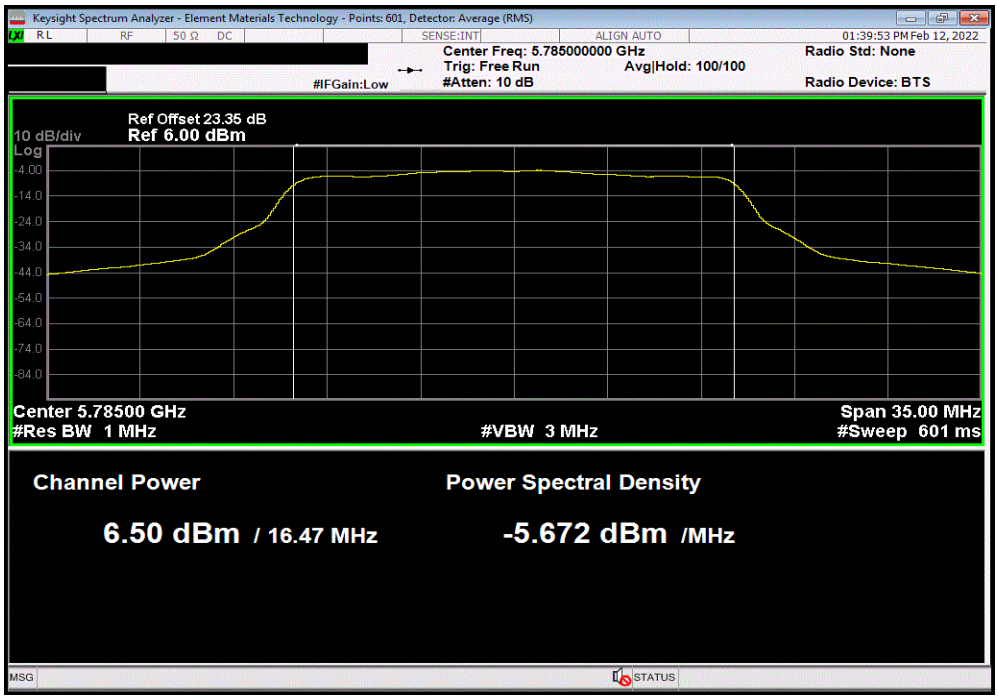


5725 - 5785 MHz Band, 802.11(a) No HT, Mid Channel, Ch 157 - 5785 MHz, 6 Mbps						
		Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result
		6.926	0.1	7	30	Pass

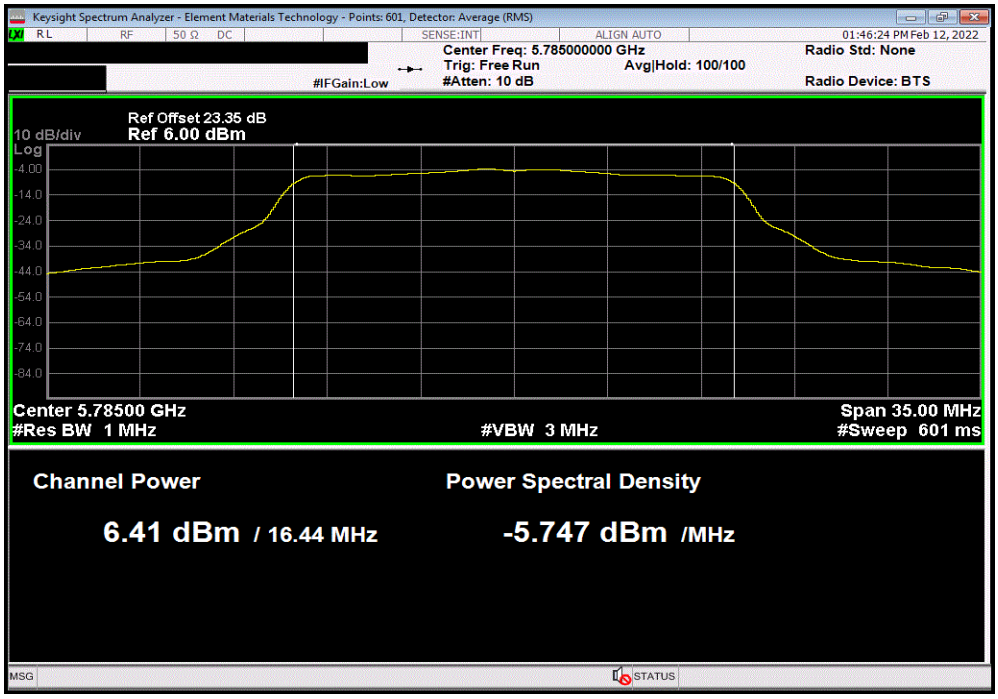


MAXIMUM CONDUCTED OUTPUT POWER - 5.8 GHz BAND

5725 - 5785 MHz Band, 802.11(a) No HT, Mid Channel, Ch 157 - 5785 MHz, 36 Mbps						
		Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result
		6.496	0.3	6.8	30	Pass

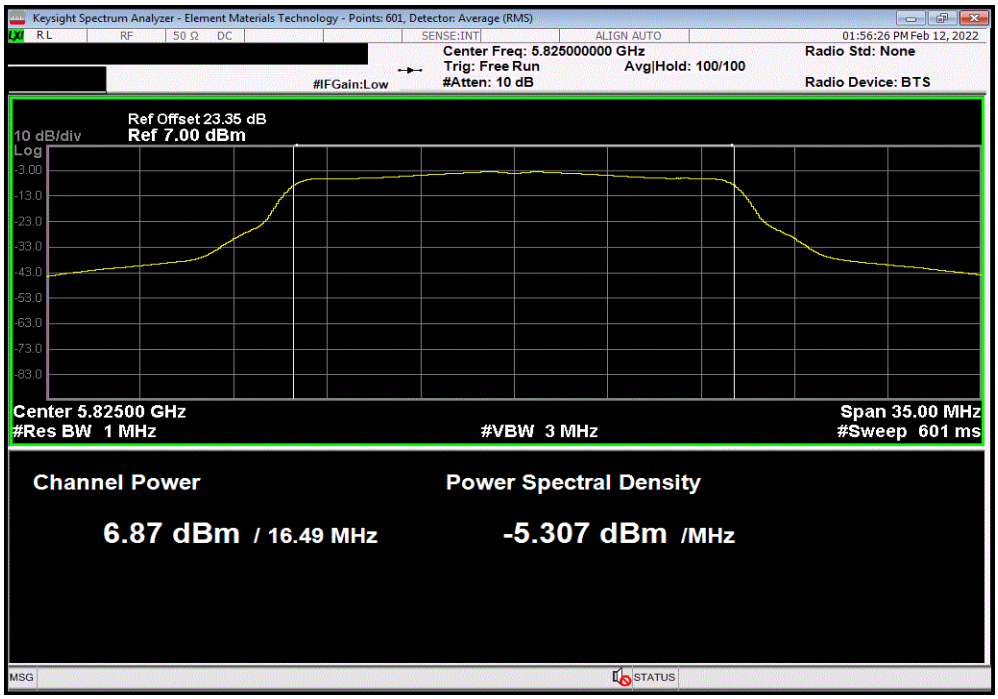


5725 - 5785 MHz Band, 802.11(a) No HT, Mid Channel, Ch 157 - 5785 MHz, 54 Mbps						
		Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result
		6.413	0.5	6.9	30	Pass

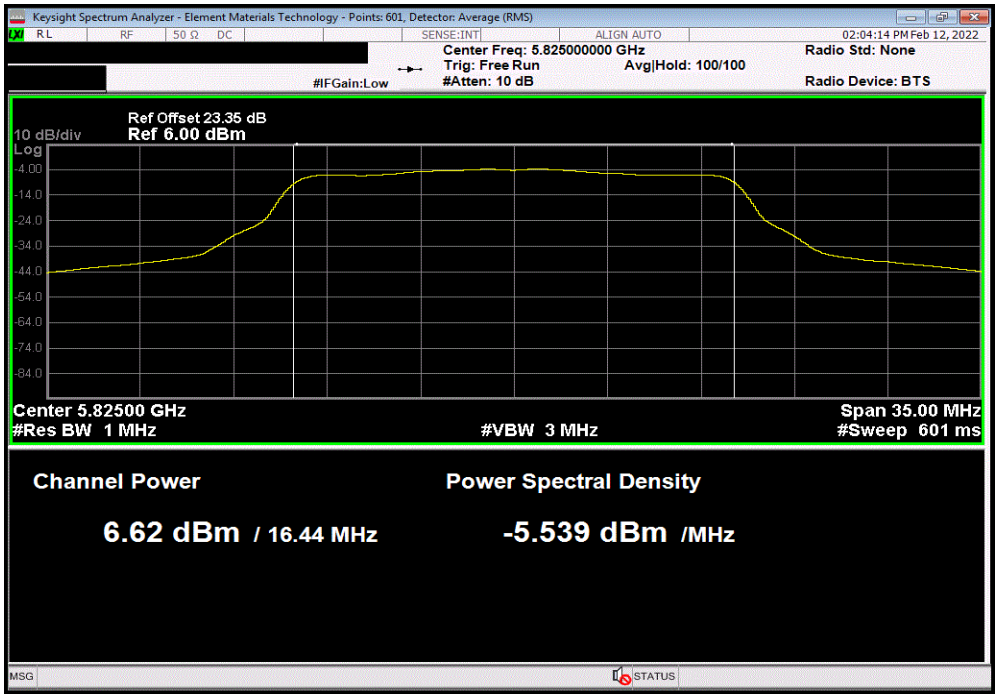


MAXIMUM CONDUCTED OUTPUT POWER - 5.8 GHz BAND

5725 - 5785 MHz Band, 802.11(a) No HT, High Channel, Ch 165 - 5825 MHz, 6 Mbps						
		Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result
		6.865	0.1	7	30	Pass

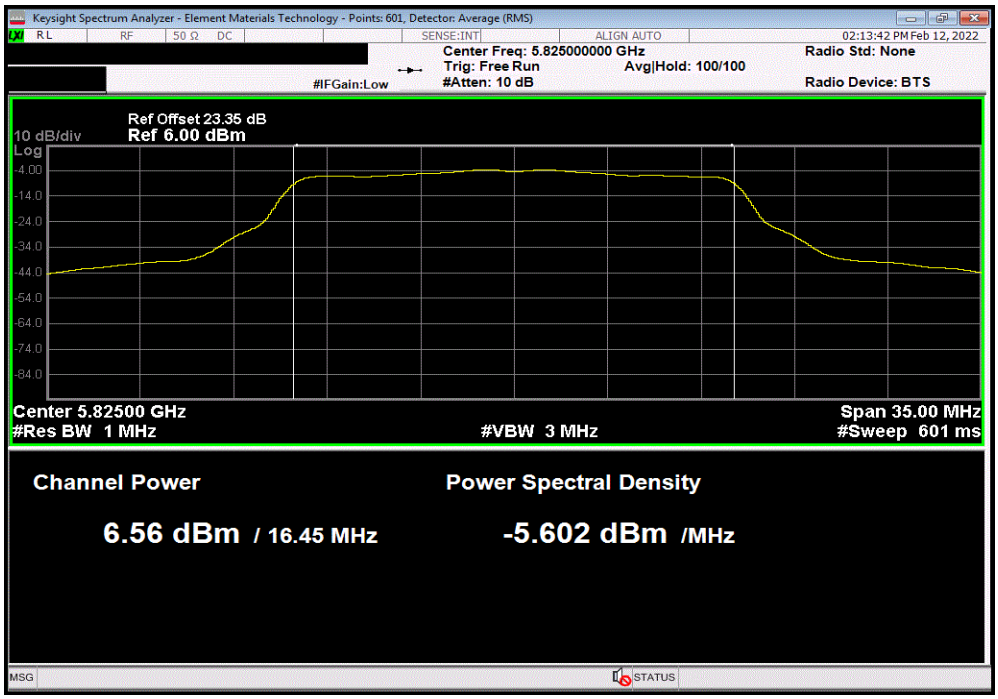


5725 - 5785 MHz Band, 802.11(a) No HT, High Channel, Ch 165 - 5825 MHz, 36 Mbps						
		Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result
		6.621	0.3	6.9	30	Pass

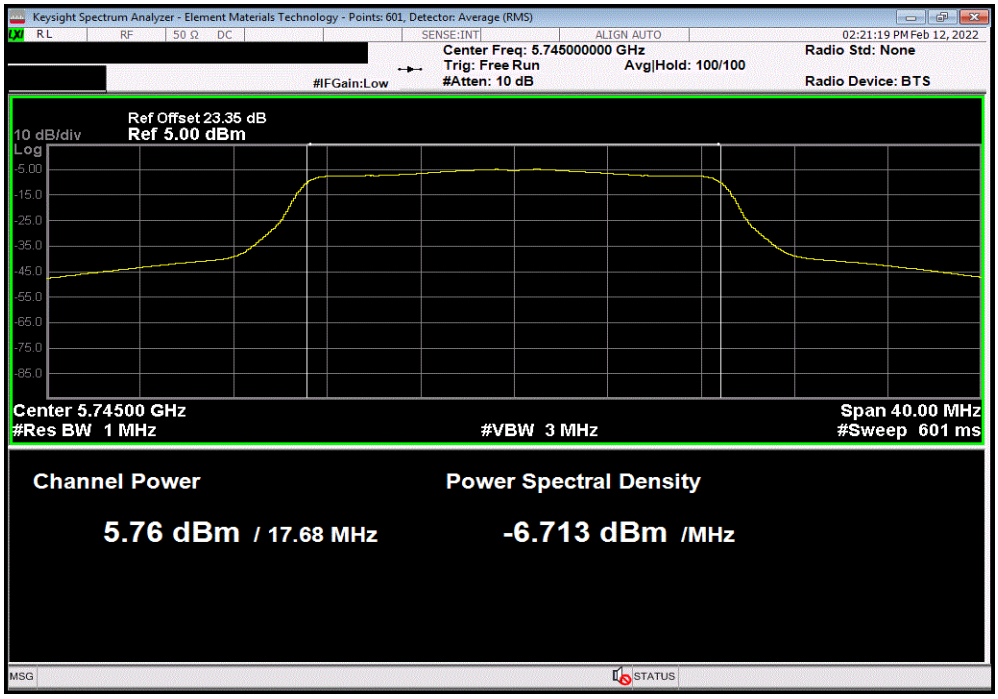


MAXIMUM CONDUCTED OUTPUT POWER - 5.8 GHz BAND

5725 - 5785 MHz Band, 802.11(a) No HT, High Channel, Ch 165 - 5825 MHz, 54 Mbps						
		Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result
		6.56	0.5	7.1	30	Pass

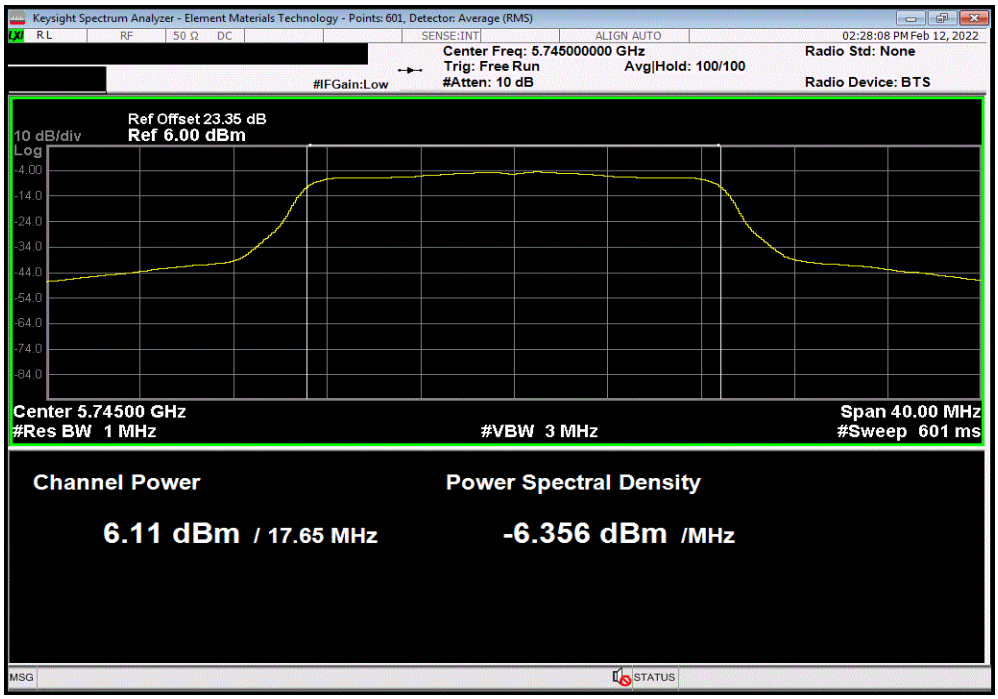


5725 - 5785 MHz Band, 802.11(n/ac) VHT20, Low Channel, Ch 149 - 5745 MHz, MCS0						
		Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result
		5.761	0.1	5.9	30	Pass

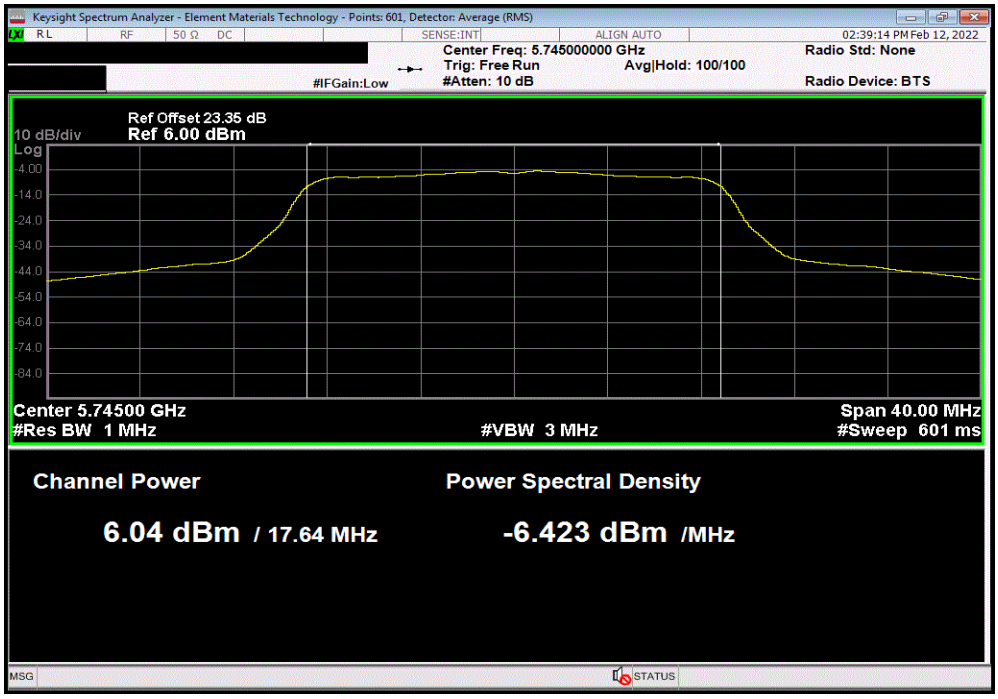


MAXIMUM CONDUCTED OUTPUT POWER - 5.8 GHz BAND

5725 - 5785 MHz Band, 802.11(n/ac) VHT20, Low Channel, Ch 149 - 5745 MHz, MCS7						
		Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result
		6.112	0.5	6.6	30	Pass

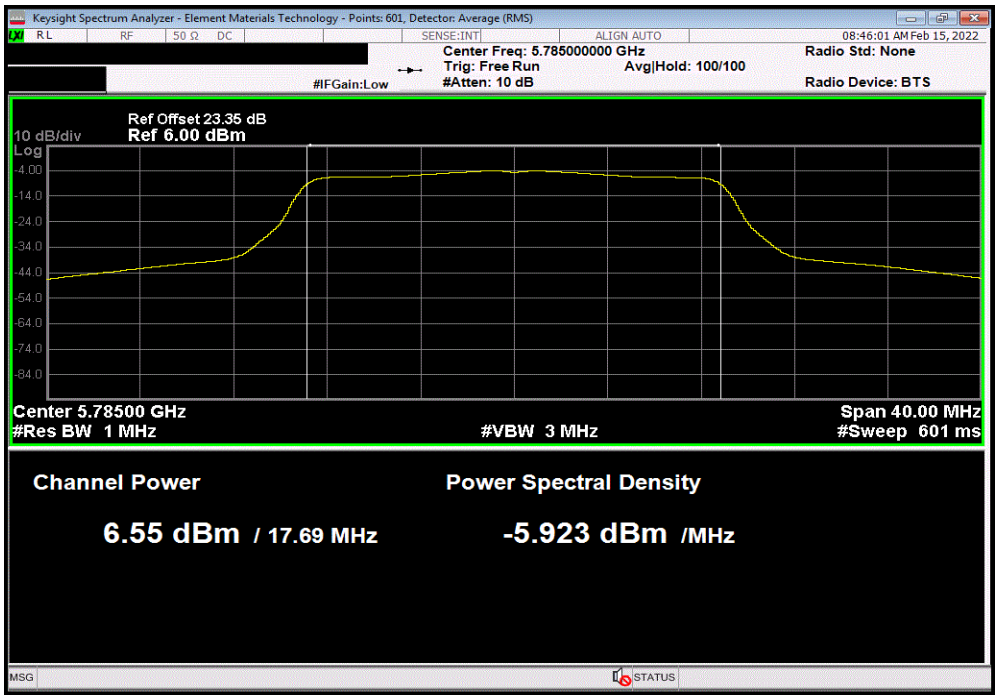


5725 - 5785 MHz Band, 802.11(n/ac) VHT20, Low Channel, Ch 149 - 5745 MHz, MCS8 (256-QAM)						
		Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result
		6.042	0.5	6.5	30	Pass

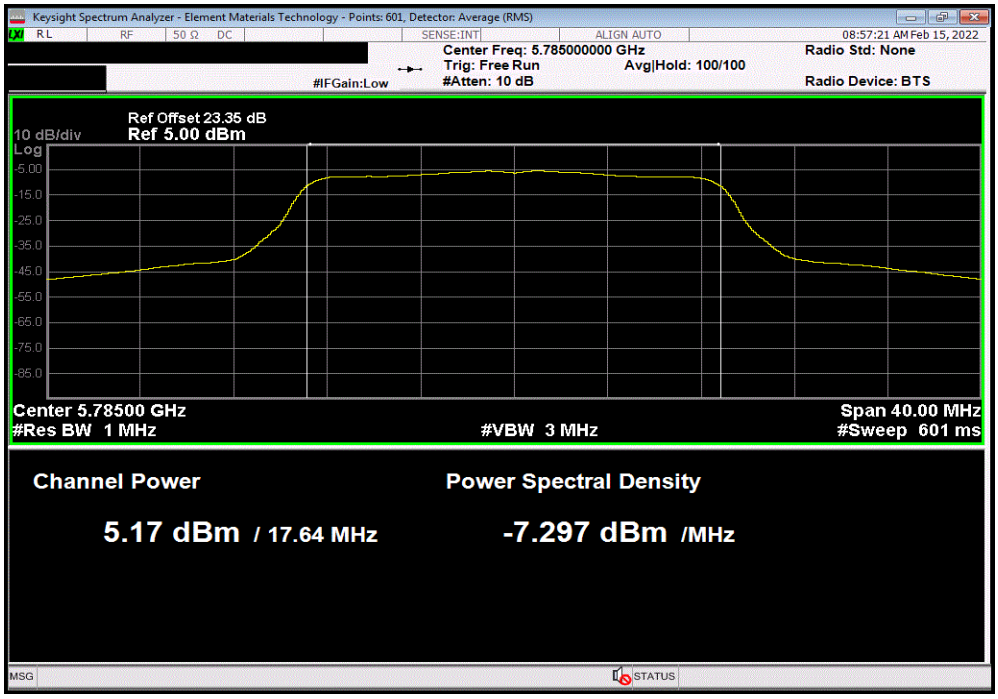


MAXIMUM CONDUCTED OUTPUT POWER - 5.8 GHz BAND

5725 - 5785 MHz Band, 802.11(n/ac) VHT20, Mid Channel, Ch 157 - 5785 MHz, MCS0						
		Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result
		6.555	0.1	6.7	30	Pass

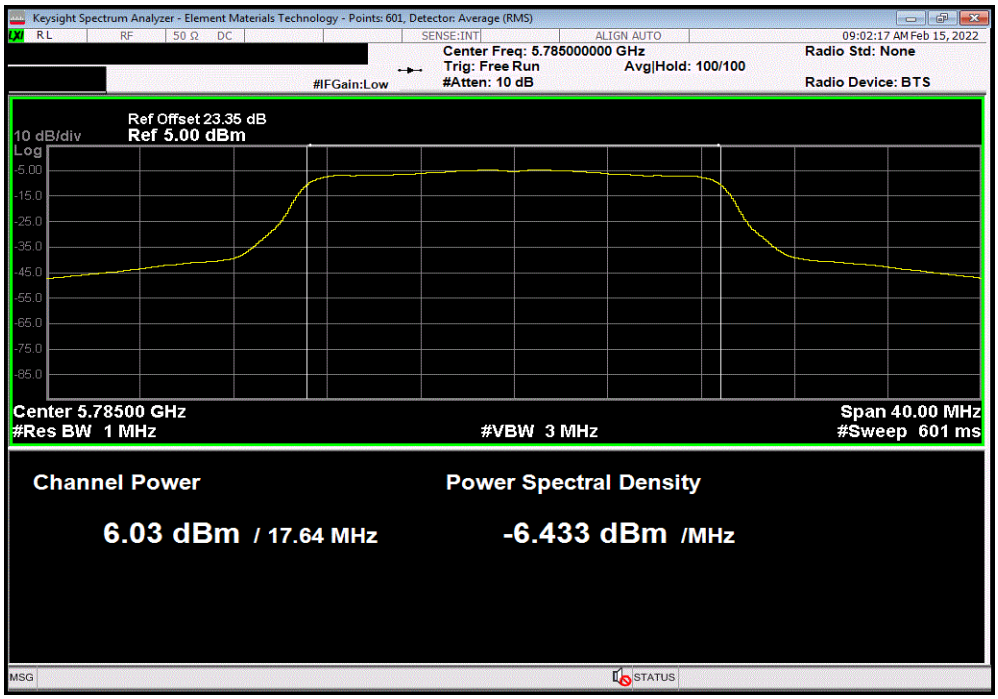


5725 - 5785 MHz Band, 802.11(n/ac) VHT20, Mid Channel, Ch 157 - 5785 MHz, MCS7						
		Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result
		5.168	0.5	5.7	30	Pass

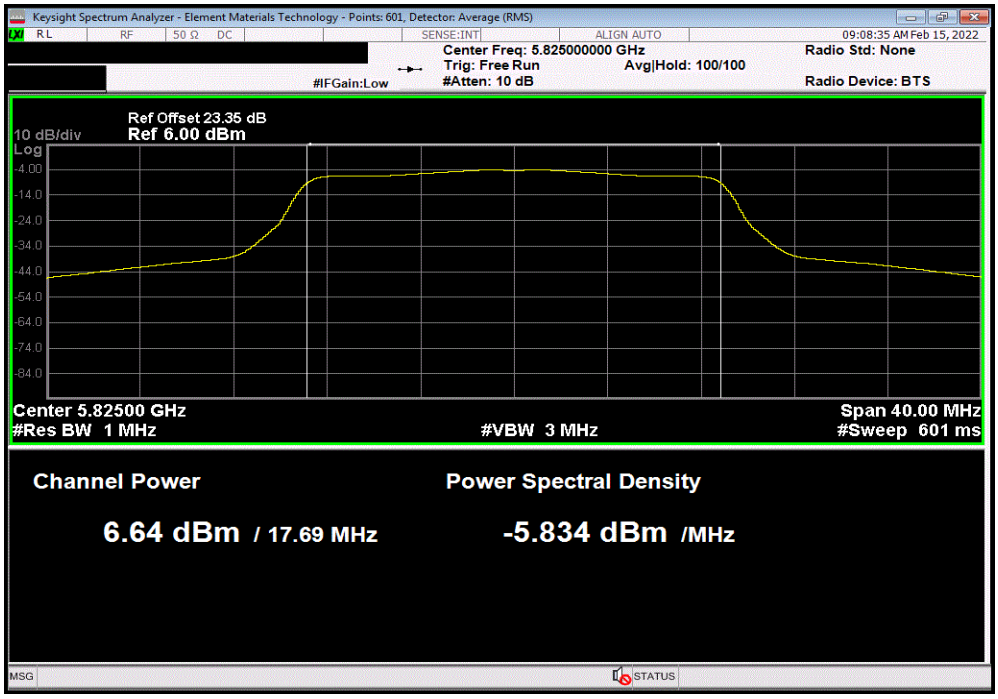


MAXIMUM CONDUCTED OUTPUT POWER - 5.8 GHz BAND

5725 - 5785 MHz Band, 802.11(n/ac) VHT20, Mid Channel, Ch 157 - 5785 MHz, MCS8 (256-QAM)						
		Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result
		6.032	0.5	6.5	30	Pass

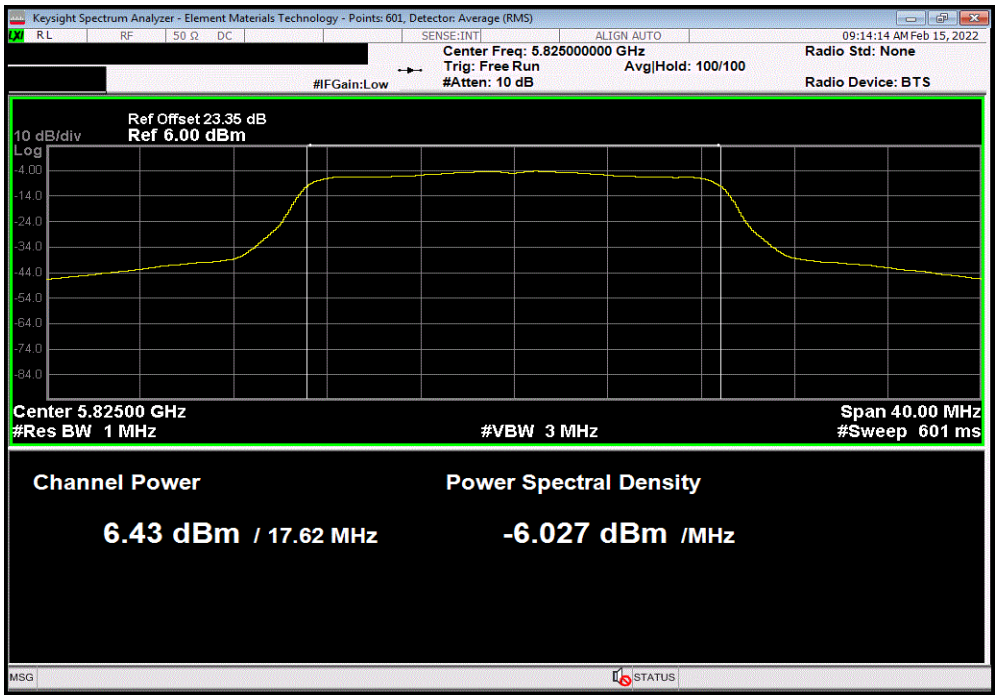


5725 - 5785 MHz Band, 802.11(n/ac) VHT20, High Channel, Ch 165 - 5825 MHz, MCS0						
		Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result
		6.644	0.1	6.7	30	Pass

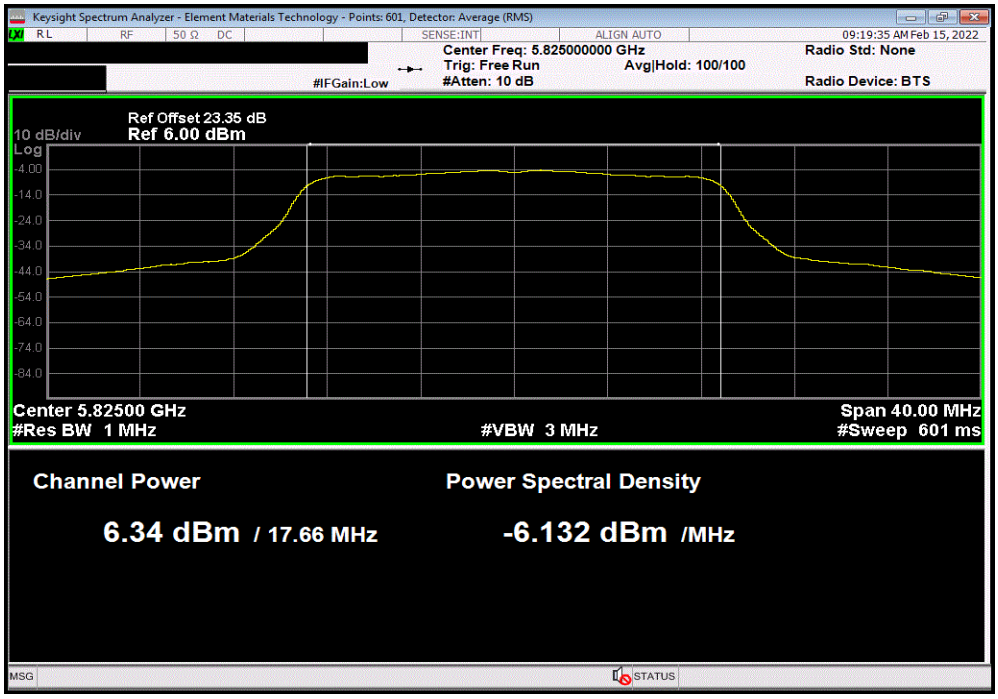


MAXIMUM CONDUCTED OUTPUT POWER - 5.8 GHz BAND

5725 - 5785 MHz Band, 802.11(n/ac) VHT20, High Channel, Ch 165 - 5825 MHz, MCS7						
		Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result
		6.433	0.5	6.9	30	Pass

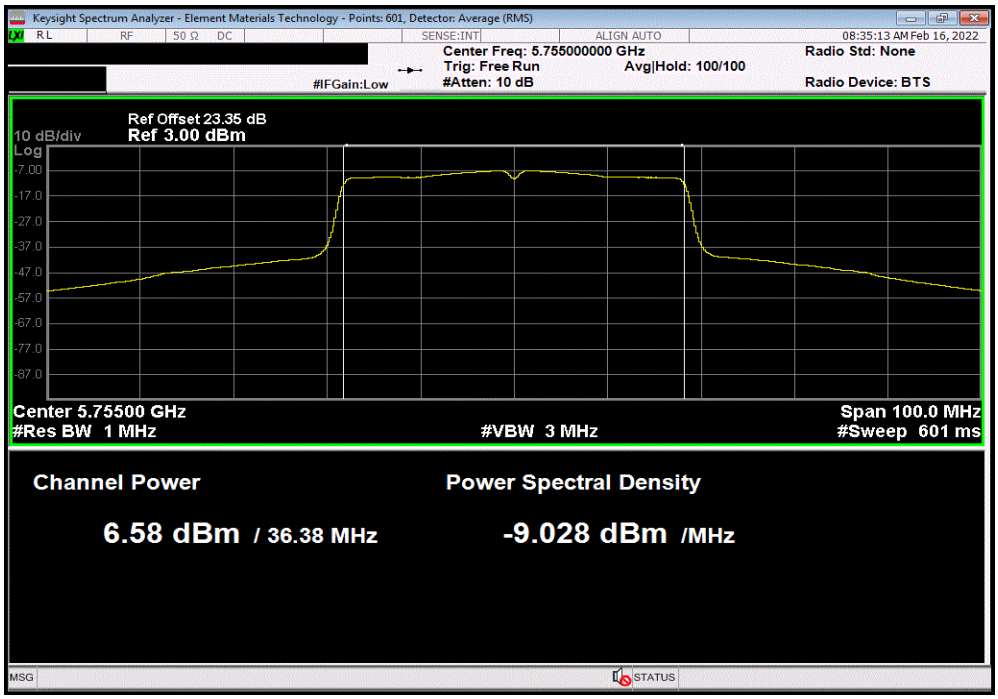


5725 - 5785 MHz Band, 802.11(n/ac) VHT20, High Channel, Ch 165 - 5825 MHz, MCS8 (256-QAM)						
		Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result
		6.338	0.5	6.8	30	Pass

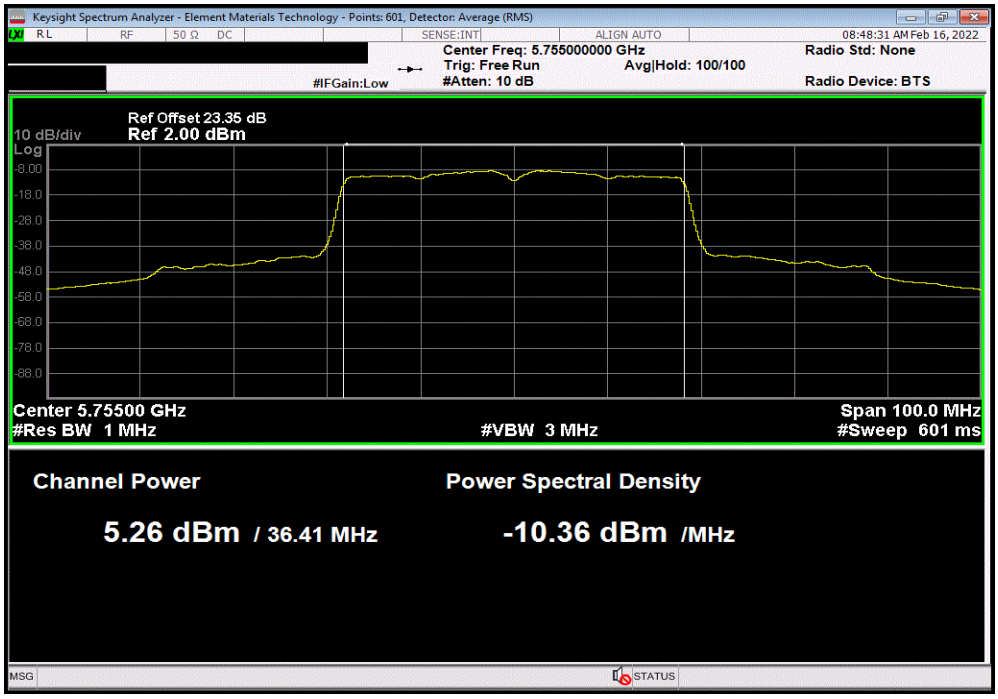


MAXIMUM CONDUCTED OUTPUT POWER - 5.8 GHz BAND

5725 - 5785 MHz Band, 802.11(n/ac) VHT40, Low Channel, Ch 149/153 - 5755 MHz, MCS0						
		Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result
		6.581	0.1	6.7	30	Pass

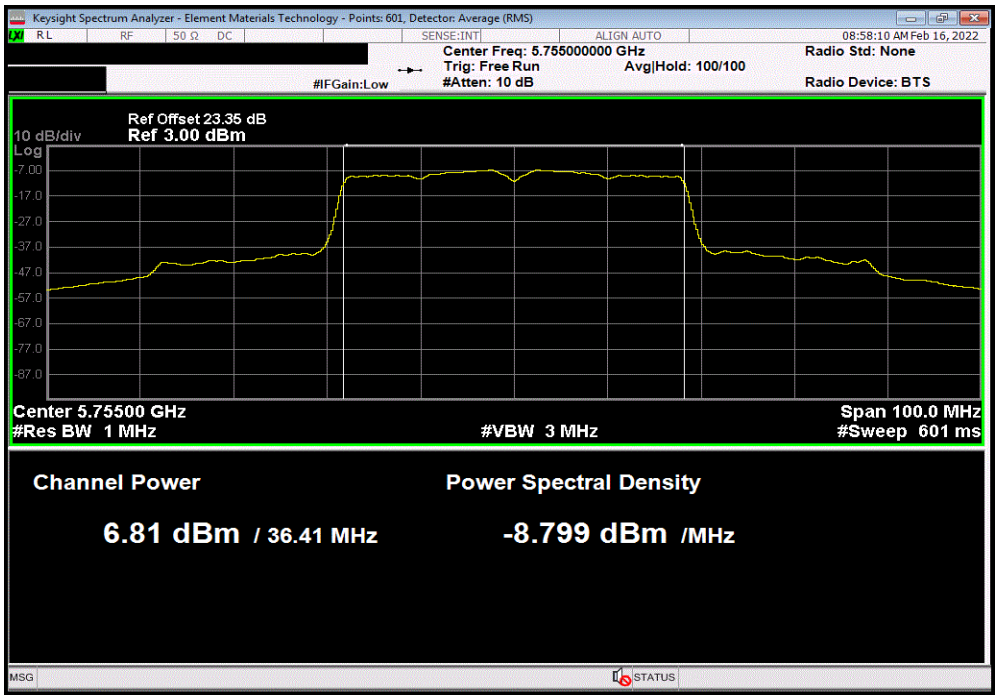


5725 - 5785 MHz Band, 802.11(n/ac) VHT40, Low Channel, Ch 149/153 - 5755 MHz, MCS7						
		Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result
		5.255	0.7	6	30	Pass

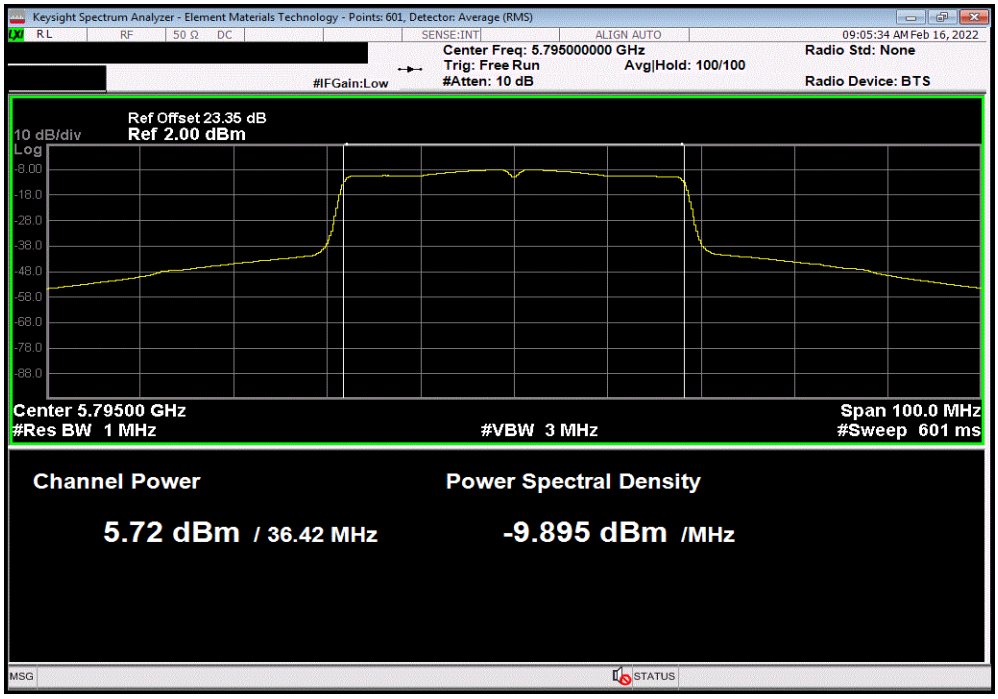


MAXIMUM CONDUCTED OUTPUT POWER - 5.8 GHz BAND

5725 - 5785 MHz Band, 802.11(n/ac) VHT40, Low Channel, Ch 149/153 - 5755 MHz, MCS9 (256-QAM)						
		Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result
		6.814	0.8	7.6	30	Pass

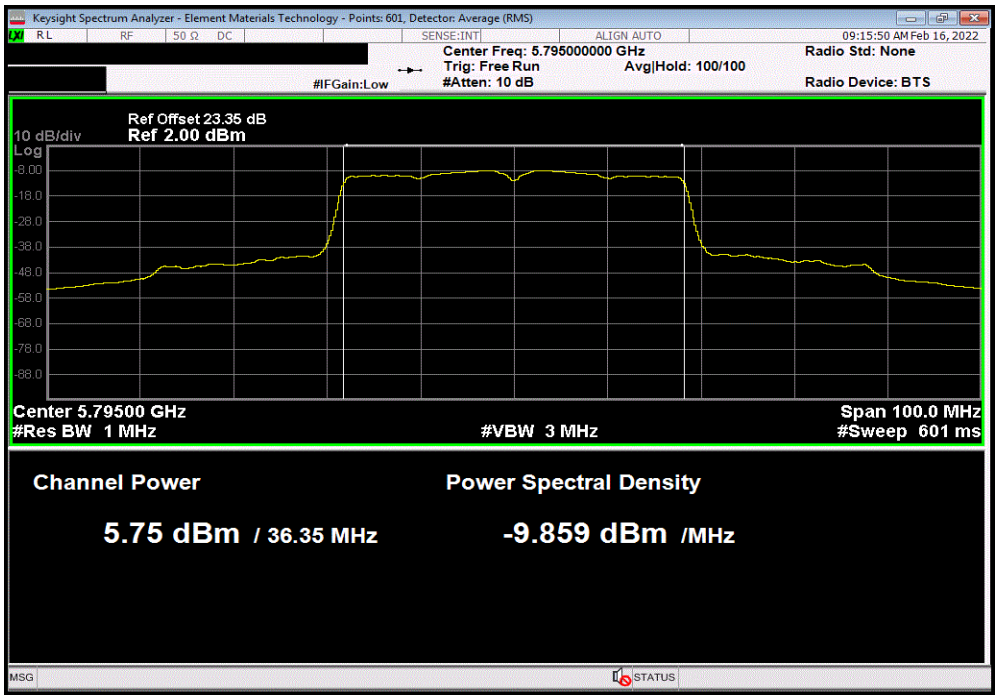


5725 - 5785 MHz Band, 802.11(n/ac) VHT40, High Channel, Ch 157/161 - 5795 MHz, MCS0						
		Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result
		5.718	0.1	5.8	30	Pass

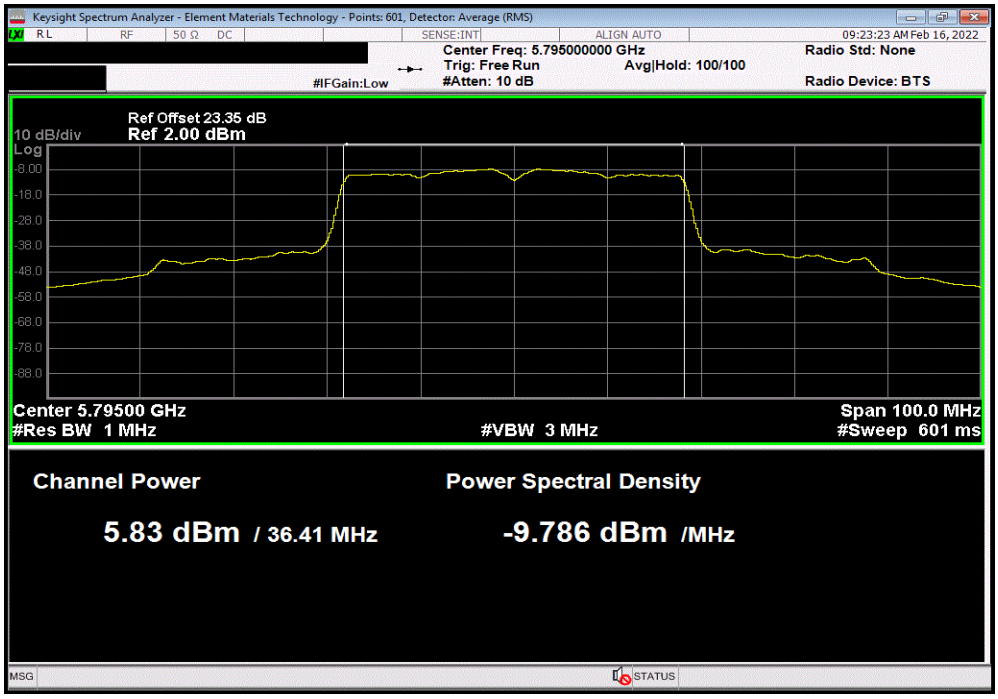


MAXIMUM CONDUCTED OUTPUT POWER - 5.8 GHz BAND

5725 - 5785 MHz Band, 802.11(n/ac) VHT40, High Channel, Ch 157/161 - 5795 MHz, MCS7						
		Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result
		5.747	0.7	6.4	30	Pass

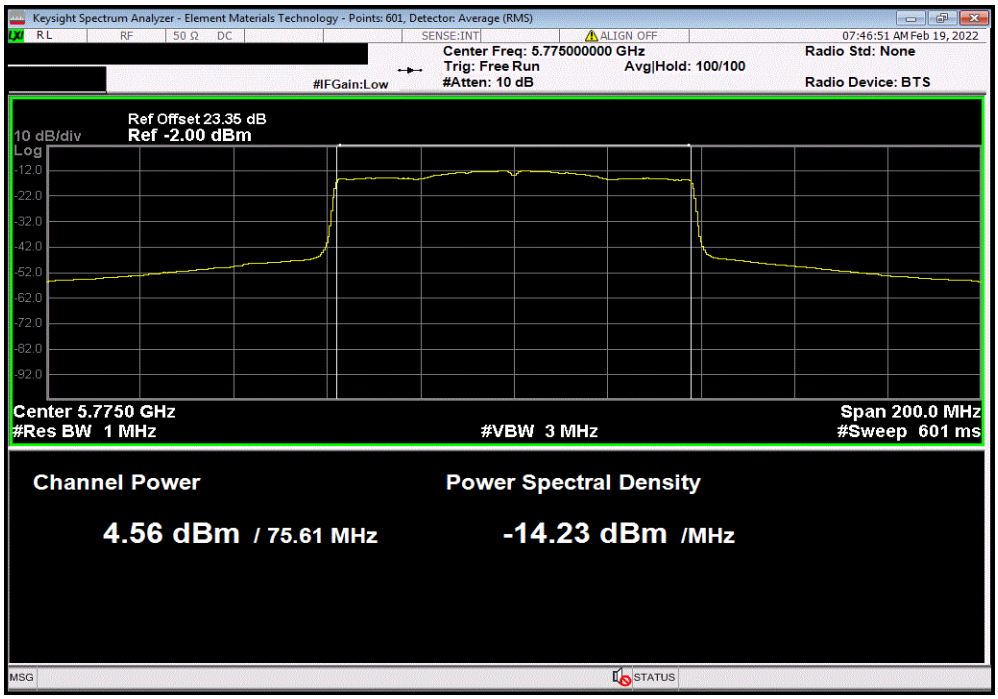


5725 - 5785 MHz Band, 802.11(n/ac) VHT40, High Channel, Ch 157/161 - 5795 MHz, MCS9 (256-QAM)						
		Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result
		5.826	0.8	6.6	30	Pass

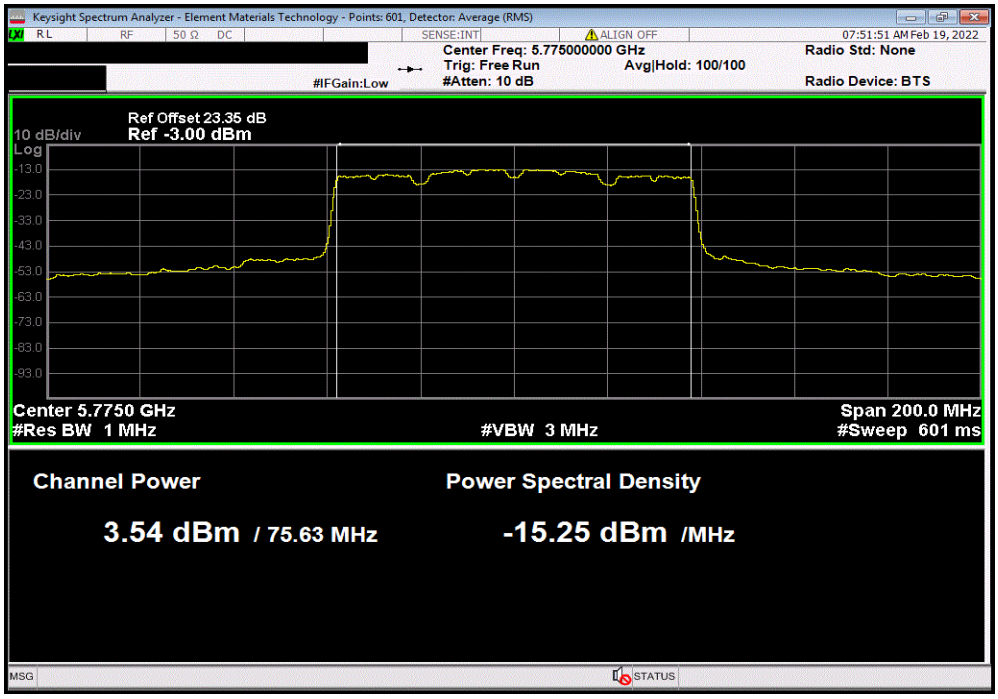


MAXIMUM CONDUCTED OUTPUT POWER - 5.8 GHz BAND

5725 - 5785 MHz Band, 802.11(n/ac) VHT80, Low Channel, Ch 149-161 - 5775 MHz, MCS0						
		Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result
		4.558	0.2	4.8	30	Pass



5725 - 5785 MHz Band, 802.11(n/ac) VHT80, Low Channel, Ch 149-161 - 5775 MHz, MCS9 (256-QAM)						
		Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result
		3.539	1.1	4.6	30	Pass



EQUIVALENT ISOTROPIC RADIATED POWER (EIRP) - 5.2 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
Generator - Signal	Keysight	N5182B	TFU	2020-11-20	2022-11-20
Cable	Micro-Coax	UFD150A-1-0720-200200	EVH	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	Agilent	E4440A	AFE	2021-04-08	2022-04-08

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*LOG(1/D) where D is the duty cycle.

Equivalent Isotropic Radiated Power (EIRP) = Max Measured Power + Antenna gain (dBi).

EQUIVALENT ISOTROPIC RADIATED POWER (EIRP) - 5.2 GHz BAND

element

TbtTx 2021.03.19.1 XMit 2020.12.30.0

EUT:	43.0536.00			**Work Order:**	A-DE0162
Serial Number:	SN001 00003			**Date:**	28-Jun-21
Customer:	A-dec, Inc.			**Temperature:**	24.9 °C
Attendees:	Zach Lyda			**Humidity:**	49.1% RH
Project:	None			**Barometric Pres.:**	1006 mbar
Tested by:	Jeff Alcoke	**Power:**	3.3 VDC via 110VAC/60Hz	**Job Site:**	EV06

TEST SPECIFICATIONS	**Test Method**
FCC 15.407:2021	ANSI C63.10:2013

COMMENTS

Reference level offset: DC Block, 20 dB attenuator, and measurement cable.

DEVIATIONS FROM TEST STANDARD

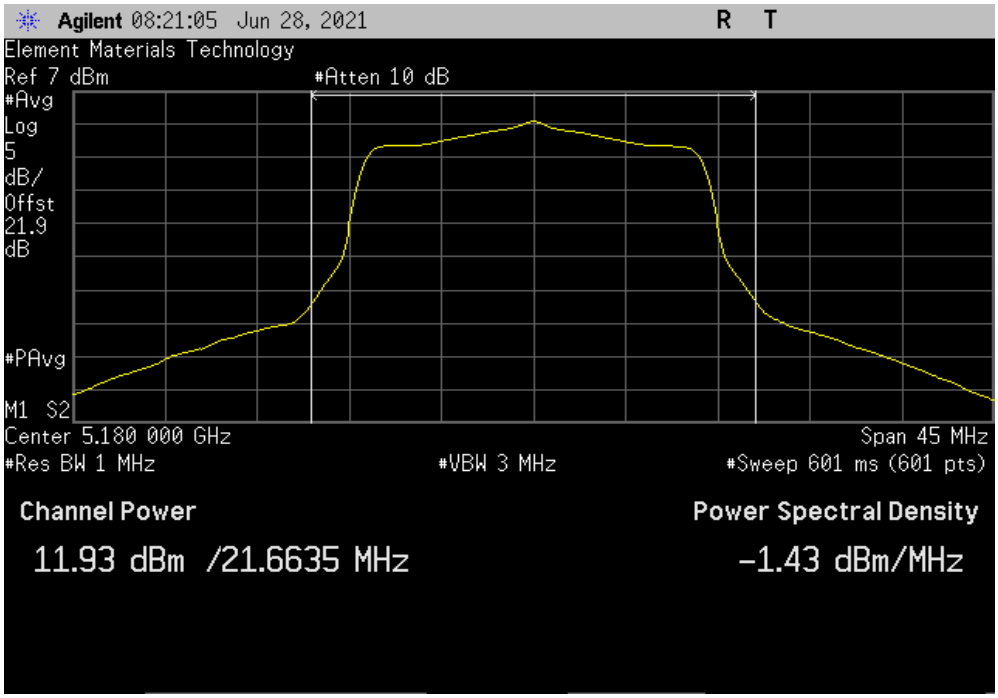
None

Configuration #	1	*Signature*

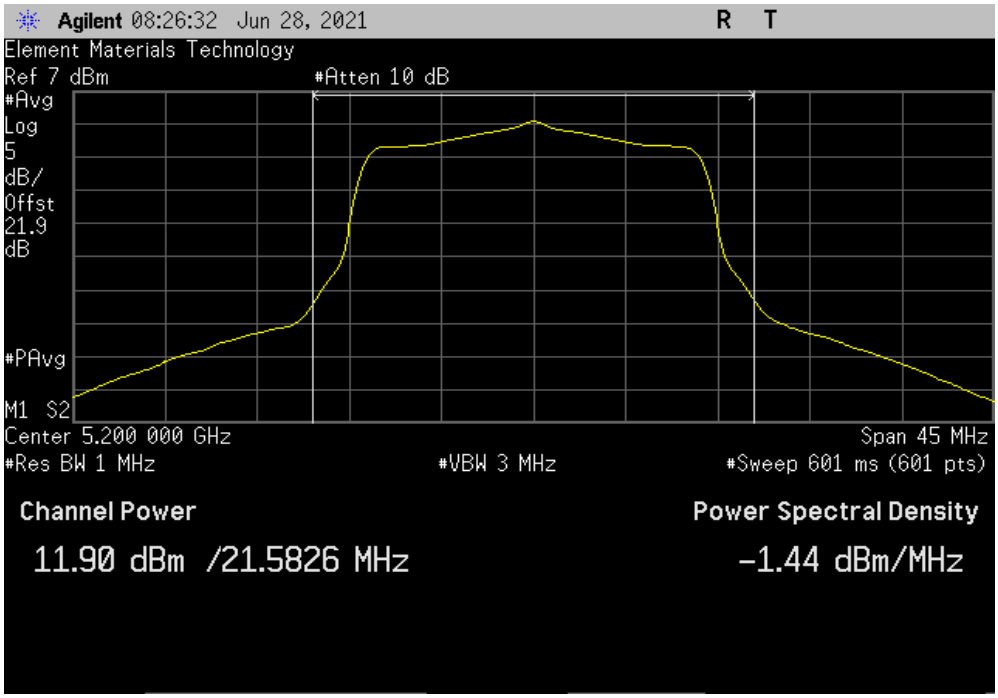
		Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result
20 MHz								
	802.11(a) 6 Mbps							
	Ch 36, Low Channel 5180 MHz	11.928	0.1	12	5.2	29.2	30	Pass
	Ch 40, Mid Channel 5200 MHz	11.897	0.1	12	5.2	29.2	30	Pass
	Ch 48, High Channel 5240 MHz	11.972	0.1	12	5.2	29.3	30	Pass
	802.11(a) 36 Mbps							
	Ch 36, Low Channel 5180 MHz	11.722	0.3	12	5.2	29.2	30	Pass
	Ch 40, Mid Channel 5200 MHz	11.694	0.3	12	5.2	29.2	30	Pass
	Ch 48, High Channel 5240 MHz	11.588	0.3	11.9	5.2	29.0	30	Pass
	802.11(a) 54 Mbps							
	Ch 36, Low Channel 5180 MHz	11.77	0.5	12.2	5.2	29.7	30	Pass
	Ch 40, Mid Channel 5200 MHz	11.631	0.5	12.1	5.2	29.4	30	Pass
	Ch 48, High Channel 5240 MHz	11.548	0.5	12	5.2	29.2	30	Pass
	802.11(n) MCS0							
	Ch 36, Low Channel 5180 MHz	11.743	0.1	11.8	5.2	28.8	30	Pass
	Ch 40, Mid Channel 5200 MHz	11.694	0.1	11.8	5.2	28.8	30	Pass
	Ch 48, High Channel 5240 MHz	11.781	0.1	11.9	5.2	29.0	30	Pass
	802.11(n) MCS7							
	Ch 36, Low Channel 5180 MHz	11.494	0.5	12	5.2	29.2	30	Pass
	Ch 40, Mid Channel 5200 MHz	11.455	0.5	11.9	5.2	29.1	30	Pass
	Ch 48, High Channel 5240 MHz	11.261	0.5	11.7	5.2	28.7	30	Pass
	802.11(ac) MCS8 (256-QAM)							
	Ch 36, Low Channel 5180 MHz	9.065	0.5	9.6	5.2	24.4	30	Pass
	Ch 40, Mid Channel 5200 MHz	8.748	0.5	9.3	5.2	23.7	30	Pass
	Ch 48, High Channel 5240 MHz	8.794	0.5	9.3	5.2	23.8	30	Pass
40 MHz								
	802.11(n) MCS0							
	Ch 36/40, Low Channel 5190 MHz	7.962	0.1	8.1	5.2	21.4	30	Pass
	Ch 44/48, High Channel 5230 MHz	7.88	0.1	8	5.2	21.2	30	Pass
	802.11(n) MCS7							
	Ch 36/40, Low Channel 5190 MHz	7.266	0.7	8	5.2	21.2	30	Pass
	Ch 44/48, High Channel 5230 MHz	7.169	0.7	7.9	5.2	21.0	30	Pass
	802.11(ac) MCS9 (256-QAM)							
	Ch 36/40, Low Channel 5190 MHz	8.206	0.8	9	5.2	23.2	30	Pass
	Ch 44/48, High Channel 5230 MHz	8.033	0.8	8.8	5.2	22.8	30	Pass
80 MHz								
	802.11(ac) MCS0							
	Ch 36-48, Low Channel 5210 MHz	6.912	0.2	7.1	5.2	19.4	30	Pass
	802.11(ac) MCS9 (256-QAM)							
	Ch 36-48, Low Channel 5210 MHz	6.014	1.1	7.1	5.2	19.4	30	Pass

EQUIVALENT ISOTROPIC RADIATED POWER (EIRP) - 5.2 GHz BAND

20 MHz, 802.11(a) 6 Mbps, Ch 36, Low Channel 5180 MHz						
Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result
11.928	0.1	12	5.2	29.2	30	Pass

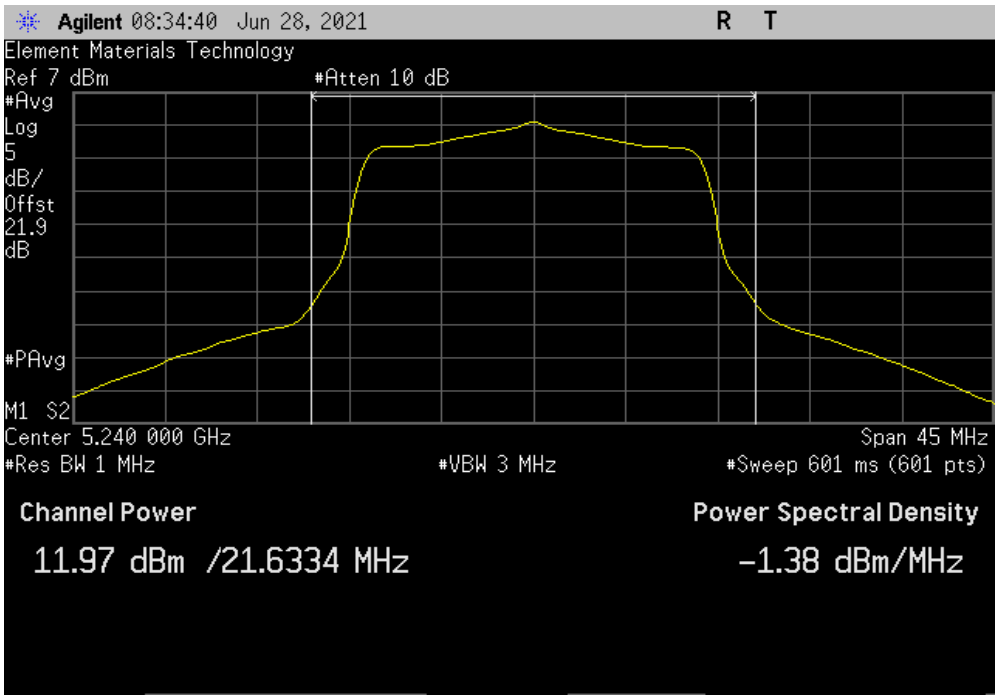


20 MHz, 802.11(a) 6 Mbps, Ch 40, Mid Channel 5200 MHz						
Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result
11.897	0.1	12	5.2	29.2	30	Pass

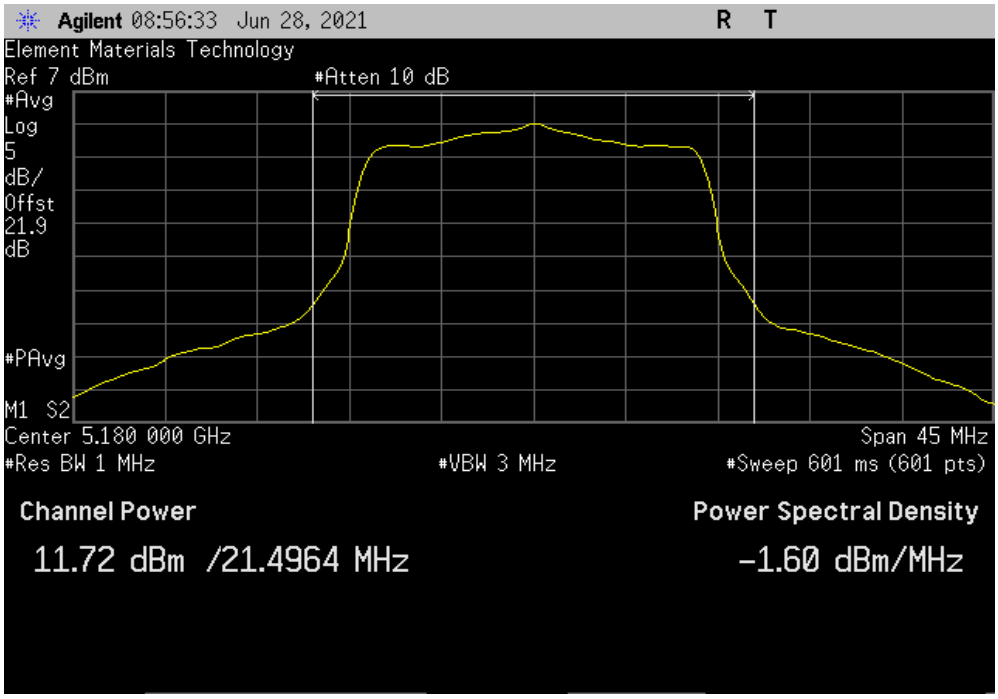


EQUIVALENT ISOTROPIC RADIATED POWER (EIRP) - 5.2 GHz BAND

20 MHz, 802.11(a) 6 Mbps, Ch 48, High Channel 5240 MHz						
Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result
11.972	0.1	12	5.2	29.3	30	Pass



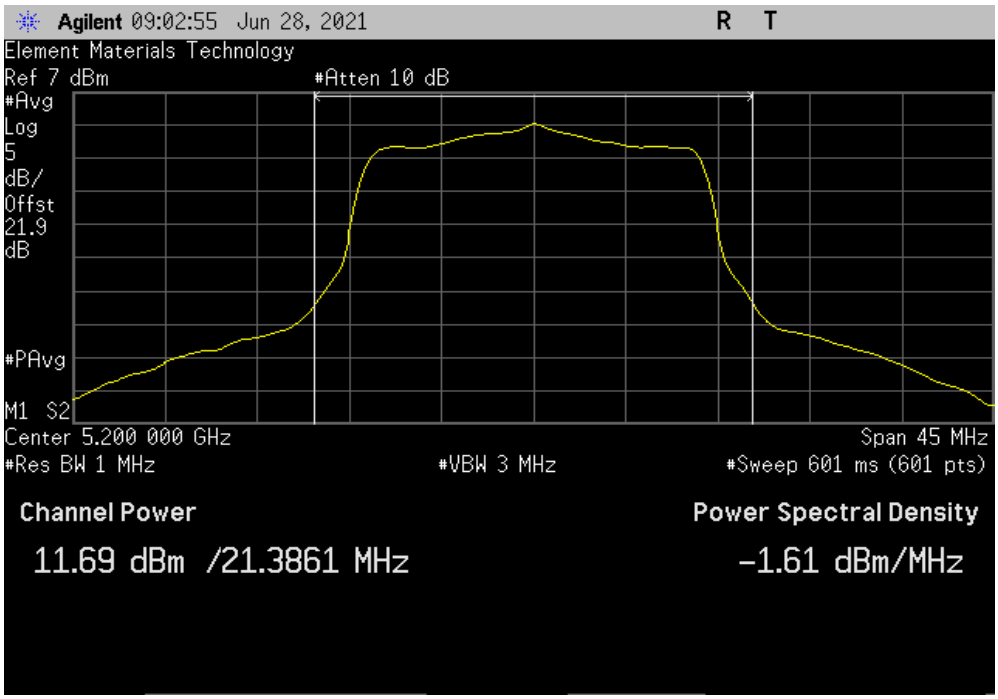
20 MHz, 802.11(a) 36 Mbps, Ch 36, Low Channel 5180 MHz						
Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result
11.722	0.3	12	5.2	29.2	30	Pass



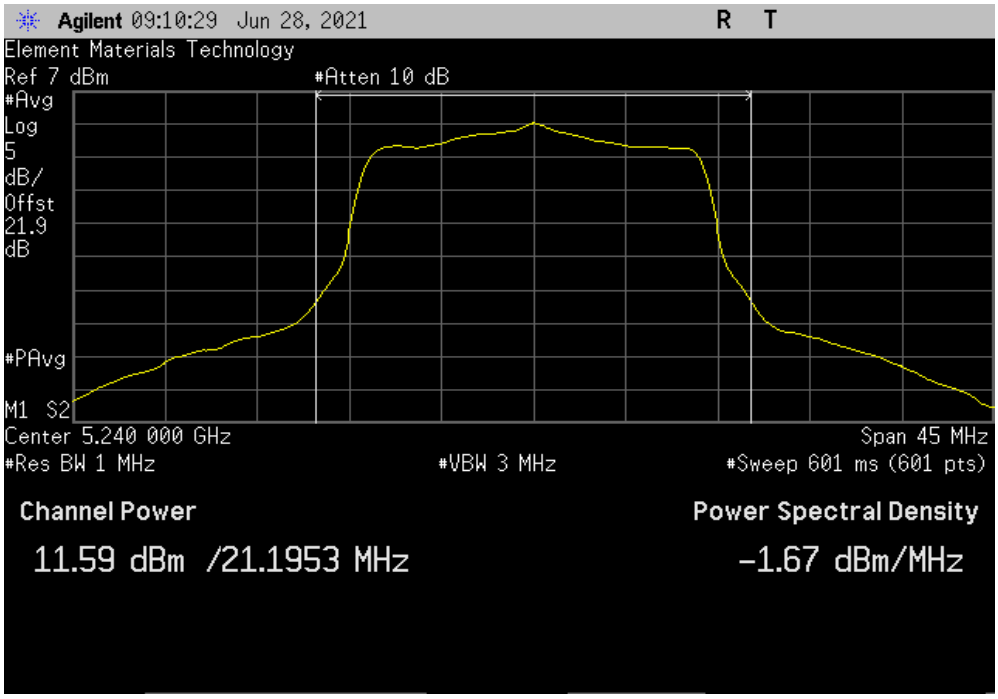
EQUIVALENT ISOTROPIC RADIATED POWER (EIRP) - 5.2 GHz BAND

TbtTx 2021.03.19.1 XMit 2020.12.30.0

20 MHz, 802.11(a) 36 Mbps, Ch 40, Mid Channel 5200 MHz						
Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result
11.694	0.3	12	5.2	29.2	30	Pass

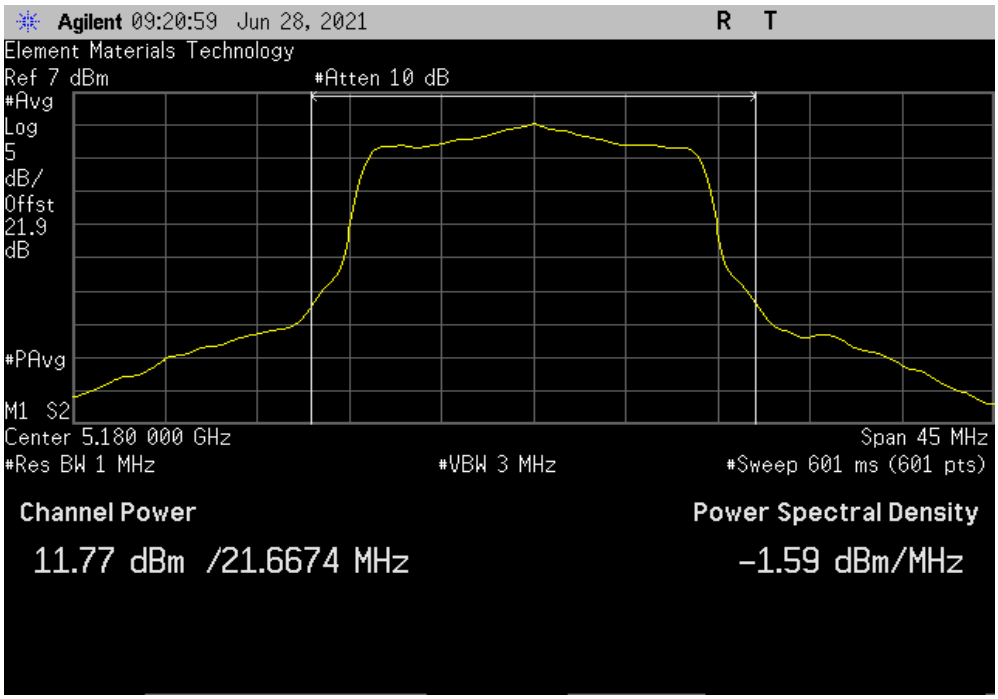


20 MHz, 802.11(a) 36 Mbps, Ch 48, High Channel 5240 MHz						
Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result
11.588	0.3	11.9	5.2	29.0	30	Pass

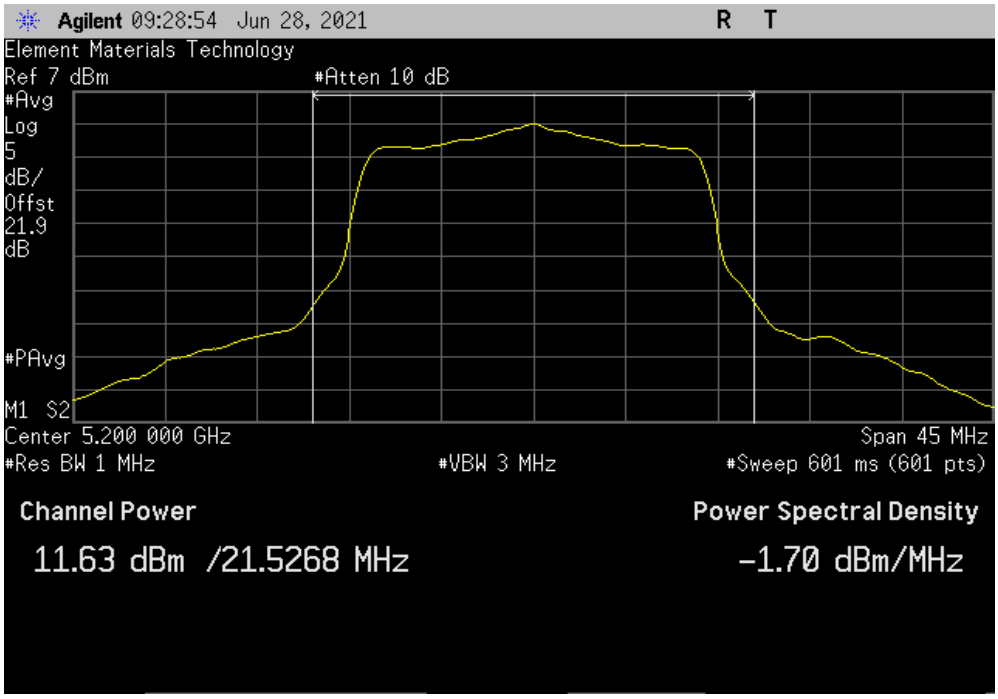


EQUIVALENT ISOTROPIC RADIATED POWER (EIRP) - 5.2 GHz BAND

20 MHz, 802.11(a) 54 Mbps, Ch 36, Low Channel 5180 MHz						
Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result
11.77	0.5	12.2	5.2	29.7	30	Pass

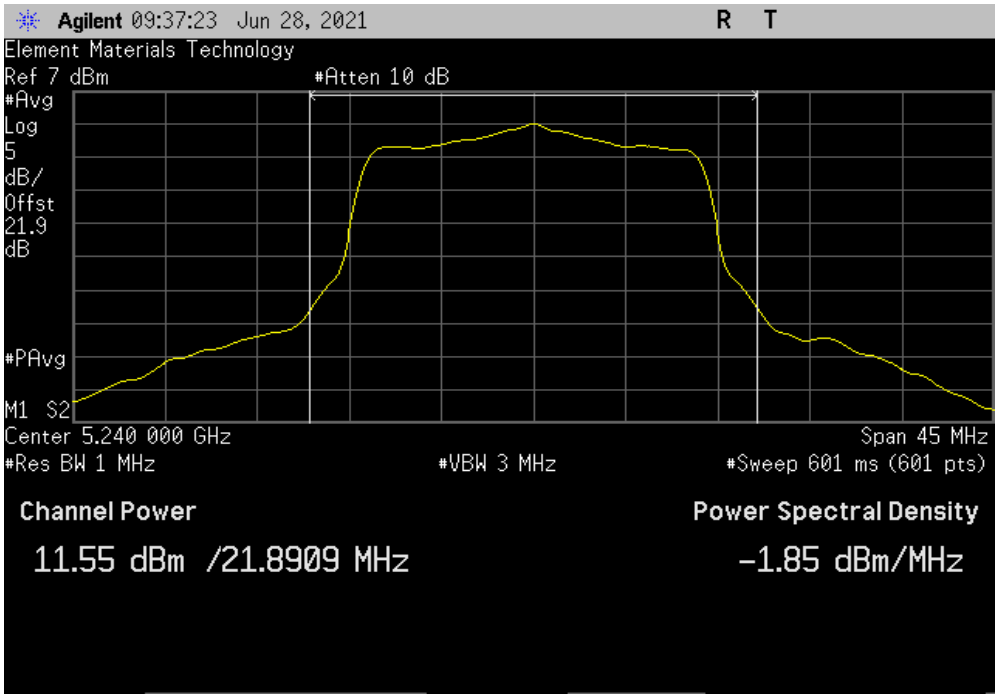


20 MHz, 802.11(a) 54 Mbps, Ch 40, Mid Channel 5200 MHz						
Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result
11.631	0.5	12.1	5.2	29.4	30	Pass

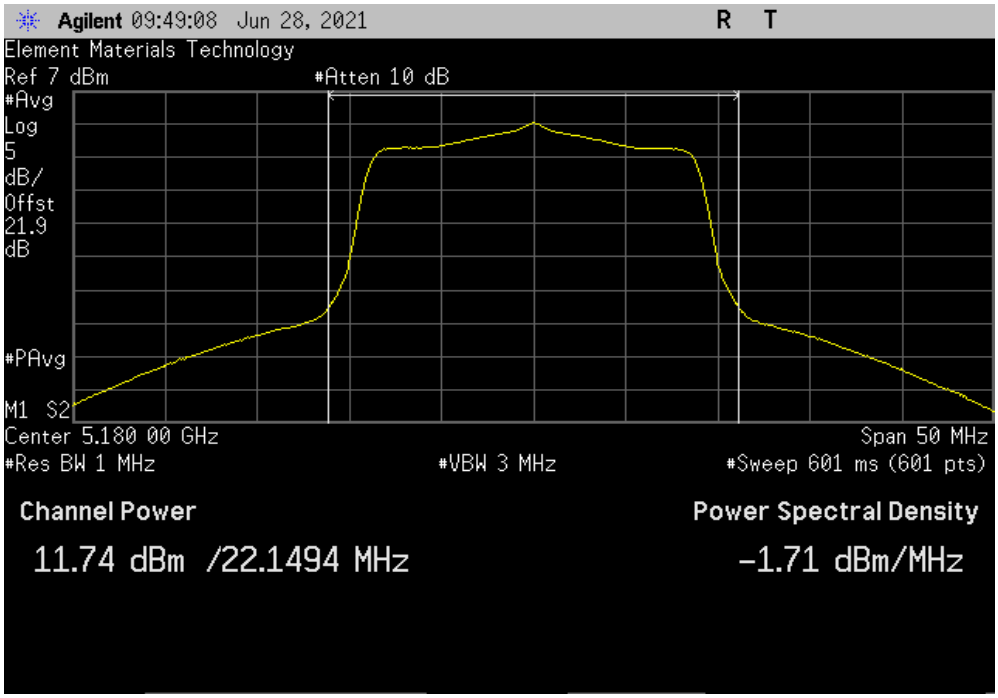


EQUIVALENT ISOTROPIC RADIATED POWER (EIRP) - 5.2 GHz BAND

20 MHz, 802.11(a) 54 Mbps, Ch 48, High Channel 5240 MHz						
Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result
11.548	0.5	12	5.2	29.2	30	Pass

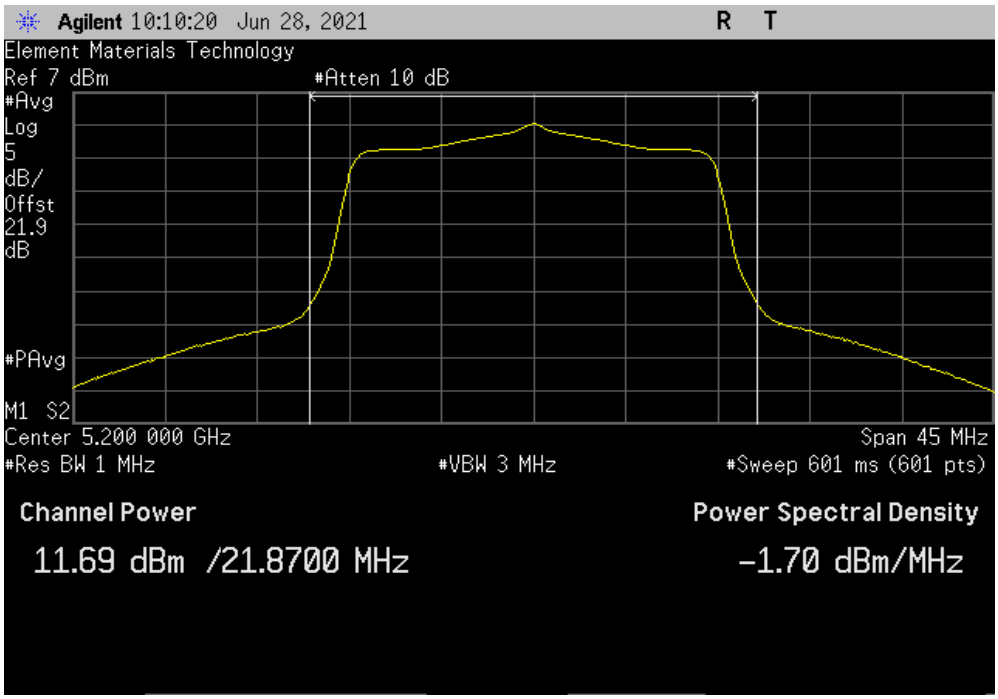


20 MHz, 802.11(n) MCS0, Ch 36, Low Channel 5180 MHz						
Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result
11.743	0.1	11.8	5.2	28.8	30	Pass

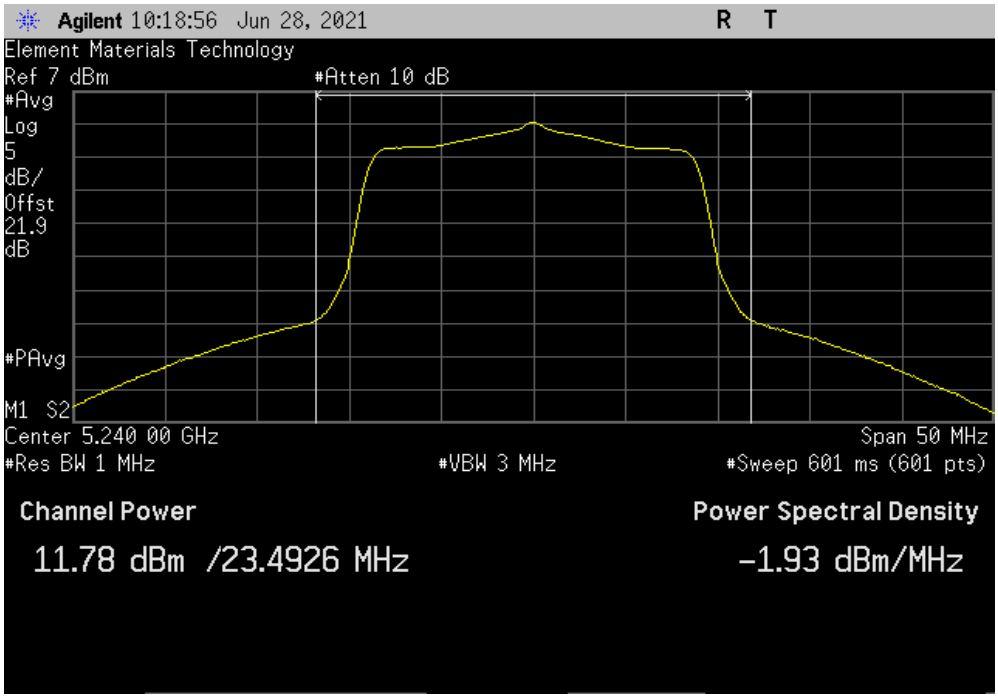


EQUIVALENT ISOTROPIC RADIATED POWER (EIRP) - 5.2 GHz BAND

20 MHz, 802.11(n) MCS0, Ch 40, Mid Channel 5200 MHz						
Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result
11.694	0.1	11.8	5.2	28.8	30	Pass

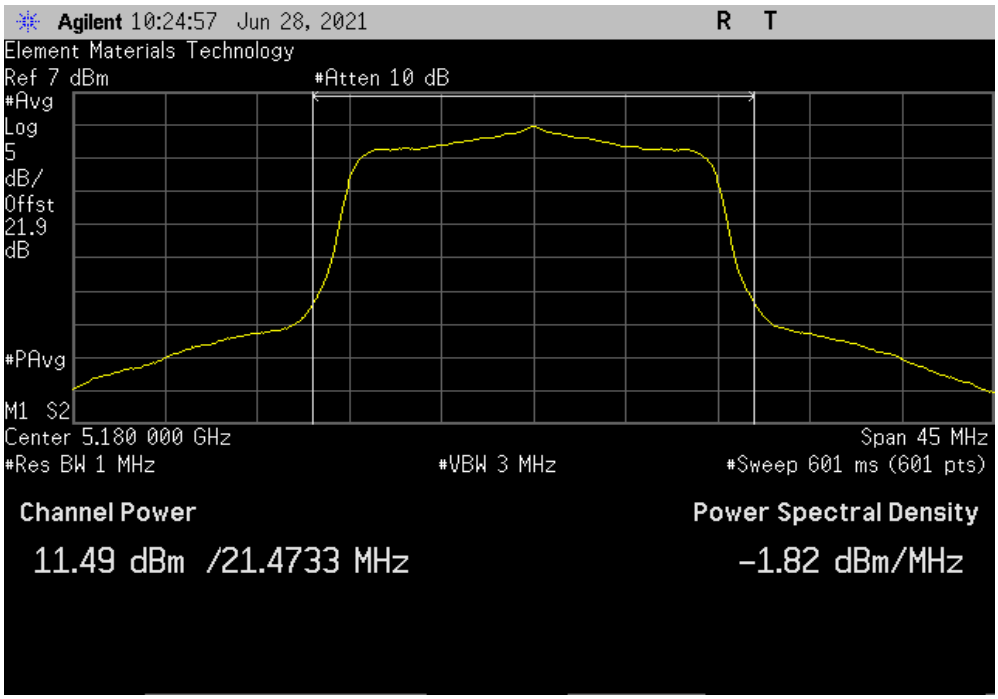


20 MHz, 802.11(n) MCS0, Ch 48, High Channel 5240 MHz						
Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result
11.781	0.1	11.9	5.2	29.0	30	Pass

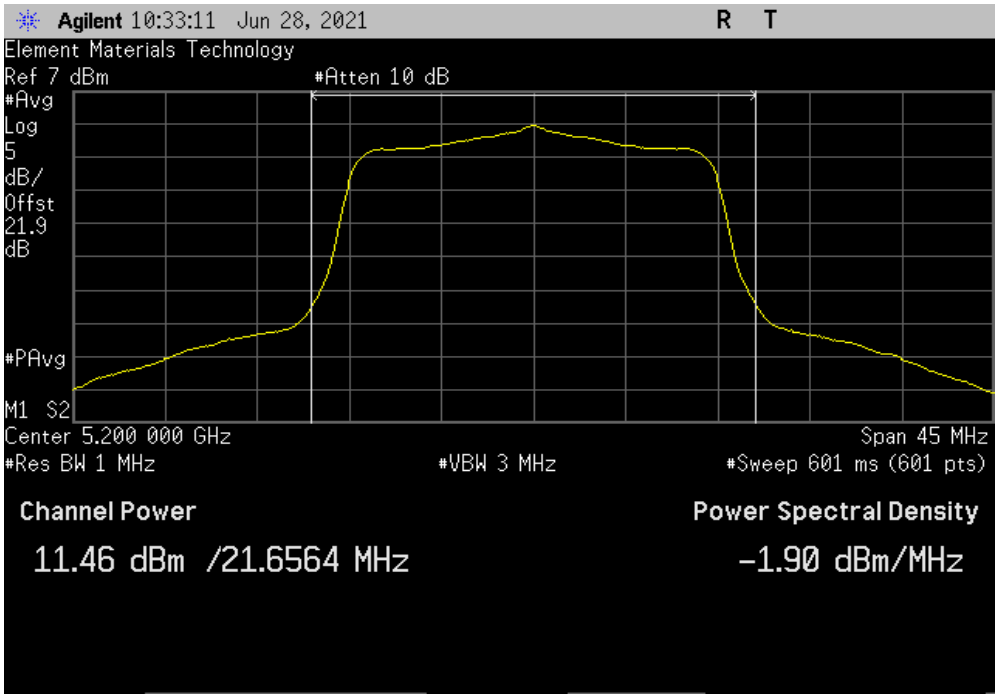


EQUIVALENT ISOTROPIC RADIATED POWER (EIRP) - 5.2 GHz BAND

20 MHz, 802.11(n) MCS7, Ch 36, Low Channel 5180 MHz						
Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result
11.494	0.5	12	5.2	29.2	30	Pass

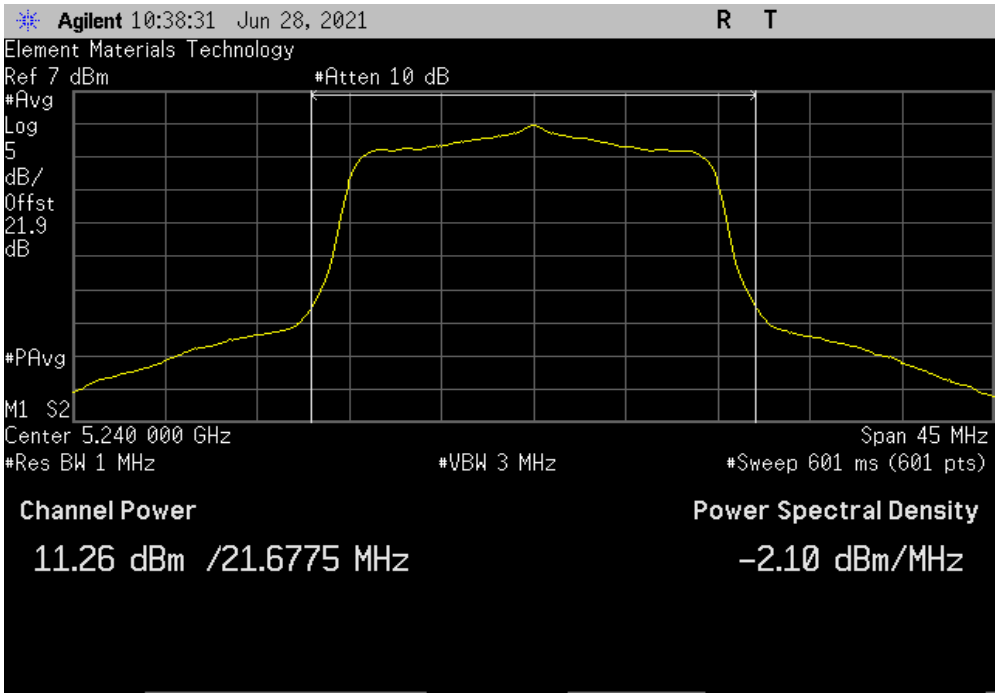


20 MHz, 802.11(n) MCS7, Ch 40, Mid Channel 5200 MHz						
Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result
11.455	0.5	11.9	5.2	29.1	30	Pass

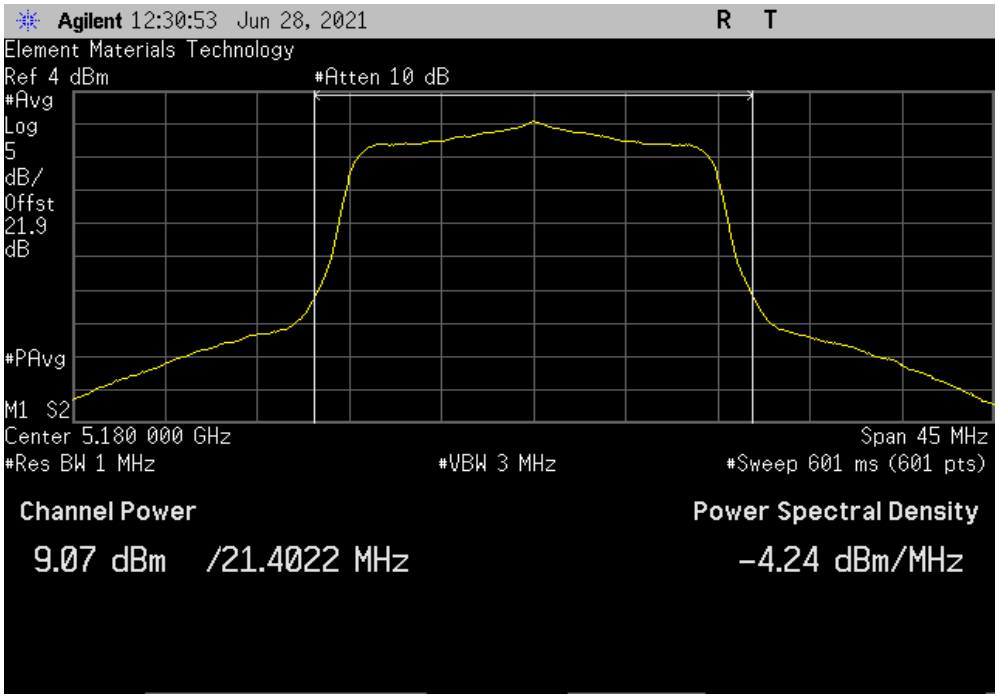


EQUIVALENT ISOTROPIC RADIATED POWER (EIRP) - 5.2 GHz BAND

20 MHz, 802.11(n) MCS7, Ch 48, High Channel 5240 MHz						
Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result
11.261	0.5	11.7	5.2	28.7	30	Pass

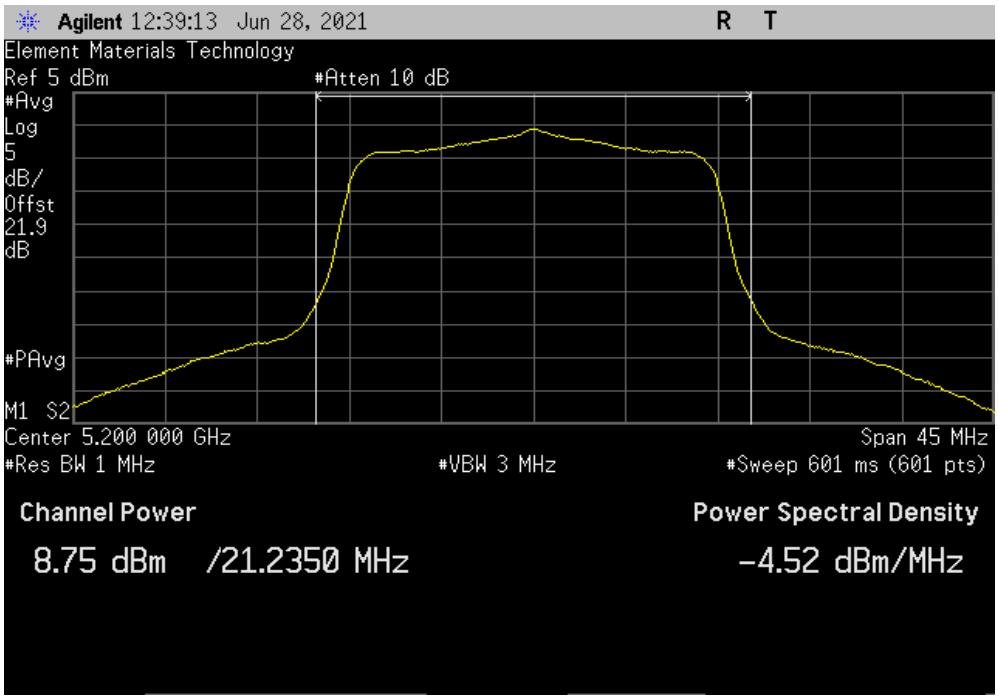


20 MHz, 802.11(ac) MCS8 (256-QAM), Ch 36, Low Channel 5180 MHz						
Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result
9.065	0.5	9.6	5.2	24.4	30	Pass

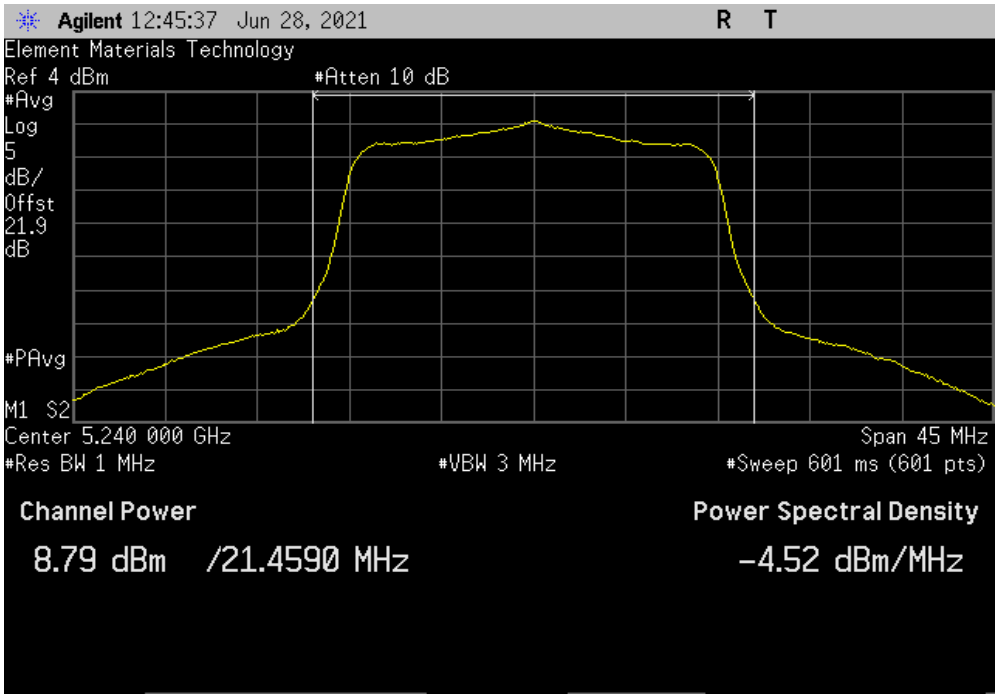


EQUIVALENT ISOTROPIC RADIATED POWER (EIRP) - 5.2 GHz BAND

20 MHz, 802.11(ac) MCS8 (256-QAM), Ch 40, Mid Channel 5200 MHz						
Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result
8.748	0.5	9.3	5.2	23.7	30	Pass

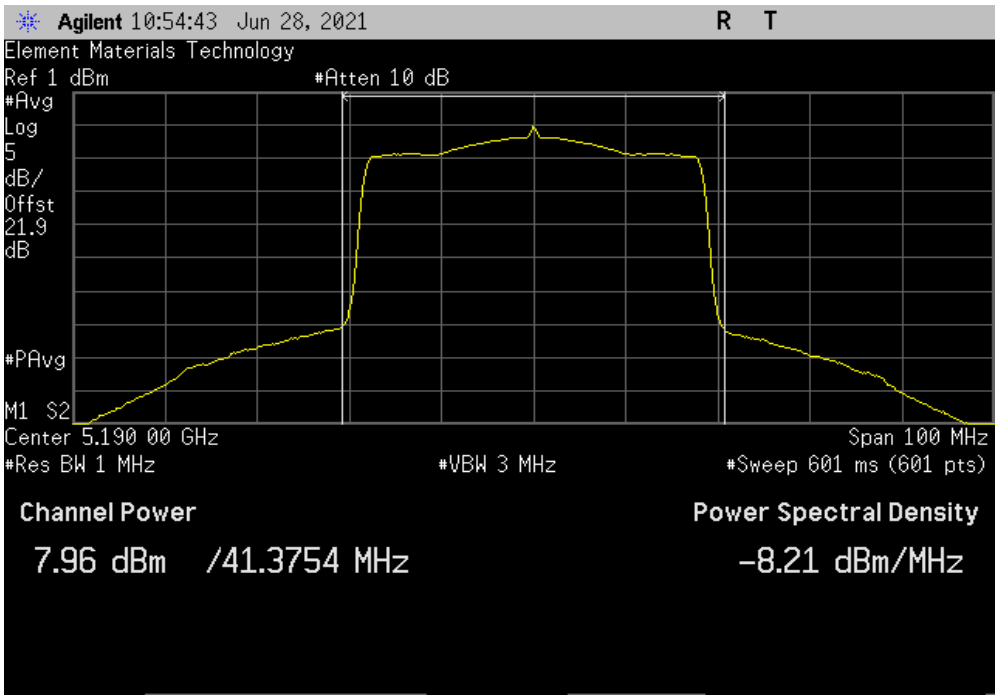


20 MHz, 802.11(ac) MCS8 (256-QAM), Ch 48, High Channel 5240 MHz						
Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result
8.794	0.5	9.3	5.2	23.8	30	Pass

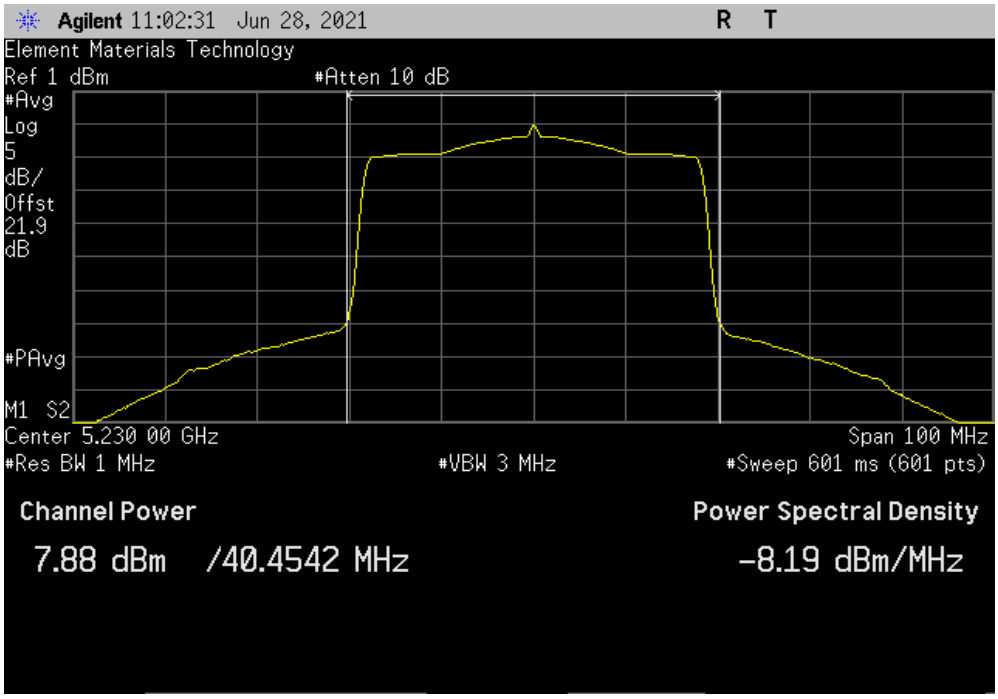


EQUIVALENT ISOTROPIC RADIATED POWER (EIRP) - 5.2 GHz BAND

40 MHz, 802.11(n) MCS0, Ch 36/40, Low Channel 5190 MHz						
Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result
7.962	0.1	8.1	5.2	21.4	30	Pass

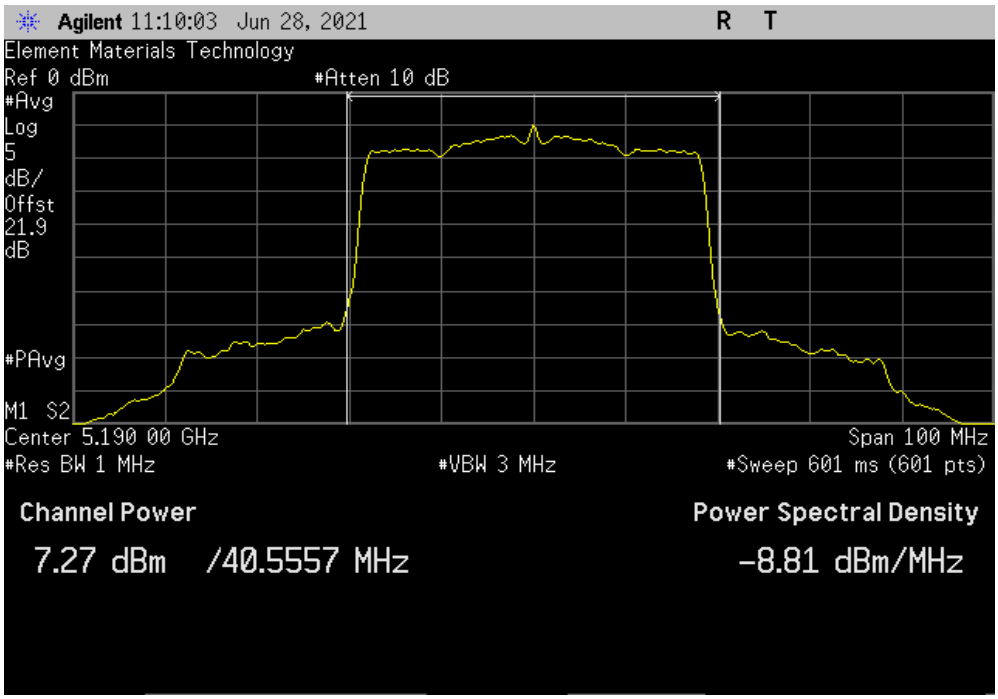


40 MHz, 802.11(n) MCS0, Ch 44/48, High Channel 5230 MHz						
Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result
7.88	0.1	8	5.2	21.2	30	Pass

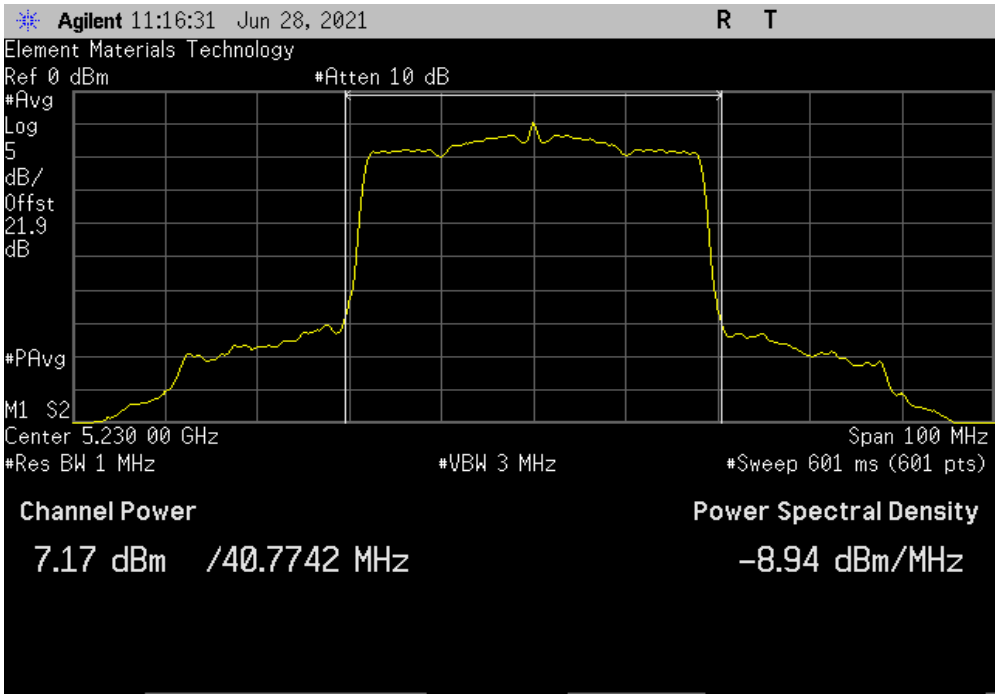


EQUIVALENT ISOTROPIC RADIATED POWER (EIRP) - 5.2 GHz BAND

40 MHz, 802.11(n) MCS7, Ch 36/40, Low Channel 5190 MHz						
Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result
7.266	0.7	8	5.2	21.2	30	Pass

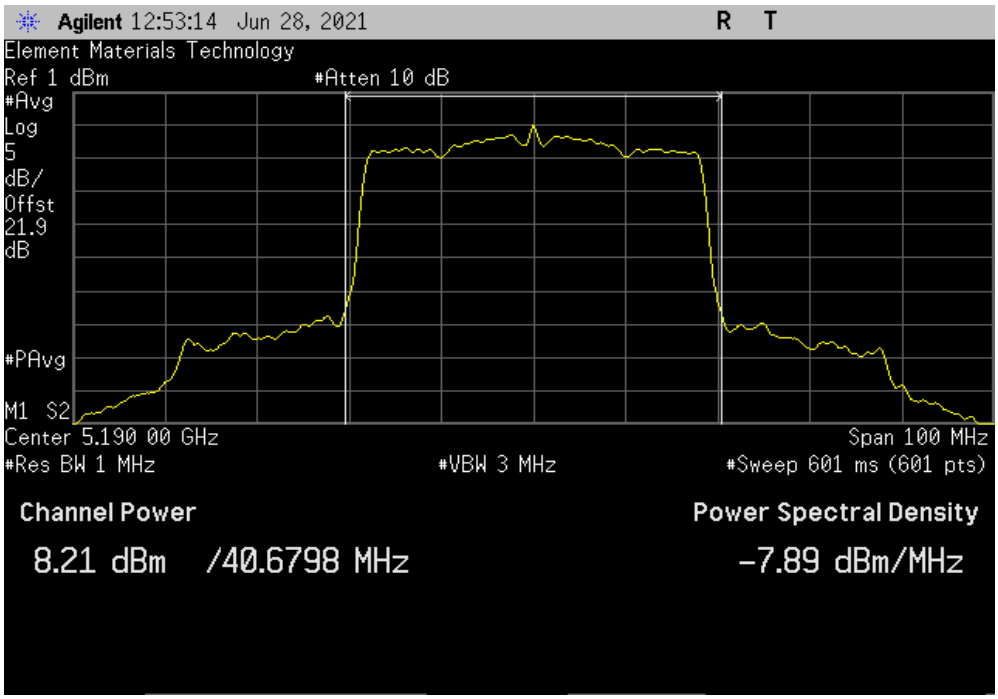


40 MHz, 802.11(n) MCS7, Ch 44/48, High Channel 5230 MHz						
Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result
7.169	0.7	7.9	5.2	21.0	30	Pass

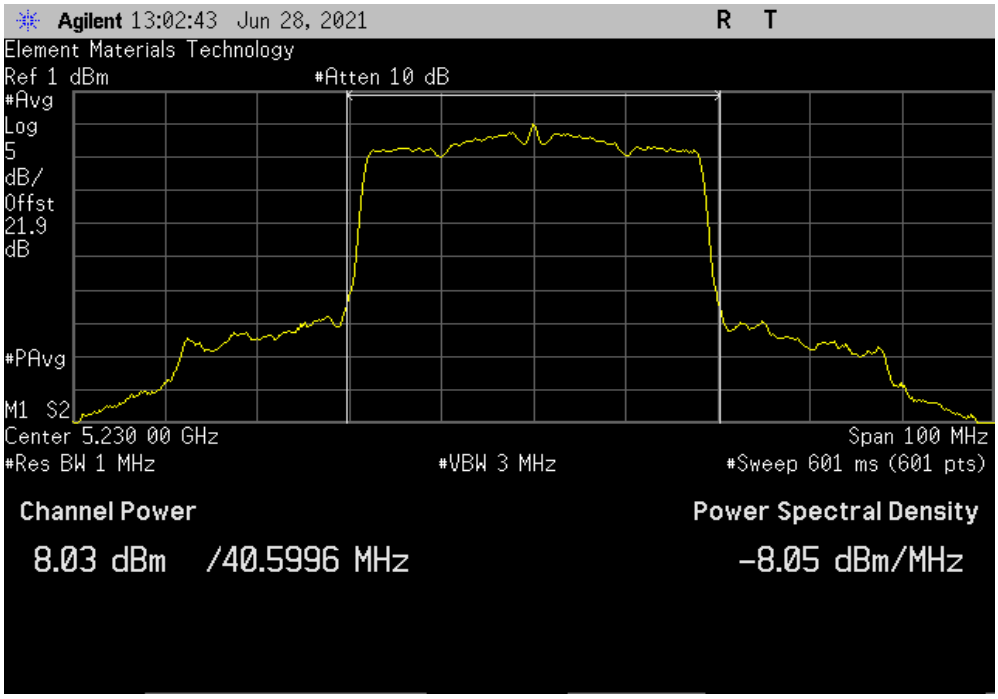


EQUIVALENT ISOTROPIC RADIATED POWER (EIRP) - 5.2 GHz BAND

40 MHz, 802.11(ac) MCS9 (256-QAM), Ch 36/40, Low Channel 5190 MHz						
Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result
8.206	0.8	9	5.2	23.2	30	Pass

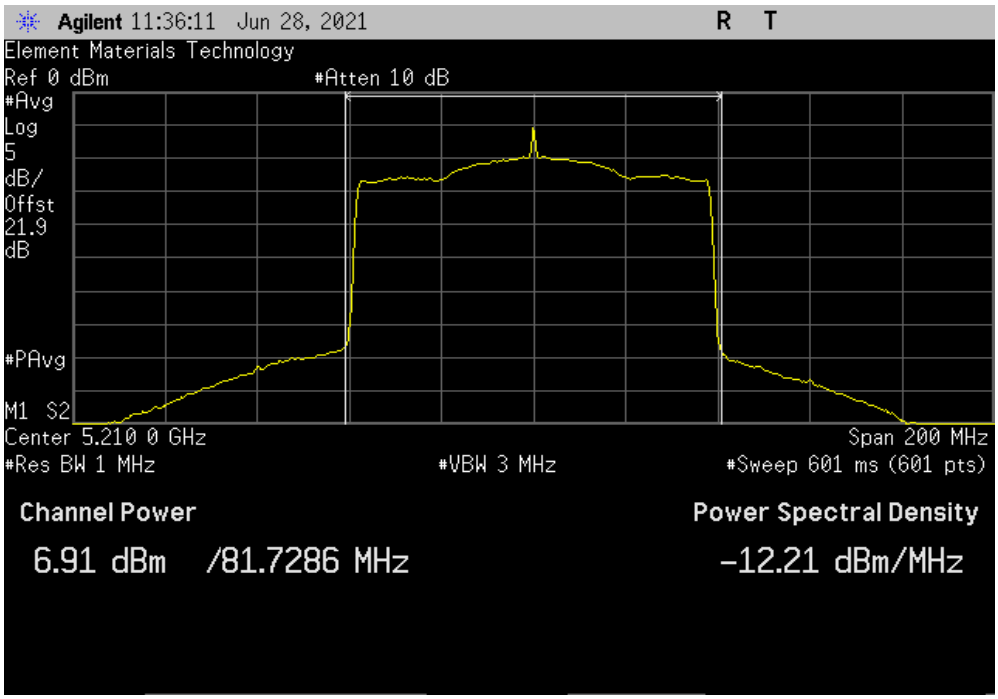


40 MHz, 802.11(ac) MCS9 (256-QAM), Ch 44/48, High Channel 5230 MHz						
Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result
8.033	0.8	8.8	5.2	22.8	30	Pass

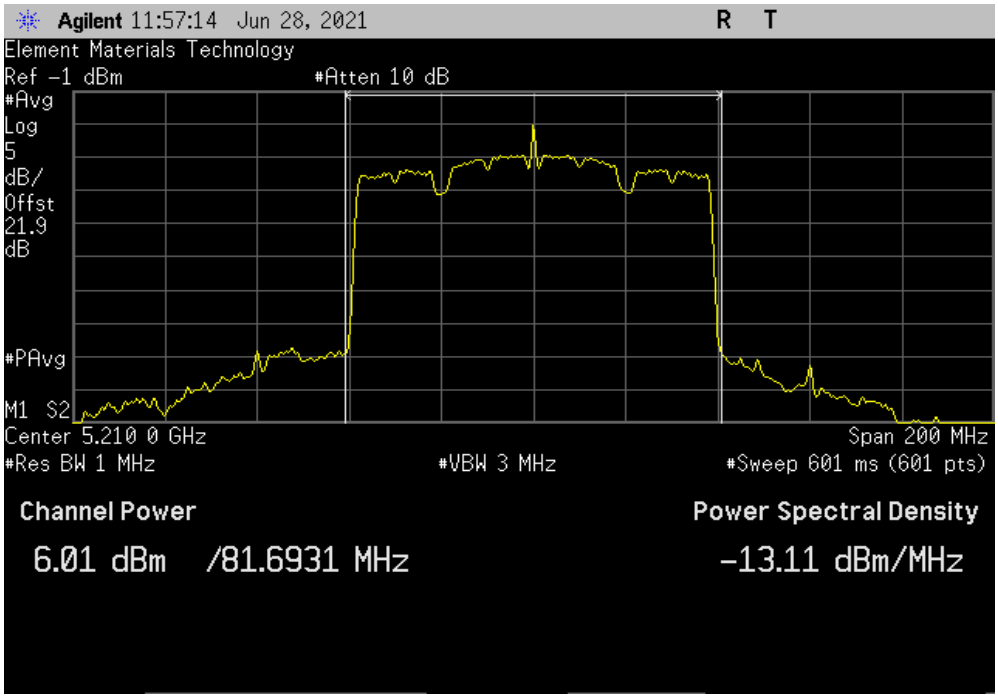


EQUIVALENT ISOTROPIC RADIATED POWER (EIRP) - 5.2 GHz BAND

80 MHz, 802.11(ac) MCS0, Ch 36-48, Low Channel 5210 MHz						
Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result
6.912	0.2	7.1	5.2	19.4	30	Pass



80 MHz, 802.11(ac) MCS9 (256-QAM), Ch 36-48, Low Channel 5210 MHz						
Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result
6.014	1.1	7.1	5.2	19.4	30	Pass



EQUIVALENT ISOTROPIC RADIATED POWER (EIRP) - 5.3 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*LOG(1/D) where D is the duty cycle.

Equivalent Isotropic Radiated Power (EIRP) = Max Measured Power + Antenna gain (dBi).

EQUIVALENT ISOTROPIC RADIATED POWER (EIRP) - 5.3 GHz BAND

element

TbtTx 2021.03.19.1 XMit 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:**	22.7 °C
Attendees:	Ben Meadows			**Humidity:**	42.3% 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

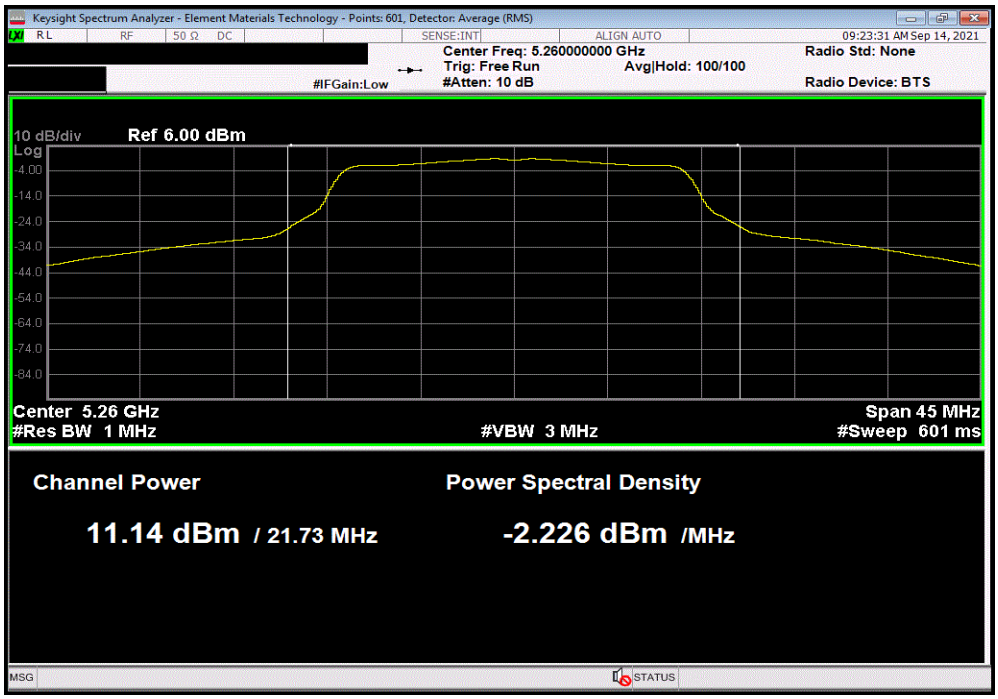
None

Configuration #	3	Signature

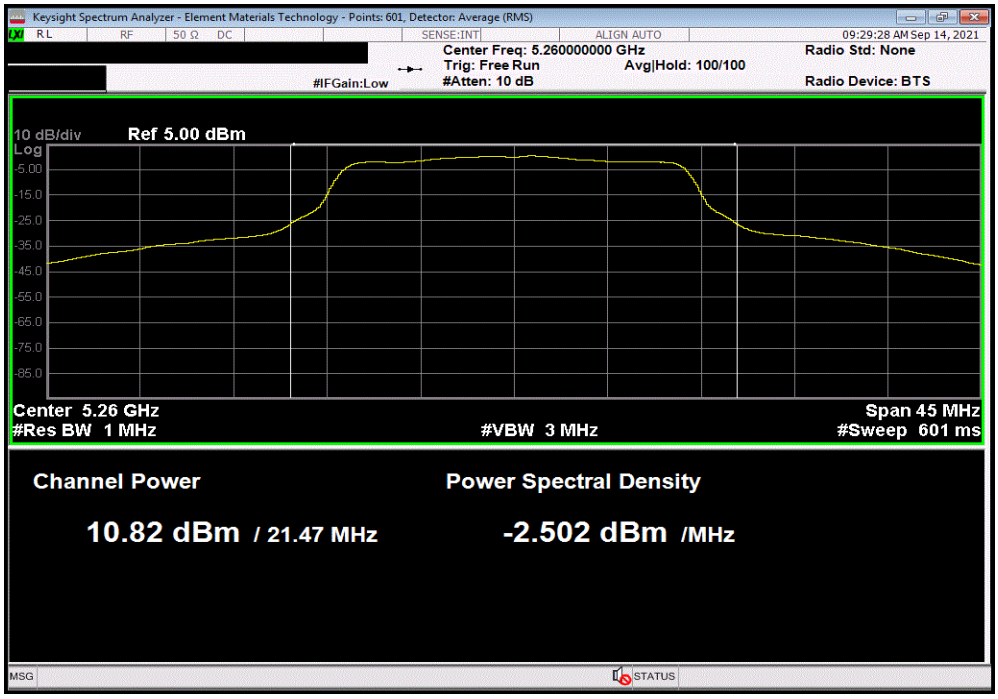
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result
5250 - 5350 MHz Band							
802.11(a) No HT							
Low Channel, Ch 52 - 5260 MHz							
6 Mbps	11.144	0.1	11.2	5.2	27.6	30	Pass
36 Mbps	10.816	0.3	11.1	5.2	27.4	30	Pass
54 Mbps	10.695	0.5	11.2	5.2	27.6	30	Pass
Mid Channel, Ch 60 - 5300 MHz							
6 Mbps	11.158	0.1	11.2	5.2	27.7	30	Pass
36 Mbps	10.703	0.3	11	5.2	27.2	30	Pass
54 Mbps	10.583	0.5	11	5.2	27.3	30	Pass
High Channel, Ch 64 - 5320 MHz							
6 Mbps	10.764	0.1	10.8	5.2	26.9	30	Pass
36 Mbps	10.474	0.3	10.8	5.2	26.8	30	Pass
54 Mbps	10.415	0.5	10.9	5.2	27.0	30	Pass
802.11(n/ac) VHT20							
Low Channel, Ch 52 - 5260 MHz							
MCS0	10.904	0.1	11	5.2	27.2	30	Pass
MCS7	10.416	0.5	10.9	5.2	27.0	30	Pass
MCS8 (256-QAM)	7.647	0.6	8.2	5.2	21.6	30	Pass
Mid Channel, Ch 60 - 5300 MHz							
MCS0	10.778	0.1	10.8	5.2	26.9	30	Pass
MCS7	10.411	0.5	10.9	5.2	27.0	30	Pass
MCS8 (256-QAM)	7.688	0.6	8.2	5.2	21.7	30	Pass
High Channel, Ch 64 - 5320 MHz							
MCS0	10.513	0.1	10.6	5.2	26.4	30	Pass
MCS7	10.172	0.5	10.7	5.2	26.6	30	Pass
MCS8 (256-QAM)	7.297	0.6	7.9	5.2	21.0	30	Pass
802.11(n/ac) VHT40							
Low Channel, Ch 52/56 - 5270 MHz							
MCS0	6.787	0.1	6.9	5.2	19.0	30	Pass
MCS7	6.18	0.7	6.9	5.2	19.0	30	Pass
MCS9 (256-QAM)	6.827	0.8	7.6	5.2	20.4	30	Pass
High Channel, Ch 60/64 - 5310 MHz							
MCS0	6.673	0.1	6.8	5.2	18.8	30	Pass
MCS7	5.982	0.7	6.7	5.2	18.6	30	Pass
MCS9 (256-QAM)	6.698	0.8	7.5	5.2	20.2	30	Pass
802.11(n/ac) VHT80							
Low Channel, Ch 52-64 - 5290 MHz							
MCS0	5.709	0.2	5.9	5.2	17.0	30	Pass
MCS9 (256-QAM)	4.671	1.1	5.7	5.2	16.7	30	Pass

EQUIVALENT ISOTROPIC RADIATED POWER (EIRP) - 5.3 GHz BAND

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)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result
11.144	0.1	11.2	5.2	27.6	30	Pass

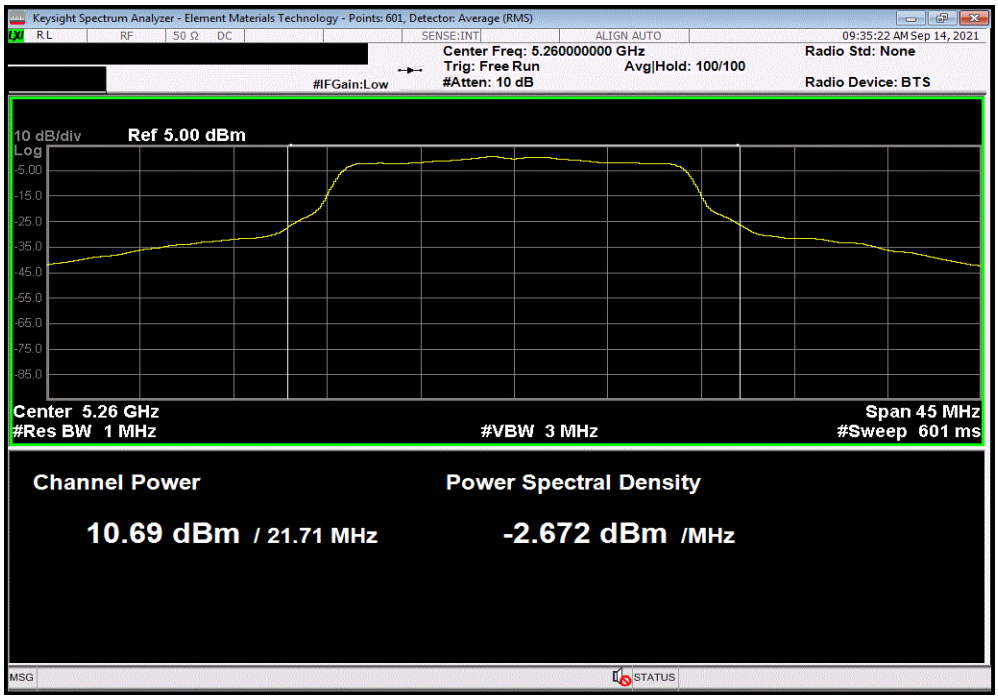


5250 - 5350 MHz Band, 802.11(a) No HT, Low Channel, Ch 52 - 5260 MHz, 36 Mbps						
Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result
10.816	0.3	11.1	5.2	27.4	30	Pass

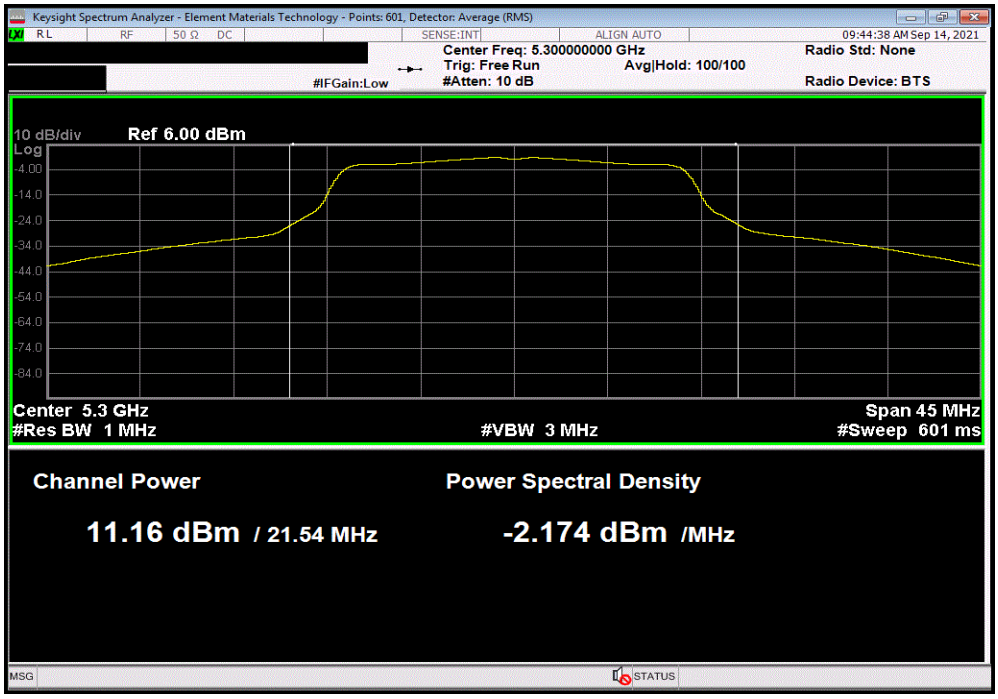


EQUIVALENT ISOTROPIC RADIATED POWER (EIRP) - 5.3 GHz BAND

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)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result
10.695	0.5	11.2	5.2	27.6	30	Pass

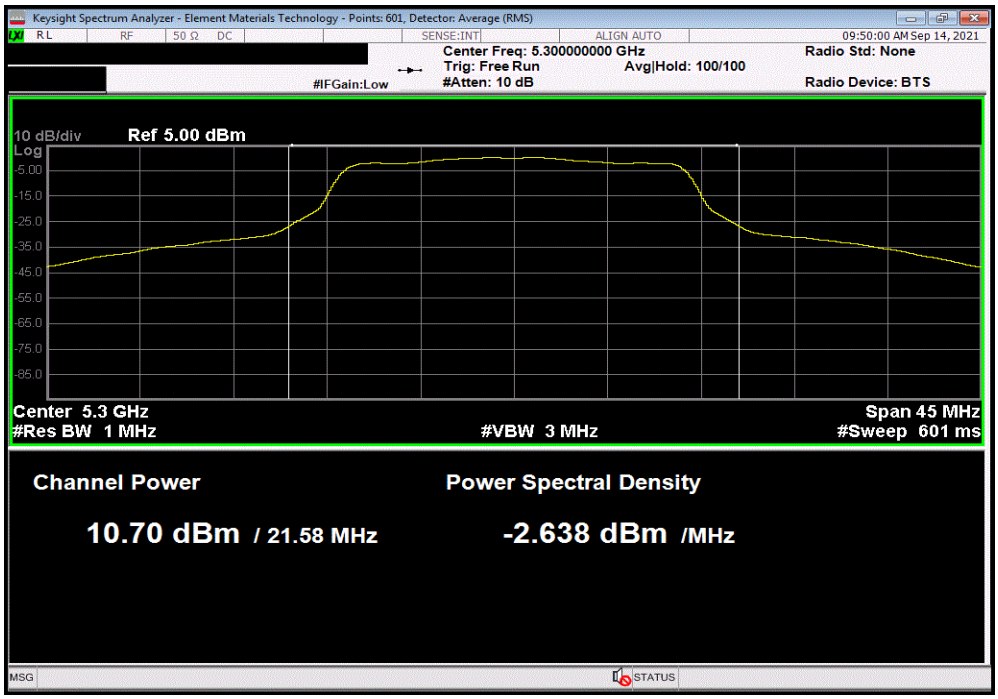


5250 - 5350 MHz Band, 802.11(a) No HT, Mid Channel, Ch 60 - 5300 MHz, 6 Mbps						
Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result
11.158	0.1	11.2	5.2	27.7	30	Pass

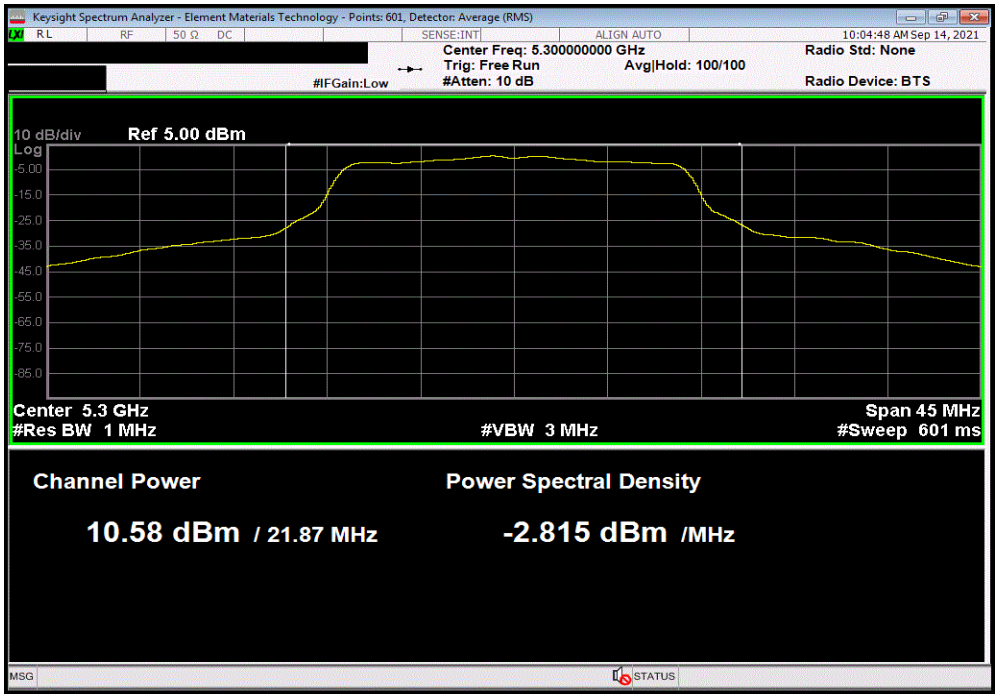


EQUIVALENT ISOTROPIC RADIATED POWER (EIRP) - 5.3 GHz BAND

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)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result
10.703	0.3	11	5.2	27.2	30	Pass

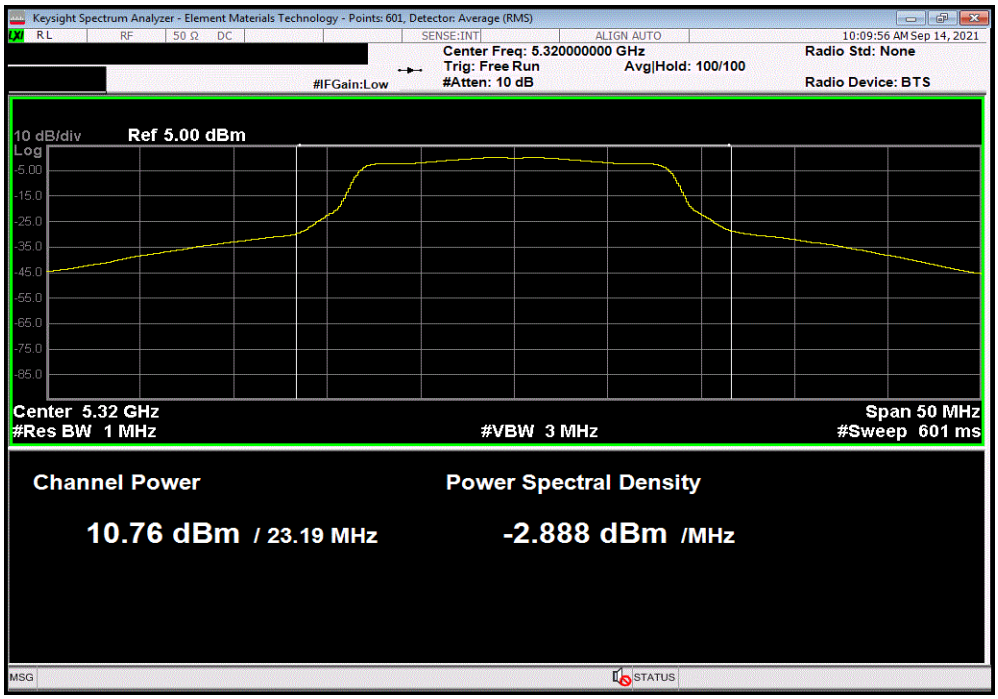


5250 - 5350 MHz Band, 802.11(a) No HT, Mid Channel, Ch 60 - 5300 MHz, 54 Mbps						
Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result
10.583	0.5	11	5.2	27.3	30	Pass

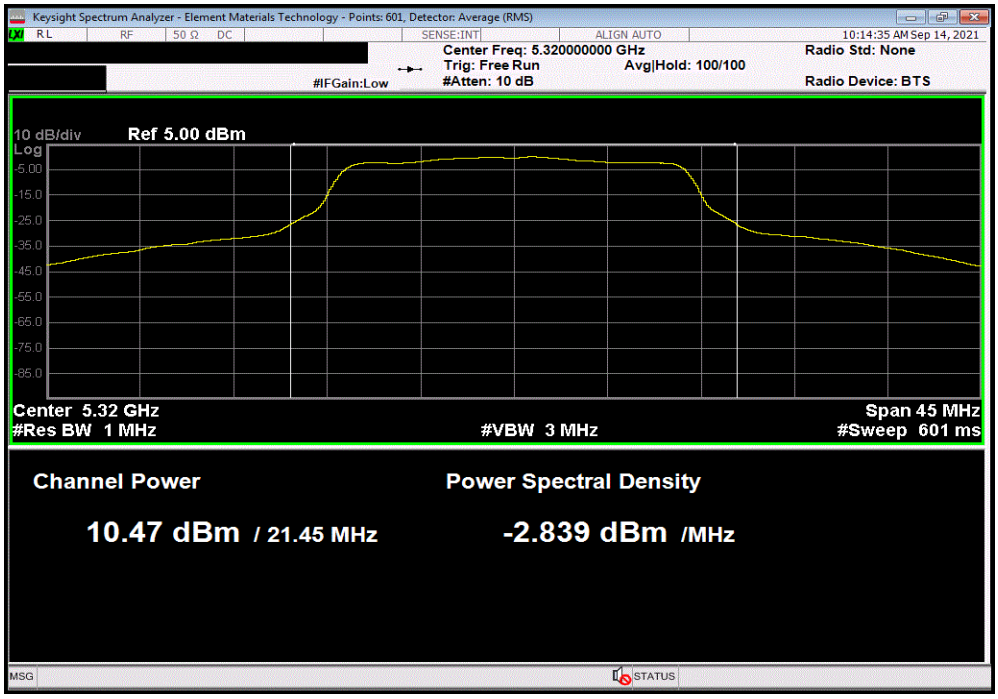


EQUIVALENT ISOTROPIC RADIATED POWER (EIRP) - 5.3 GHz BAND

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)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result
10.764	0.1	10.8	5.2	26.9	30	Pass

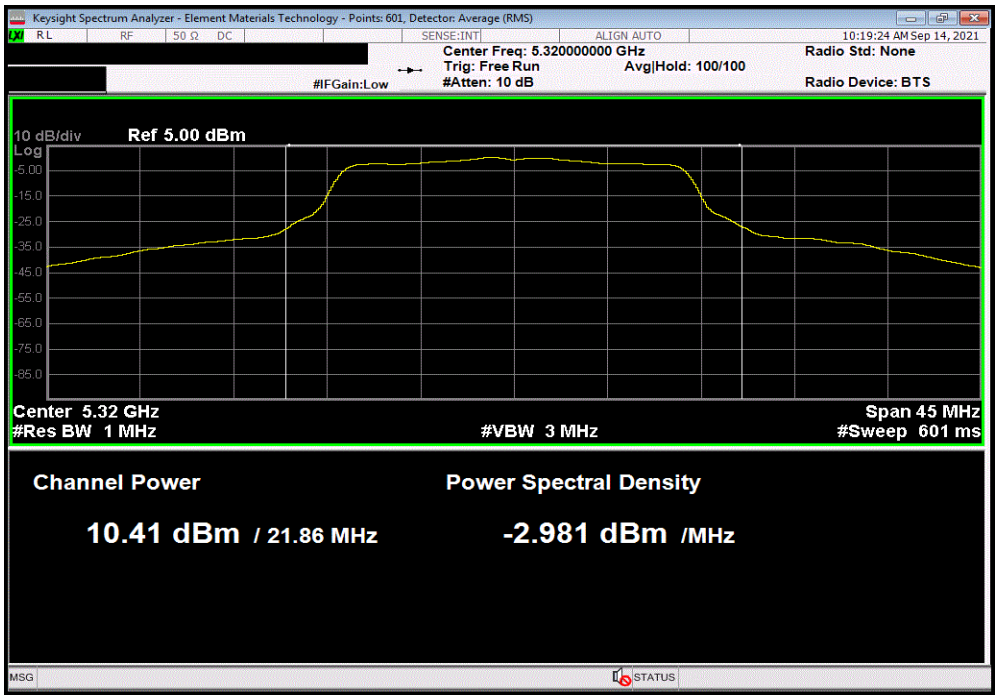


5250 - 5350 MHz Band, 802.11(a) No HT, High Channel, Ch 64 - 5320 MHz, 36 Mbps						
Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result
10.474	0.3	10.8	5.2	26.8	30	Pass

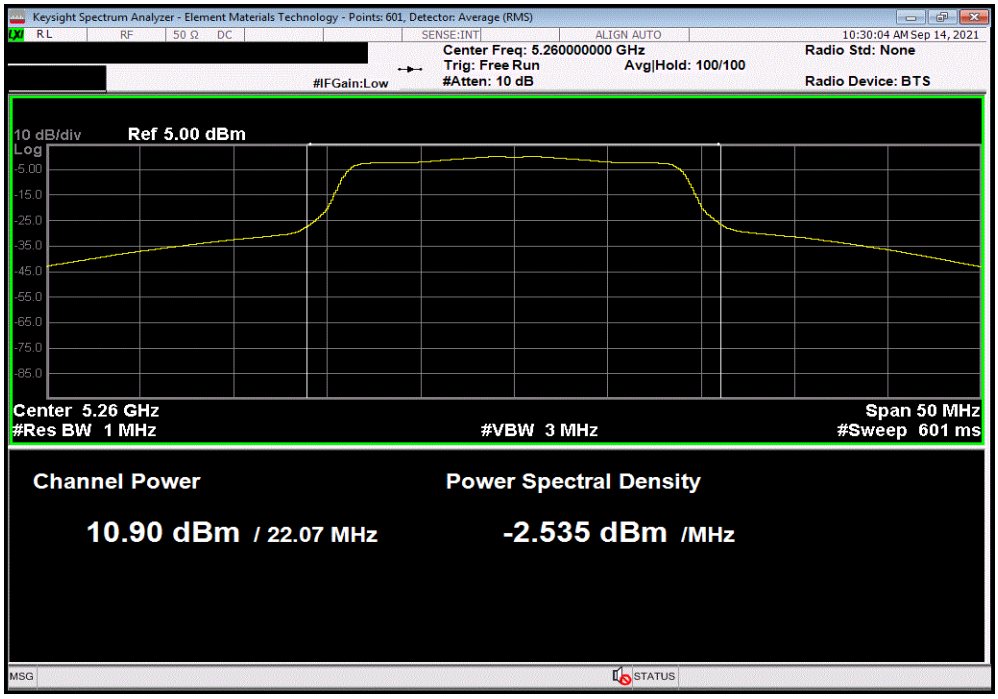


EQUIVALENT ISOTROPIC RADIATED POWER (EIRP) - 5.3 GHz BAND

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)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result
10.415	0.5	10.9	5.2	27.0	30	Pass

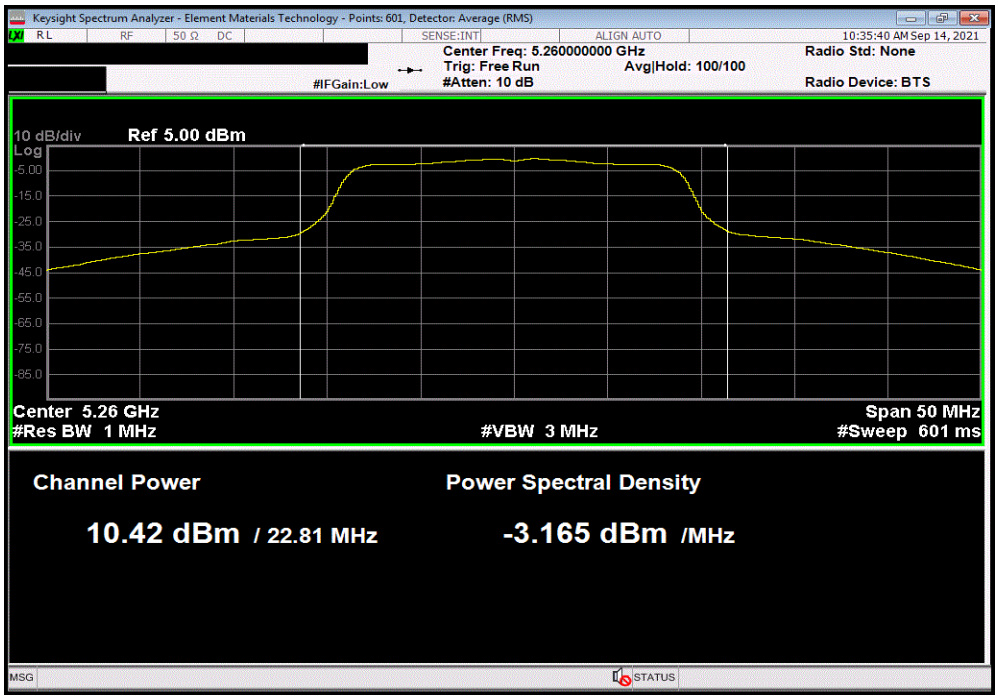


5250 - 5350 MHz Band, 802.11(n/ac) VHT20, Low Channel, Ch 52 - 5260 MHz, MCS0						
Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result
10.904	0.1	11	5.2	27.2	30	Pass

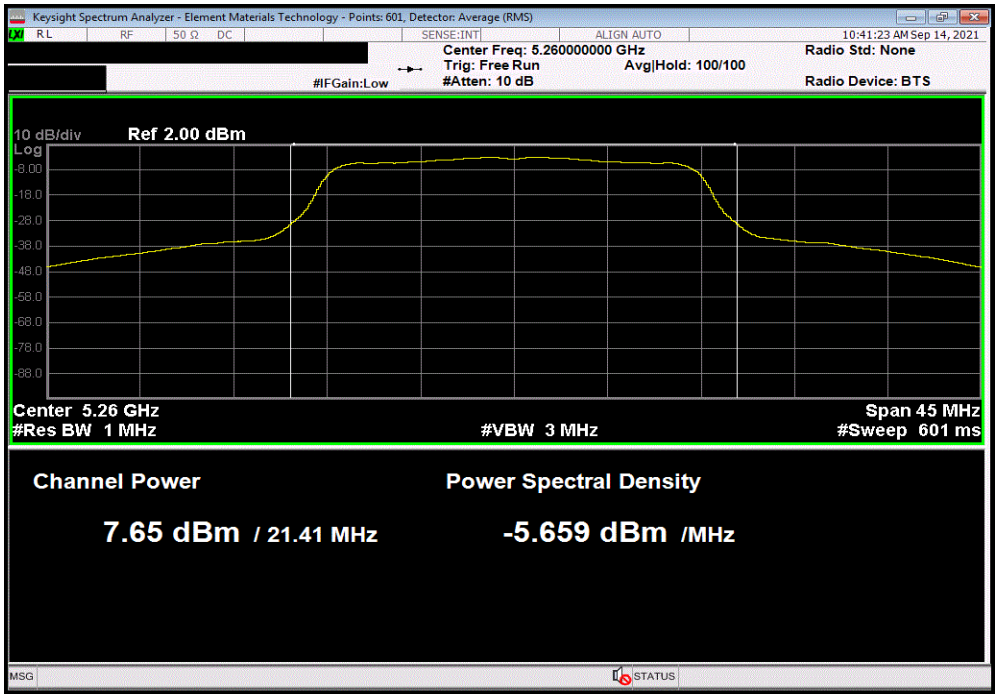


EQUIVALENT ISOTROPIC RADIATED POWER (EIRP) - 5.3 GHz BAND

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)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result
10.416	0.5	10.9	5.2	27.0	30	Pass

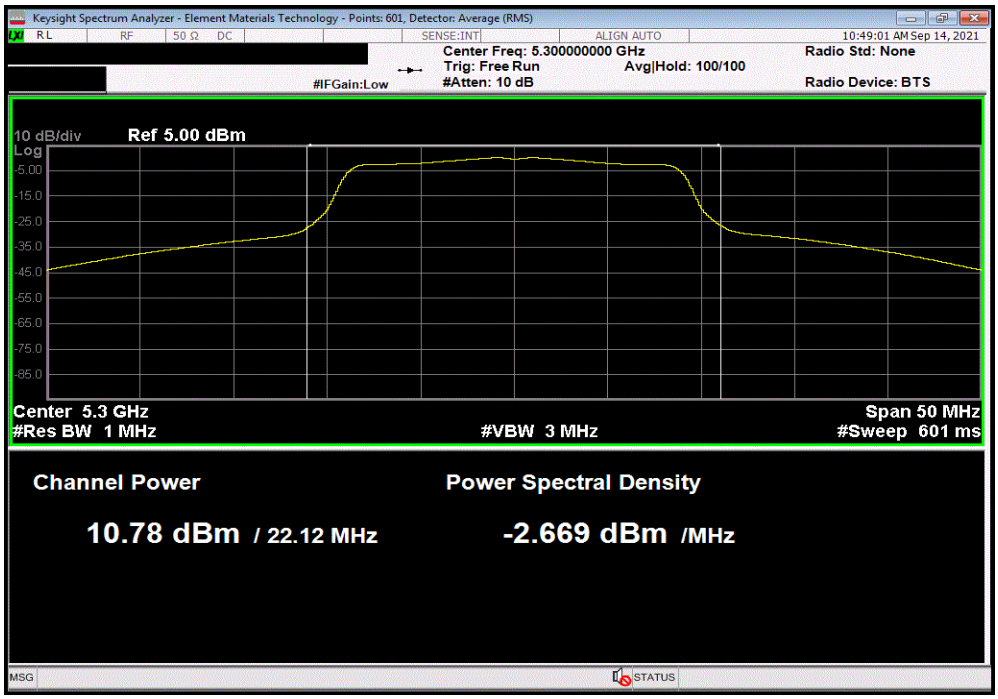


5250 - 5350 MHz Band, 802.11(n/ac) VHT20, Low Channel, Ch 52 - 5260 MHz, MCS8 (256-QAM)						
Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result
7.647	0.6	8.2	5.2	21.6	30	Pass

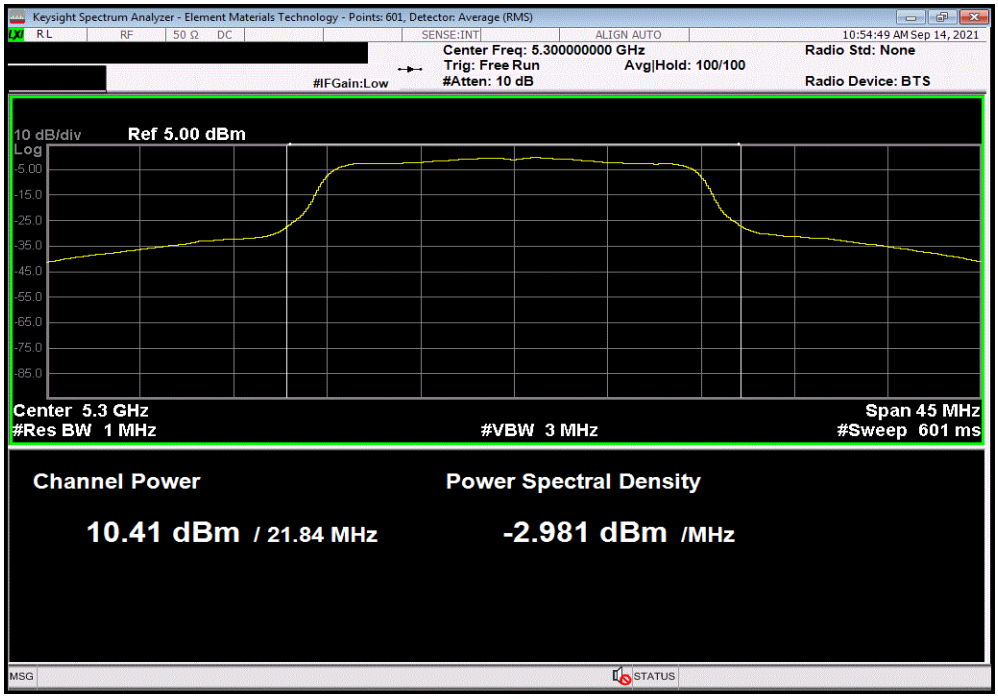


EQUIVALENT ISOTROPIC RADIATED POWER (EIRP) - 5.3 GHz BAND

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)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result
10.778	0.1	10.8	5.2	26.9	30	Pass

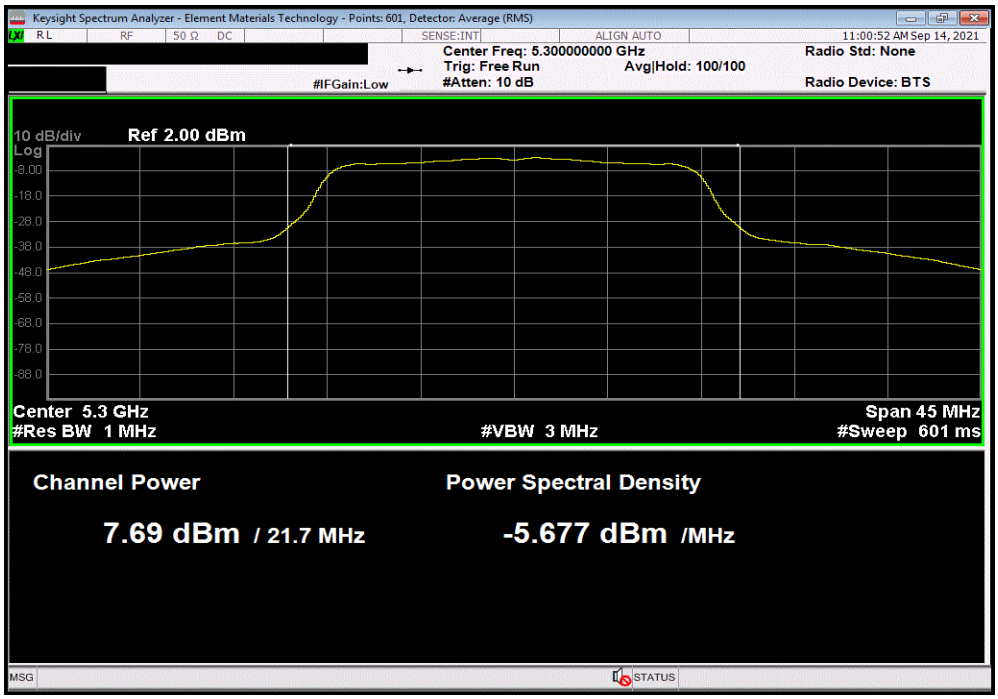


5250 - 5350 MHz Band, 802.11(n/ac) VHT20, Mid Channel, Ch 60 - 5300 MHz, MCS7						
Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result
10.411	0.5	10.9	5.2	27.0	30	Pass

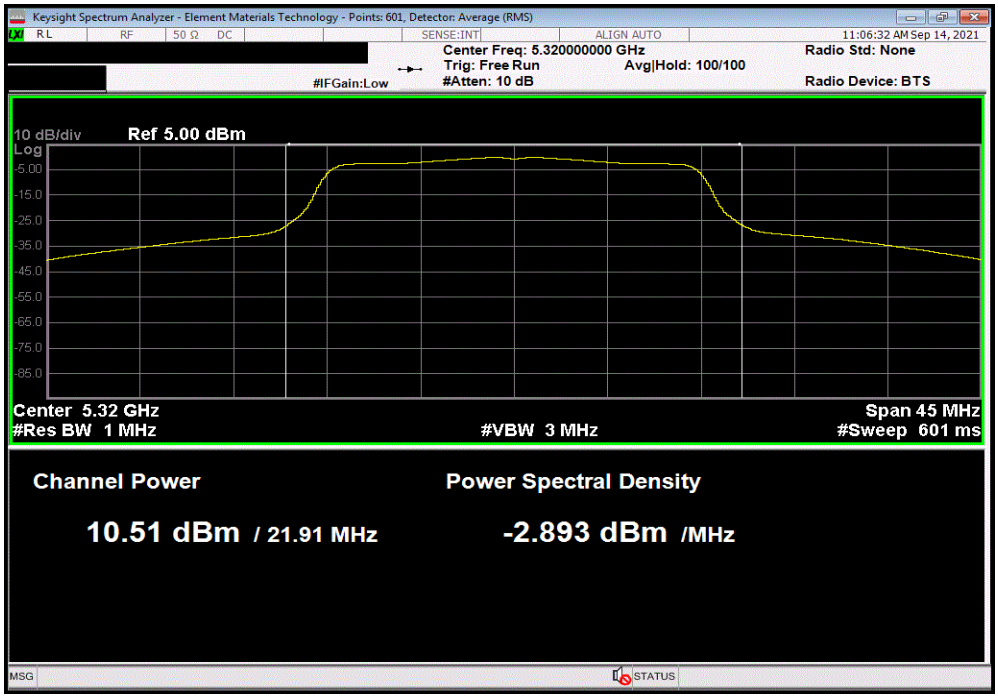


EQUIVALENT ISOTROPIC RADIATED POWER (EIRP) - 5.3 GHz BAND

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)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result
7.688	0.6	8.2	5.2	21.7	30	Pass

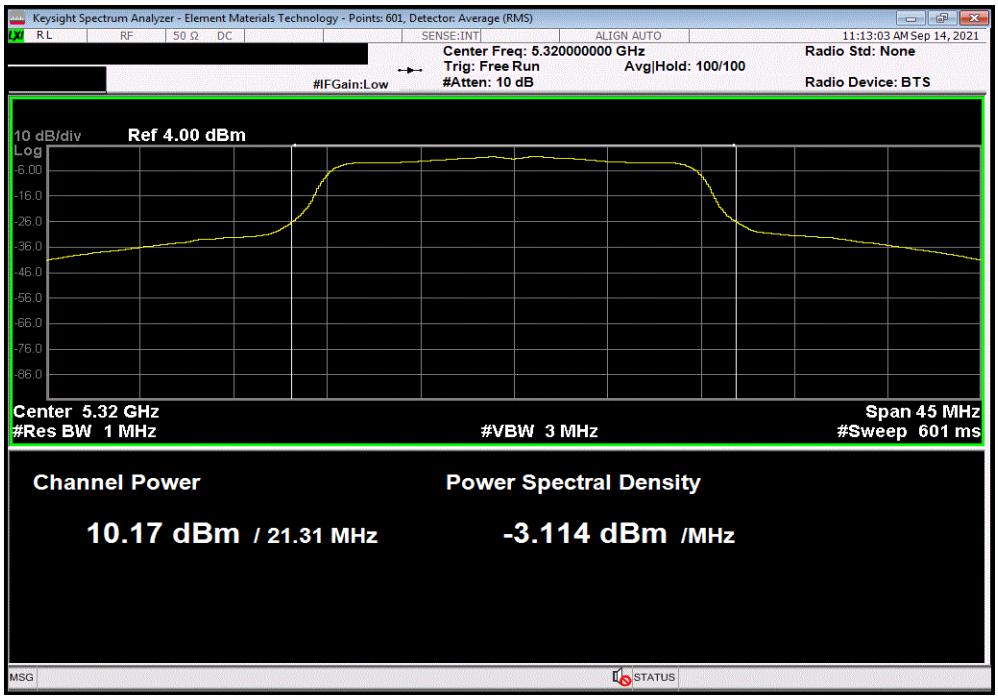


5250 - 5350 MHz Band, 802.11(n/ac) VHT20, High Channel, Ch 64 - 5320 MHz, MCS0						
Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result
10.513	0.1	10.6	5.2	26.4	30	Pass

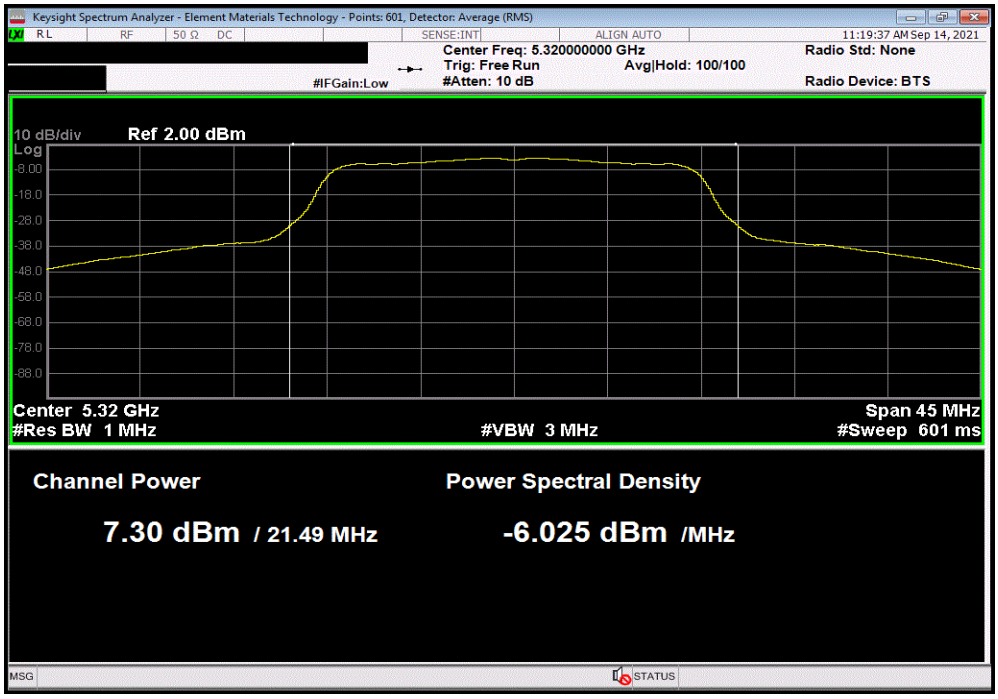


EQUIVALENT ISOTROPIC RADIATED POWER (EIRP) - 5.3 GHz BAND

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)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result
10.172	0.5	10.7	5.2	26.6	30	Pass

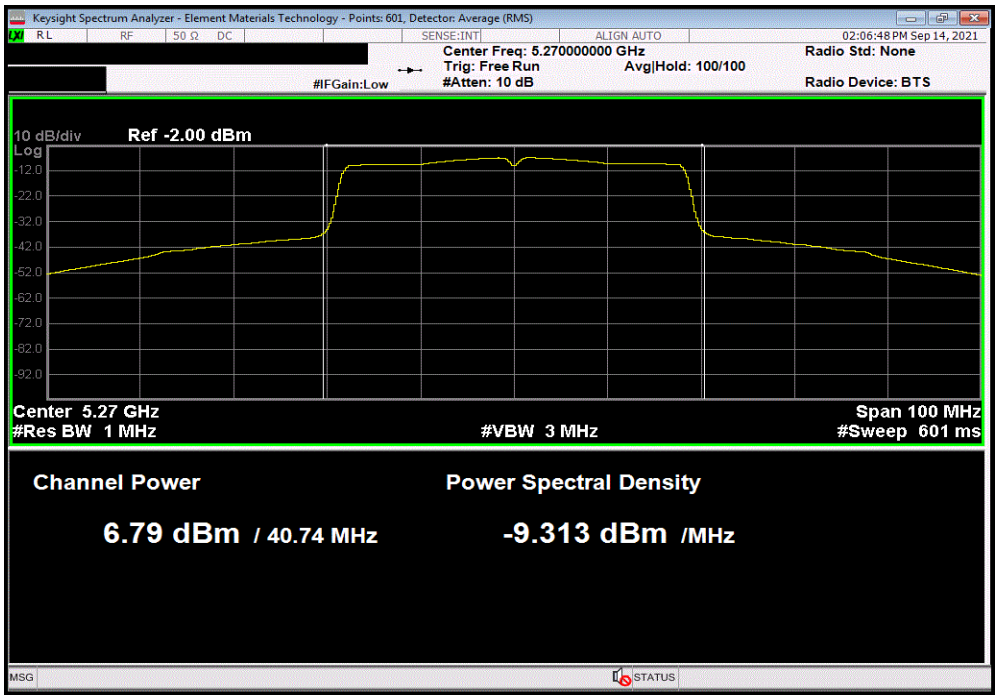


5250 - 5350 MHz Band, 802.11(n/ac) VHT20, High Channel, Ch 64 - 5320 MHz, MCS8 (256-QAM)						
Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result
7.297	0.6	7.9	5.2	21.0	30	Pass

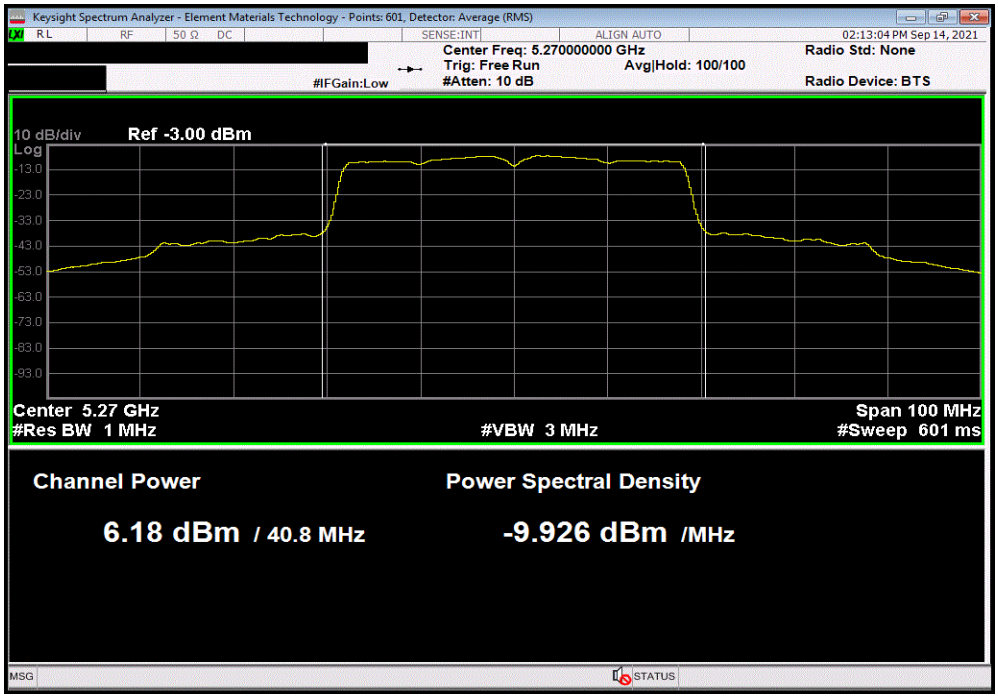


EQUIVALENT ISOTROPIC RADIATED POWER (EIRP) - 5.3 GHz BAND

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)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result
6.787	0.1	6.9	5.2	19.0	30	Pass

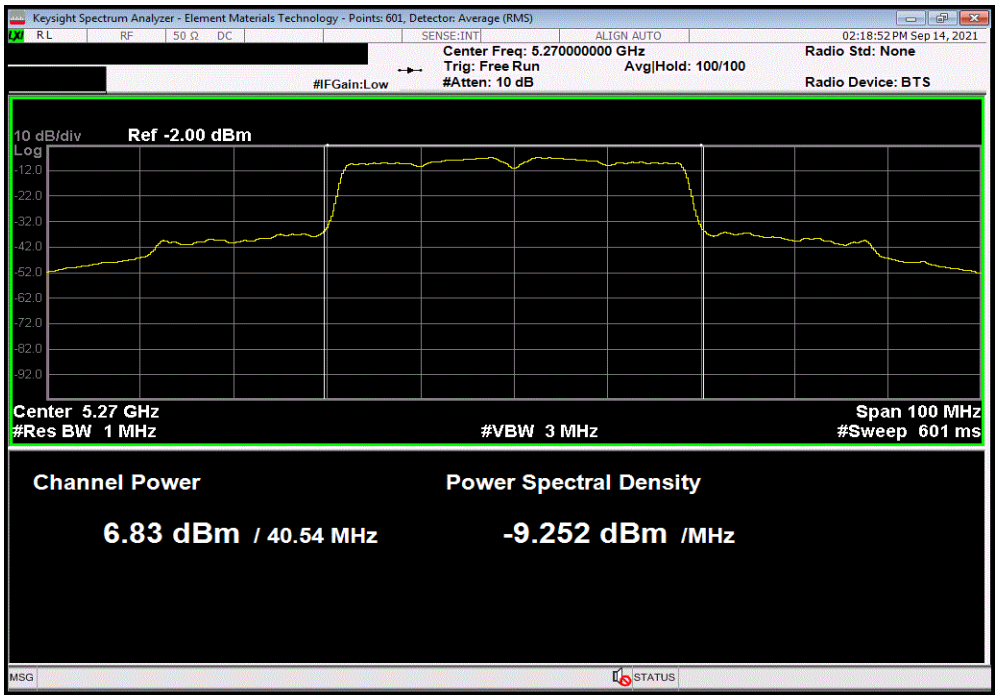


5250 - 5350 MHz Band, 802.11(n/ac) VHT40, Low Channel, Ch 52/56 - 5270 MHz, MCS7						
Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result
6.18	0.7	6.9	5.2	19.0	30	Pass

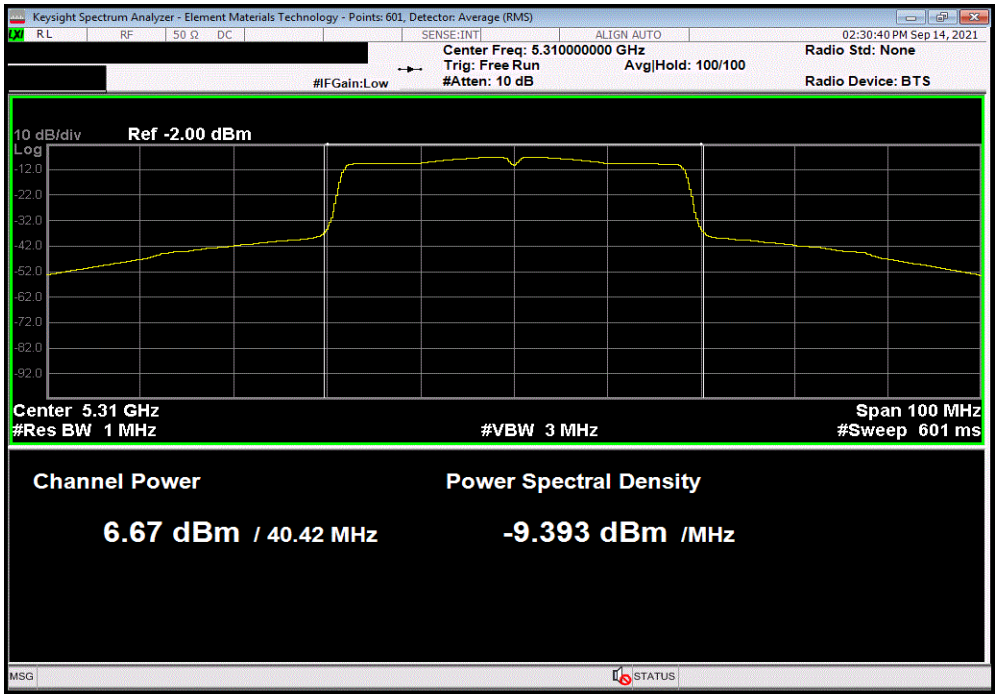


EQUIVALENT ISOTROPIC RADIATED POWER (EIRP) - 5.3 GHz BAND

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)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result
6.827	0.8	7.6	5.2	20.4	30	Pass

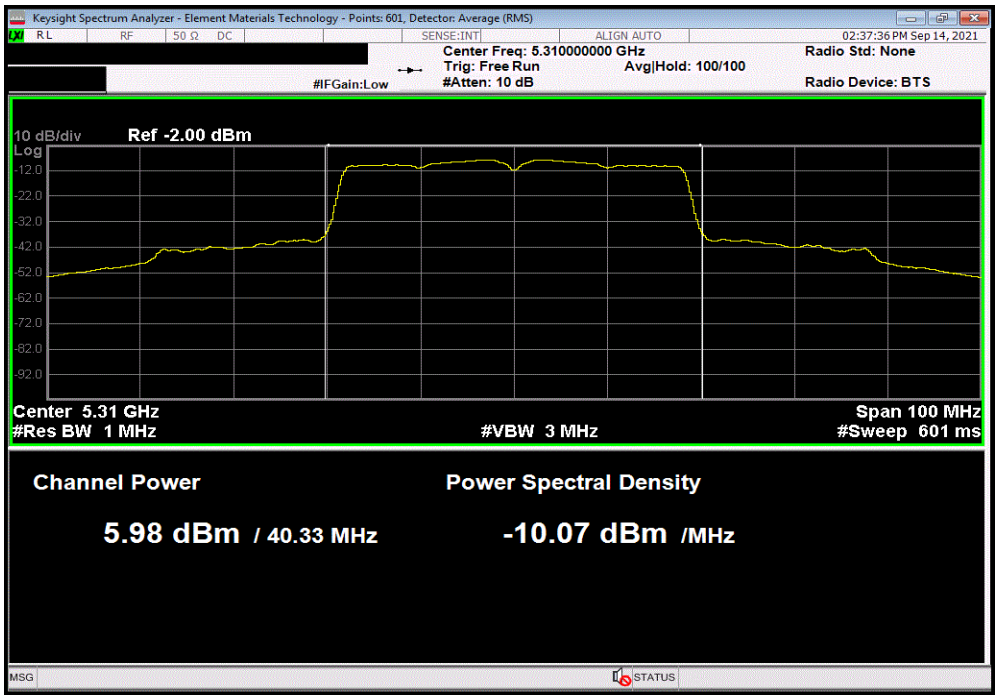


5250 - 5350 MHz Band, 802.11(n/ac) VHT40, High Channel, Ch 60/64 - 5310 MHz, MCS0						
Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result
6.673	0.1	6.8	5.2	18.8	30	Pass

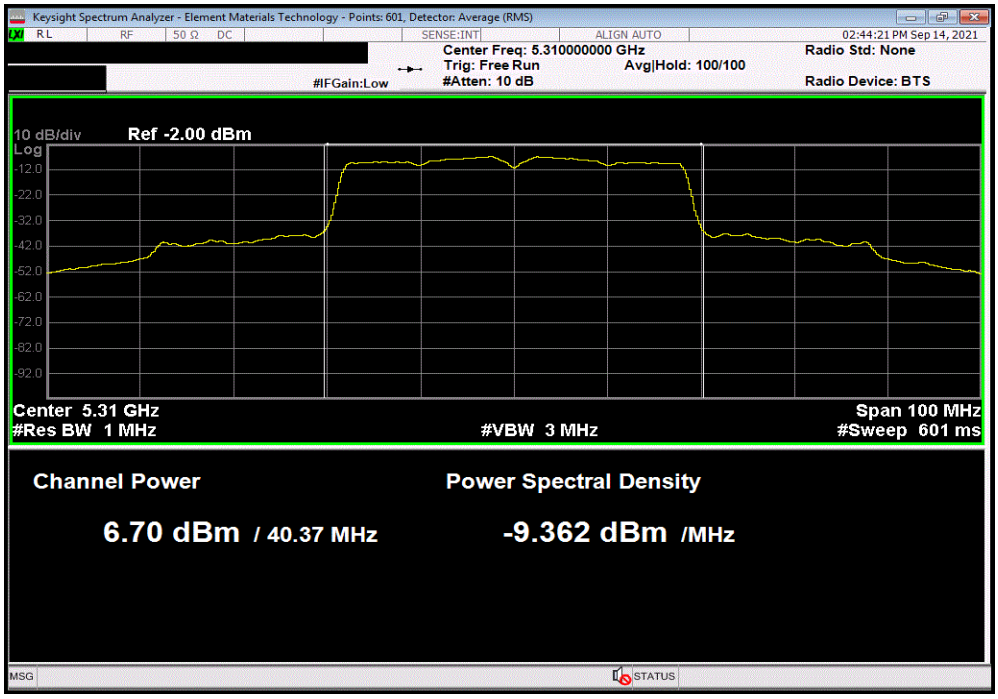


EQUIVALENT ISOTROPIC RADIATED POWER (EIRP) - 5.3 GHz BAND

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)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result
5.982	0.7	6.7	5.2	18.6	30	Pass

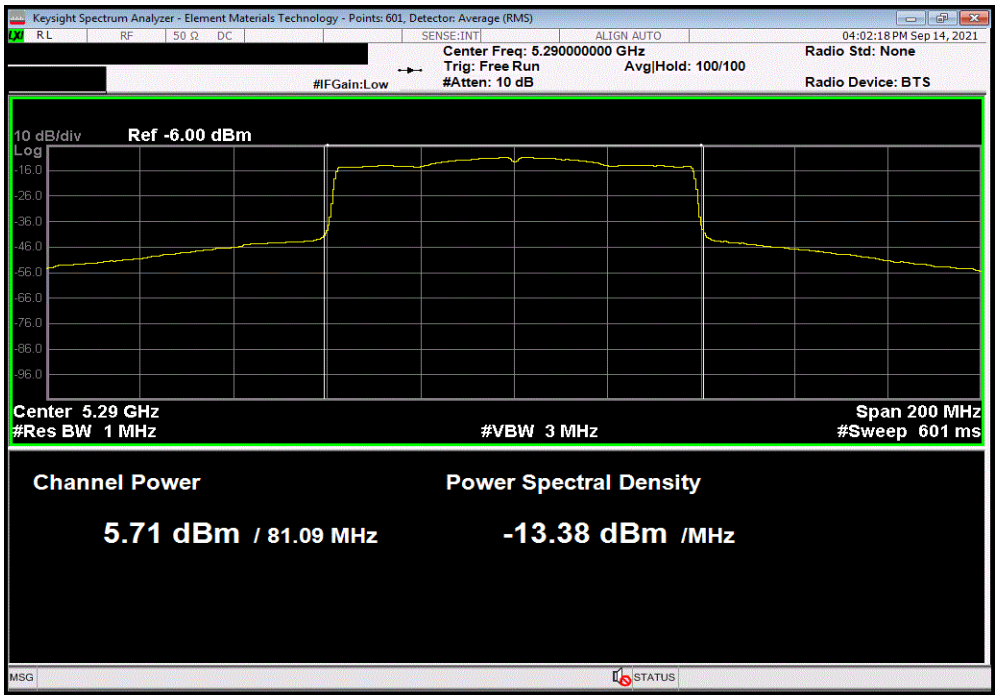


5250 - 5350 MHz Band, 802.11(n/ac) VHT40, High Channel, Ch 60/64 - 5310 MHz, MCS9 (256-QAM)						
Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result
6.698	0.8	7.5	5.2	20.2	30	Pass



EQUIVALENT ISOTROPIC RADIATED POWER (EIRP) - 5.3 GHz BAND

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)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result
5.709	0.2	5.9	5.2	17.0	30	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)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result
4.671	1.1	5.7	5.2	16.7	30	Pass