MAXIMUM POWER SPECTRAL DENSITY - 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 power spectral density, the emission bandwidth (B) was measured. The method of measuring the emission bandwidth and the associated data are found elsewhere in this test report

The maximum power spectral density was measured using ANSI C63.10:2013, Clause 12.3.2.3, 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), consistent with the method used for maximum conducted output power.

The spectrum analyzer settings were set to:

- Span set to encompass the entire 99% OBW of the signal
- RBW = 1 MHz
- VBW = 3 MHz
- RMS Detector
- Trace average 100 traces in power averaging mode

The marker peak search function of the analyzer as used to determine to be the highest level found across the emission in any 1 MHz band after 100 sweeps of power averaging (not video averaging).

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.

The result is the peak power spectral density (PPSD).

MAXIMUM POWER SPECTRAL DENSITY - 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:**	22.9 °C
Attendees:	Ben Meadows			**Humidity:**	42.7% 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

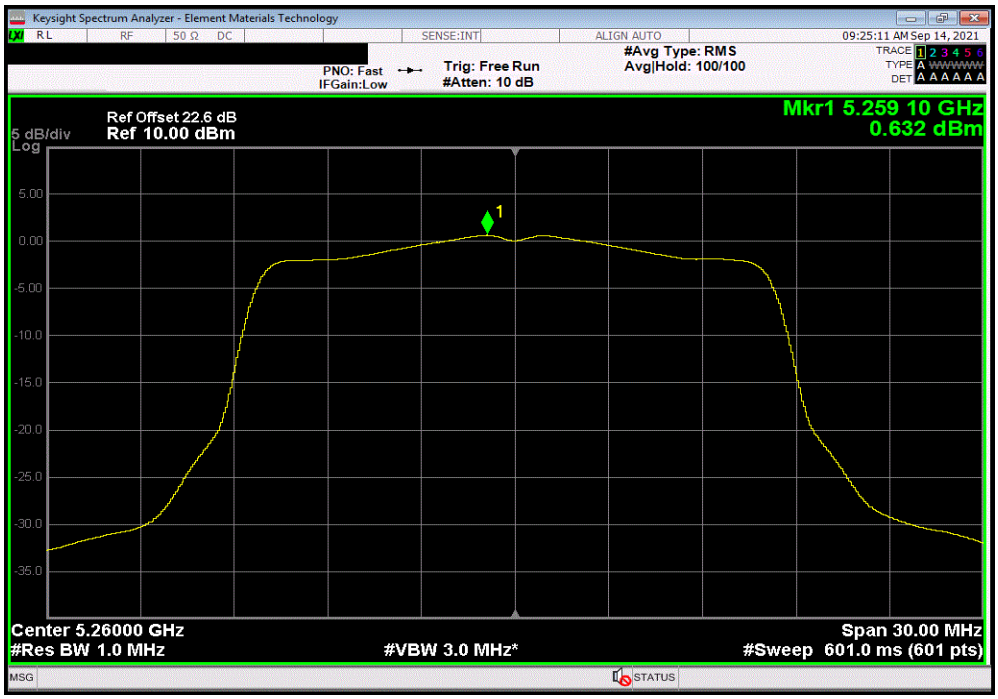
None

Configuration #	3	Signature

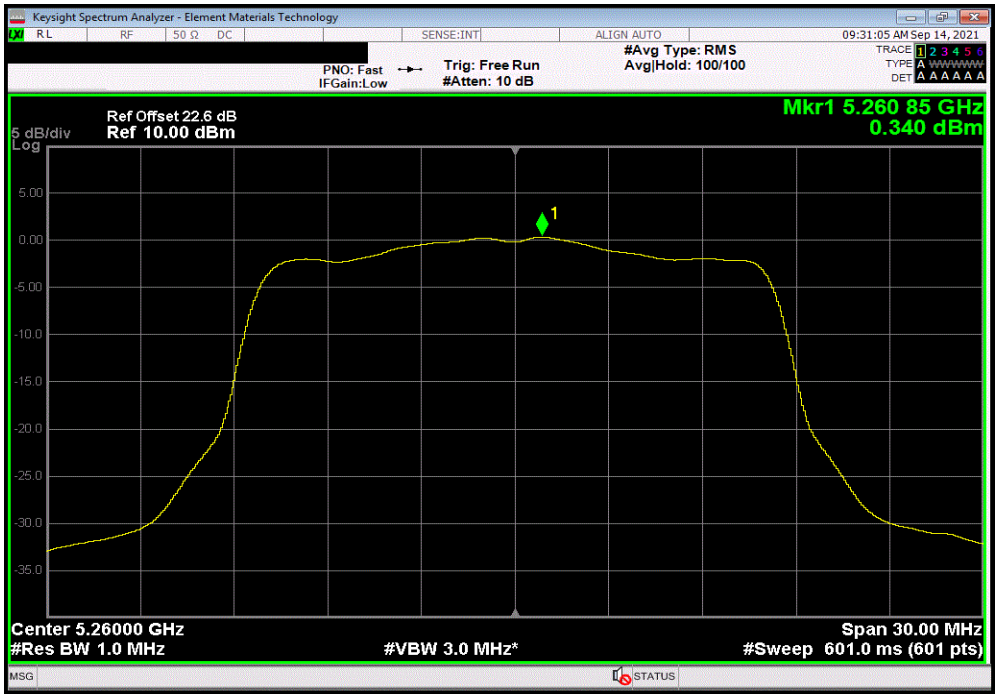
	Power (dBm/Ref BW)	Duty Cycle Factor (dB)	Density (dBm/Ref BW)	Limit ≤ (dBm/Ref BW)	Results
5250 - 5350 MHz Band					
802.11(a) No HT					
Low Channel, Ch 52 - 5260 MHz					
6 Mbps	0.632	0.1	0.7	11	Pass
36 Mbps	0.34	0.3	0.7	11	Pass
54 Mbps	0.398	0.5	0.9	11	Pass
Mid Channel, Ch 60 - 5300 MHz					
6 Mbps	0.69	0.1	0.8	11	Pass
36 Mbps	0.24	0.3	0.6	11	Pass
54 Mbps	0.325	0.5	0.8	11	Pass
High Channel, Ch 64 - 5320 MHz					
6 Mbps	0.273	0.1	0.3	11	Pass
36 Mbps	0.013	0.3	0.3	11	Pass
54 Mbps	0.138	0.5	0.6	11	Pass
802.11(n/ac) VHT20					
Low Channel, Ch 52 - 5260 MHz					
MCS0	0.169	0.1	0.2	11	Pass
MCS7	-0.331	0.5	0.2	11	Pass
MCS8 (256-QAM)	-3.062	0.6	-2.5	11	Pass
Mid Channel, Ch 60 - 5300 MHz					
MCS0	0.044	0.1	0.1	11	Pass
MCS7	-0.333	0.5	0.2	11	Pass
MCS8 (256-QAM)	-3.013	0.6	-2.5	11	Pass
High Channel, Ch 64 - 5320 MHz					
MCS0	-0.242	0.1	-0.2	11	Pass
MCS7	-0.58	0.5	-0.1	11	Pass
MCS8 (256-QAM)	-3.424	0.6	-2.8	11	Pass
802.11(n/ac) VHT40					
Low Channel, Ch 52/56 - 5270 MHz					
MCS0	-7.011	0.1	-6.9	11	Pass
MCS7	-7.686	0.7	-7	11	Pass
MCS9 (256-QAM)	-6.876	0.8	-6.1	11	Pass
High Channel, Ch 60/64 - 5310 MHz					
MCS0	-7.013	0.1	-6.9	11	Pass
MCS7	-7.752	0.7	-7	11	Pass
MCS9 (256-QAM)	-6.936	0.8	-6.1	11	Pass
802.11(n/ac) VHT80					
Low Channel, Ch 52-64 - 5290 MHz					
MCS0	-10.807	0.2	-10.6	11	Pass
MCS9 (256-QAM)	-11.638	1.1	-10.6	11	Pass

MAXIMUM POWER SPECTRAL DENSITY - 5.3 GHz BAND

5250 - 5350 MHz Band, 802.11(a) No HT, Low Channel, Ch 52 - 5260 MHz, 6 Mbps						
	Power (dBm/Ref BW)	Duty Cycle Factor (dB)		Density (dBm/Ref BW)	Limit ≤ (dBm/Ref BW)	Results
	0.632	0.1		0.7	11	Pass

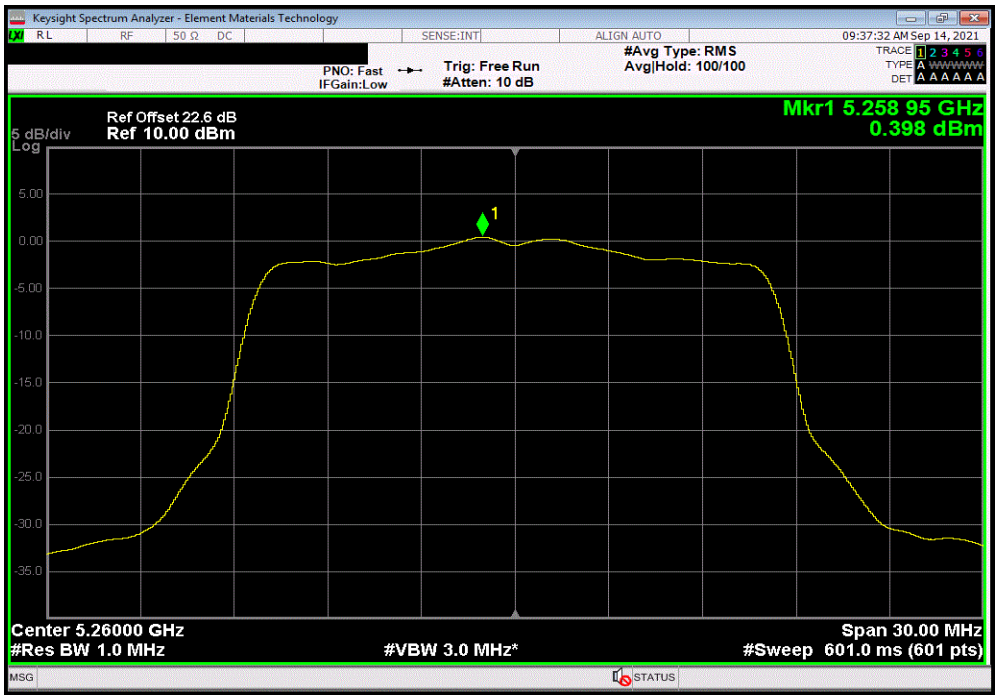


5250 - 5350 MHz Band, 802.11(a) No HT, Low Channel, Ch 52 - 5260 MHz, 36 Mbps						
	Power (dBm/Ref BW)	Duty Cycle Factor (dB)		Density (dBm/Ref BW)	Limit ≤ (dBm/Ref BW)	Results
	0.34	0.3		0.7	11	Pass

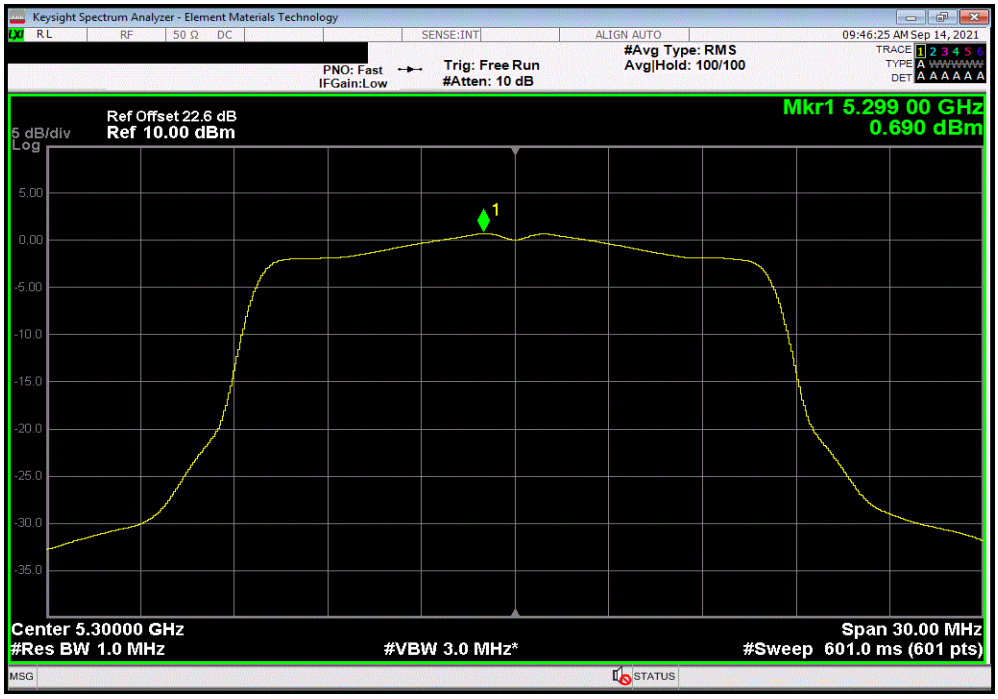


MAXIMUM POWER SPECTRAL DENSITY - 5.3 GHz BAND

5250 - 5350 MHz Band, 802.11(a) No HT, Low Channel, Ch 52 - 5260 MHz, 54 Mbps						
	Power (dBm/Ref BW)	Duty Cycle Factor (dB)		Density (dBm/Ref BW)	Limit ≤ (dBm/Ref BW)	Results
	0.398	0.5		0.9	11	Pass

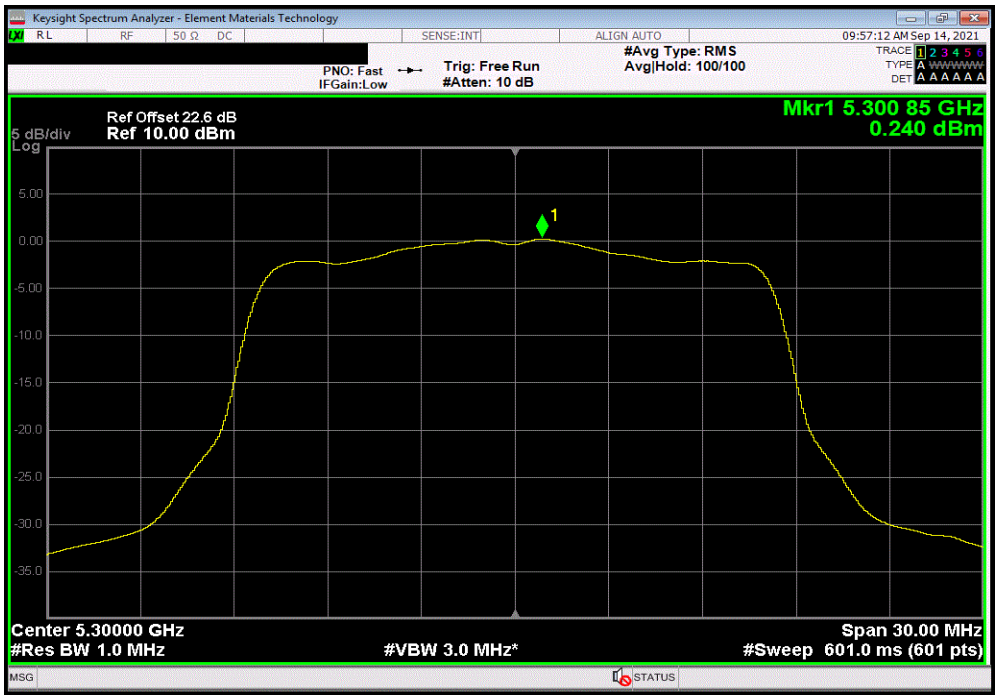


5250 - 5350 MHz Band, 802.11(a) No HT, Mid Channel, Ch 60 - 5300 MHz, 6 Mbps						
	Power (dBm/Ref BW)	Duty Cycle Factor (dB)		Density (dBm/Ref BW)	Limit ≤ (dBm/Ref BW)	Results
	0.69	0.1		0.8	11	Pass

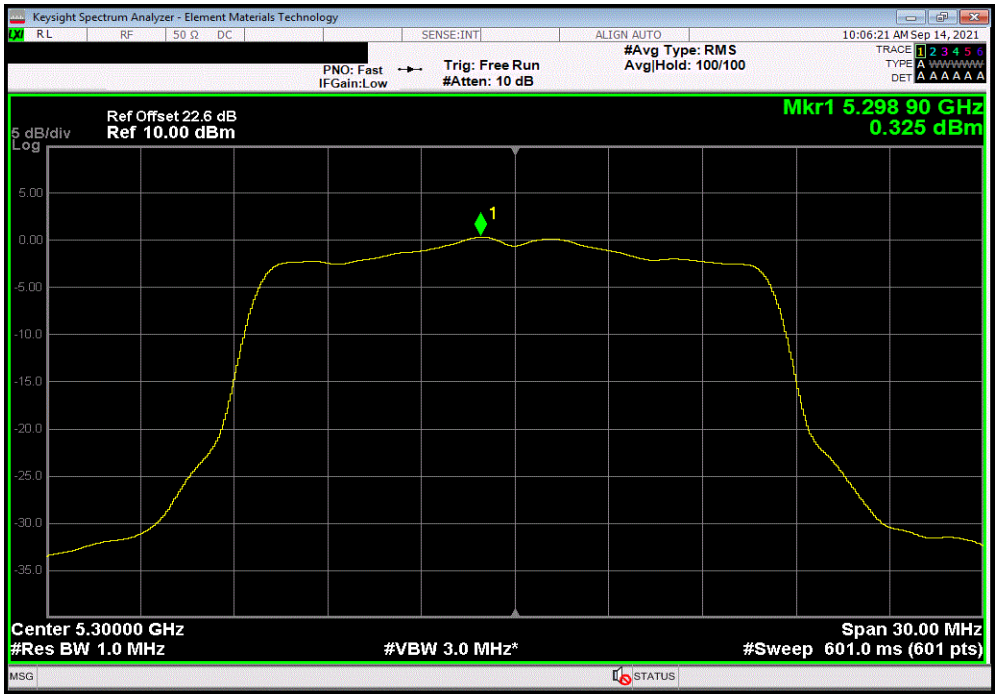


MAXIMUM POWER SPECTRAL DENSITY - 5.3 GHz BAND

5250 - 5350 MHz Band, 802.11(a) No HT, Mid Channel, Ch 60 - 5300 MHz, 36 Mbps						
	Power (dBm/Ref BW)	Duty Cycle Factor (dB)		Density (dBm/Ref BW)	Limit ≤ (dBm/Ref BW)	Results
	0.24	0.3		0.6	11	Pass

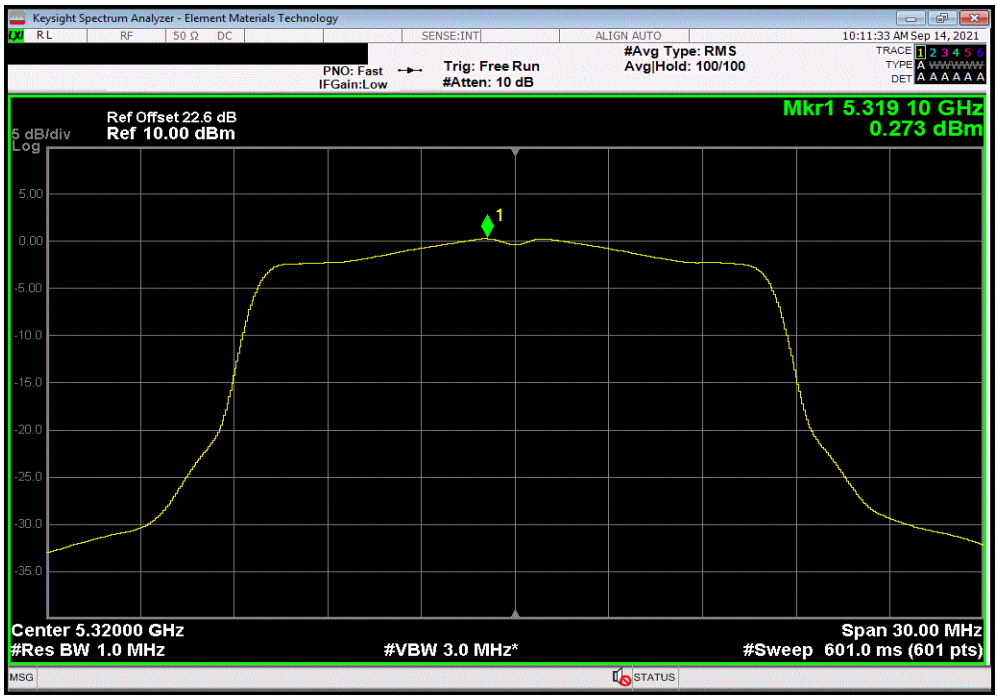


5250 - 5350 MHz Band, 802.11(a) No HT, Mid Channel, Ch 60 - 5300 MHz, 54 Mbps						
	Power (dBm/Ref BW)	Duty Cycle Factor (dB)		Density (dBm/Ref BW)	Limit ≤ (dBm/Ref BW)	Results
	0.325	0.5		0.8	11	Pass

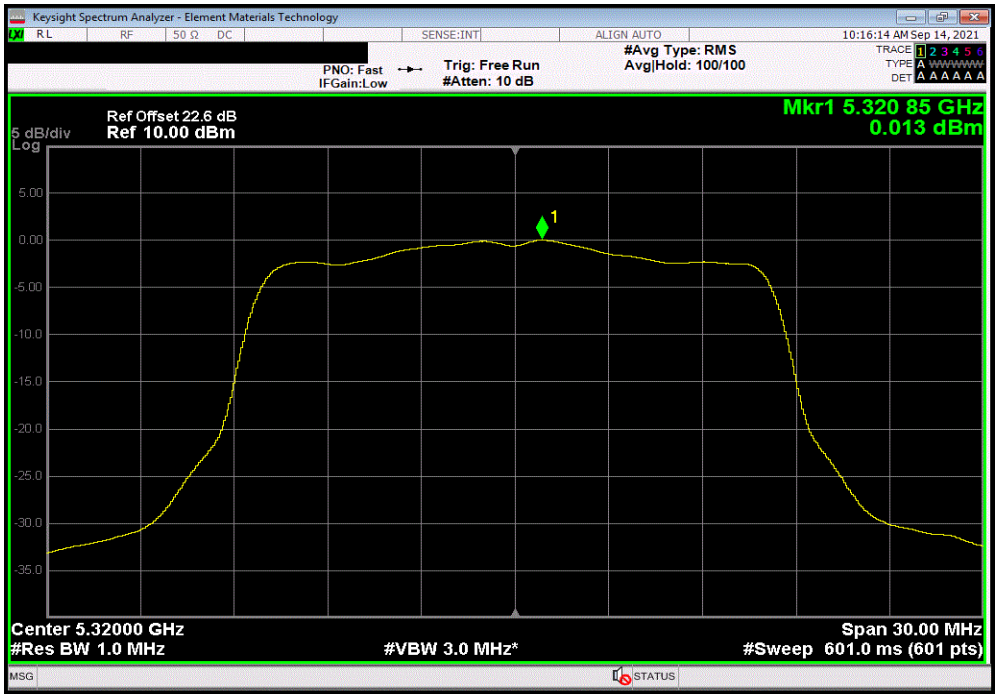


MAXIMUM POWER SPECTRAL DENSITY - 5.3 GHz BAND

5250 - 5350 MHz Band, 802.11(a) No HT, High Channel, Ch 64 - 5320 MHz, 6 Mbps						
	Power (dBm/Ref BW)	Duty Cycle Factor (dB)		Density (dBm/Ref BW)	Limit ≤ (dBm/Ref BW)	Results
	0.273	0.1		0.3	11	Pass

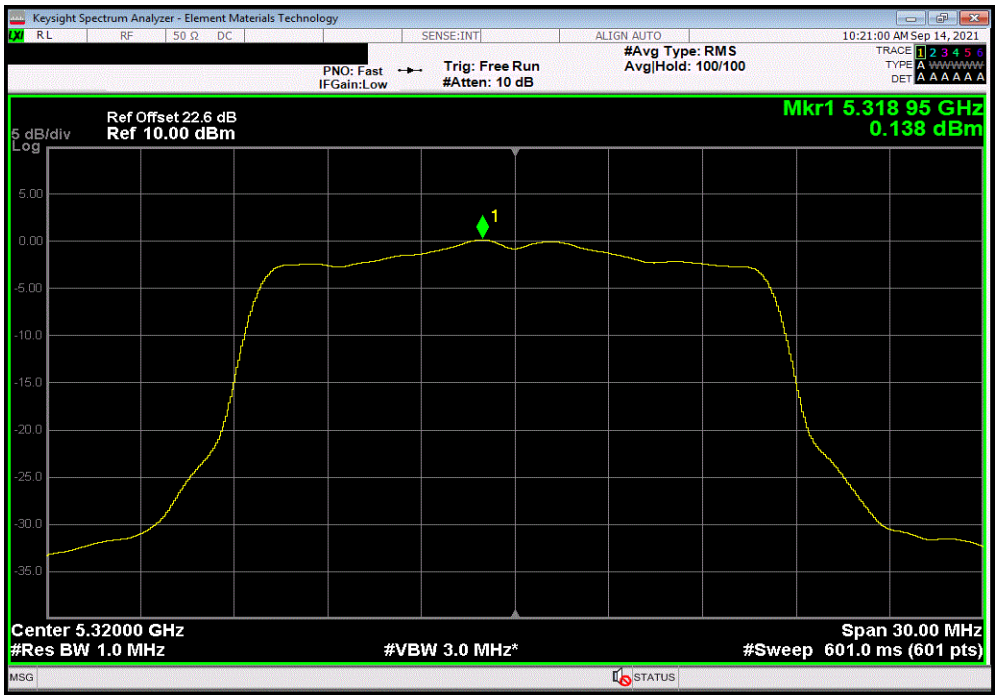


5250 - 5350 MHz Band, 802.11(a) No HT, High Channel, Ch 64 - 5320 MHz, 36 Mbps						
	Power (dBm/Ref BW)	Duty Cycle Factor (dB)		Density (dBm/Ref BW)	Limit ≤ (dBm/Ref BW)	Results
	0.013	0.3		0.3	11	Pass

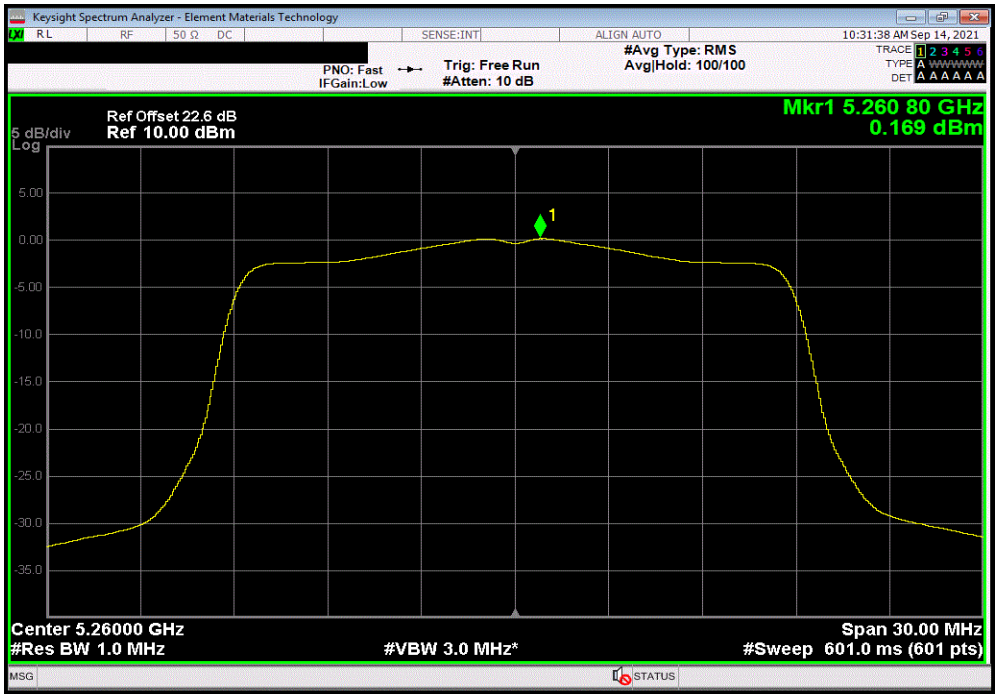


MAXIMUM POWER SPECTRAL DENSITY - 5.3 GHz BAND

5250 - 5350 MHz Band, 802.11(a) No HT, High Channel, Ch 64 - 5320 MHz, 54 Mbps						
	Power (dBm/Ref BW)	Duty Cycle Factor (dB)		Density (dBm/Ref BW)	Limit ≤ (dBm/Ref BW)	Results
	0.138	0.5		0.6	11	Pass

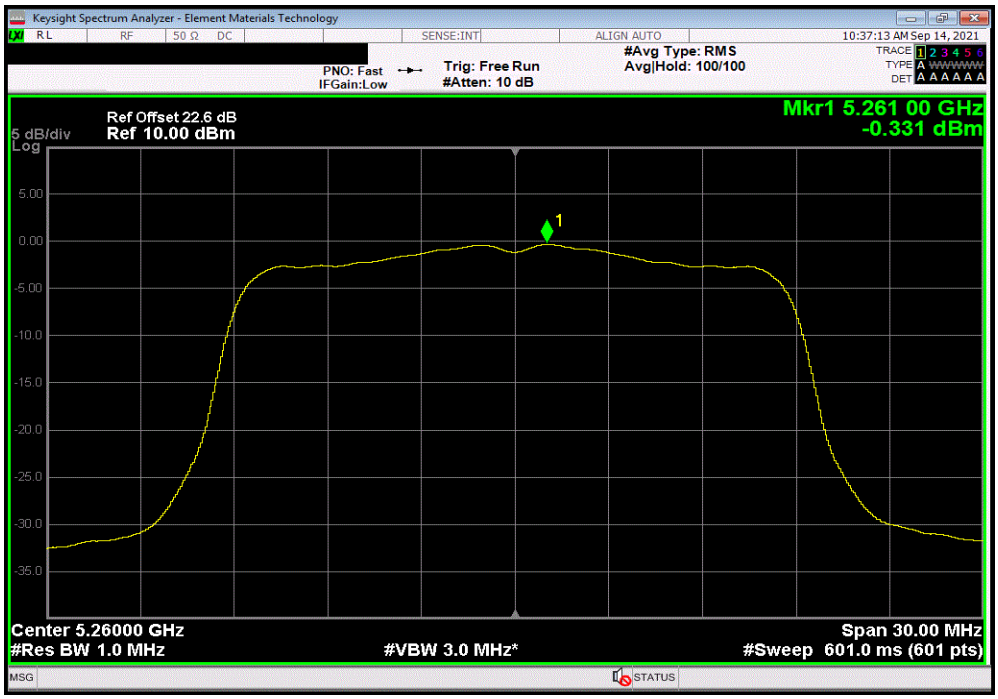


5250 - 5350 MHz Band, 802.11(n/ac) VHT20, Low Channel, Ch 52 - 5260 MHz, MCS0						
	Power (dBm/Ref BW)	Duty Cycle Factor (dB)		Density (dBm/Ref BW)	Limit ≤ (dBm/Ref BW)	Results
	0.169	0.1		0.2	11	Pass

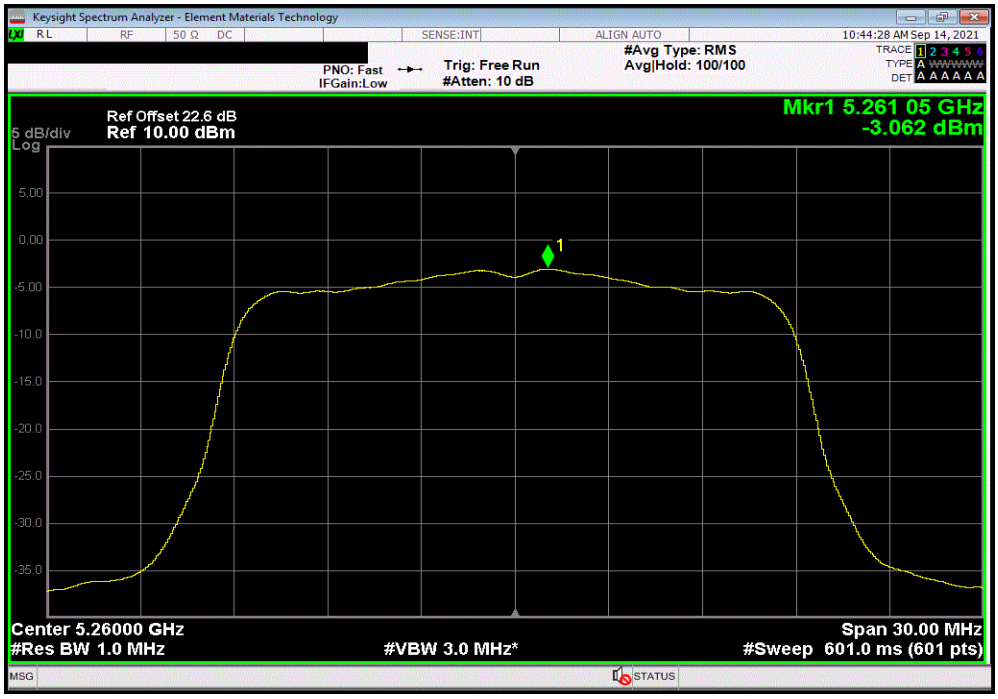


MAXIMUM POWER SPECTRAL DENSITY - 5.3 GHz BAND

5250 - 5350 MHz Band, 802.11(n/ac) VHT20, Low Channel, Ch 52 - 5260 MHz, MCS7						
	Power (dBm/Ref BW)	Duty Cycle Factor (dB)		Density (dBm/Ref BW)	Limit ≤ (dBm/Ref BW)	Results
	-0.331	0.5		0.2	11	Pass

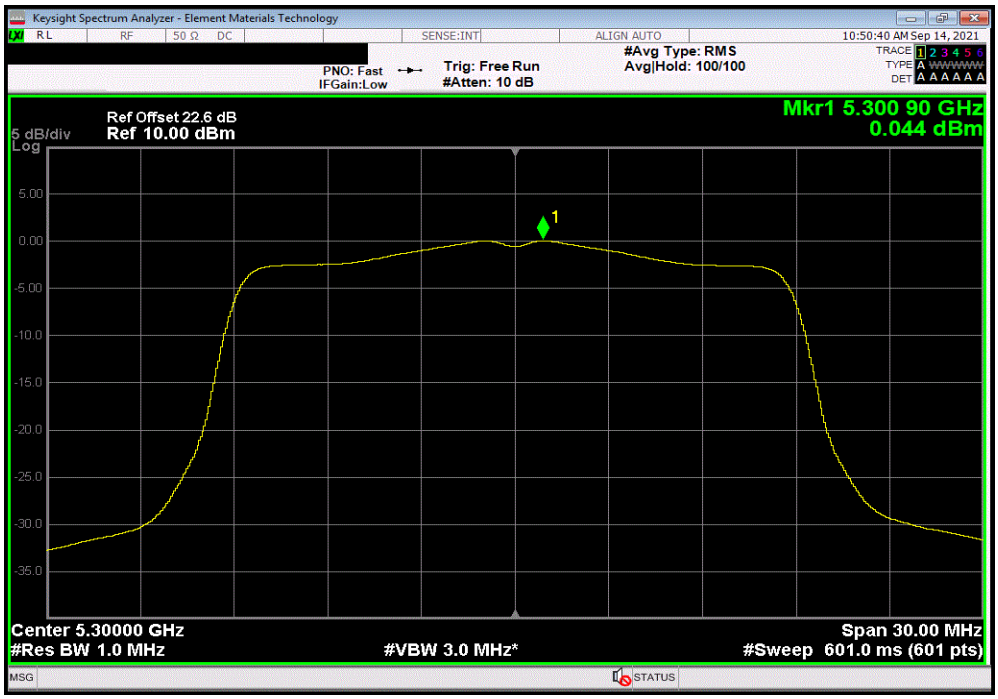


5250 - 5350 MHz Band, 802.11(n/ac) VHT20, Low Channel, Ch 52 - 5260 MHz, MCS8 (256-QAM)						
	Power (dBm/Ref BW)	Duty Cycle Factor (dB)		Density (dBm/Ref BW)	Limit ≤ (dBm/Ref BW)	Results
	-3.062	0.6		-2.5	11	Pass

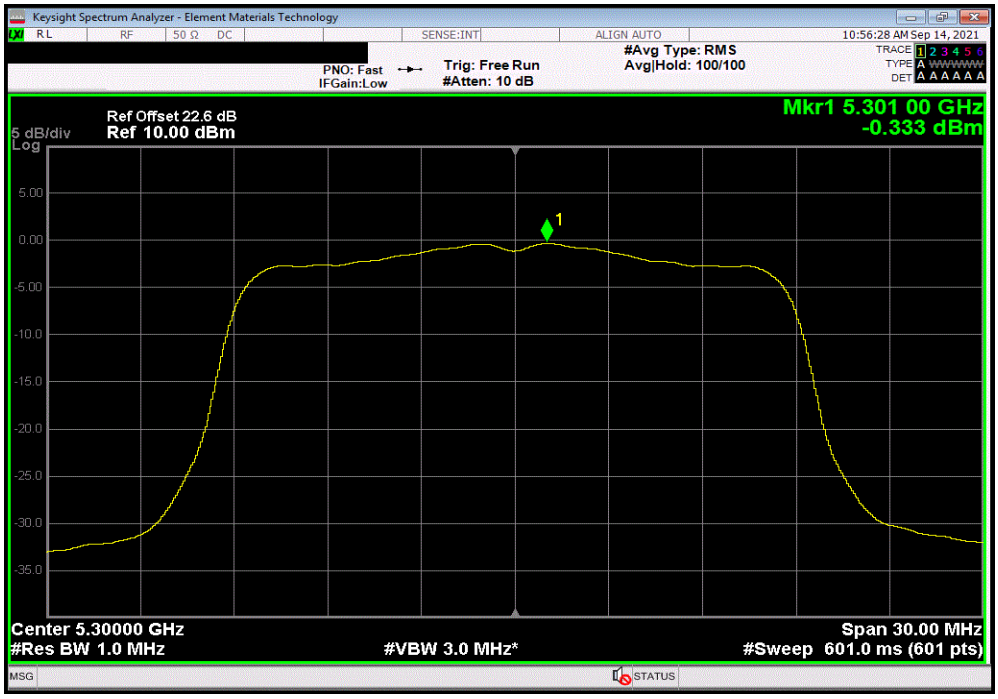


MAXIMUM POWER SPECTRAL DENSITY - 5.3 GHz BAND

5250 - 5350 MHz Band, 802.11(n/ac) VHT20, Mid Channel, Ch 60 - 5300 MHz, MCS0						
	Power (dBm/Ref BW)	Duty Cycle Factor (dB)		Density (dBm/Ref BW)	Limit ≤ (dBm/Ref BW)	Results
	0.044	0.1		0.1	11	Pass

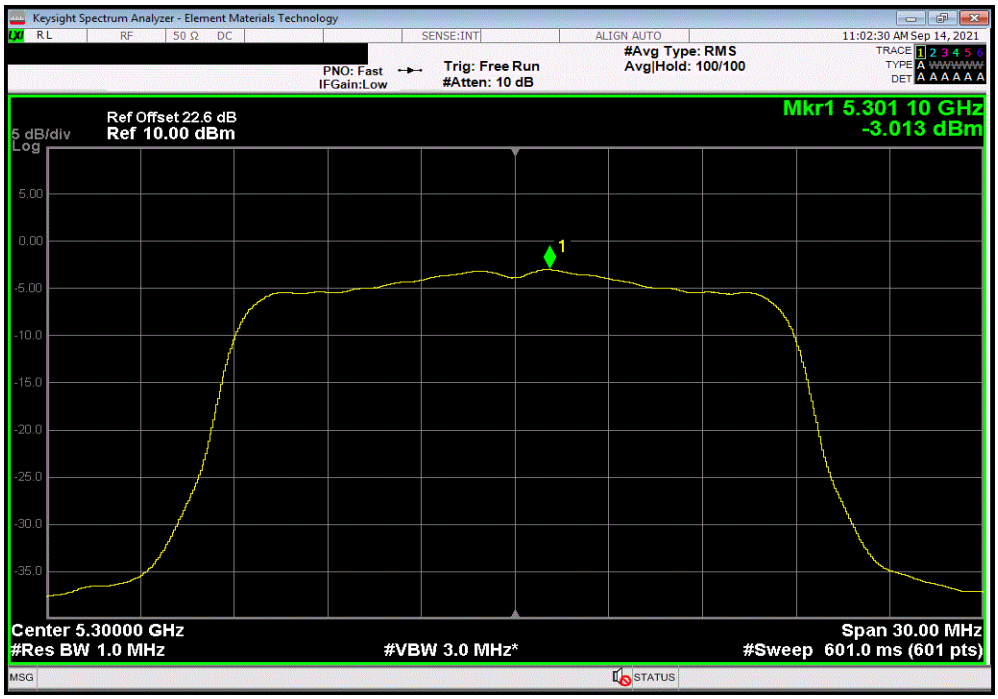


5250 - 5350 MHz Band, 802.11(n/ac) VHT20, Mid Channel, Ch 60 - 5300 MHz, MCS7						
	Power (dBm/Ref BW)	Duty Cycle Factor (dB)		Density (dBm/Ref BW)	Limit ≤ (dBm/Ref BW)	Results
	-0.333	0.5		0.2	11	Pass

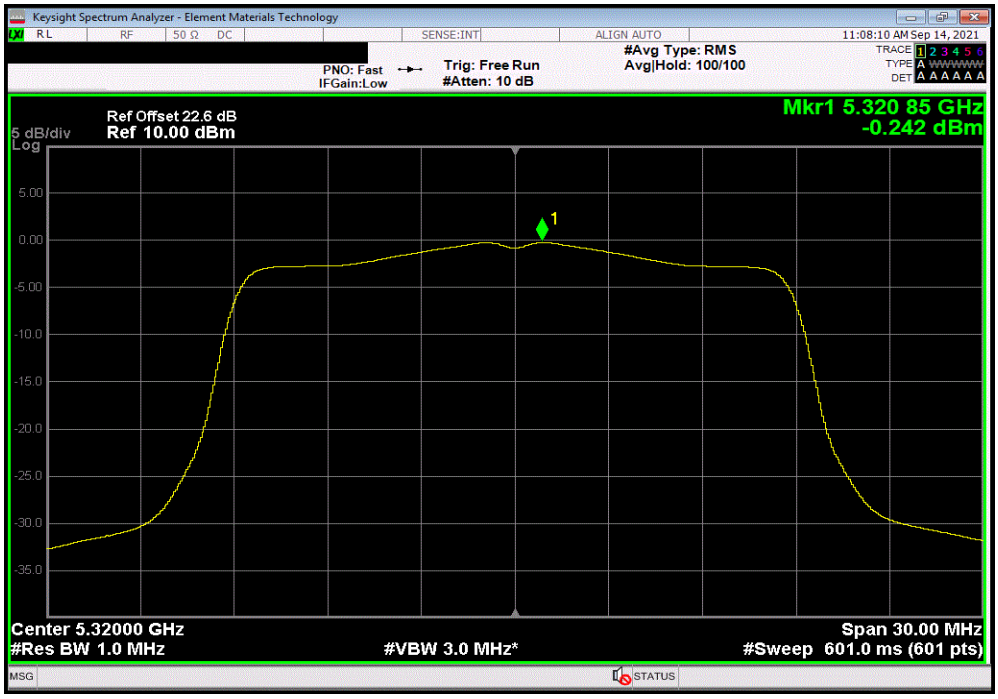


MAXIMUM POWER SPECTRAL DENSITY - 5.3 GHz BAND

5250 - 5350 MHz Band, 802.11(n/ac) VHT20, Mid Channel, Ch 60 - 5300 MHz, MCS8 (256-QAM)						
	Power (dBm/Ref BW)	Duty Cycle Factor (dB)		Density (dBm/Ref BW)	Limit ≤ (dBm/Ref BW)	Results
	-3.013	0.6		-2.5	11	Pass



5250 - 5350 MHz Band, 802.11(n/ac) VHT20, High Channel, Ch 64 - 5320 MHz, MCS0						
	Power (dBm/Ref BW)	Duty Cycle Factor (dB)		Density (dBm/Ref BW)	Limit ≤ (dBm/Ref BW)	Results
	-0.242	0.1		-0.2	11	Pass

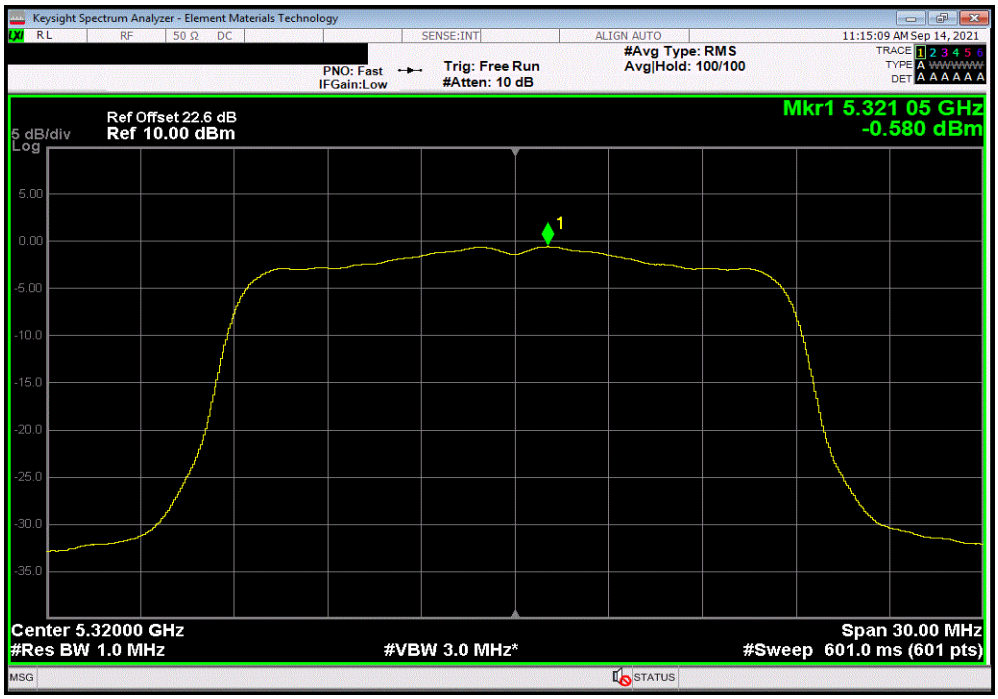


MAXIMUM POWER SPECTRAL DENSITY - 5.3 GHz BAND

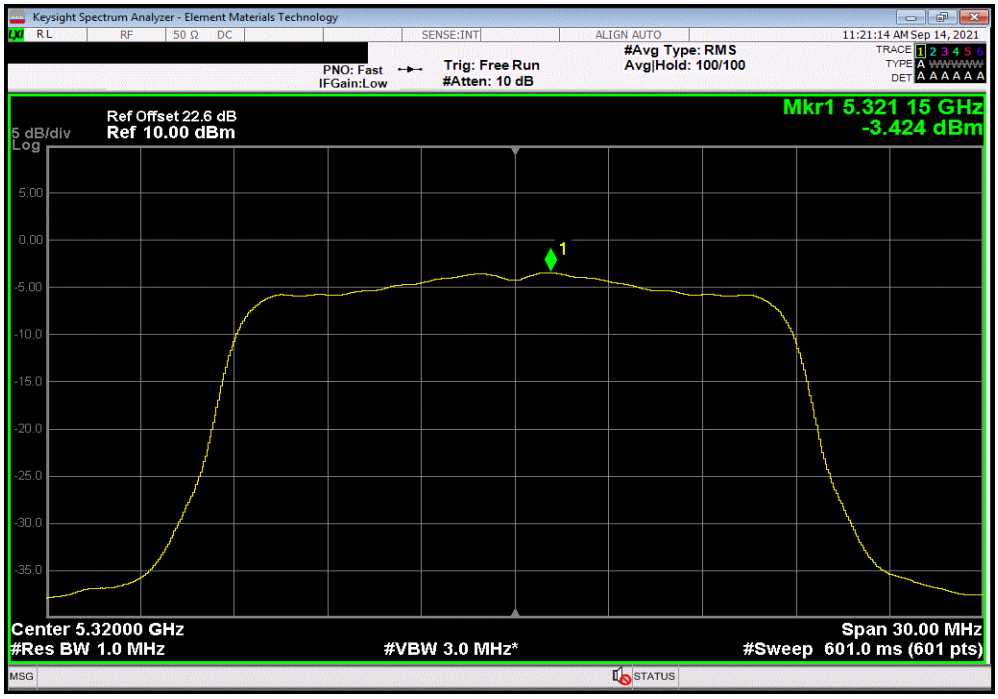
element

TbtTx 2021.03.19.1 XMit 2020.12.30.0

5250 - 5350 MHz Band, 802.11(n/ac) VHT20, High Channel, Ch 64 - 5320 MHz, MCS7						
	Power (dBm/Ref BW)	Duty Cycle Factor (dB)		Density (dBm/Ref BW)	Limit ≤ (dBm/Ref BW)	Results
	-0.58	0.5		-0.1	11	Pass

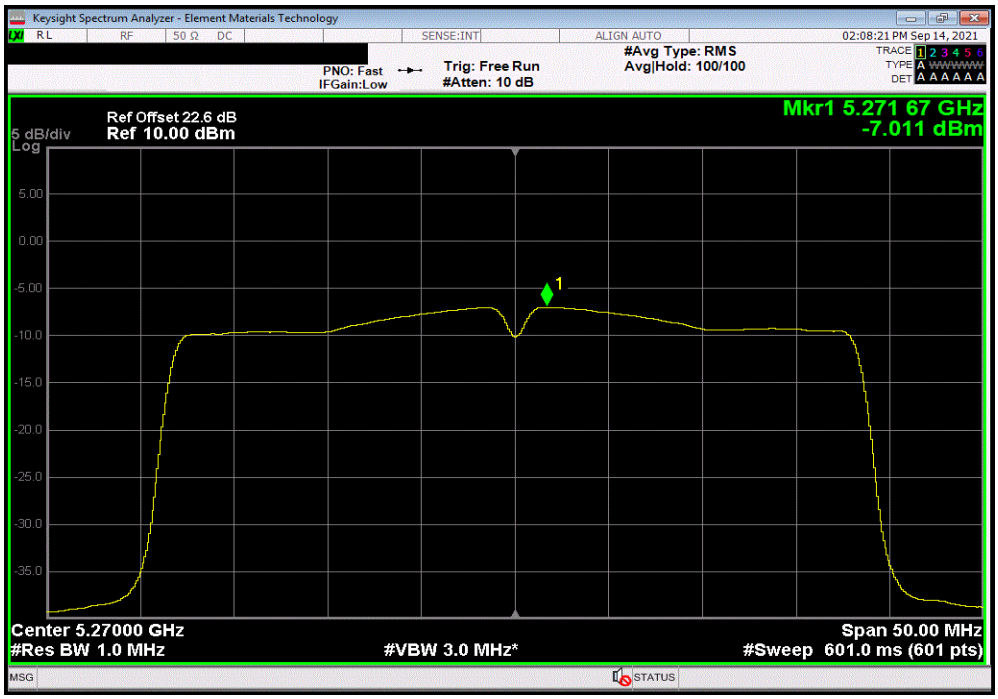


5250 - 5350 MHz Band, 802.11(n/ac) VHT20, High Channel, Ch 64 - 5320 MHz, MCS8 (256-QAM)						
	Power (dBm/Ref BW)	Duty Cycle Factor (dB)		Density (dBm/Ref BW)	Limit ≤ (dBm/Ref BW)	Results
	-3.424	0.6		-2.8	11	Pass

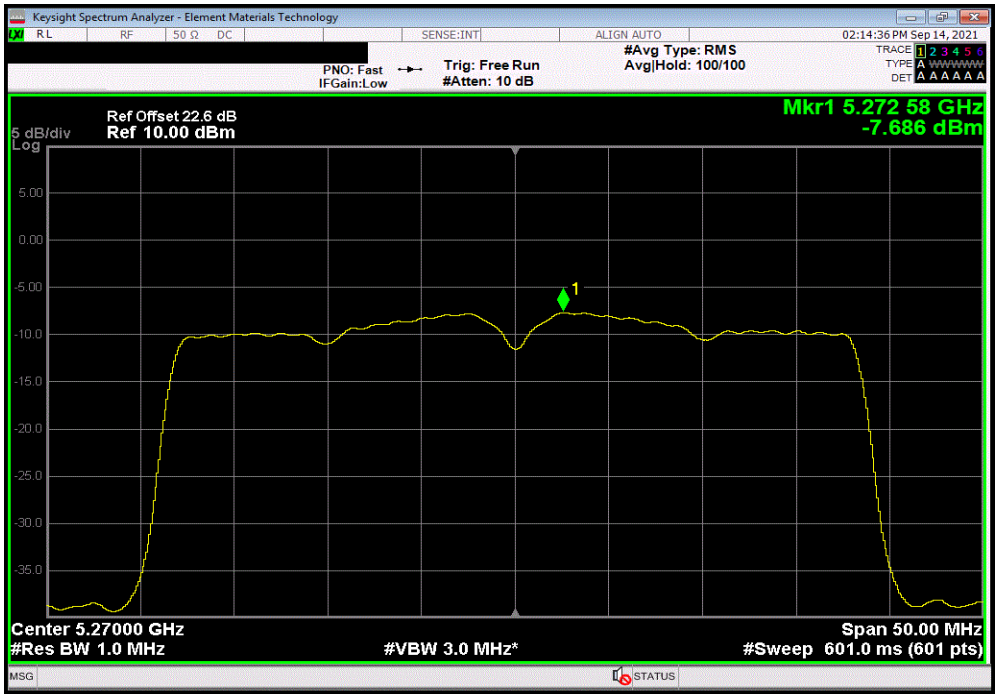


MAXIMUM POWER SPECTRAL DENSITY - 5.3 GHz BAND

5250 - 5350 MHz Band, 802.11(n/ac) VHT40, Low Channel, Ch 52/56 - 5270 MHz, MCS0						
	Power (dBm/Ref BW)	Duty Cycle Factor (dB)		Density (dBm/Ref BW)	Limit ≤ (dBm/Ref BW)	Results
	-7.011	0.1		-6.9	11	Pass

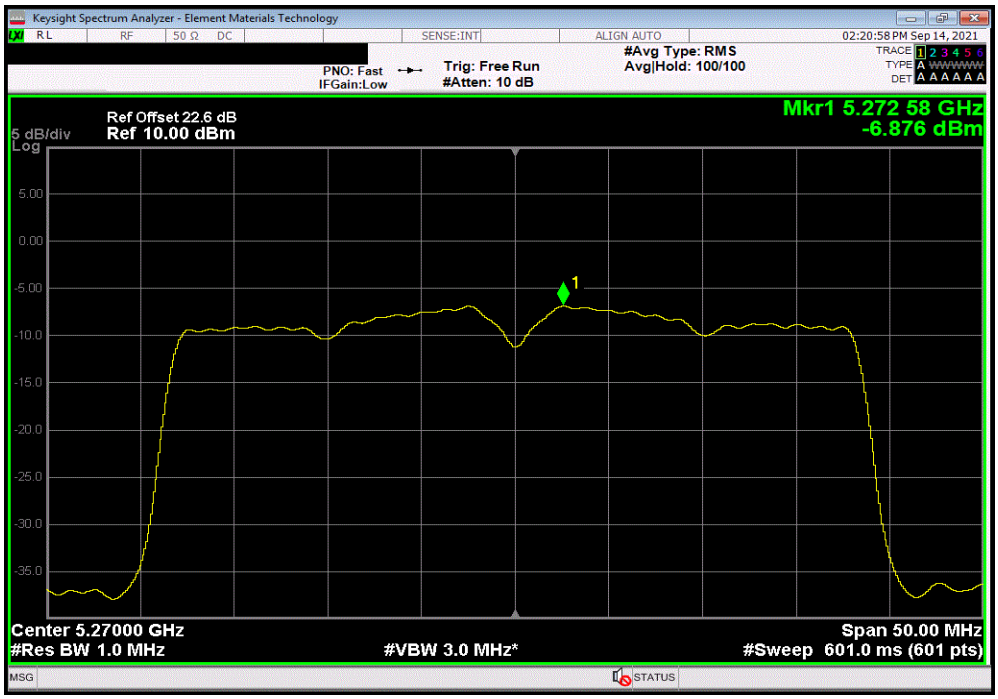


5250 - 5350 MHz Band, 802.11(n/ac) VHT40, Low Channel, Ch 52/56 - 5270 MHz, MCS7						
	Power (dBm/Ref BW)	Duty Cycle Factor (dB)		Density (dBm/Ref BW)	Limit ≤ (dBm/Ref BW)	Results
	-7.686	0.7		-7	11	Pass

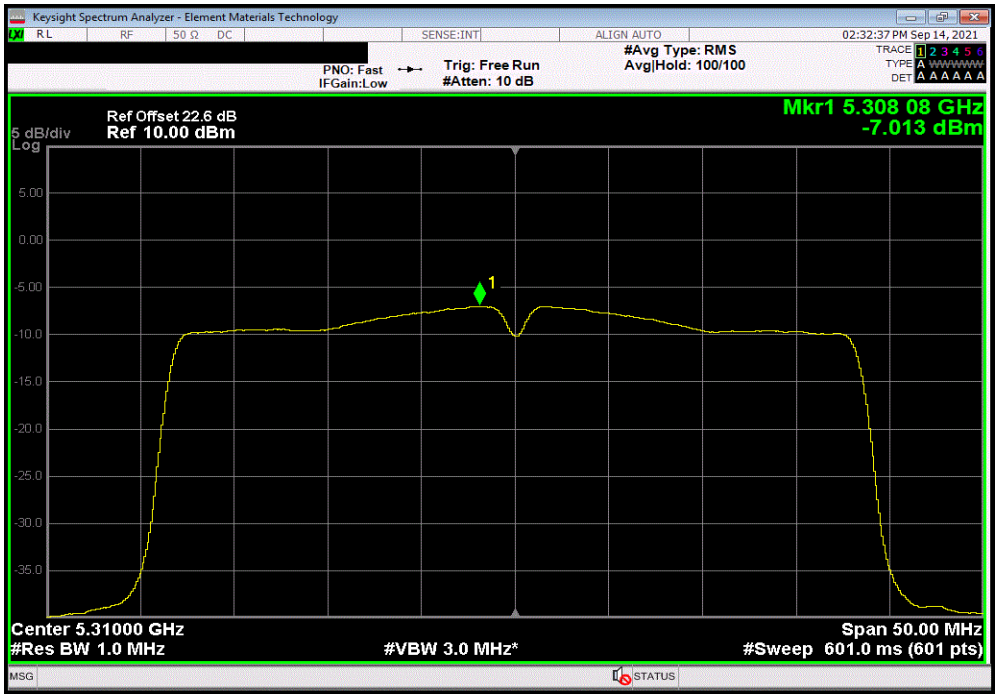


MAXIMUM POWER SPECTRAL DENSITY - 5.3 GHz BAND

5250 - 5350 MHz Band, 802.11(n/ac) VHT40, Low Channel, Ch 52/56 - 5270 MHz, MCS9 (256-QAM)						
	Power (dBm/Ref BW)	Duty Cycle Factor (dB)		Density (dBm/Ref BW)	Limit ≤ (dBm/Ref BW)	Results
	-6.876	0.8		-6.1	11	Pass

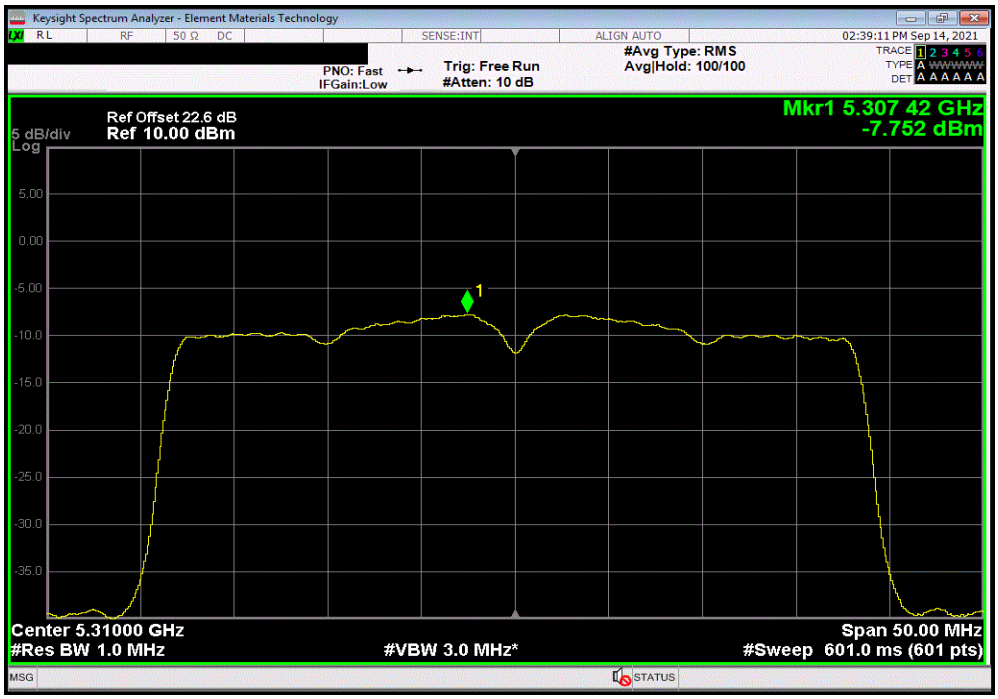


5250 - 5350 MHz Band, 802.11(n/ac) VHT40, High Channel, Ch 60/64 - 5310 MHz, MCS0						
	Power (dBm/Ref BW)	Duty Cycle Factor (dB)		Density (dBm/Ref BW)	Limit ≤ (dBm/Ref BW)	Results
	-7.013	0.1		-6.9	11	Pass

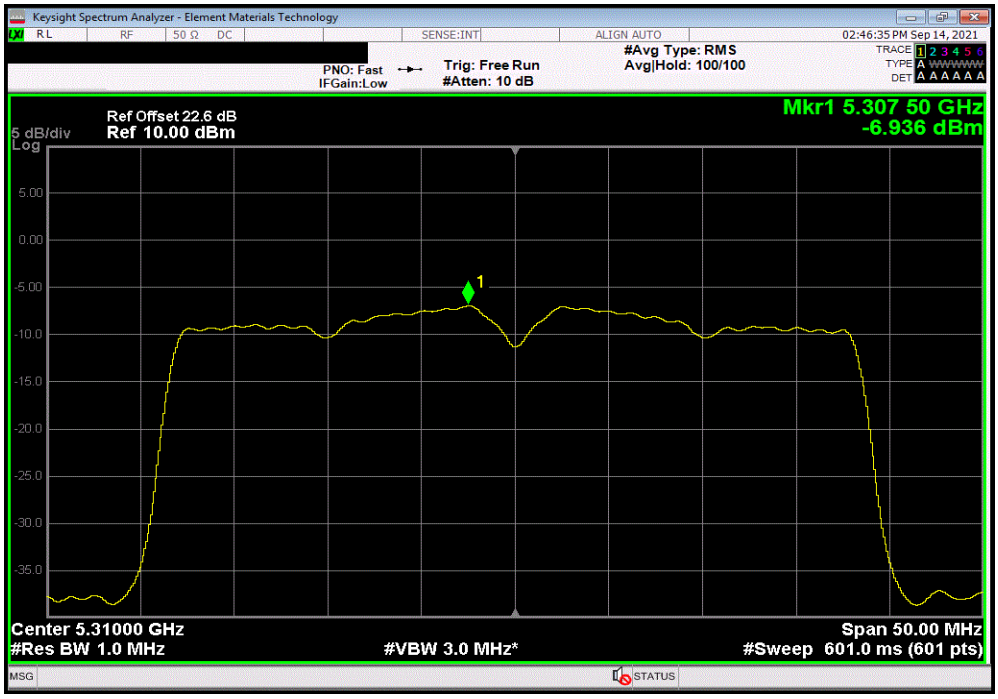


MAXIMUM POWER SPECTRAL DENSITY - 5.3 GHz BAND

5250 - 5350 MHz Band, 802.11(n/ac) VHT40, High Channel, Ch 60/64 - 5310 MHz, MCS7						
	Power (dBm/Ref BW)	Duty Cycle Factor (dB)		Density (dBm/Ref BW)	Limit ≤ (dBm/Ref BW)	Results
	-7.752	0.7		-7	11	Pass

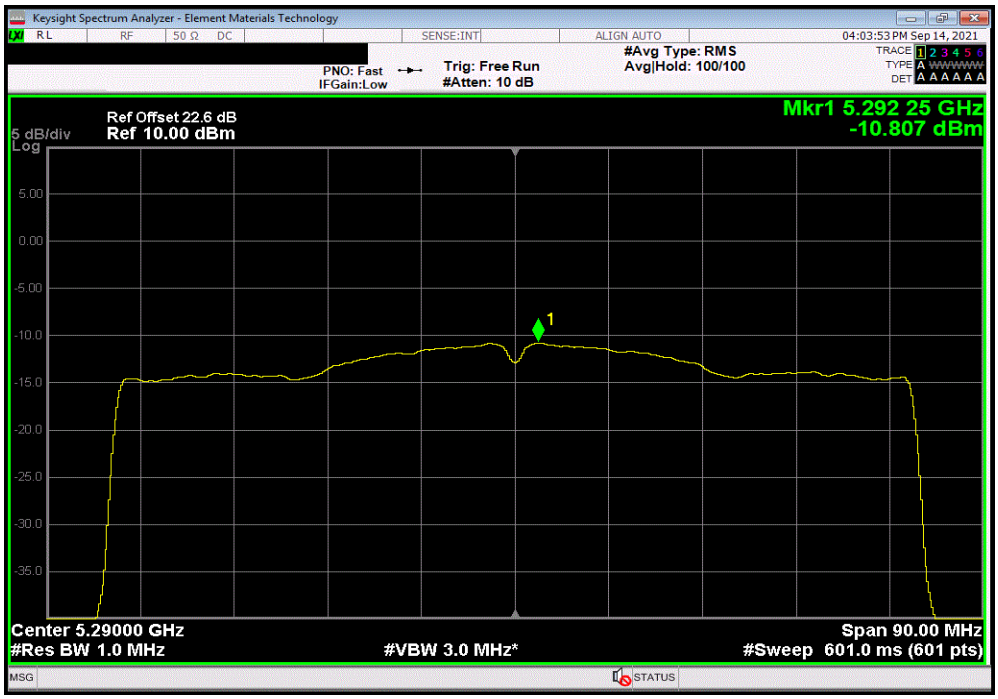


5250 - 5350 MHz Band, 802.11(n/ac) VHT40, High Channel, Ch 60/64 - 5310 MHz, MCS9 (256-QAM)						
	Power (dBm/Ref BW)	Duty Cycle Factor (dB)		Density (dBm/Ref BW)	Limit ≤ (dBm/Ref BW)	Results
	-6.936	0.8		-6.1	11	Pass

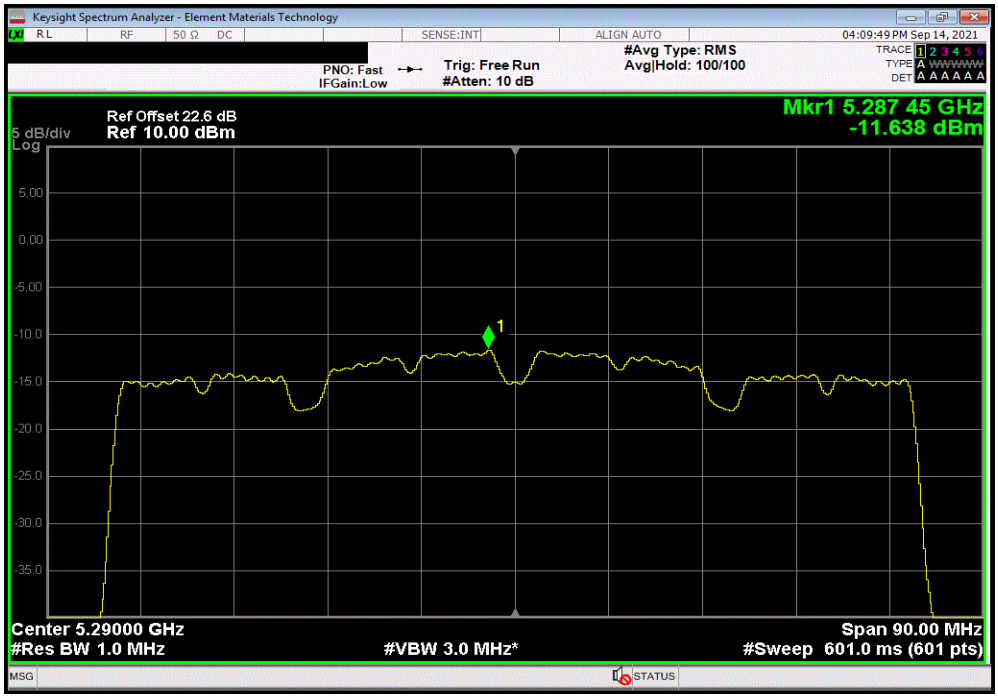


MAXIMUM POWER SPECTRAL DENSITY - 5.3 GHz BAND

5250 - 5350 MHz Band, 802.11(n/ac) VHT80, Low Channel, Ch 52-64 - 5290 MHz, MCS0						
	Power (dBm/Ref BW)	Duty Cycle Factor (dB)		Density (dBm/Ref BW)	Limit ≤ (dBm/Ref BW)	Results
	-10.807	0.2		-10.6	11	Pass



5250 - 5350 MHz Band, 802.11(n/ac) VHT80, Low Channel, Ch 52-64 - 5290 MHz, MCS9 (256-QAM)						
	Power (dBm/Ref BW)	Duty Cycle Factor (dB)		Density (dBm/Ref BW)	Limit ≤ (dBm/Ref BW)	Results
	-11.638	1.1		-10.6	11	Pass



MAXIMUM POWER SPECTRAL DENSITY - 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 power spectral density, the emission bandwidth (B) was measured. The method of measuring the emission bandwidth and the associated data are found elsewhere in this test report

The maximum power spectral density was measured using ANSI C63.10:2013, Clause 12.3.2.3, 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), consistent with the method used for maximum conducted output power.

The spectrum analyzer settings were set to:

- Span set to encompass the entire 99% OBW of the signal
- RBW = 1 MHz
- VBW = 3 MHz
- RMS Detector
- Trace average 100 traces in power averaging mode

The marker peak search function of the analyzer as used to determine to be the highest level found across the emission in any 1 MHz band after 100 sweeps of power averaging (not video averaging).

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 POWER SPECTRAL DENSITY - 5.6 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:**	23.1 °C
Attendees:	Ben Meadows			**Humidity:**	43% 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

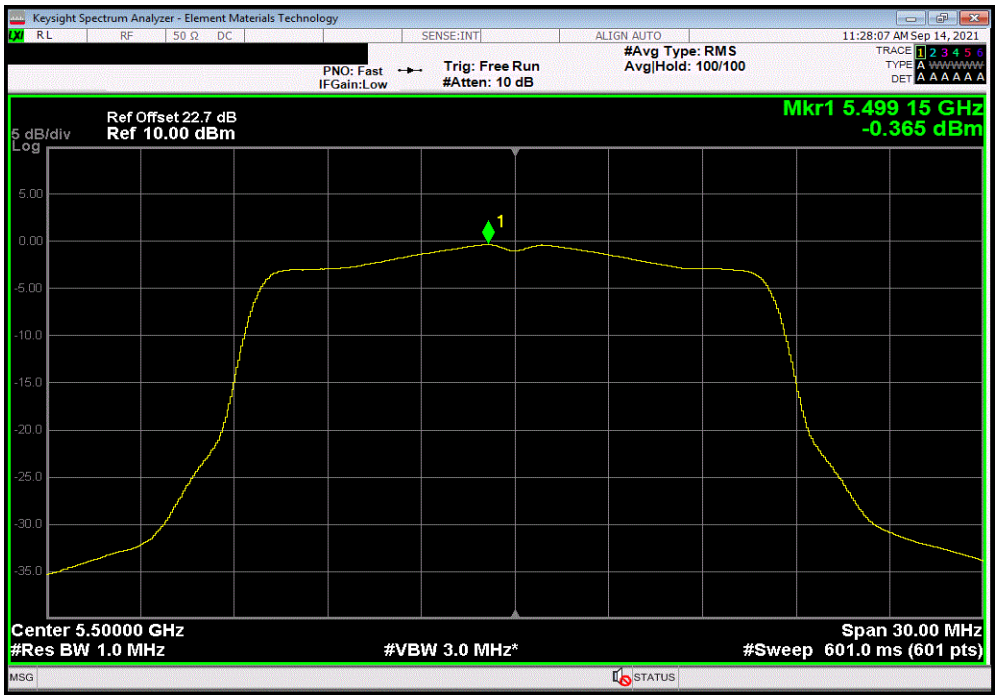
None

Configuration #	3	Signature

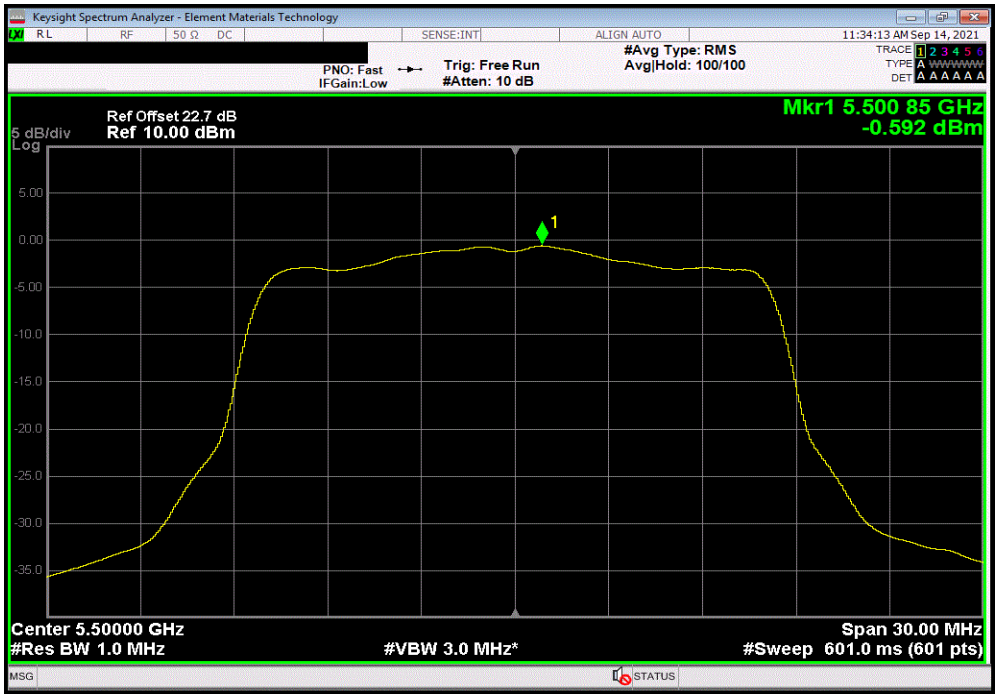
	Power (dBm/Ref BW)	Duty Cycle Factor (dB)	Density (dBm/Ref BW)	Limit ≤ (dBm/Ref BW)	Results
5470 - 5725 MHz Band					
802.11(a) No HT					
Low Channel, Ch 100 - 5500 MHz					
6 Mbps	-0.365	0.1	-0.3	11	Pass
36 Mbps	-0.592	0.3	-0.3	11	Pass
54 Mbps	-0.477	0.5	0	11	Pass
Mid Channel, Ch 116 - 5580 MHz					
6 Mbps	-0.491	0.1	-0.4	11	Pass
36 Mbps	-0.825	0.3	-0.5	11	Pass
54 Mbps	-0.727	0.5	-0.3	11	Pass
High Channel, Ch 140 - 5700 MHz					
6 Mbps	-0.534	0.1	-0.5	11	Pass
36 Mbps	-0.815	0.3	-0.5	11	Pass
54 Mbps	-0.758	0.5	-0.3	11	Pass
802.11(n/ac) VHT20					
Low Channel, Ch 100 - 5500 MHz					
MCS0	-0.824	0.1	-0.8	11	Pass
MCS7	-1.178	0.5	-0.7	11	Pass
MCS8 (256-QAM)	-3.74	0.6	-3.2	11	Pass
Mid Channel, Ch 116 - 5580 MHz					
MCS0	-0.941	0.1	-0.9	11	Pass
MCS7	-1.419	0.5	-0.9	11	Pass
MCS8 (256-QAM)	-4.189	0.6	-3.6	11	Pass
High Channel, Ch 140 - 5700 MHz					
MCS0	-1.085	0.1	-1	11	Pass
MCS7	-1.442	0.5	-1	11	Pass
MCS8 (256-QAM)	-4.177	0.5	-3.6	11	Pass
802.11(n/ac) VHT40					
Low Channel, Ch 100/104 - 5510 MHz					
MCS0	-7.941	0.1	-7.8	11	Pass
MCS7	-8.684	0.7	-8	11	Pass
MCS9 (256-QAM)	-7.784	0.8	-7	11	Pass
Mid Channel, Ch 108/112 - 5550 MHz					
MCS0	-7.819	0.1	-7.7	11	Pass
MCS7	-8.541	0.7	-7.8	11	Pass
MCS9 (256-QAM)	-7.703	0.9	-6.8	11	Pass
High Channel, Ch 132/136 - 5670 MHz					
MCS0	-7.948	0.1	-7.8	11	Pass
MCS7	-8.893	0.7	-8.2	11	Pass
MCS9 (256-QAM)	-7.768	0.8	-6.9	11	Pass
802.11(n/ac) VHT80					
Low Channel, Ch 100-112 - 5530 MHz					
MCS0	-12.028	0.2	-11.8	11	Pass
MCS9 (256-QAM)	-12.728	1.1	-11.6	11	Pass
High Channel, Ch 116-128 - 5610 MHz					
MCS0	-11.971	0.2	-11.7	11	Pass
MCS9 (256-QAM)	-12.722	1.1	-11.6	11	Pass

MAXIMUM POWER SPECTRAL DENSITY - 5.6 GHz BAND

5470 - 5725 MHz Band, 802.11(a) No HT, Low Channel, Ch 100 - 5500 MHz, 6 Mbps						
	Power (dBm/Ref BW)	Duty Cycle Factor (dB)		Density (dBm/Ref BW)	Limit ≤ (dBm/Ref BW)	Results
	-0.365	0.1		-0.3	11	Pass

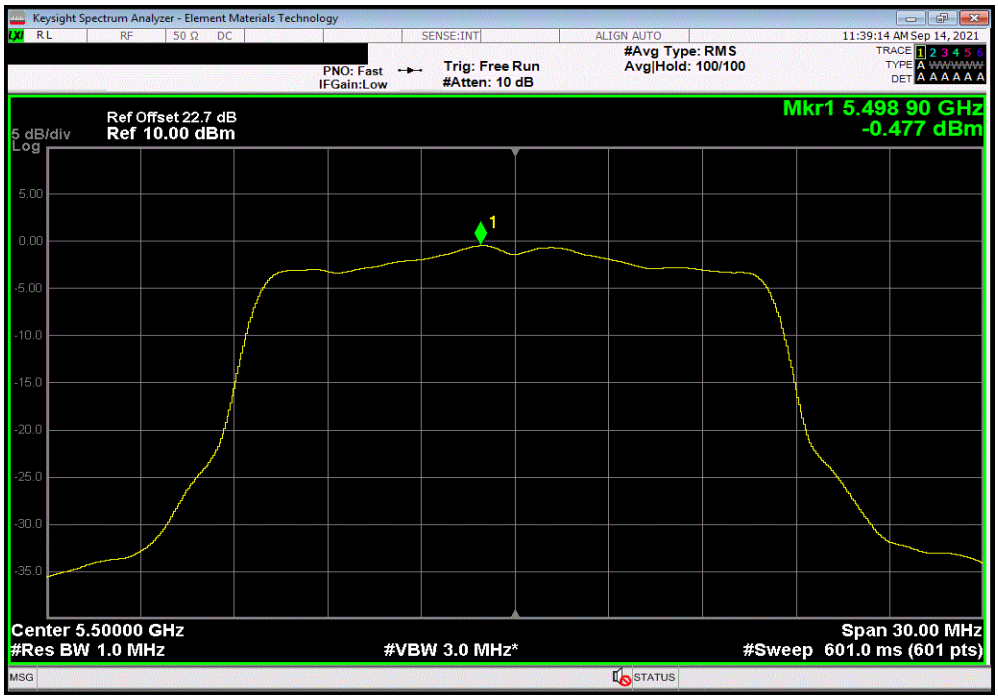


5470 - 5725 MHz Band, 802.11(a) No HT, Low Channel, Ch 100 - 5500 MHz, 36 Mbps						
	Power (dBm/Ref BW)	Duty Cycle Factor (dB)		Density (dBm/Ref BW)	Limit ≤ (dBm/Ref BW)	Results
	-0.592	0.3		-0.3	11	Pass

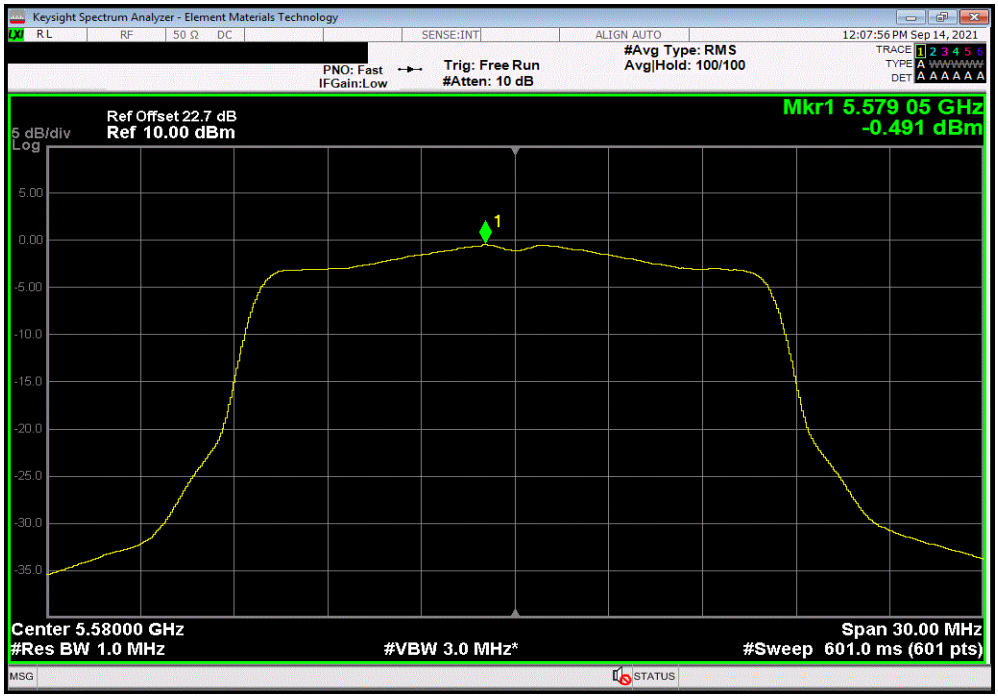


MAXIMUM POWER SPECTRAL DENSITY - 5.6 GHz BAND

5470 - 5725 MHz Band, 802.11(a) No HT, Low Channel, Ch 100 - 5500 MHz, 54 Mbps						
	Power (dBm/Ref BW)	Duty Cycle Factor (dB)		Density (dBm/Ref BW)	Limit ≤ (dBm/Ref BW)	Results
	-0.477	0.5		0	11	Pass



5470 - 5725 MHz Band, 802.11(a) No HT, Mid Channel, Ch 116 - 5580 MHz, 6 Mbps						
	Power (dBm/Ref BW)	Duty Cycle Factor (dB)		Density (dBm/Ref BW)	Limit ≤ (dBm/Ref BW)	Results
	-0.491	0.1		-0.4	11	Pass

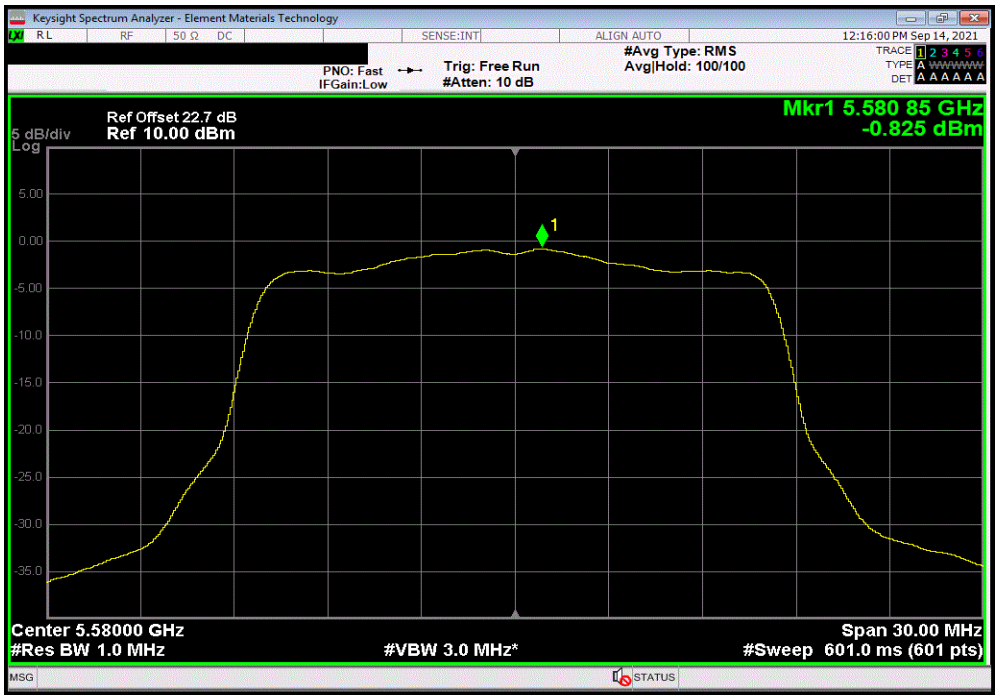


MAXIMUM POWER SPECTRAL DENSITY - 5.6 GHz BAND

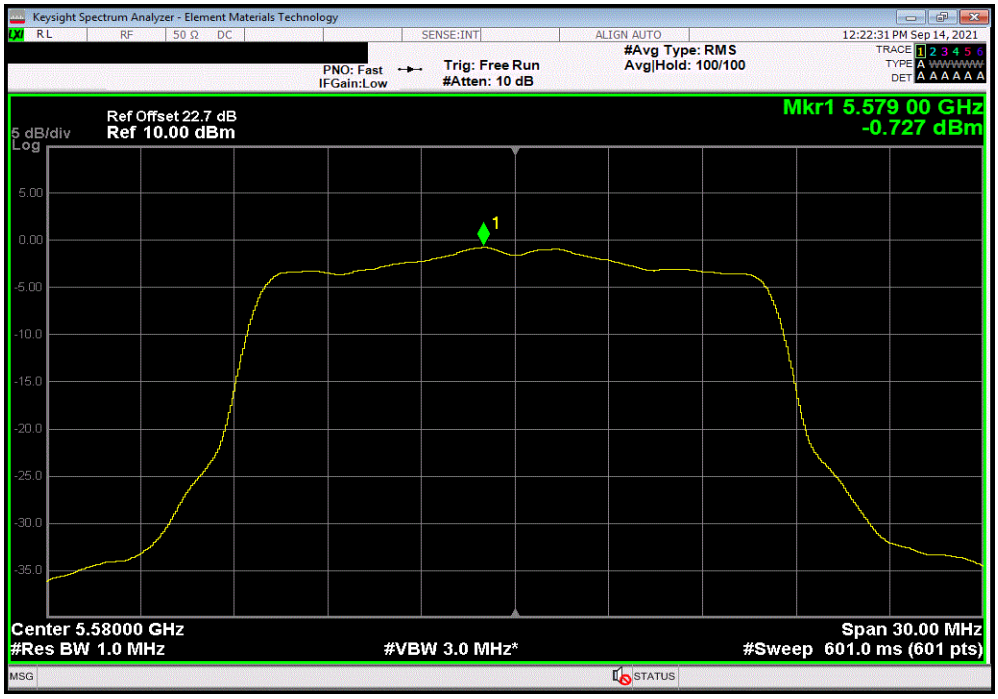
element

TbtTx 2021.03.19.1 XMit 2020.12.30.0

5470 - 5725 MHz Band, 802.11(a) No HT, Mid Channel, Ch 116 - 5580 MHz, 36 Mbps						
	Power (dBm/Ref BW)	Duty Cycle Factor (dB)		Density (dBm/Ref BW)	Limit ≤ (dBm/Ref BW)	Results
	-0.825	0.3		-0.5	11	Pass

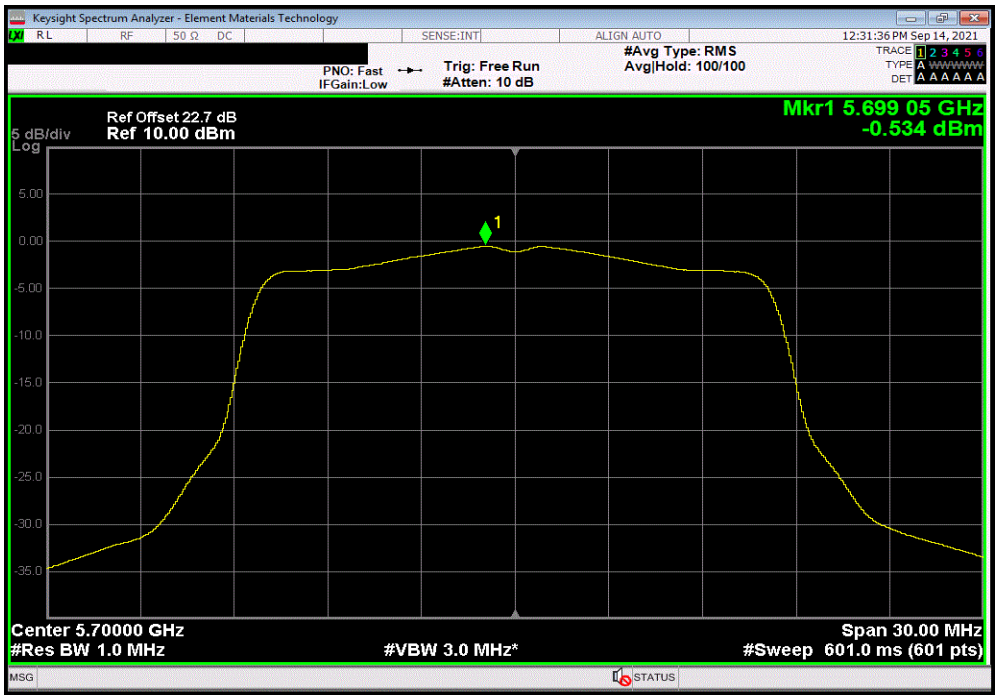


5470 - 5725 MHz Band, 802.11(a) No HT, Mid Channel, Ch 116 - 5580 MHz, 54 Mbps						
	Power (dBm/Ref BW)	Duty Cycle Factor (dB)		Density (dBm/Ref BW)	Limit ≤ (dBm/Ref BW)	Results
	-0.727	0.5		-0.3	11	Pass

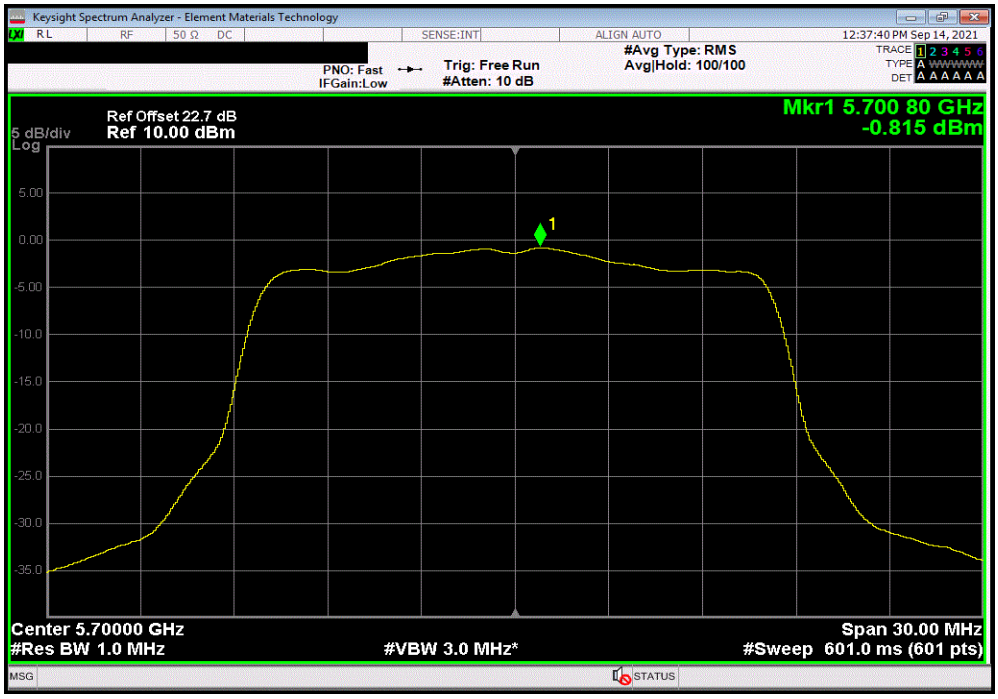


MAXIMUM POWER SPECTRAL DENSITY - 5.6 GHz BAND

5470 - 5725 MHz Band, 802.11(a) No HT, High Channel, Ch 140 - 5700 MHz, 6 Mbps						
	Power (dBm/Ref BW)	Duty Cycle Factor (dB)		Density (dBm/Ref BW)	Limit ≤ (dBm/Ref BW)	Results
	-0.534	0.1		-0.5	11	Pass

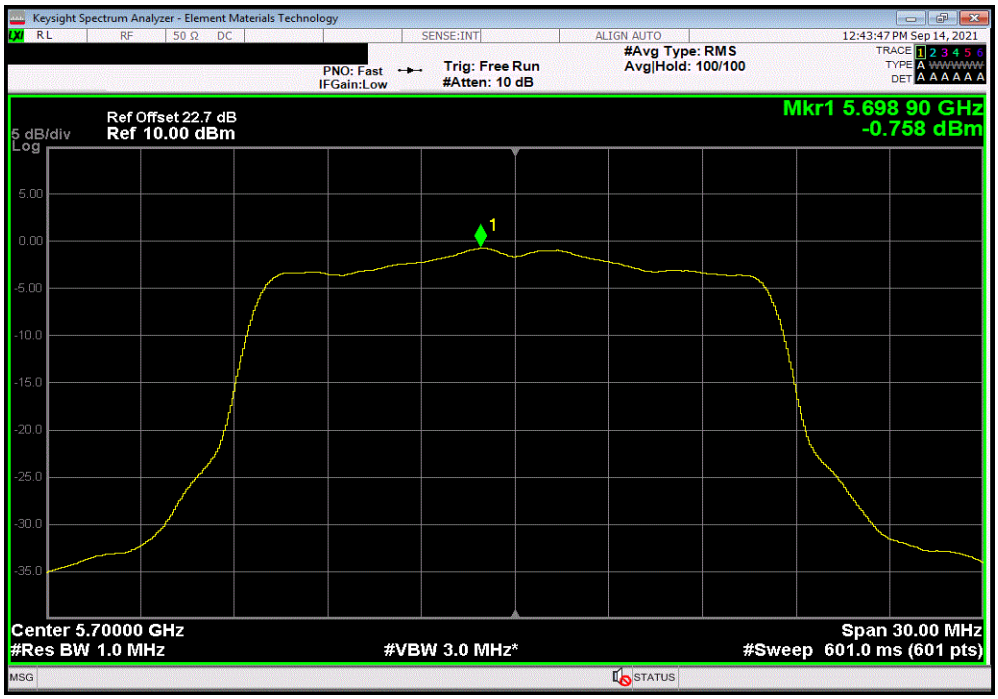


5470 - 5725 MHz Band, 802.11(a) No HT, High Channel, Ch 140 - 5700 MHz, 36 Mbps						
	Power (dBm/Ref BW)	Duty Cycle Factor (dB)		Density (dBm/Ref BW)	Limit ≤ (dBm/Ref BW)	Results
	-0.815	0.3		-0.5	11	Pass

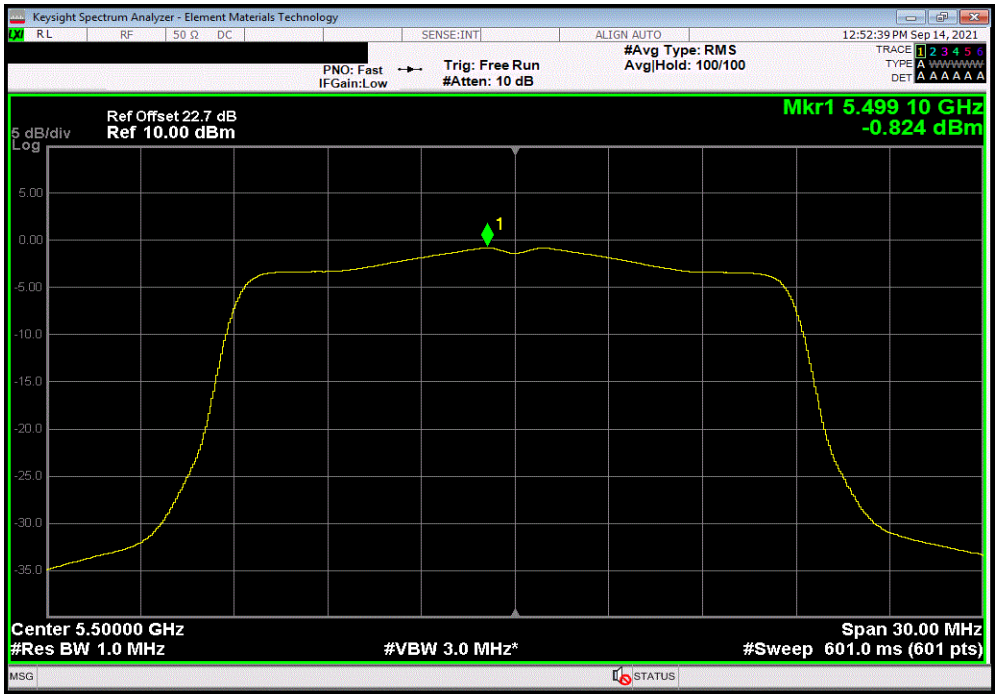


MAXIMUM POWER SPECTRAL DENSITY - 5.6 GHz BAND

5470 - 5725 MHz Band, 802.11(a) No HT, High Channel, Ch 140 - 5700 MHz, 54 Mbps						
	Power (dBm/Ref BW)	Duty Cycle Factor (dB)		Density (dBm/Ref BW)	Limit ≤ (dBm/Ref BW)	Results
	-0.758	0.5		-0.3	11	Pass

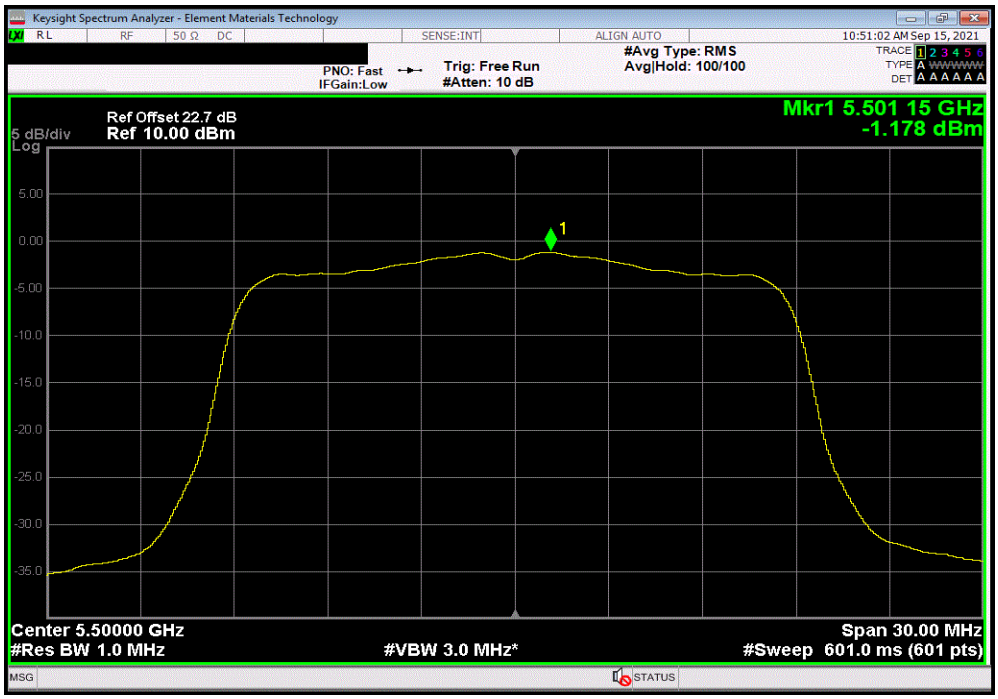


5470 - 5725 MHz Band, 802.11(n/ac) VHT20, Low Channel, Ch 100 - 5500 MHz, MCS0						
	Power (dBm/Ref BW)	Duty Cycle Factor (dB)		Density (dBm/Ref BW)	Limit ≤ (dBm/Ref BW)	Results
	-0.824	0.1		-0.8	11	Pass

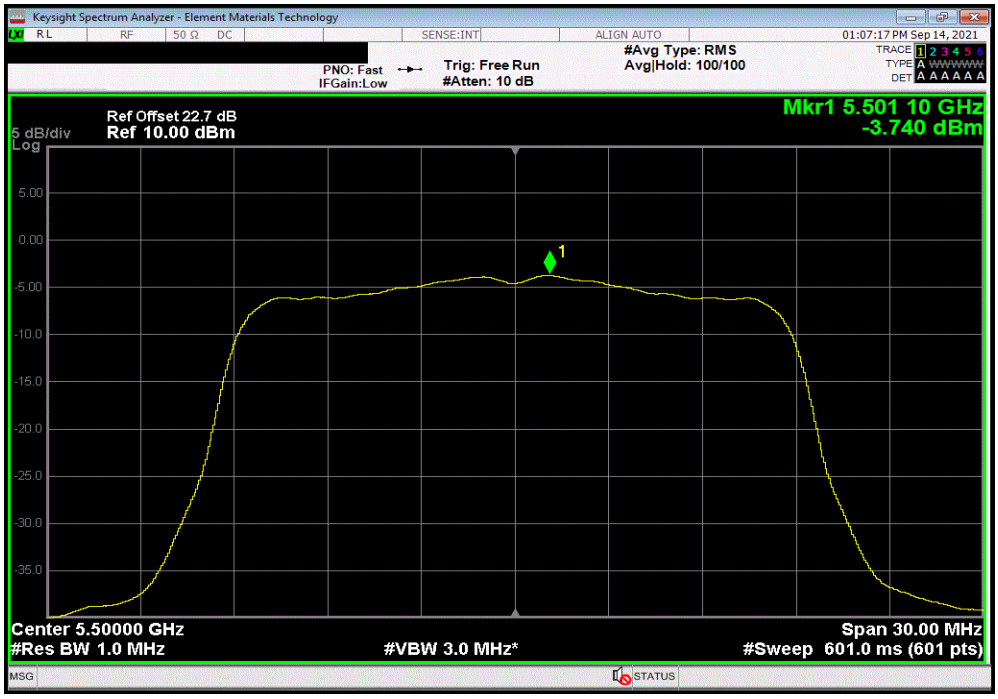


MAXIMUM POWER SPECTRAL DENSITY - 5.6 GHz BAND

5470 - 5725 MHz Band, 802.11(n/ac) VHT20, Low Channel, Ch 100 - 5500 MHz, MCS7						
	Power (dBm/Ref BW)	Duty Cycle Factor (dB)		Density (dBm/Ref BW)	Limit ≤ (dBm/Ref BW)	Results
	-1.178	0.5		-0.7	11	Pass

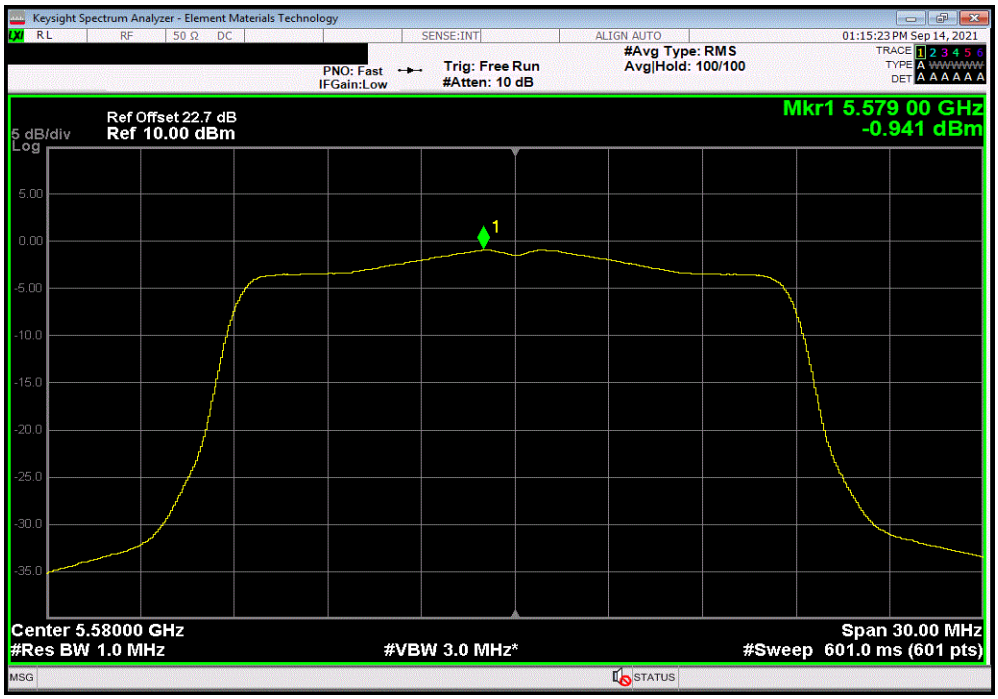


5470 - 5725 MHz Band, 802.11(n/ac) VHT20, Low Channel, Ch 100 - 5500 MHz, MCS8 (256-QAM)						
	Power (dBm/Ref BW)	Duty Cycle Factor (dB)		Density (dBm/Ref BW)	Limit ≤ (dBm/Ref BW)	Results
	-3.74	0.6		-3.2	11	Pass

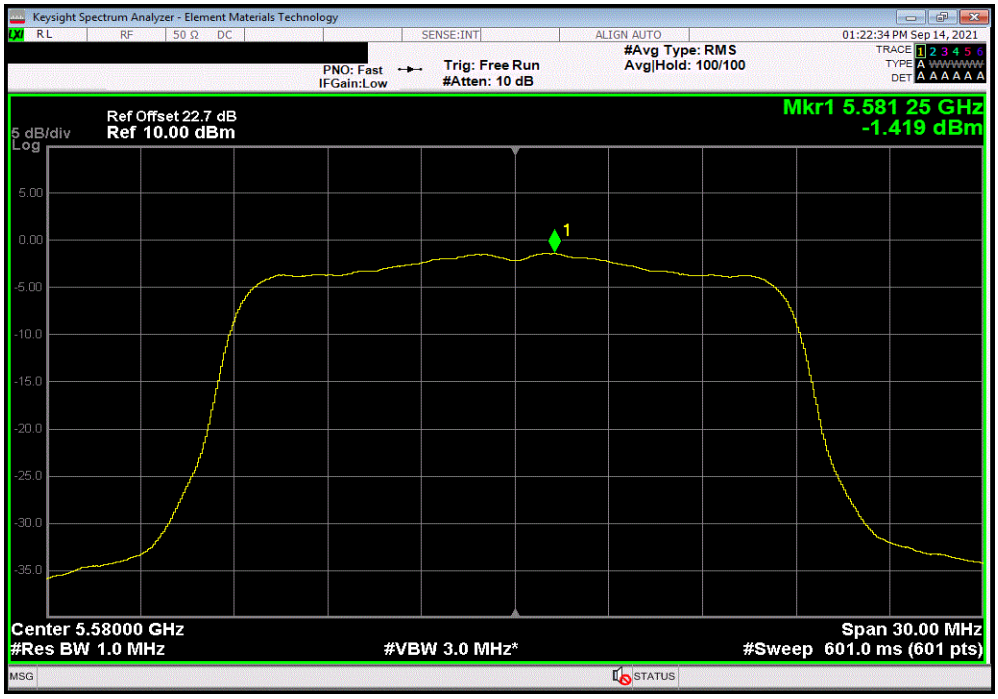


MAXIMUM POWER SPECTRAL DENSITY - 5.6 GHz BAND

5470 - 5725 MHz Band, 802.11(n/ac) VHT20, Mid Channel, Ch 116 - 5580 MHz, MCS0						
	Power (dBm/Ref BW)	Duty Cycle Factor (dB)		Density (dBm/Ref BW)	Limit ≤ (dBm/Ref BW)	Results
	-0.941	0.1		-0.9	11	Pass

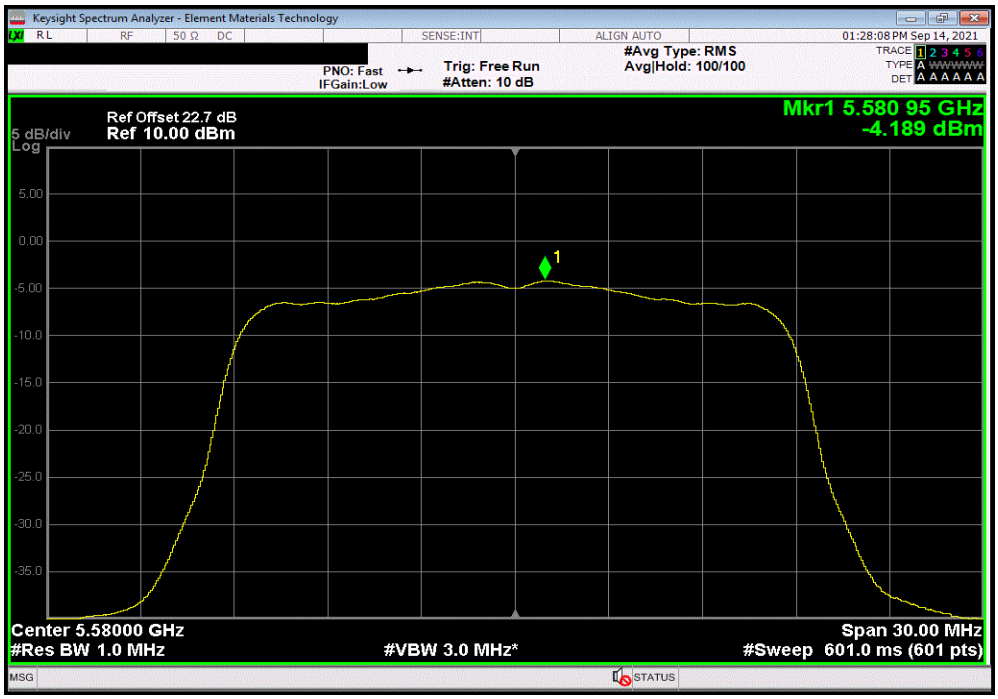


5470 - 5725 MHz Band, 802.11(n/ac) VHT20, Mid Channel, Ch 116 - 5580 MHz, MCS7						
	Power (dBm/Ref BW)	Duty Cycle Factor (dB)		Density (dBm/Ref BW)	Limit ≤ (dBm/Ref BW)	Results
	-1.419	0.5		-0.9	11	Pass

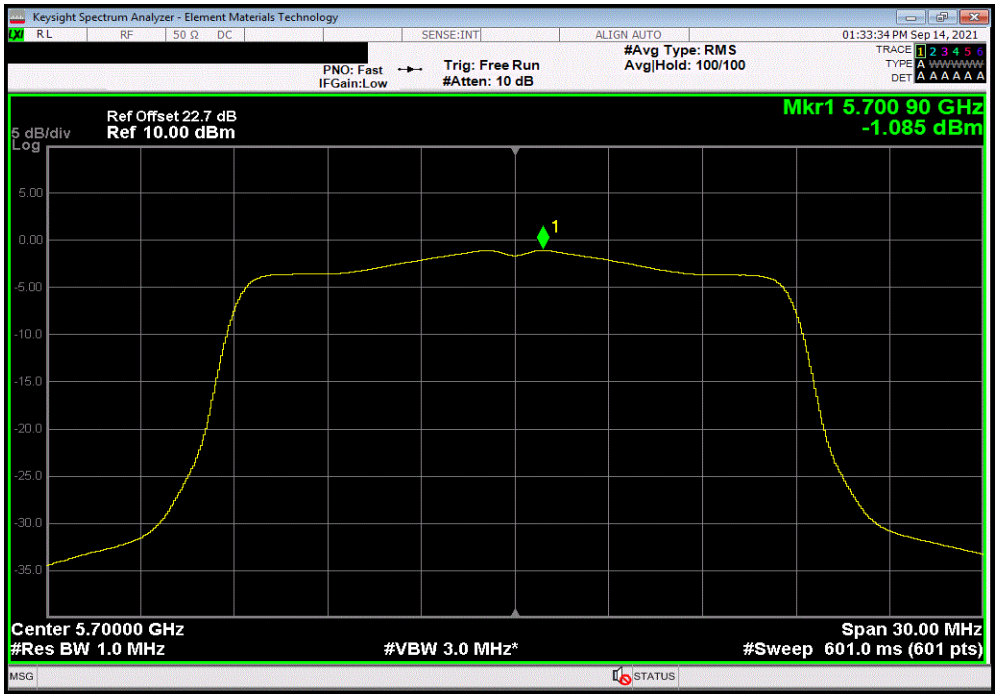


MAXIMUM POWER SPECTRAL DENSITY - 5.6 GHz BAND

5470 - 5725 MHz Band, 802.11(n/ac) VHT20, Mid Channel, Ch 116 - 5580 MHz, MCS8 (256-QAM)						
	Power (dBm/Ref BW)	Duty Cycle Factor (dB)		Density (dBm/Ref BW)	Limit ≤ (dBm/Ref BW)	Results
	-4.189	0.6		-3.6	11	Pass

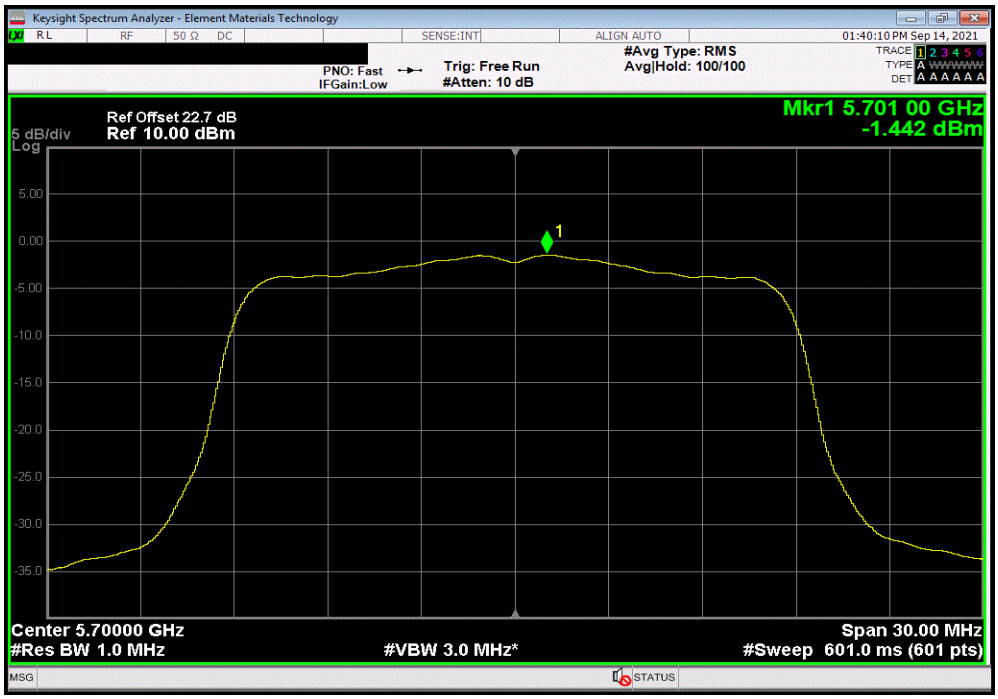


5470 - 5725 MHz Band, 802.11(n/ac) VHT20, High Channel, Ch 140 - 5700 MHz, MCS0						
	Power (dBm/Ref BW)	Duty Cycle Factor (dB)		Density (dBm/Ref BW)	Limit ≤ (dBm/Ref BW)	Results
	-1.085	0.1		-1	11	Pass

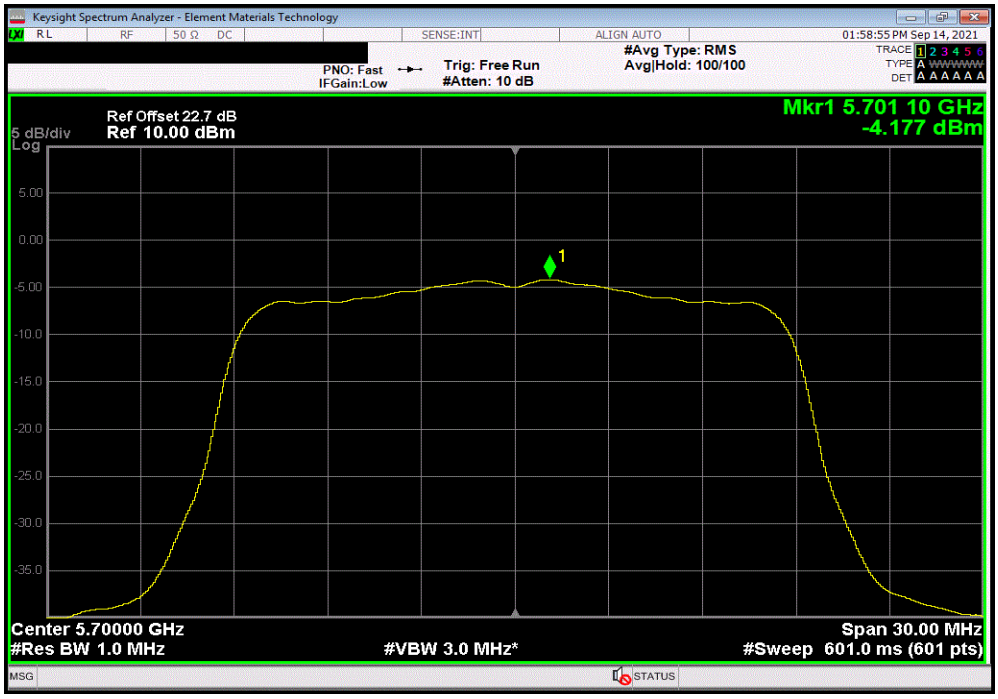


MAXIMUM POWER SPECTRAL DENSITY - 5.6 GHz BAND

5470 - 5725 MHz Band, 802.11(n/ac) VHT20, High Channel, Ch 140 - 5700 MHz, MCS7						
	Power (dBm/Ref BW)	Duty Cycle Factor (dB)		Density (dBm/Ref BW)	Limit ≤ (dBm/Ref BW)	Results
	-1.442	0.5		-1	11	Pass

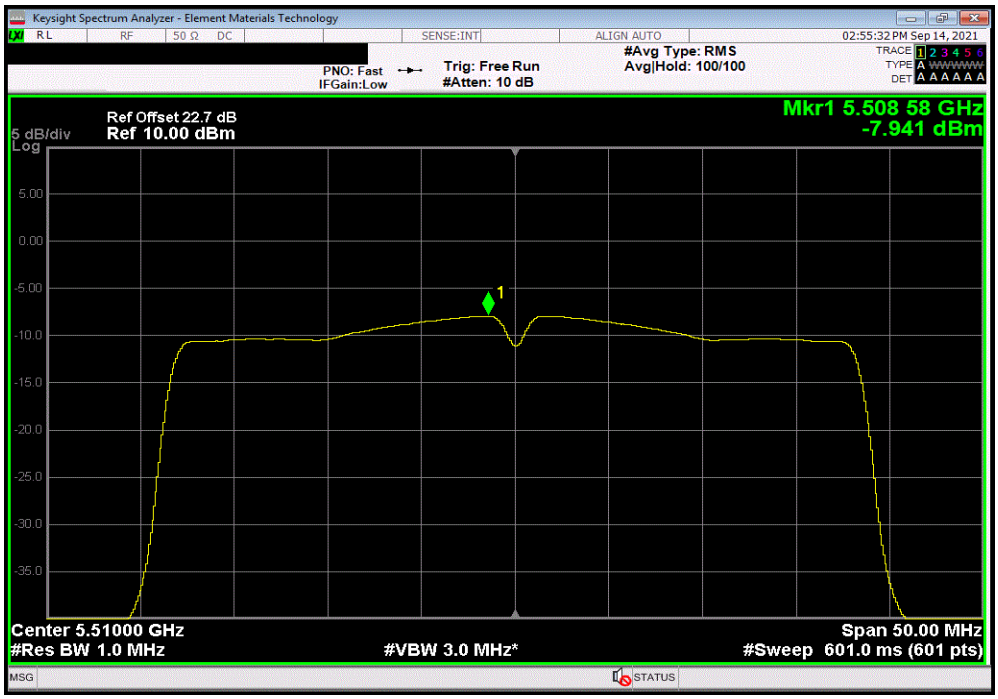


5470 - 5725 MHz Band, 802.11(n/ac) VHT20, High Channel, Ch 140 - 5700 MHz, MCS8 (256-QAM)						
	Power (dBm/Ref BW)	Duty Cycle Factor (dB)		Density (dBm/Ref BW)	Limit ≤ (dBm/Ref BW)	Results
	-4.177	0.5		-3.6	11	Pass

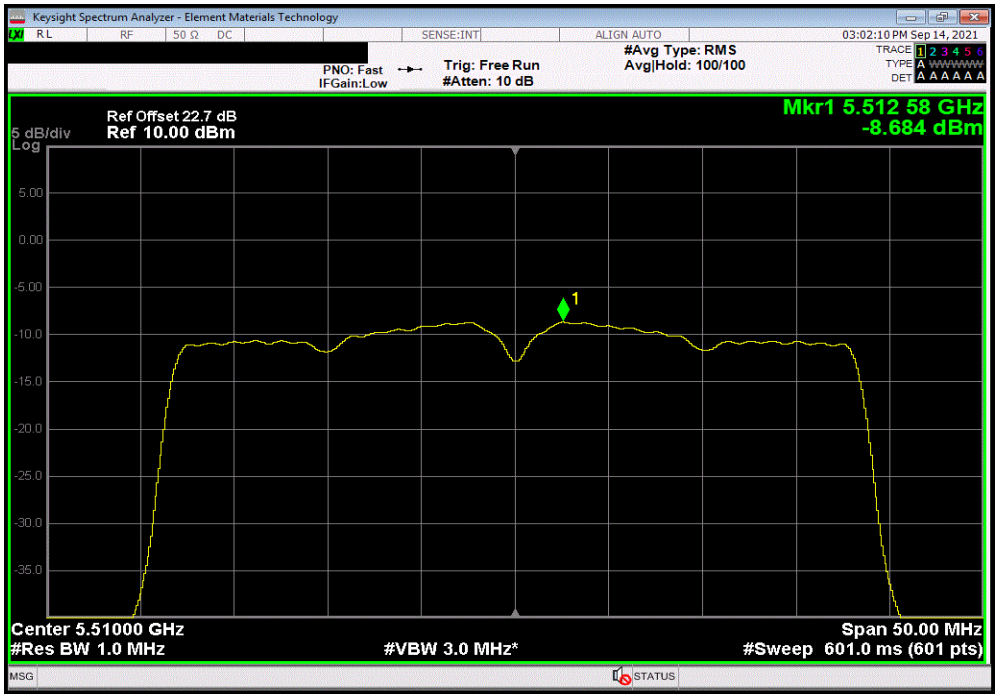


MAXIMUM POWER SPECTRAL DENSITY - 5.6 GHz BAND

5470 - 5725 MHz Band, 802.11(n/ac) VHT40, Low Channel, Ch 100/104 - 5510 MHz, MCS0						
	Power (dBm/Ref BW)	Duty Cycle Factor (dB)		Density (dBm/Ref BW)	Limit ≤ (dBm/Ref BW)	Results
	-7.941	0.1		-7.8	11	Pass

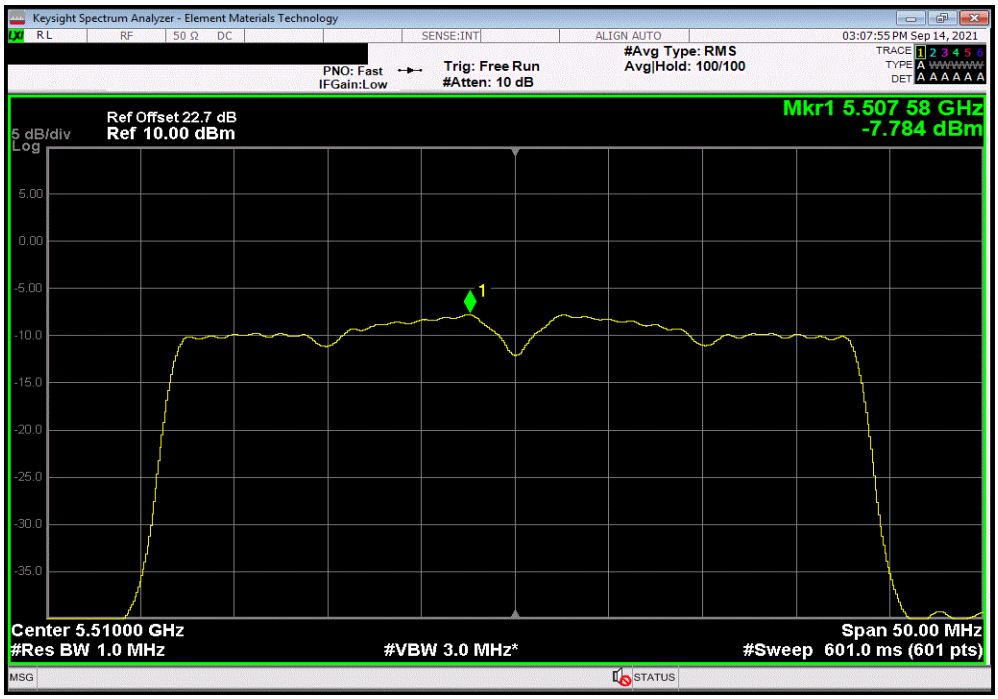


5470 - 5725 MHz Band, 802.11(n/ac) VHT40, Low Channel, Ch 100/104 - 5510 MHz, MCS7						
	Power (dBm/Ref BW)	Duty Cycle Factor (dB)		Density (dBm/Ref BW)	Limit ≤ (dBm/Ref BW)	Results
	-8.684	0.7		-8	11	Pass

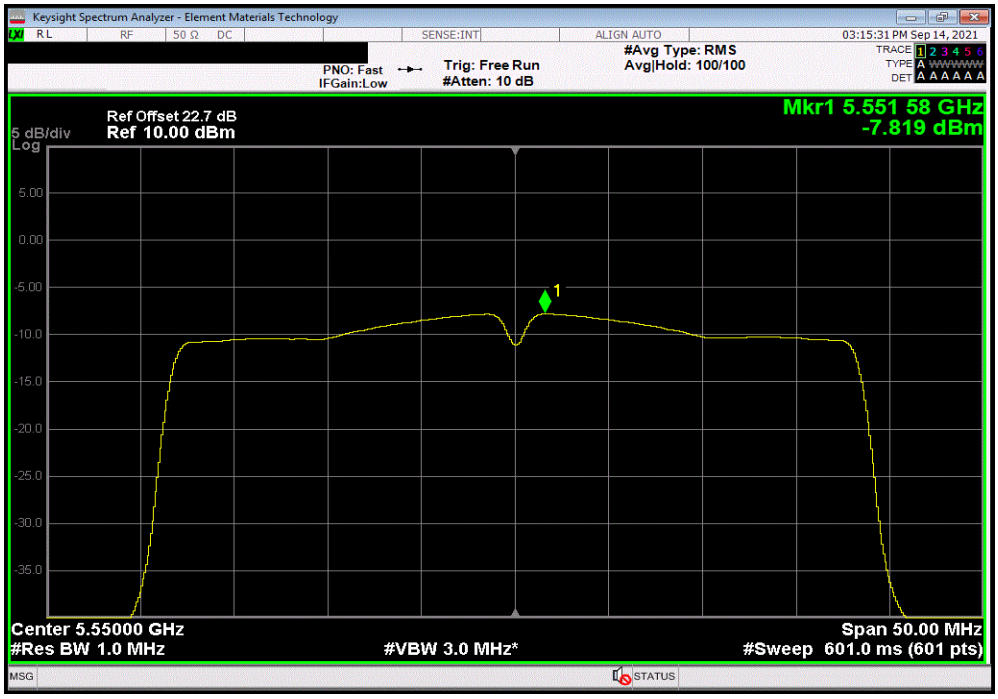


MAXIMUM POWER SPECTRAL DENSITY - 5.6 GHz BAND

5470 - 5725 MHz Band, 802.11(n/ac) VHT40, Low Channel, Ch 100/104 - 5510 MHz, MCS9 (256-QAM)						
	Power (dBm/Ref BW)	Duty Cycle Factor (dB)		Density (dBm/Ref BW)	Limit ≤ (dBm/Ref BW)	Results
	-7.784	0.8		-7	11	Pass

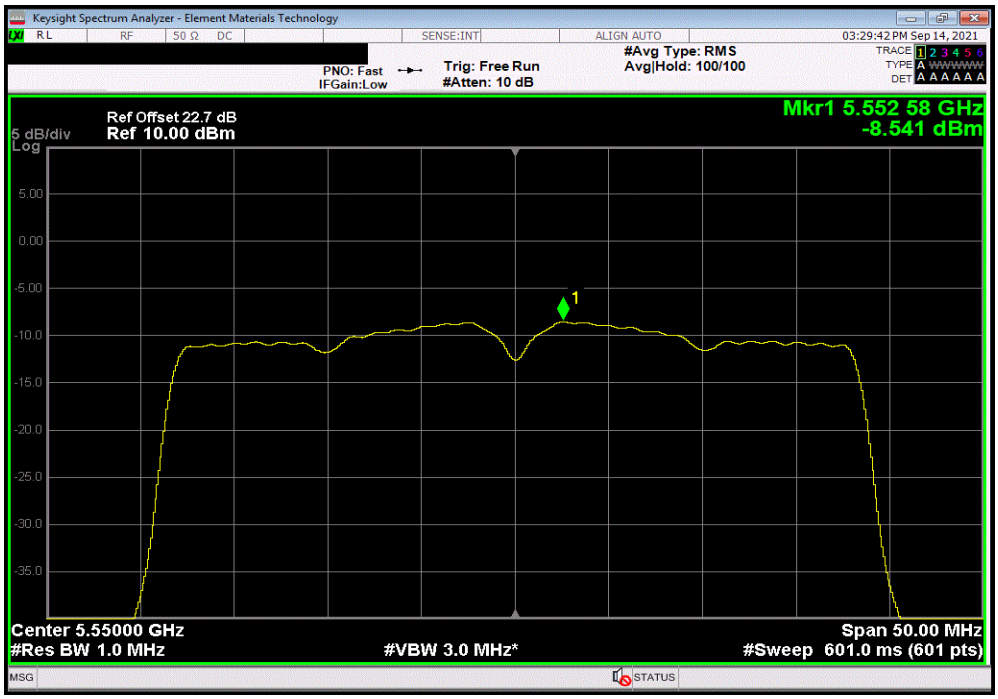


5470 - 5725 MHz Band, 802.11(n/ac) VHT40, Mid Channel, Ch 108/112 - 5550 MHz, MCS0						
	Power (dBm/Ref BW)	Duty Cycle Factor (dB)		Density (dBm/Ref BW)	Limit ≤ (dBm/Ref BW)	Results
	-7.819	0.1		-7.7	11	Pass

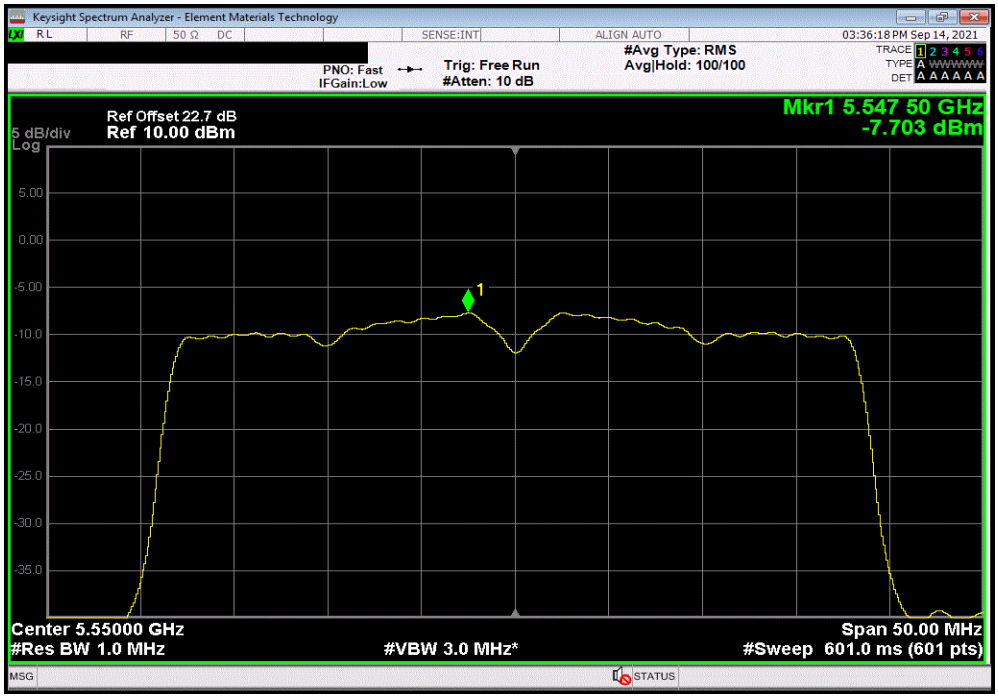


MAXIMUM POWER SPECTRAL DENSITY - 5.6 GHz BAND

5470 - 5725 MHz Band, 802.11(n/ac) VHT40, Mid Channel, Ch 108/112 - 5550 MHz, MCS7						
	Power (dBm/Ref BW)	Duty Cycle Factor (dB)		Density (dBm/Ref BW)	Limit ≤ (dBm/Ref BW)	Results
	-8.541	0.7		-7.8	11	Pass

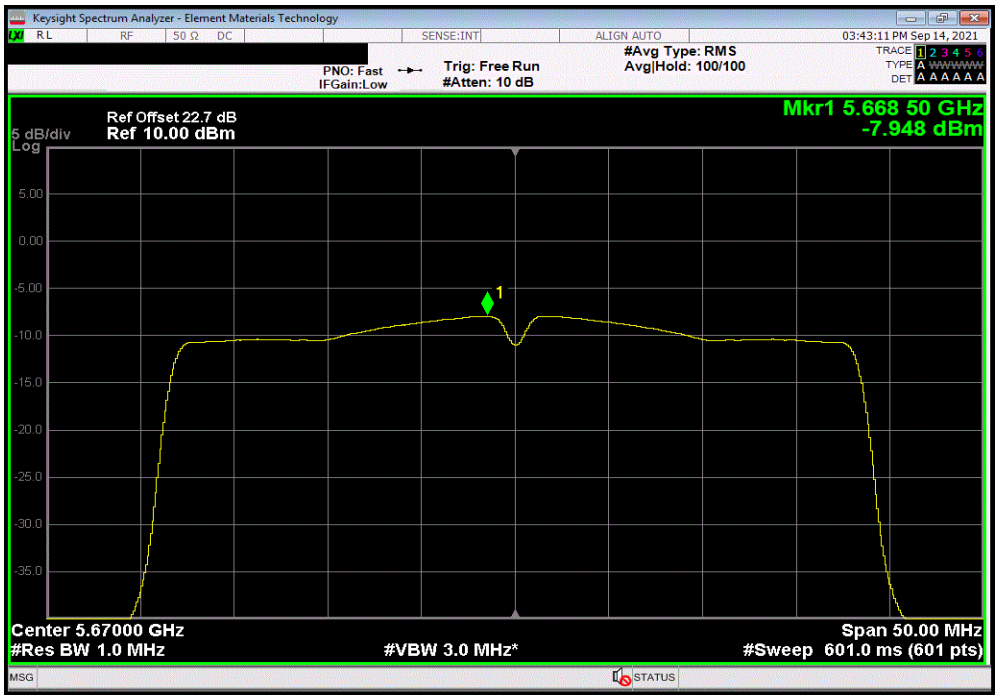


5470 - 5725 MHz Band, 802.11(n/ac) VHT40, Mid Channel, Ch 108/112 - 5550 MHz, MCS9 (256-QAM)						
	Power (dBm/Ref BW)	Duty Cycle Factor (dB)		Density (dBm/Ref BW)	Limit ≤ (dBm/Ref BW)	Results
	-7.703	0.9		-6.8	11	Pass

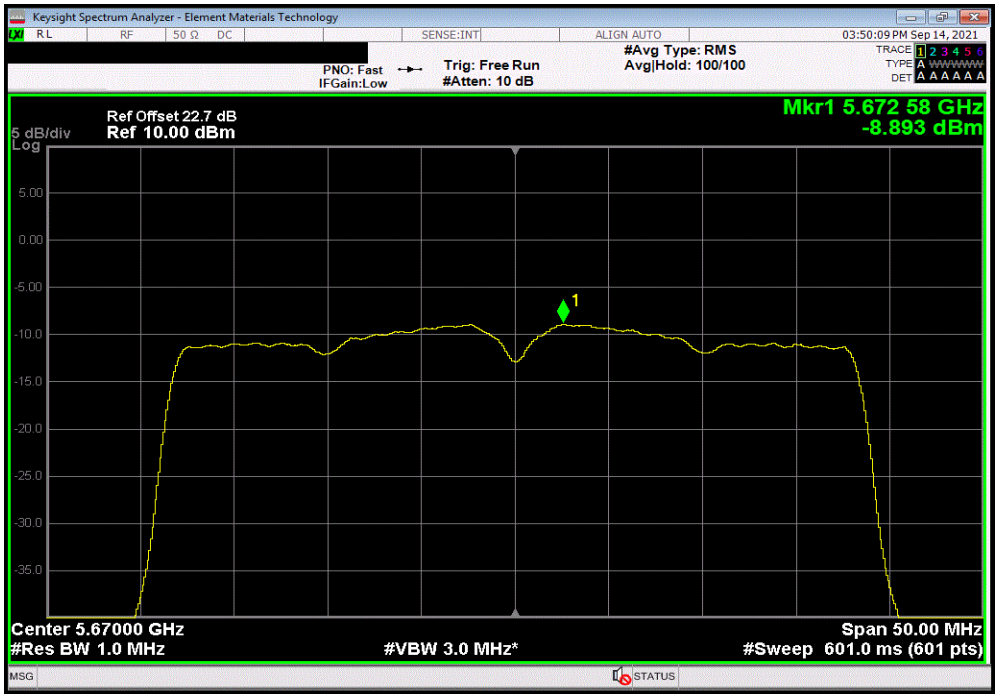


MAXIMUM POWER SPECTRAL DENSITY - 5.6 GHz BAND

5470 - 5725 MHz Band, 802.11(n/ac) VHT40, High Channel, Ch 132/136 - 5670 MHz, MCS0						
	Power (dBm/Ref BW)	Duty Cycle Factor (dB)		Density (dBm/Ref BW)	Limit ≤ (dBm/Ref BW)	Results
	-7.948	0.1		-7.8	11	Pass

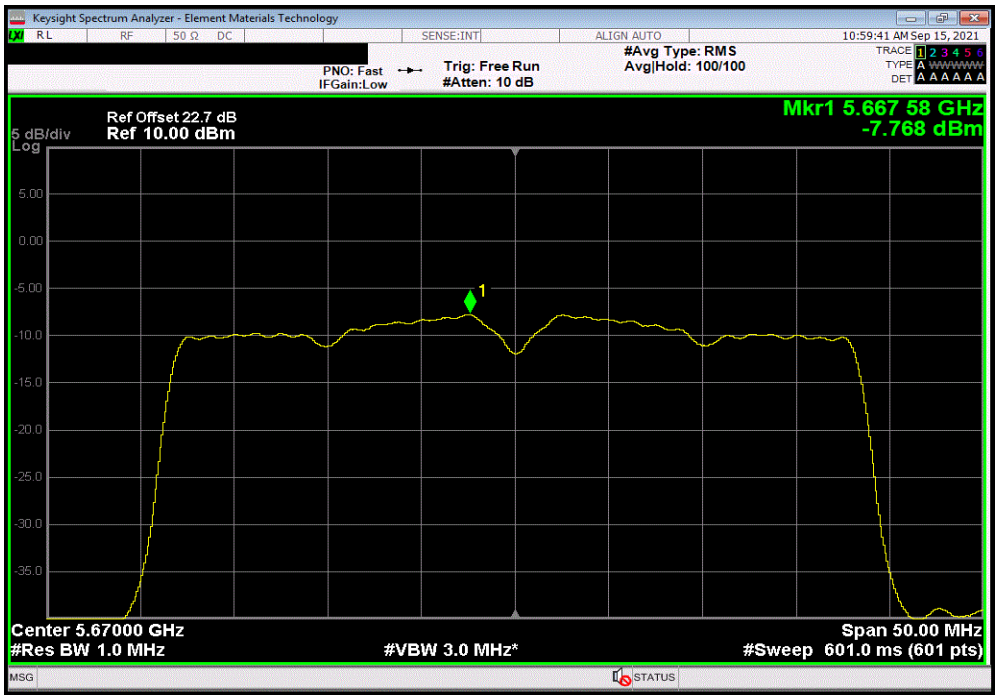


5470 - 5725 MHz Band, 802.11(n/ac) VHT40, High Channel, Ch 132/136 - 5670 MHz, MCS7						
	Power (dBm/Ref BW)	Duty Cycle Factor (dB)		Density (dBm/Ref BW)	Limit ≤ (dBm/Ref BW)	Results
	-8.893	0.7		-8.2	11	Pass

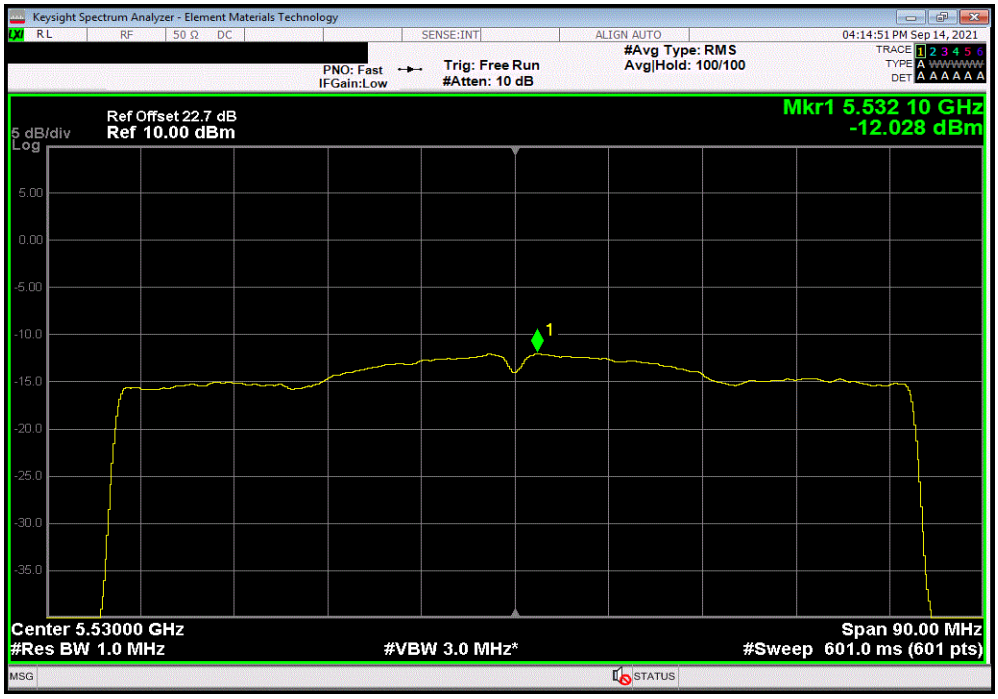


MAXIMUM POWER SPECTRAL DENSITY - 5.6 GHz BAND

5470 - 5725 MHz Band, 802.11(n/ac) VHT40, High Channel, Ch 132/136 - 5670 MHz, MCS9 (256-QAM)						
	Power (dBm/Ref BW)	Duty Cycle Factor (dB)		Density (dBm/Ref BW)	Limit ≤ (dBm/Ref BW)	Results
	-7.768	0.8		-6.9	11	Pass



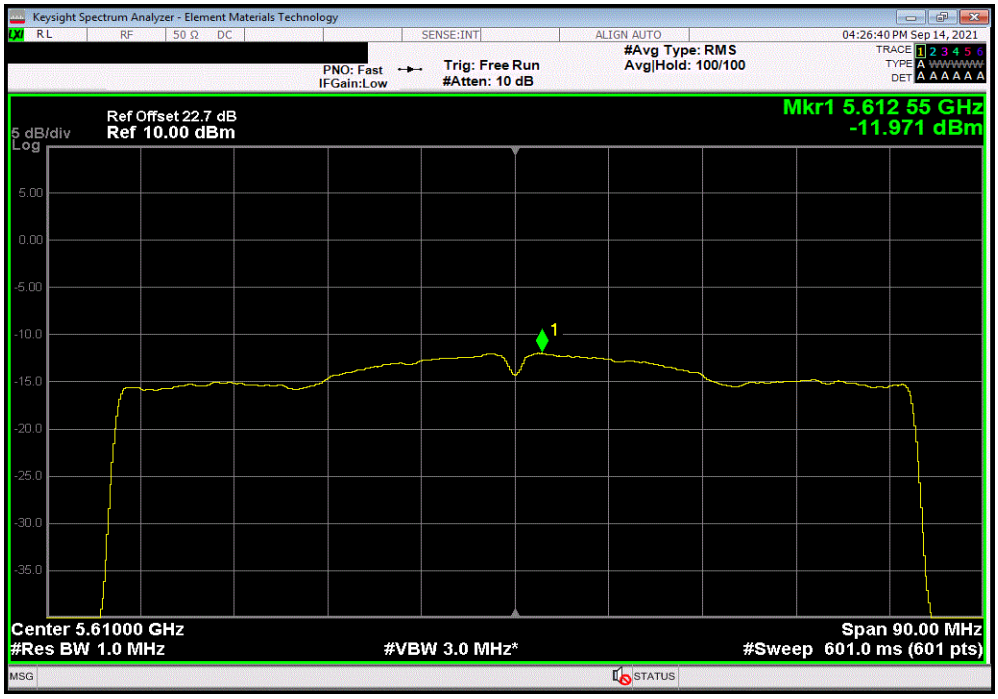
5470 - 5725 MHz Band, 802.11(n/ac) VHT80, Low Channel, Ch 100-112 - 5530 MHz, MCS0						
	Power (dBm/Ref BW)	Duty Cycle Factor (dB)		Density (dBm/Ref BW)	Limit ≤ (dBm/Ref BW)	Results
	-12.028	0.2		-11.8	11	Pass



MAXIMUM POWER SPECTRAL DENSITY - 5.6 GHz BAND

5470 - 5725 MHz Band, 802.11(n/ac) VHT80, Low Channel, Ch 100-112 - 5530 MHz, MCS9 (256-QAM)						
	Power (dBm/Ref BW)	Duty Cycle Factor (dB)		Density (dBm/Ref BW)	Limit ≤ (dBm/Ref BW)	Results
	-12.728	1.1		-11.6	11	Pass

5470 - 5725 MHz Band, 802.11(n/ac) VHT80, High Channel, Ch 116-128 - 5610 MHz, MCS0						
	Power (dBm/Ref BW)	Duty Cycle Factor (dB)		Density (dBm/Ref BW)	Limit ≤ (dBm/Ref BW)	Results
	-11.971	0.2		-11.7	11	Pass



MAXIMUM POWER SPECTRAL DENSITY - 5.6 GHz BAND

TbtTx 2021.03.19.1 XMit 2020.12.30.0

5470 - 5725 MHz Band, 802.11(n/ac) VHT80, High Channel, Ch 116-128 - 5610 MHz, MCS9 (256-QAM)						
	Power (dBm/Ref BW)	Duty Cycle Factor (dB)		Density (dBm/Ref BW)	Limit ≤ (dBm/Ref BW)	Results
	-12.722	1.1		-11.6	11	Pass