

OCCUPIED BANDWIDTH



XMIT 2017.01.26

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
Block - DC	Fairview Microwave	SD3379	AMM	2/25/2016	2/25/2017
Attenuator	Fairview Microwave	SA4018-20	TQY	2/25/2016	2/25/2017
Cable	Fairview Microwave	SCK0963-60	TXF	11/18/2016	11/18/2017
Analyzer - Spectrum Analyzer	Keysight	N9010A	AFM	3/15/2016	3/15/2017
Generator - Signal	Agilent	E4422B	TGS	3/27/2015	3/27/2018

TEST DESCRIPTION

The measurement was made using a direct connection between the RF output of the EUT and a spectrum analyzer. The EUT was set to the channels and modes listed in the datasheet.

The 6dB occupied bandwidth was measured using 100 kHz resolution bandwidth and 300 kHz video bandwidth. The 99.0% occupied bandwidth was also measured at the same time which can be needed during Output Power depending on the applicable method.

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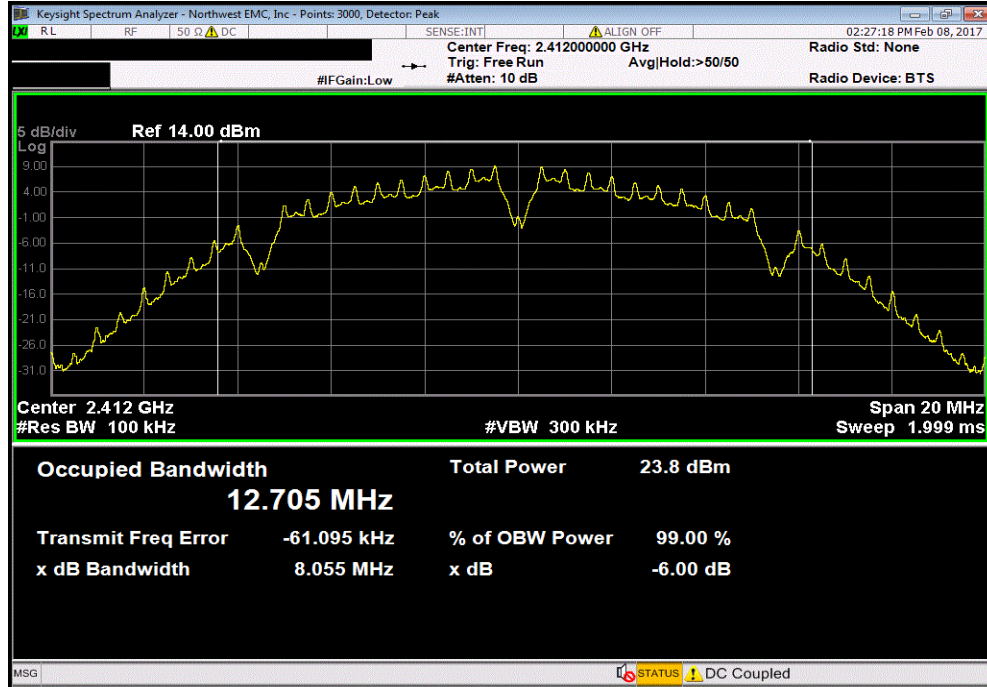
EUT: RTH9580WF01		Work Order: HNYW0203		
Serial Number: 0027301		Date: 02/08/17		
Customer: Honeywell, Automation and Control Solutions		Temperature: 22.9 °C		
Attendees: Job Villafuerte		Humidity: 34% RH		
Project: None		Barometric Pres.: 1019 mbar		
Tested by: Jonathan Kiefer		Power: 110VAC/60Hz		
TEST SPECIFICATIONS		Job Site: TX09		
FCC 15.247:2017		Test Method		
		ANSI C63.10:2013		
COMMENTS				
None				
DEVIATIONS FROM TEST STANDARD				
None				
Configuration #	1	Signature <i>Jonathan Kiefer</i>		
		Value	Limit (>)	Result
Antenna A0				
2400 MHz - 2483.5 MHz Band				
802.11(b) 1 Mbps				
Low Channel 1, 2412 MHz		8.055 MHz	500 kHz	Pass
Mid Channel 6, 2437 MHz		7.573 MHz	500 kHz	Pass
High Channel 11, 2462 MHz		8.046 MHz	500 kHz	Pass
802.11(b) 11 Mbps				
Low Channel 1, 2412 MHz		7.367 MHz	500 kHz	Pass
Mid Channel 6, 2437 MHz		7.69 MHz	500 kHz	Pass
High Channel 11, 2462 MHz		7.699 MHz	500 kHz	Pass
802.11(g) 6 Mbps				
Low Channel 1, 2412 MHz		15.119 MHz	500 kHz	Pass
Mid Channel 6, 2437 MHz		15.122 MHz	500 kHz	Pass
High Channel 11, 2462 MHz		15.116 MHz	500 kHz	Pass
802.11(g) 36 Mbps				
Low Channel 1, 2412 MHz		15.988 MHz	500 kHz	Pass
Mid Channel 6, 2437 MHz		15.984 MHz	500 kHz	Pass
High Channel 11, 2462 MHz		15.997 MHz	500 kHz	Pass
802.11(g) 54 Mbps				
Low Channel 1, 2412 MHz		16.3 MHz	500 kHz	Pass
Mid Channel 6, 2437 MHz		15.764 MHz	500 kHz	Pass
High Channel 11, 2462 MHz		15.985 MHz	500 kHz	Pass
802.11(n) MCS0				
Low Channel 1, 2412 MHz		15.12 MHz	500 kHz	Pass
Mid Channel 6, 2437 MHz		15.949 MHz	500 kHz	Pass
High Channel 11, 2462 MHz		15.117 MHz	500 kHz	Pass
802.11(n) MCS7				
Low Channel 1, 2412 MHz		16.353 MHz	500 kHz	Pass
Mid Channel 6, 2437 MHz		16.363 MHz	500 kHz	Pass
High Channel 11, 2462 MHz		17.275 MHz	500 kHz	Pass
Antenna A1				
2400 MHz - 2483.5 MHz Band				
802.11(b) 1 Mbps				
Low Channel 1, 2412 MHz		8.055 MHz	500 kHz	Pass
Mid Channel 6, 2437 MHz		8.072 MHz	500 kHz	Pass
High Channel 11, 2462 MHz		8.06 MHz	500 kHz	Pass
802.11(b) 11 Mbps				
Low Channel 1, 2412 MHz		7.855 MHz	500 kHz	Pass
Mid Channel 6, 2437 MHz		7.594 MHz	500 kHz	Pass
High Channel 11, 2462 MHz		7.361 MHz	500 kHz	Pass
802.11(g) 6 Mbps				
Low Channel 1, 2412 MHz		15.116 MHz	500 kHz	Pass
Mid Channel 6, 2437 MHz		15.121 MHz	500 kHz	Pass
High Channel 11, 2462 MHz		15.112 MHz	500 kHz	Pass
802.11(g) 36 Mbps				
Low Channel 1, 2412 MHz		15.703 MHz	500 kHz	Pass
Mid Channel 6, 2437 MHz		15.709 MHz	500 kHz	Pass
High Channel 11, 2462 MHz		15.949 MHz	500 kHz	Pass
802.11(g) 54 Mbps				
Low Channel 1, 2412 MHz		16.009 MHz	500 kHz	Pass
Mid Channel 6, 2437 MHz		15.757 MHz	500 kHz	Pass
High Channel 11, 2462 MHz		15.993 MHz	500 kHz	Pass
802.11(n) MCS0				
Low Channel 1, 2412 MHz		15.119 MHz	500 kHz	Pass
Mid Channel 6, 2437 MHz		15.121 MHz	500 kHz	Pass
High Channel 11, 2462 MHz		15.119 MHz	500 kHz	Pass
802.11(n) MCS7				
Low Channel 1, 2412 MHz		16.611 MHz	500 kHz	Pass
Mid Channel 6, 2437 MHz		16.577 MHz	500 kHz	Pass
High Channel 11, 2462 MHz		16.36 MHz	500 kHz	Pass

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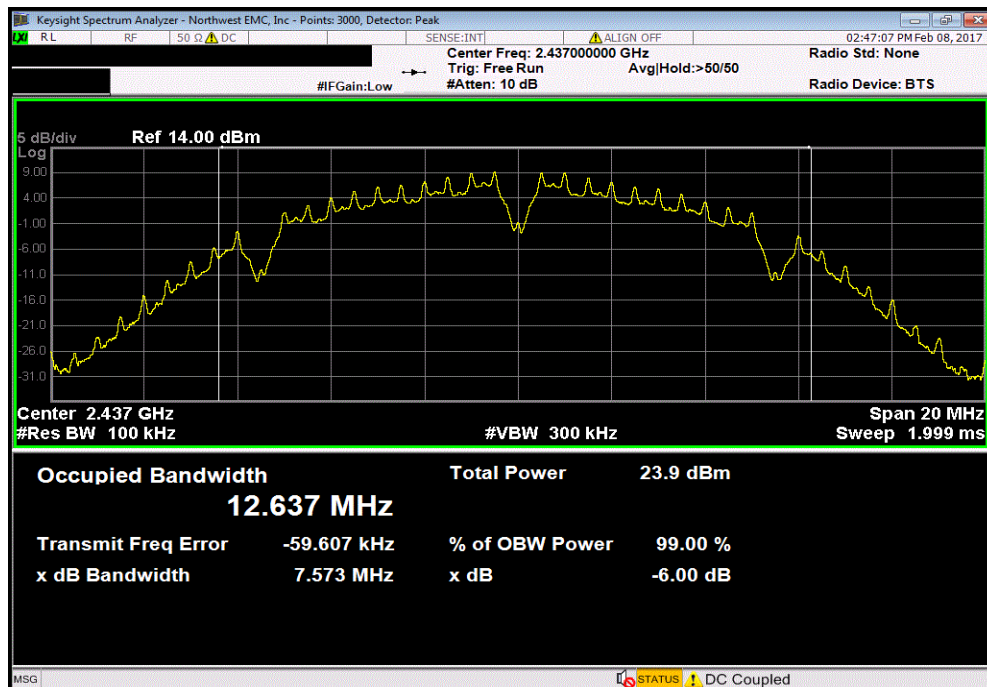


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Antenna A0, 2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, Low Channel 1, 2412 MHz						
				Value	Limit	Result
				8.055 MHz	(>) 500 kHz	Pass



Antenna A0, 2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, Mid Channel 6, 2437 MHz						
				Value	Limit	Result
				7.573 MHz	(>) 500 kHz	Pass

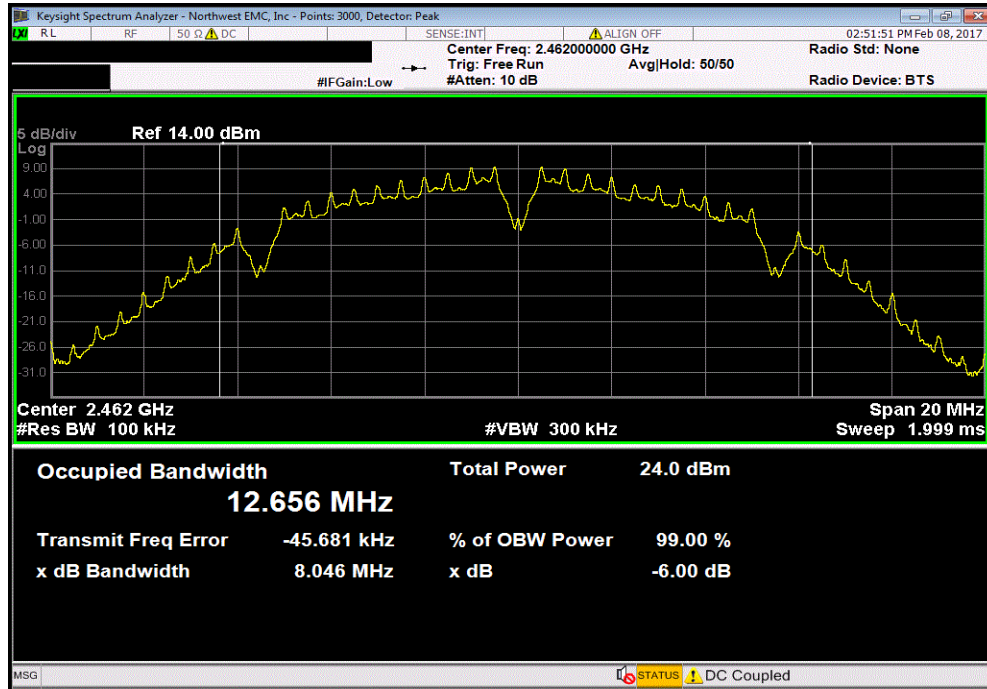


OCCUPIED BANDWIDTH

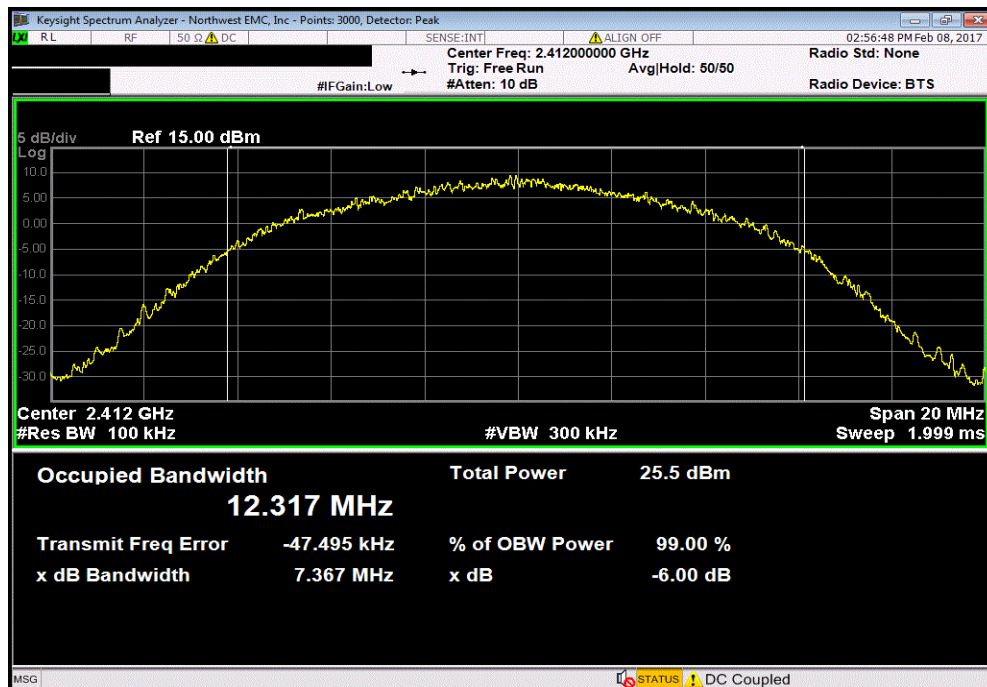


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Antenna A0, 2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, High Channel 11, 2462 MHz						
				Limit		
				Value	(>)	Result
				8.046 MHz	500 kHz	Pass



Antenna A0, 2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, Low Channel 1, 2412 MHz						
				Limit		
				Value	(>)	Result
				7.367 MHz	500 kHz	Pass

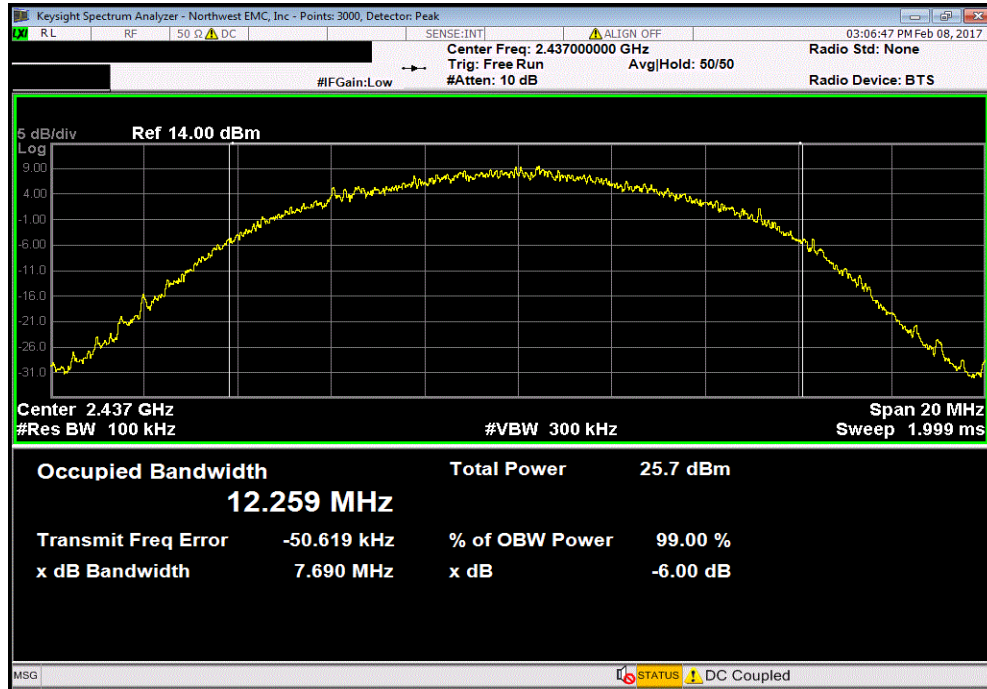


OCCUPIED BANDWIDTH

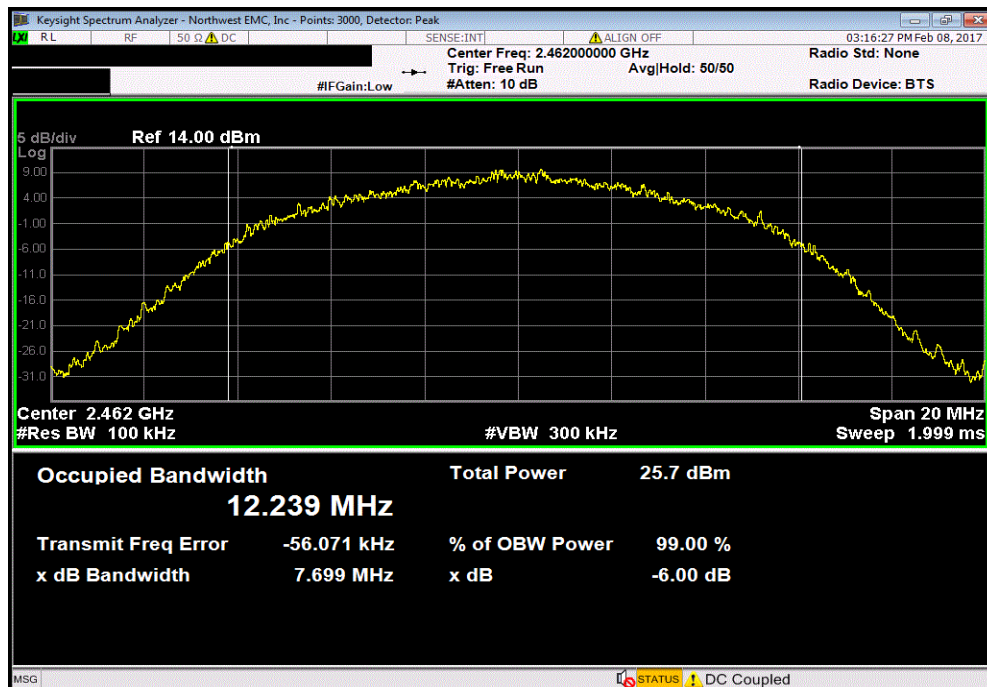


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Antenna A0, 2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, Mid Channel 6, 2437 MHz						
				Value	Limit	Result
				7.69 MHz	(>) 500 kHz	Pass



Antenna A0, 2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, High Channel 11, 2462 MHz						
				Value	Limit	Result
				7.699 MHz	(>) 500 kHz	Pass

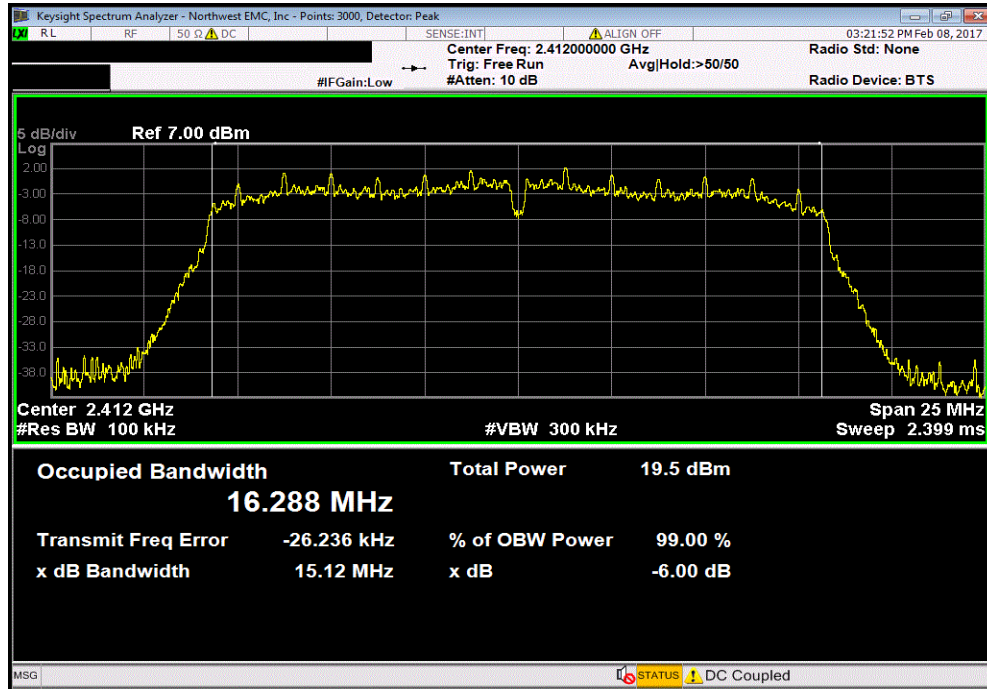


OCCUPIED BANDWIDTH

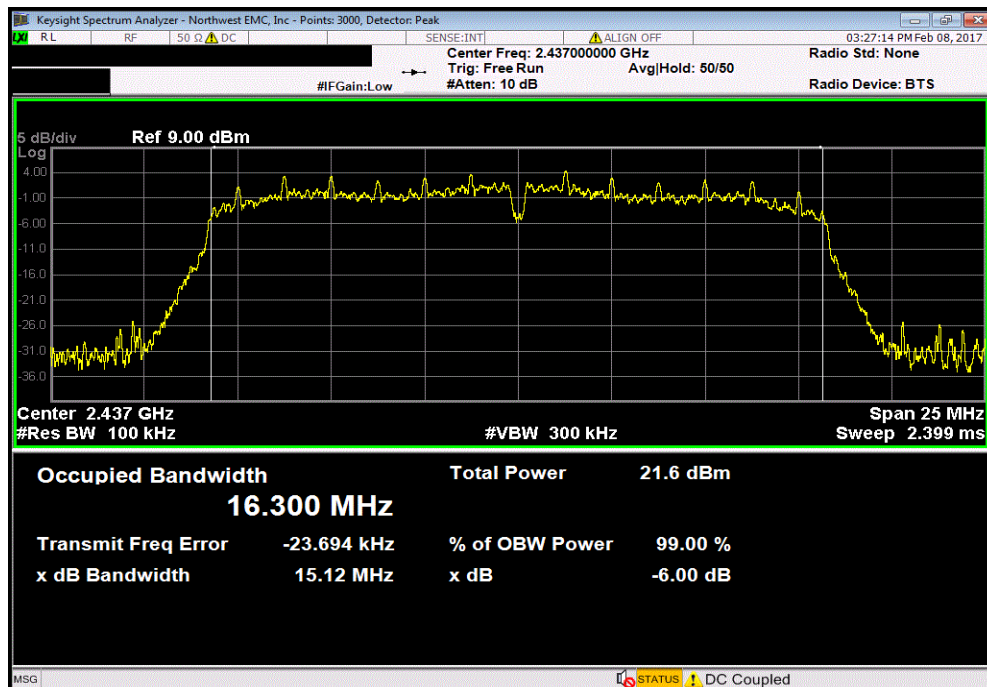


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Antenna A0, 2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, Low Channel 1, 2412 MHz						
				Value	Limit (>)	Result
				15.119 MHz	500 kHz	Pass



Antenna A0, 2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, Mid Channel 6, 2437 MHz						
				Value	Limit (>)	Result
				15.122 MHz	500 kHz	Pass

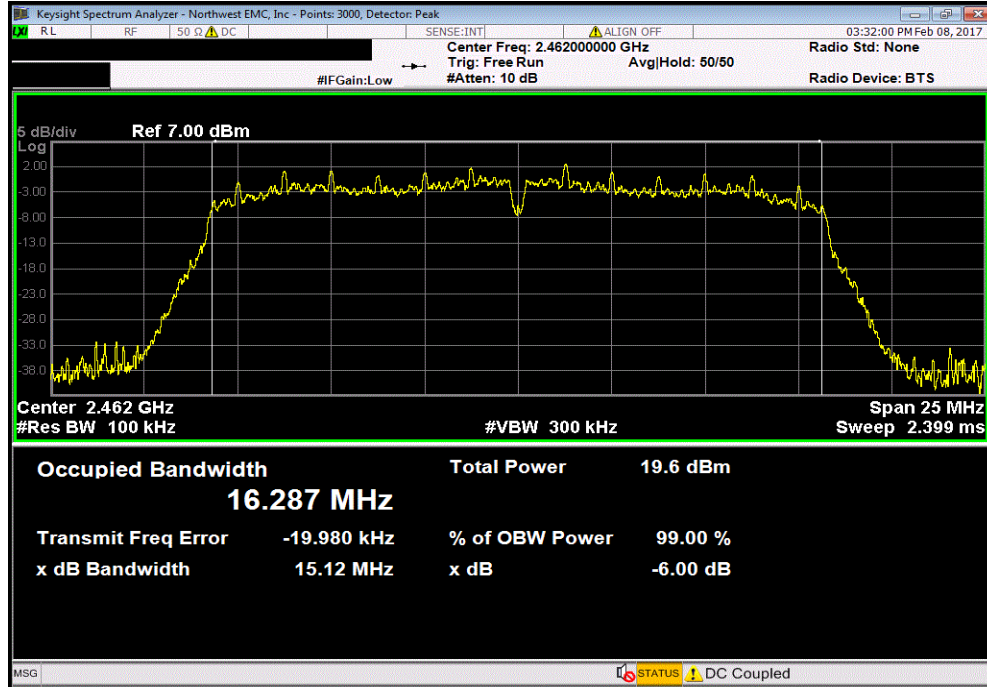


OCCUPIED BANDWIDTH

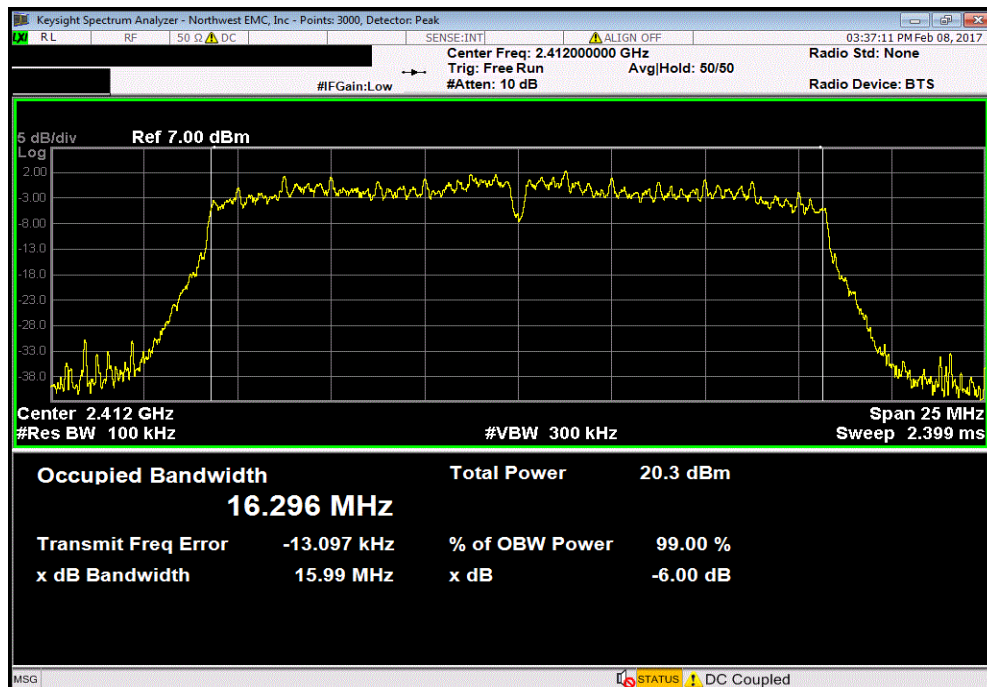


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Antenna A0, 2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, High Channel 11, 2462 MHz						
				Value	Limit	Result
				15.116 MHz	(> 500 kHz)	Pass



Antenna A0, 2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, Low Channel 1, 2412 MHz						
				Value	Limit	Result
				15.988 MHz	(> 500 kHz)	Pass

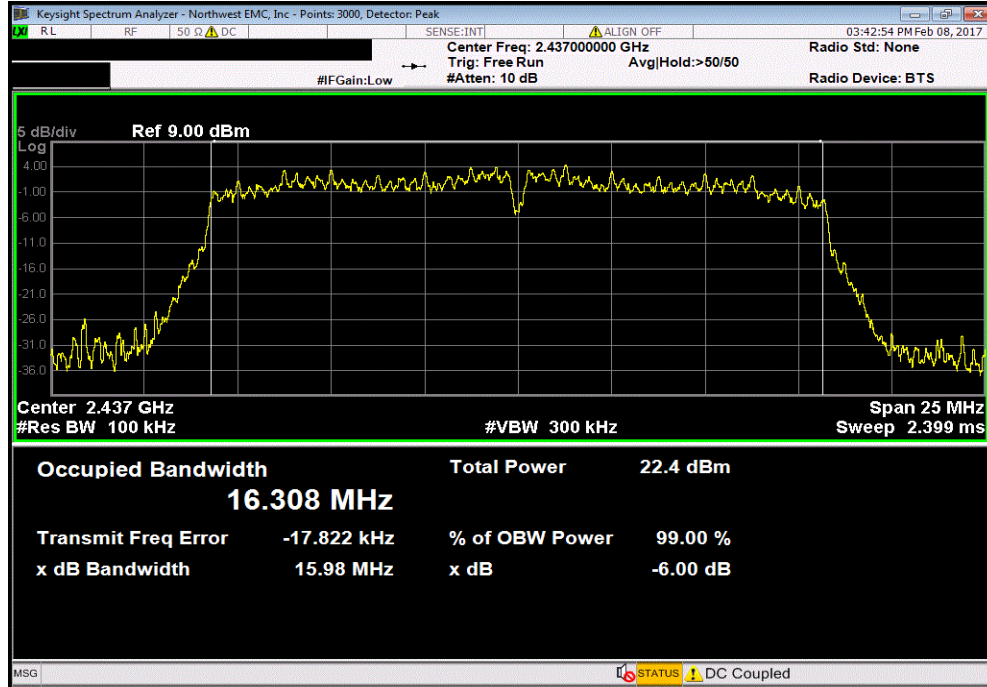


OCCUPIED BANDWIDTH

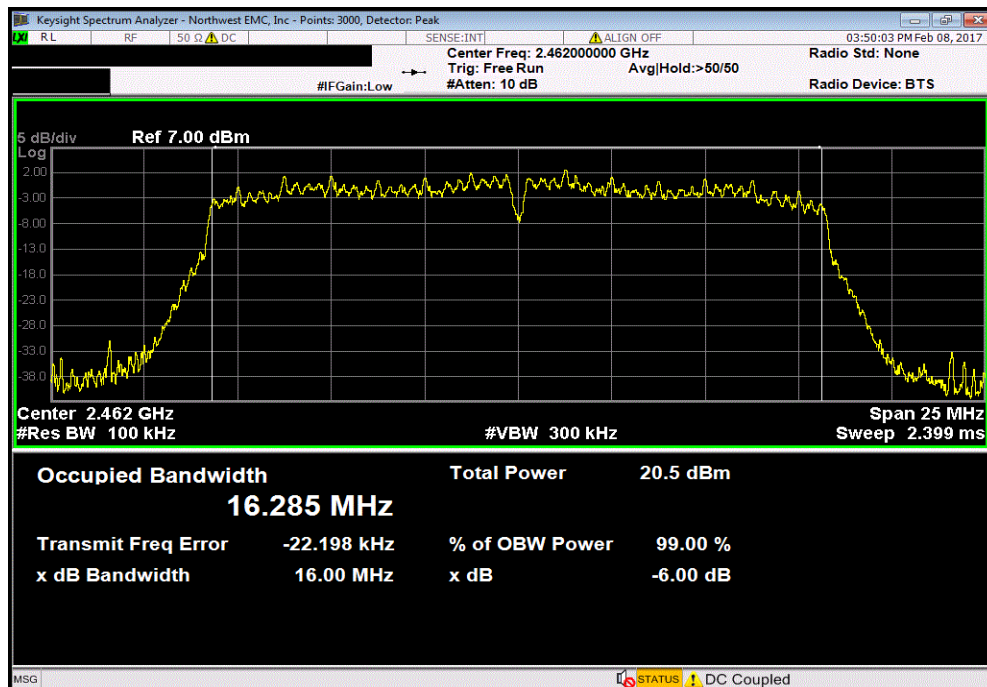


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Antenna A0, 2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, Mid Channel 6, 2437 MHz						
				Value	Limit	Result
				15.984 MHz	(>) 500 kHz	Pass



Antenna A0, 2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, High Channel 11, 2462 MHz						
				Value	Limit	Result
				15.997 MHz	(>) 500 kHz	Pass

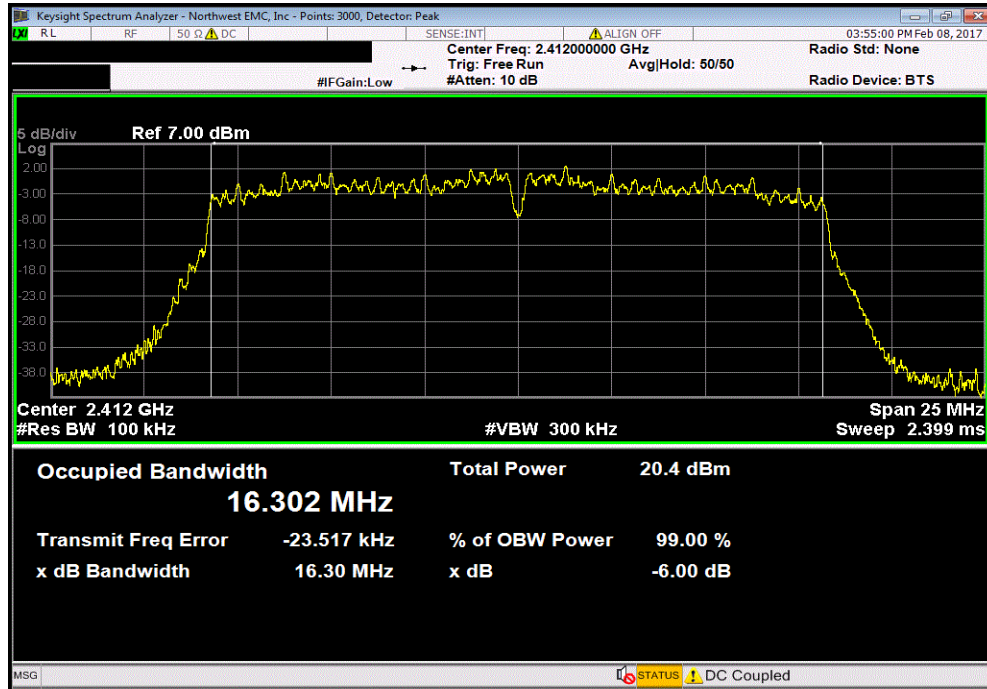


OCCUPIED BANDWIDTH

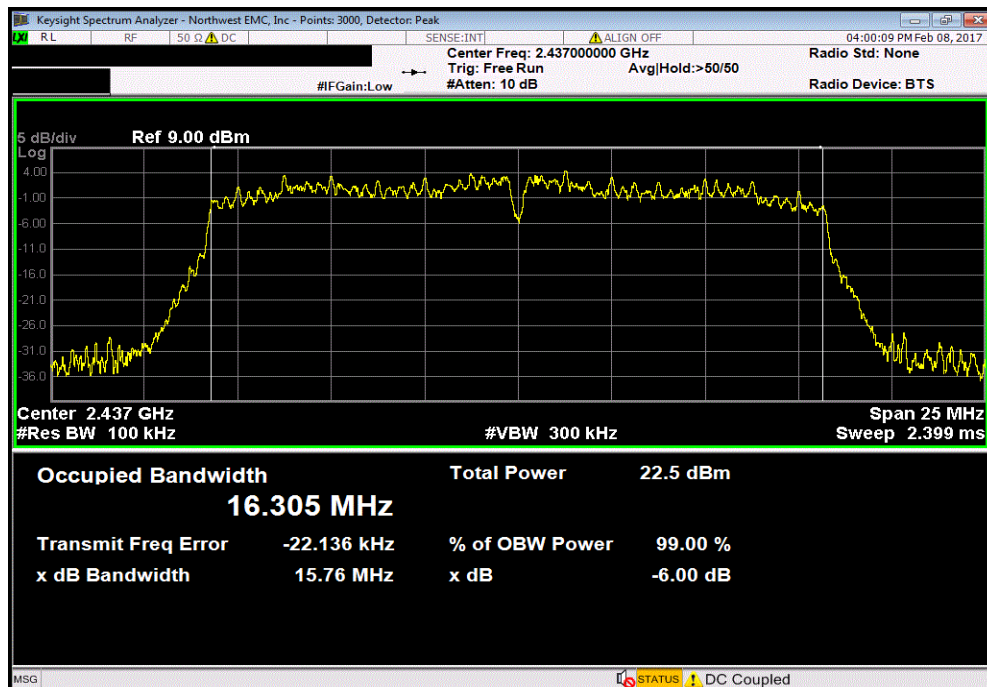


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Antenna A0, 2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, Low Channel 1, 2412 MHz						
				Value	Limit (>)	Result
				16.3 MHz	500 kHz	Pass



Antenna A0, 2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, Mid Channel 6, 2437 MHz						
				Value	Limit (>)	Result
				15.764 MHz	500 kHz	Pass



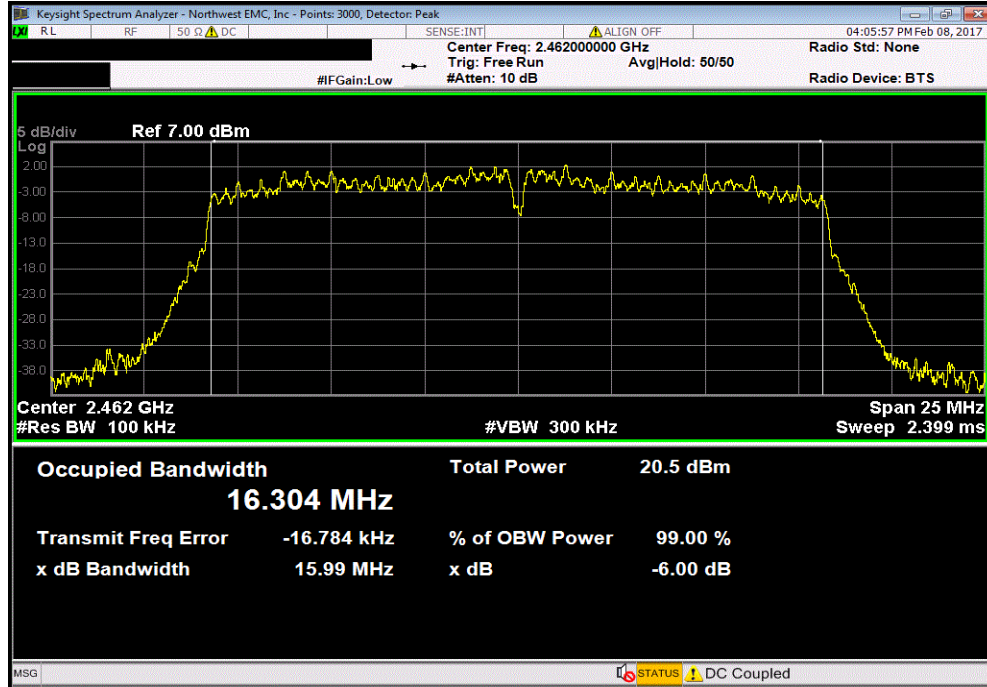
OCCUPIED BANDWIDTH



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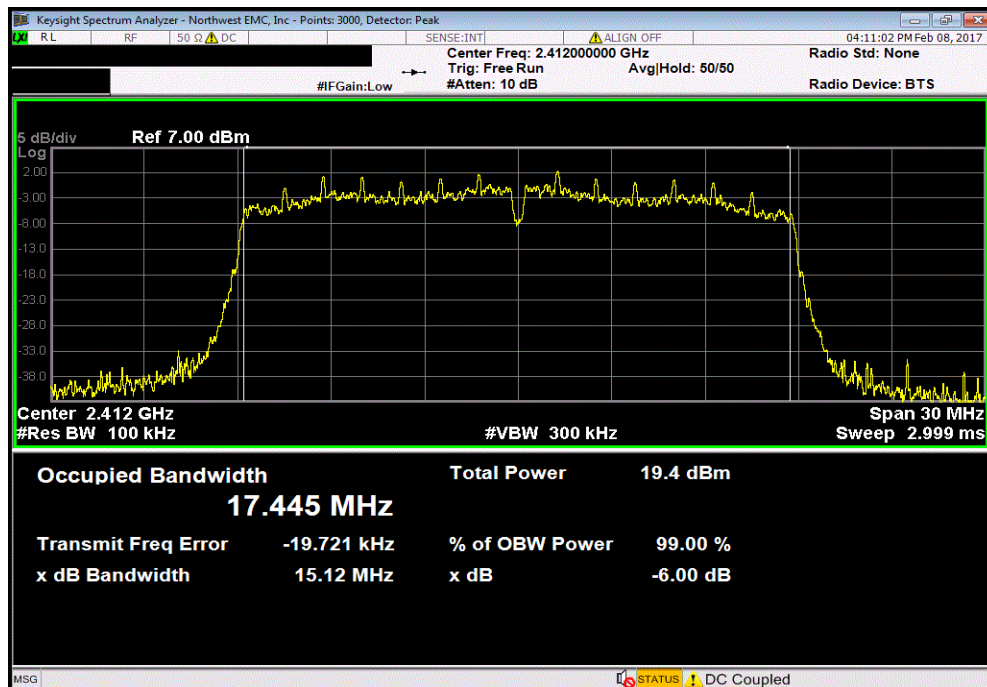
Antenna A0, 2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, High Channel 11, 2462 MHz

	Value	Limit	Result
	15.985 MHz	(>) 500 kHz	Pass



Antenna A0, 2400 MHz - 2483.5 MHz Band, 802.11(n) MCS0, Low Channel 1, 2412 MHz

	Value	Limit	Result
	15.12 MHz	(>) 500 kHz	Pass



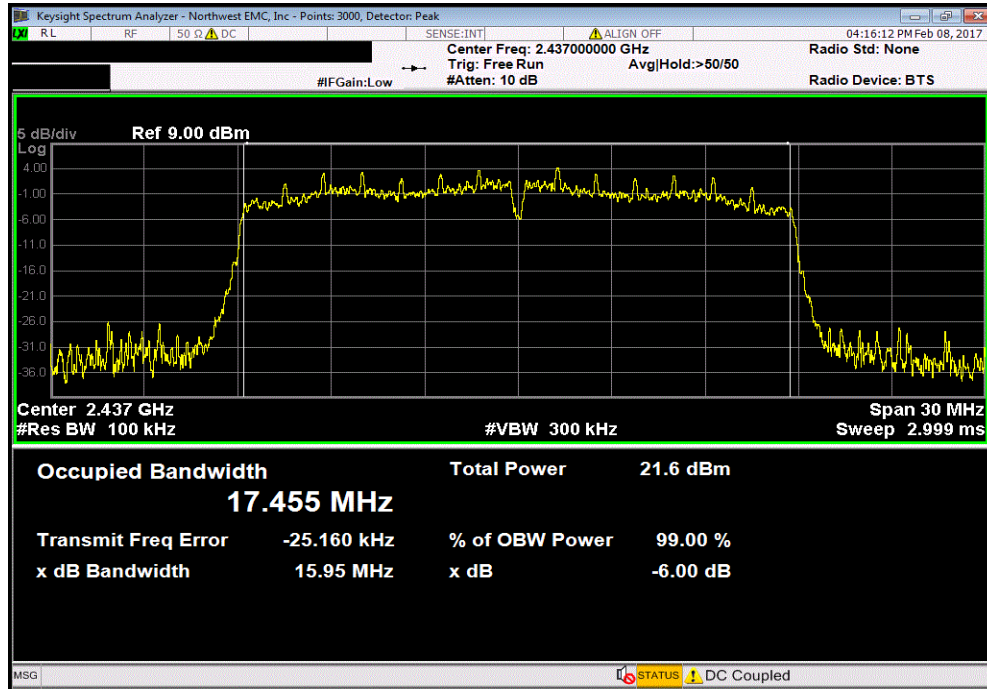
OCCUPIED BANDWIDTH



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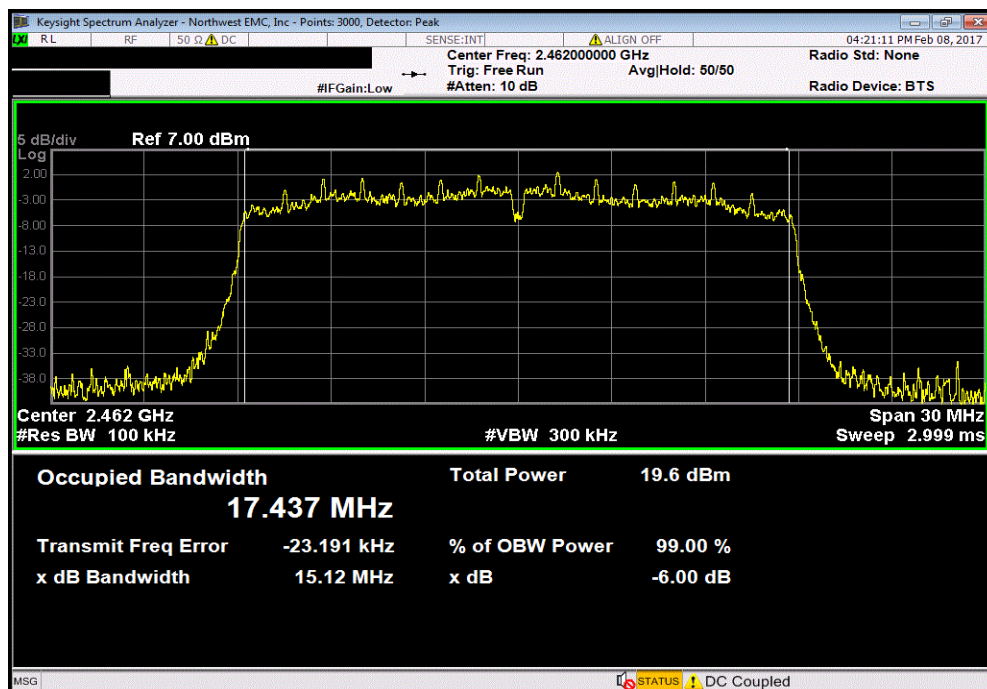
Antenna A0, 2400 MHz - 2483.5 MHz Band, 802.11(n) MCS0, Mid Channel 6, 2437 MHz

	Value	Limit	Result
	15.949 MHz	(> 500 kHz)	Pass



Antenna A0, 2400 MHz - 2483.5 MHz Band, 802.11(n) MCS0, High Channel 11, 2462 MHz

	Value	Limit	Result
	15.117 MHz	(> 500 kHz)	Pass



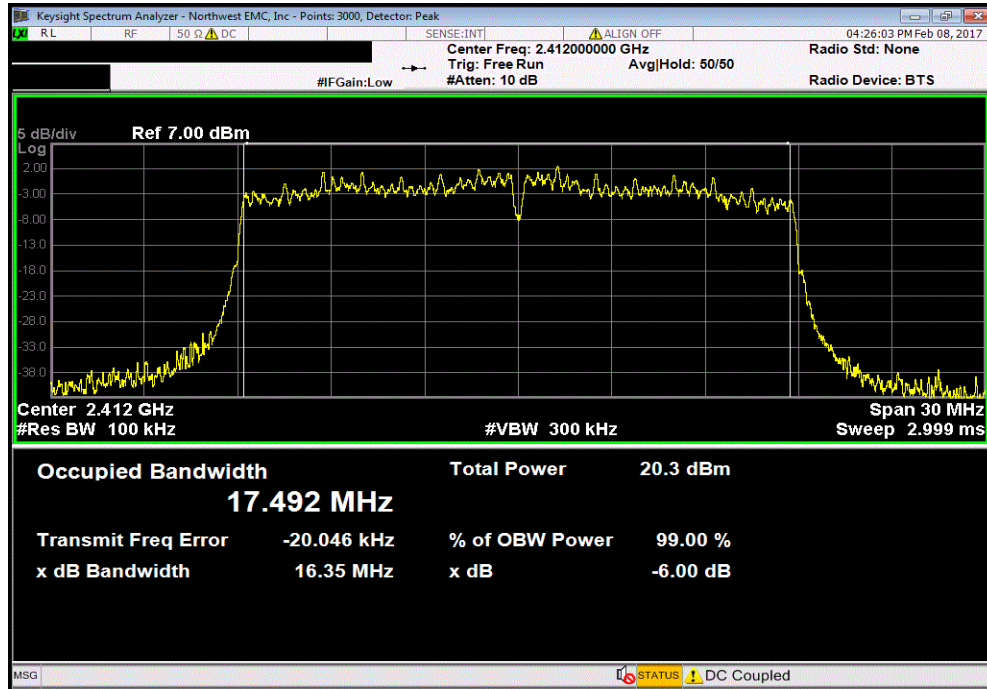
OCCUPIED BANDWIDTH



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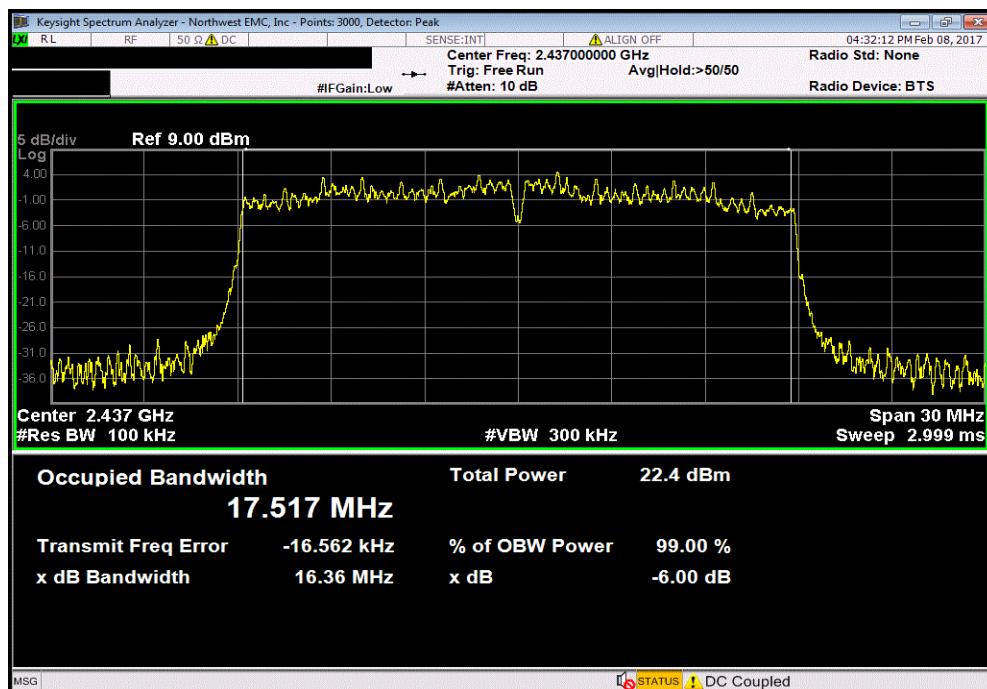
Antenna A0, 2400 MHz - 2483.5 MHz Band, 802.11(n) MCS7, Low Channel 1, 2412 MHz

	Value	Limit	Result
	16.353 MHz	(>) 500 kHz	Pass



Antenna A0, 2400 MHz - 2483.5 MHz Band, 802.11(n) MCS7, Mid Channel 6, 2437 MHz

	Value	Limit	Result
	16.363 MHz	(>) 500 kHz	Pass



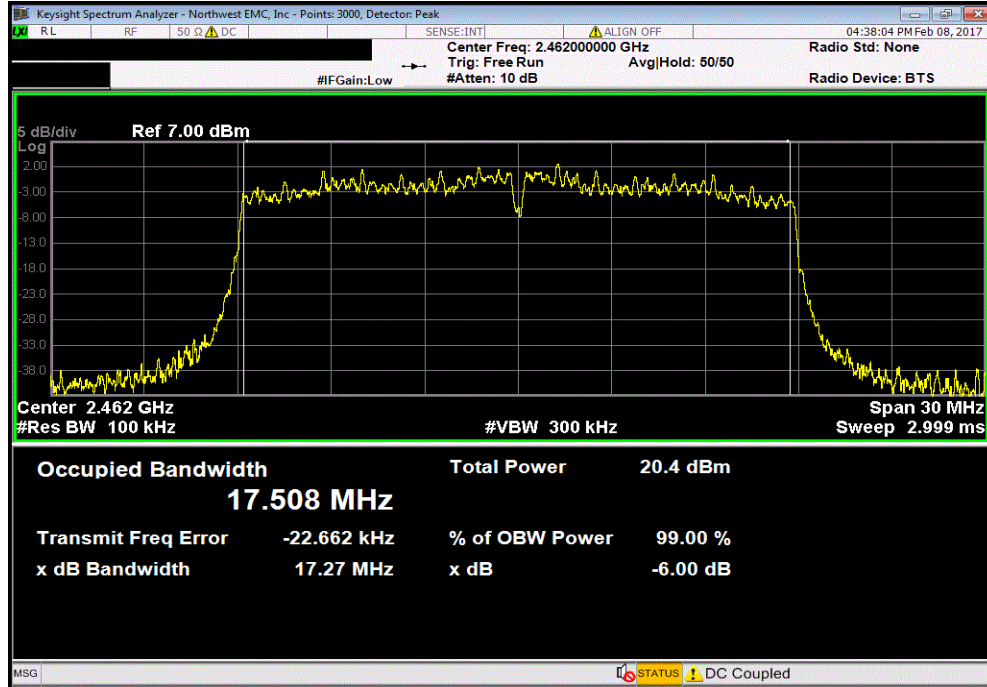
OCCUPIED BANDWIDTH



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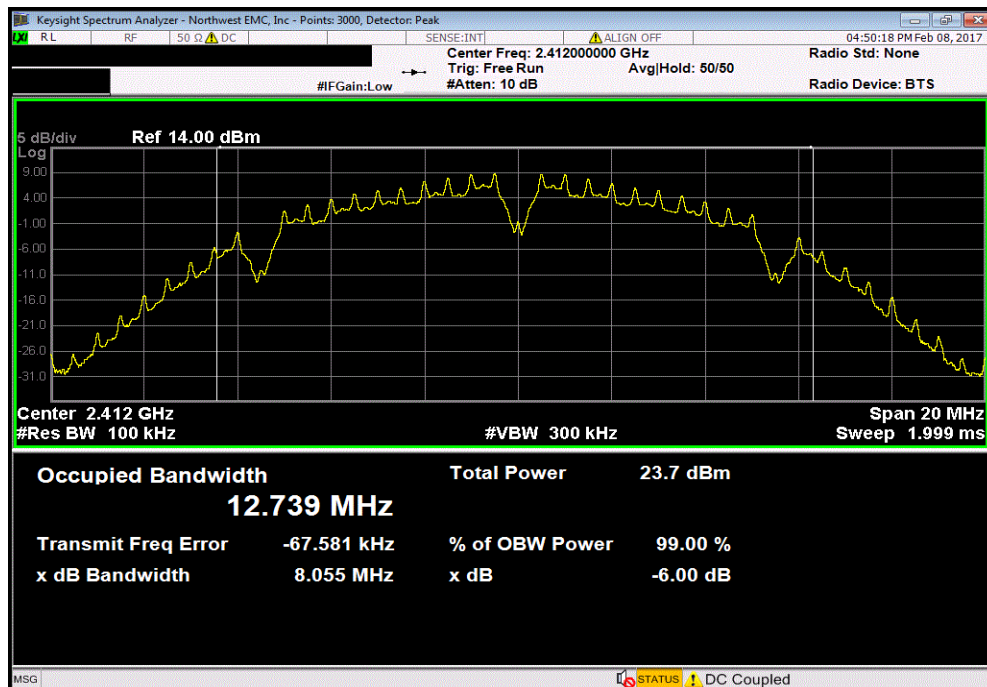
Antenna A0, 2400 MHz - 2483.5 MHz Band, 802.11(n) MCS7, High Channel 11, 2462 MHz

	Value	Limit	Result
	17.275 MHz	(>) 500 kHz	Pass



Antenna A1, 2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, Low Channel 1, 2412 MHz

	Value	Limit	Result
	8.055 MHz	(>) 500 kHz	Pass



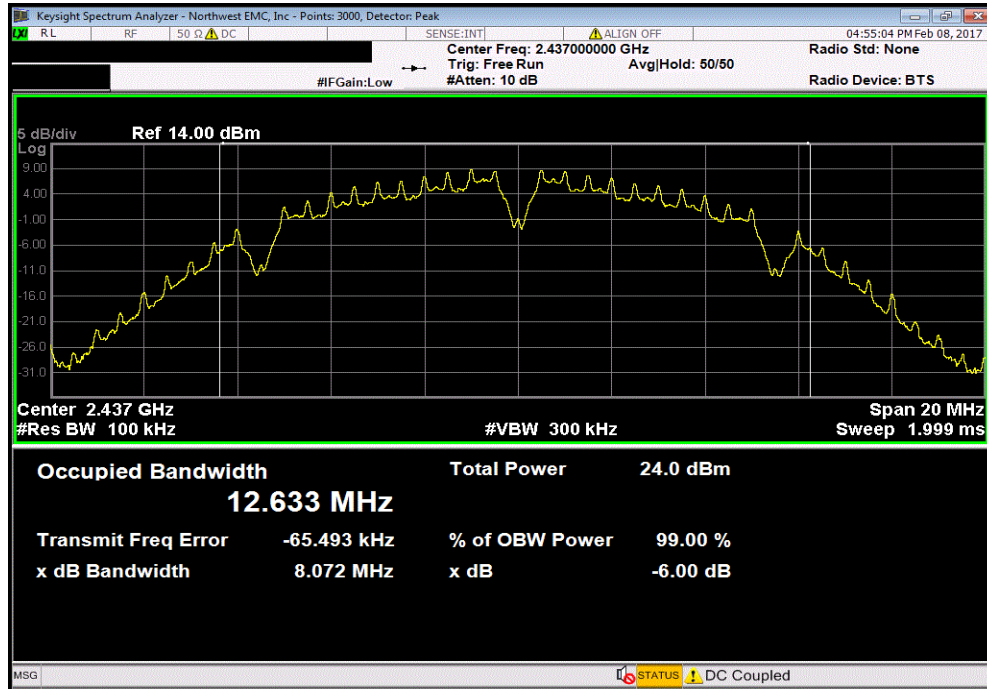
OCCUPIED BANDWIDTH



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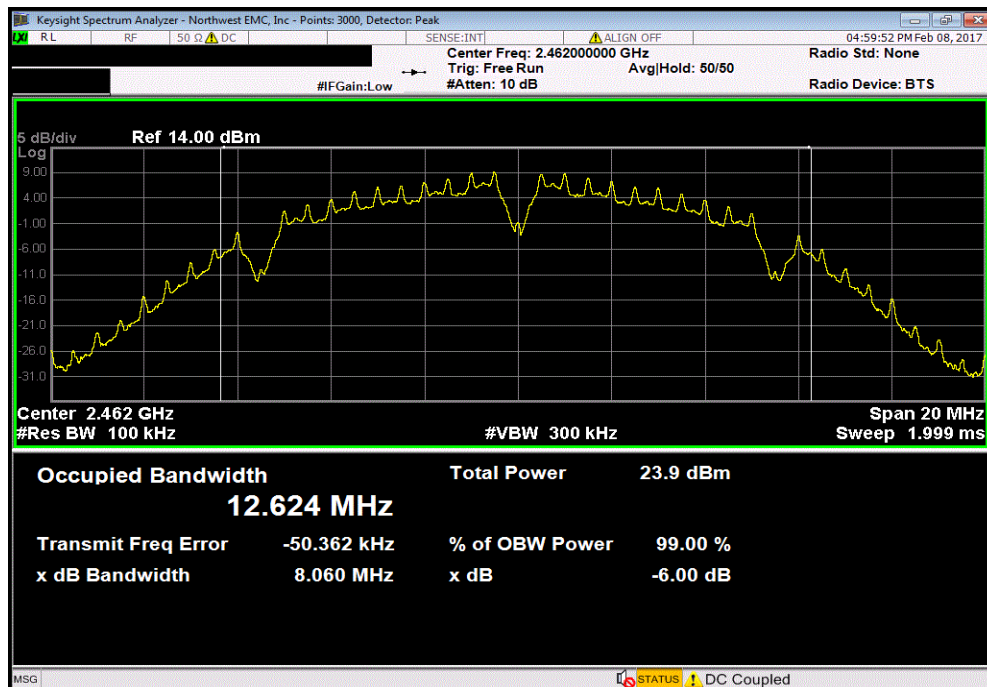
Antenna A1, 2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, Mid Channel 6, 2437 MHz

	Value	Limit	Result
	8.072 MHz	(>) 500 kHz	Pass



Antenna A1, 2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, High Channel 11, 2462 MHz

	Value	Limit	Result
	8.06 MHz	(>) 500 kHz	Pass

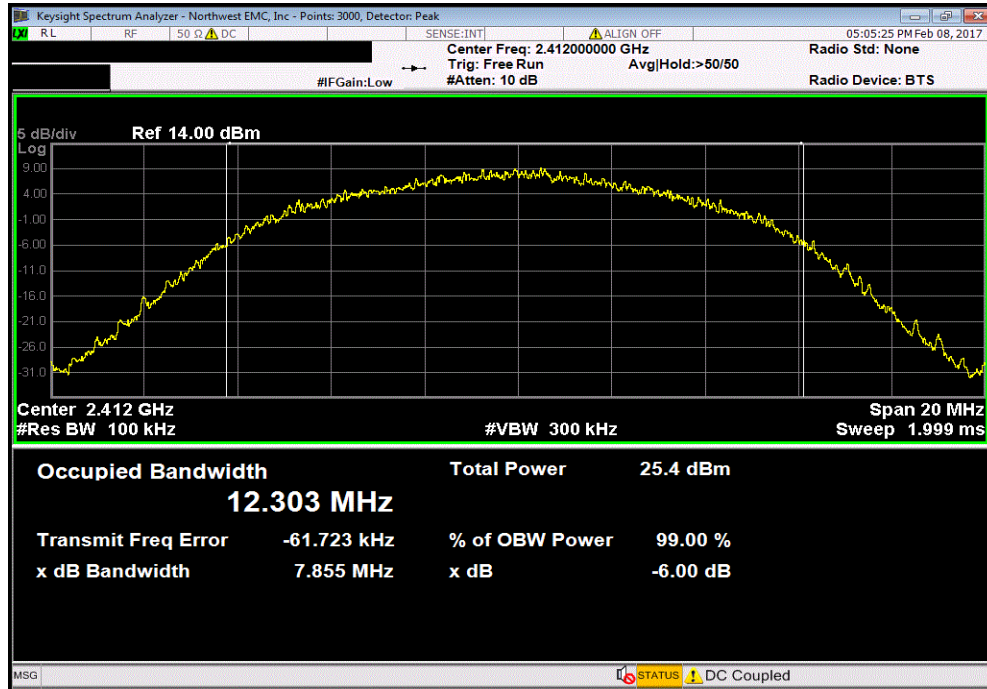


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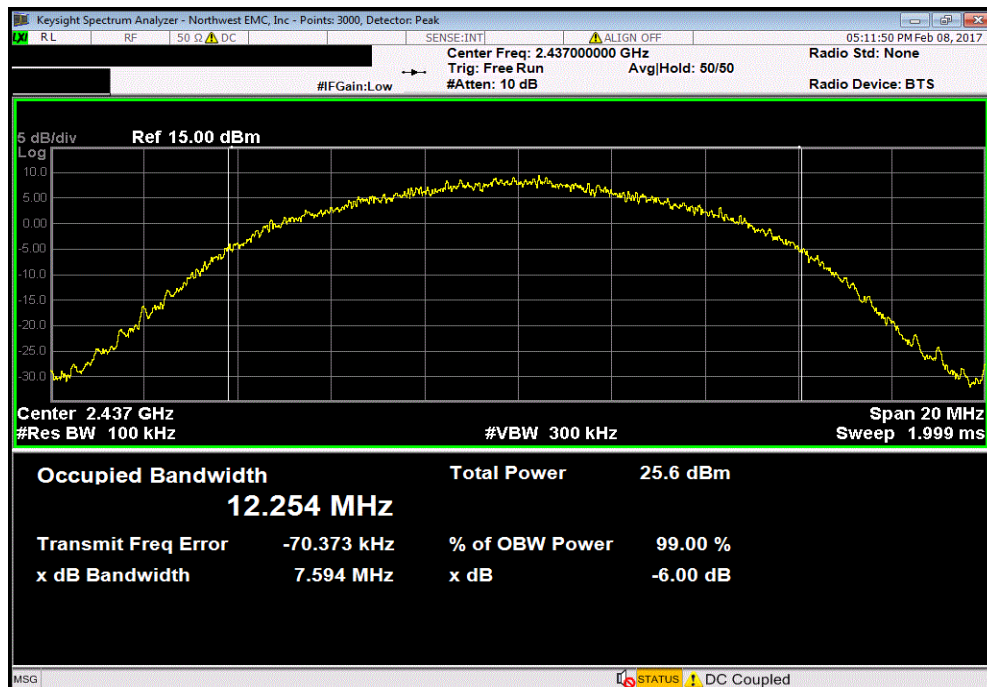


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Antenna A1, 2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, Low Channel 1, 2412 MHz						
				Value	Limit	Result
				7.855 MHz	(>) 500 kHz	Pass



Antenna A1, 2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, Mid Channel 6, 2437 MHz						
				Value	Limit	Result
				7.594 MHz	(>) 500 kHz	Pass



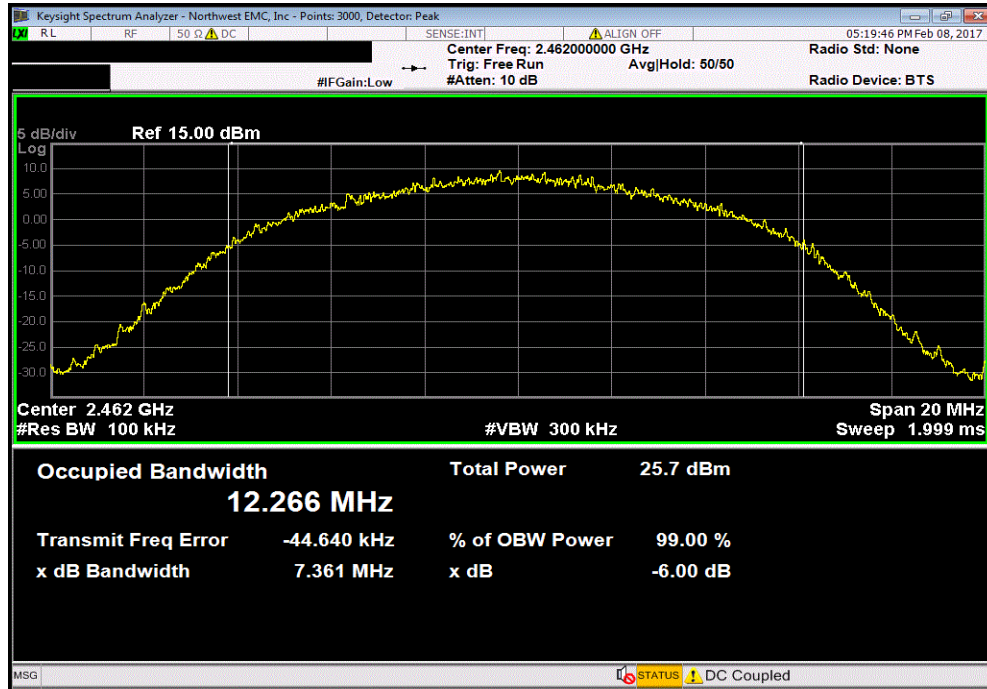
OCCUPIED BANDWIDTH



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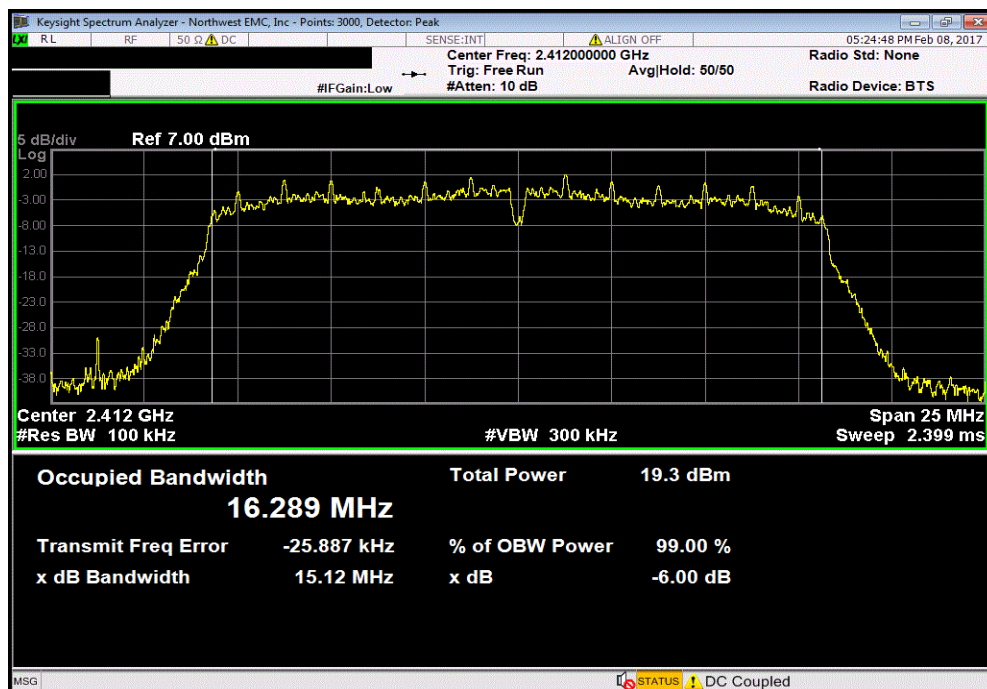
Antenna A1, 2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, High Channel 11, 2462 MHz

	Value	Limit	Result
	7.361 MHz	(>) 500 kHz	Pass



Antenna A1, 2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, Low Channel 1, 2412 MHz

	Value	Limit	Result
	15.116 MHz	(>) 500 kHz	Pass

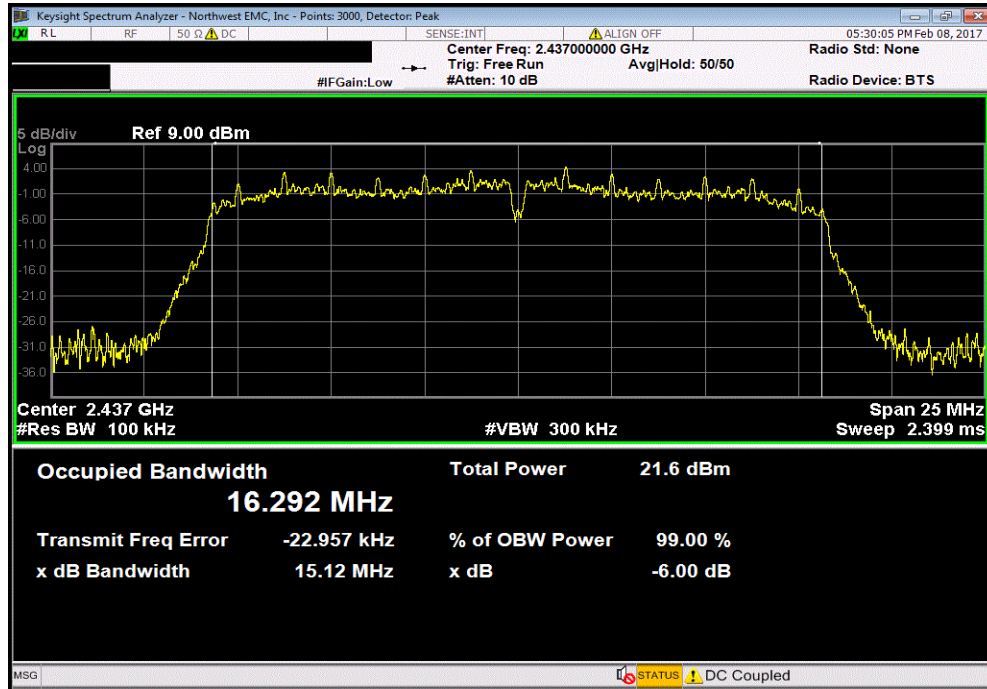


OCCUPIED BANDWIDTH

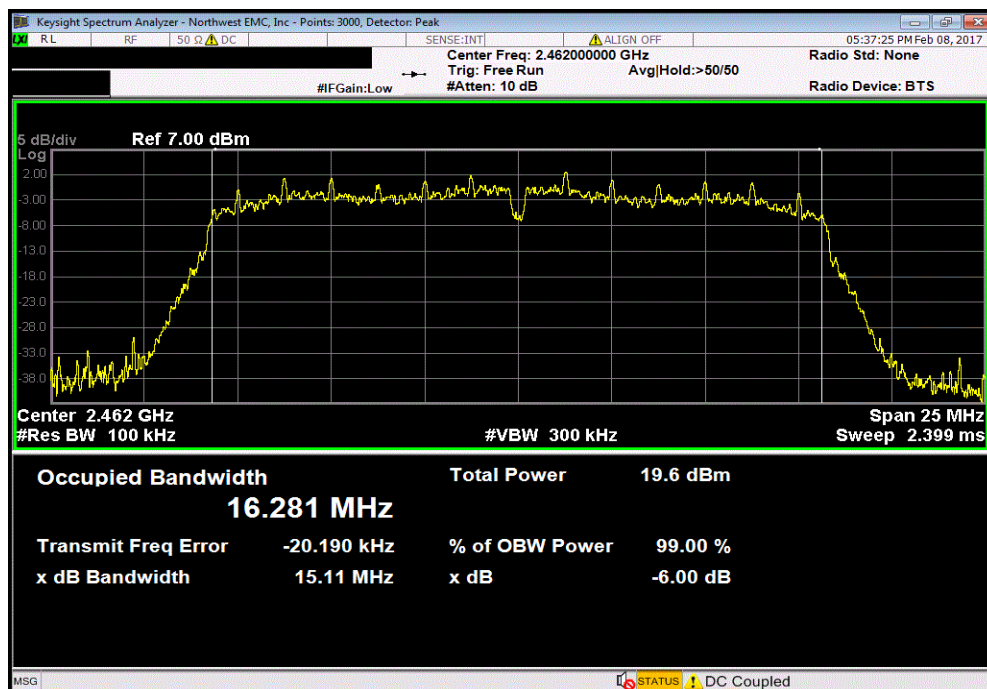


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Antenna A1, 2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, Mid Channel 6, 2437 MHz						
				Value	Limit	Result
				(>)		
				15.121 MHz	500 kHz	Pass



Antenna A1, 2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, High Channel 11, 2462 MHz						
				Value	Limit	Result
				(>)		
				15.112 MHz	500 kHz	Pass

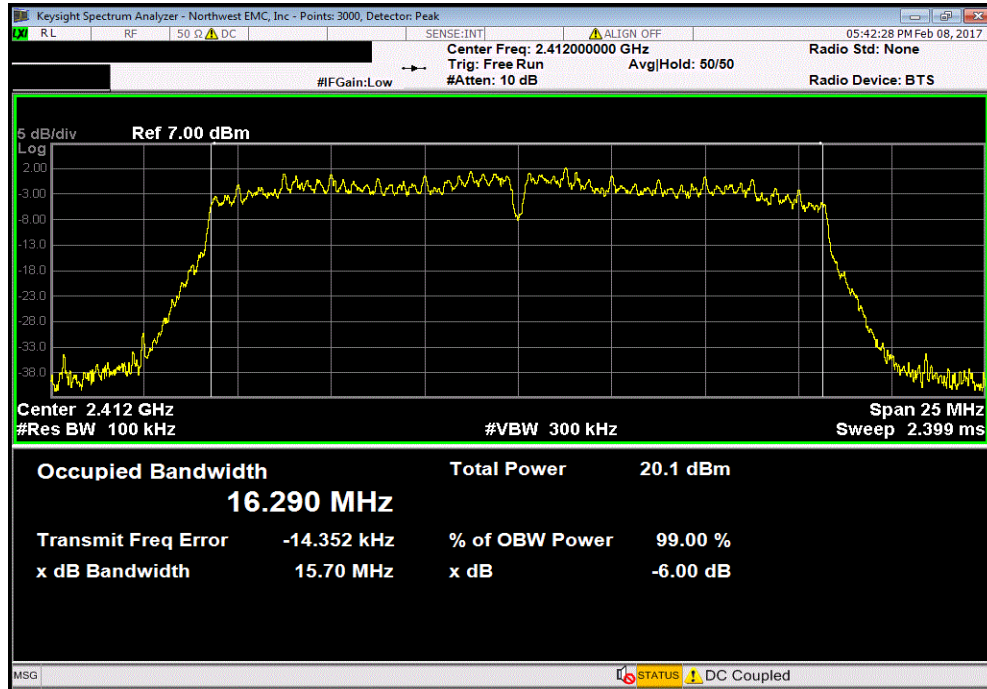


OCCUPIED BANDWIDTH

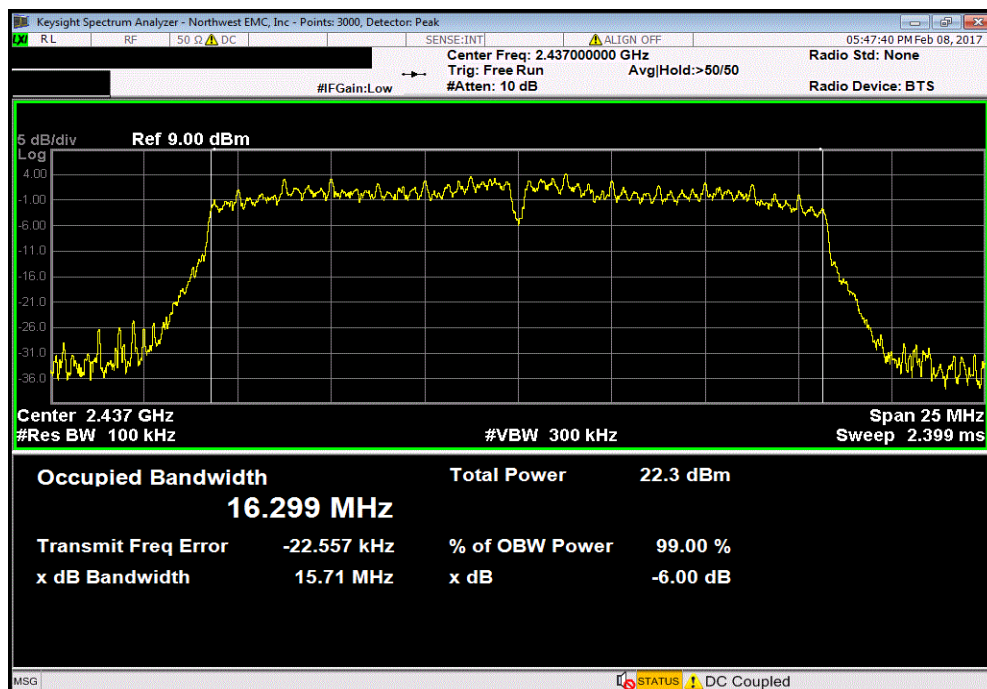


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Antenna A1, 2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, Low Channel 1, 2412 MHz						
	Value	Limit	Result			
		(>)				
	15.703 MHz	500 kHz	Pass			



Antenna A1, 2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, Mid Channel 6, 2437 MHz						
	Value	Limit	Result			
		(>)				
	15.709 MHz	500 kHz	Pass			



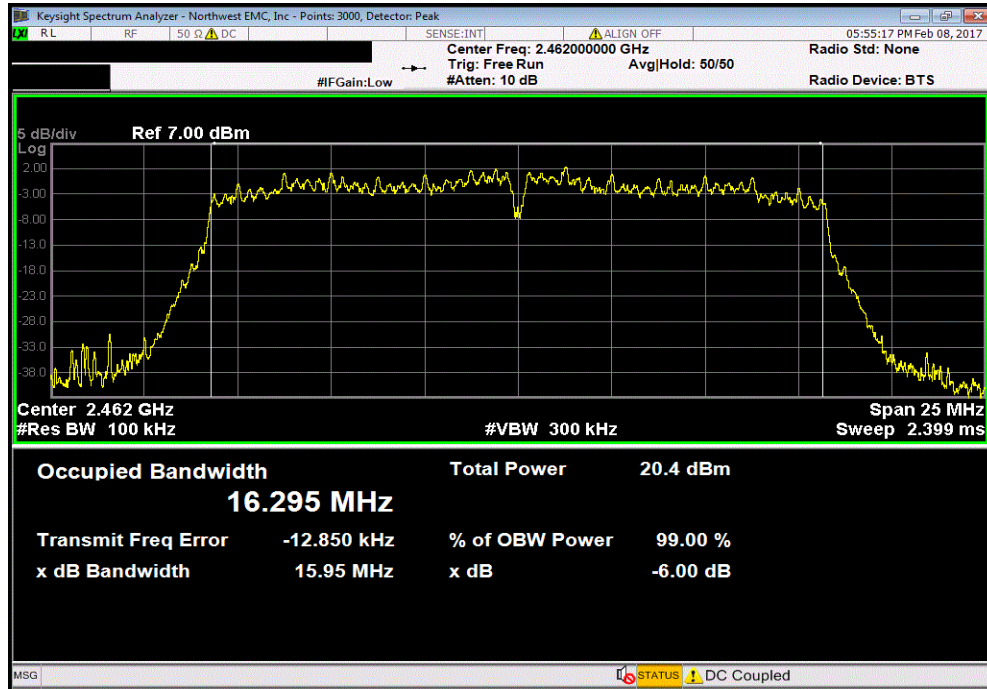
OCCUPIED BANDWIDTH



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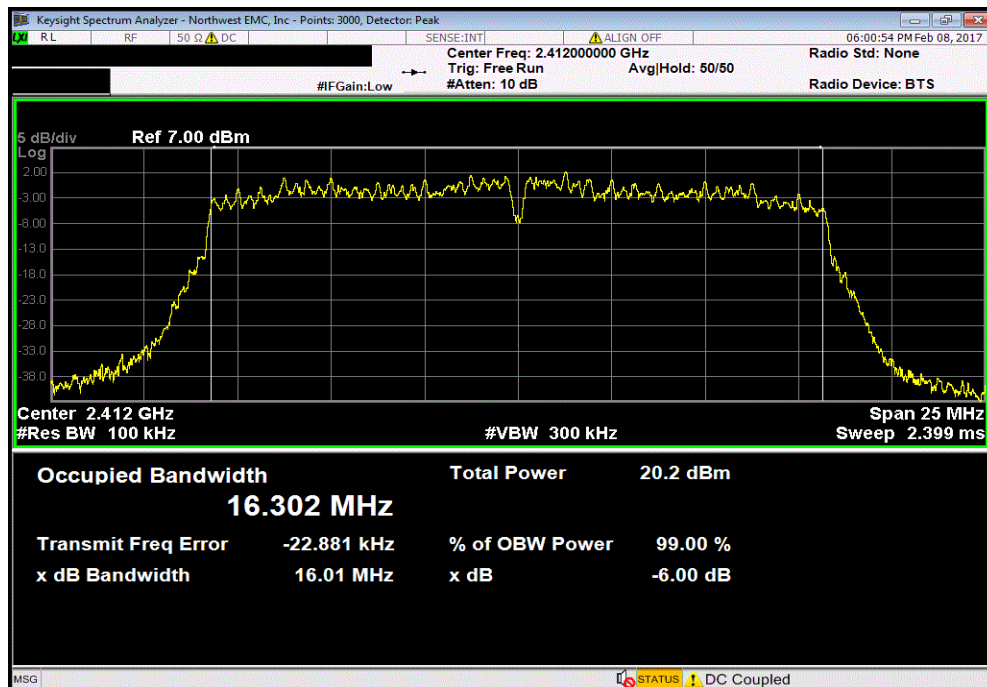
Antenna A1, 2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, High Channel 11, 2462 MHz

	Value	Limit	Result
	15.949 MHz	(>) 500 kHz	Pass



Antenna A1, 2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, Low Channel 1, 2412 MHz

	Value	Limit	Result
	16.009 MHz	(>) 500 kHz	Pass

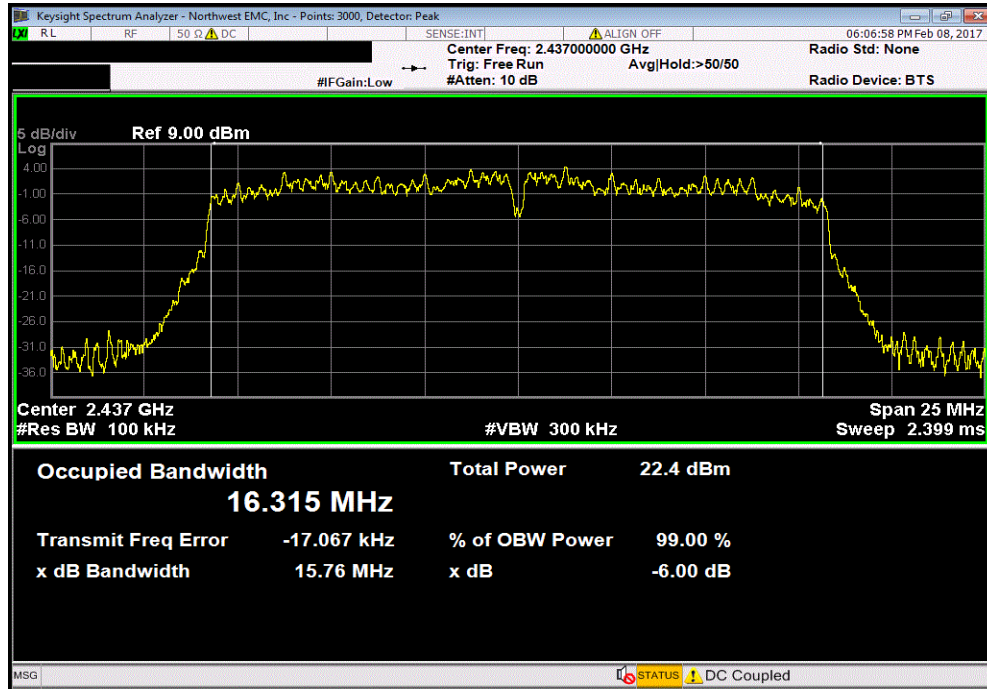


OCCUPIED BANDWIDTH

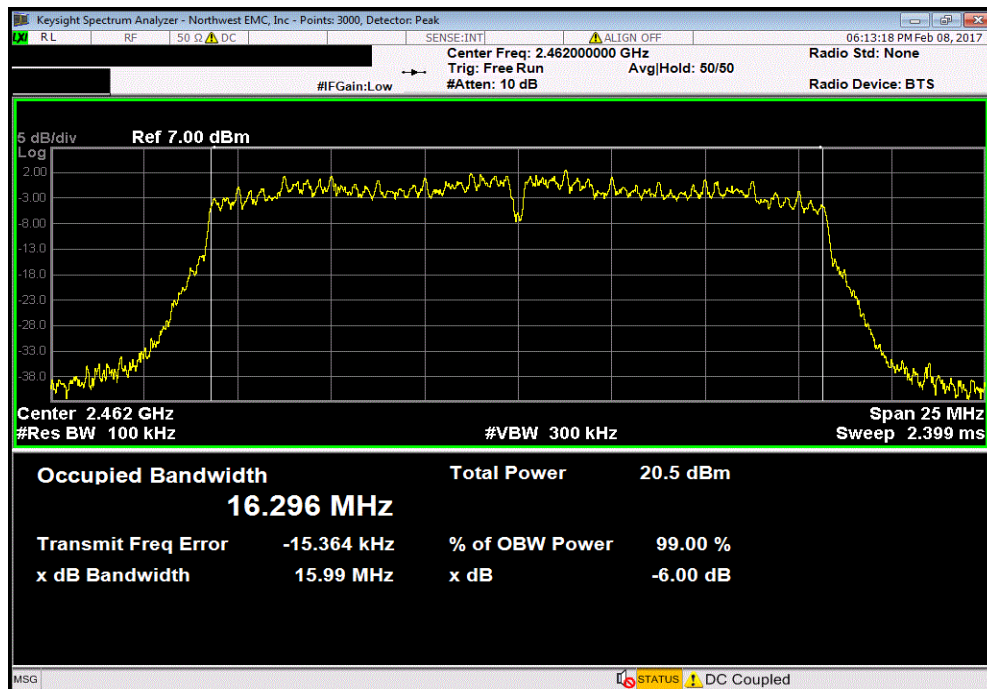


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Antenna A1, 2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, Mid Channel 6, 2437 MHz						
				Value	Limit	Result
				15.757 MHz	(>) 500 kHz	Pass



Antenna A1, 2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, High Channel 11, 2462 MHz						
				Value	Limit	Result
				15.993 MHz	(>) 500 kHz	Pass



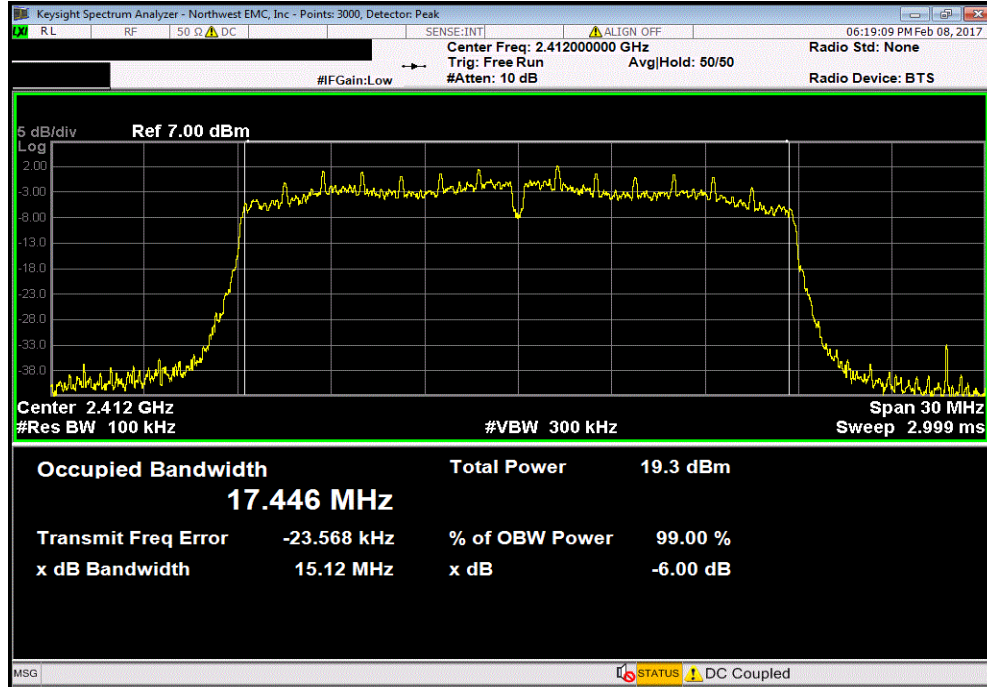
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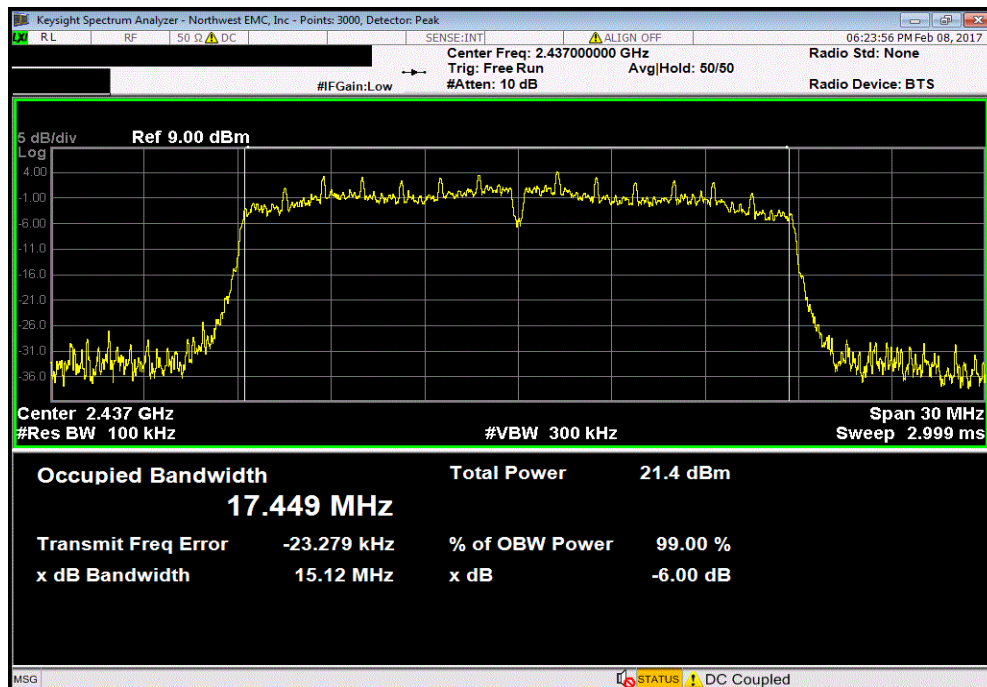
Antenna A1, 2400 MHz - 2483.5 MHz Band, 802.11(n) MCS0, Low Channel 1, 2412 MHz

	Value	Limit	Result
	15.119 MHz	(> 500 kHz)	Pass



Antenna A1, 2400 MHz - 2483.5 MHz Band, 802.11(n) MCS0, Mid Channel 6, 2437 MHz

	Value	Limit	Result
	15.121 MHz	(> 500 kHz)	Pass



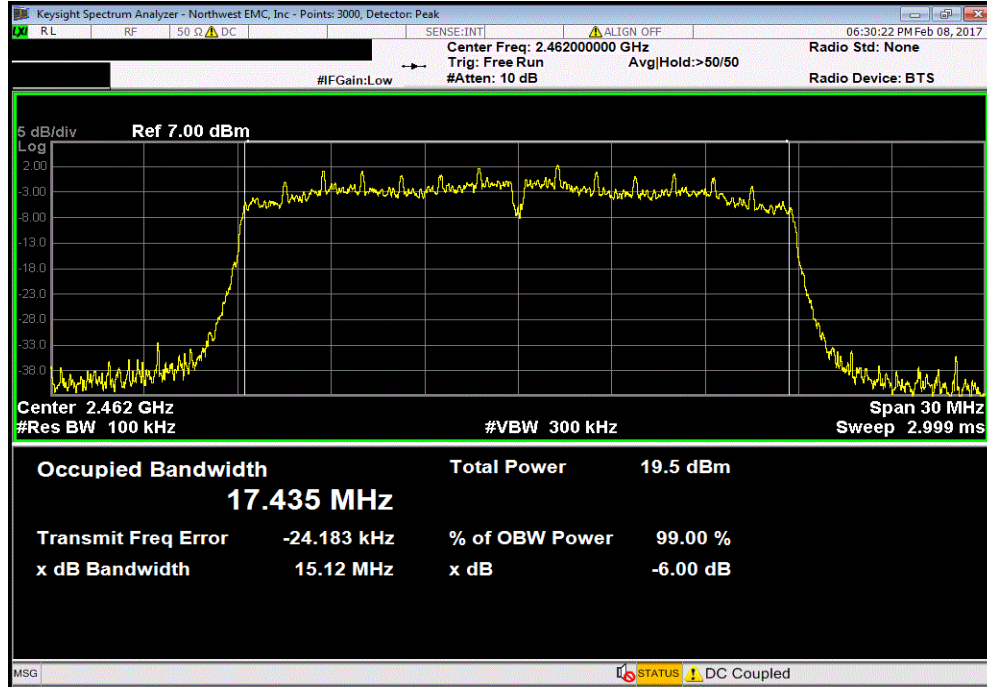
OCCUPIED BANDWIDTH



NweTx 2016.09.14.2 XMI 2017.01.28

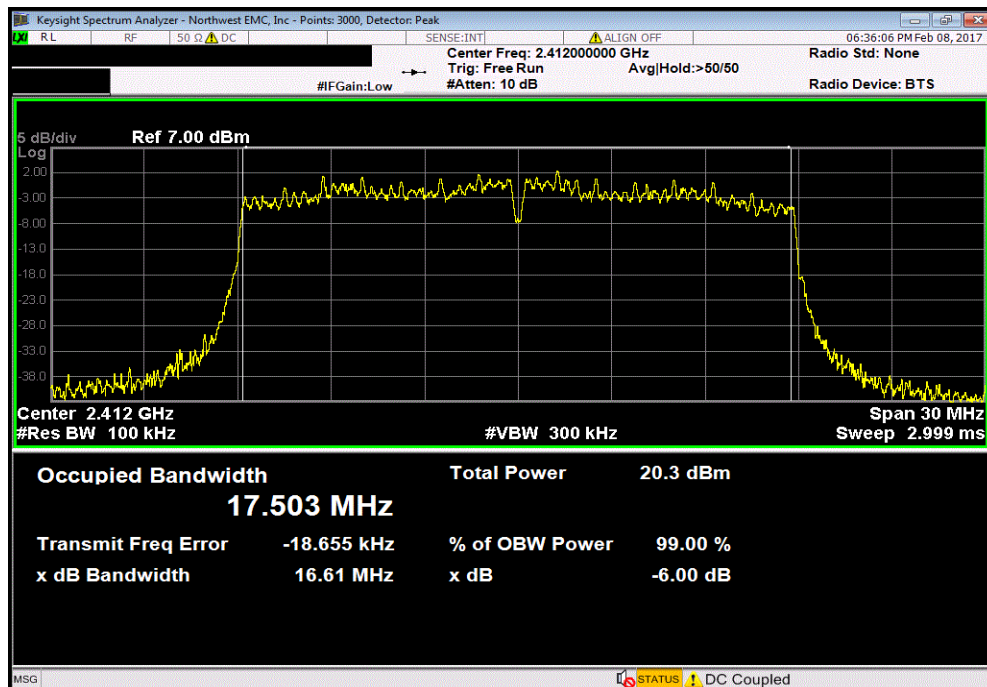
Antenna A1, 2400 MHz - 2483.5 MHz Band, 802.11(n) MCS0, High Channel 11, 2462 MHz

	Value	Limit	Result
	15.119 MHz	(> 500 kHz)	Pass



Antenna A1, 2400 MHz - 2483.5 MHz Band, 802.11(n) MCS7, Low Channel 1, 2412 MHz

	Value	Limit	Result
	16.611 MHz	(> 500 kHz)	Pass



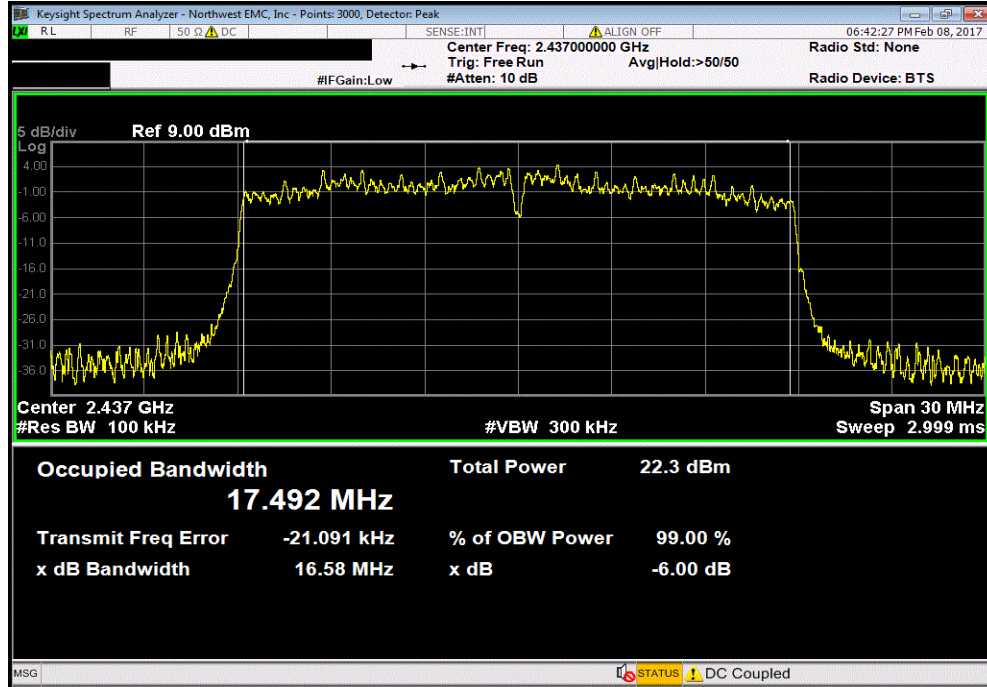
OCCUPIED BANDWIDTH



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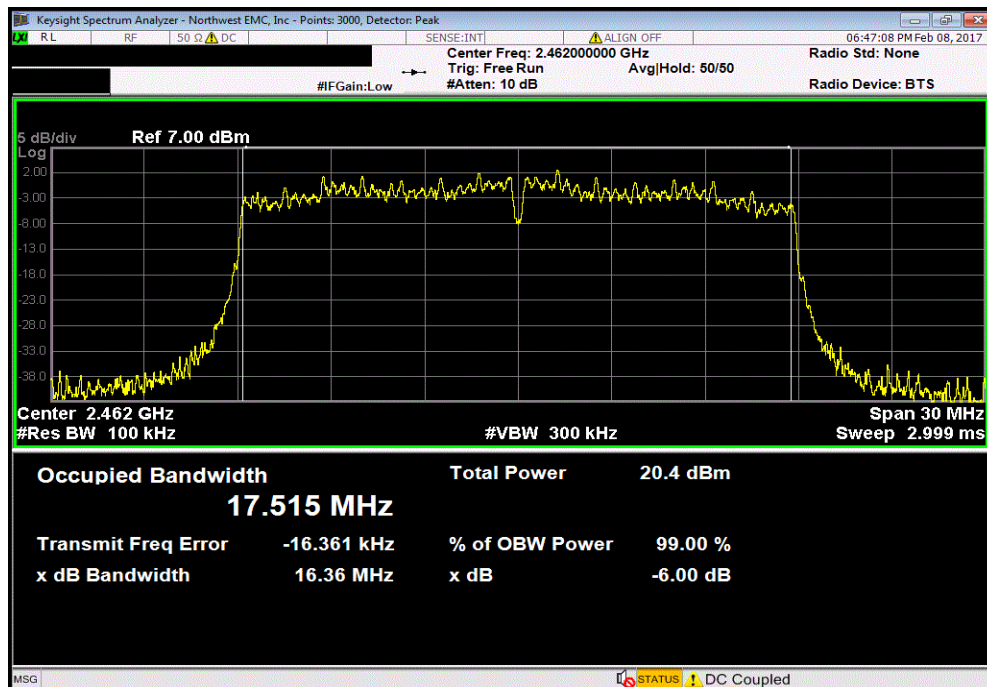
Antenna A1, 2400 MHz - 2483.5 MHz Band, 802.11(n) MCS7, Mid Channel 6, 2437 MHz

	Value	Limit	Result
	16.577 MHz	(> 500 kHz)	Pass



Antenna A1, 2400 MHz - 2483.5 MHz Band, 802.11(n) MCS7, High Channel 11, 2462 MHz

	Value	Limit	Result
	16.36 MHz	(> 500 kHz)	Pass



OUTPUT POWER



XMit 2017.01.26

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
Block - DC	Fairview Microwave	SD3379	AMM	2/25/2016	2/25/2017
Attenuator	Fairview Microwave	SA4018-20	TQY	2/25/2016	2/25/2017
Cable	Fairview Microwave	SCK0963-60	TXF	11/18/2016	11/18/2017
Analyzer - Spectrum Analyzer	Keysight	N9010A	AFM	3/15/2016	3/15/2017
Generator - Signal	Agilent	E4422B	TGS	3/27/2015	3/27/2018

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.

Prior to measuring peak transmit power the DTS bandwidth (B) was measured.

The method found in ANSI C63.10:2013 Section 11.9.1.1 was used because the RBW on the analyzer was greater than the DTS Bandwidth of the radio.

De Facto EIRP Limit: The EUT meets the de facto EIRP limit of +36 dBm.

OUTPUT POWER



EUT: RTH9580WF01

Serial Number: 0027301

Customer: Honeywell, Automation and Control Solutions

Attendees: Job Villafuerte

Project: None

Tested by: Jonathan Kiefer

Power: 110VAC/60Hz

Test Method

ANSI C63.10:2013

Work Order: HNYW0203

Date: 02/08/17

Temperature: 21.9 °C

Humidity: 35.1% RH

Barometric Pres.: 1019 mbar

Job Site: TX09

TEST SPECIFICATIONS

FCC 15.247:2017

COMMENTS

None

DEVIATIONS FROM TEST STANDARD

None

Configuration #

1

Signature



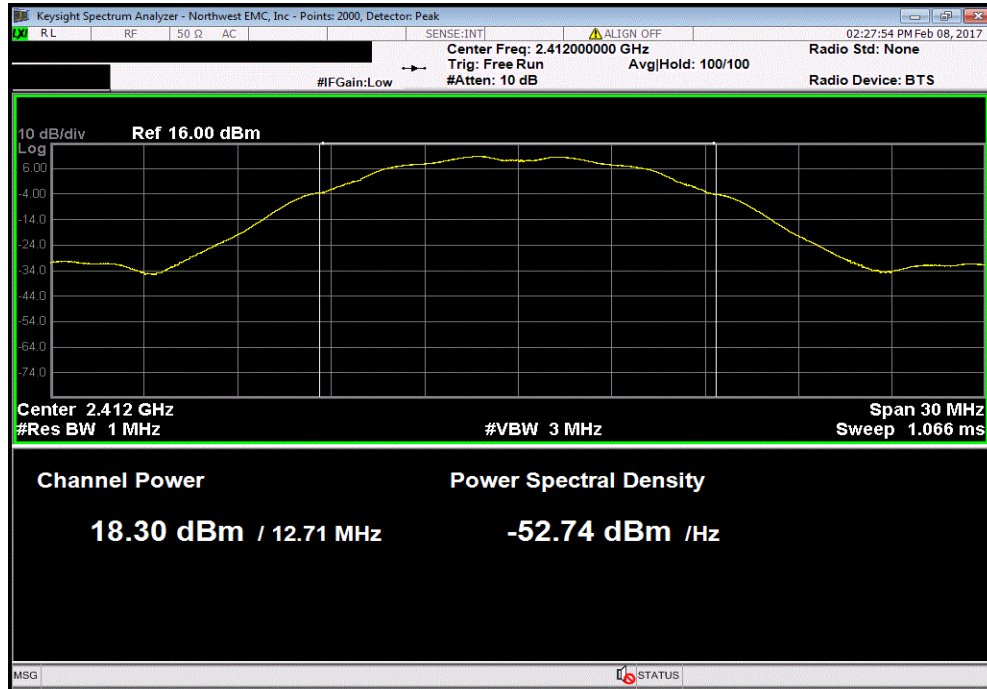
	Value	Limit (<)	Result
Antenna A0			
2400 MHz - 2483.5 MHz Band			
802.11(b) 1 Mbps			
Low Channel 1, 2412 MHz	18.304 dBm	30 dBm	Pass
Mid Channel 6, 2437 MHz	18.469 dBm	30 dBm	Pass
High Channel 11, 2462 MHz	18.427 dBm	30 dBm	Pass
802.11(b) 11 Mbps			
Low Channel 1, 2412 MHz	18.18 dBm	30 dBm	Pass
Mid Channel 6, 2437 MHz	18.266 dBm	30 dBm	Pass
High Channel 11, 2462 MHz	18.275 dBm	30 dBm	Pass
802.11(g) 6 Mbps			
Low Channel 1, 2412 MHz	14.112 dBm	30 dBm	Pass
Mid Channel 6, 2437 MHz	16.21 dBm	30 dBm	Pass
High Channel 11, 2462 MHz	14.217 dBm	30 dBm	Pass
802.11(g) 36 Mbps			
Low Channel 1, 2412 MHz	13.739 dBm	30 dBm	Pass
Mid Channel 6, 2437 MHz	15.904 dBm	30 dBm	Pass
High Channel 11, 2462 MHz	13.962 dBm	30 dBm	Pass
802.11(g) 54 Mbps			
Low Channel 1, 2412 MHz	13.644 dBm	30 dBm	Pass
Mid Channel 6, 2437 MHz	15.746 dBm	30 dBm	Pass
High Channel 11, 2462 MHz	13.782 dBm	30 dBm	Pass
802.11(n) MCS0			
Low Channel 1, 2412 MHz	13.994 dBm	30 dBm	Pass
Mid Channel 6, 2437 MHz	16.071 dBm	30 dBm	Pass
High Channel 11, 2462 MHz	14.131 dBm	30 dBm	Pass
802.11(n) MCS7			
Low Channel 1, 2412 MHz	13.536 dBm	30 dBm	Pass
Mid Channel 6, 2437 MHz	15.666 dBm	30 dBm	Pass
High Channel 11, 2462 MHz	13.656 dBm	30 dBm	Pass
Antenna A1			
2400 MHz - 2483.5 MHz Band			
802.11(b) 1 Mbps			
Low Channel 1, 2412 MHz	18.17 dBm	30 dBm	Pass
Mid Channel 6, 2437 MHz	18.365 dBm	30 dBm	Pass
High Channel 11, 2462 MHz	18.397 dBm	30 dBm	Pass
802.11(b) 11 Mbps			
Low Channel 1, 2412 MHz	18.054 dBm	30 dBm	Pass
Mid Channel 6, 2437 MHz	18.26 dBm	30 dBm	Pass
High Channel 11, 2462 MHz	18.228 dBm	30 dBm	Pass
802.11(g) 6 Mbps			
Low Channel 1, 2412 MHz	13.852 dBm	30 dBm	Pass
Mid Channel 6, 2437 MHz	16.117 dBm	30 dBm	Pass
High Channel 11, 2462 MHz	14.134 dBm	30 dBm	Pass
802.11(g) 36 Mbps			
Low Channel 1, 2412 MHz	13.623 dBm	30 dBm	Pass
Mid Channel 6, 2437 MHz	15.803 dBm	30 dBm	Pass
High Channel 11, 2462 MHz	13.855 dBm	30 dBm	Pass
802.11(g) 54 Mbps			
Low Channel 1, 2412 MHz	13.486 dBm	30 dBm	Pass
Mid Channel 6, 2437 MHz	15.735 dBm	30 dBm	Pass
High Channel 11, 2462 MHz	13.696 dBm	30 dBm	Pass
802.11(n) MCS0			
Low Channel 1, 2412 MHz	13.838 dBm	30 dBm	Pass
Mid Channel 6, 2437 MHz	16.043 dBm	30 dBm	Pass
High Channel 11, 2462 MHz	14.034 dBm	30 dBm	Pass
802.11(n) MCS7			
Low Channel 1, 2412 MHz	13.531 dBm	30 dBm	Pass
Mid Channel 6, 2437 MHz	15.571 dBm	30 dBm	Pass
High Channel 11, 2462 MHz	13.565 dBm	30 dBm	Pass

OUTPUT POWER

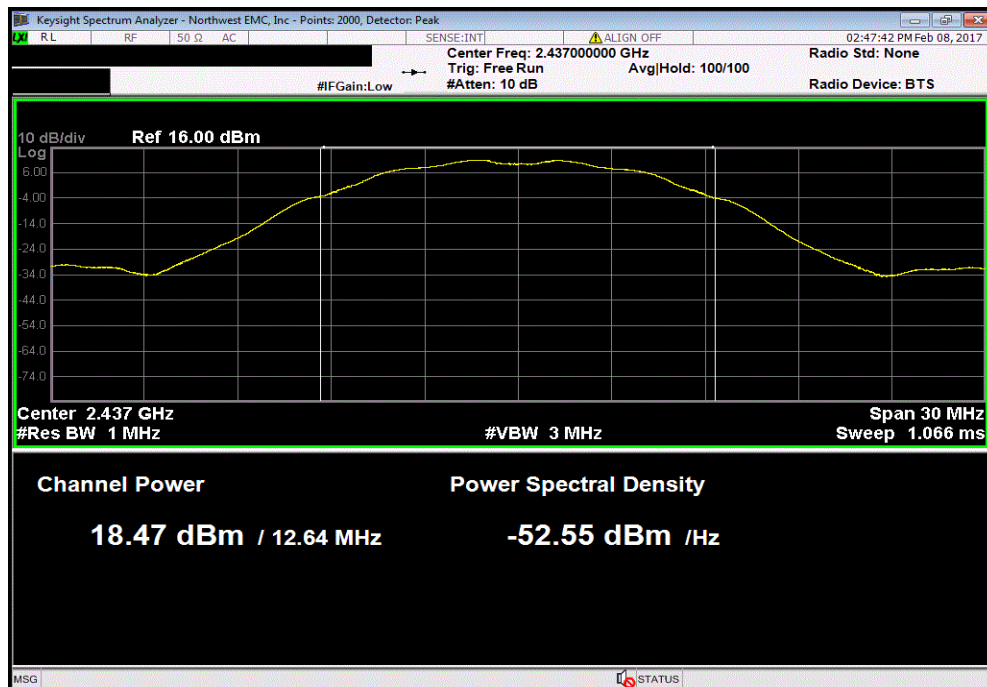


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Antenna A0, 2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, Low Channel 1, 2412 MHz						
				Value	Limit	Result
				18.304 dBm	30 dBm	Pass



Antenna A0, 2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, Mid Channel 6, 2437 MHz						
				Value	Limit	Result
				18.469 dBm	30 dBm	Pass

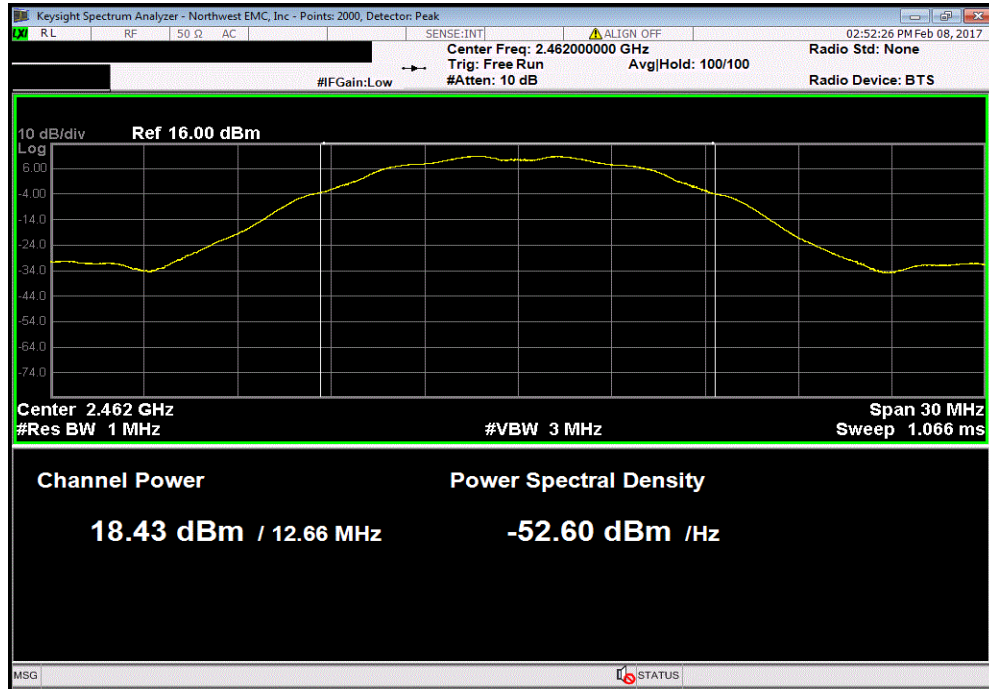


OUTPUT POWER

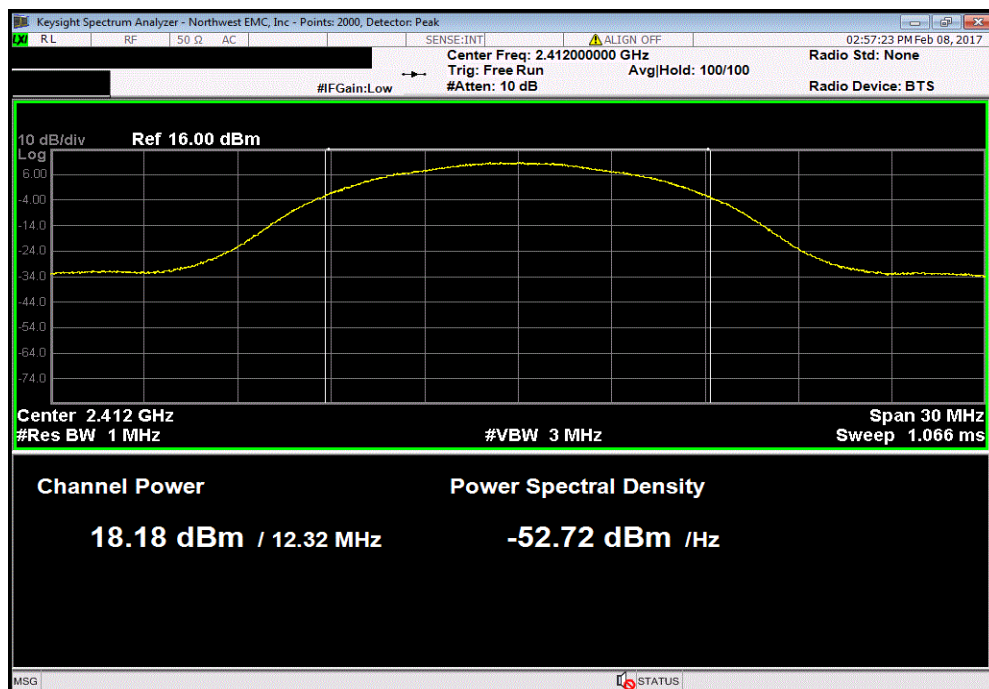


NweTx 2016.09.14.2 XMI 2017.01.28

Antenna A0, 2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, High Channel 11, 2462 MHz						
				Value	Limit	Result
					(<)	
				18.427 dBm	30 dBm	Pass



Antenna A0, 2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, Low Channel 1, 2412 MHz						
				Value	Limit	Result
					(<)	
				18.18 dBm	30 dBm	Pass

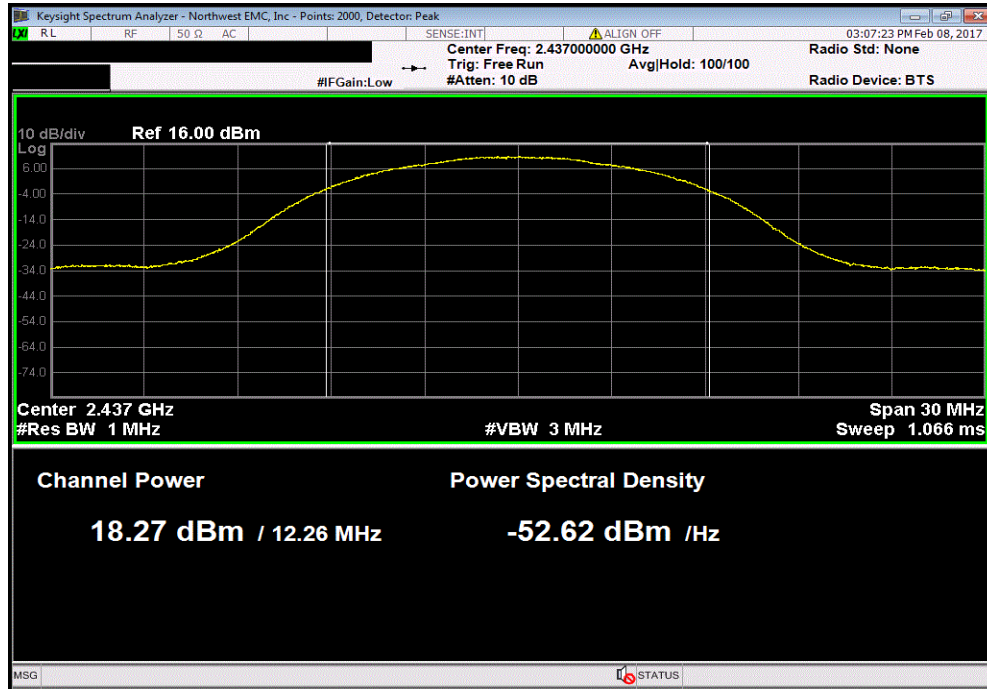


OUTPUT POWER

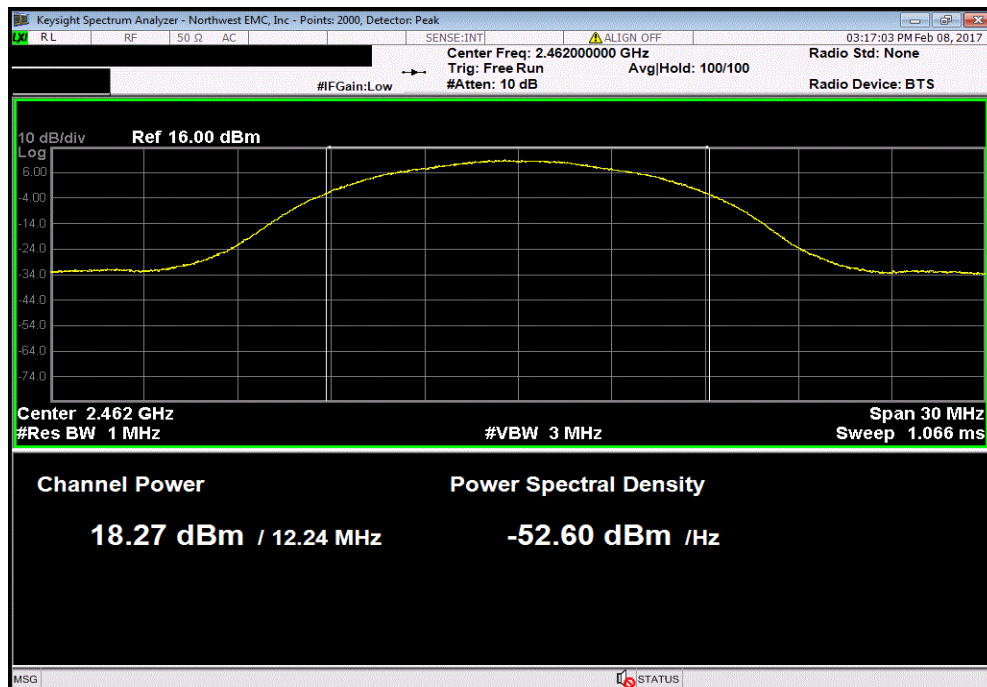


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Antenna A0, 2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, Mid Channel 6, 2437 MHz						
				Value	Limit ($<$)	Result
				18.266 dBm	30 dBm	Pass



Antenna A0, 2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, High Channel 11, 2462 MHz						
				Value	Limit ($<$)	Result
				18.275 dBm	30 dBm	Pass

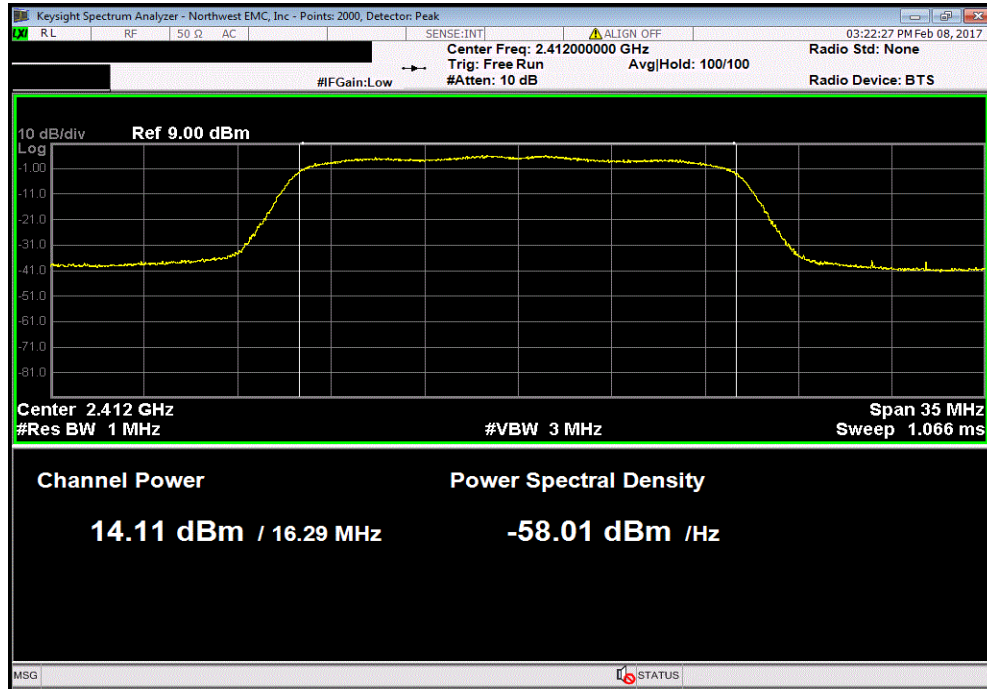


OUTPUT POWER

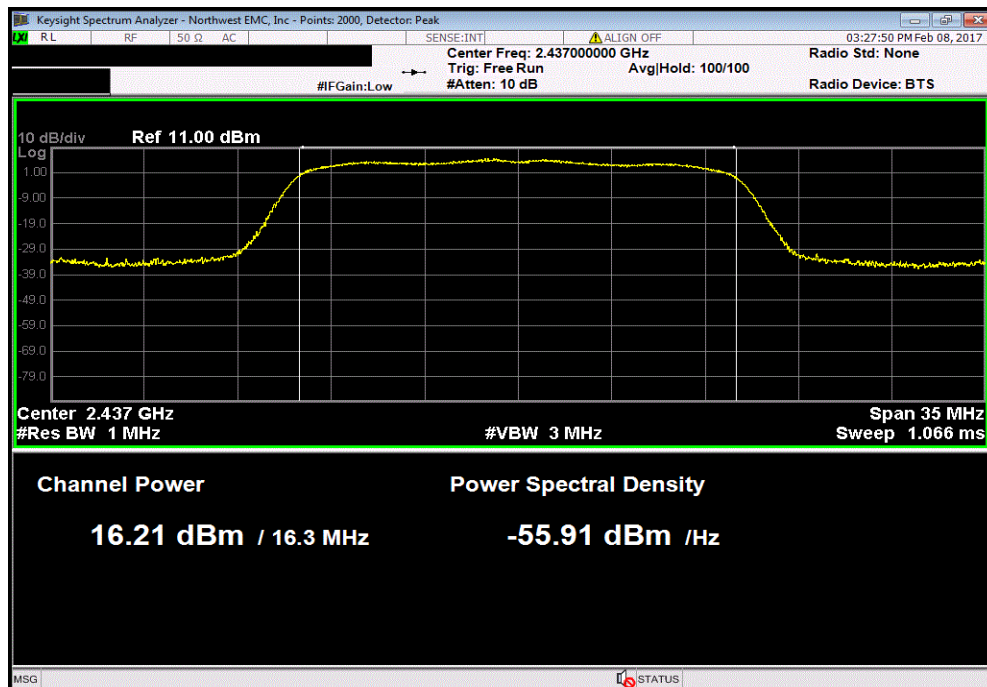


NweTx 2016.09.14.2 XMI 2017.01.28

Antenna A0, 2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, Low Channel 1, 2412 MHz						
	Value	Limit				
		($<$)	Result			
	14.112 dBm	30 dBm	Pass			



Antenna A0, 2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, Mid Channel 6, 2437 MHz						
	Value	Limit				
		($<$)	Result			
	16.21 dBm	30 dBm	Pass			

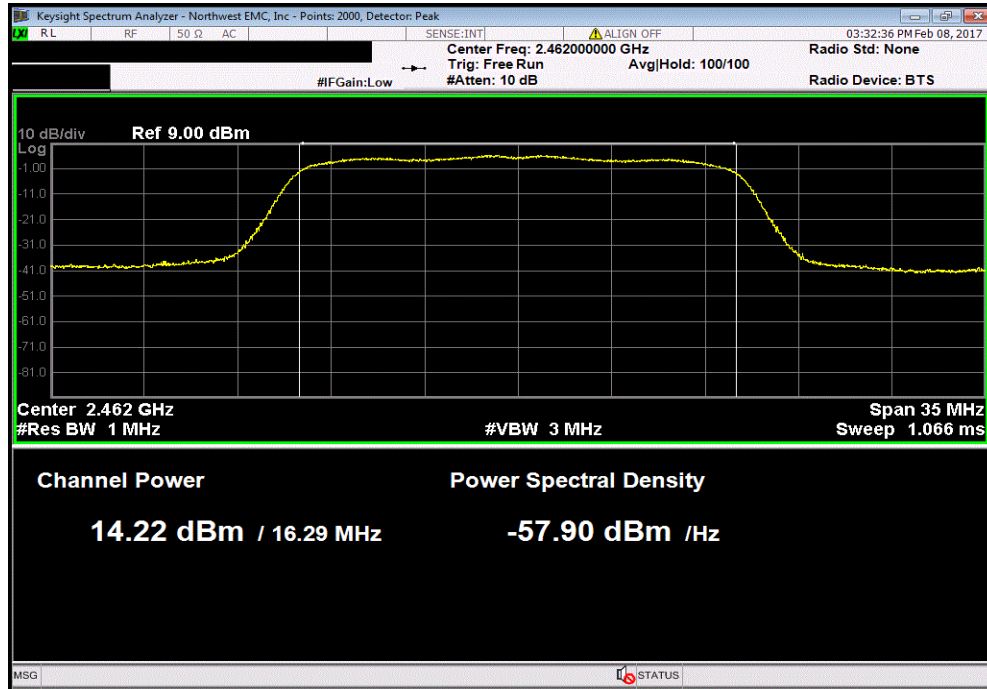


OUTPUT POWER

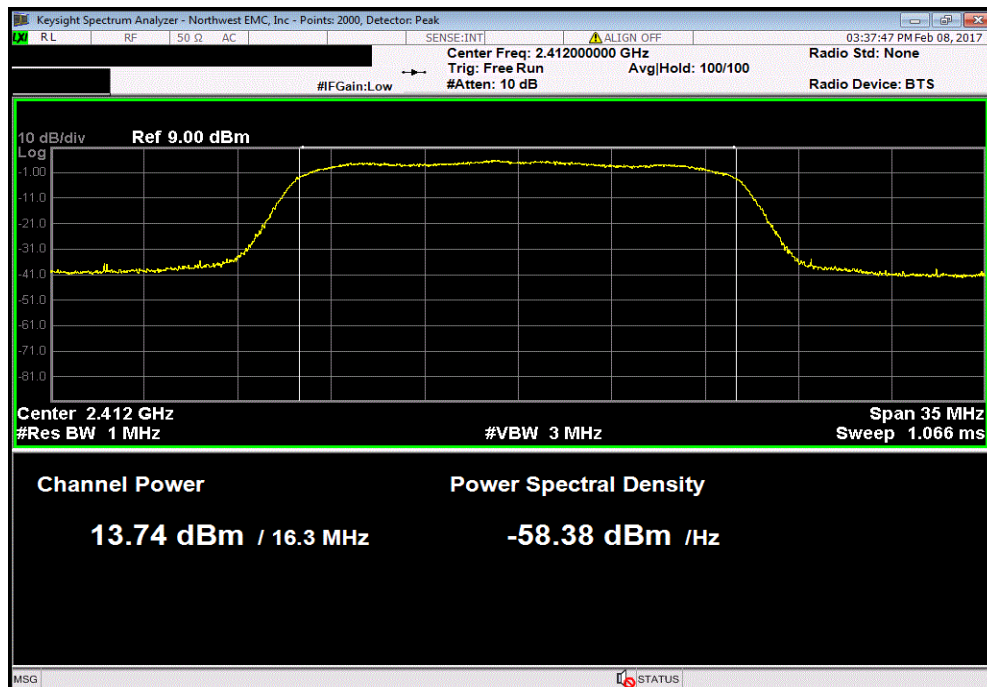


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Antenna A0, 2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, High Channel 11, 2462 MHz						
				Value	Limit	Result
				14.217 dBm	30 dBm	Pass



Antenna A0, 2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, Low Channel 1, 2412 MHz						
				Value	Limit	Result
				13.739 dBm	30 dBm	Pass

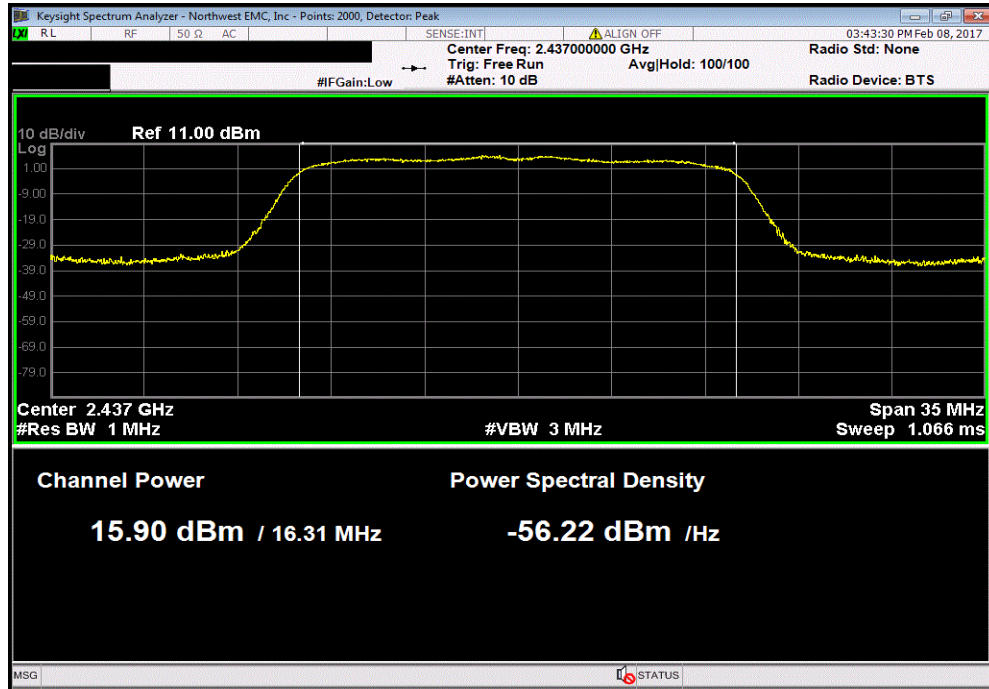


OUTPUT POWER

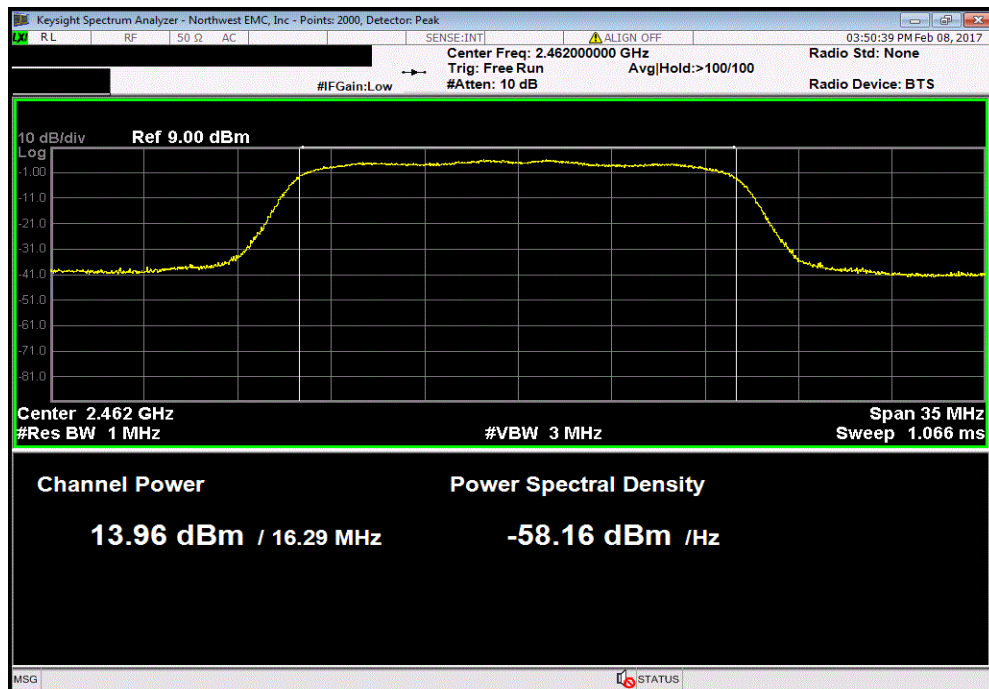


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Antenna A0, 2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, Mid Channel 6, 2437 MHz						
				Value	Limit	Result
				15.904 dBm	30 dBm	Pass



Antenna A0, 2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, High Channel 11, 2462 MHz						
				Value	Limit	Result
				13.962 dBm	30 dBm	Pass

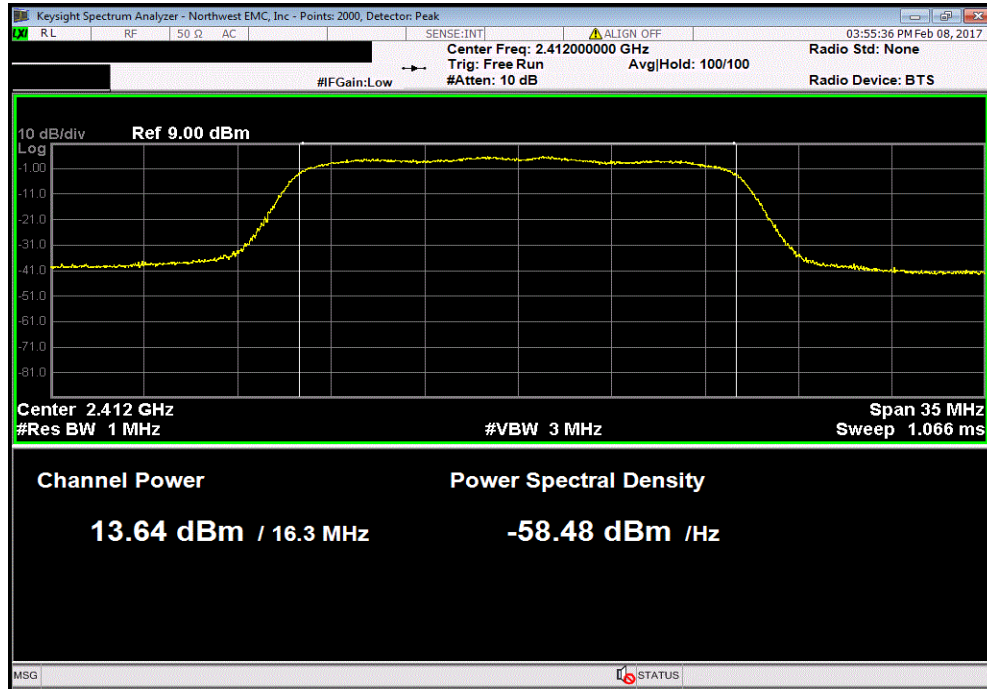


OUTPUT POWER

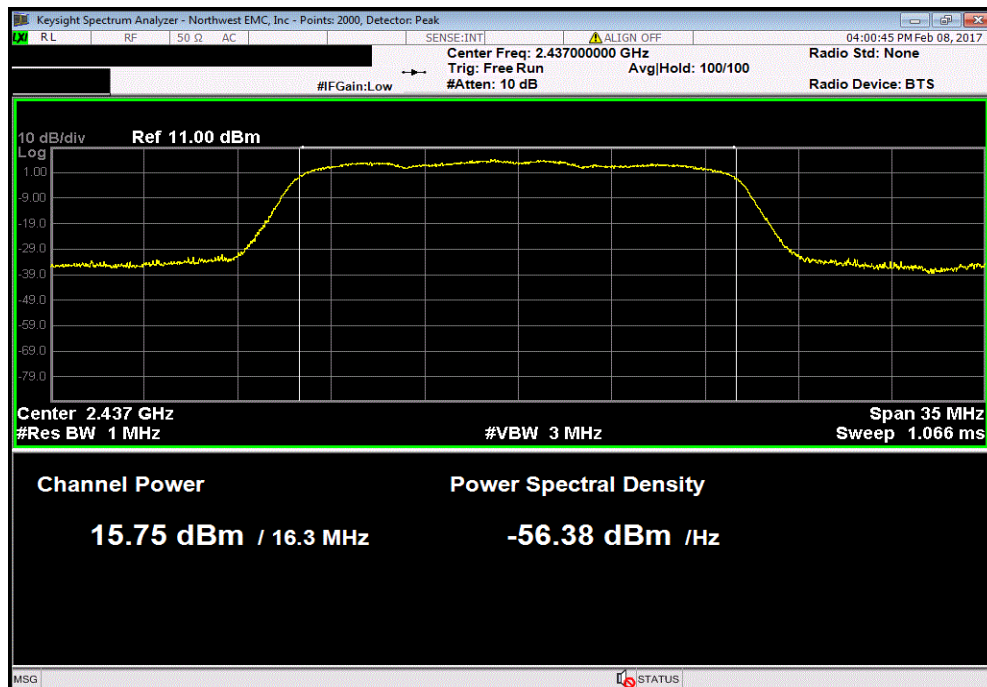


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Antenna A0, 2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, Low Channel 1, 2412 MHz						
				Value	Limit	Result
				13.644 dBm	30 dBm	Pass



Antenna A0, 2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, Mid Channel 6, 2437 MHz						
				Value	Limit	Result
				15.746 dBm	30 dBm	Pass

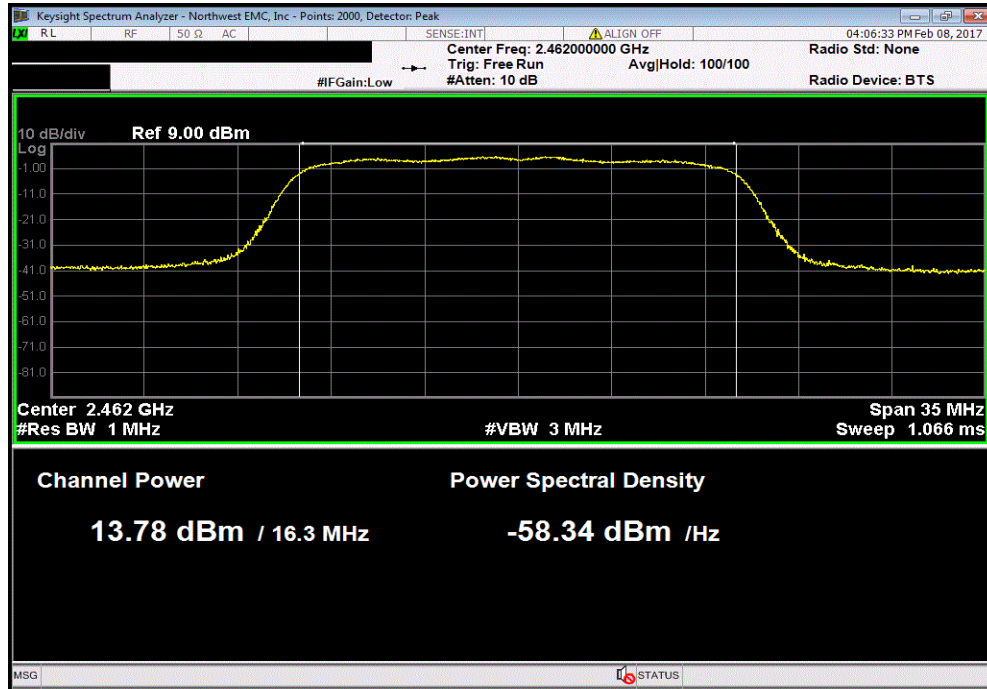


OUTPUT POWER

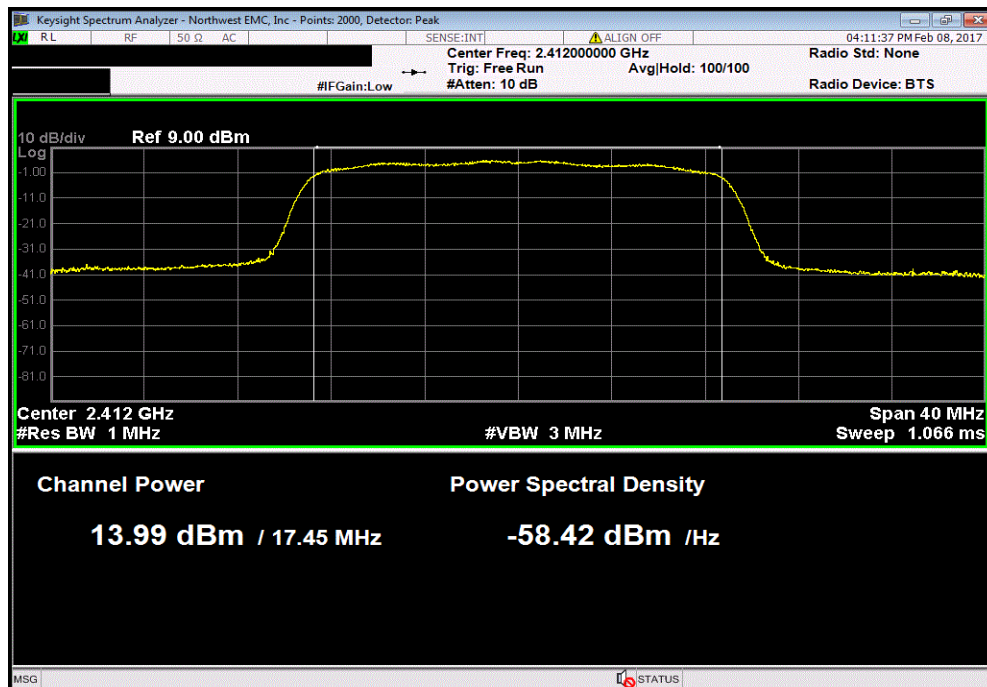


NweTx 2016.09.14.2 XMI 2017.01.28

Antenna A0, 2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, High Channel 11, 2462 MHz						
				Value	Limit	Result
				13.782 dBm	30 dBm	Pass



Antenna A0, 2400 MHz - 2483.5 MHz Band, 802.11(n) MCS0, Low Channel 1, 2412 MHz						
				Value	Limit	Result
				13.994 dBm	30 dBm	Pass

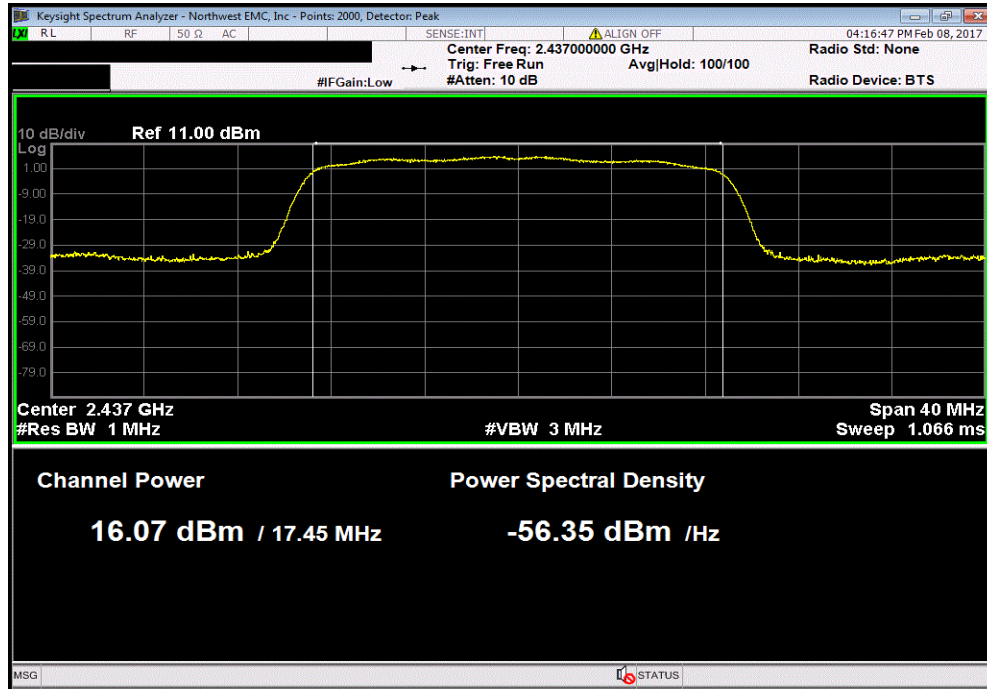


OUTPUT POWER

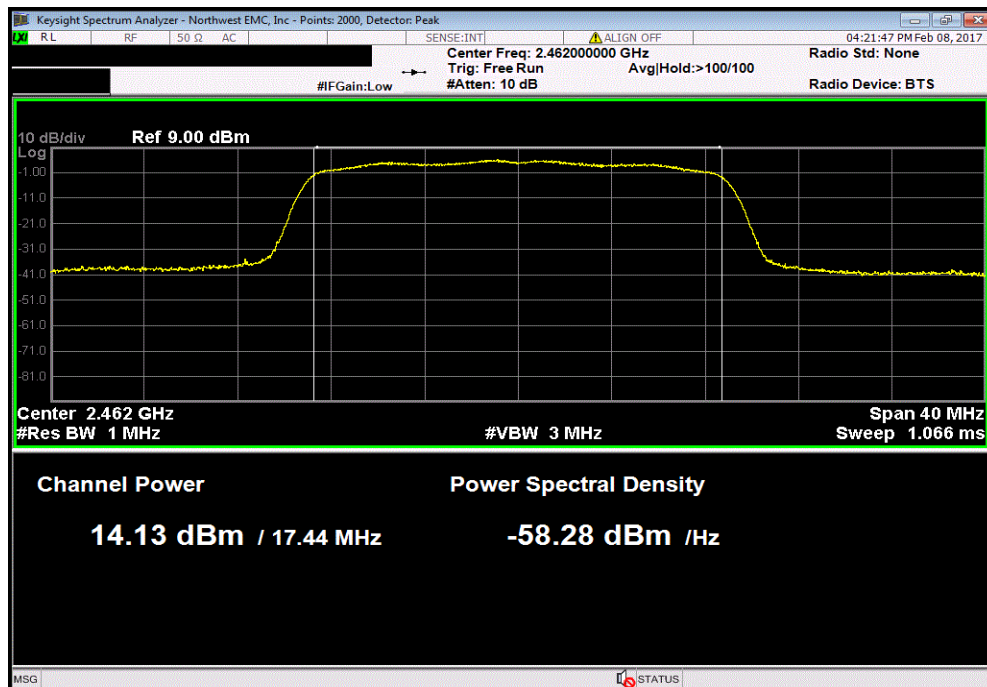


NweTx 2016.09.14.2 XMI 2017.01.28

Antenna A0, 2400 MHz - 2483.5 MHz Band, 802.11(n) MCS0, Mid Channel 6, 2437 MHz						
				Value	Limit	Result
					(<)	
				16.071 dBm	30 dBm	Pass



Antenna A0, 2400 MHz - 2483.5 MHz Band, 802.11(n) MCS0, High Channel 11, 2462 MHz						
				Value	Limit	Result
					(<)	
				14.131 dBm	30 dBm	Pass

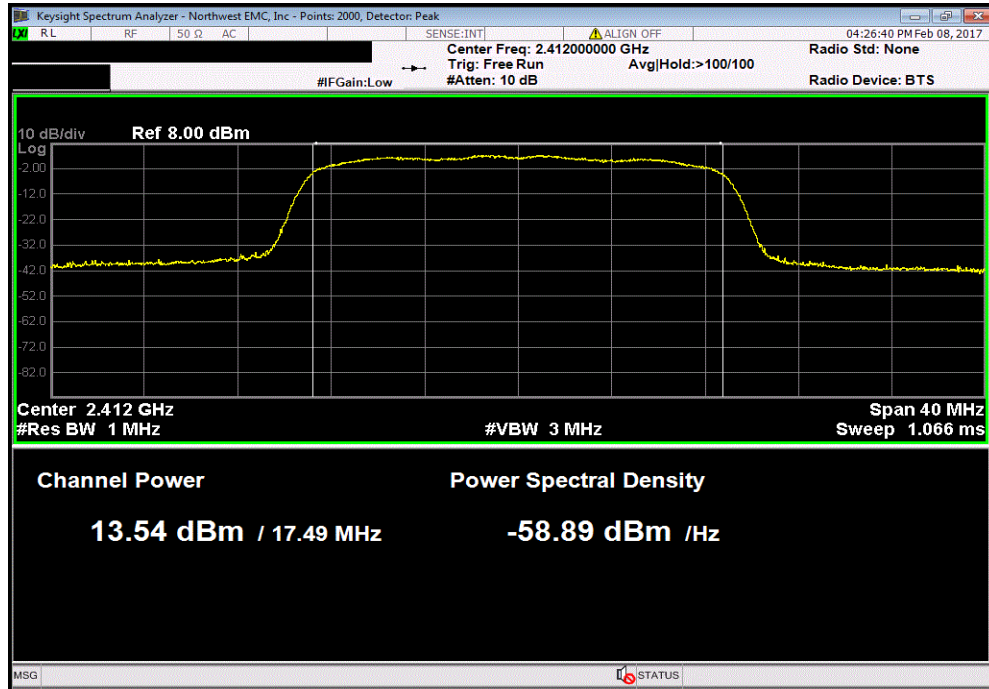


OUTPUT POWER

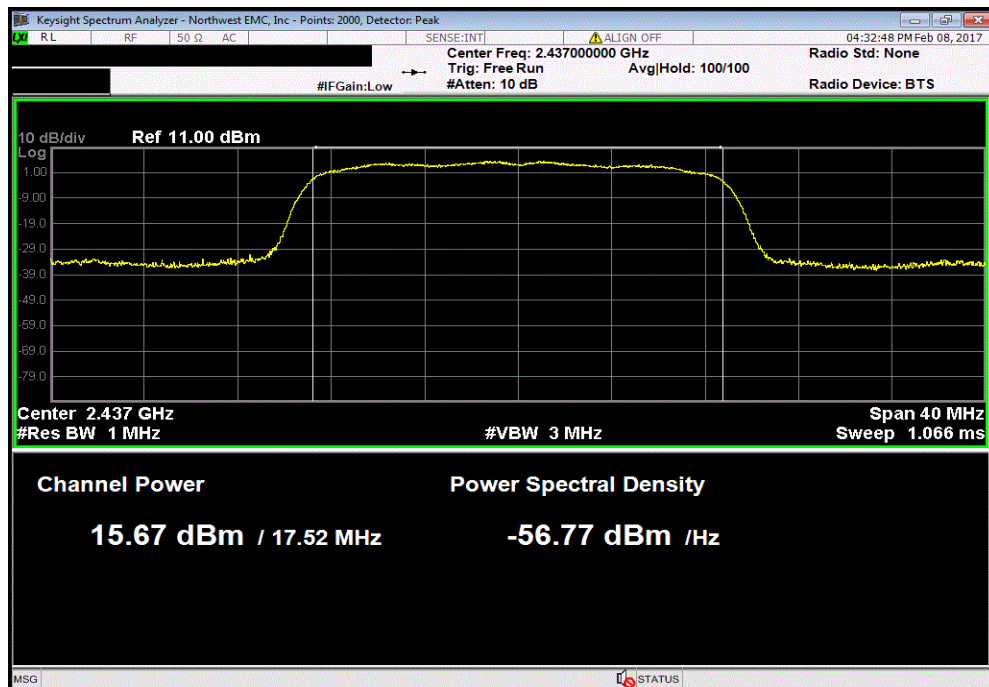


NweTx 2016.09.14.2 XMI 2017.01.28

Antenna A0, 2400 MHz - 2483.5 MHz Band, 802.11(n) MCS7, Low Channel 1, 2412 MHz						
				Value	Limit	Result
				13.536 dBm	30 dBm	Pass



Antenna A0, 2400 MHz - 2483.5 MHz Band, 802.11(n) MCS7, Mid Channel 6, 2437 MHz						
				Value	Limit	Result
				15.666 dBm	30 dBm	Pass

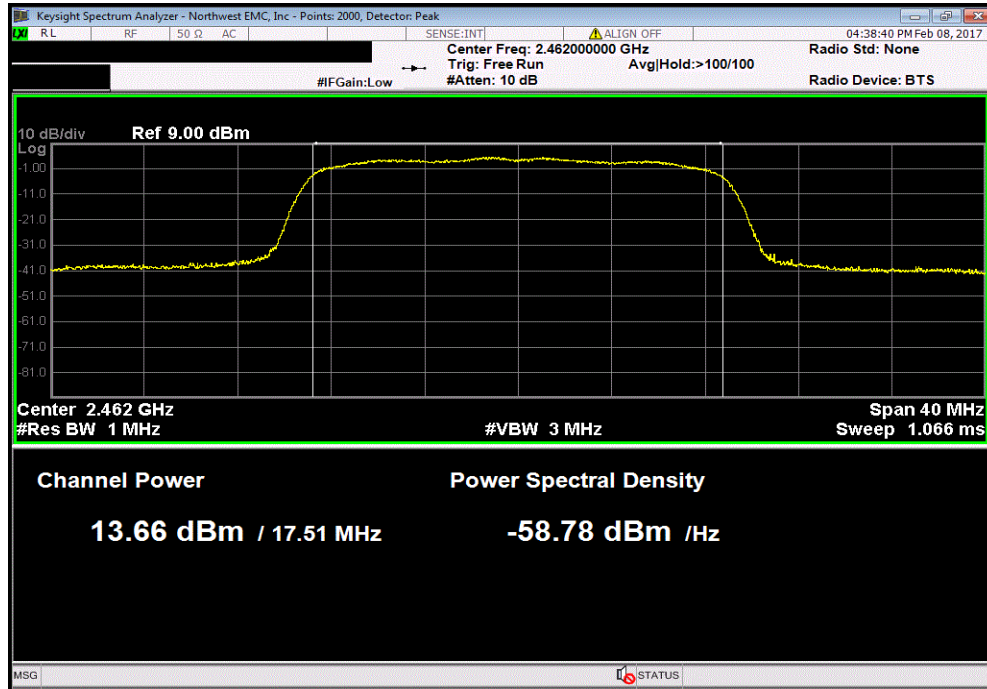


OUTPUT POWER

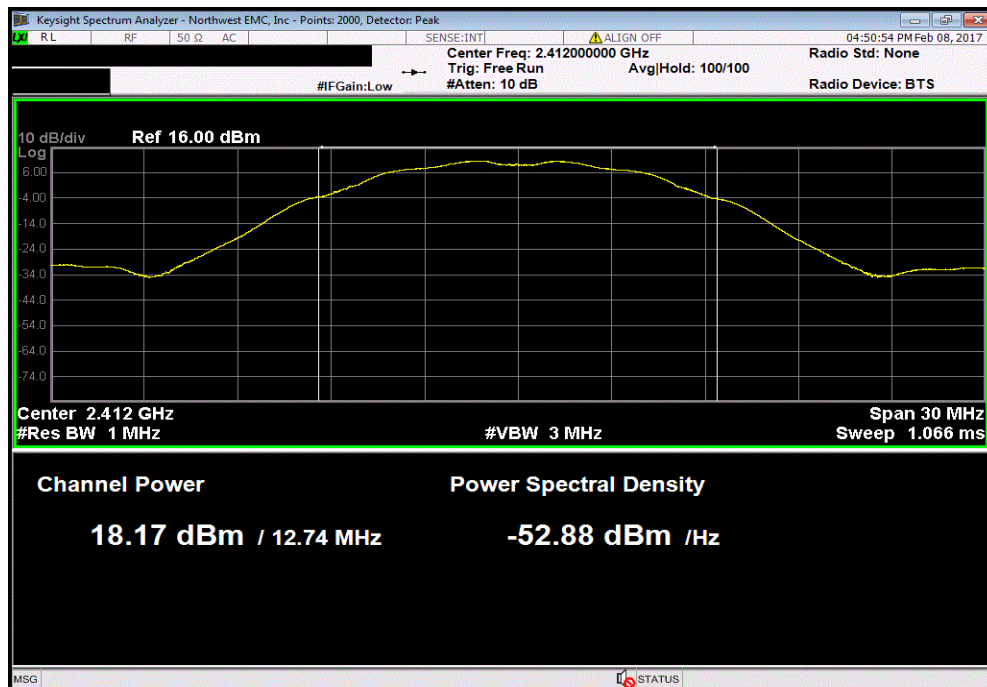


NweTx 2016.09.14.2 XMI 2017.01.28

Antenna A0, 2400 MHz - 2483.5 MHz Band, 802.11(n) MCS7, High Channel 11, 2462 MHz						
				Value	Limit	Result
				13.656 dBm	30 dBm	Pass



Antenna A1, 2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, Low Channel 1, 2412 MHz						
				Value	Limit	Result
				18.17 dBm	30 dBm	Pass

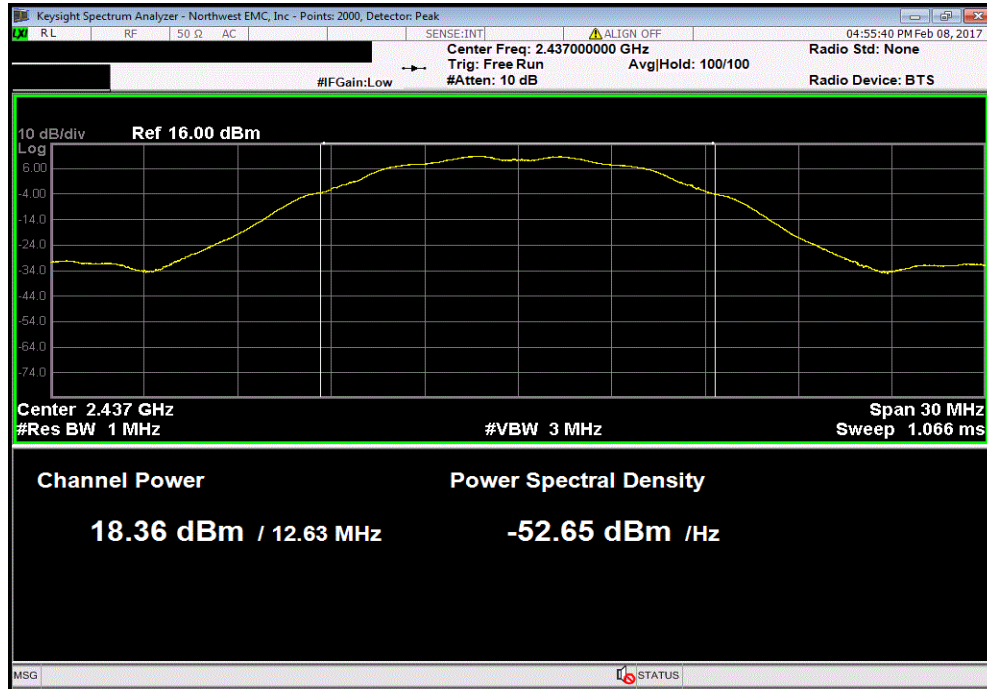


OUTPUT POWER

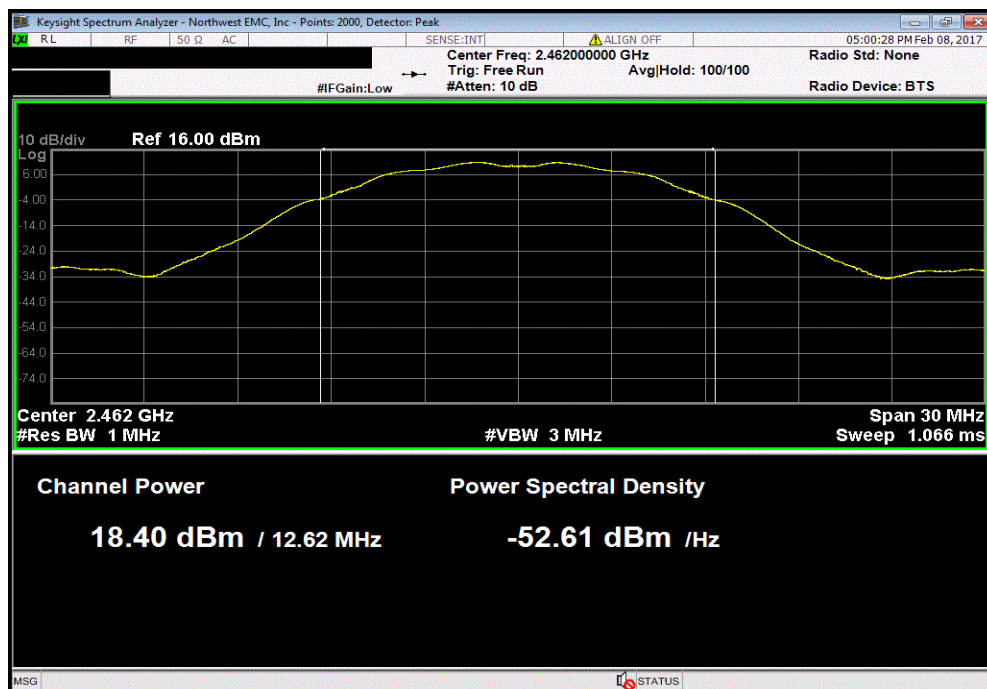


NweTx 2016.09.14.2 XMI 2017.01.28

Antenna A1, 2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, Mid Channel 6, 2437 MHz						
				Value	Limit	Result
				($<$)		
				18.365 dBm	30 dBm	Pass



Antenna A1, 2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, High Channel 11, 2462 MHz						
				Value	Limit	Result
				($<$)		
				18.397 dBm	30 dBm	Pass

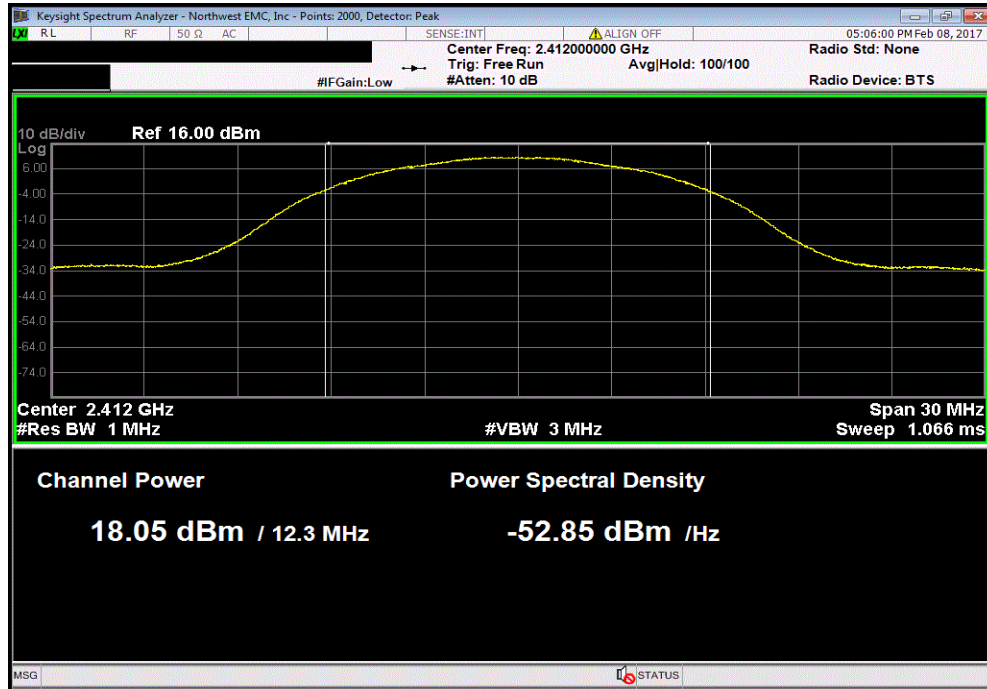


OUTPUT POWER

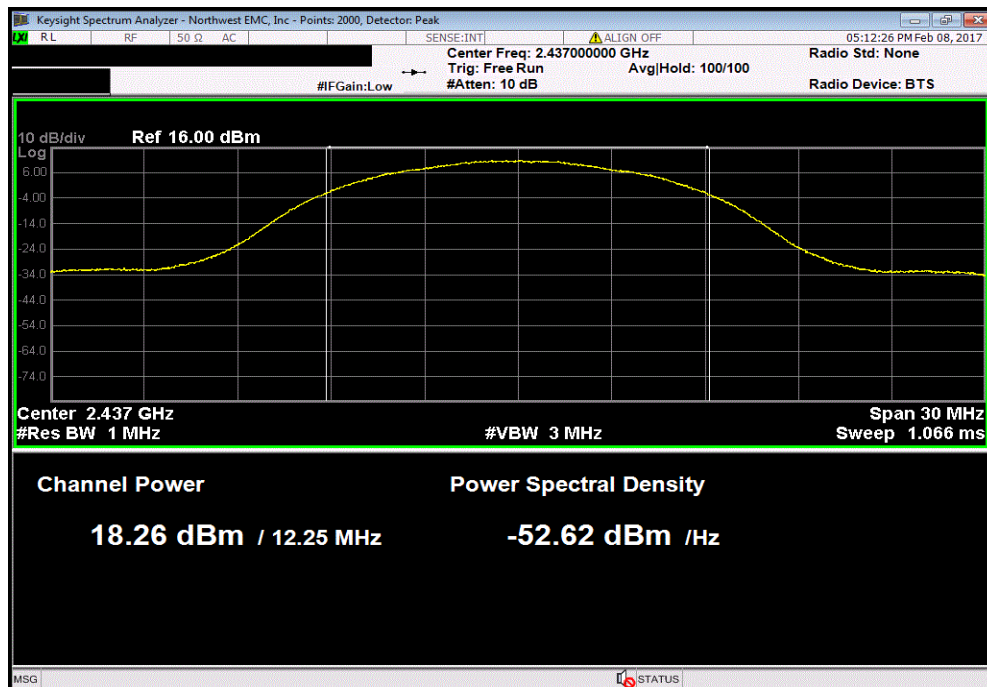


NweTx 2016.09.14.2 XMI 2017.01.28

Antenna A1, 2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, Low Channel 1, 2412 MHz						
	Value	Limit	Result			
		($<$)				
	18.054 dBm	30 dBm	Pass			



Antenna A1, 2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, Mid Channel 6, 2437 MHz						
	Value	Limit	Result			
		($<$)				
	18.26 dBm	30 dBm	Pass			



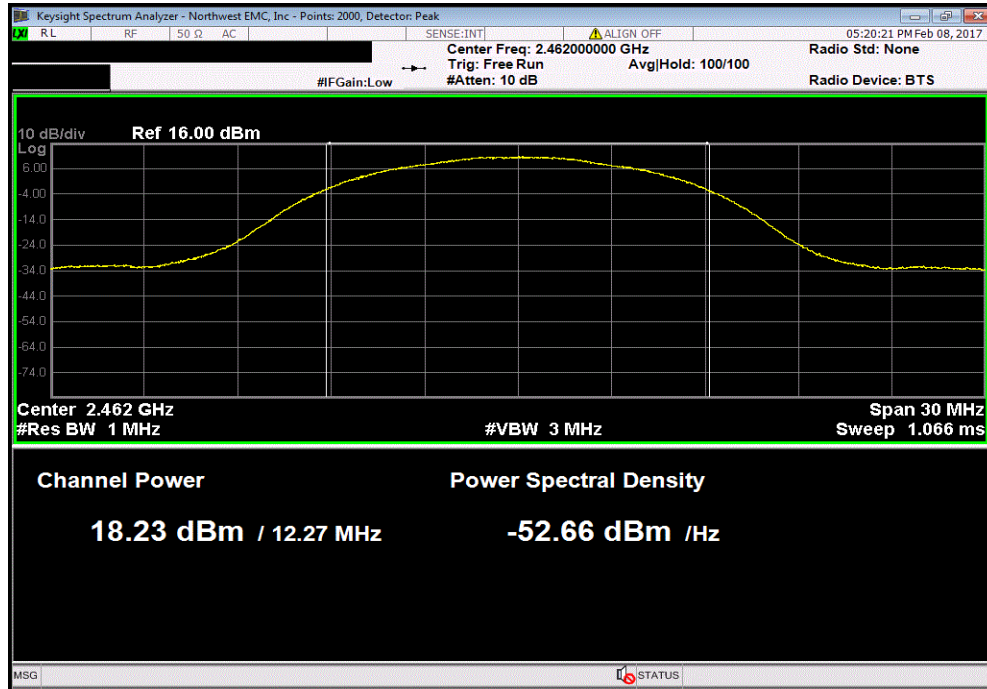
OUTPUT POWER



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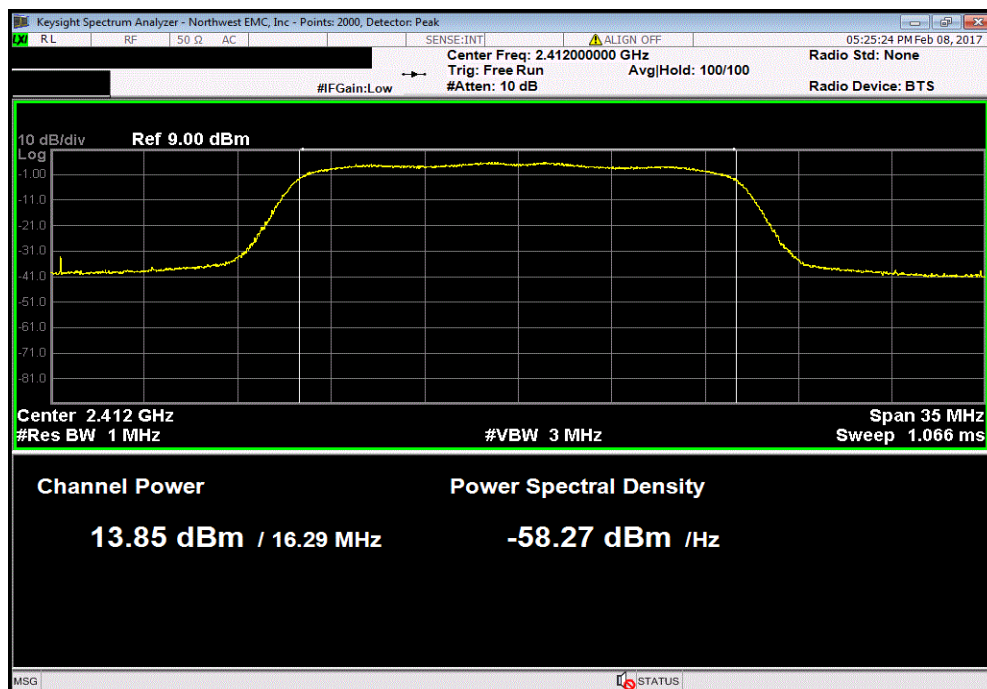
Antenna A1, 2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, High Channel 11, 2462 MHz

	Value	Limit	Result
	18.228 dBm	30 dBm	Pass



Antenna A1, 2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, Low Channel 1, 2412 MHz

	Value	Limit	Result
	13.852 dBm	30 dBm	Pass

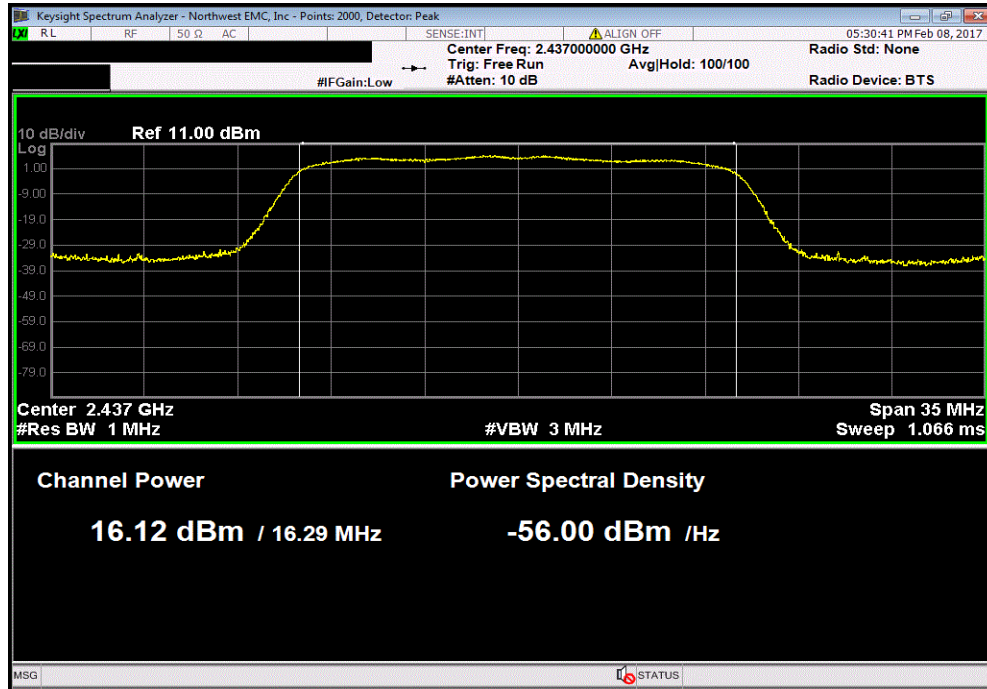


OUTPUT POWER

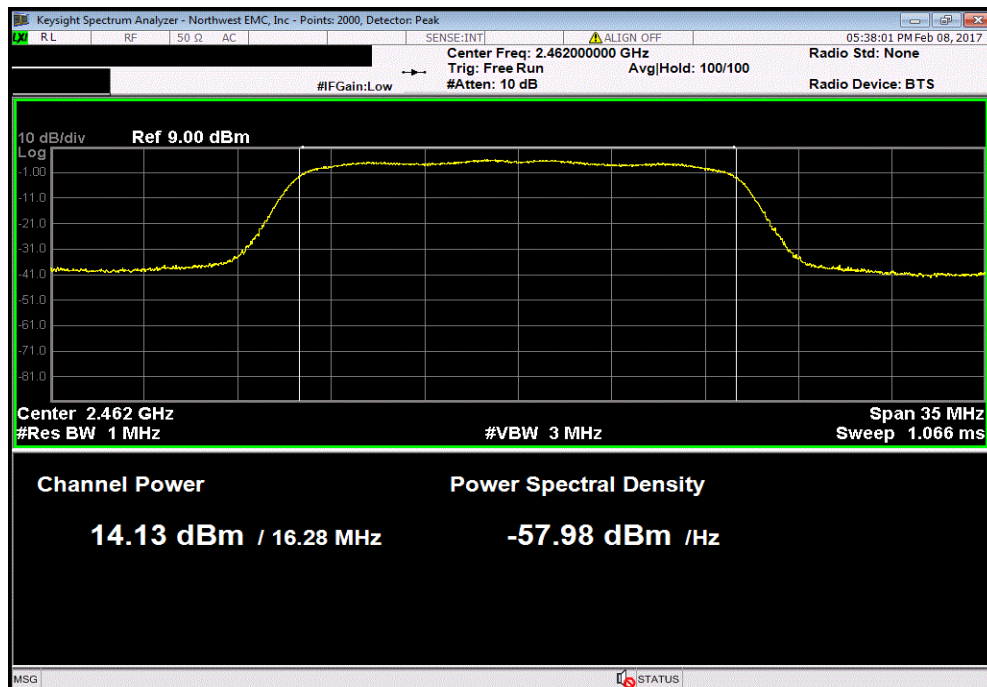


NweTx 2016.09.14.2 XMI 2017.01.28

Antenna A1, 2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, Mid Channel 6, 2437 MHz						
				Value	Limit	Result
				16.117 dBm	30 dBm	Pass



Antenna A1, 2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, High Channel 11, 2462 MHz						
				Value	Limit	Result
				14.134 dBm	30 dBm	Pass

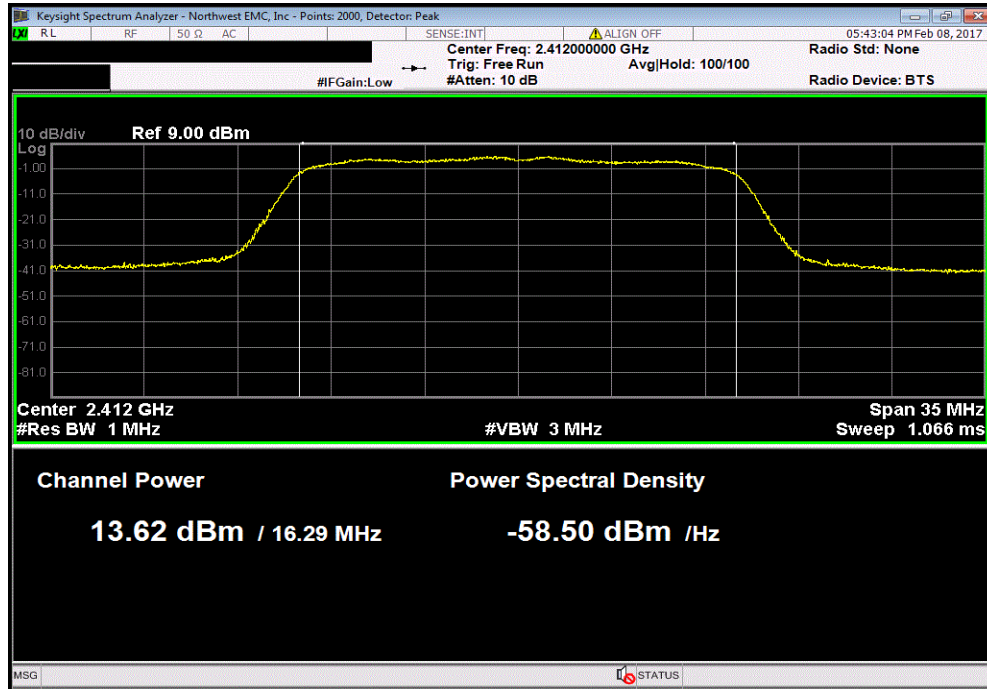


OUTPUT POWER

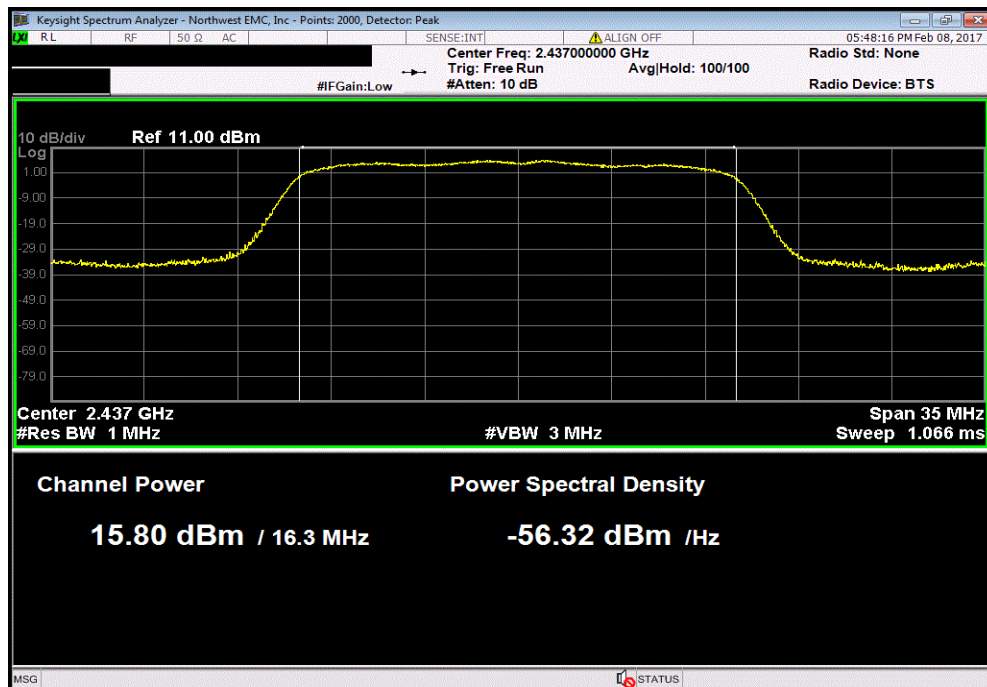


NweTx 2016.09.14.2 XMI 2017.01.26

Antenna A1, 2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, Low Channel 1, 2412 MHz						
				Value	Limit	Result
				13.623 dBm	30 dBm	Pass



Antenna A1, 2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, Mid Channel 6, 2437 MHz						
				Value	Limit	Result
				15.803 dBm	30 dBm	Pass



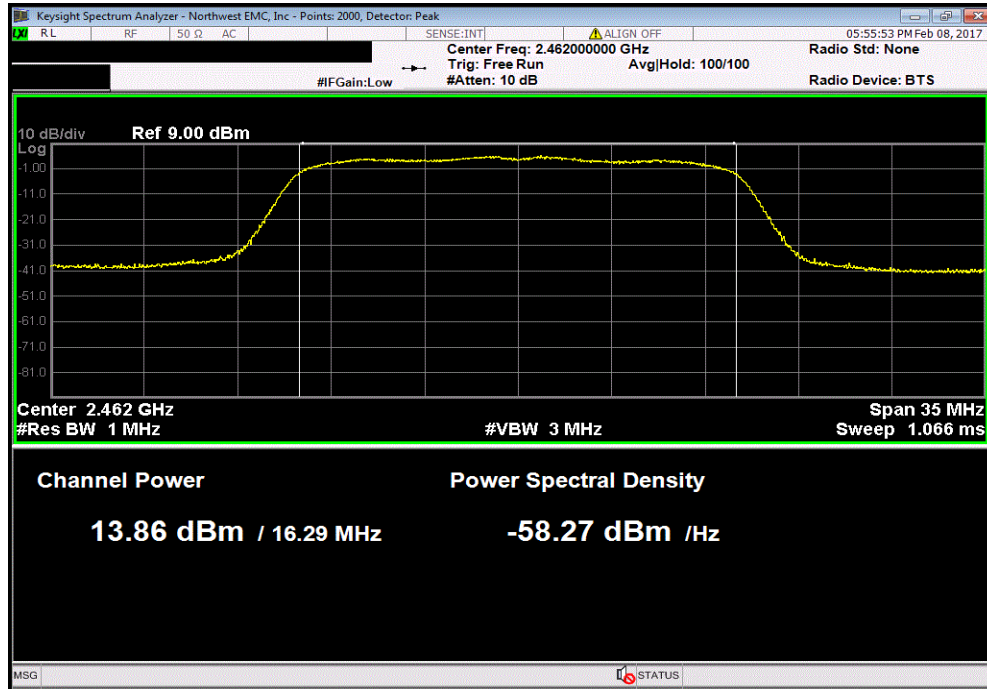
OUTPUT POWER



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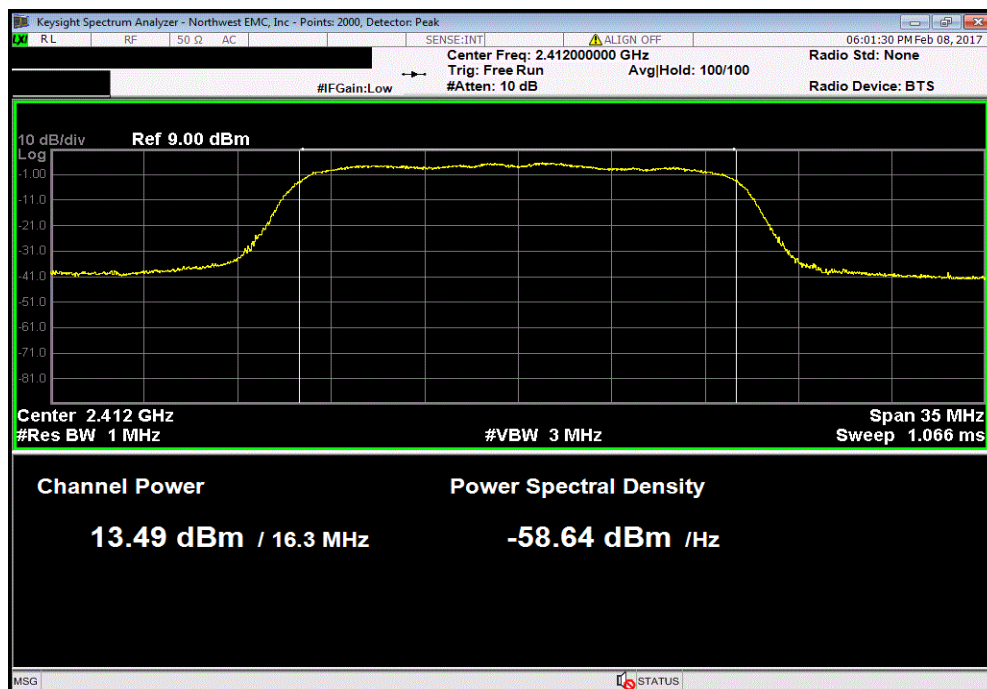
Antenna A1, 2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, High Channel 11, 2462 MHz

	Value	Limit	Result
	13.855 dBm	30 dBm	Pass



Antenna A1, 2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, Low Channel 1, 2412 MHz

	Value	Limit	Result
	13.486 dBm	30 dBm	Pass

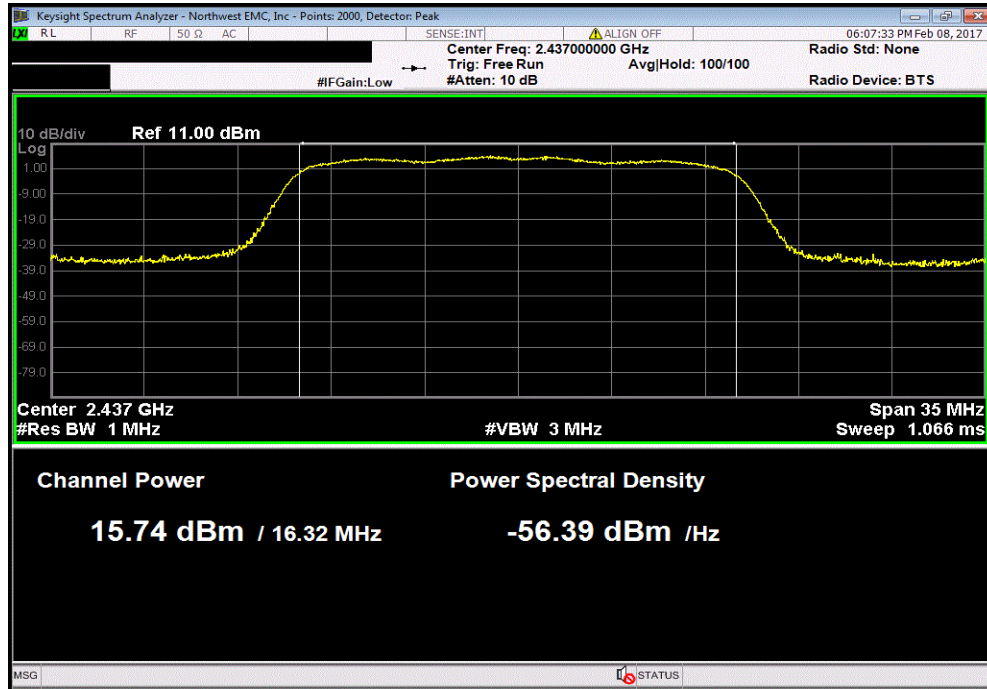


OUTPUT POWER

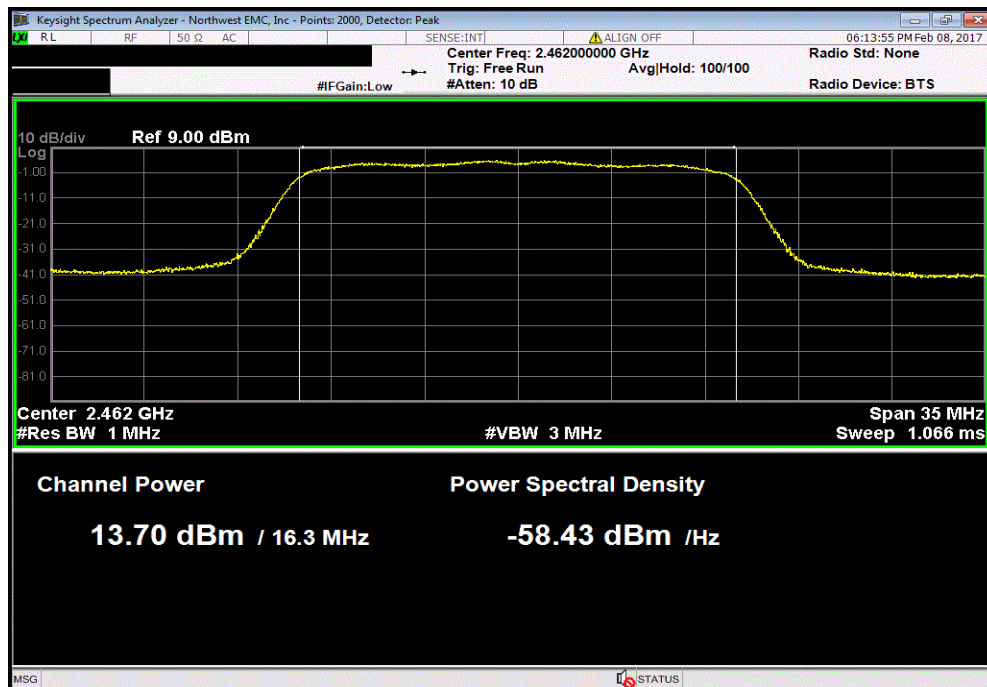


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Antenna A1, 2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, Mid Channel 6, 2437 MHz						
				Value	Limit	Result
				15.735 dBm	30 dBm	Pass



Antenna A1, 2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, High Channel 11, 2462 MHz						
				Value	Limit	Result
				13.696 dBm	30 dBm	Pass



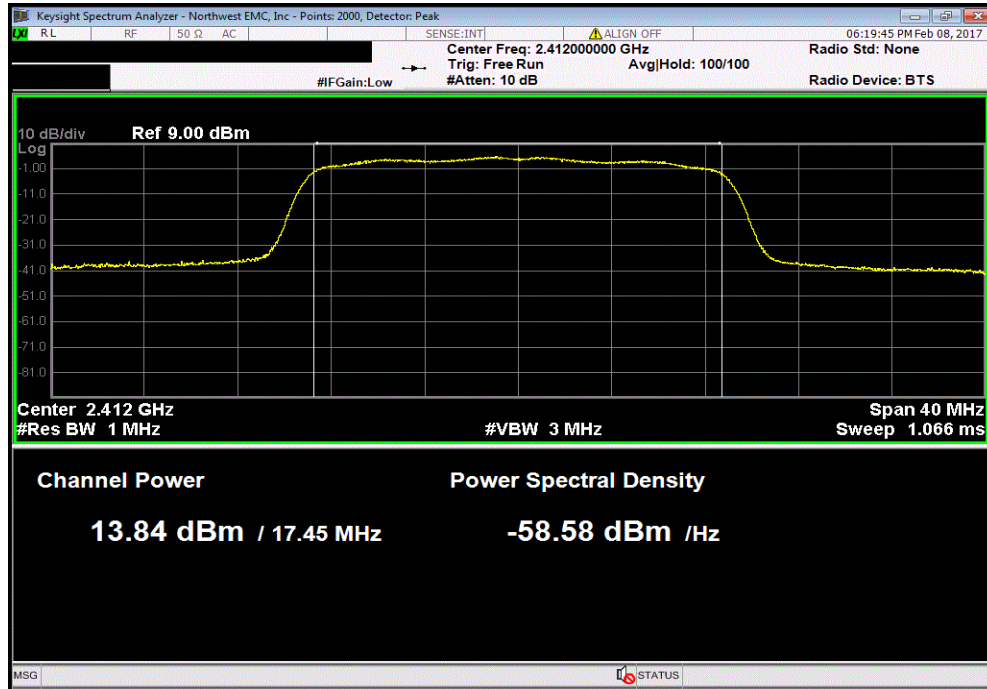
OUTPUT POWER



NweTx 2016.09.14.2 XMI 2017.01.28

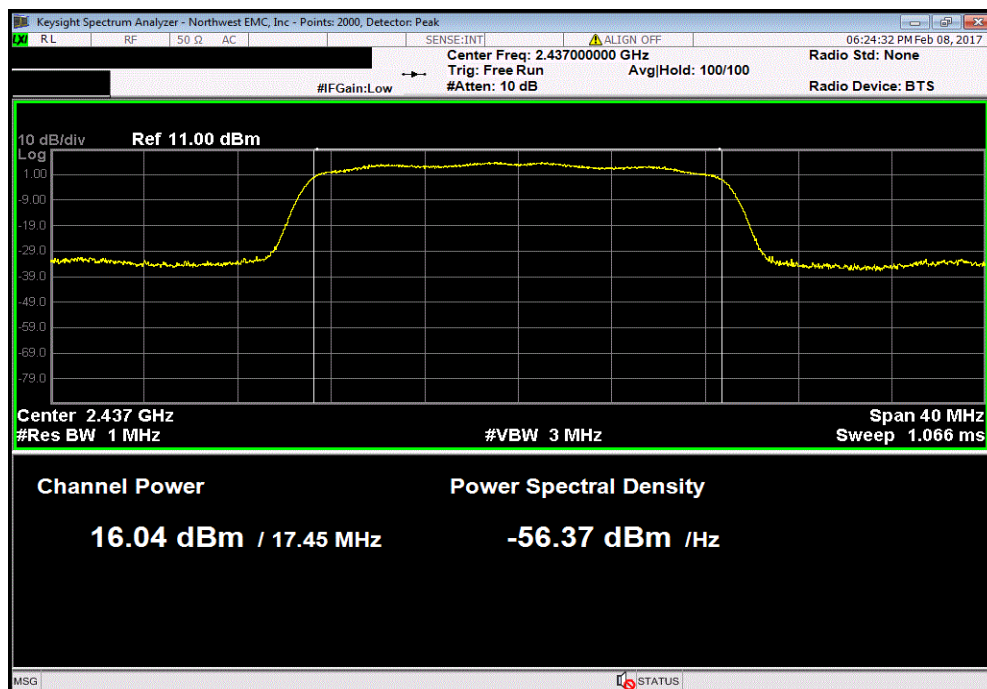
Antenna A1, 2400 MHz - 2483.5 MHz Band, 802.11(n) MCS0, Low Channel 1, 2412 MHz

	Value	Limit	Result
	13.838 dBm	30 dBm	Pass



Antenna A1, 2400 MHz - 2483.5 MHz Band, 802.11(n) MCS0, Mid Channel 6, 2437 MHz

	Value	Limit	Result
	16.043 dBm	30 dBm	Pass

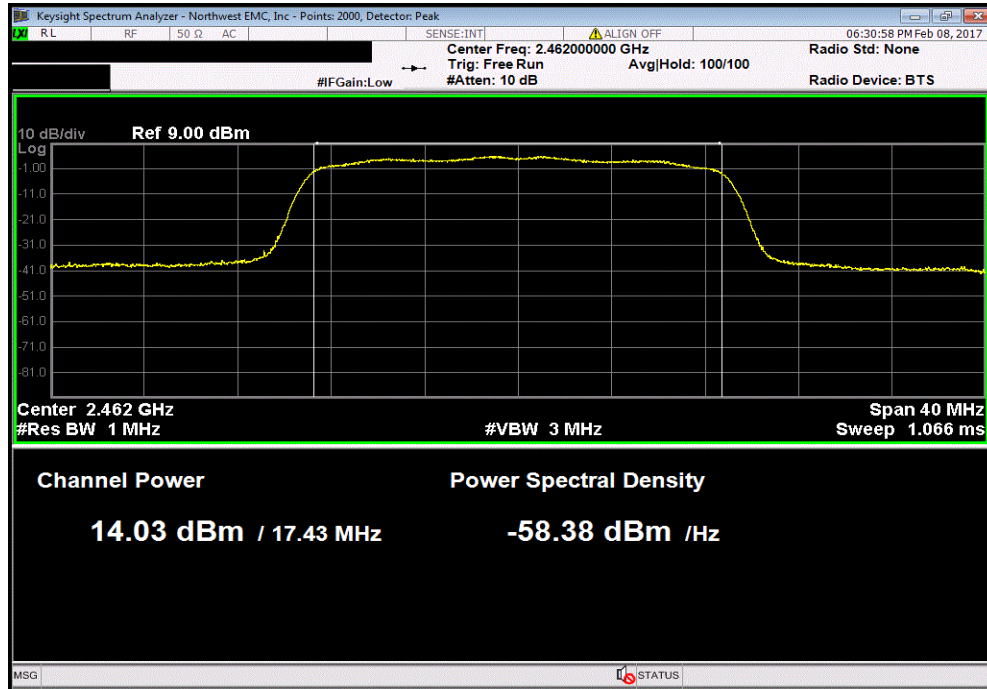


OUTPUT POWER

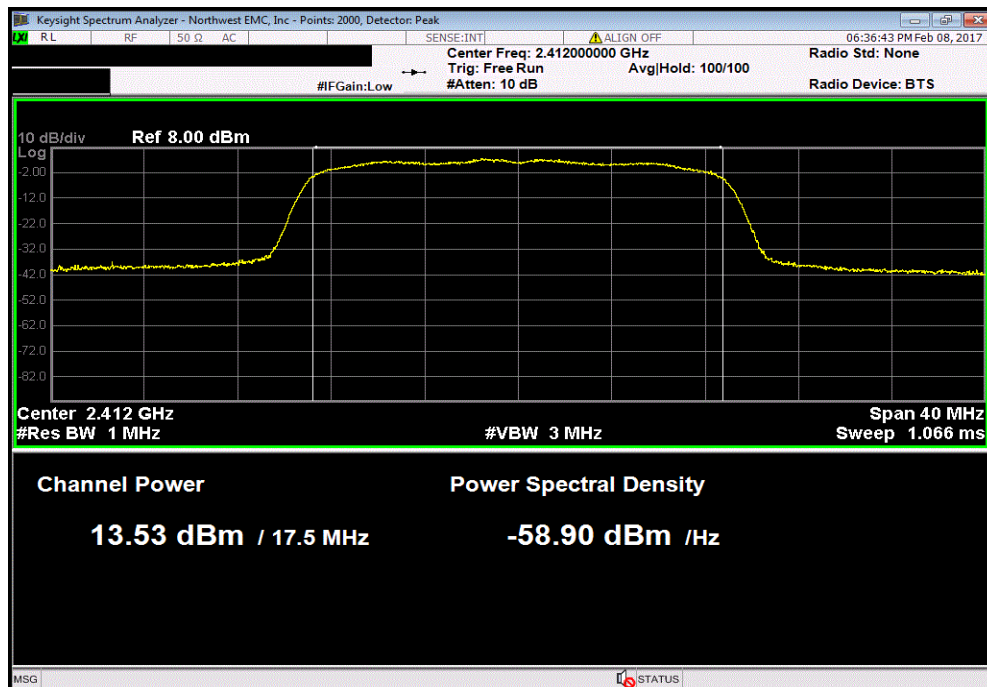


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Antenna A1, 2400 MHz - 2483.5 MHz Band, 802.11(n) MCS0, High Channel 11, 2462 MHz						
				Value	Limit	Result
				14.034 dBm	30 dBm	Pass



Antenna A1, 2400 MHz - 2483.5 MHz Band, 802.11(n) MCS7, Low Channel 1, 2412 MHz						
				Value	Limit	Result
				13.531 dBm	30 dBm	Pass

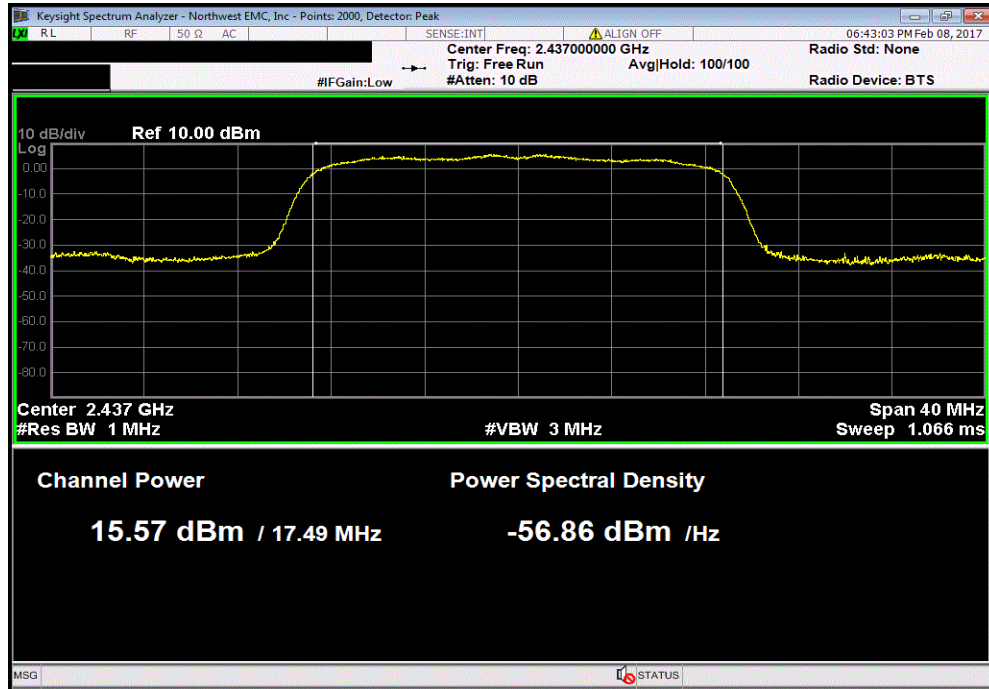


OUTPUT POWER



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Antenna A1, 2400 MHz - 2483.5 MHz Band, 802.11(n) MCS7, Mid Channel 6, 2437 MHz						
				Value	Limit	Result
				15.571 dBm	30 dBm	Pass



Antenna A1, 2400 MHz - 2483.5 MHz Band, 802.11(n) MCS7, High Channel 11, 2462 MHz						
				Value	Limit	Result
				13.565 dBm	30 dBm	Pass

