

OCCUPIED BANDWIDTH

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.	Interval (mo)
Attenuator - 20db, 'SMA'	SM Electronics	SA26B-20	RFW	4/3/2014	12
40 GHz DC block	Fairview Microwave	SD3379	AMI	9/26/2013	12
Signal Generator MXG	Agilent	N5183A	TIK	6/7/2012	36
Spectrum Analyzer	Agilent	E4440A	AAX	4/28/2014	12

TEST DESCRIPTION

The 6dB occupied bandwidth was measured using 100 kHz resolution bandwidth and 300 kHz video bandwidth. The 99.9% (approximate 26 dB) emission bandwidth (EBW) was also measured at the same time.

The EUT was set to low, medium and high transmit frequencies. The measurement was made using a direct connection between the RF output of the EUT and the spectrum analyzer. The EUT was transmitting at the data rate(s) listed in the datasheet.



OCCUPIED BANDWIDTH

XMit 2014.02.07
NweTx 2014.07.18.3

EUT: ConnectCore6 (i.MX6)	Work Order: ETHE0008
Serial Number: 00409D7B8CA2	Date: 08/22/14
Customer: Etherios Design Solutions	Temperature: 23°C
Attendees: None	Humidity: 59%
Project: None	Barometric Pres.: 1016.5
Tested by: Trevor Buls	Power: 5.0VDC
	Job Site: MN08

TEST SPECIFICATIONS	Test Method
FCC 15.247:2014	ANSI C63.10:2009

COMMENTS
None

DEVIATIONS FROM TEST STANDARD
None

Configuration #	1	Signature <i>Trevor Buls</i>
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	Value	Limit (>)	Result
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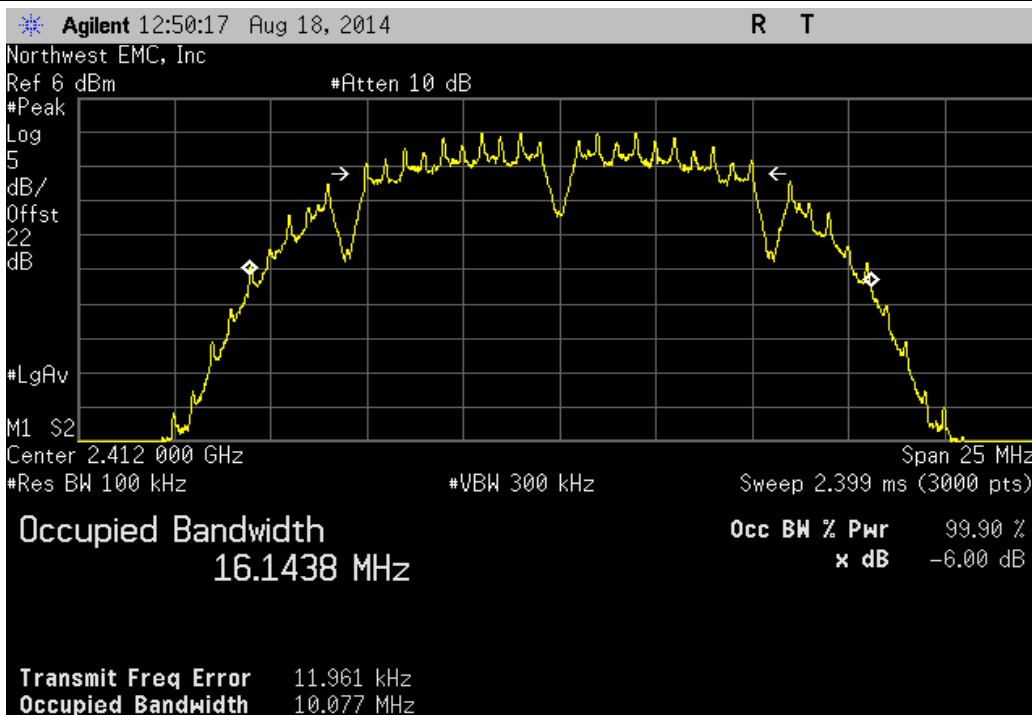
Port 1			
802.11(b) 1 Mbps			
Low Channel 1, 2412 MHz	10.077 MHz	500 kHz	Pass
Mid Channel 6, 2437 MHz	10.086 MHz	500 kHz	Pass
High Channel 11, 2462 MHz	10.088 MHz	500 kHz	Pass
802.11(b) 11 Mbps			
Low Channel 1, 2412 MHz	10.766 MHz	500 kHz	Pass
Mid Channel 6, 2437 MHz	10.235 MHz	500 kHz	Pass
High Channel 11, 2462 MHz	9.953 MHz	500 kHz	Pass
802.11(g) 6 Mbps			
Low Channel 1, 2412 MHz	16.554 MHz	500 kHz	Pass
Mid Channel 6, 2437 MHz	16.579 MHz	500 kHz	Pass
High Channel 11, 2462 MHz	16.556 MHz	500 kHz	Pass
802.11(g) 36 Mbps			
Low Channel 1, 2412 MHz	16.482 MHz	500 kHz	Pass
Mid Channel 6, 2437 MHz	16.473 MHz	500 kHz	Pass
High Channel 11, 2462 MHz	16.502 MHz	500 kHz	Pass
802.11(g) 54 Mbps			
Low Channel 1, 2412 MHz	16.514 MHz	500 kHz	Pass
Mid Channel 6, 2437 MHz	16.482 MHz	500 kHz	Pass
High Channel 11, 2462 MHz	16.511 MHz	500 kHz	Pass
802.11(n) MCS0			
Low Channel 1, 2412 MHz	17.714 MHz	500 kHz	Pass
Mid Channel 6, 2437 MHz	17.681 MHz	500 kHz	Pass
High Channel 11, 2462 MHz	17.751 MHz	500 kHz	Pass
802.11(n) MCS7			
Low Channel 1, 2412 MHz	17.737 MHz	500 kHz	Pass
Mid Channel 6, 2437 MHz	17.748 MHz	500 kHz	Pass
High Channel 11, 2462 MHz	17.746 MHz	500 kHz	Pass
802.11(a) 6 Mbps			
Low Channel 149, 5745 MHz	16.471 MHz	500 kHz	Pass
Mid Channel 157, 5785 MHz	16.425 MHz	500 kHz	Pass
High Channel 165, 5825 MHz	16.455 MHz	500 kHz	Pass
802.11(a) 36 Mbps			
Low Channel 149, 5745 MHz	16.45 MHz	500 kHz	Pass
Mid Channel 157, 5785 MHz	16.468 MHz	500 kHz	Pass
High Channel 165, 5825 MHz	16.434 MHz	500 kHz	Pass
802.11(a) 54 Mbps			
Low Channel 149, 5745 MHz	16.508 MHz	500 kHz	Pass
Mid Channel 157, 5785 MHz	16.452 MHz	500 kHz	Pass
High Channel 165, 5825 MHz	16.416 MHz	500 kHz	Pass
802.11(n) MCS0 - UNII			
Low Channel 149, 5745 MHz	17.679 MHz	500 kHz	Pass
Mid Channel 157, 5785 MHz	17.658 MHz	500 kHz	Pass
High Channel 165, 5825 MHz	17.648 MHz	500 kHz	Pass
802.11(n) MCS7 - UNII			
Low Channel 149, 5745 MHz	17.687 MHz	500 kHz	Pass
Mid Channel 157, 5785 MHz	17.614 MHz	500 kHz	Pass
High Channel 165, 5825 MHz	17.658 MHz	500 kHz	Pass

Port 2			
802.11(b) 1 Mbps			
Low Channel 1, 2412 MHz	9.84 MHz	500 kHz	Pass
Mid Channel 6, 2437 MHz	10.073 MHz	500 kHz	Pass
High Channel 11, 2462 MHz	9.783 MHz	500 kHz	Pass
802.11(b) 11 Mbps			
Low Channel 1, 2412 MHz	10.296 MHz	500 kHz	Pass
Mid Channel 6, 2437 MHz	9.815 MHz	500 kHz	Pass
High Channel 11, 2462 MHz	9.993 MHz	500 kHz	Pass
802.11(g) 6 Mbps			
Low Channel 1, 2412 MHz	16.557 MHz	500 kHz	Pass
Mid Channel 6, 2437 MHz	16.559 MHz	500 kHz	Pass
High Channel 11, 2462 MHz	16.551 MHz	500 kHz	Pass
802.11(g) 36 Mbps			
Low Channel 1, 2412 MHz	16.506 MHz	500 kHz	Pass
Mid Channel 6, 2437 MHz	16.485 MHz	500 kHz	Pass
High Channel 11, 2462 MHz	16.49 MHz	500 kHz	Pass
802.11(g) 54 Mbps			
Low Channel 1, 2412 MHz	16.507 MHz	500 kHz	Pass
Mid Channel 6, 2437 MHz	16.498 MHz	500 kHz	Pass
High Channel 11, 2462 MHz	16.499 MHz	500 kHz	Pass
802.11(n) MCS0			
Low Channel 1, 2412 MHz	17.695 MHz	500 kHz	Pass
Mid Channel 6, 2437 MHz	17.734 MHz	500 kHz	Pass
High Channel 11, 2462 MHz	17.699 MHz	500 kHz	Pass

802.11(n) MCS7				
Low Channel 1, 2412 MHz	17.702 MHz	500 kHz	Pass	
Mid Channel 6, 2437 MHz	17.763 MHz	500 kHz	Pass	
High Channel 11, 2462 MHz	17.754 MHz	500 kHz	Pass	
802.11(a) 6 Mbps				
Low Channel 149, 5745 MHz	16.499 MHz	500 kHz	Pass	
Mid Channel 157, 5785 MHz	16.472 MHz	500 kHz	Pass	
High Channel 165, 5825 MHz	16.433 MHz	500 kHz	Pass	
802.11(a) 36 Mbps				
Low Channel 149, 5745 MHz	16.417 MHz	500 kHz	Pass	
Mid Channel 157, 5785 MHz	16.433 MHz	500 kHz	Pass	
High Channel 165, 5825 MHz	16.388 MHz	500 kHz	Pass	
802.11(a) 54 Mbps				
Low Channel 149, 5745 MHz	16.475 MHz	500 kHz	Pass	
Mid Channel 157, 5785 MHz	16.421 MHz	500 kHz	Pass	
High Channel 165, 5825 MHz	16.417 MHz	500 kHz	Pass	
802.11(n) MCS0 - UNII				
Low Channel 149, 5745 MHz	17.667 MHz	500 kHz	Pass	
Mid Channel 157, 5785 MHz	17.694 MHz	500 kHz	Pass	
High Channel 165, 5825 MHz	17.654 MHz	500 kHz	Pass	
802.11(n) MCS7 - UNII				
Low Channel 149, 5745 MHz	17.694 MHz	500 kHz	Pass	
Mid Channel 157, 5785 MHz	17.653 MHz	500 kHz	Pass	
High Channel 165, 5825 MHz	17.668 MHz	500 kHz	Pass	

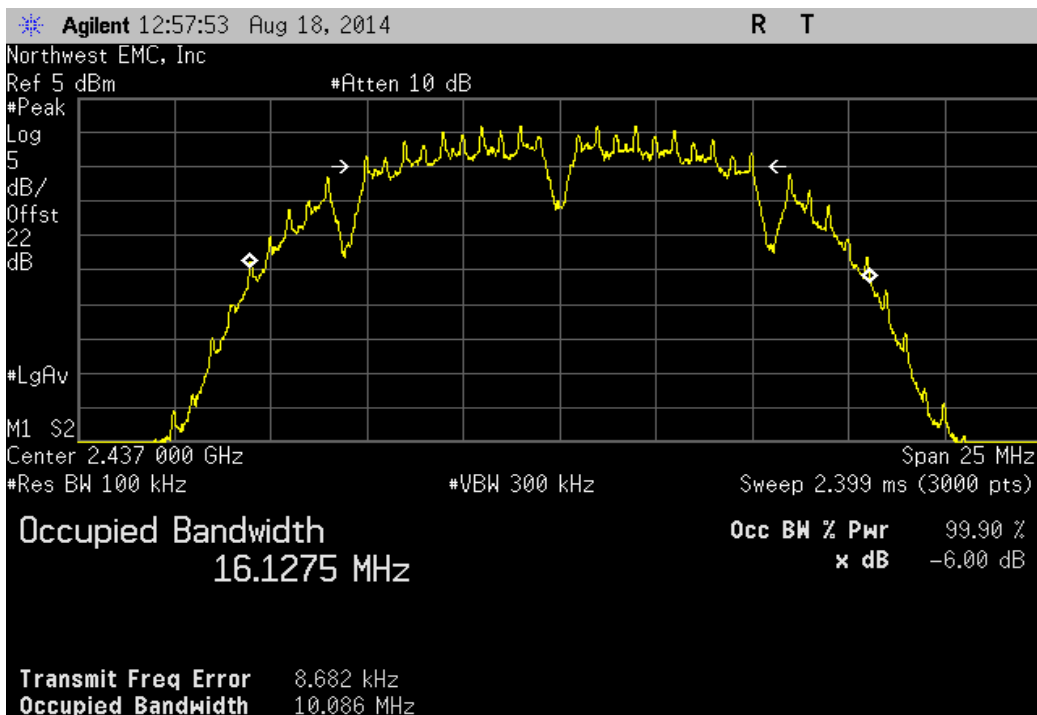
Port 1, 802.11(b) 1 Mbps, Low Channel 1, 2412 MHz

				Value	Limit (>)	Result
				10.077 MHz	500 kHz	Pass



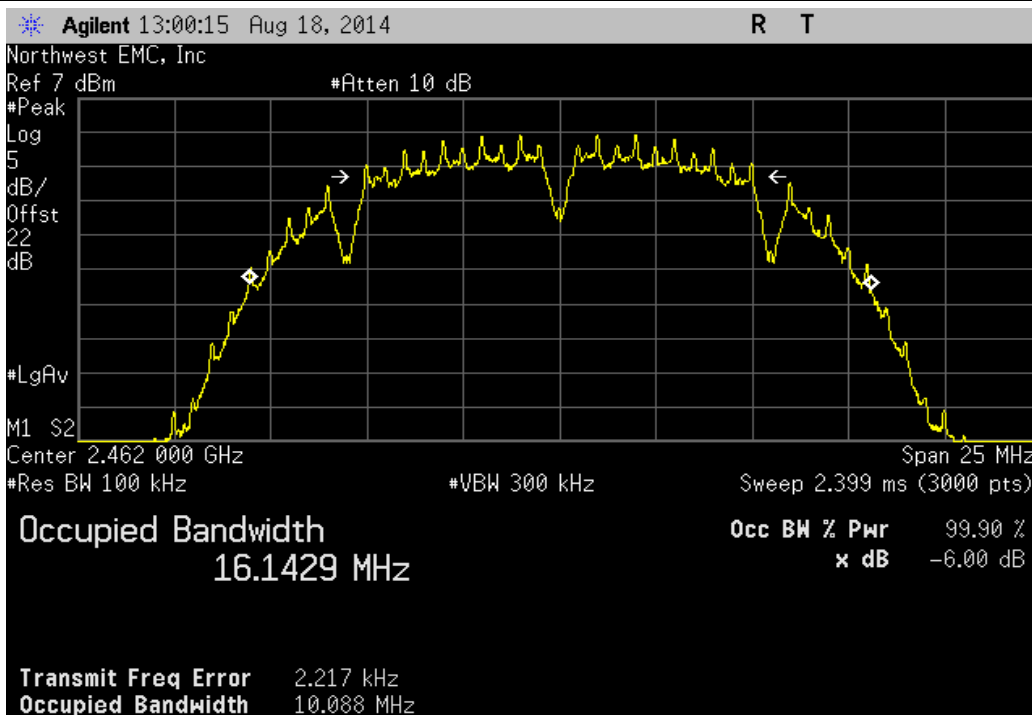
Port 1, 802.11(b) 1 Mbps, Mid Channel 6, 2437 MHz

				Value	Limit (>)	Result
				10.086 MHz	500 kHz	Pass



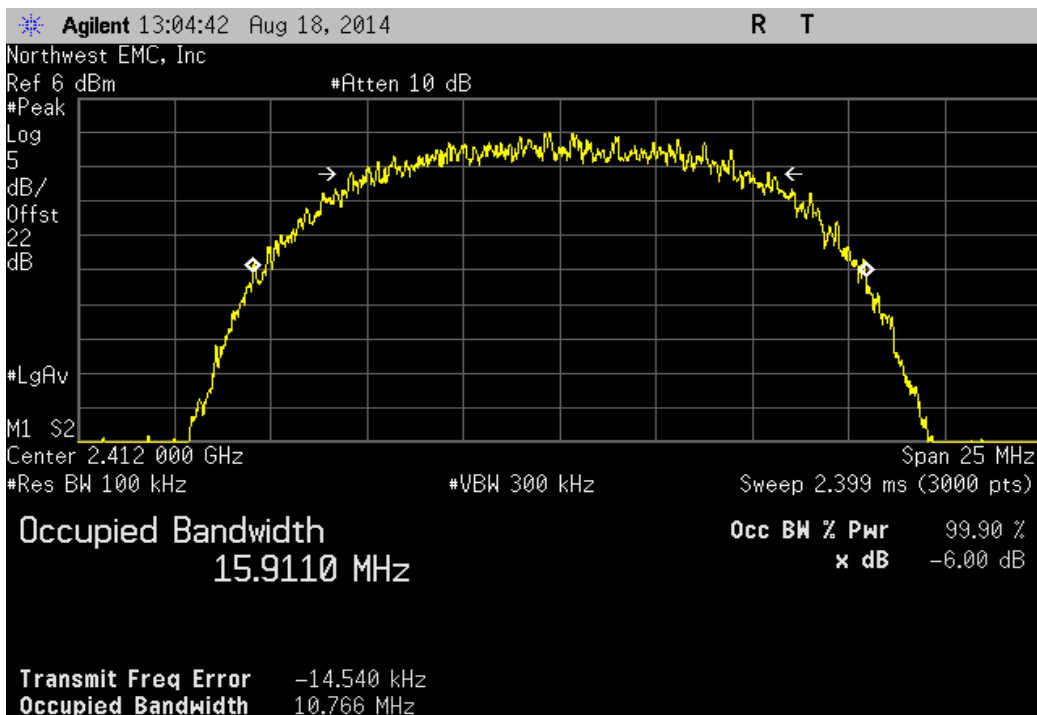
Port 1, 802.11(b) 1 Mbps, High Channel 11, 2462 MHz

				Value	Limit (>)	Result
				10.088 MHz	500 kHz	Pass



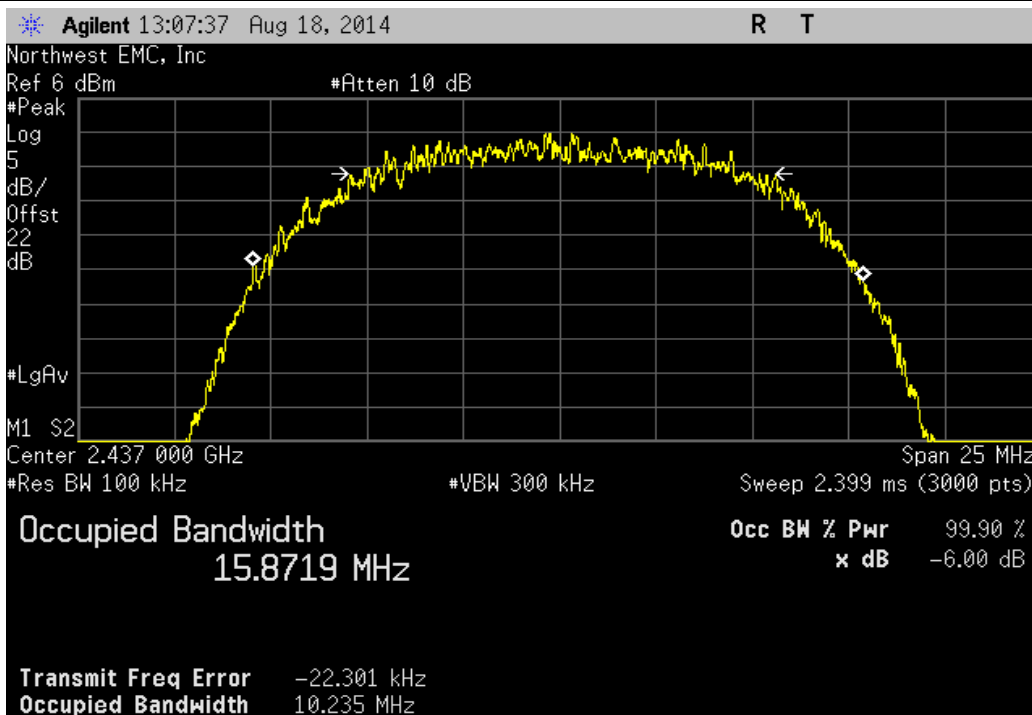
Port 1, 802.11(b) 11 Mbps, Low Channel 1, 2412 MHz

				Value	Limit (>)	Result
				10.766 MHz	500 kHz	Pass



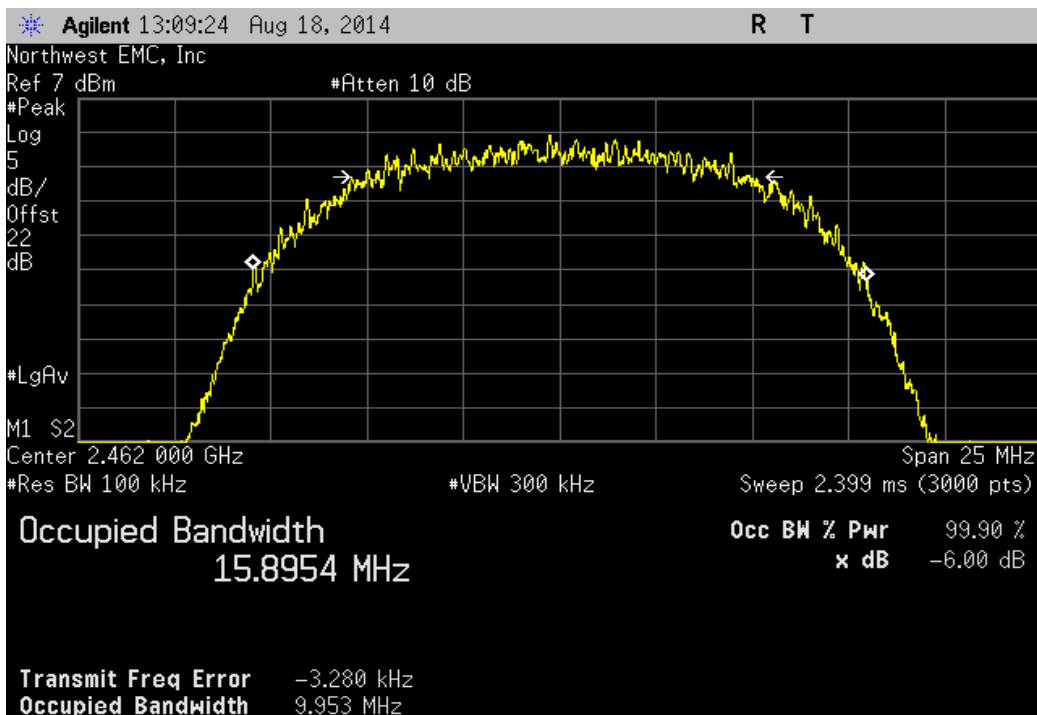
Port 1, 802.11(b) 11 Mbps, Mid Channel 6, 2437 MHz

				Value	Limit (>)	Result
				10.235 MHz	500 kHz	Pass



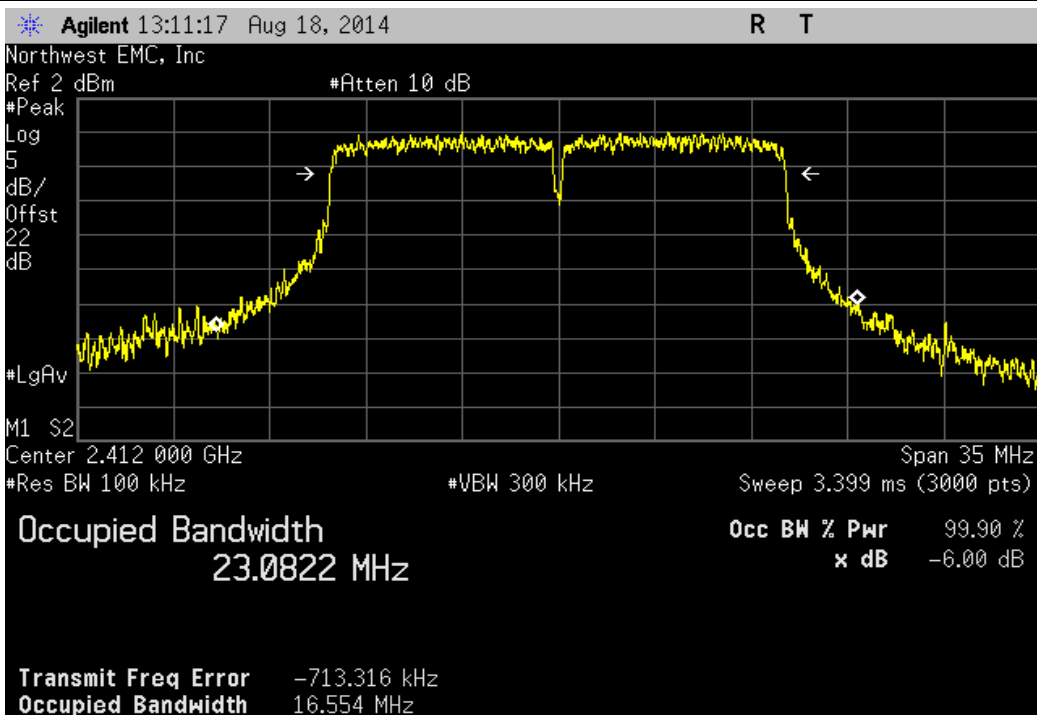
Port 1, 802.11(b) 11 Mbps, High Channel 11, 2462 MHz

				Value	Limit (>)	Result
				9.953 MHz	500 kHz	Pass



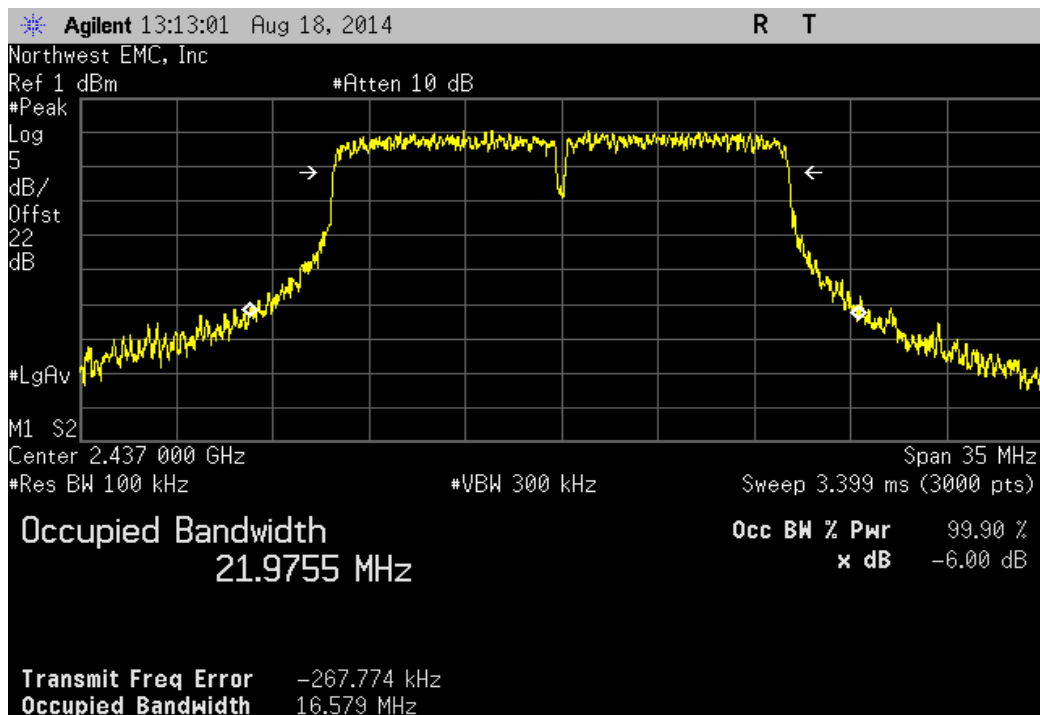
Port 1, 802.11(g) 6 Mbps, Low Channel 1, 2412 MHz

Value	Limit (>)	Result
16.554 MHz	500 kHz	Pass



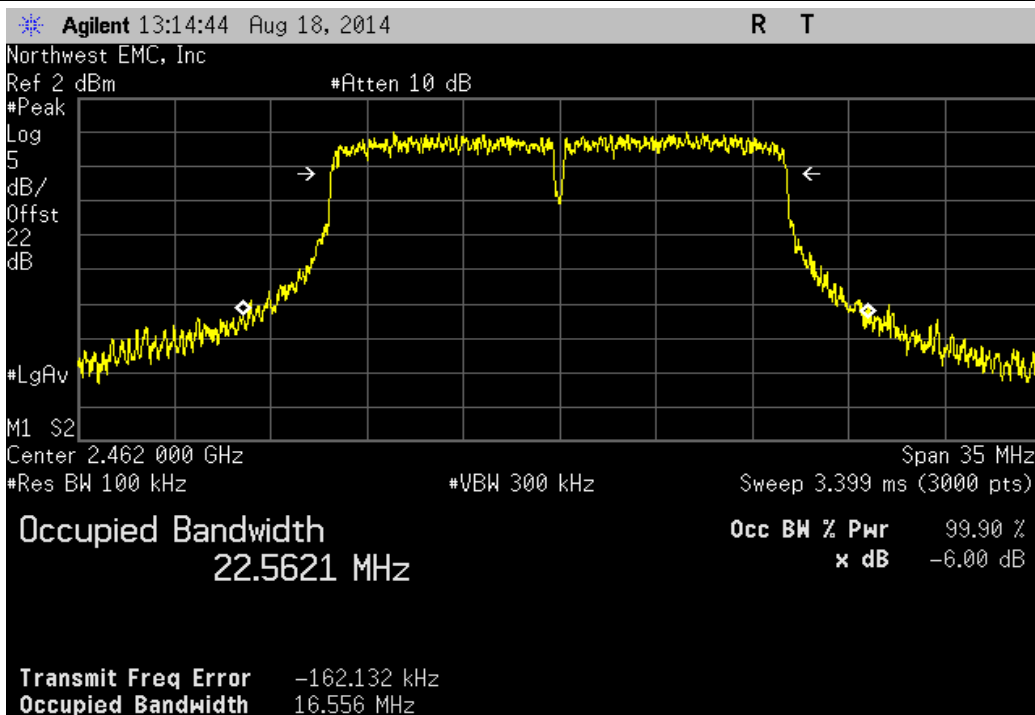
Port 1, 802.11(g) 6 Mbps, Mid Channel 6, 2437 MHz

Value	Limit (>)	Result
16.579 MHz	500 kHz	Pass



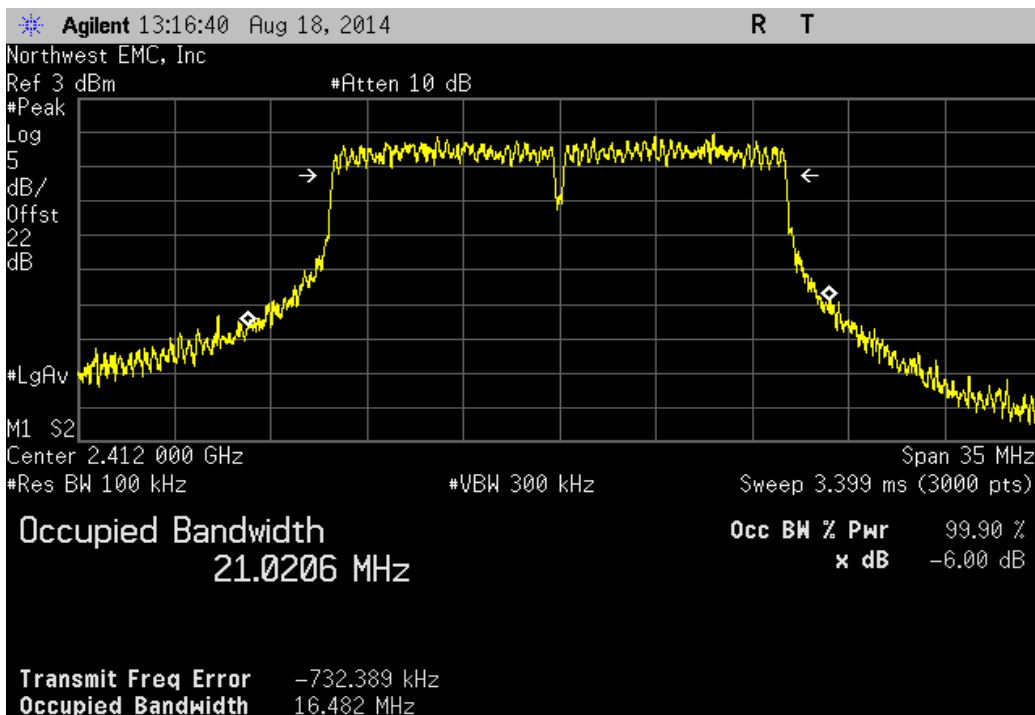
Port 1, 802.11(g) 6 Mbps, High Channel 11, 2462 MHz

				Value	Limit (>)	Result
				16.556 MHz	500 kHz	Pass



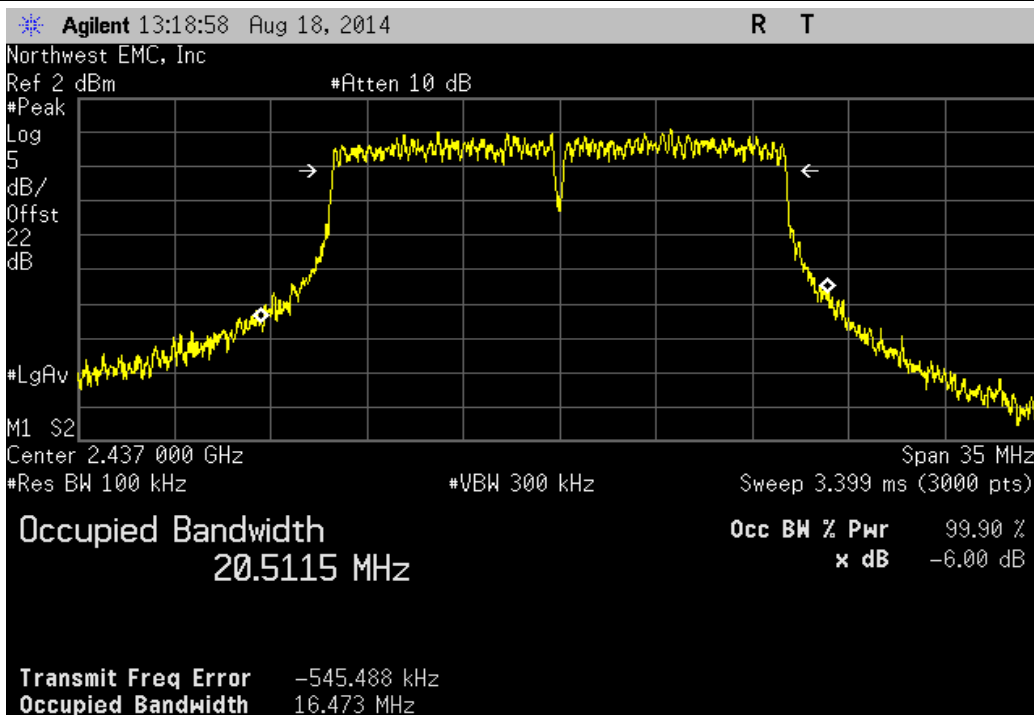
Port 1, 802.11(g) 36 Mbps, Low Channel 1, 2412 MHz

				Value	Limit (>)	Result
				16.482 MHz	500 kHz	Pass



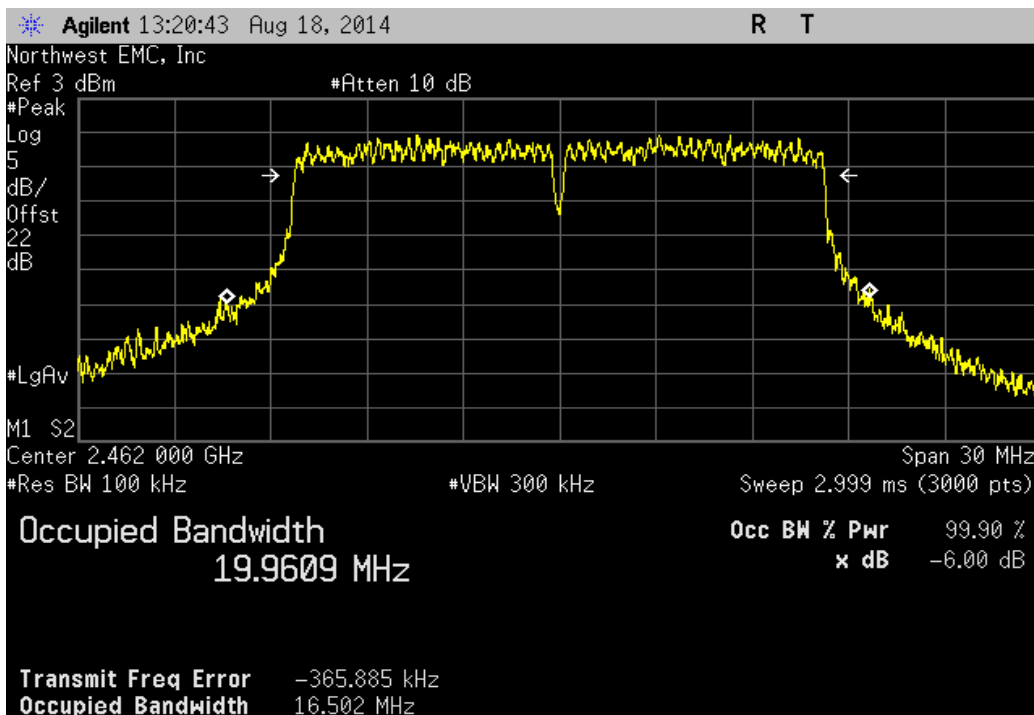
Port 1, 802.11(g) 36 Mbps, Mid Channel 6, 2437 MHz

				Value	Limit (>)	Result
				16.473 MHz	500 kHz	Pass



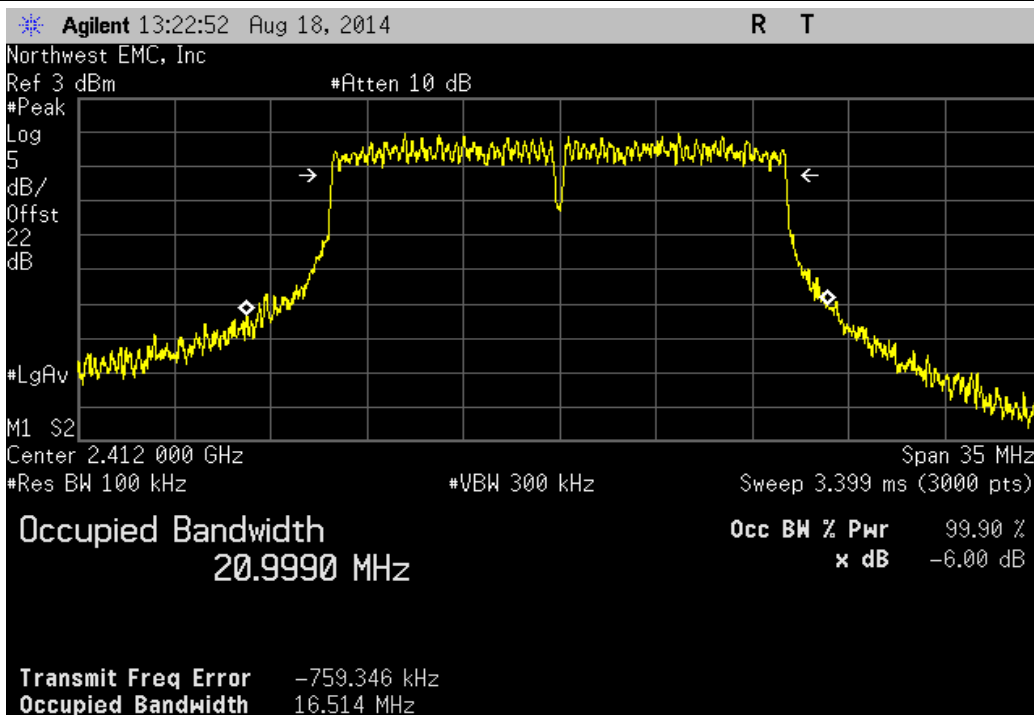
Port 1, 802.11(g) 36 Mbps, High Channel 11, 2462 MHz

				Value	Limit (>)	Result
				16.502 MHz	500 kHz	Pass



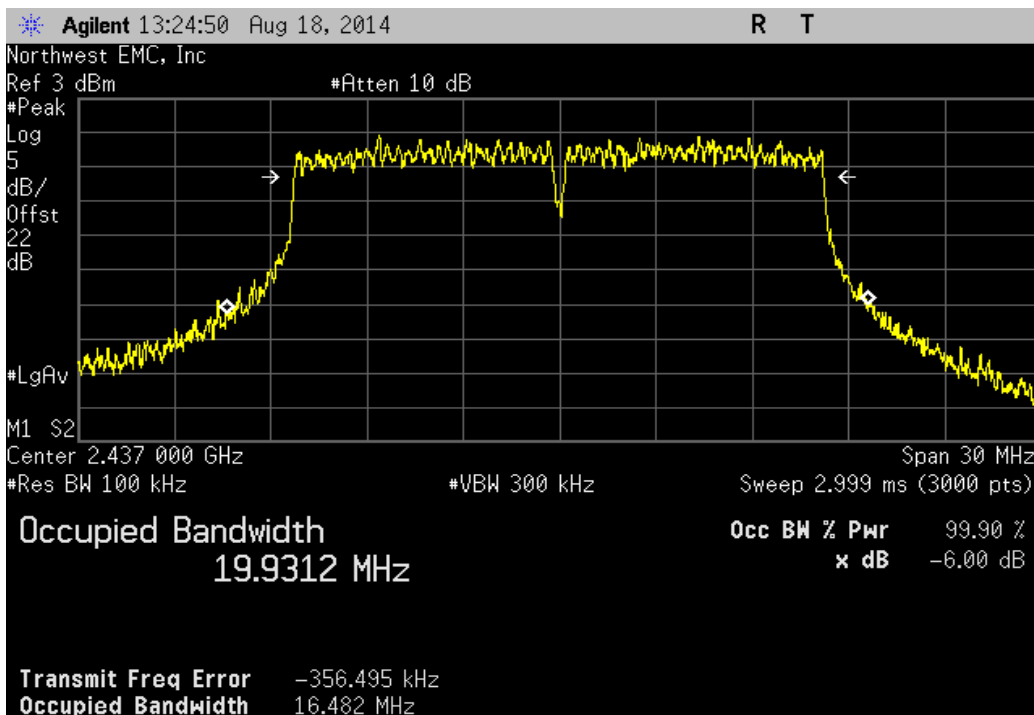
Port 1, 802.11(g) 54 Mbps, Low Channel 1, 2412 MHz

	Value	Limit (>)	Result
	16.514 MHz	500 kHz	Pass



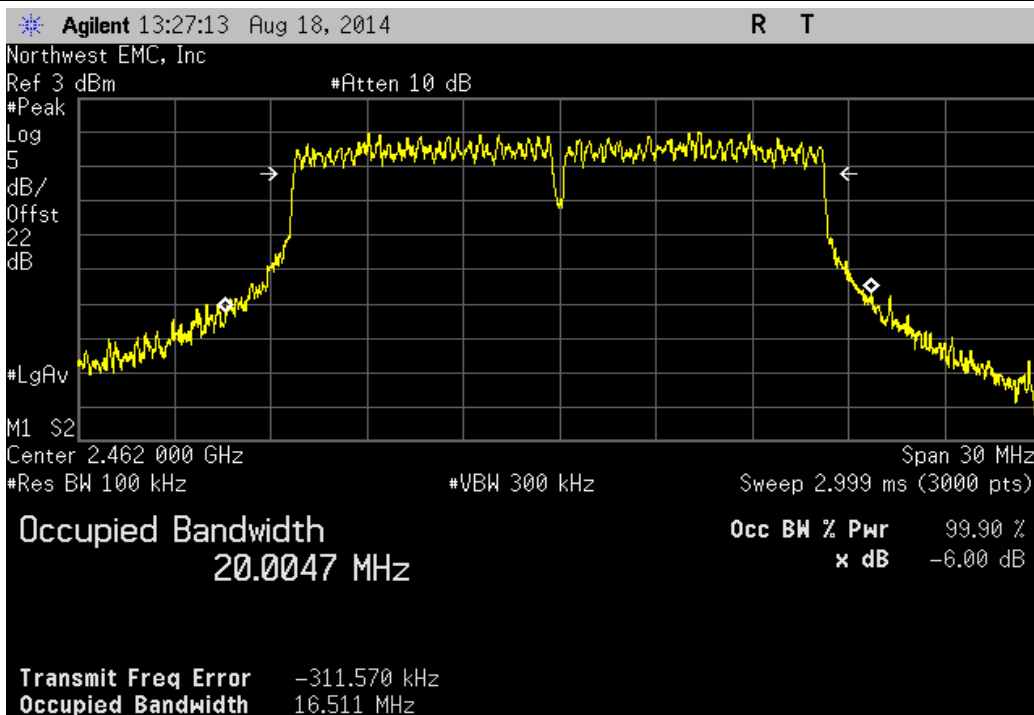
Port 1, 802.11(g) 54 Mbps, Mid Channel 6, 2437 MHz

	Value	Limit (>)	Result
	16.482 MHz	500 kHz	Pass



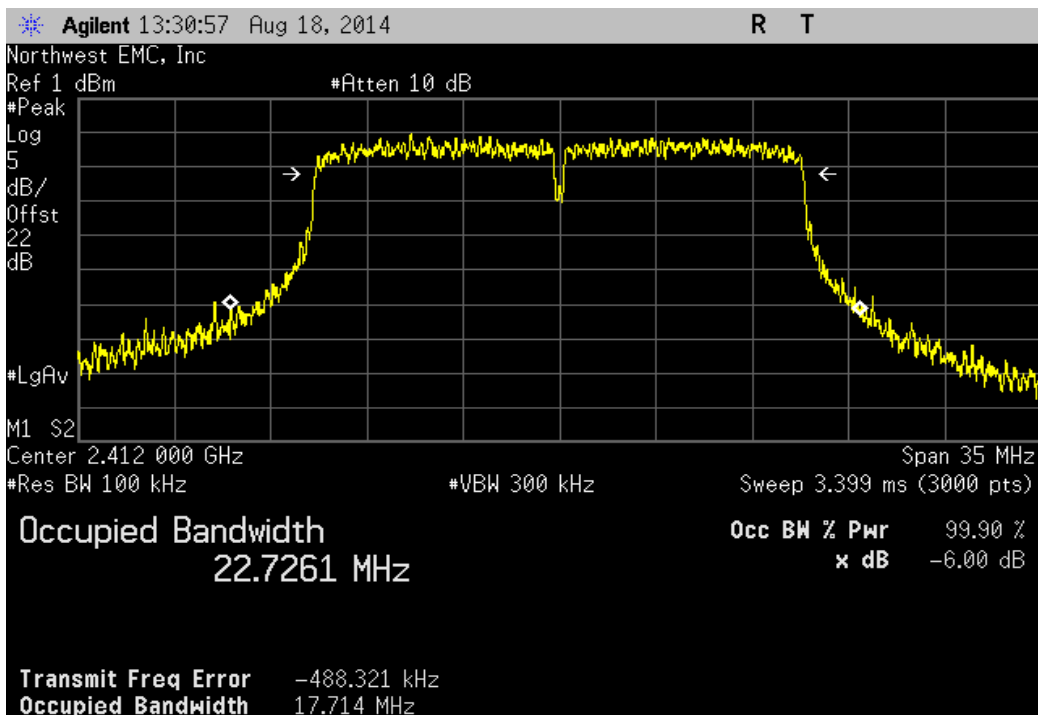
Port 1, 802.11(g) 54 Mbps, High Channel 11, 2462 MHz

Value	Limit (>)	Result
16.511 MHz	500 kHz	Pass



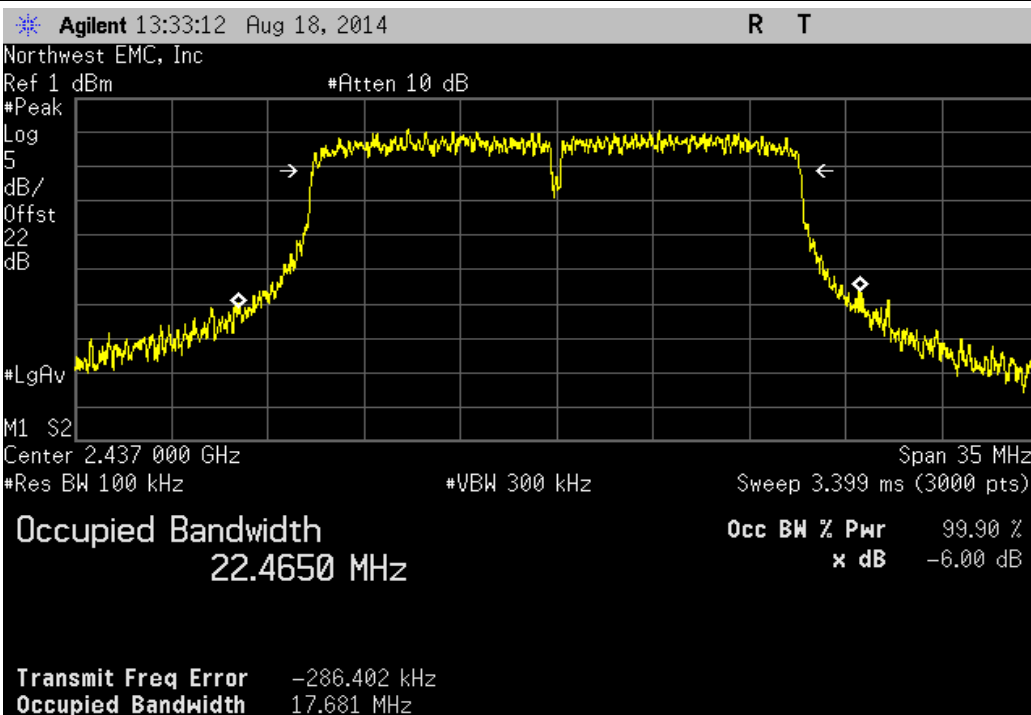
Port 1, 802.11(n) MCS0, Low Channel 1, 2412 MHz

Value	Limit (>)	Result
17.714 MHz	500 kHz	Pass



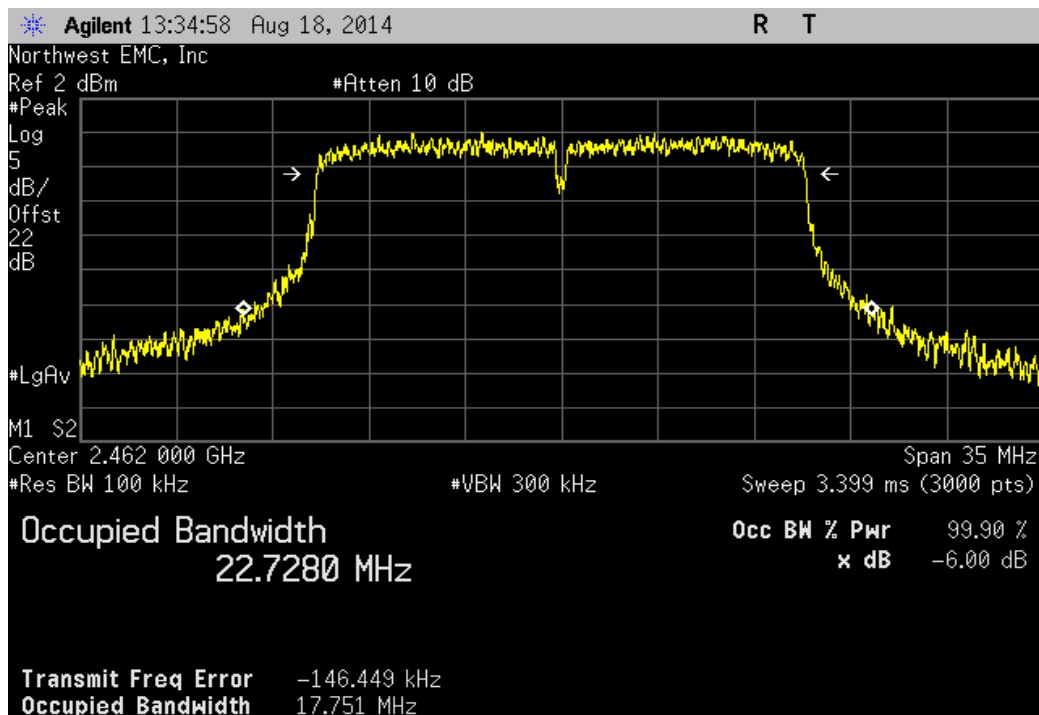
Port 1, 802.11(n) MCS0, Mid Channel 6, 2437 MHz

Value	Limit (>)	Result
17.681 MHz	500 kHz	Pass



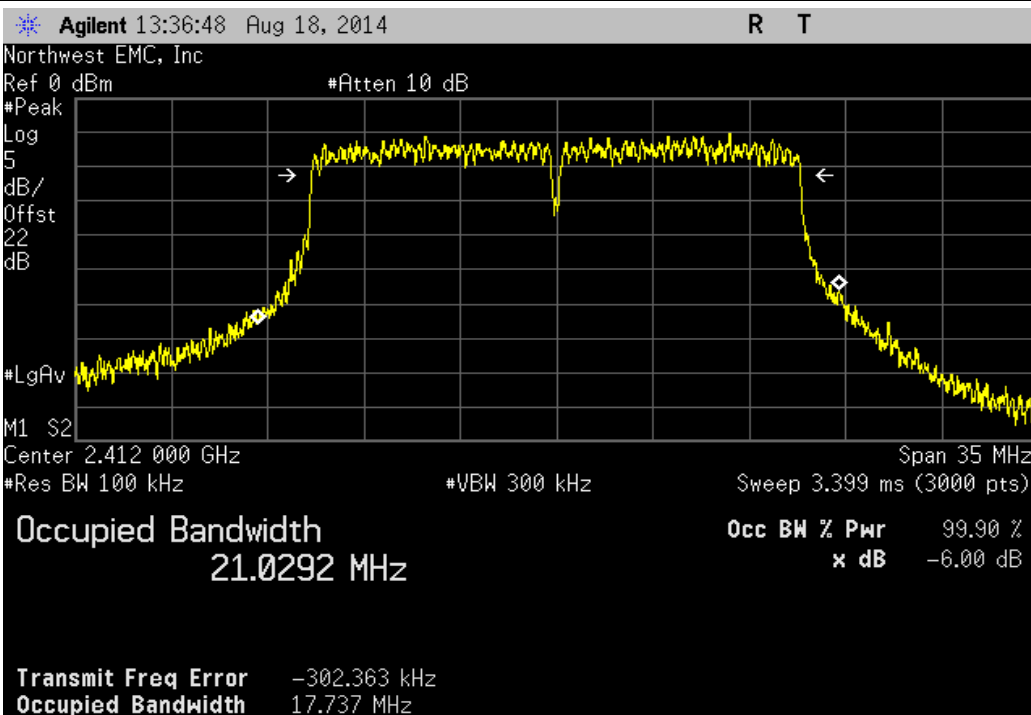
Port 1, 802.11(n) MCS0, High Channel 11, 2462 MHz

Value	Limit (>)	Result
17.751 MHz	500 kHz	Pass



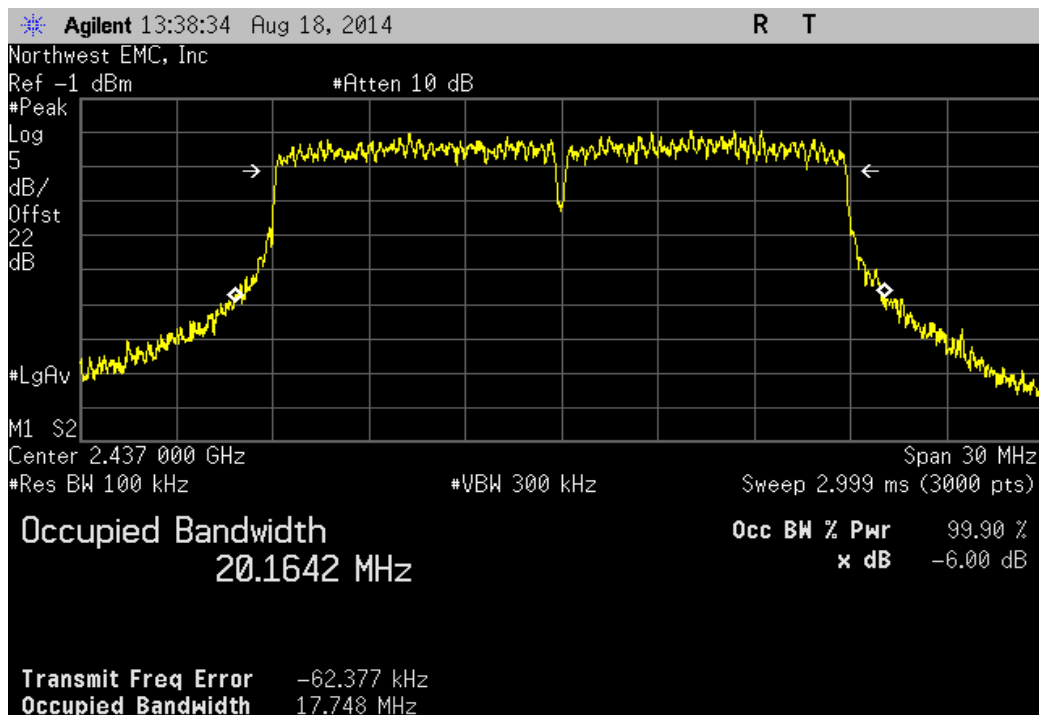
Port 1, 802.11(n) MCS7, Low Channel 1, 2412 MHz

Value	Limit (>)	Result
17.737 MHz	500 kHz	Pass



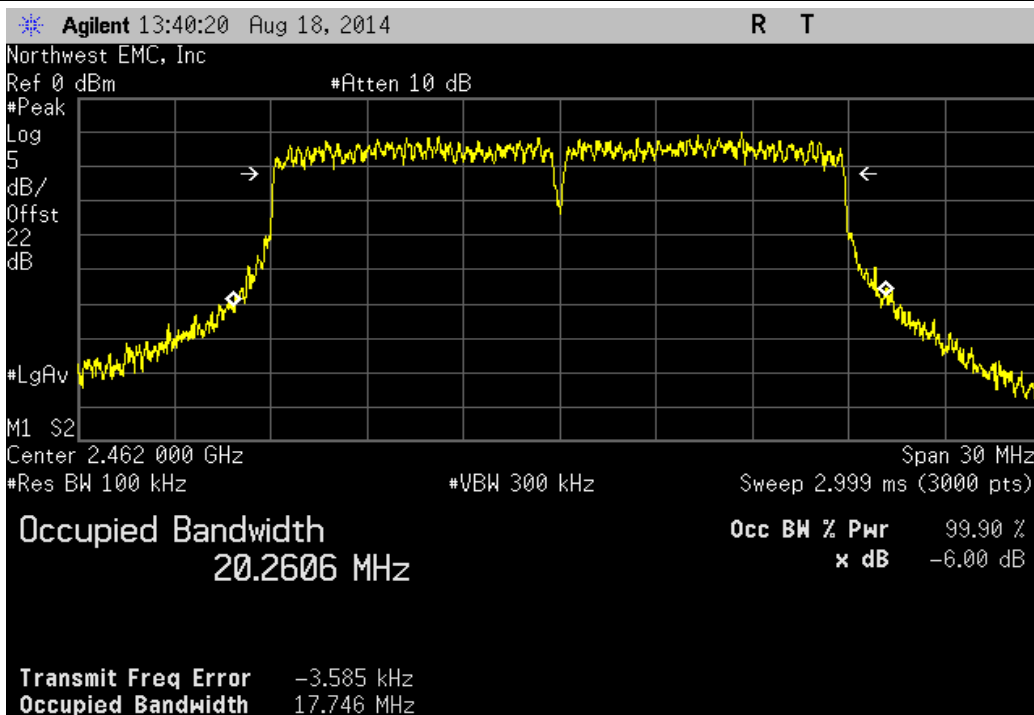
Port 1, 802.11(n) MCS7, Mid Channel 6, 2437 MHz

Value	Limit (>)	Result
17.748 MHz	500 kHz	Pass



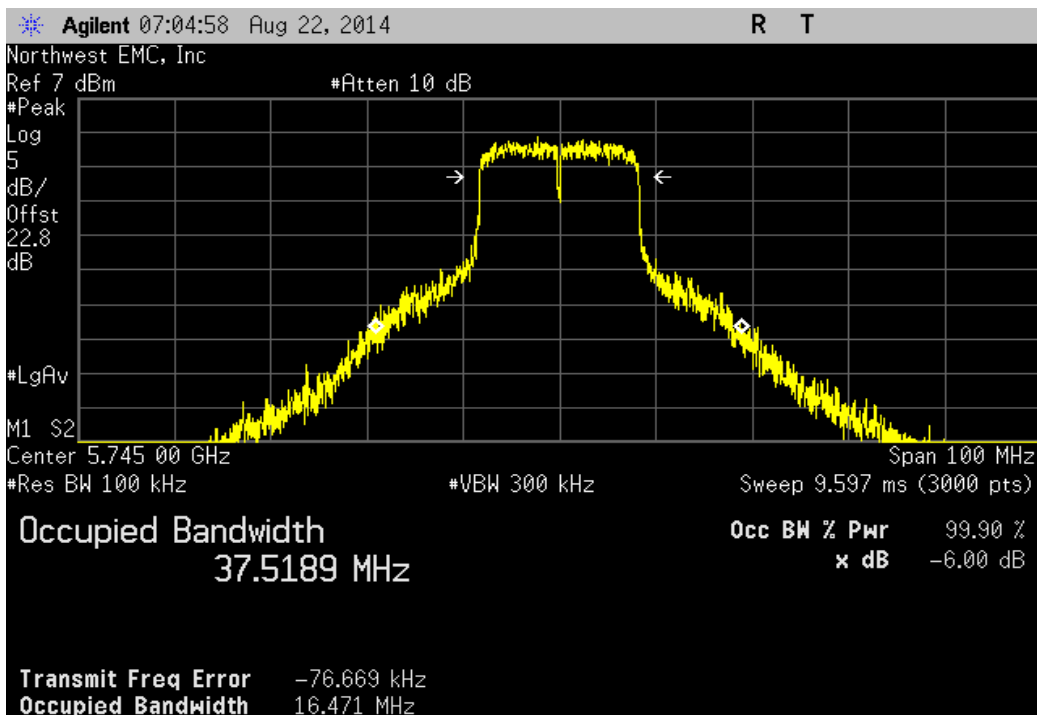
Port 1, 802.11(n) MCS7, High Channel 11, 2462 MHz

Value	Limit (>)	Result
17.746 MHz	500 kHz	Pass



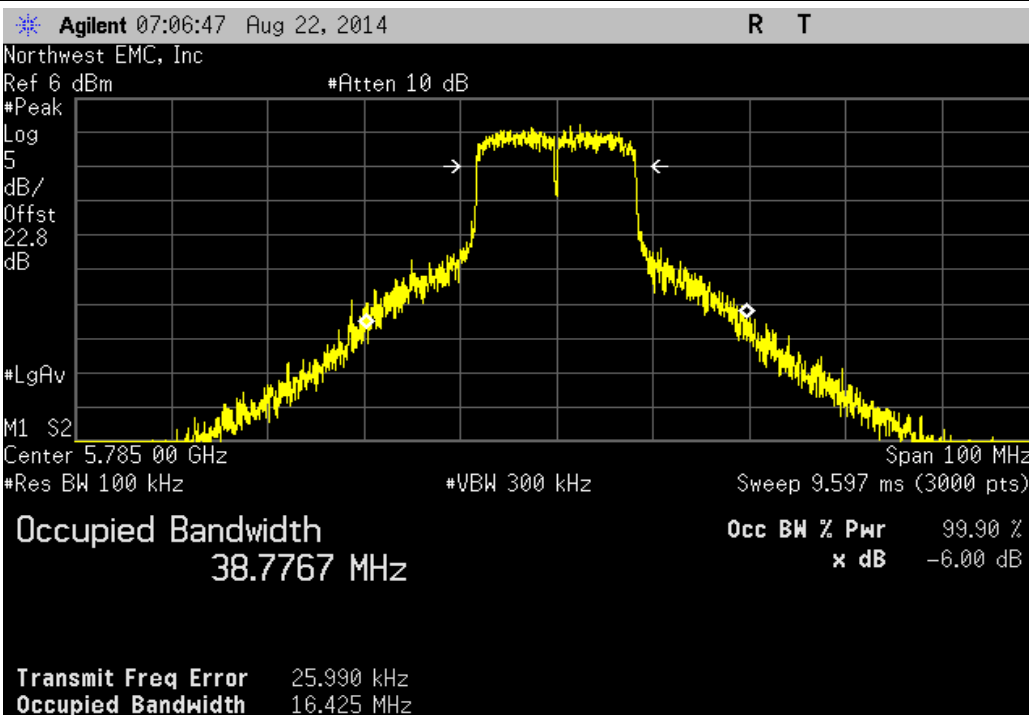
Port 1, 802.11(a) 6 Mbps, Low Channel 149, 5745 MHz

Value	Limit (>)	Result
16.471 MHz	500 kHz	Pass



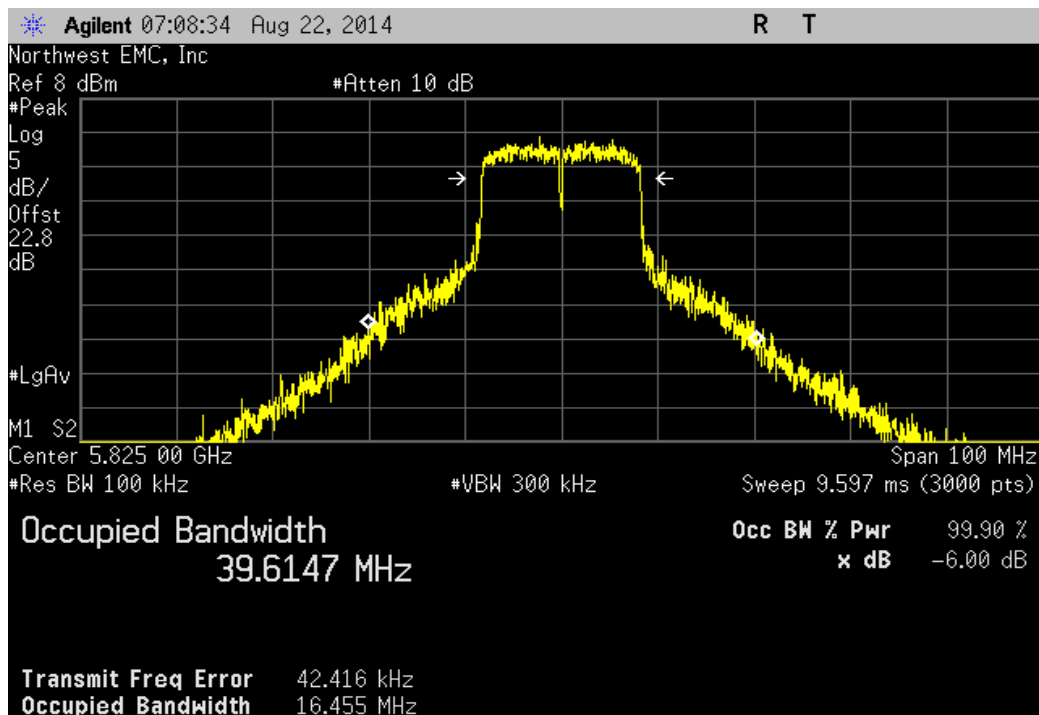
Port 1, 802.11(a) 6 Mbps, Mid Channel 157, 5785 MHz

Value	Limit (>)	Result
16.425 MHz	500 kHz	Pass



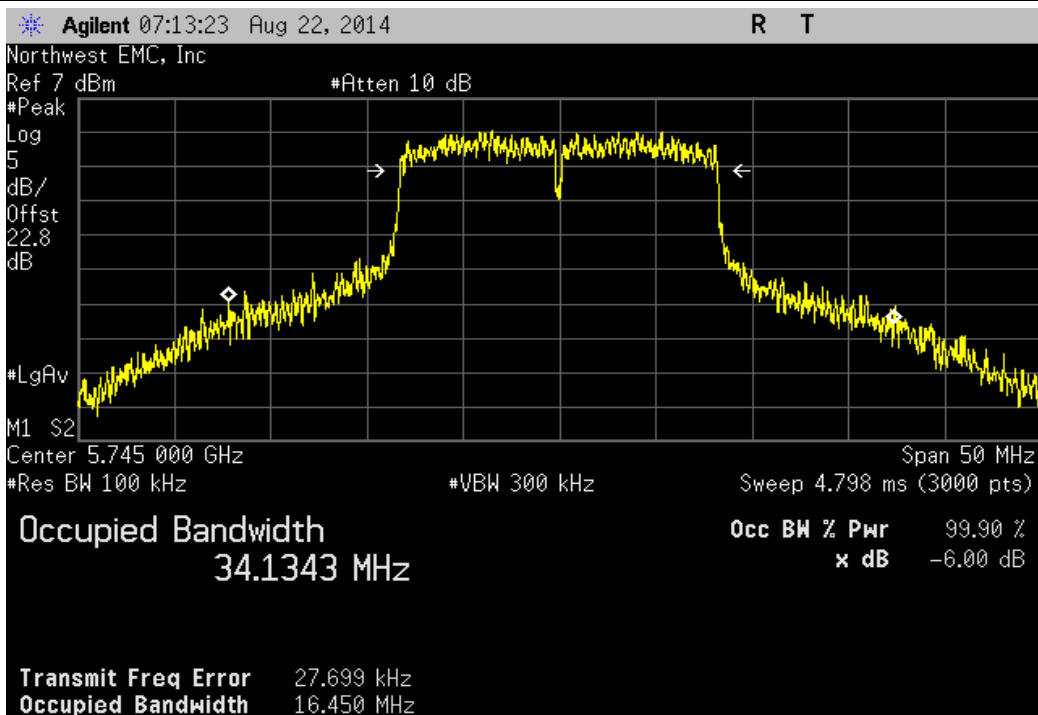
Port 1, 802.11(a) 6 Mbps, High Channel 165, 5825 MHz

Value	Limit (>)	Result
16.455 MHz	500 kHz	Pass



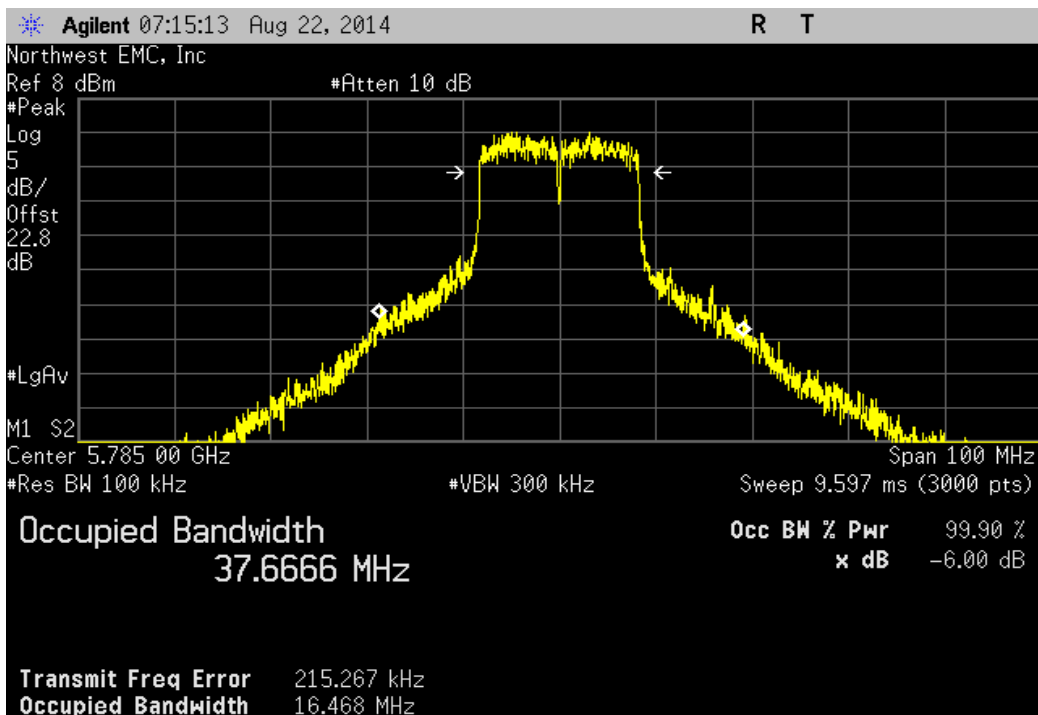
Port 1, 802.11(a) 36 Mbps, Low Channel 149, 5745 MHz

				Value	Limit (>)	Result
				16.45 MHz	500 kHz	Pass



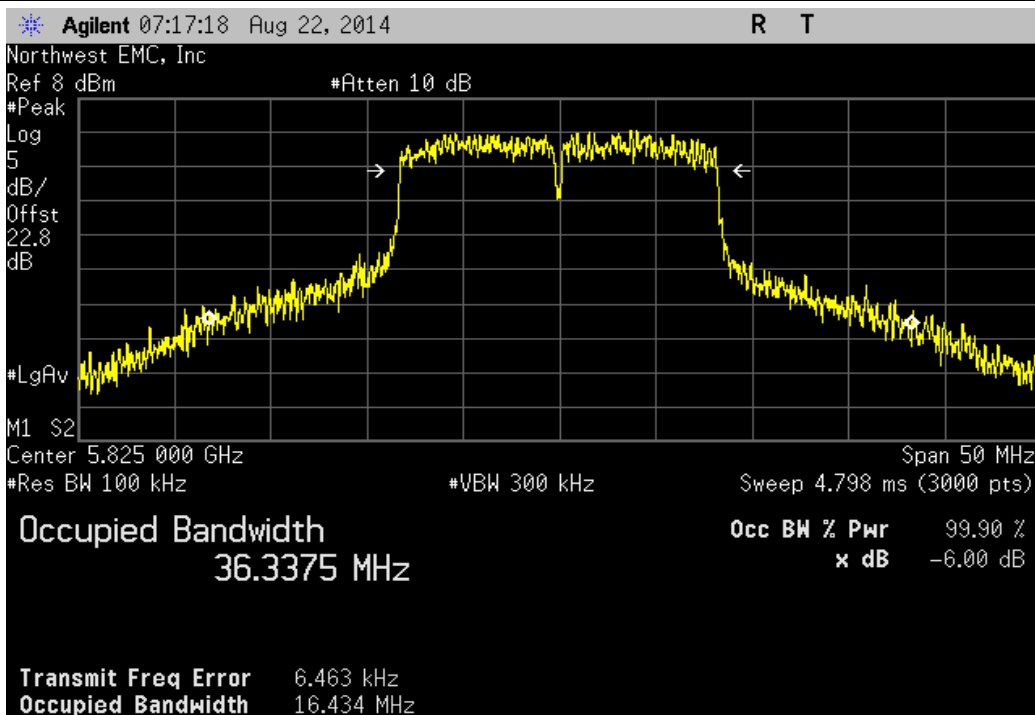
Port 1, 802.11(a) 36 Mbps, Mid Channel 157, 5785 MHz

				Value	Limit (>)	Result
				16.468 MHz	500 kHz	Pass



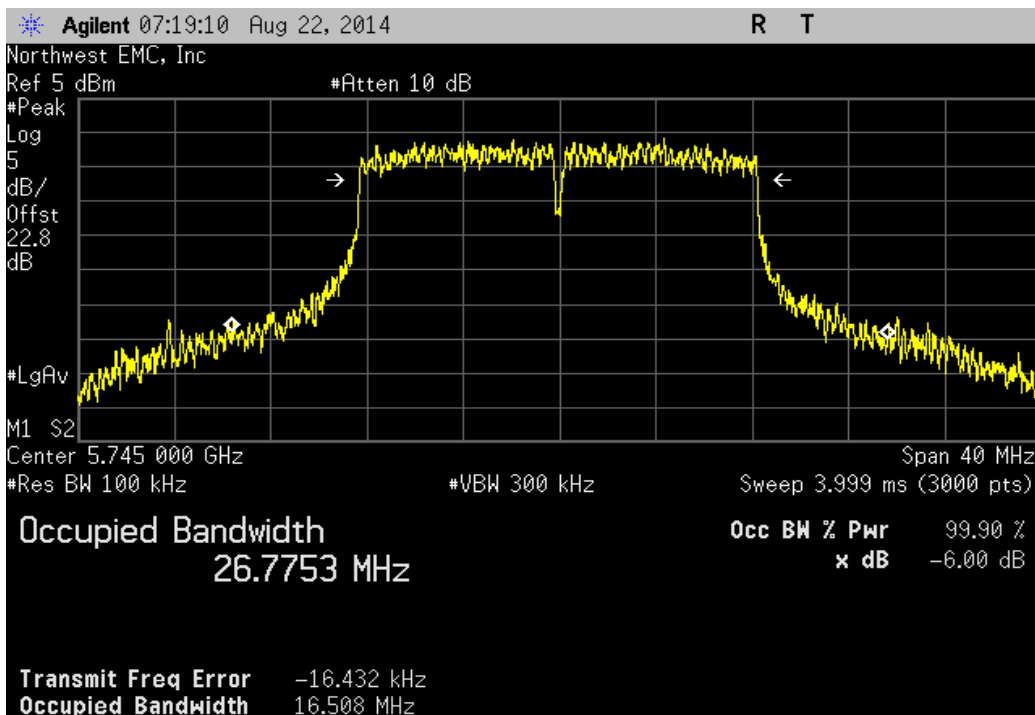
Port 1, 802.11(a) 36 Mbps, High Channel 165, 5825 MHz

	Value	Limit (>)	Result
	16.434 MHz	500 kHz	Pass



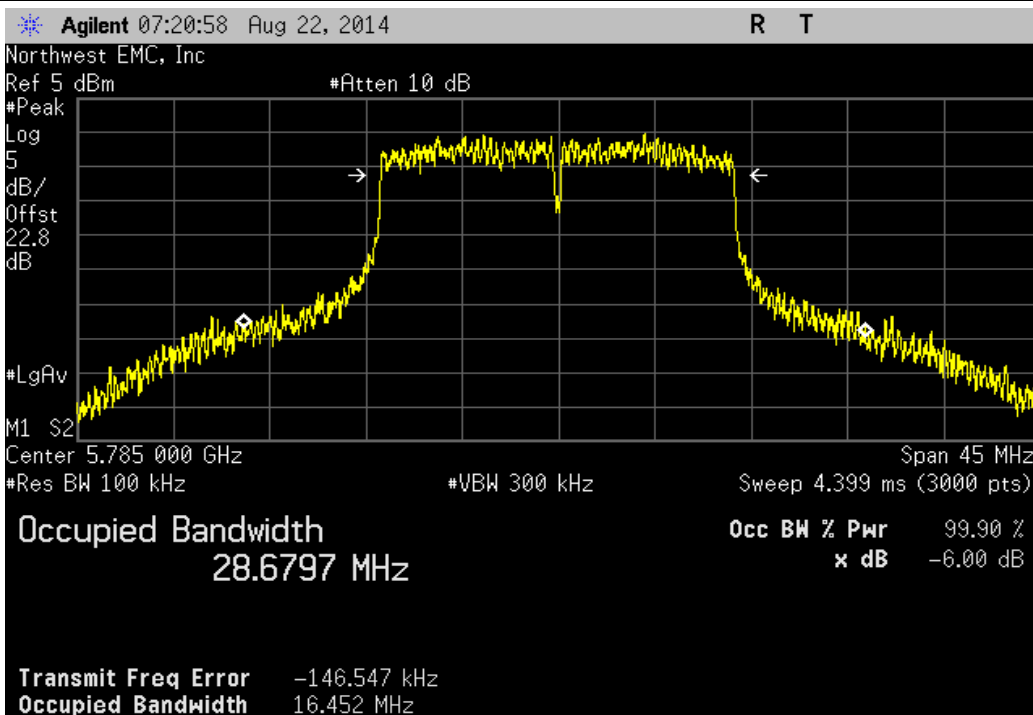
Port 1, 802.11(a) 54 Mbps, Low Channel 149, 5745 MHz

	Value	Limit (>)	Result
	16.508 MHz	500 kHz	Pass



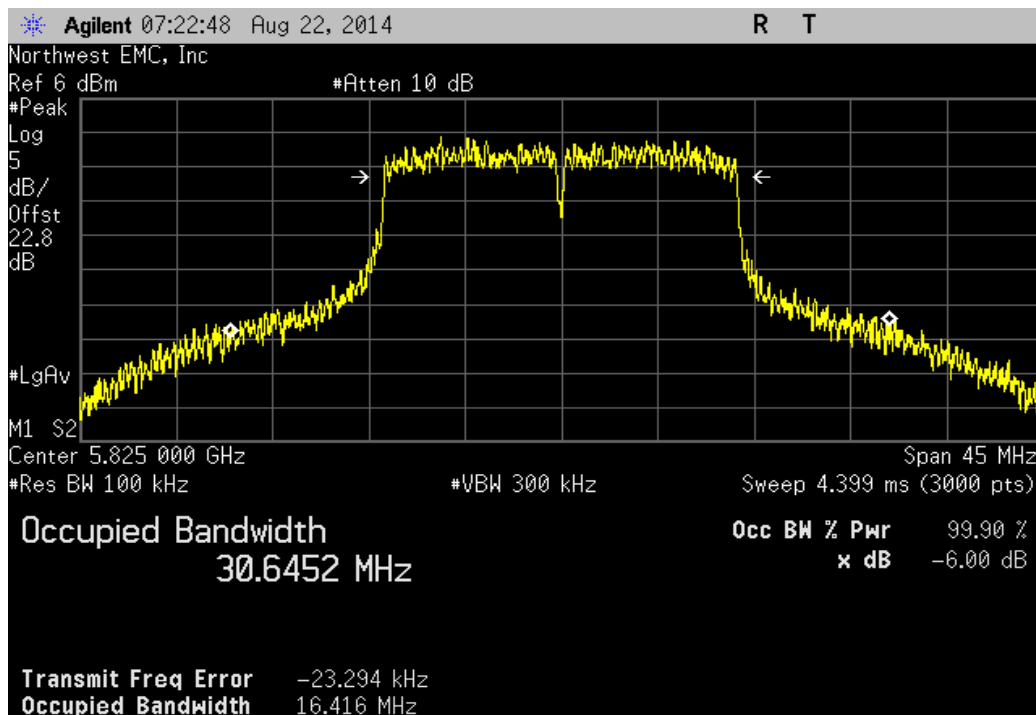
Port 1, 802.11(a) 54 Mbps, Mid Channel 157, 5785 MHz

				Value	Limit (>)	Result
				16.452 MHz	500 kHz	Pass



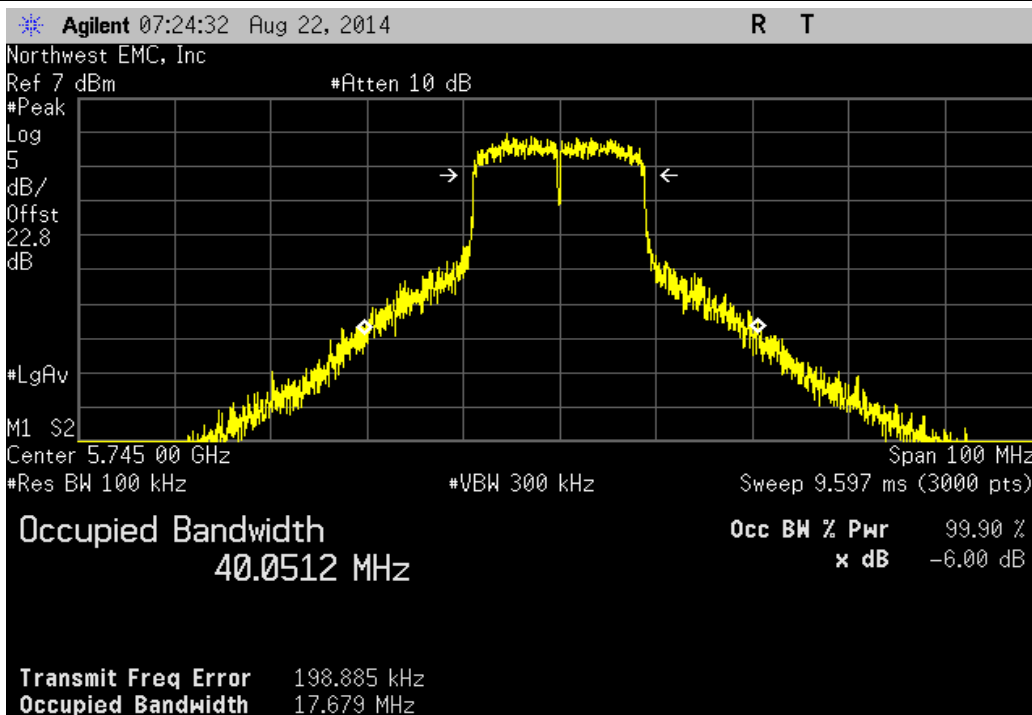
Port 1, 802.11(a) 54 Mbps, High Channel 165, 5825 MHz

				Value	Limit (>)	Result
				16.416 MHz	500 kHz	Pass



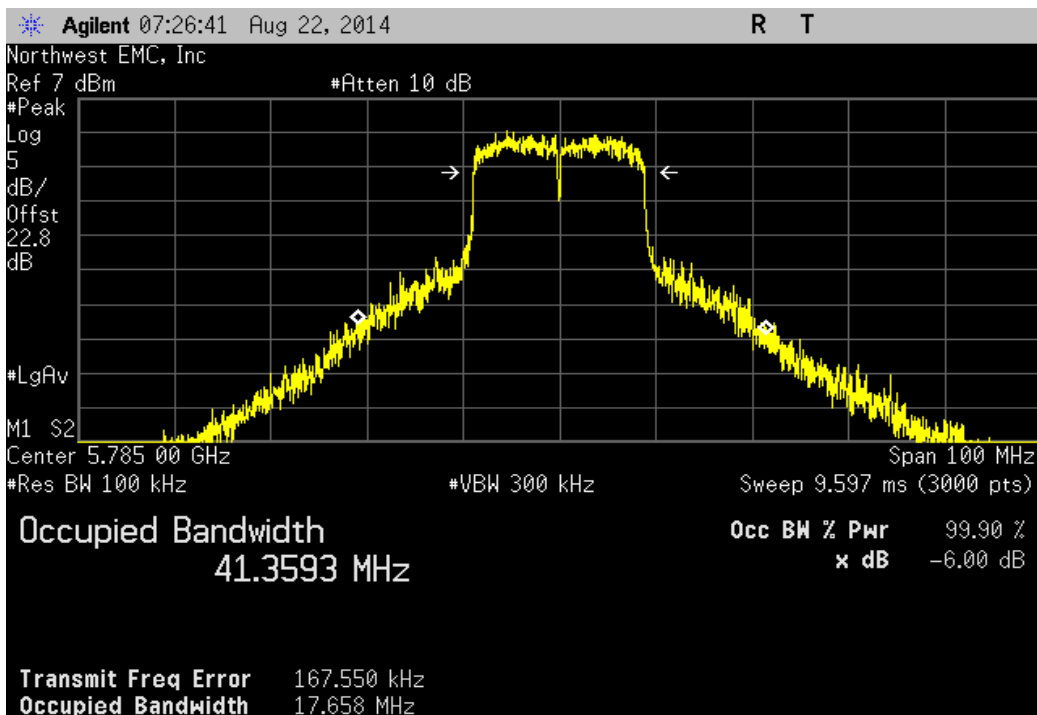
Port 1, 802.11(n) MCS0 - UNII, Low Channel 149, 5745 MHz

	Value	Limit (>)	Result
	17.679 MHz	500 kHz	Pass



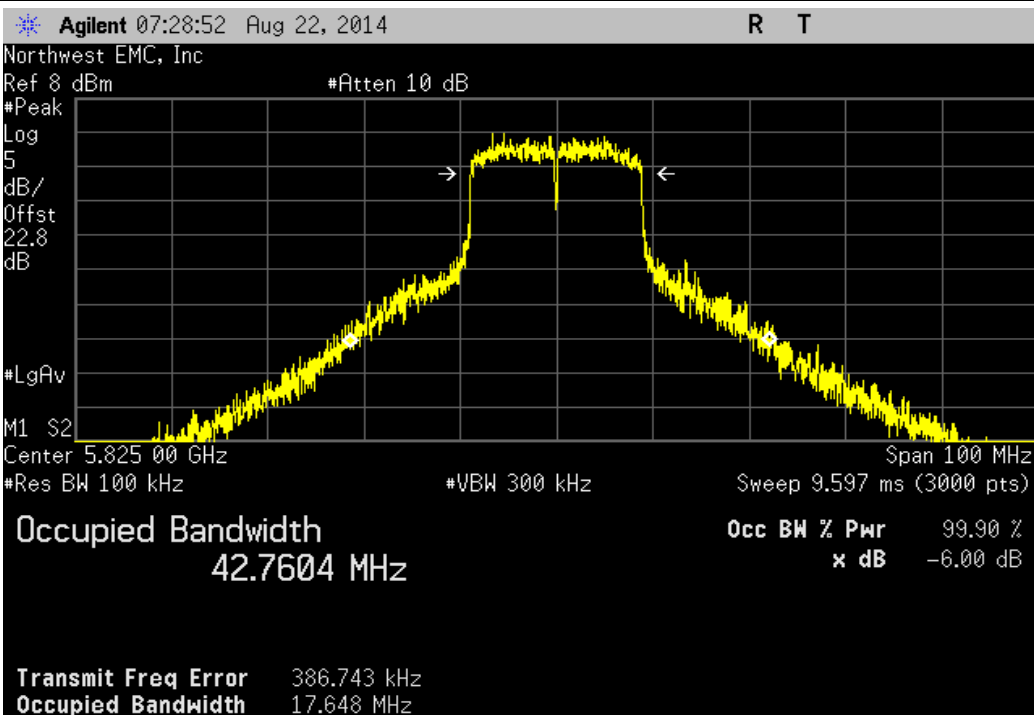
Port 1, 802.11(n) MCS0 - UNII, Mid Channel 157, 5785 MHz

	Value	Limit (>)	Result
	17.658 MHz	500 kHz	Pass



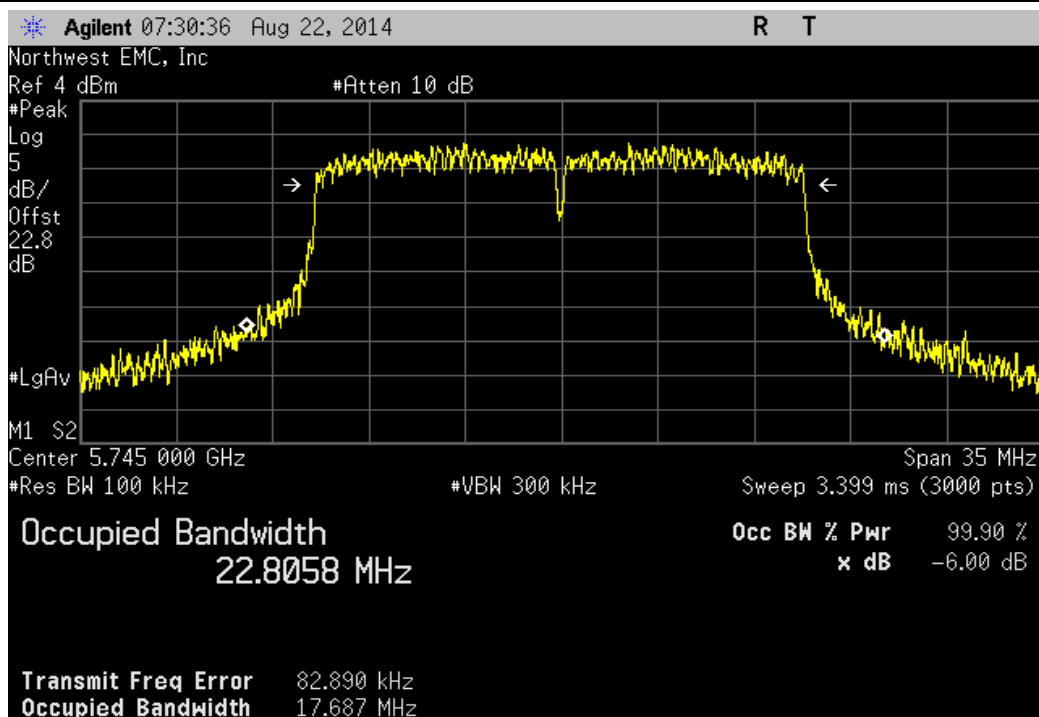
Port 1, 802.11(n) MCS0 - UNII, High Channel 165, 5825 MHz

Value	Limit (>)	Result
17.648 MHz	500 kHz	Pass



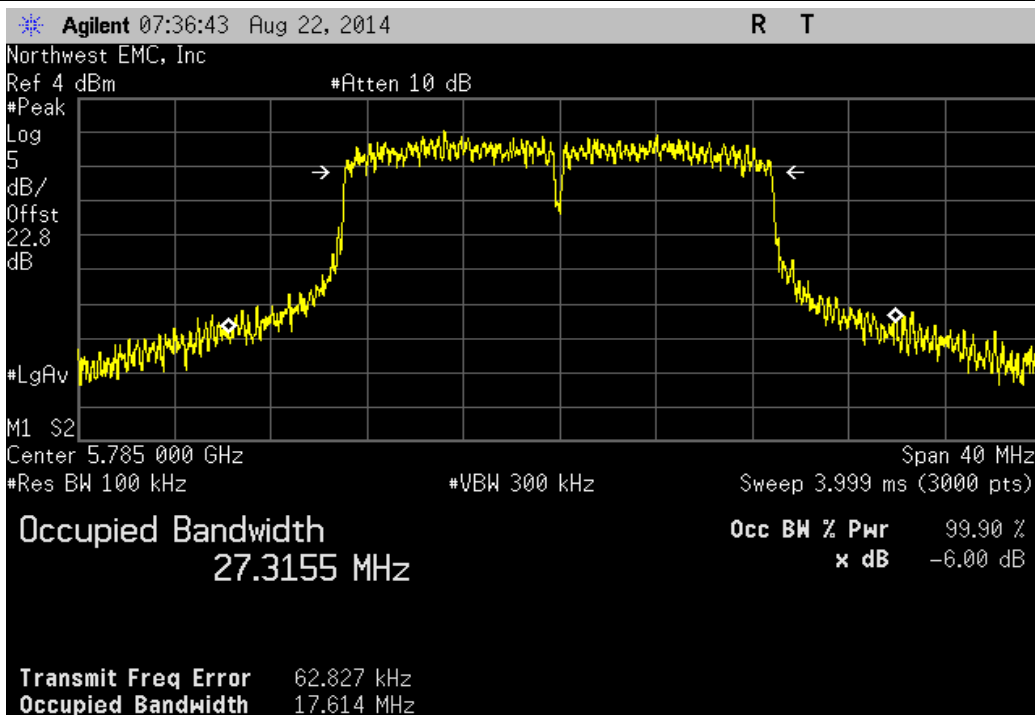
Port 1, 802.11(n) MCS7 - UNII, Low Channel 149, 5745 MHz

Value	Limit (>)	Result
17.687 MHz	500 kHz	Pass



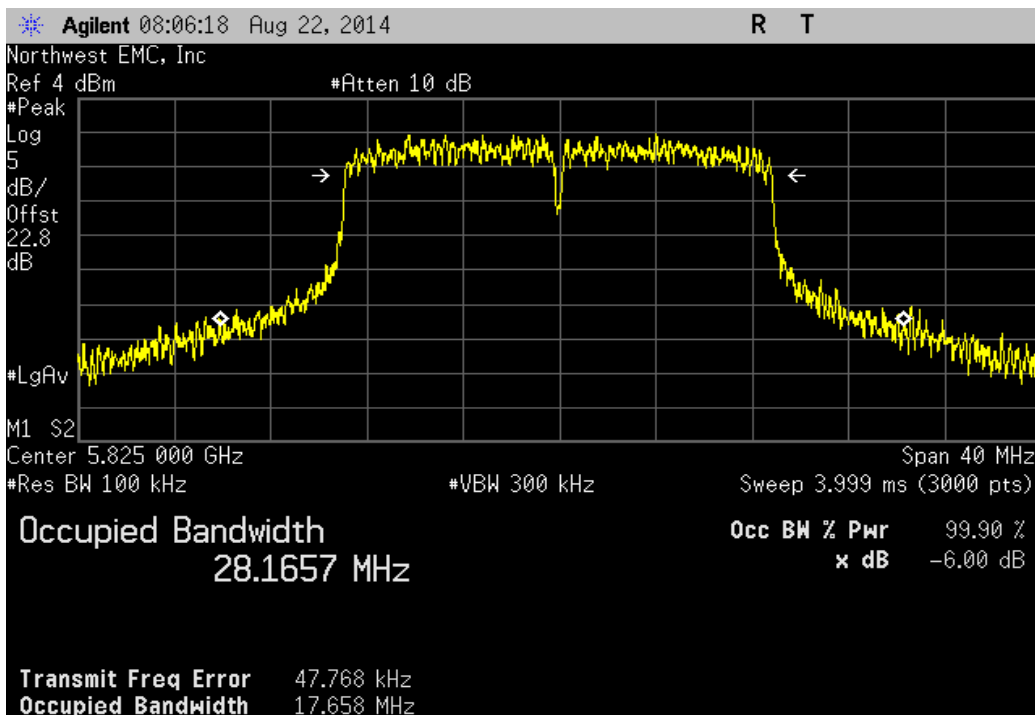
Port 1, 802.11(n) MCS7 - UNII, Mid Channel 157, 5785 MHz

	Value	Limit (>)	Result
	17.614 MHz	500 kHz	Pass



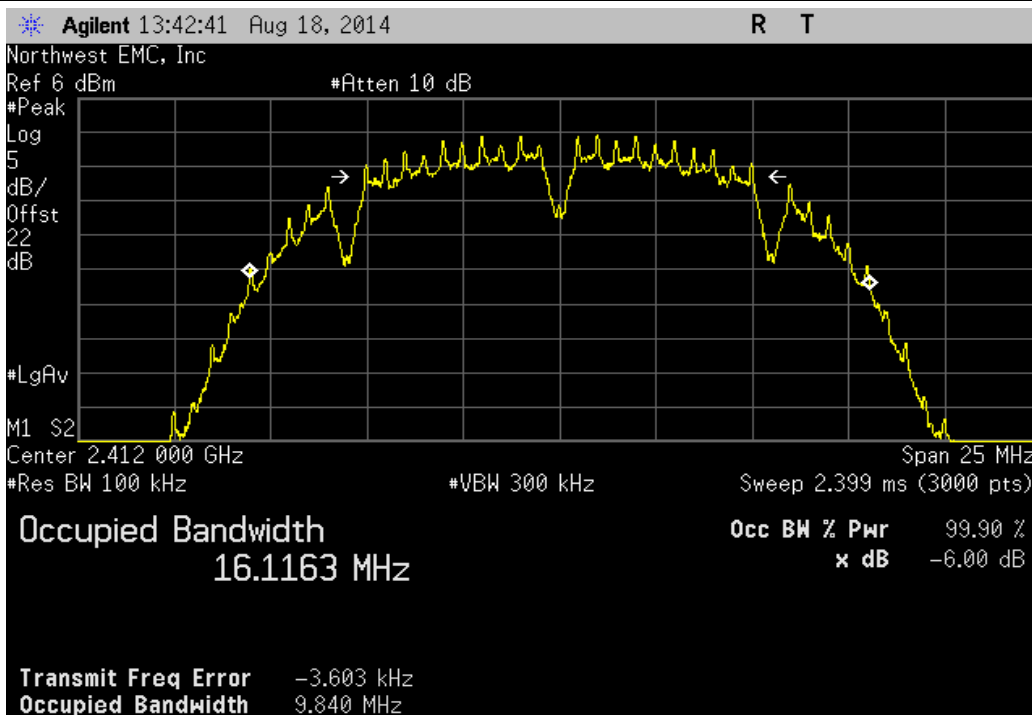
Port 1, 802.11(n) MCS7 - UNII, High Channel 165, 5825 MHz

	Value	Limit (>)	Result
	17.658 MHz	500 kHz	Pass



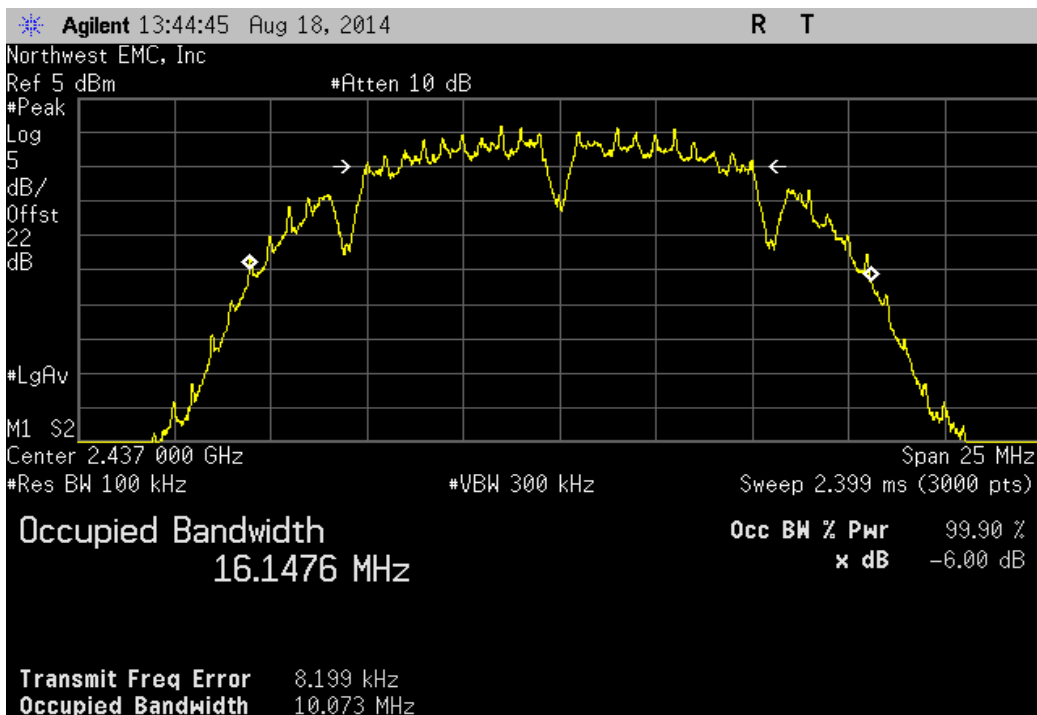
Port 2, 802.11(b) 1 Mbps, Low Channel 1, 2412 MHz

				Value	Limit (>)	Result
				9.84 MHz	500 kHz	Pass



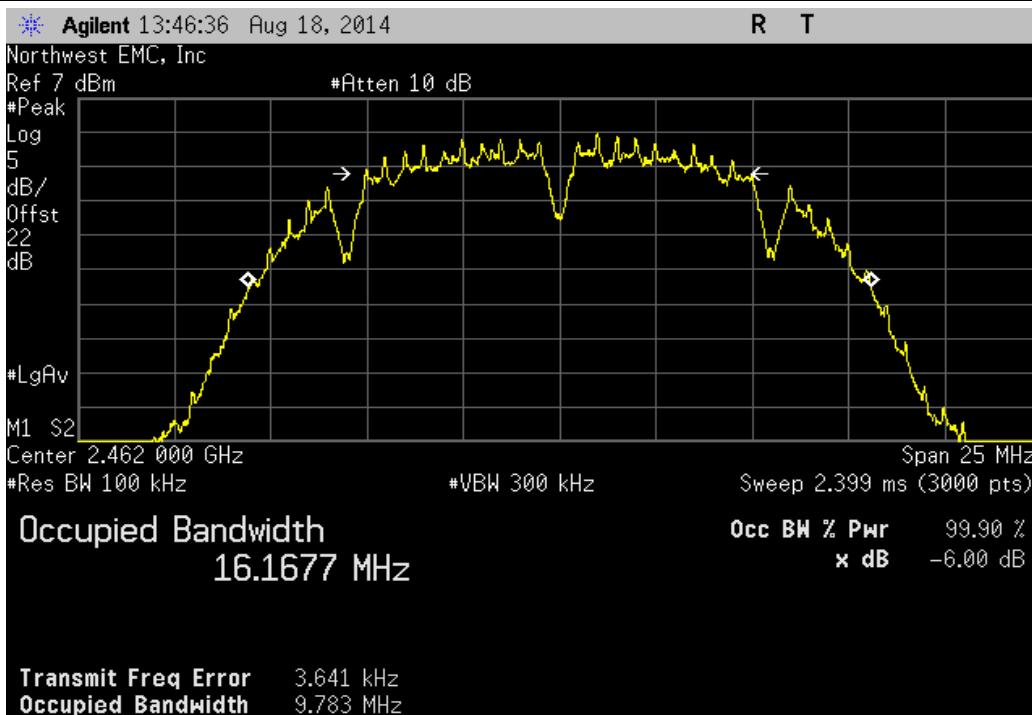
Port 2, 802.11(b) 1 Mbps, Mid Channel 6, 2437 MHz

				Value	Limit (>)	Result
				10.073 MHz	500 kHz	Pass



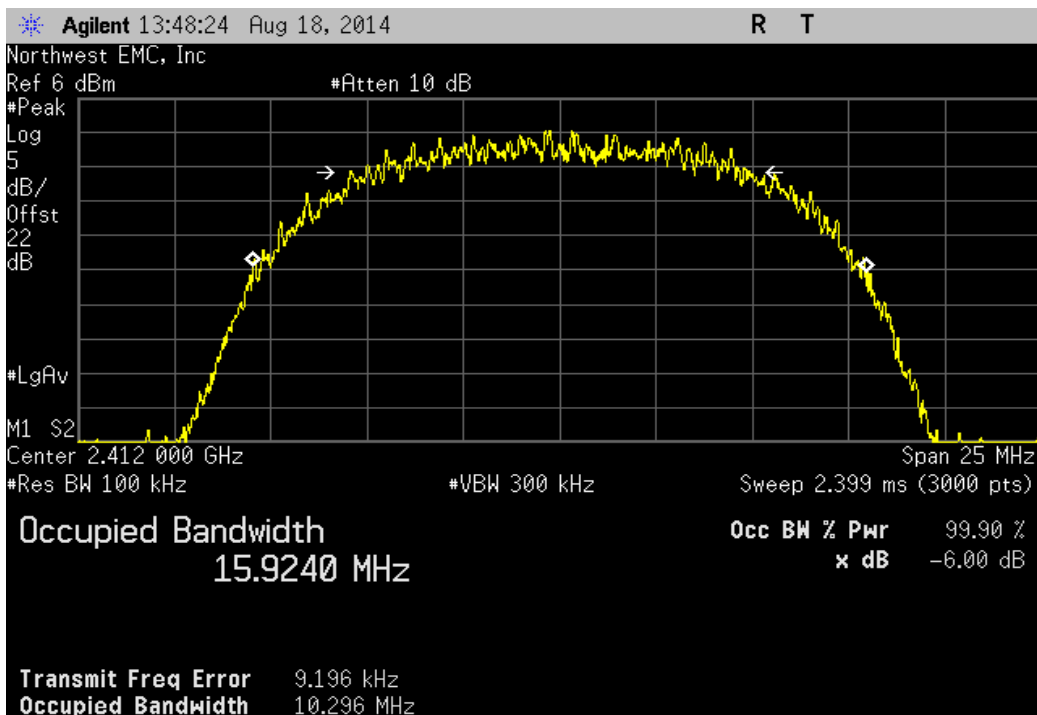
Port 2, 802.11(b) 1 Mbps, High Channel 11, 2462 MHz

				Value	Limit (>)	Result
				9.783 MHz	500 kHz	Pass



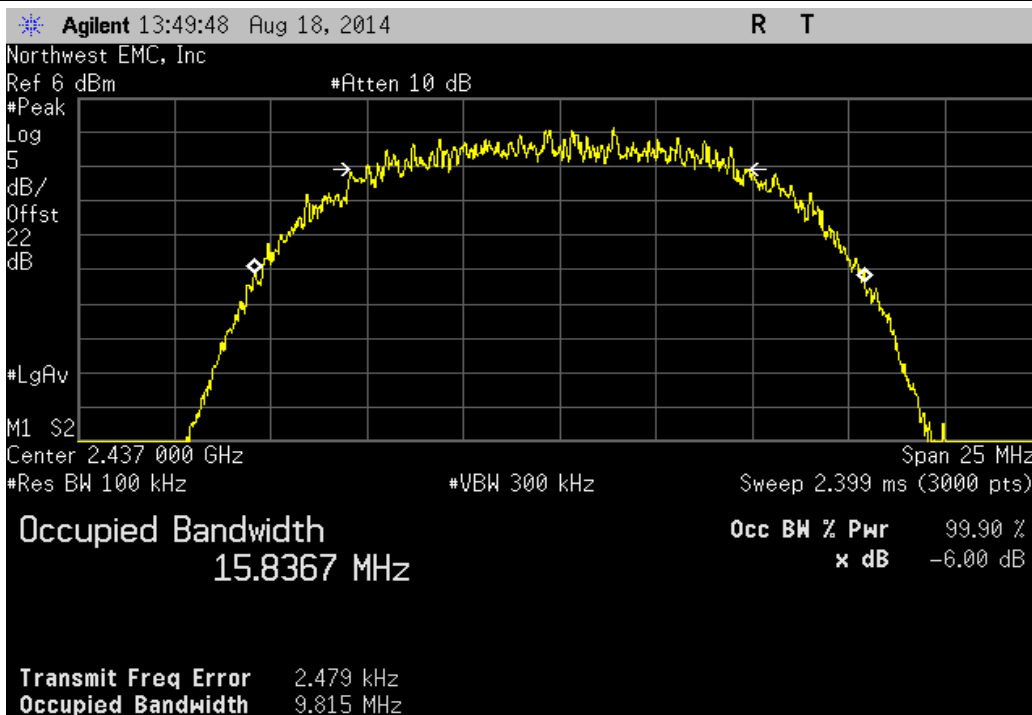
Port 2, 802.11(b) 11 Mbps, Low Channel 1, 2412 MHz

				Value	Limit (>)	Result
				10.296 MHz	500 kHz	Pass



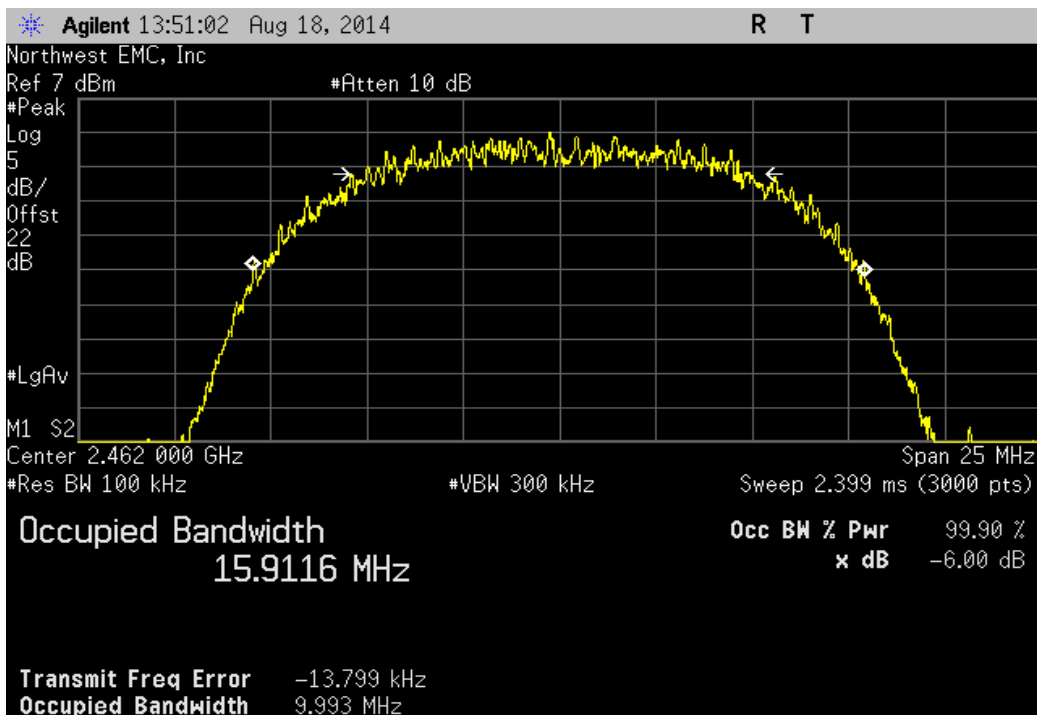
Port 2, 802.11(b) 11 Mbps, Mid Channel 6, 2437 MHz

				Value	Limit (>)	Result
				9.815 MHz	500 kHz	Pass



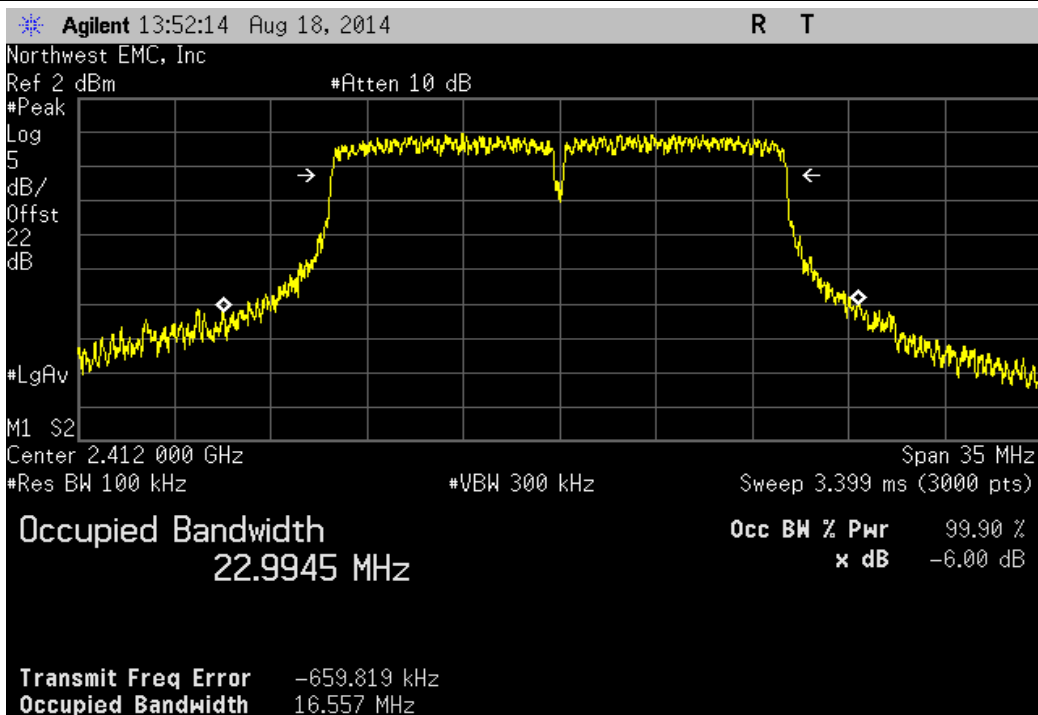
Port 2, 802.11(b) 11 Mbps, High Channel 11, 2462 MHz

				Value	Limit (>)	Result
				9.993 MHz	500 kHz	Pass



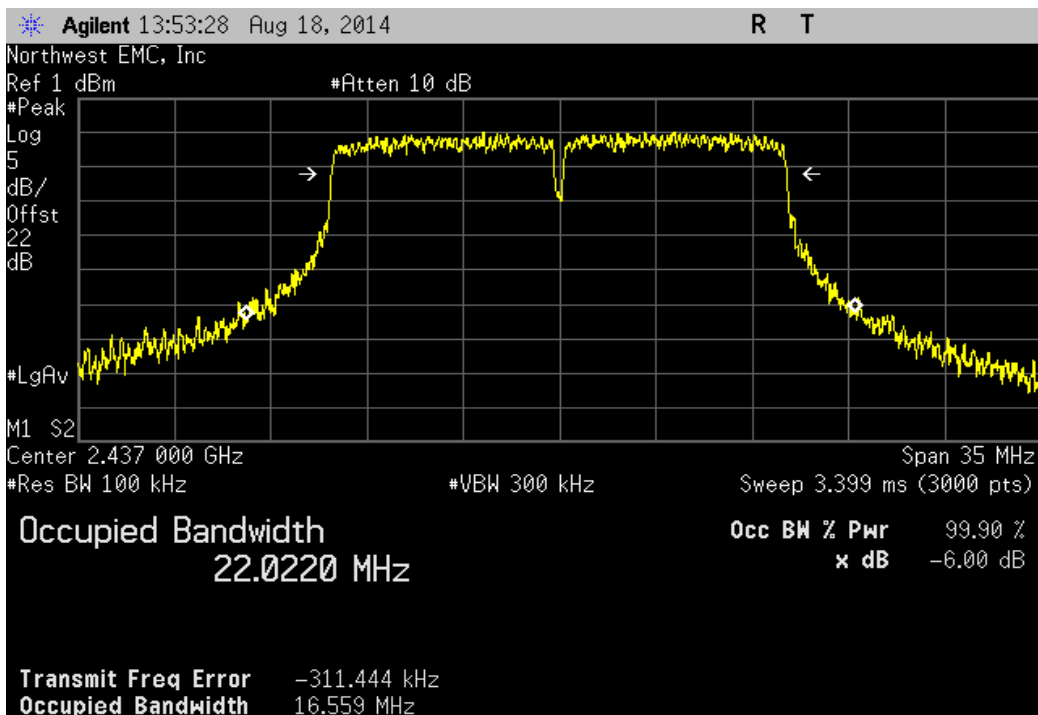
Port 2, 802.11(g) 6 Mbps, Low Channel 1, 2412 MHz

Value	Limit (>)	Result
16.557 MHz	500 kHz	Pass



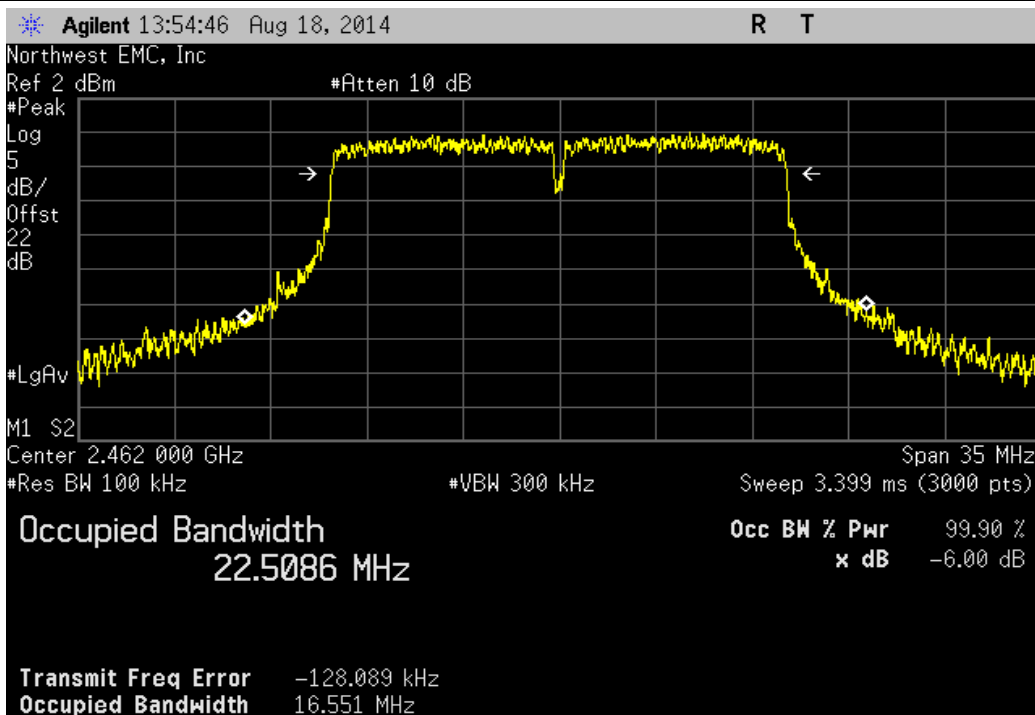
Port 2, 802.11(g) 6 Mbps, Mid Channel 6, 2437 MHz

Value	Limit (>)	Result
16.559 MHz	500 kHz	Pass



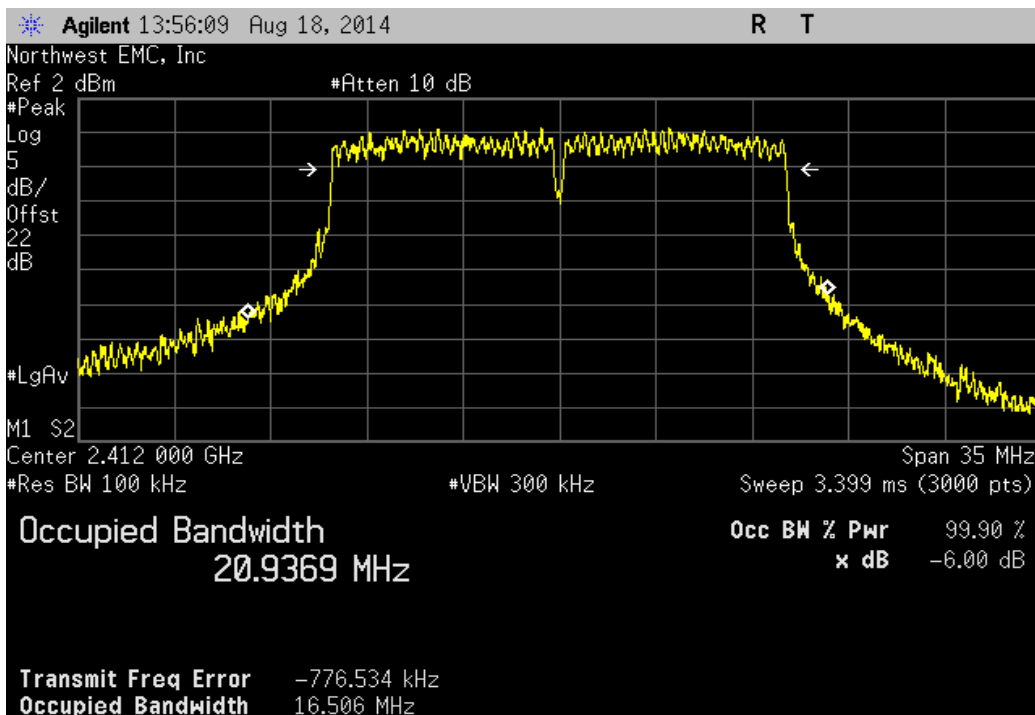
Port 2, 802.11(g) 6 Mbps, High Channel 11, 2462 MHz

				Value	Limit (>)	Result
				16.551 MHz	500 kHz	Pass



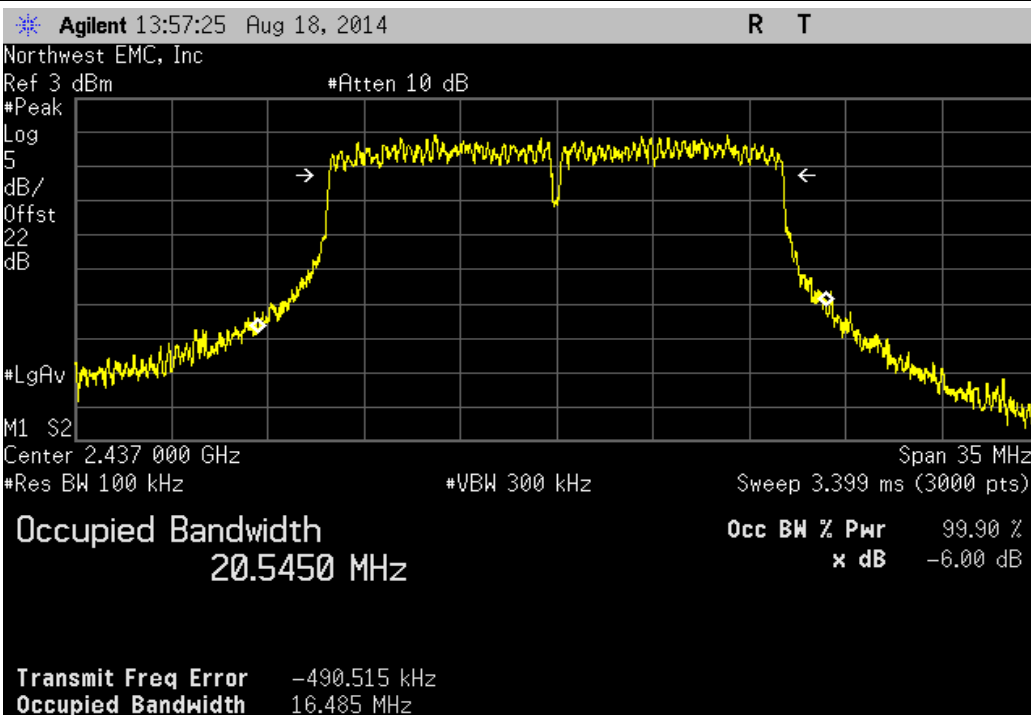
Port 2, 802.11(g) 36 Mbps, Low Channel 1, 2412 MHz

				Value	Limit (>)	Result
				16.506 MHz	500 kHz	Pass



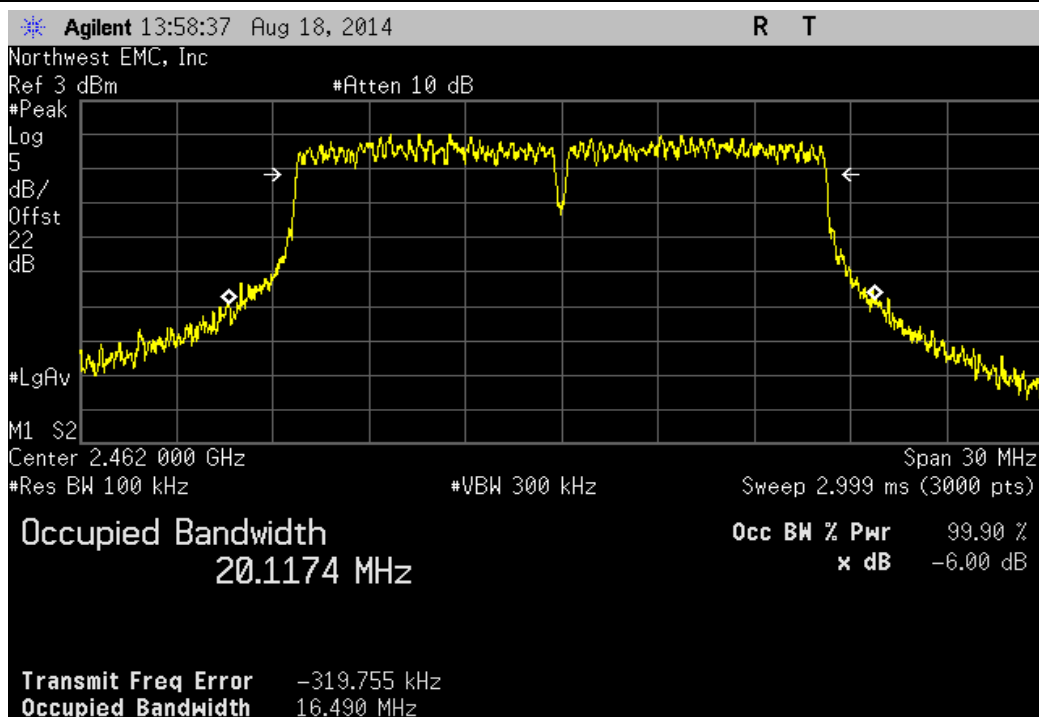
Port 2, 802.11(g) 36 Mbps, Mid Channel 6, 2437 MHz

Value	Limit (>)	Result
16.485 MHz	500 kHz	Pass



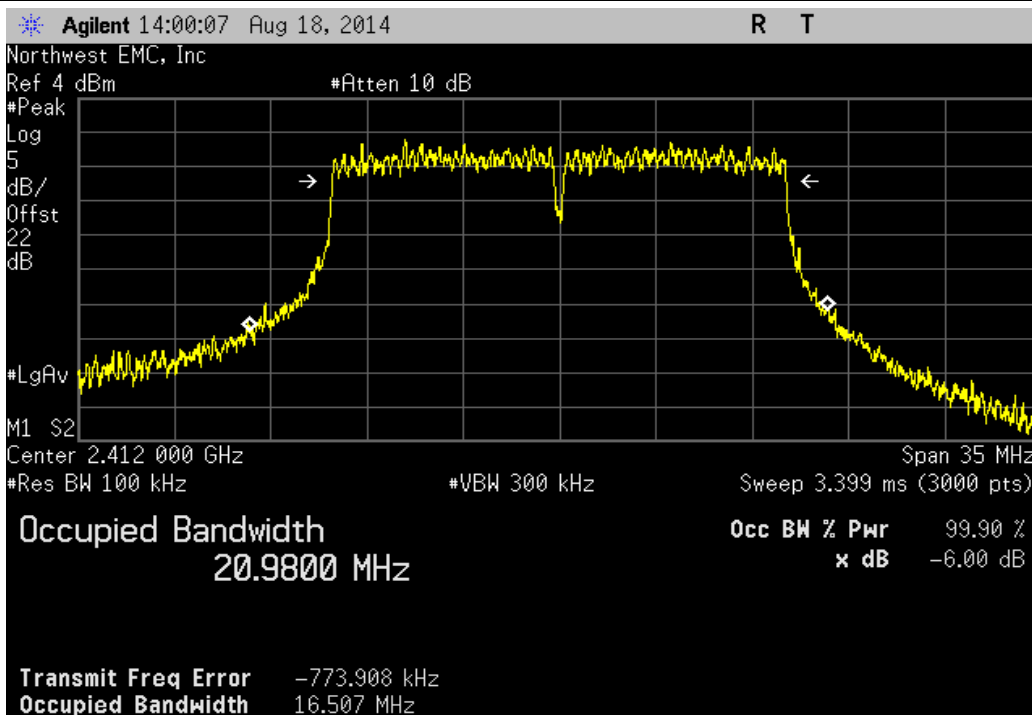
Port 2, 802.11(g) 36 Mbps, High Channel 11, 2462 MHz

Value	Limit (>)	Result
16.49 MHz	500 kHz	Pass



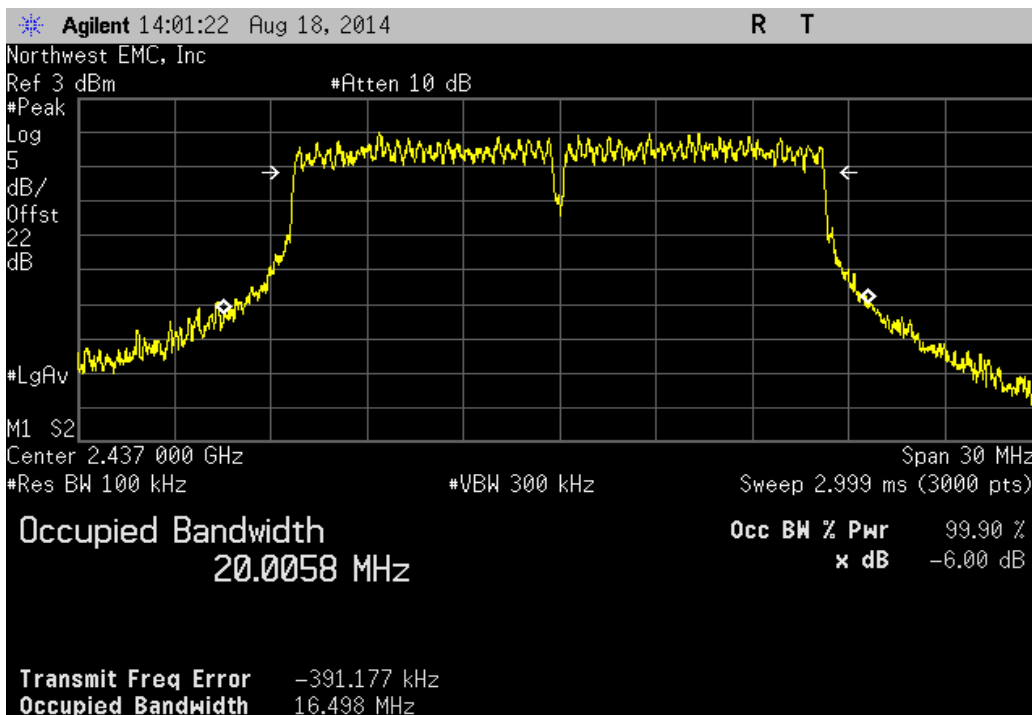
Port 2, 802.11(g) 54 Mbps, Low Channel 1, 2412 MHz

				Value	Limit (>)	Result
				16.507 MHz	500 kHz	Pass



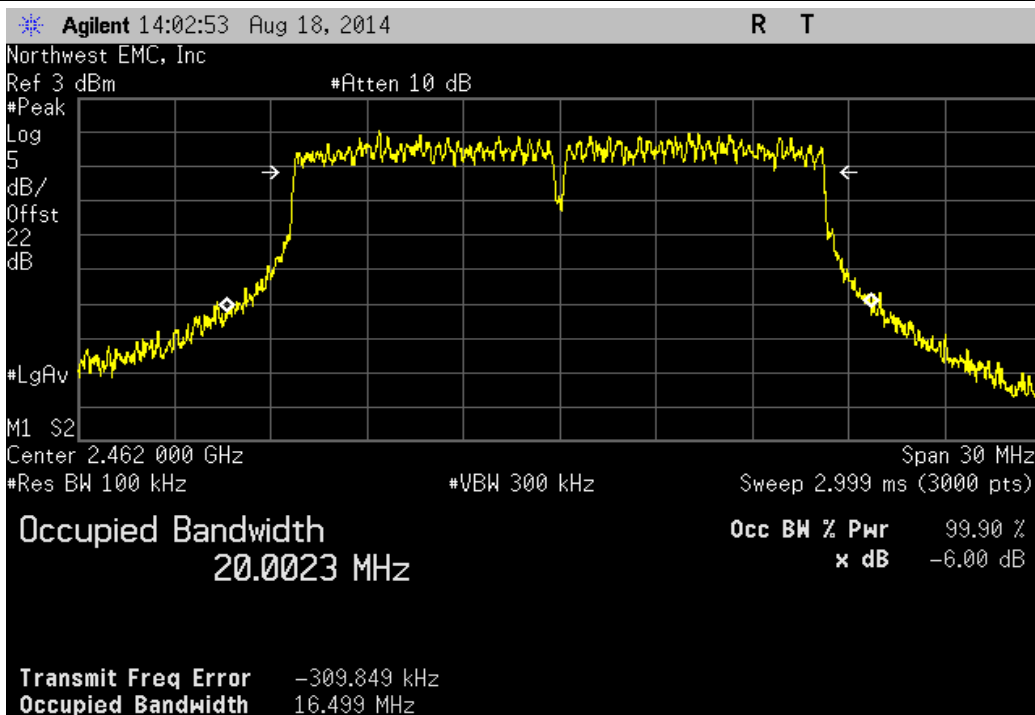
Port 2, 802.11(g) 54 Mbps, Mid Channel 6, 2437 MHz

				Value	Limit (>)	Result
				16.498 MHz	500 kHz	Pass



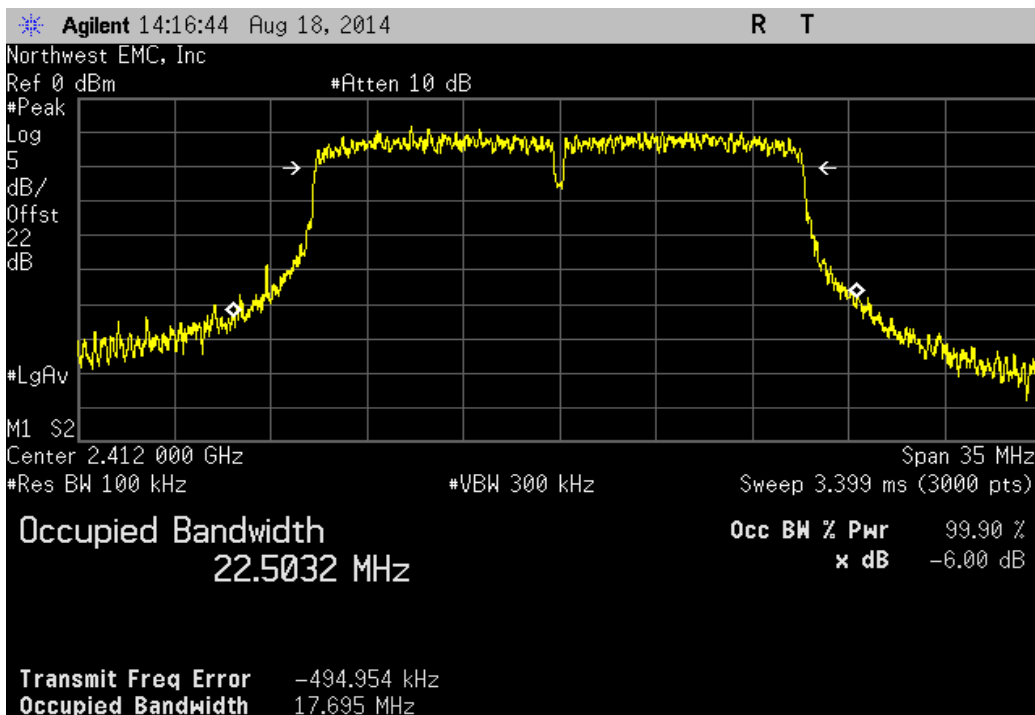
Port 2, 802.11(g) 54 Mbps, High Channel 11, 2462 MHz

Value	Limit (>)	Result
16.499 MHz	500 kHz	Pass



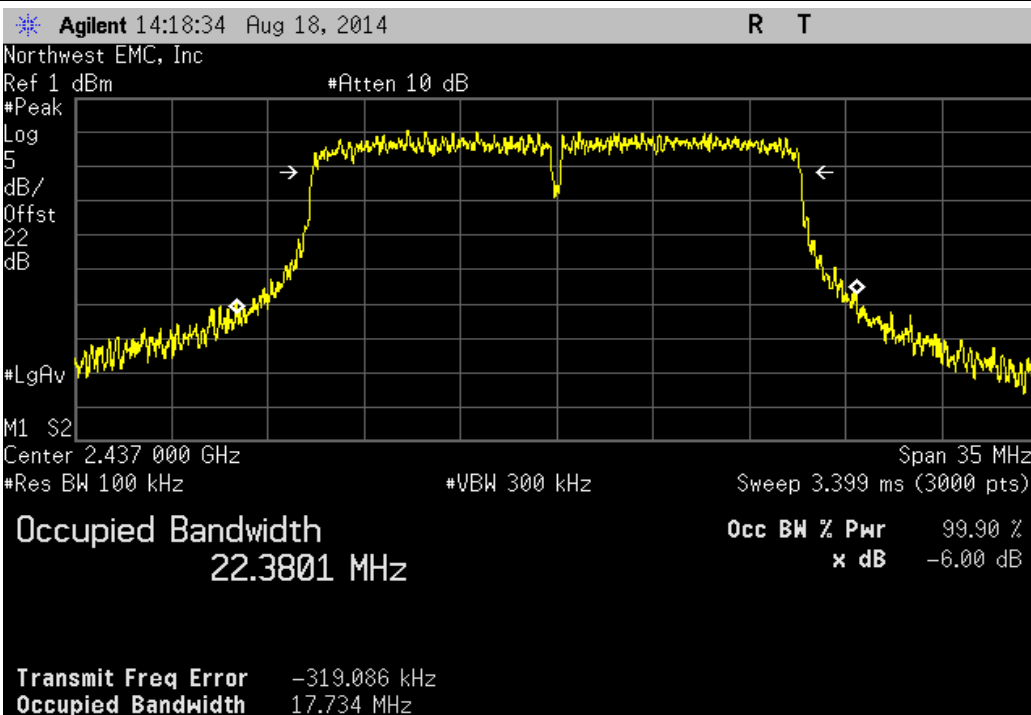
Port 2, 802.11(n) MCS0, Low Channel 1, 2412 MHz

Value	Limit (>)	Result
17.695 MHz	500 kHz	Pass



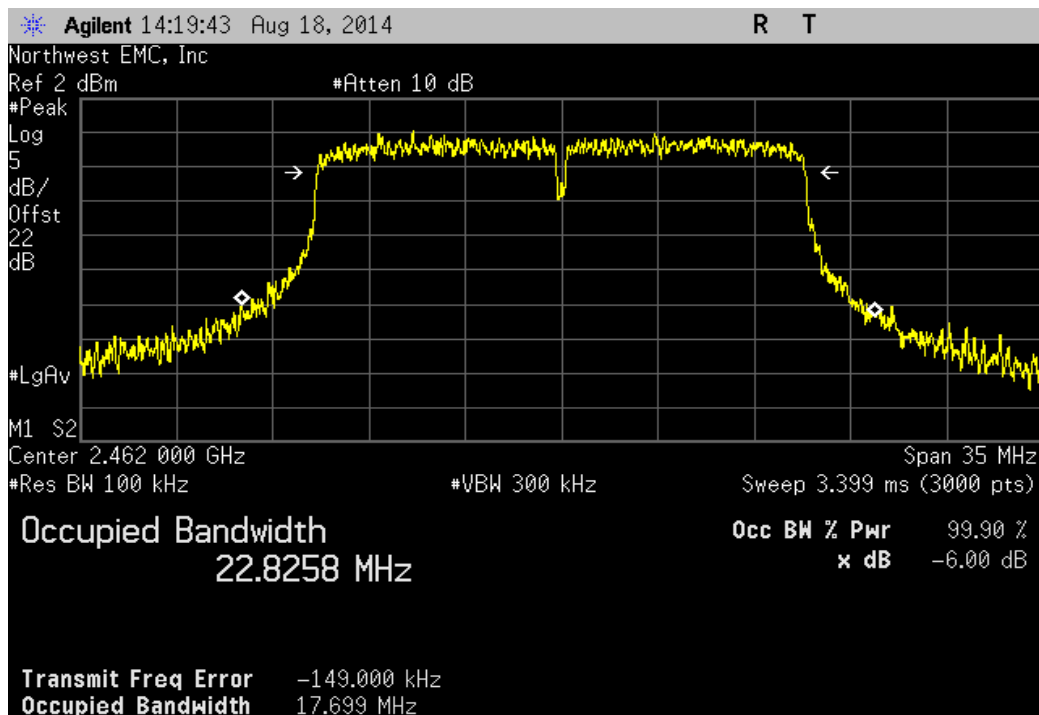
Port 2, 802.11(n) MCS0, Mid Channel 6, 2437 MHz

Value	Limit (>)	Result
17.734 MHz	500 kHz	Pass



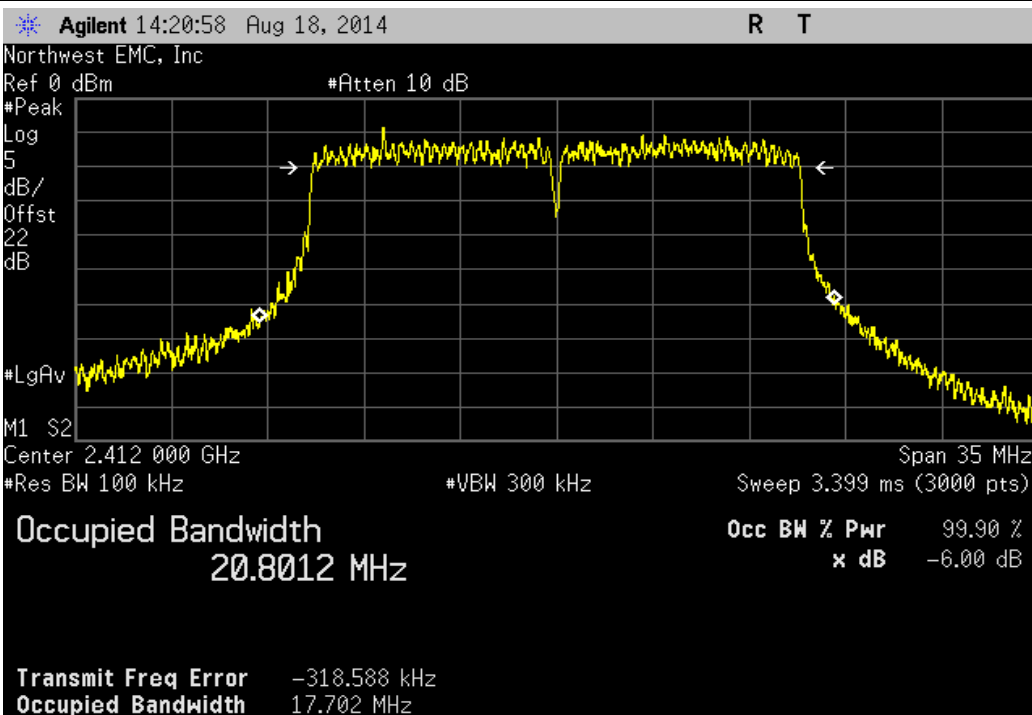
Port 2, 802.11(n) MCS0, High Channel 11, 2462 MHz

Value	Limit (>)	Result
17.699 MHz	500 kHz	Pass



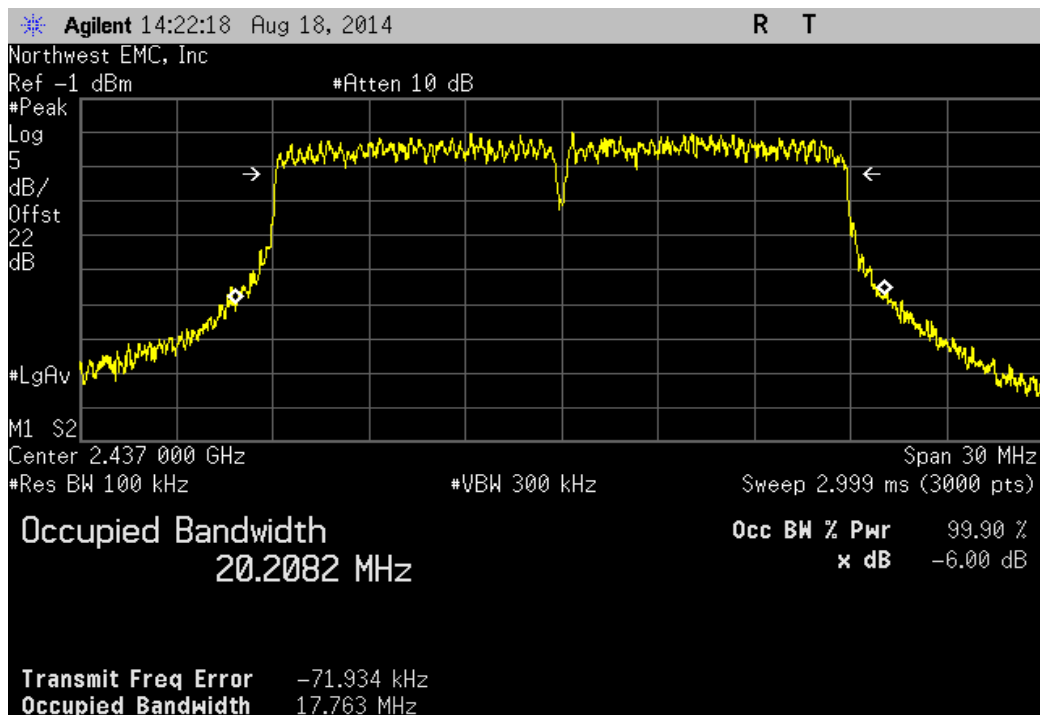
Port 2, 802.11(n) MCS7, Low Channel 1, 2412 MHz

Value	Limit (>)	Result
17.702 MHz	500 kHz	Pass



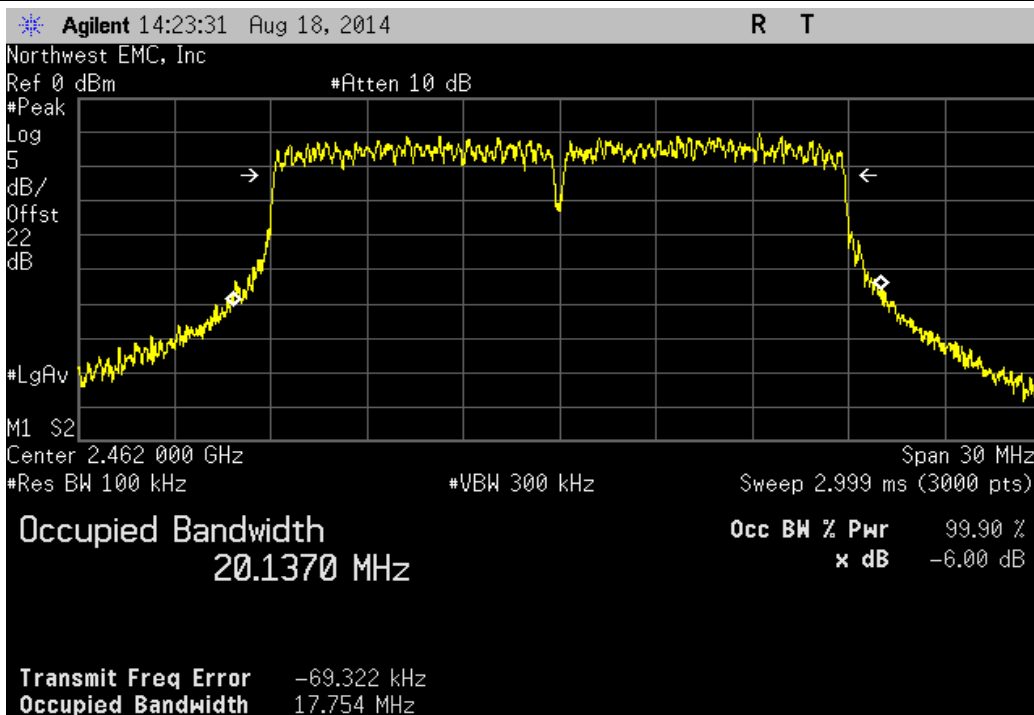
Port 2, 802.11(n) MCS7, Mid Channel 6, 2437 MHz

Value	Limit (>)	Result
17.763 MHz	500 kHz	Pass



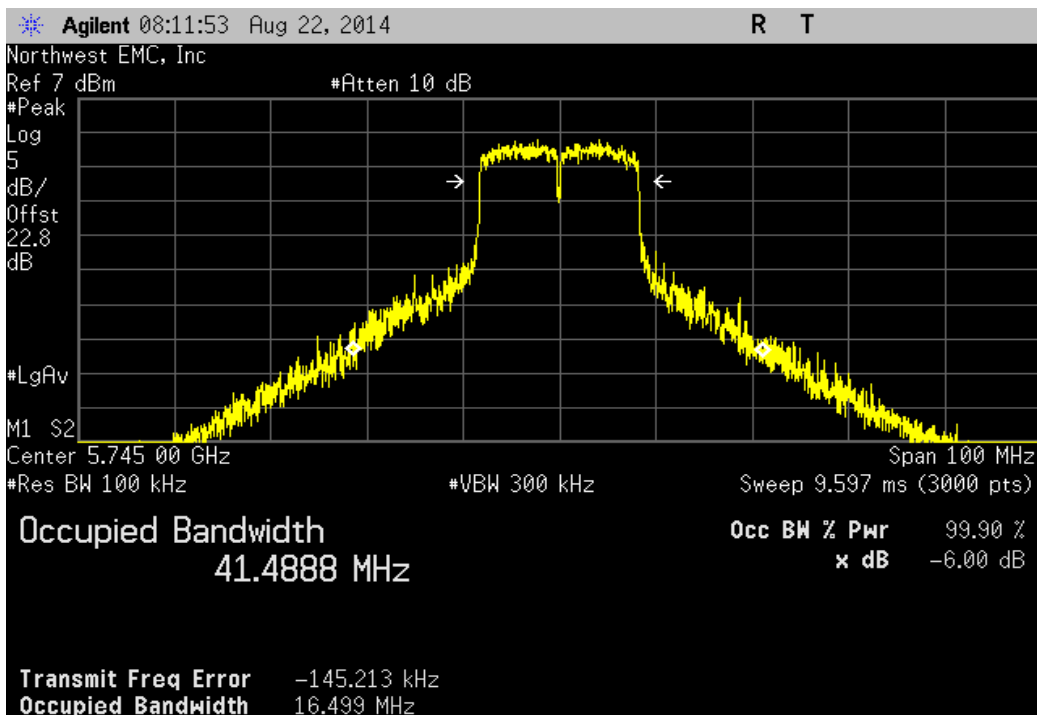
Port 2, 802.11(n) MCS7, High Channel 11, 2462 MHz

Value	Limit (>)	Result
17.754 MHz	500 kHz	Pass



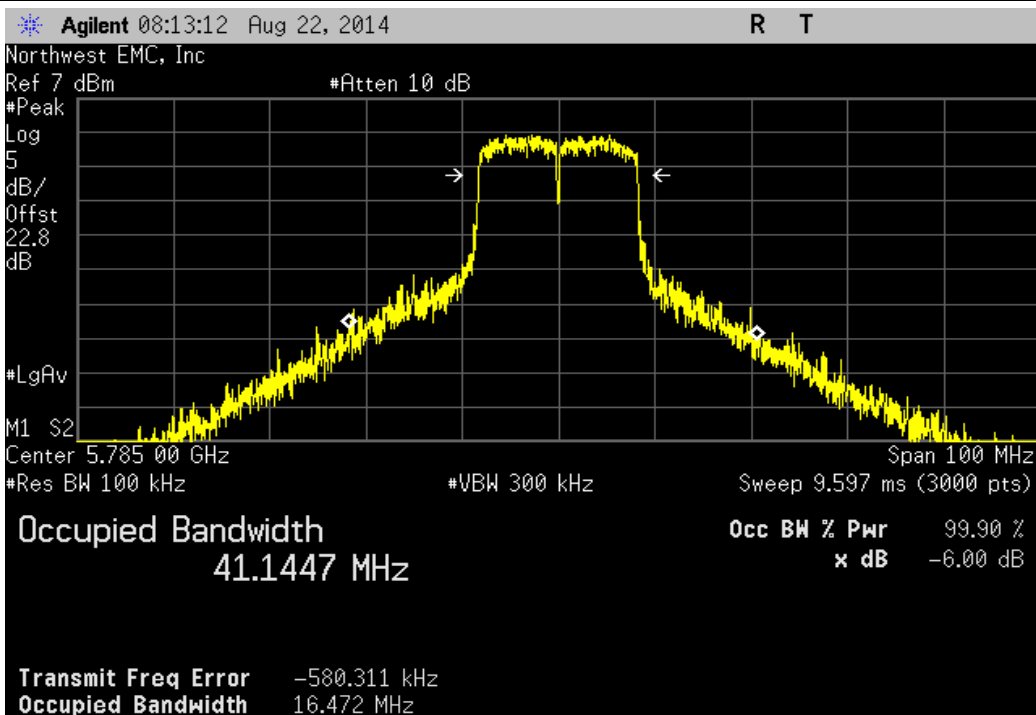
Port 2, 802.11(a) 6 Mbps, Low Channel 149, 5745 MHz

Value	Limit (>)	Result
16.499 MHz	500 kHz	Pass



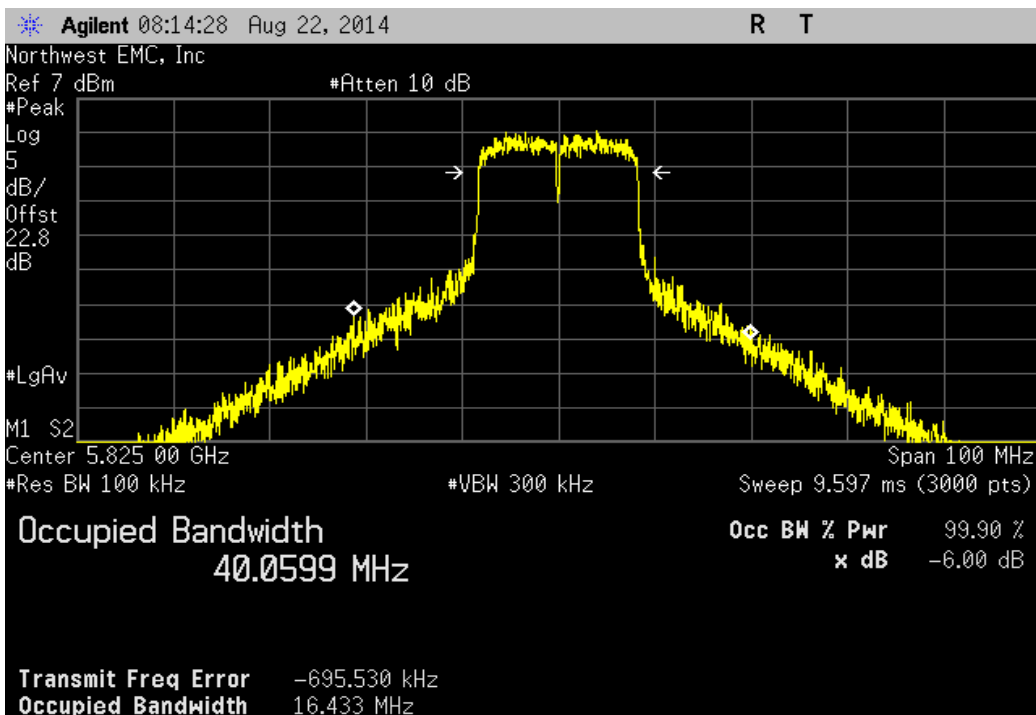
Port 2, 802.11(a) 6 Mbps, Mid Channel 157, 5785 MHz

	Value	Limit (>)	Result
	16.472 MHz	500 kHz	Pass



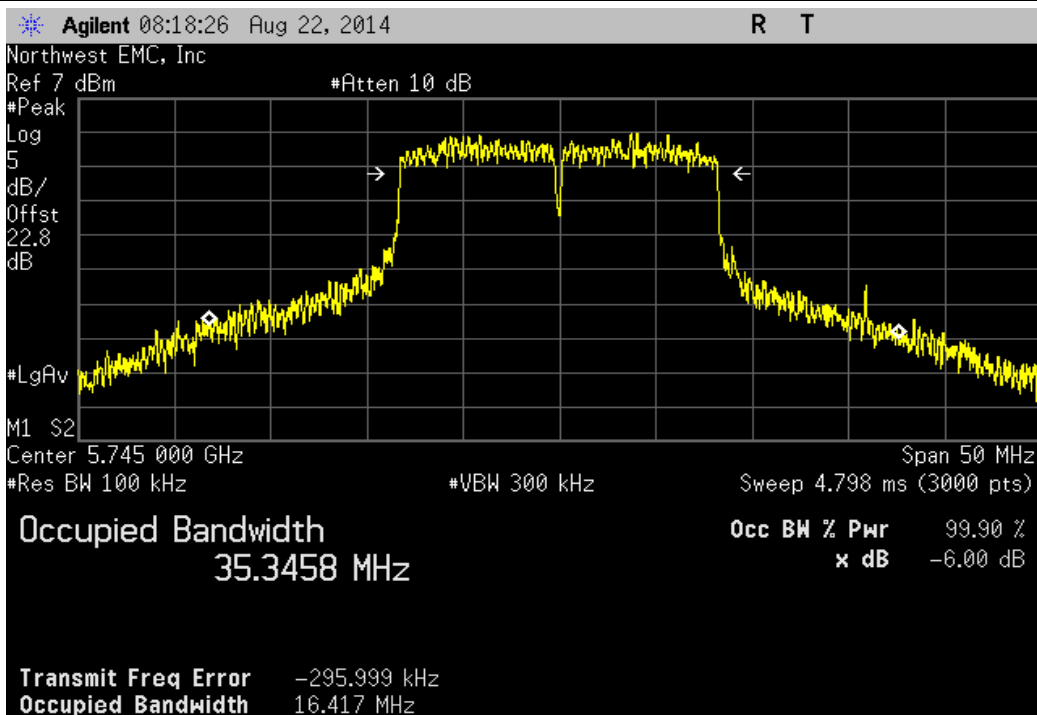
Port 2, 802.11(a) 6 Mbps, High Channel 165, 5825 MHz

	Value	Limit (>)	Result
	16.433 MHz	500 kHz	Pass



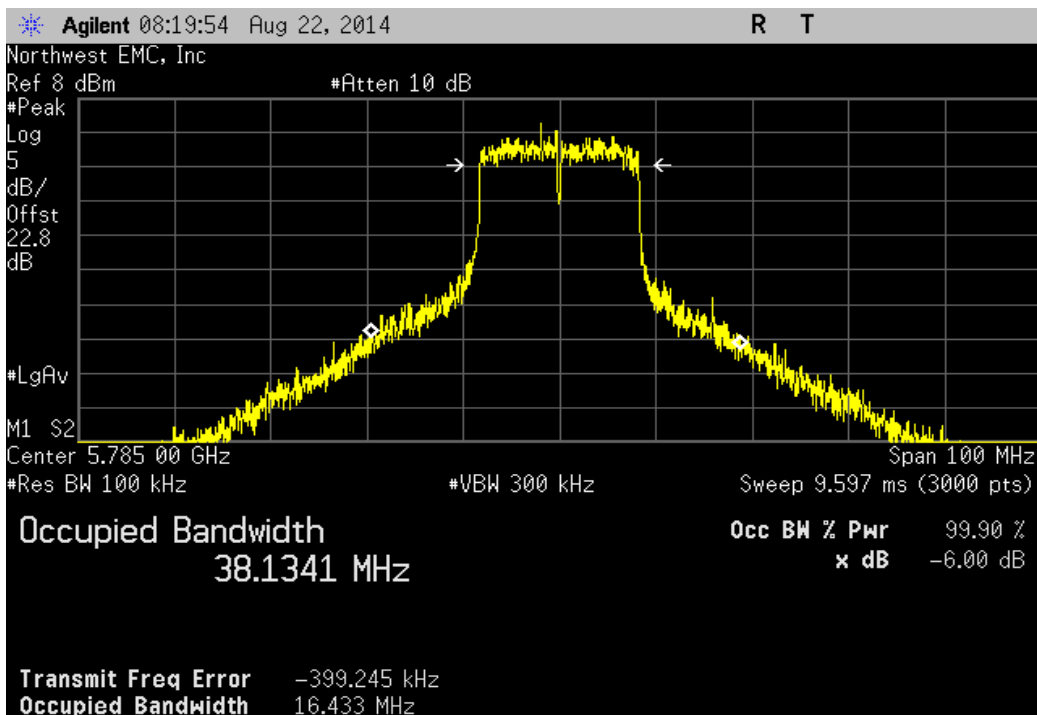
Port 2, 802.11(a) 36 Mbps, Low Channel 149, 5745 MHz

	Value	Limit (>)	Result
	16.417 MHz	500 kHz	Pass



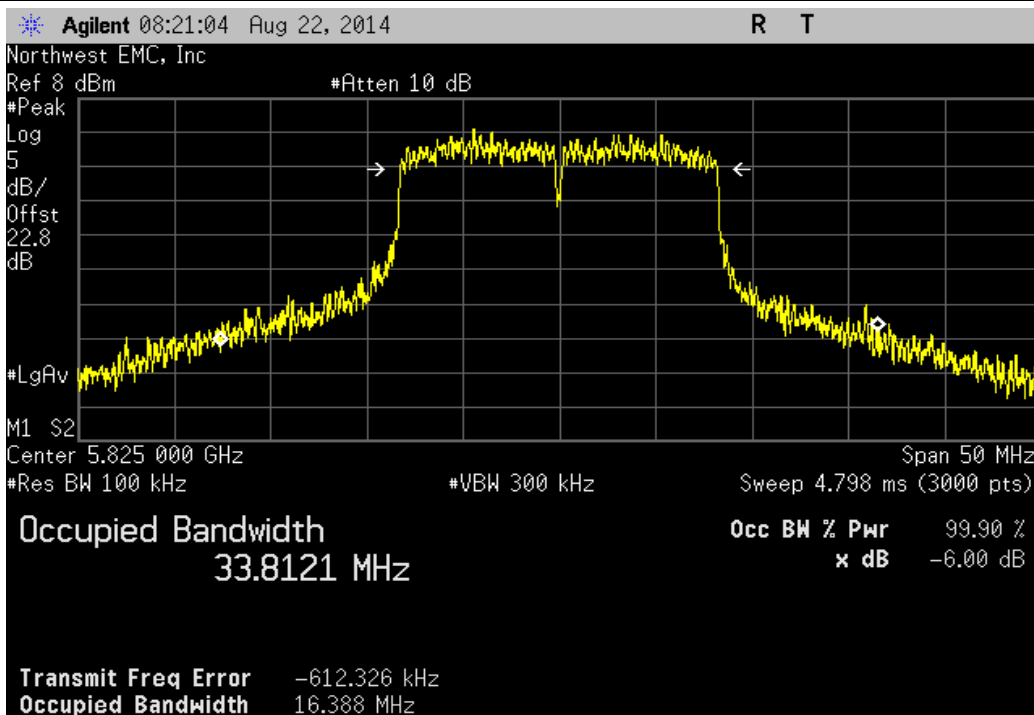
Port 2, 802.11(a) 36 Mbps, Mid Channel 157, 5785 MHz

	Value	Limit (>)	Result
	16.433 MHz	500 kHz	Pass



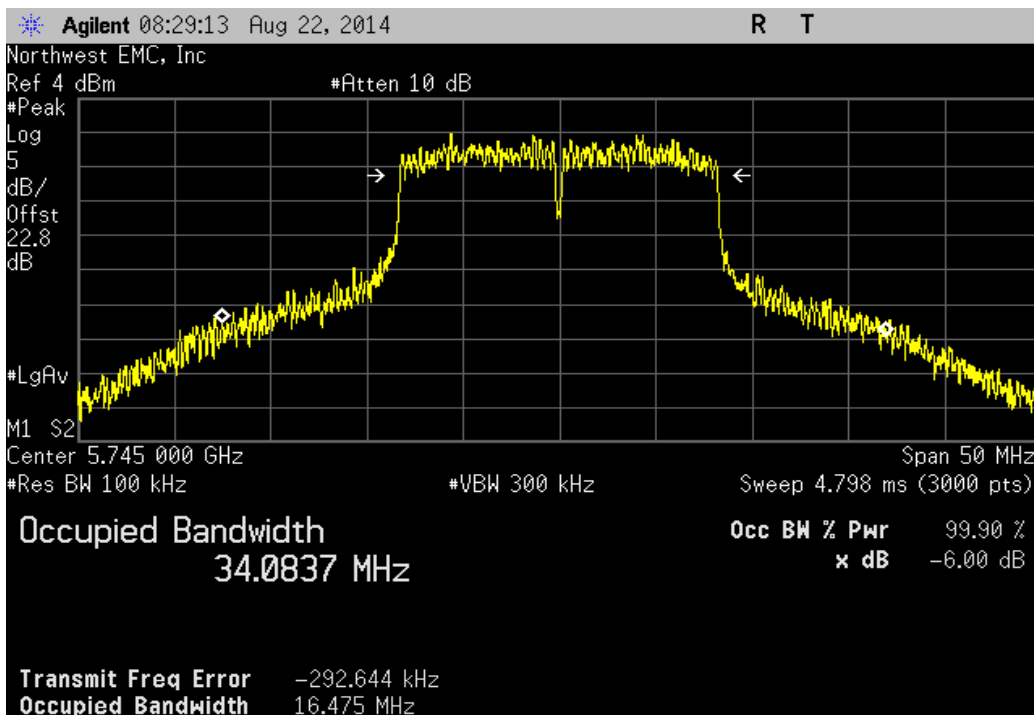
Port 2, 802.11(a) 36 Mbps, High Channel 165, 5825 MHz

				Value	Limit (>)	Result
				16.388 MHz	500 kHz	Pass



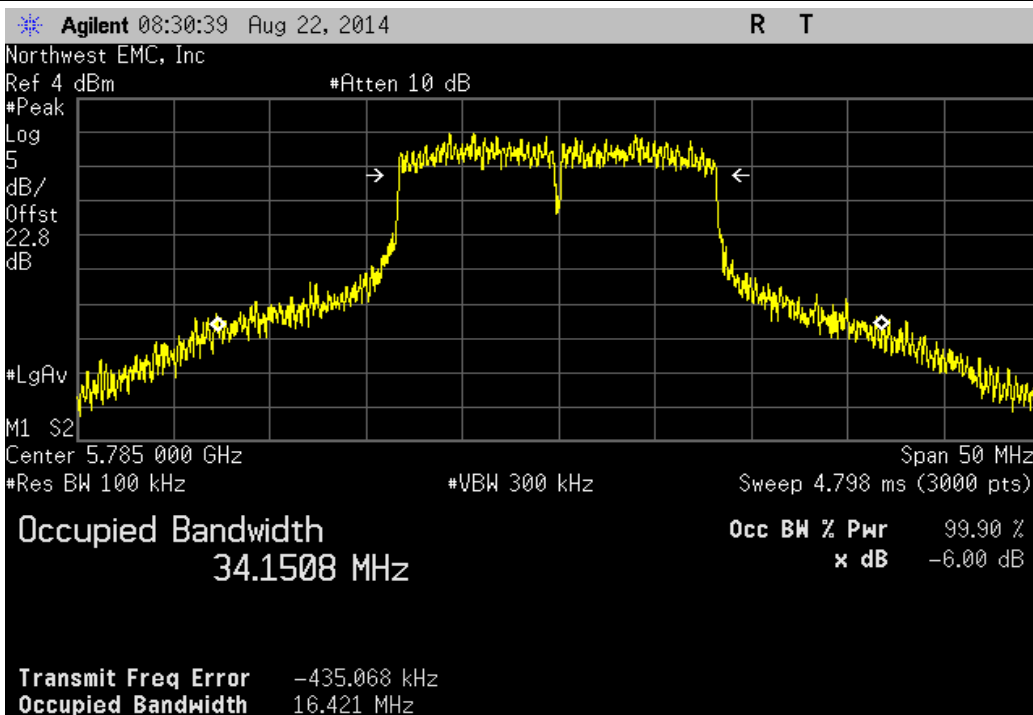
Port 2, 802.11(a) 54 Mbps, Low Channel 149, 5745 MHz

				Value	Limit (>)	Result
				16.475 MHz	500 kHz	Pass



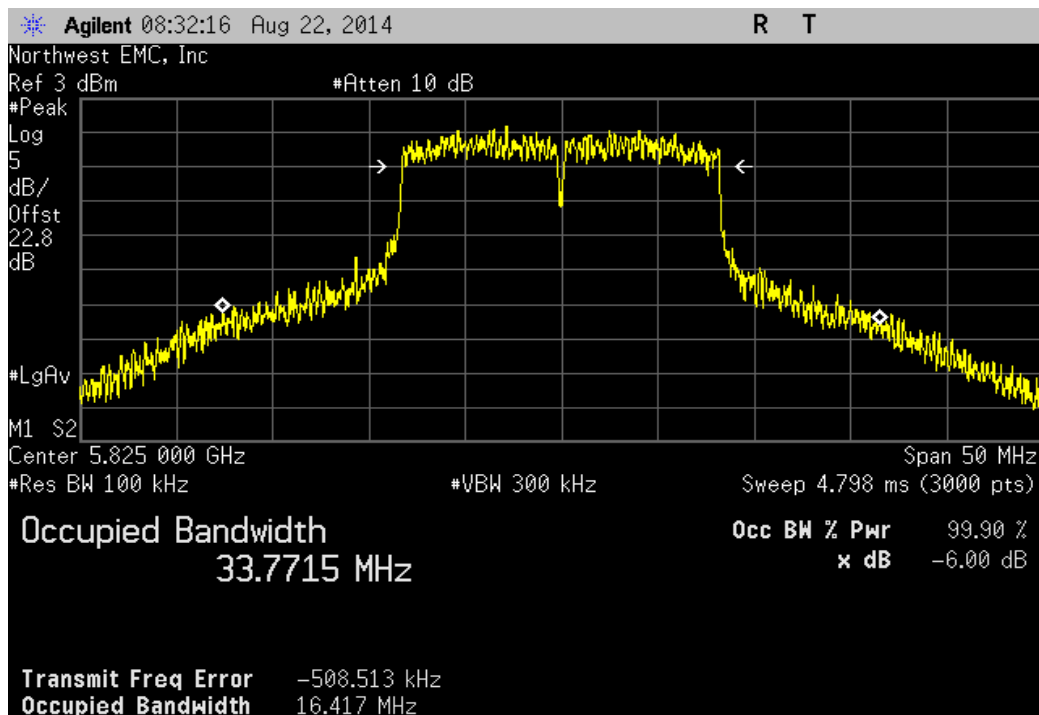
Port 2, 802.11(a) 54 Mbps, Mid Channel 157, 5785 MHz

	Value	Limit (>)	Result
	16.421 MHz	500 kHz	Pass



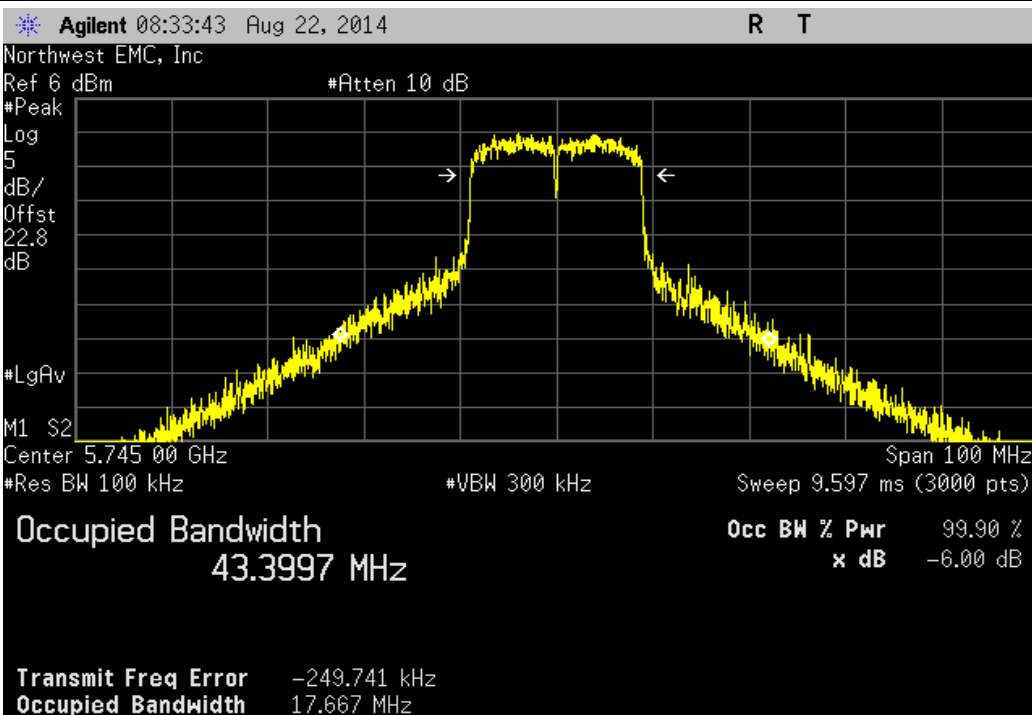
Port 2, 802.11(a) 54 Mbps, High Channel 165, 5825 MHz

	Value	Limit (>)	Result
	16.417 MHz	500 kHz	Pass



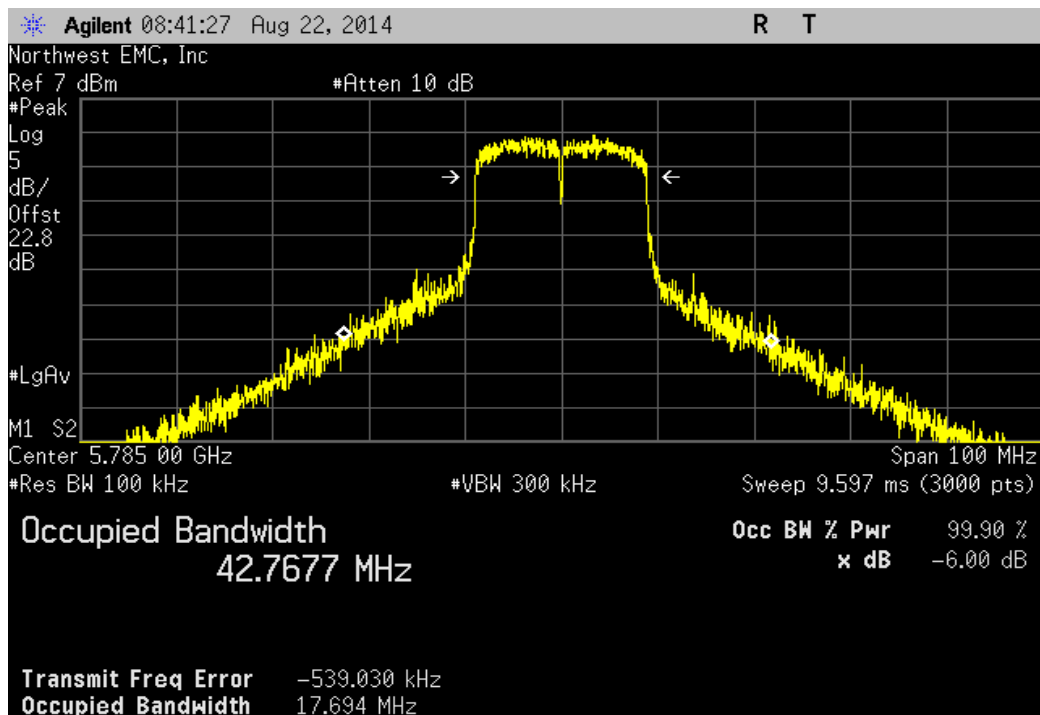
Port 2, 802.11(n) MCS0 - UNII, Low Channel 149, 5745 MHz

Value	Limit (>)	Result
17.667 MHz	500 kHz	Pass



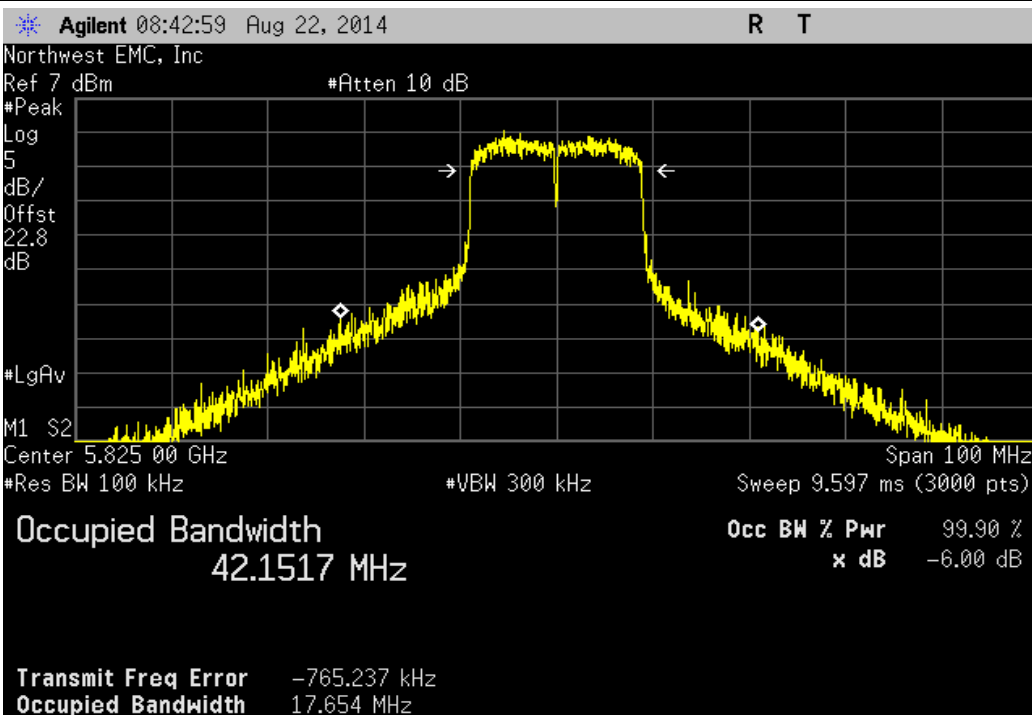
Port 2, 802.11(n) MCS0 - UNII, Mid Channel 157, 5785 MHz

Value	Limit (>)	Result
17.694 MHz	500 kHz	Pass



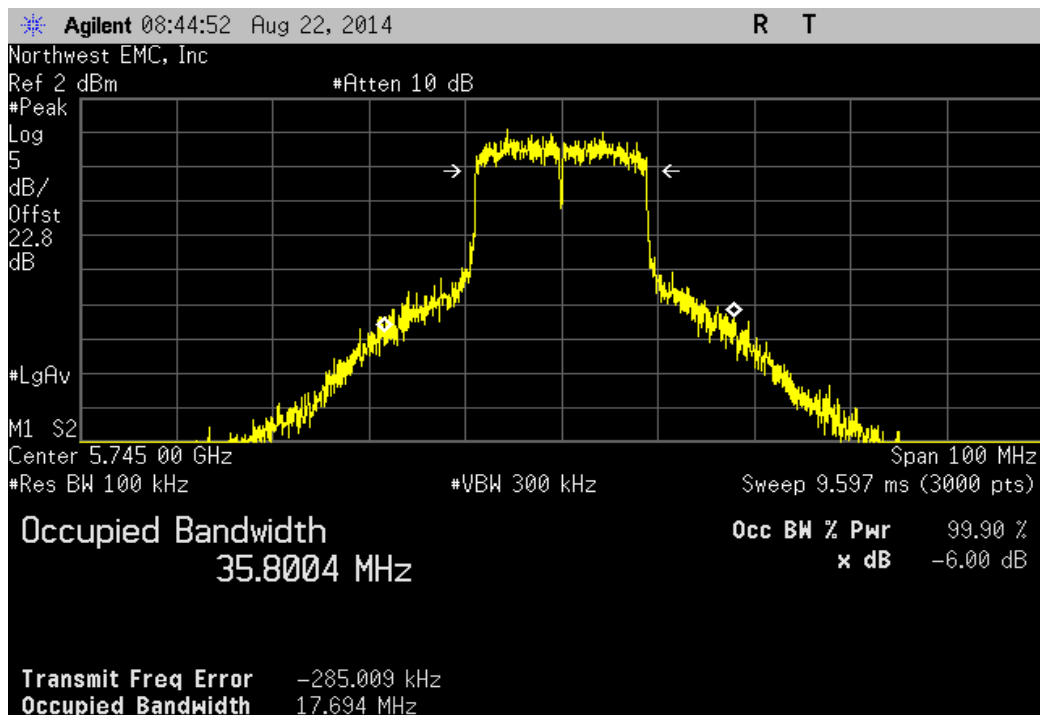
Port 2, 802.11(n) MCS0 - UNII, High Channel 165, 5825 MHz

Value	Limit (>)	Result
17.654 MHz	500 kHz	Pass



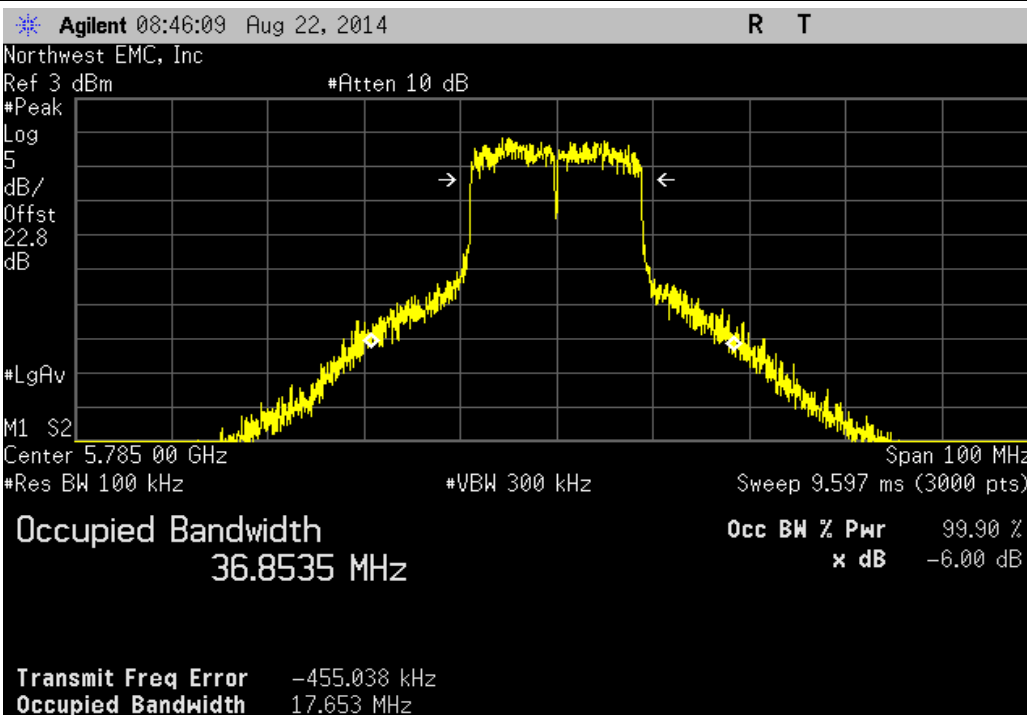
Port 2, 802.11(n) MCS7 - UNII, Low Channel 149, 5745 MHz

Value	Limit (>)	Result
17.694 MHz	500 kHz	Pass



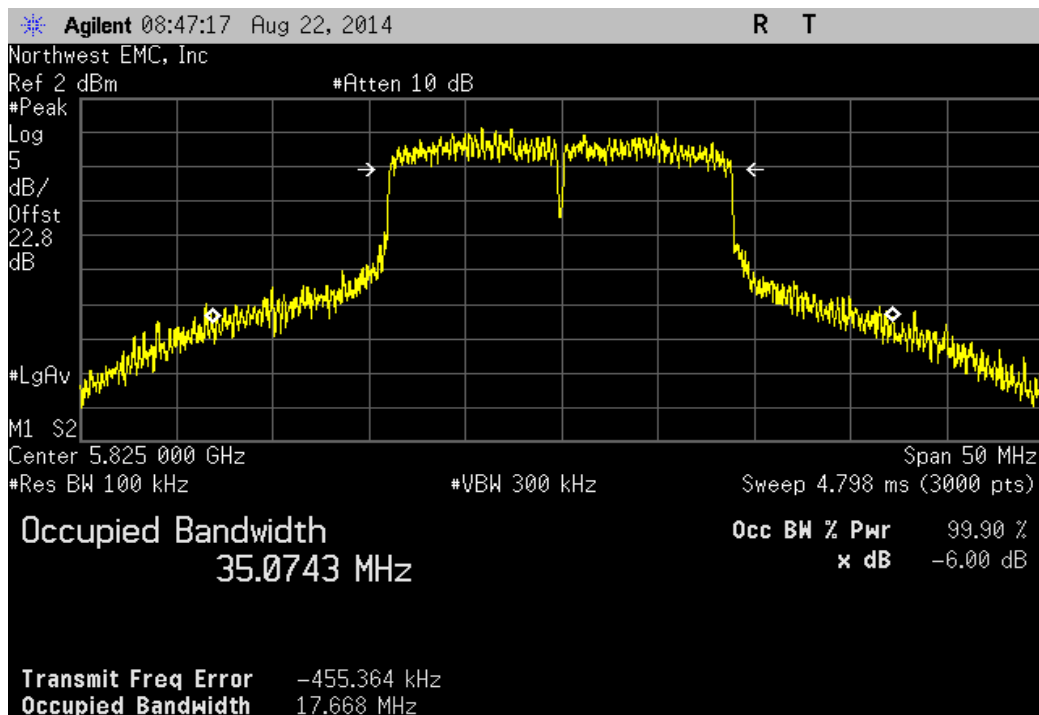
Port 2, 802.11(n) MCS7 - UNII, Mid Channel 157, 5785 MHz

				Value	Limit (>)	Result
				17.653 MHz	500 kHz	Pass



Port 2, 802.11(n) MCS7 - UNII, High Channel 165, 5825 MHz

				Value	Limit (>)	Result
				17.668 MHz	500 kHz	Pass



OUTPUT POWER

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.	Interval (mo.)
Attenuator - 20db, 'SMA'	SM Electronics	SA26B-20	RFW	4/3/2014	12
40 GHz DC block	Fairview Microwave	SD3379	AMI	9/26/2013	12
Signal Generator MXG	Agilent	N5183A	TIK	6/7/2012	36
Spectrum Analyzer	Agilent	E4440A	AAX	4/28/2014	12

TEST DESCRIPTION

The transmit frequency was set to the required channels in each band. The transmit power was set to its default maximum. A direct connection was made between the RF output of the EUT and a spectrum analyzer. Attenuation and a DC block were used. The reference level offset on the spectrum analyzer was adjusted to compensate for cable loss and the external attenuation used between the RF output and the spectrum analyzer input.

Prior to measuring peak transmit power; the emission bandwidth (B) and the transmission pulse duration (T) were measured. Both are required to determine the method of measuring Maximum Conducted Output Power. The transmission pulse duration (T) was measured using a zero span on the spectrum analyzer to see the pulses in the time domain.

The channel power integration method found in KDB 558074 DTS D01 Measurement Section 9.1.2 was used because the DTS Bandwidth of the radio was greater than the RBW on the analyzer.

De Facto EIRP Limit: Per 47 CFR 15.247 (b)(1-3), the EUT meets the de facto EIRP limit of +36 dBm.



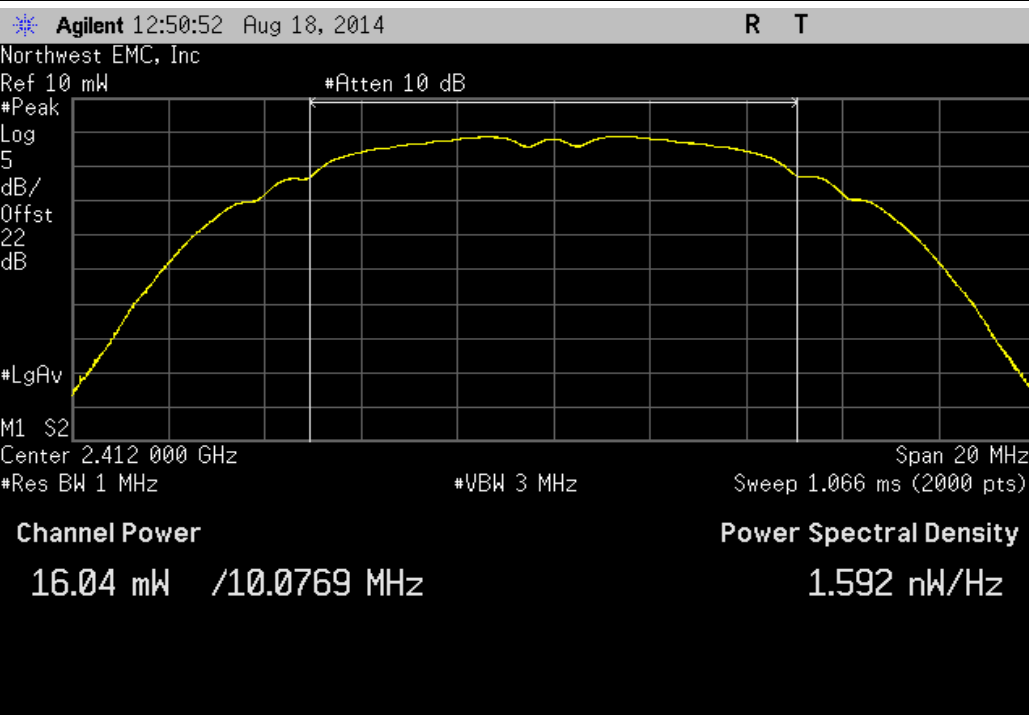
OUTPUT POWER

XMit 2014.02.07
NweTx 2014.07.18.3

EUT: ConnectCore6 (LMX6)		Work Order: ETHE0008	
Serial Number: 00409D7B8CA2		Date: 09/10/14	
Customer: Etherios Design Solutions		Temperature: 22.3°C	
Attendees: None		Humidity: 47%	
Project: None		Barometric Pres.: 1016.2	
Tested by: Trevor Buis		Power: 5.0VDC	Job Site: MN08
TEST SPECIFICATIONS		Test Method	
FCC 15.247:2014		ANSI C63.10:2009	
COMMENTS			
None			
DEVIATIONS FROM TEST STANDARD			
None			
Configuration #	1	Signature <i>Trevor Buis</i>	
		Value	Limit (c) Result
Port 1			
802.11(b) 1 Mbps			
Low Channel 1, 2412 MHz		16.041 mW	1 W Pass
Mid Channel 6, 2437 MHz		14.891 mW	1 W Pass
High Channel 11, 2462 MHz		13.297 mW	1 W Pass
802.11(b) 11 Mbps			
Low Channel 1, 2412 MHz		14.606 mW	1 W Pass
Mid Channel 6, 2437 MHz		13.615 mW	1 W Pass
High Channel 11, 2462 MHz		11.884 mW	1 W Pass
802.11(g) 6 Mbps			
Low Channel 1, 2412 MHz		17.544 mW	1 W Pass
Mid Channel 6, 2437 MHz		16.709 mW	1 W Pass
High Channel 11, 2462 MHz		15.558 mW	1 W Pass
802.11(g) 36 Mbps			
Low Channel 1, 2412 MHz		15.705 mW	1 W Pass
Mid Channel 6, 2437 MHz		14.549 mW	1 W Pass
High Channel 11, 2462 MHz		14.959 mW	1 W Pass
802.11(g) 54 Mbps			
Low Channel 1, 2412 MHz		15.77 mW	1 W Pass
Mid Channel 6, 2437 MHz		14.825 mW	1 W Pass
High Channel 11, 2462 MHz		14.747 mW	1 W Pass
802.11(n) MCS0			
Low Channel 1, 2412 MHz		15.485 mW	1 W Pass
Mid Channel 6, 2437 MHz		16.401 mW	1 W Pass
High Channel 11, 2462 MHz		14.887 mW	1 W Pass
802.11(n) MCS7			
Low Channel 1, 2412 MHz		7.745 mW	1 W Pass
Mid Channel 6, 2437 MHz		7.54 mW	1 W Pass
High Channel 11, 2462 MHz		9.63 mW	1 W Pass
802.11(a) 6 Mbps			
Low Channel 149, 5745 MHz		49.182 mW	1 W Pass
Mid Channel 157, 5785 MHz		52.244 mW	1 W Pass
High Channel 165, 5825 MHz		54.96 mW	1 W Pass
802.11(a) 36 Mbps			
Low Channel 149, 5745 MHz		49.586 mW	1 W Pass
Mid Channel 157, 5785 MHz		58.417 mW	1 W Pass
High Channel 165, 5825 MHz		62.423 mW	1 W Pass
802.11(a) 54 Mbps			
Low Channel 149, 5745 MHz		24.59 mW	1 W Pass
Mid Channel 157, 5785 MHz		26.061 mW	1 W Pass
High Channel 165, 5825 MHz		26.097 mW	1 W Pass
802.11(n) MCS0 - UNII			
Low Channel 149, 5745 MHz		53.639 mW	1 W Pass
Mid Channel 157, 5785 MHz		58.514 mW	1 W Pass
High Channel 165, 5825 MHz		57.596 mW	1 W Pass
802.11(n) MCS7 - UNII			
Low Channel 149, 5745 MHz		17.564 mW	1 W Pass
Mid Channel 157, 5785 MHz		22.751 mW	1 W Pass
High Channel 165, 5825 MHz		22.544 mW	1 W Pass
Port 2			
802.11(b) 1 Mbps			
Low Channel 1, 2412 MHz		14.471 mW	1 W Pass
Mid Channel 6, 2437 MHz		16.037 mW	1 W Pass
High Channel 11, 2462 MHz		12.816 mW	1 W Pass
802.11(b) 11 Mbps			
Low Channel 1, 2412 MHz		15.108 mW	1 W Pass
Mid Channel 6, 2437 MHz		14.37 mW	1 W Pass
High Channel 11, 2462 MHz		11.875 mW	1 W Pass
802.11(g) 6 Mbps			
Low Channel 1, 2412 MHz		16.966 mW	1 W Pass
Mid Channel 6, 2437 MHz		16.376 mW	1 W Pass
High Channel 11, 2462 MHz		14.778 mW	1 W Pass
802.11(g) 36 Mbps			
Low Channel 1, 2412 MHz		16.551 mW	1 W Pass
Mid Channel 6, 2437 MHz		16.206 mW	1 W Pass
High Channel 11, 2462 MHz		14.534 mW	1 W Pass
802.11(g) 54 Mbps			
Low Channel 1, 2412 MHz		16.522 mW	1 W Pass
Mid Channel 6, 2437 MHz		14.582 mW	1 W Pass
High Channel 11, 2462 MHz		14.542 mW	1 W Pass
802.11(n) MCS0			
Low Channel 1, 2412 MHz		15.155 mW	1 W Pass
Mid Channel 6, 2437 MHz		16.277 mW	1 W Pass
High Channel 11, 2462 MHz		14.611 mW	1 W Pass
802.11(n) MCS7			
Low Channel 1, 2412 MHz		7.603 mW	1 W Pass
Mid Channel 6, 2437 MHz		7.507 mW	1 W Pass
High Channel 11, 2462 MHz		9.571 mW	1 W Pass
802.11(a) 6 Mbps			
Low Channel 149, 5745 MHz		46.776 mW	1 W Pass
Mid Channel 157, 5785 MHz		57.324 mW	1 W Pass
High Channel 165, 5825 MHz		57.325 mW	1 W Pass
802.11(a) 36 Mbps			
Low Channel 149, 5745 MHz		43.495 mW	1 W Pass
Mid Channel 157, 5785 MHz		57.933 mW	1 W Pass
High Channel 165, 5825 MHz		54.647 mW	1 W Pass
802.11(a) 54 Mbps			
Low Channel 149, 5745 MHz		17.771 mW	1 W Pass
Mid Channel 157, 5785 MHz		19.745 mW	1 W Pass
High Channel 165, 5825 MHz		19.625 mW	1 W Pass
802.11(n) MCS0 - UNII			
Low Channel 149, 5745 MHz		47.693 mW	1 W Pass
Mid Channel 157, 5785 MHz		57.197 mW	1 W Pass
High Channel 165, 5825 MHz		58.254 mW	1 W Pass
802.11(n) MCS7 - UNII			
Low Channel 149, 5745 MHz		13.002 mW	1 W Pass
Mid Channel 157, 5785 MHz		16.456 mW	1 W Pass
High Channel 165, 5825 MHz		15.287 mW	1 W Pass

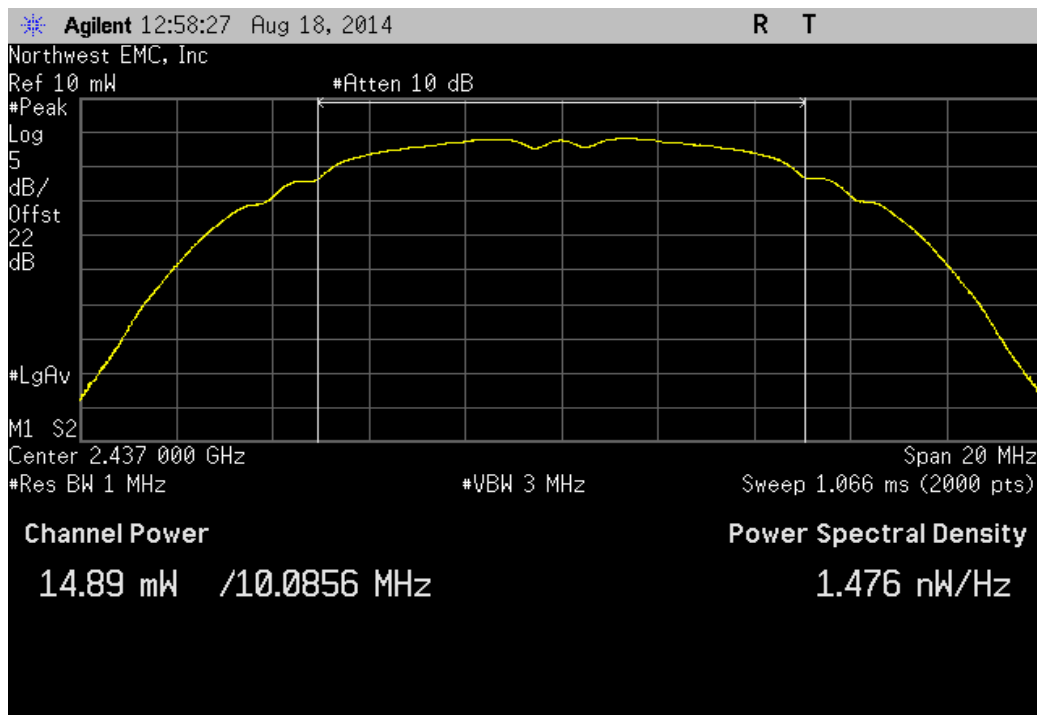
Port 1, 802.11(b) 1 Mbps, Low Channel 1, 2412 MHz

Value	Limit (<)	Result
16.041 mW	1 W	Pass



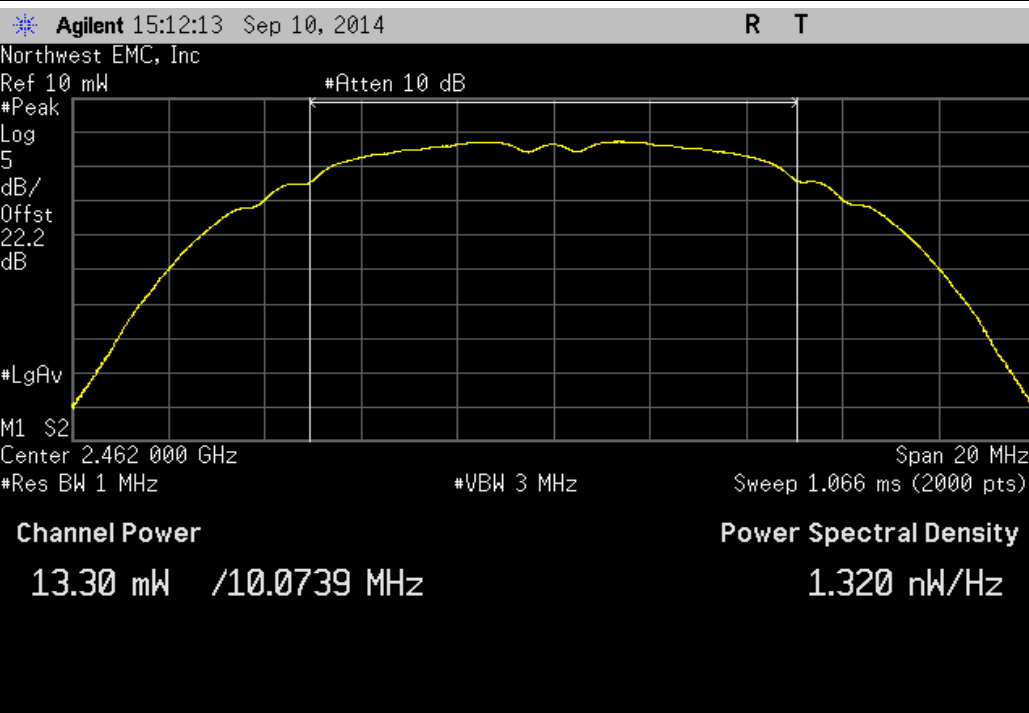
Port 1, 802.11(b) 1 Mbps, Mid Channel 6, 2437 MHz

Value	Limit (<)	Result
14.891 mW	1 W	Pass



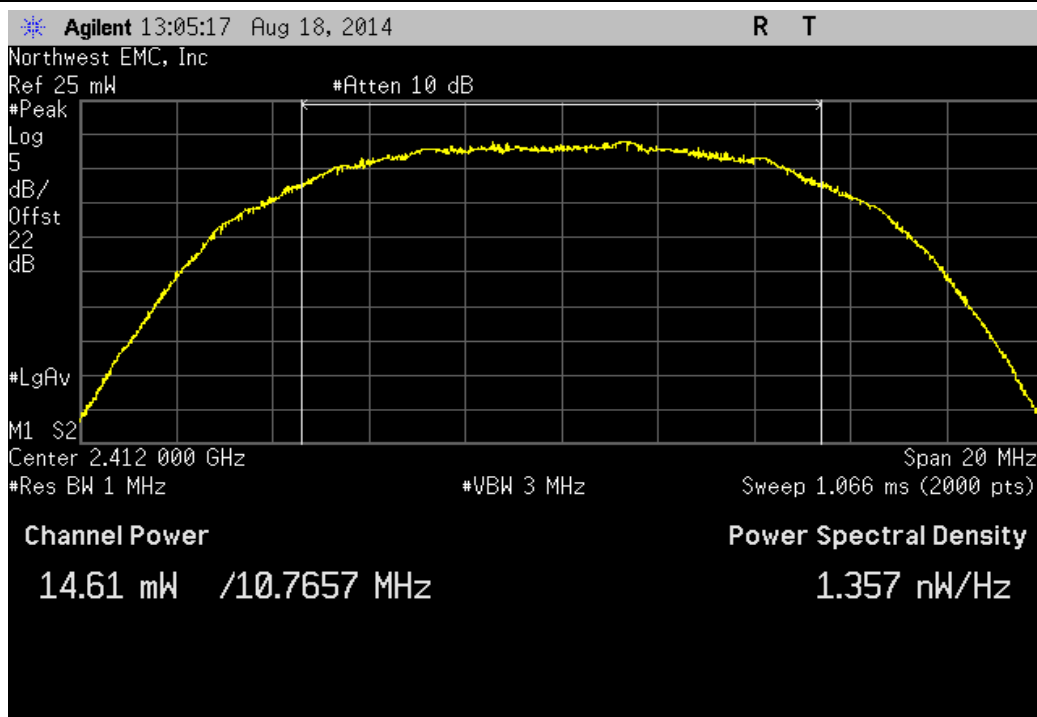
Port 1, 802.11(b) 1 Mbps, High Channel 11, 2462 MHz

Value	Limit (<)	Result
13.297 mW	1 W	Pass



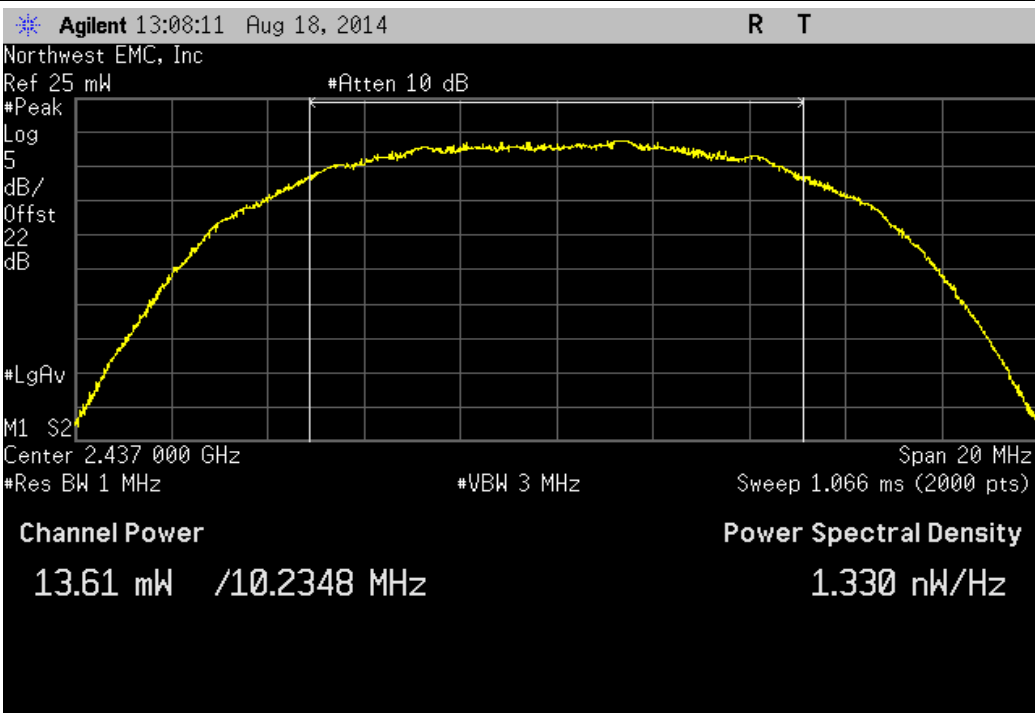
Port 1, 802.11(b) 11 Mbps, Low Channel 1, 2412 MHz

Value	Limit (<)	Result
14.606 mW	1 W	Pass



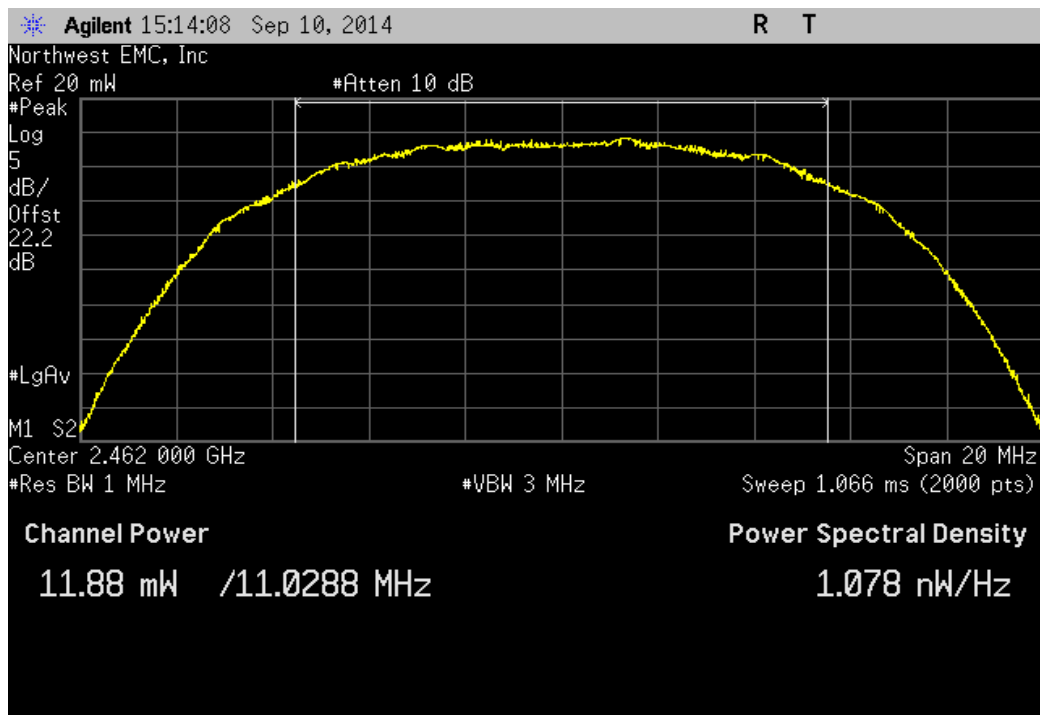
Port 1, 802.11(b) 11 Mbps, Mid Channel 6, 2437 MHz

Value	Limit (<)	Result
13.615 mW	1 W	Pass



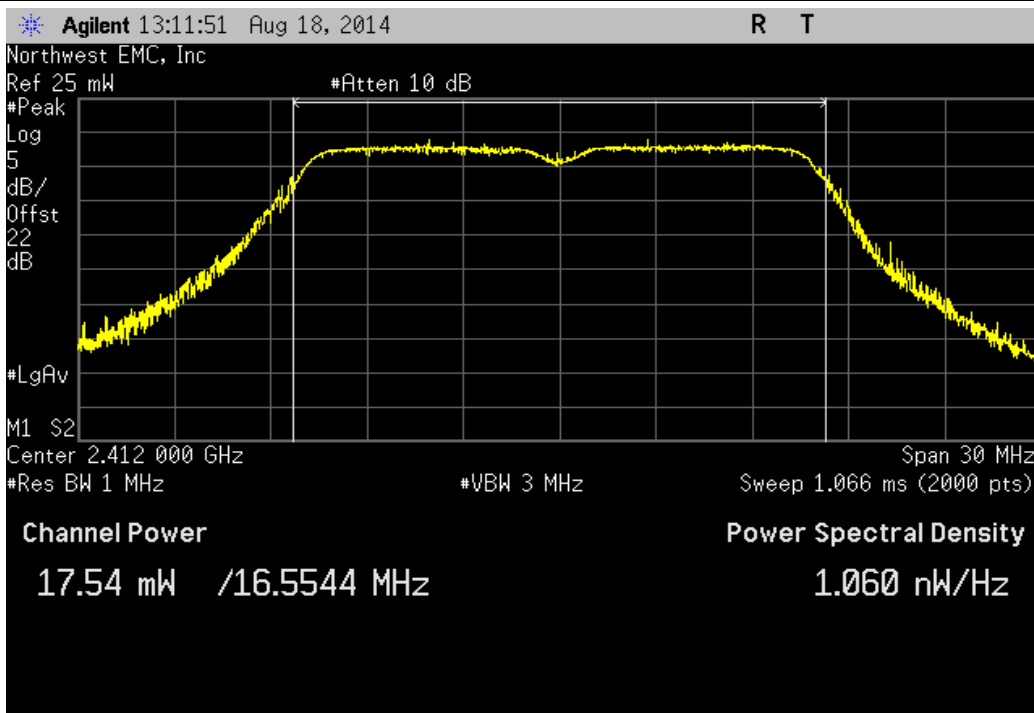
Port 1, 802.11(b) 11 Mbps, High Channel 11, 2462 MHz

Value	Limit (<)	Result
11.884 mW	1 W	Pass



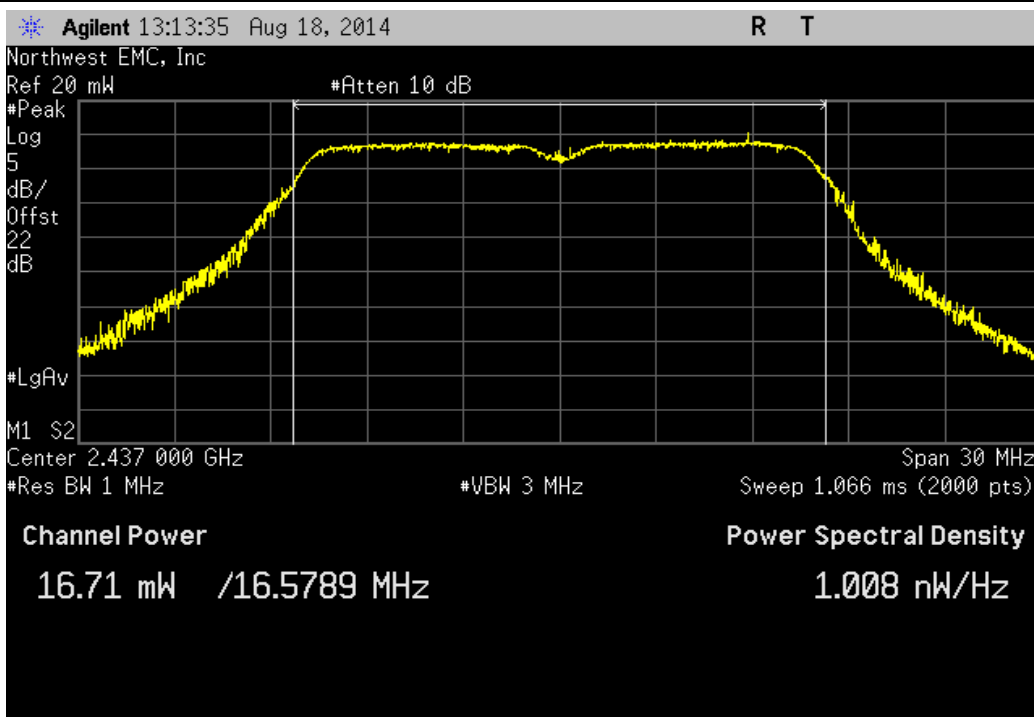
Port 1, 802.11(g) 6 Mbps, Low Channel 1, 2412 MHz

	Value	Limit (<)	Result
	17.544 mW	1 W	Pass



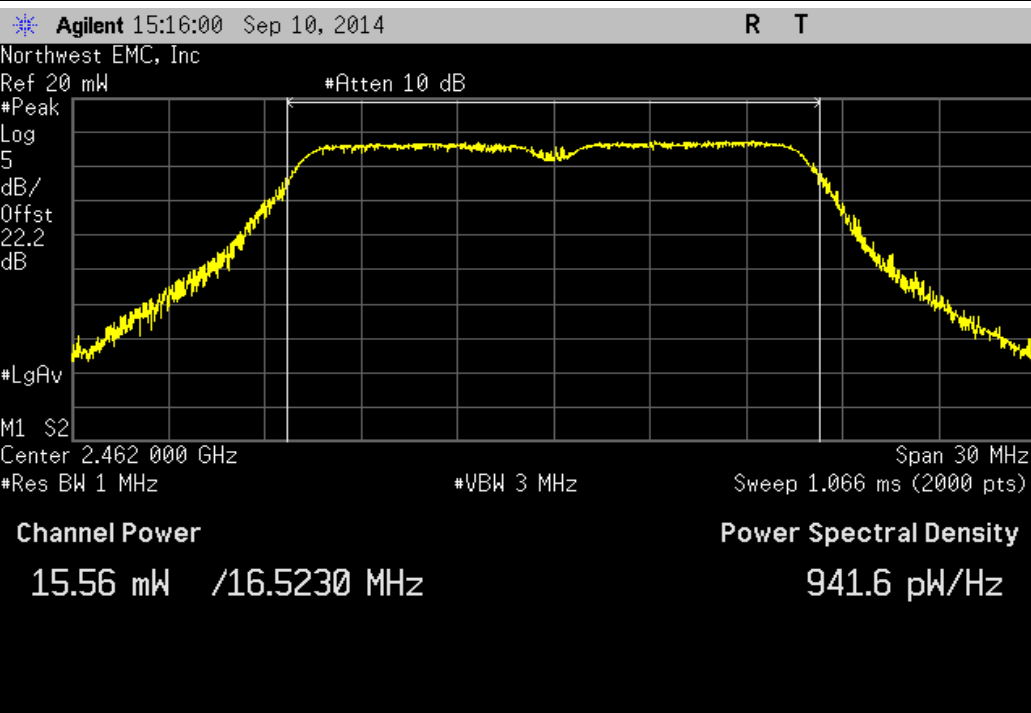
Port 1, 802.11(g) 6 Mbps, Mid Channel 6, 2437 MHz

	Value	Limit (<)	Result
	16.709 mW	1 W	Pass



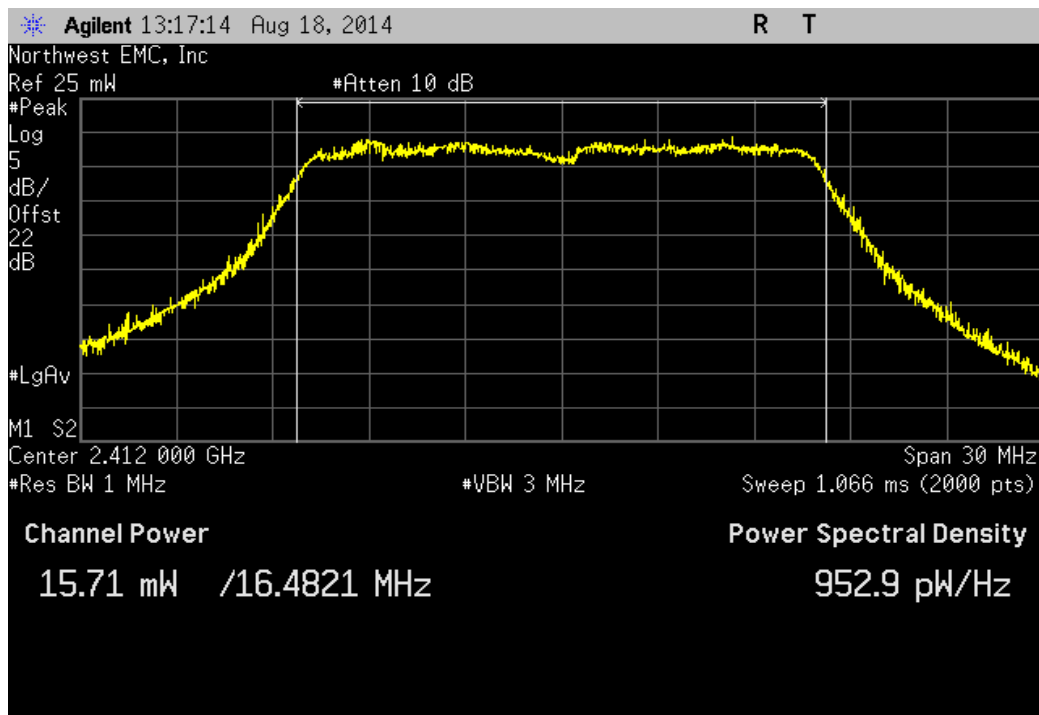
Port 1, 802.11(g) 6 Mbps, High Channel 11, 2462 MHz

Value	Limit (<)	Result
15.558 mW	1 W	Pass



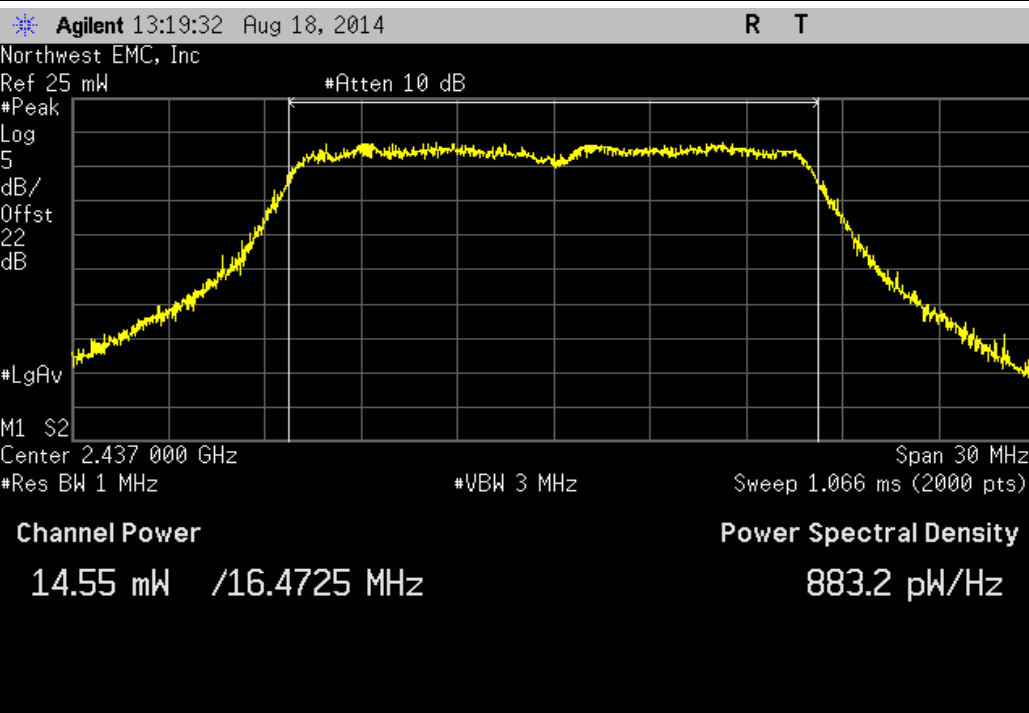
Port 1, 802.11(g) 36 Mbps, Low Channel 1, 2412 MHz

Value	Limit (<)	Result
15.705 mW	1 W	Pass



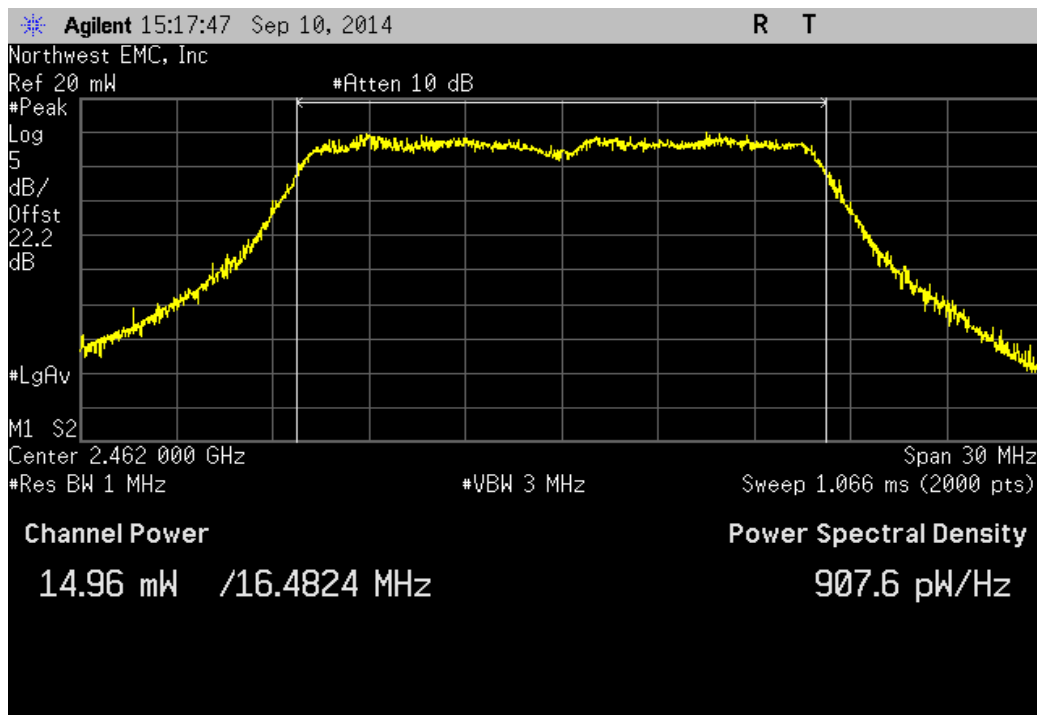
Port 1, 802.11(g) 36 Mbps, Mid Channel 6, 2437 MHz

Value	Limit (<)	Result
14.549 mW	1 W	Pass



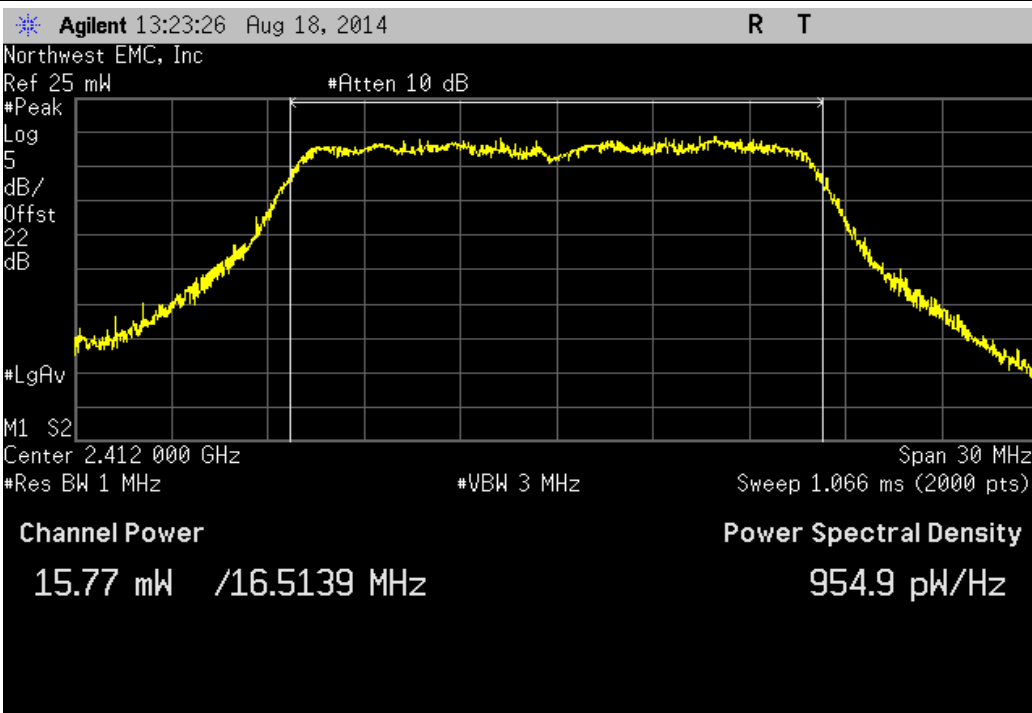
Port 1, 802.11(g) 36 Mbps, High Channel 11, 2462 MHz

Value	Limit (<)	Result
14.959 mW	1 W	Pass



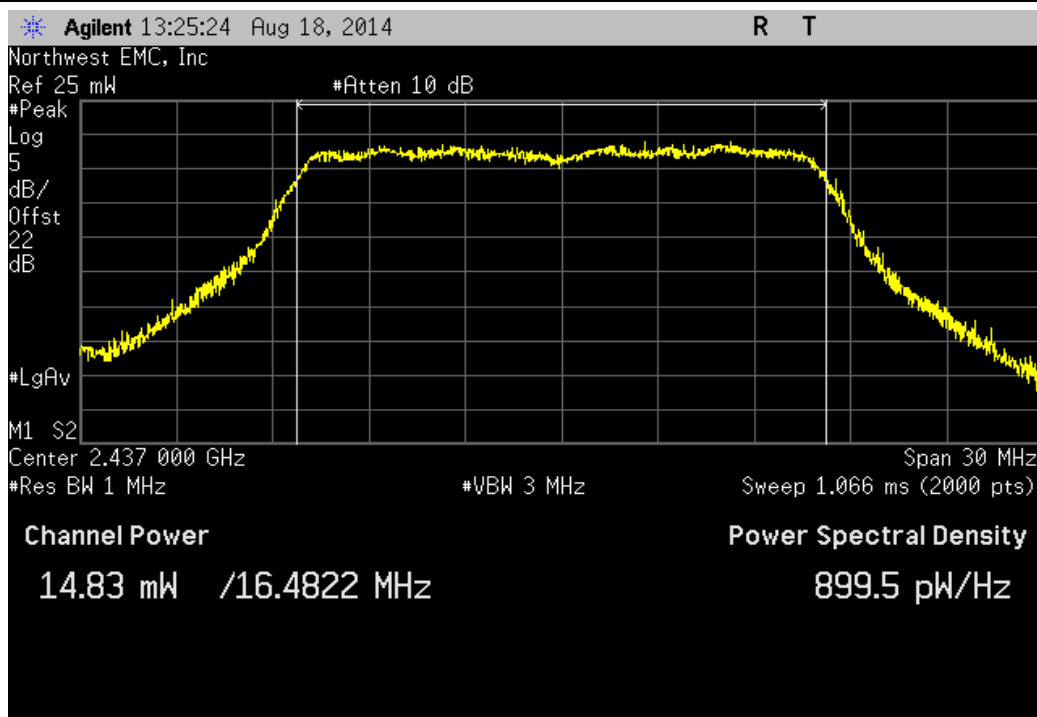
Port 1, 802.11(g) 54 Mbps, Low Channel 1, 2412 MHz

Value	Limit (<)	Result
15.77 mW	1 W	Pass



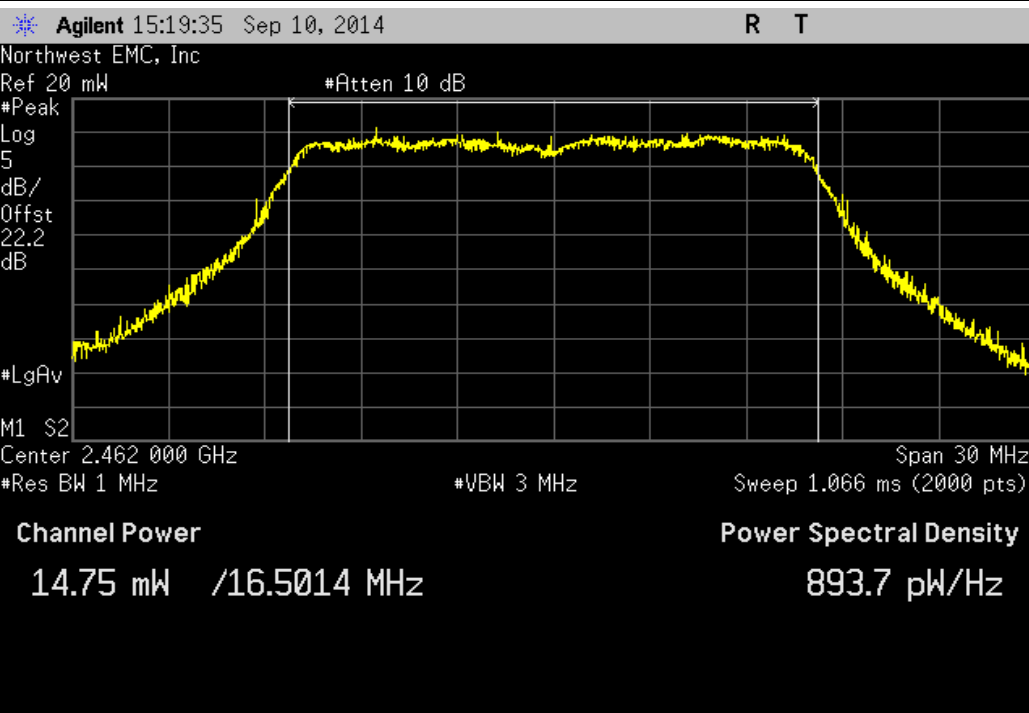
Port 1, 802.11(g) 54 Mbps, Mid Channel 6, 2437 MHz

Value	Limit (<)	Result
14.825 mW	1 W	Pass



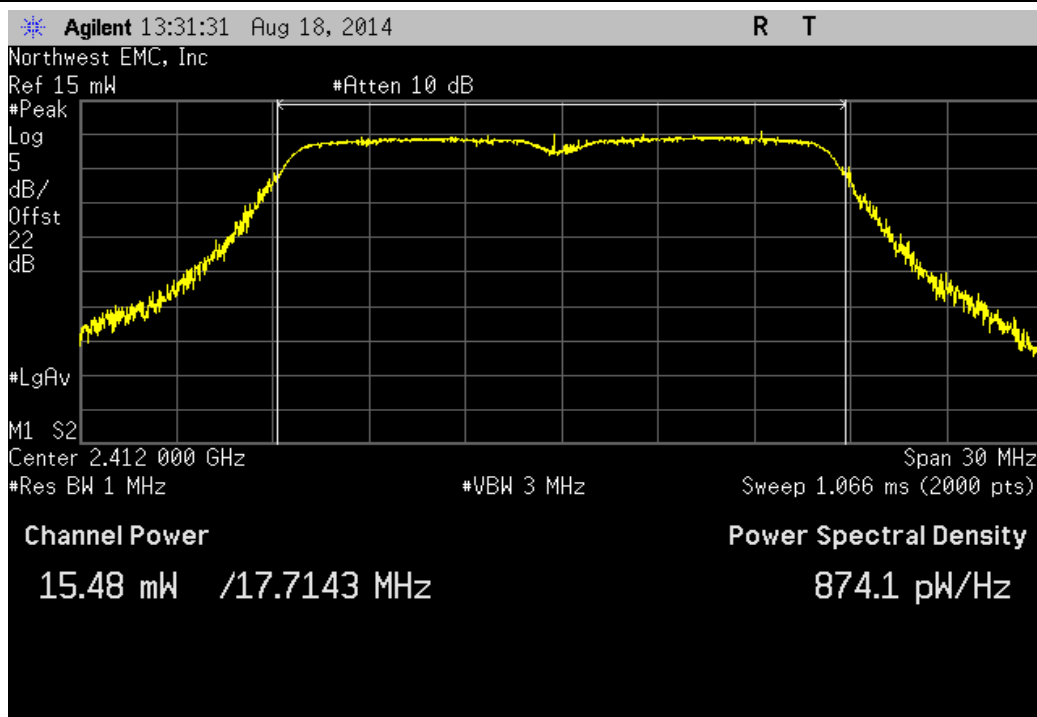
Port 1, 802.11(g) 54 Mbps, High Channel 11, 2462 MHz

Value	Limit (<)	Result
14.747 mW	1 W	Pass



Port 1, 802.11(n) MCS0, Low Channel 1, 2412 MHz

Value	Limit (<)	Result
15.485 mW	1 W	Pass



Port 1, 802.11(n) MCS0, Mid Channel 6, 2437 MHz

Value	Limit (<)	Result
16.401 mW	1 W	Pass

Agilent 13:33:46 Aug 18, 2014

R T

Northwest EMC, Inc

Ref 20 mW

#Atten 10 dB

#Peak

Log

5

dB/

Offst

22

dB

#LgAv

M1 S2

Center 2.437 000 GHz

Span 30 MHz

#Res BW 1 MHz

#VBW 3 MHz

Sweep 1.066 ms (2000 pts)

Channel Power

Power Spectral Density

16.40 mW /17.6808 MHz

927.6 pW/Hz

Port 1, 802.11(n) MCS0, High Channel 11, 2462 MHz

Value	Limit (<)	Result
14.887 mW	1 W	Pass

Agilent 15:21:21 Sep 10, 2014

R T

Northwest EMC, Inc

Ref 15 mW

#Atten 10 dB

#Peak

Log

5

dB/

Offst

22.2

dB

#LgAv

M1 S2

Center 2.462 000 GHz

Span 30 MHz

#Res BW 1 MHz

#VBW 3 MHz

Sweep 1.066 ms (2000 pts)

Channel Power

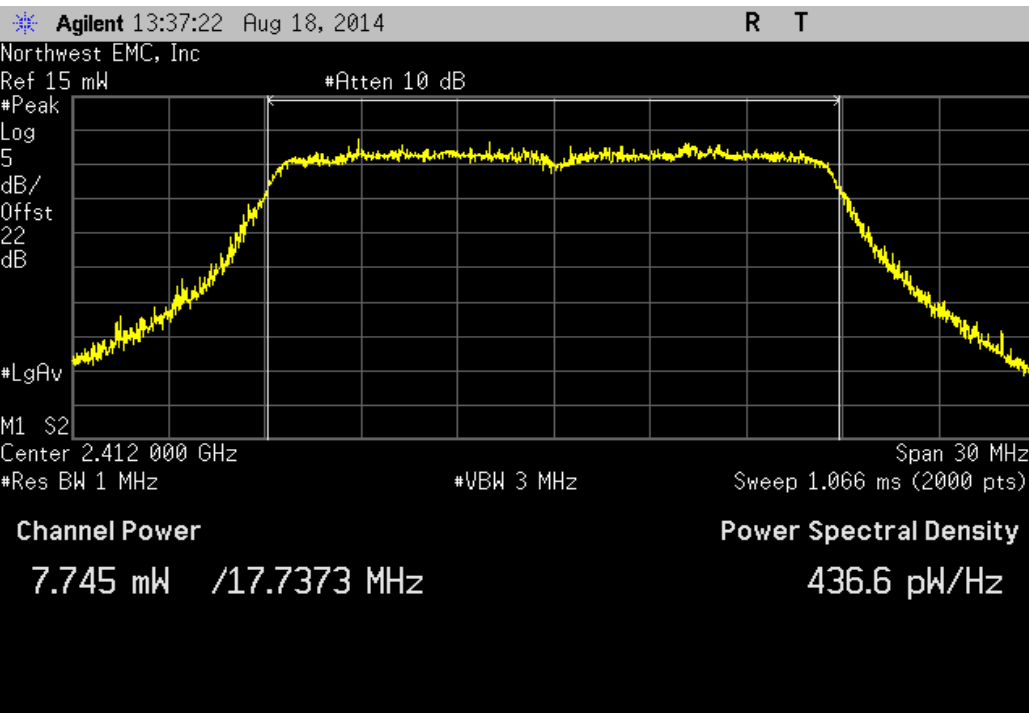
Power Spectral Density

14.89 mW /17.6976 MHz

841.2 pW/Hz

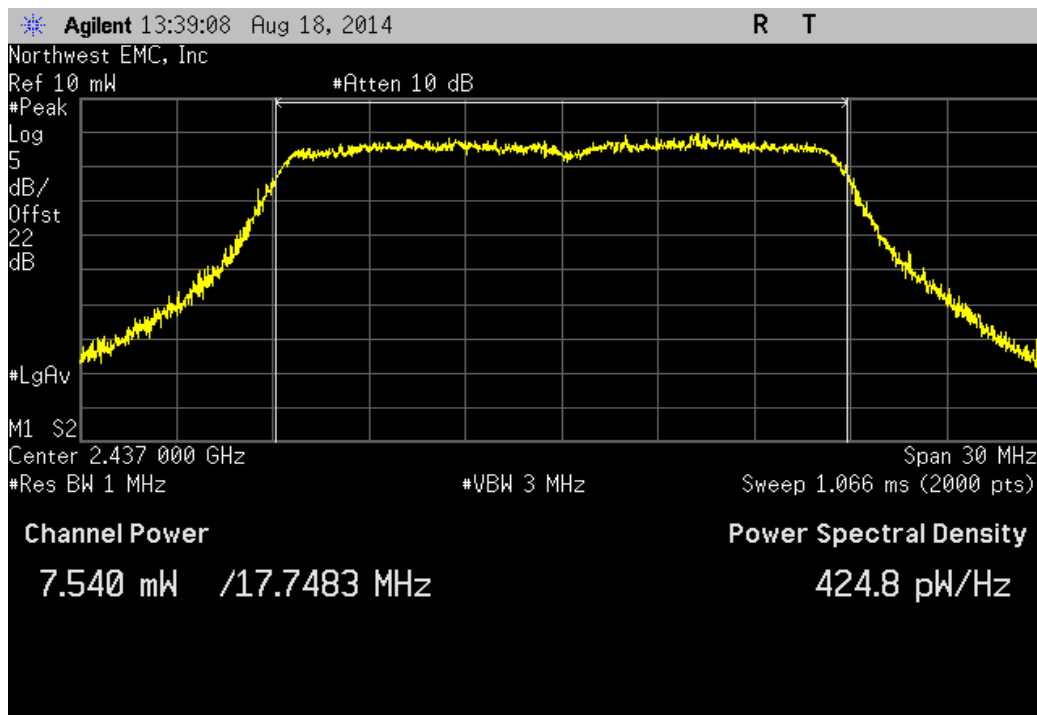
Port 1, 802.11(n) MCS7, Low Channel 1, 2412 MHz

Value	Limit (<)	Result
7.745 mW	1 W	Pass



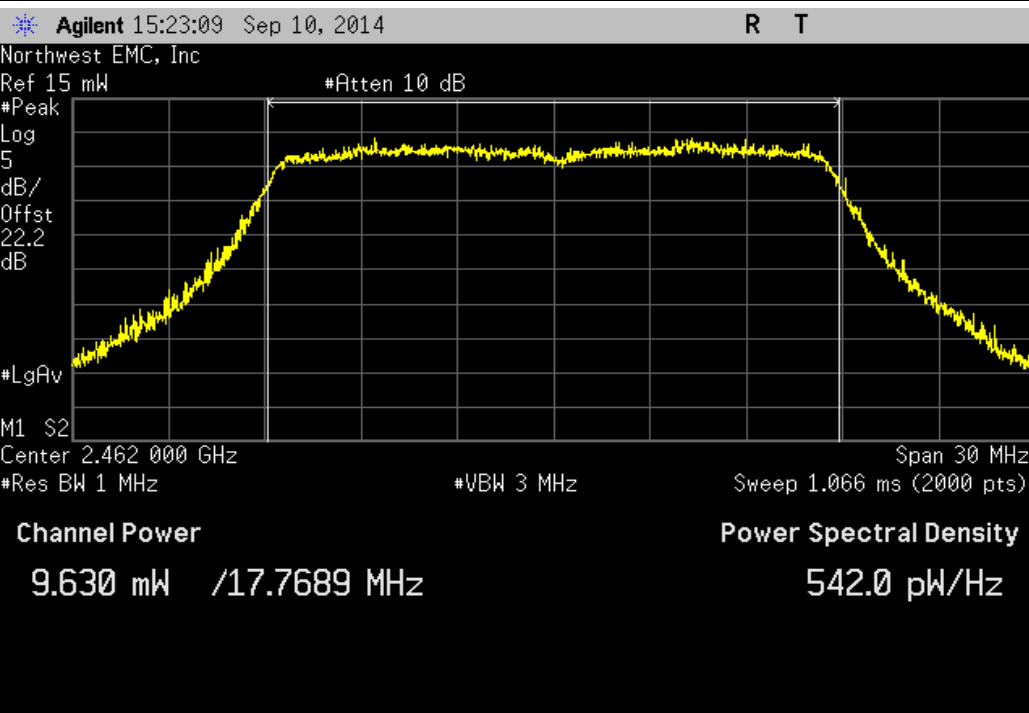
Port 1, 802.11(n) MCS7, Mid Channel 6, 2437 MHz

Value	Limit (<)	Result
7.54 mW	1 W	Pass



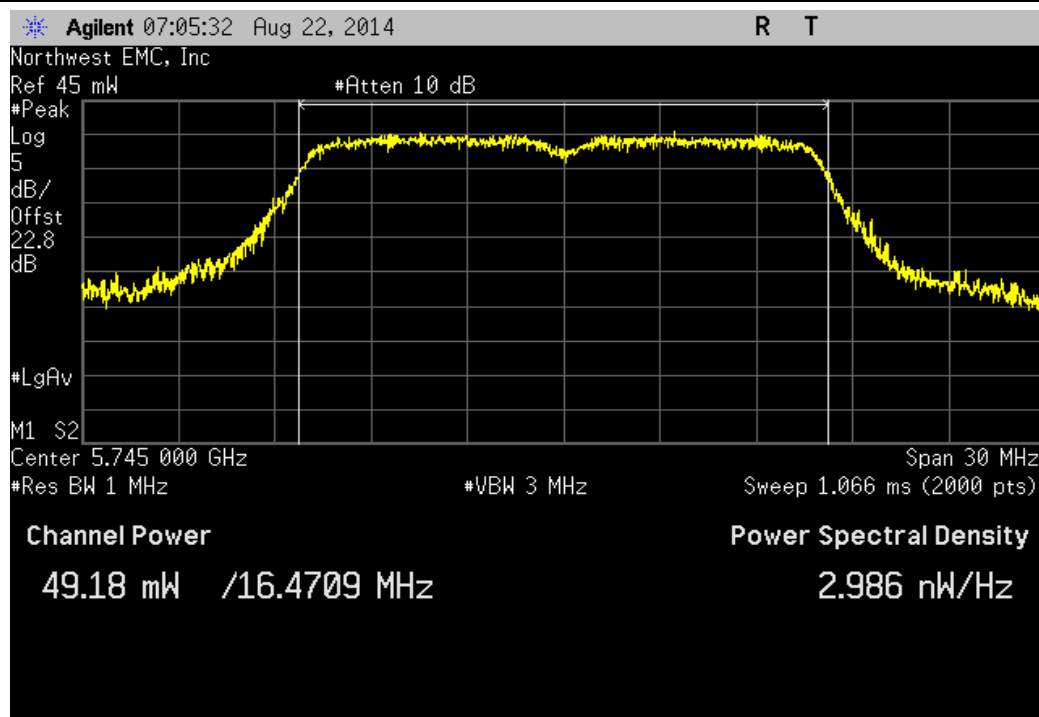
Port 1, 802.11(n) MCS7, High Channel 11, 2462 MHz

Value	Limit ($\leq$)	Result
9.63 mW	1 W	Pass



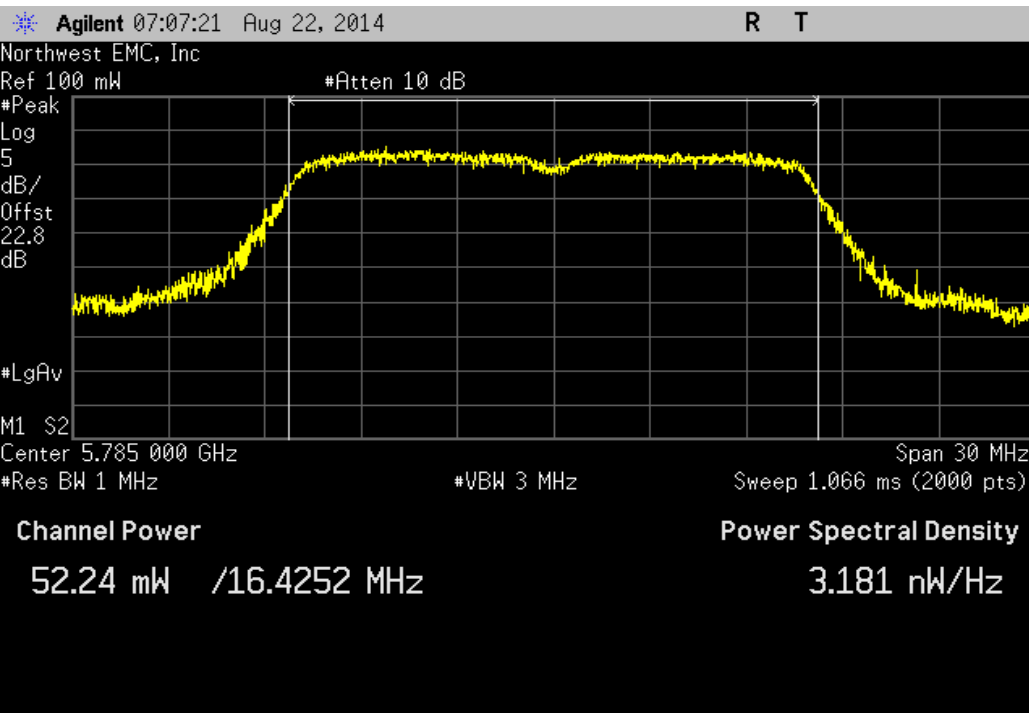
Port 1, 802.11(a) 6 Mbps, Low Channel 149, 5745 MHz

Value	Limit ($\leq$)	Result
49.182 mW	1 W	Pass



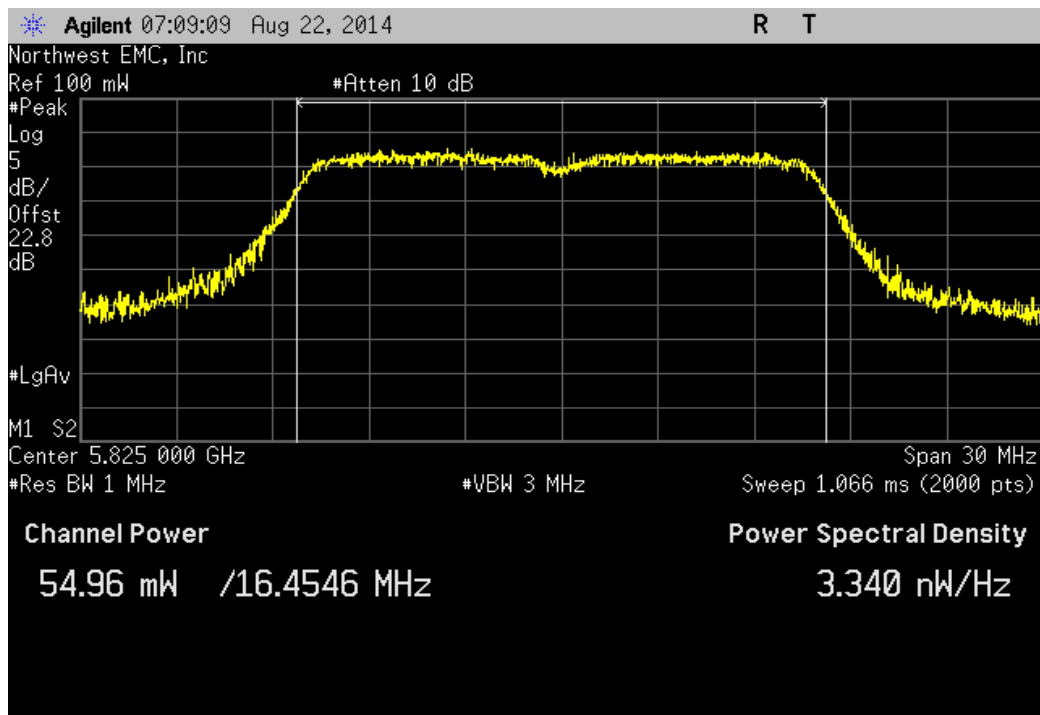
Port 1, 802.11(a) 6 Mbps, Mid Channel 157, 5785 MHz

Value	Limit ($\leq$)	Result
52.244 mW	1 W	Pass



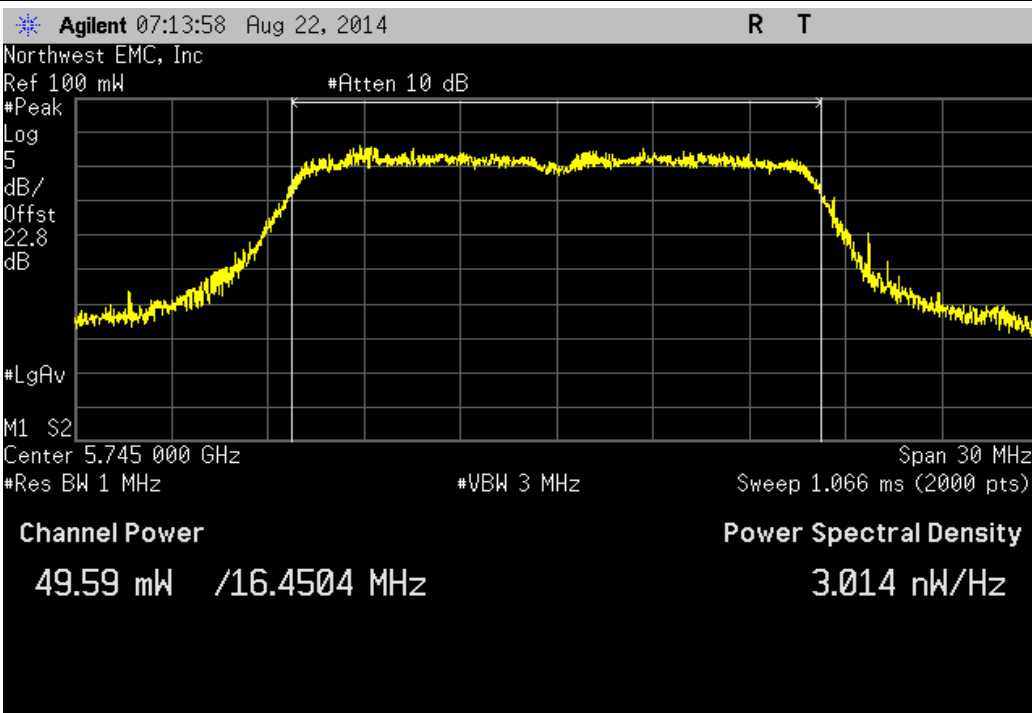
Port 1, 802.11(a) 6 Mbps, High Channel 165, 5825 MHz

Value	Limit ($\leq$)	Result
54.96 mW	1 W	Pass



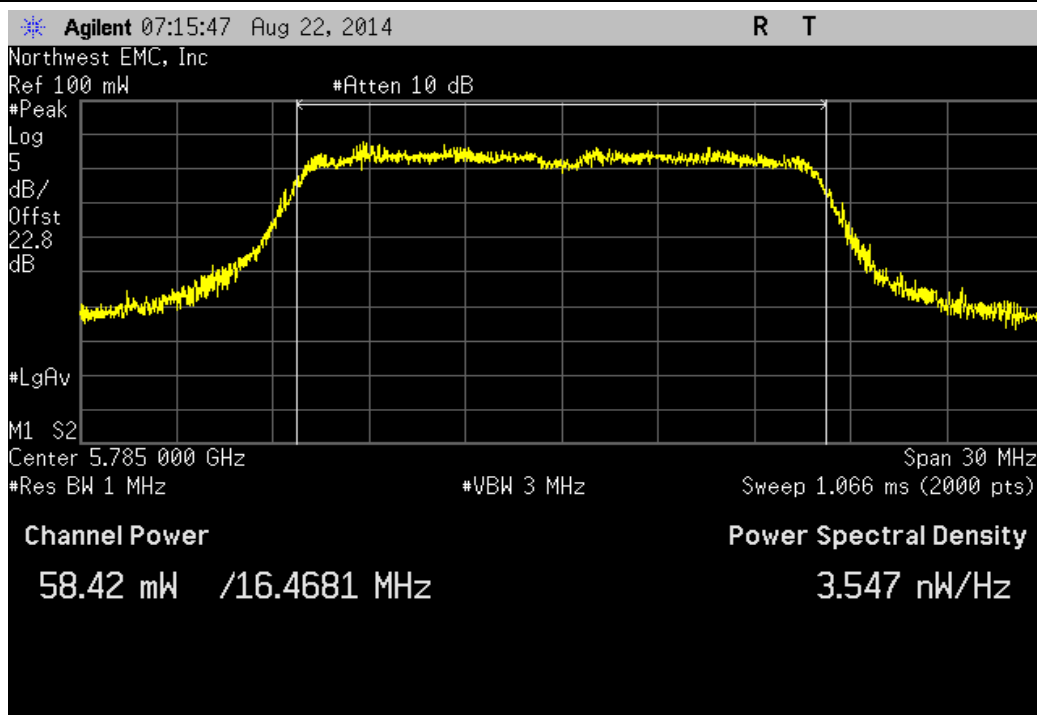
Port 1, 802.11(a) 36 Mbps, Low Channel 149, 5745 MHz

	Value	Limit (<)	Result
	49.586 mW	1 W	Pass



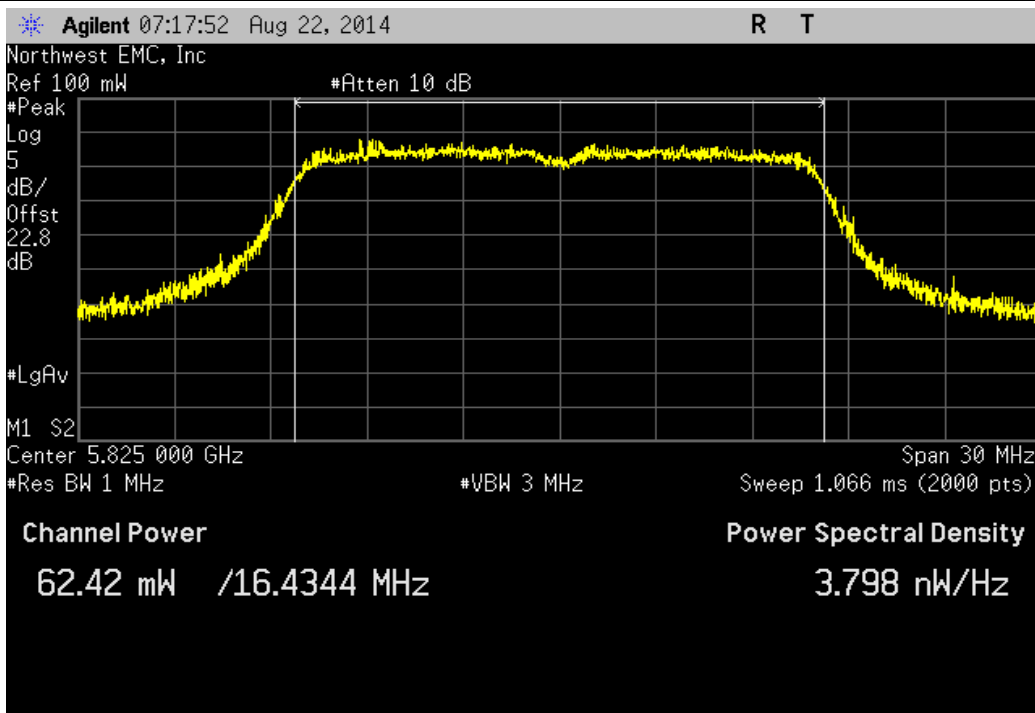
Port 1, 802.11(a) 36 Mbps, Mid Channel 157, 5785 MHz

	Value	Limit (<)	Result
	58.417 mW	1 W	Pass



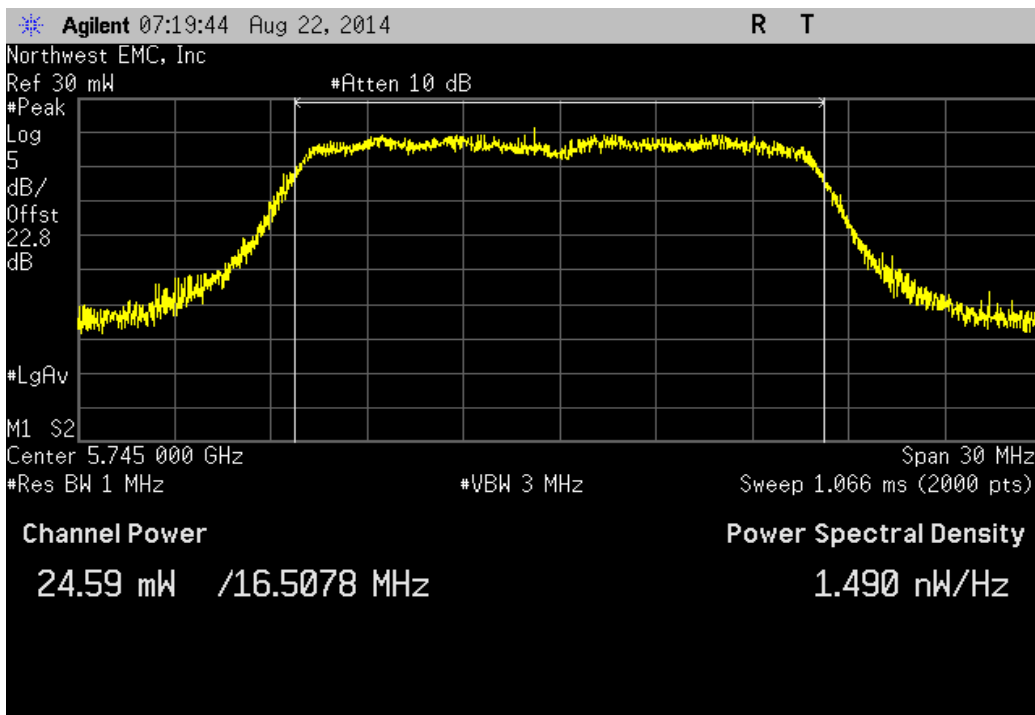
Port 1, 802.11(a) 36 Mbps, High Channel 165, 5825 MHz

	Value	Limit (<)	Result
	62.423 mW	1 W	Pass



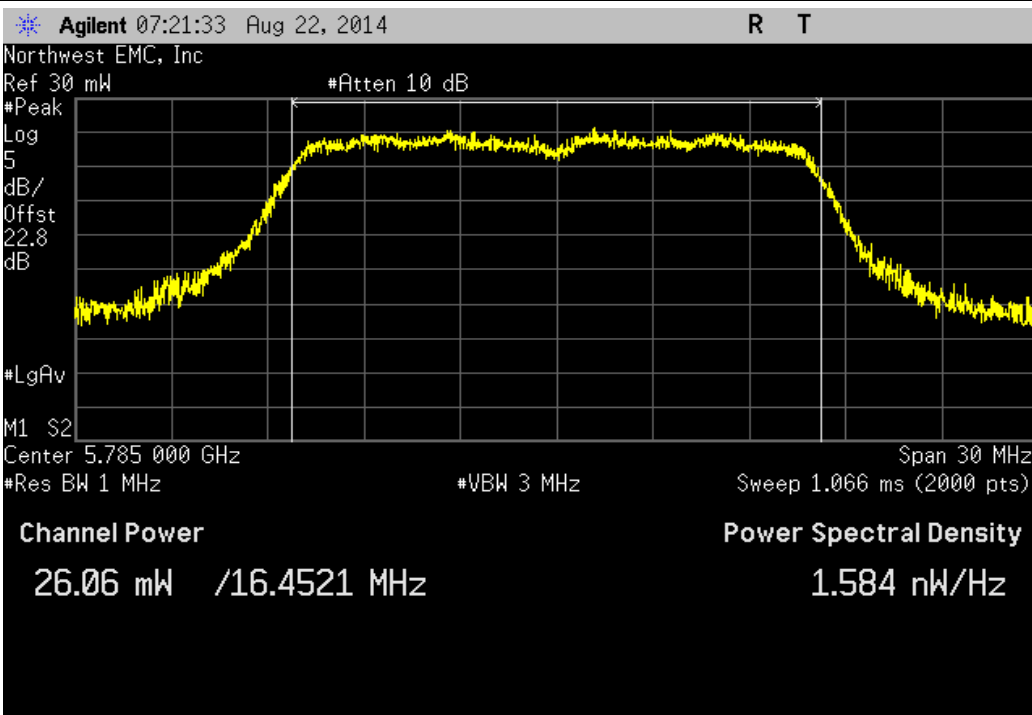
Port 1, 802.11(a) 54 Mbps, Low Channel 149, 5745 MHz

	Value	Limit (<)	Result
	24.59 mW	1 W	Pass



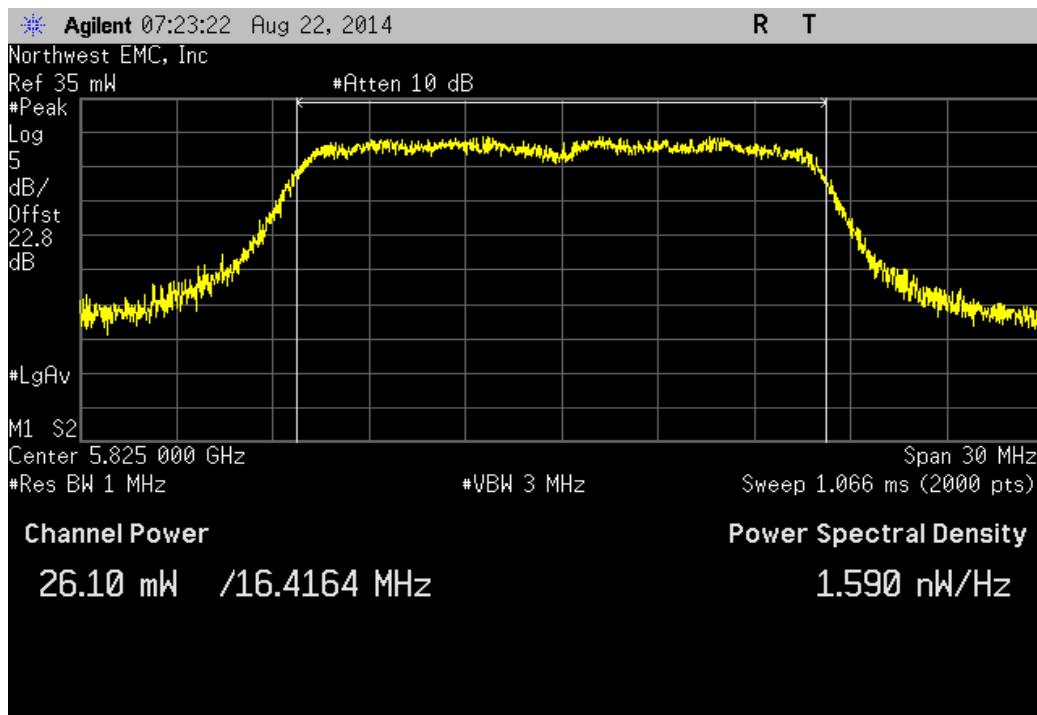
Port 1, 802.11(a) 54 Mbps, Mid Channel 157, 5785 MHz

	Value	Limit (<)	Result
	26.061 mW	1 W	Pass



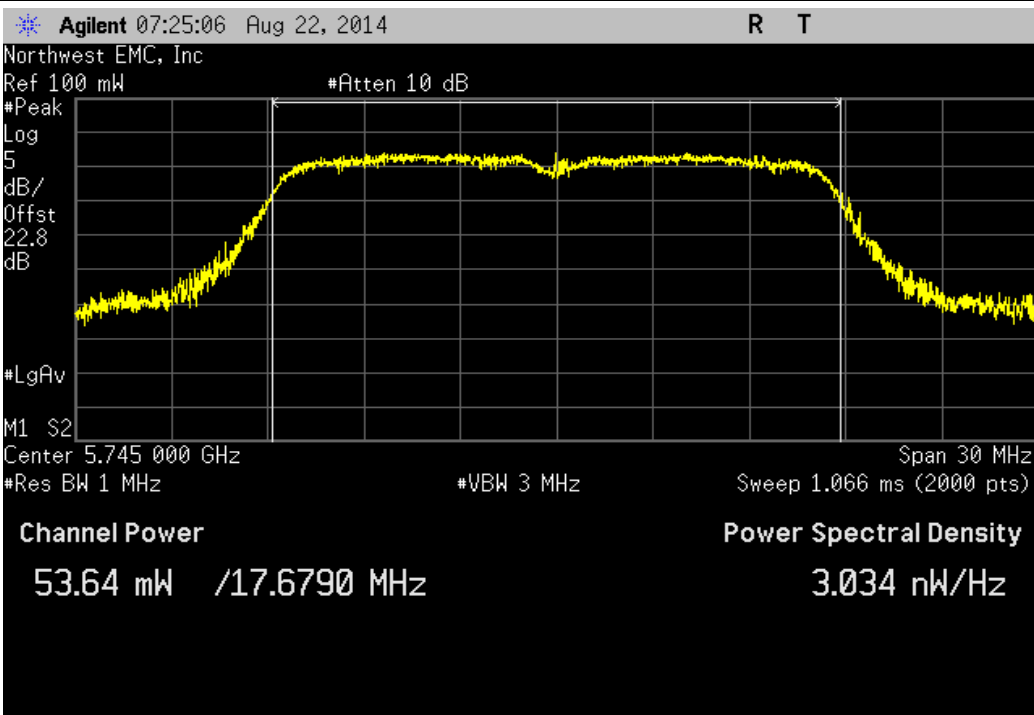
Port 1, 802.11(a) 54 Mbps, High Channel 165, 5825 MHz

	Value	Limit (<)	Result
	26.097 mW	1 W	Pass



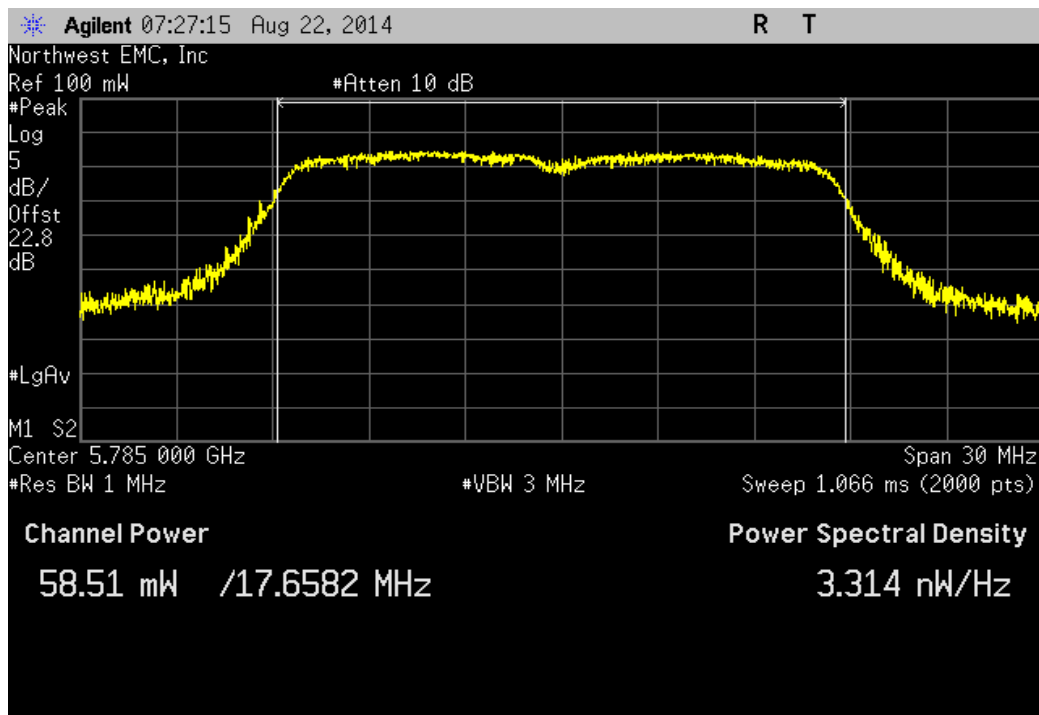
Port 1, 802.11(n) MCS0 - UNII, Low Channel 149, 5745 MHz

	Value	Limit (<)	Result
	53.639 mW	1 W	Pass



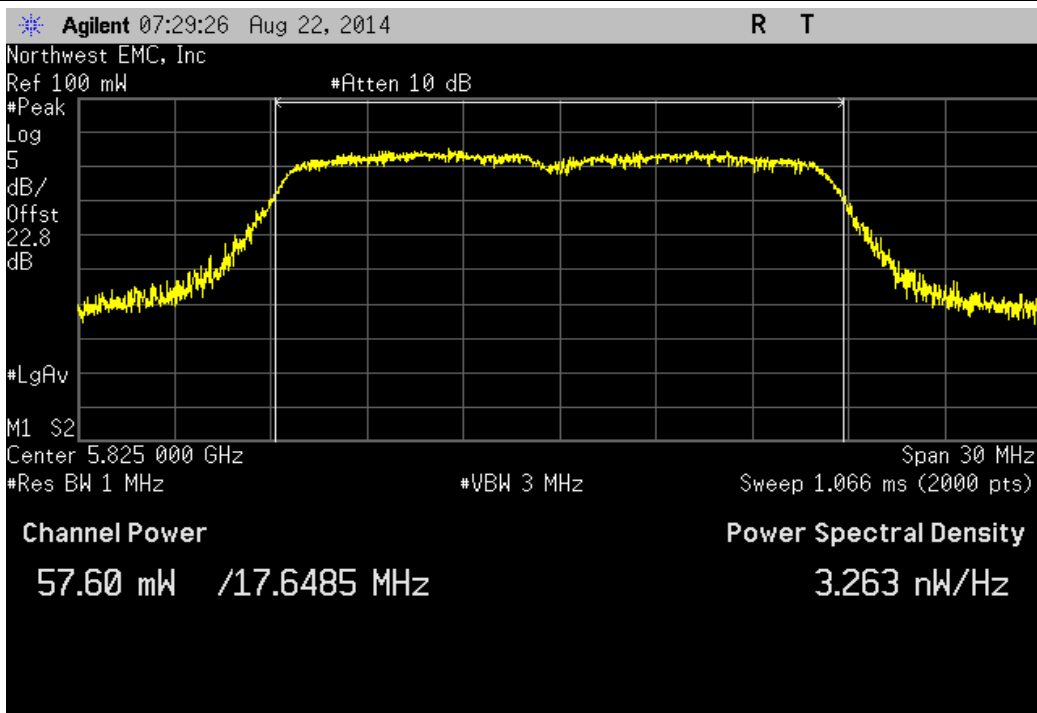
Port 1, 802.11(n) MCS0 - UNII, Mid Channel 157, 5785 MHz

	Value	Limit (<)	Result
	58.514 mW	1 W	Pass



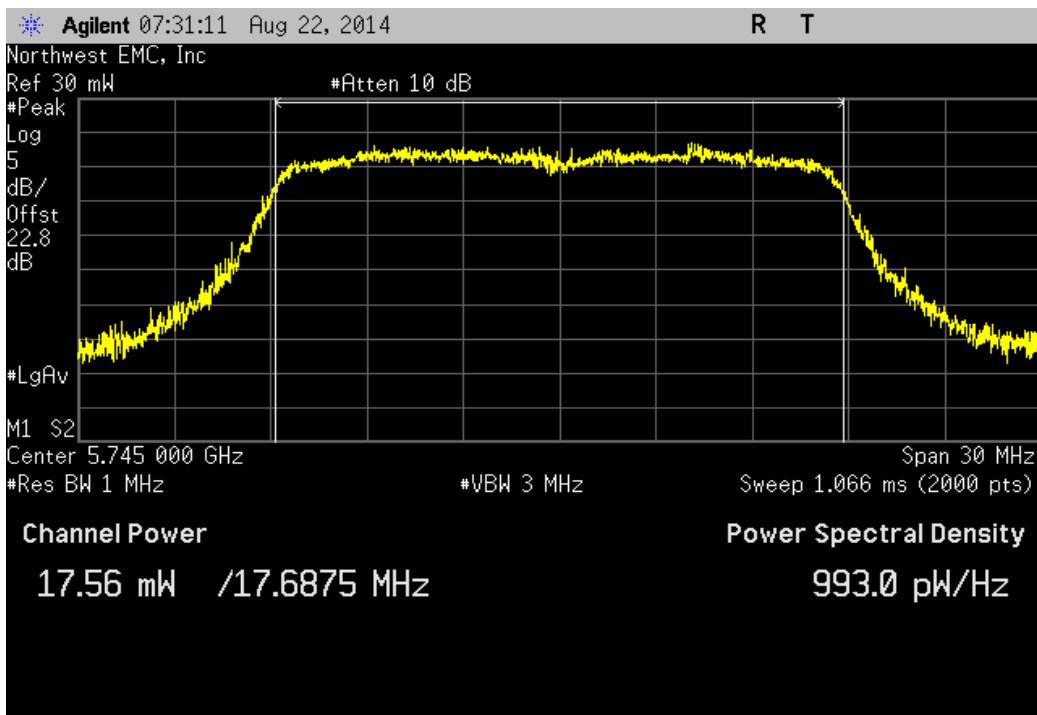
Port 1, 802.11(n) MCS0 - UNII, High Channel 165, 5825 MHz

	Value	Limit (<)	Result
	57.596 mW	1 W	Pass



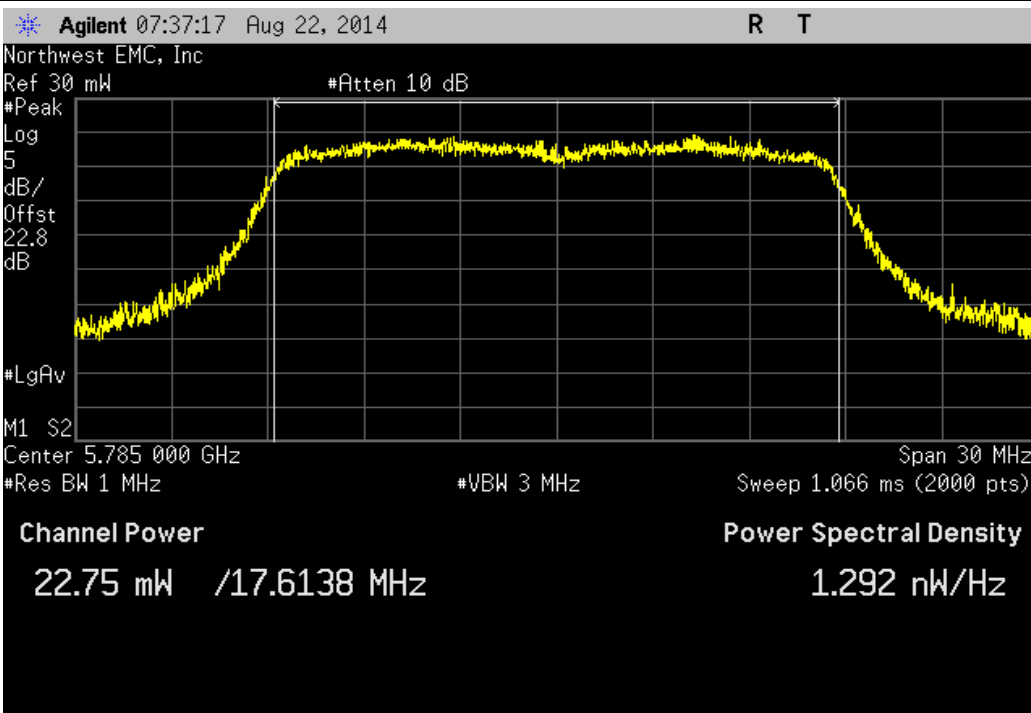
Port 1, 802.11(n) MCS7 - UNII, Low Channel 149, 5745 MHz

	Value	Limit (<)	Result
	17.564 mW	1 W	Pass



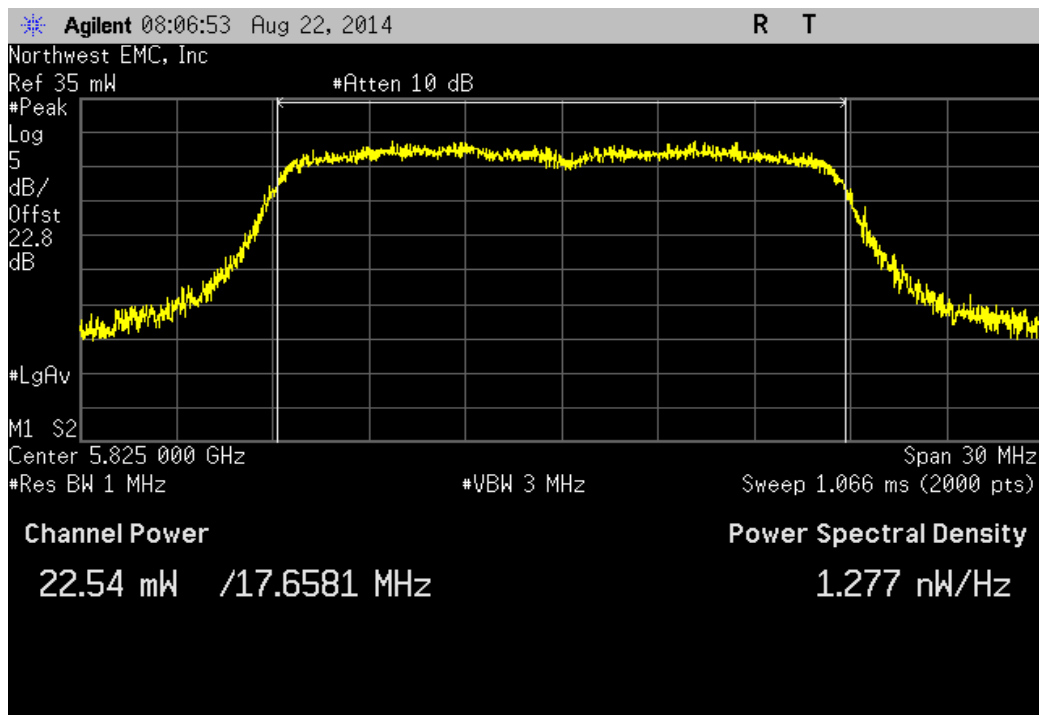
Port 1, 802.11(n) MCS7 - UNII, Mid Channel 157, 5785 MHz

	Value	Limit (<)	Result
	22.751 mW	1 W	Pass



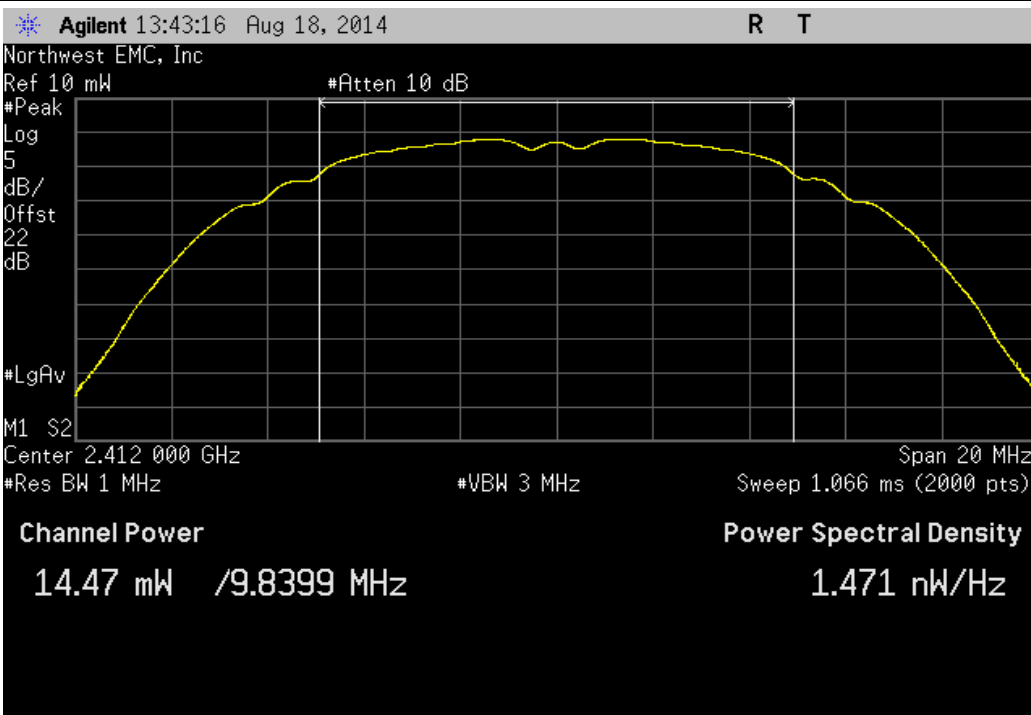
Port 1, 802.11(n) MCS7 - UNII, High Channel 165, 5825 MHz

	Value	Limit (<)	Result
	22.544 mW	1 W	Pass



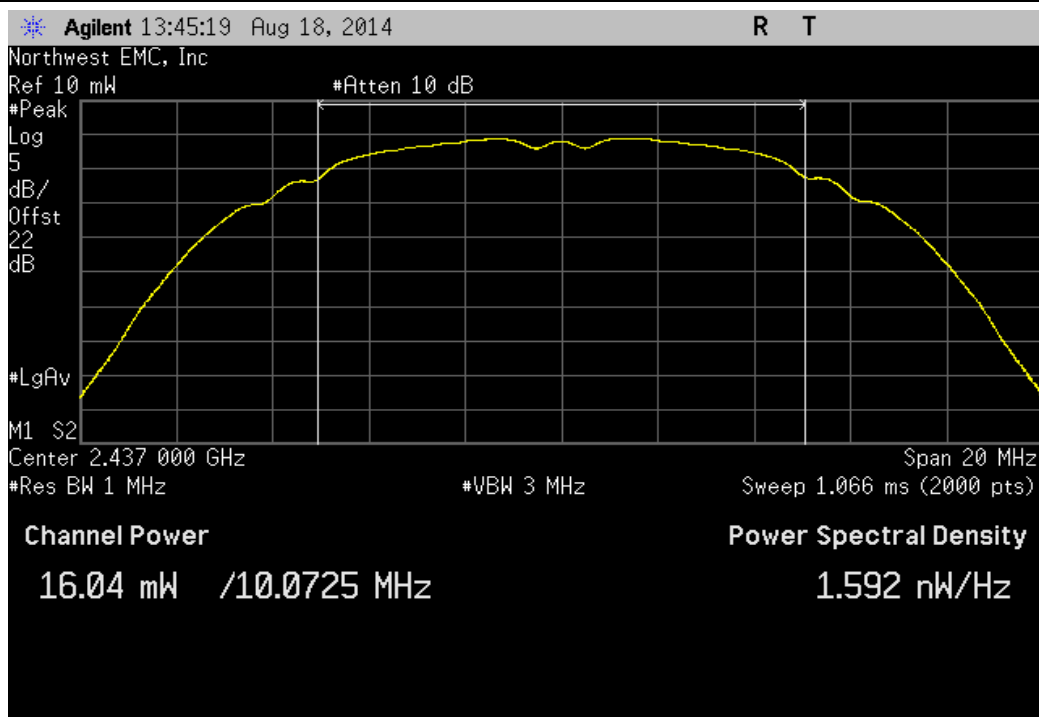
Port 2, 802.11(b) 1 Mbps, Low Channel 1, 2412 MHz

	Value	Limit (<)	Result
	14.471 mW	1 W	Pass



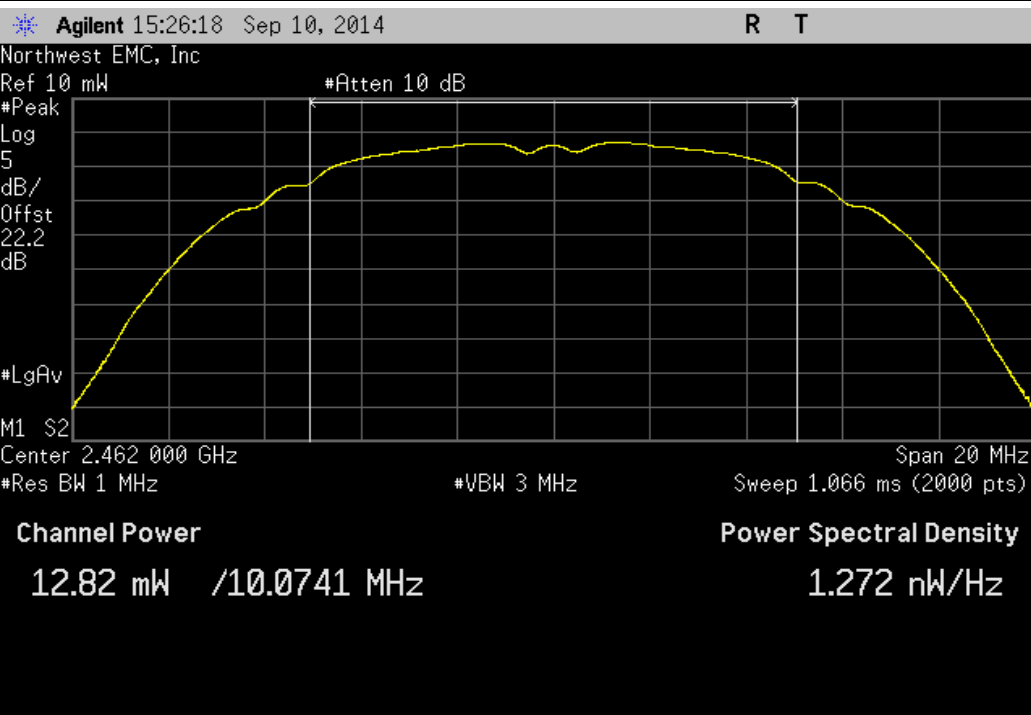
Port 2, 802.11(b) 1 Mbps, Mid Channel 6, 2437 MHz

	Value	Limit (<)	Result
	16.037 mW	1 W	Pass



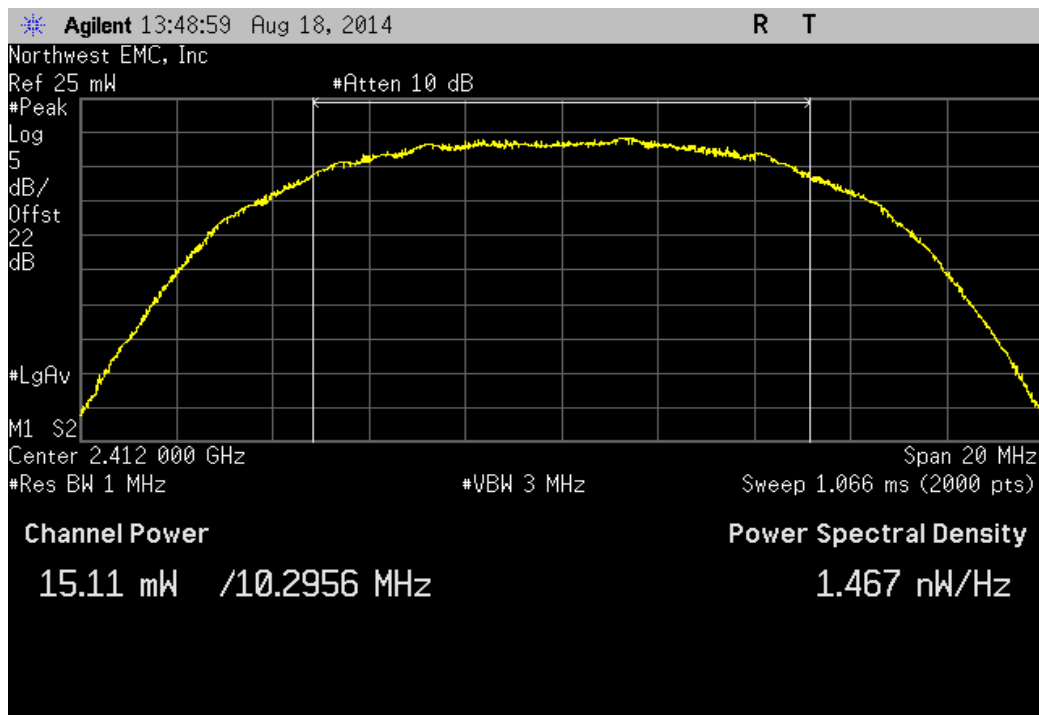
Port 2, 802.11(b) 1 Mbps, High Channel 11, 2462 MHz

Value	Limit (<)	Result
12.816 mW	1 W	Pass



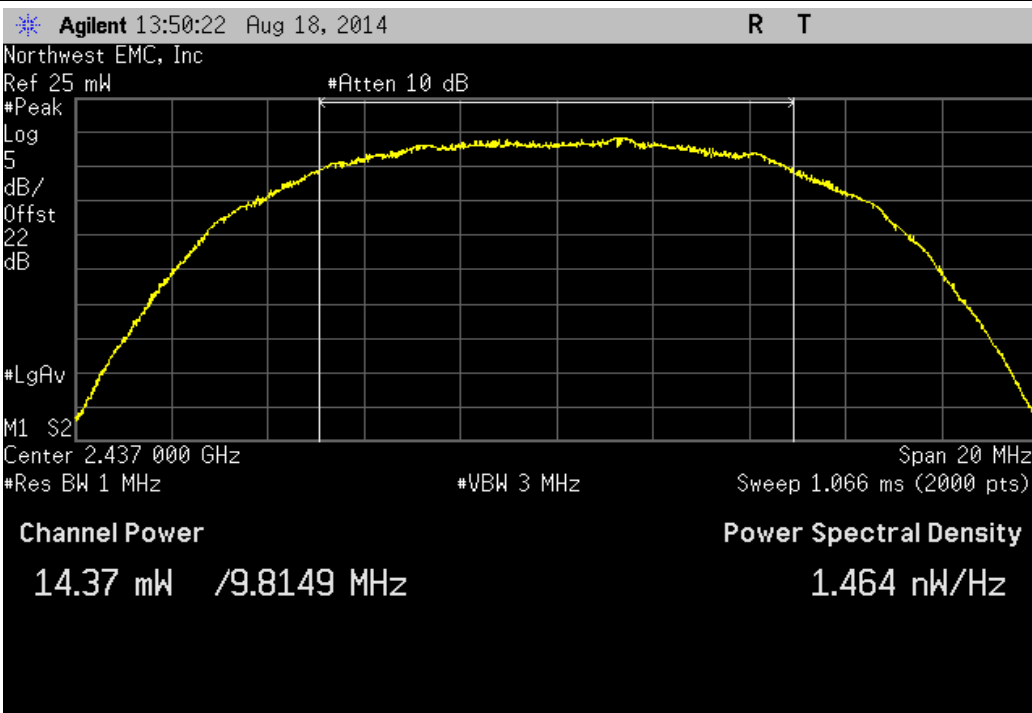
Port 2, 802.11(b) 11 Mbps, Low Channel 1, 2412 MHz

Value	Limit (<)	Result
15.108 mW	1 W	Pass



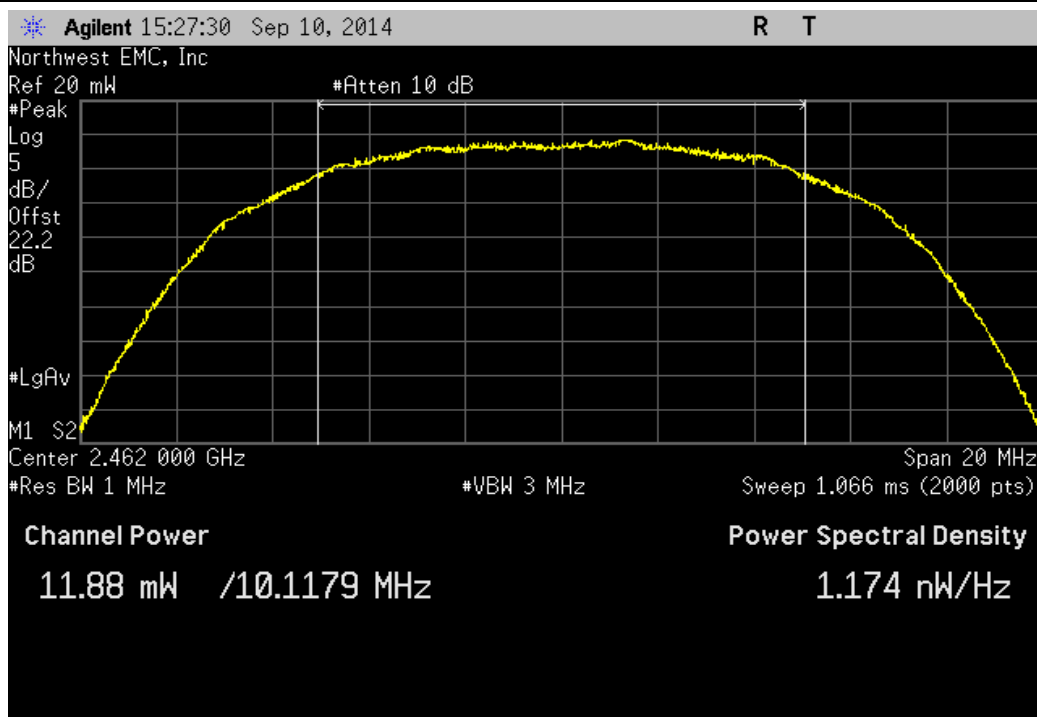
Port 2, 802.11(b) 11 Mbps, Mid Channel 6, 2437 MHz

	Value	Limit (<)	Result
	14.37 mW	1 W	Pass



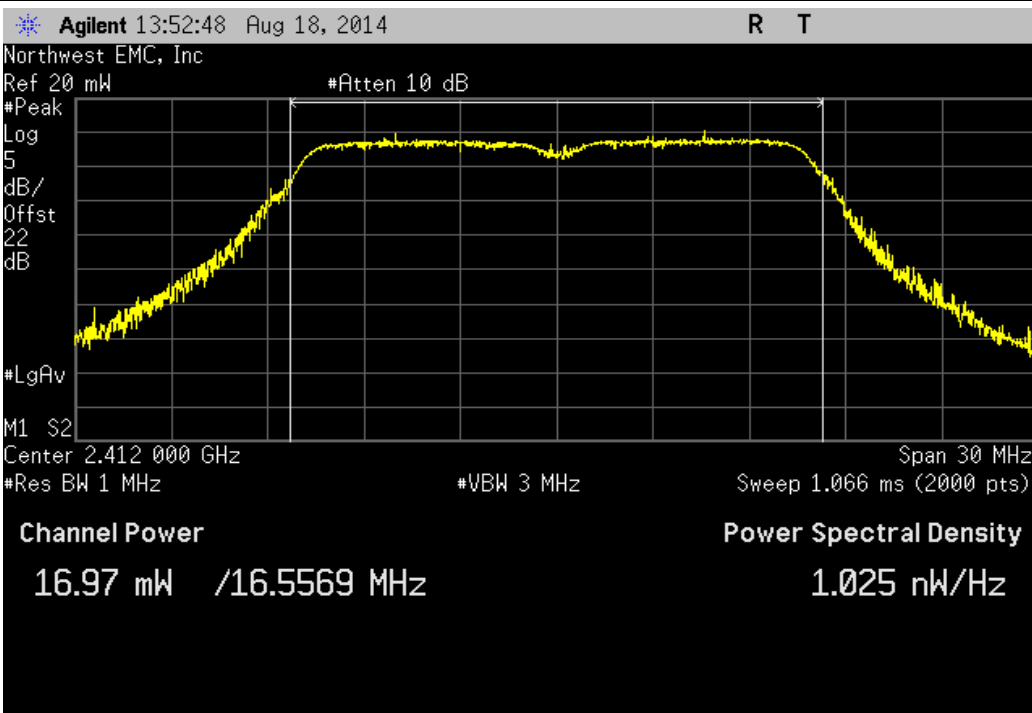
Port 2, 802.11(b) 11 Mbps, High Channel 11, 2462 MHz

	Value	Limit (<)	Result
	11.875 mW	1 W	Pass



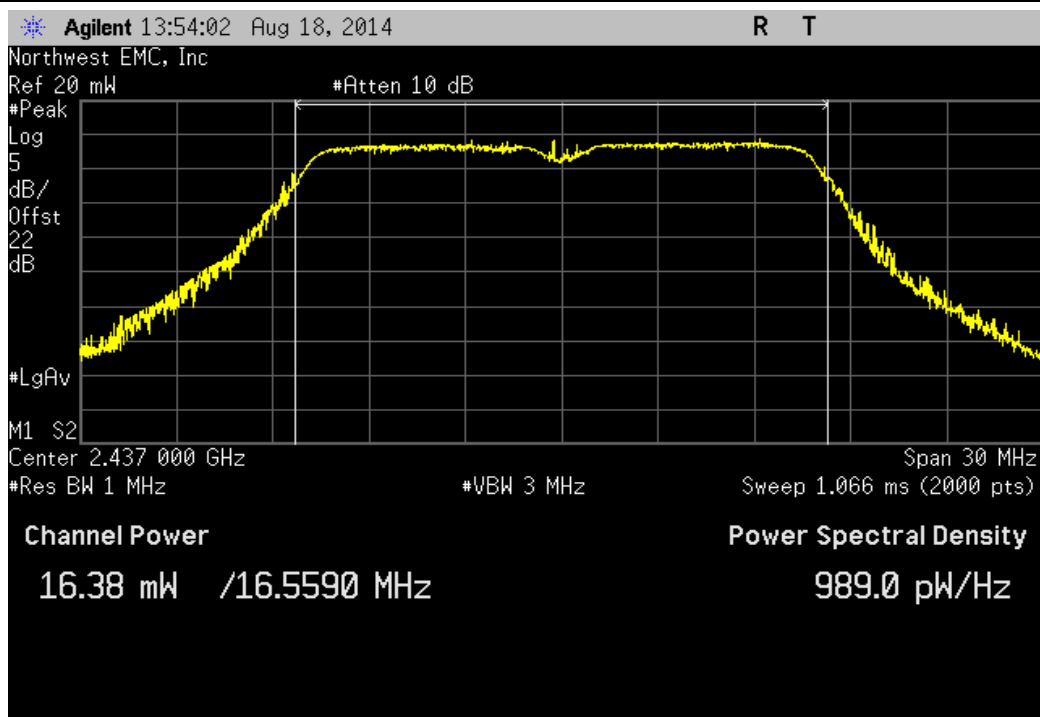
Port 2, 802.11(g) 6 Mbps, Low Channel 1, 2412 MHz

	Value	Limit (<)	Result
	16.966 mW	1 W	Pass



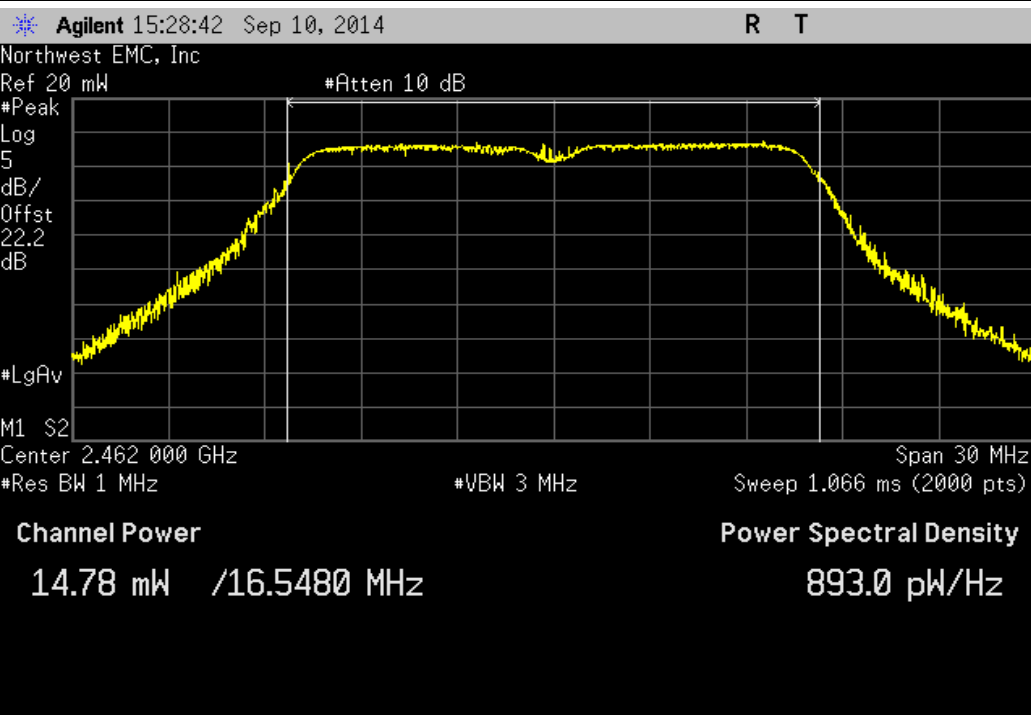
Port 2, 802.11(g) 6 Mbps, Mid Channel 6, 2437 MHz

	Value	Limit (<)	Result
	16.376 mW	1 W	Pass



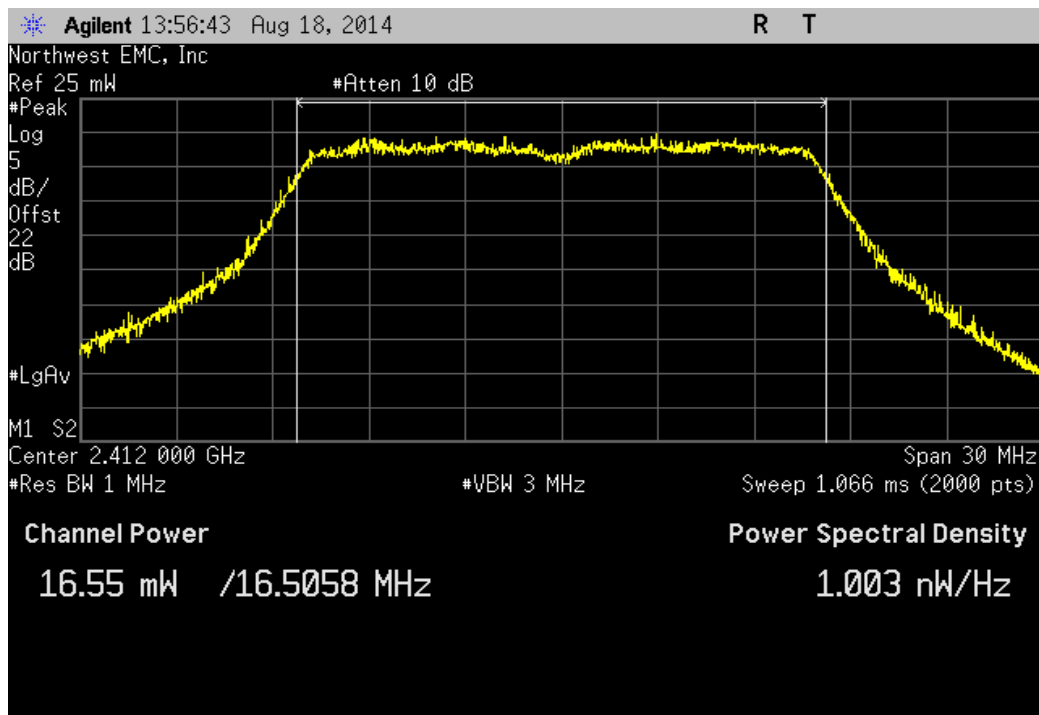
Port 2, 802.11(g) 6 Mbps, High Channel 11, 2462 MHz

Value	Limit (<)	Result
14.778 mW	1 W	Pass



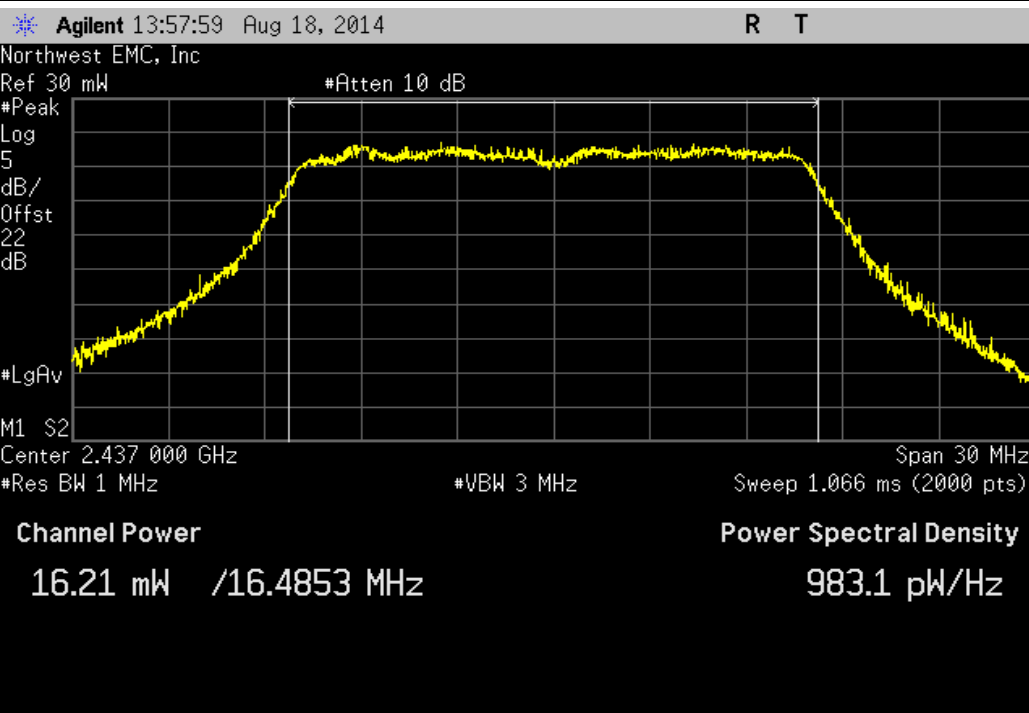
Port 2, 802.11(g) 36 Mbps, Low Channel 1, 2412 MHz

Value	Limit (<)	Result
16.551 mW	1 W	Pass



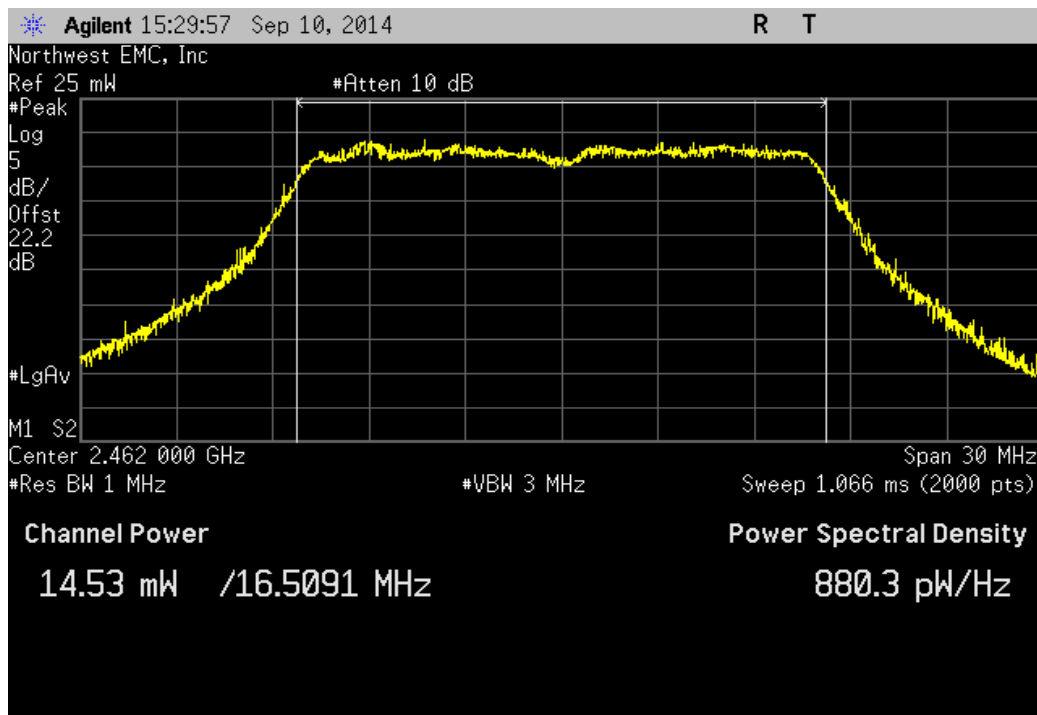
Port 2, 802.11(g) 36 Mbps, Mid Channel 6, 2437 MHz

Value	Limit (<)	Result
16.206 mW	1 W	Pass



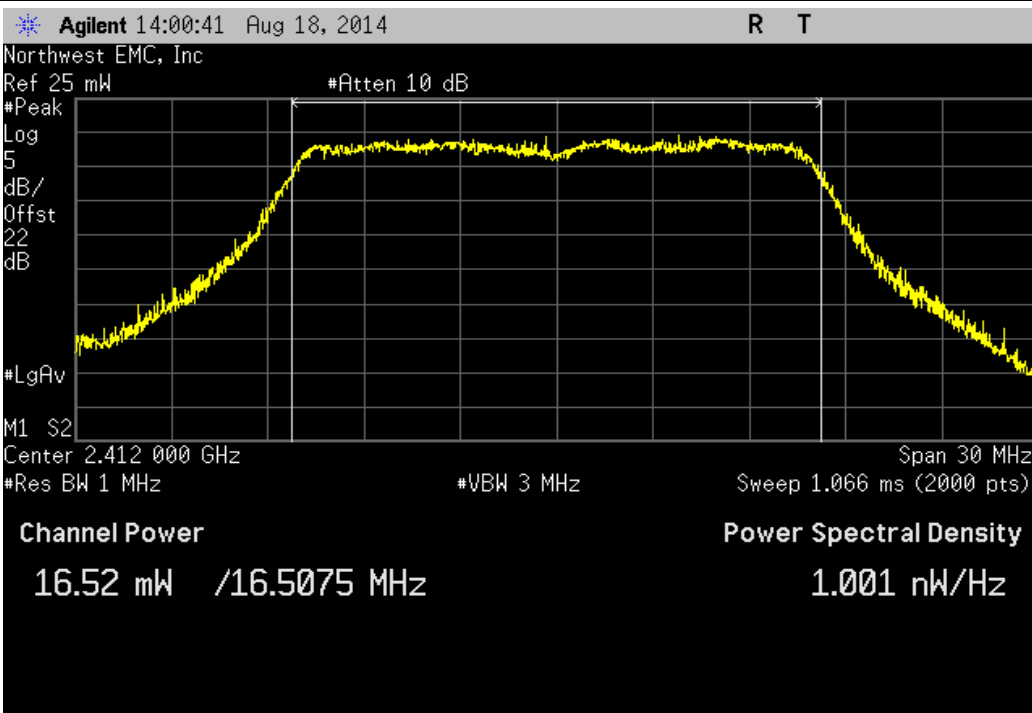
Port 2, 802.11(g) 36 Mbps, High Channel 11, 2462 MHz

Value	Limit (<)	Result
14.534 mW	1 W	Pass



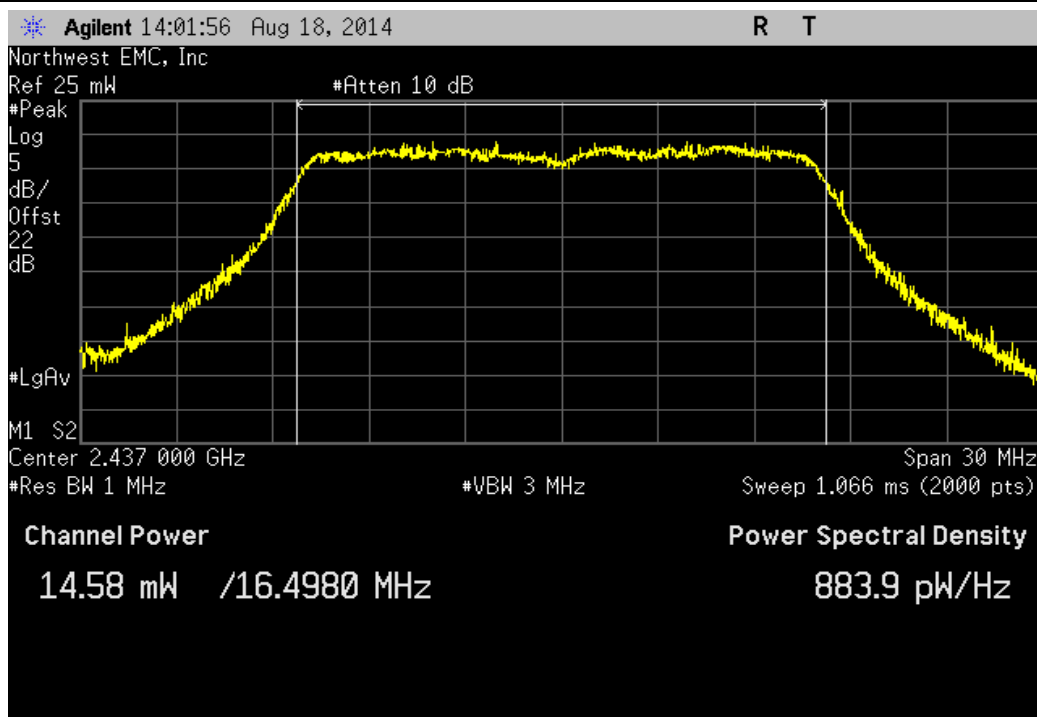
Port 2, 802.11(g) 54 Mbps, Low Channel 1, 2412 MHz

Value	Limit (<)	Result
16.522 mW	1 W	Pass



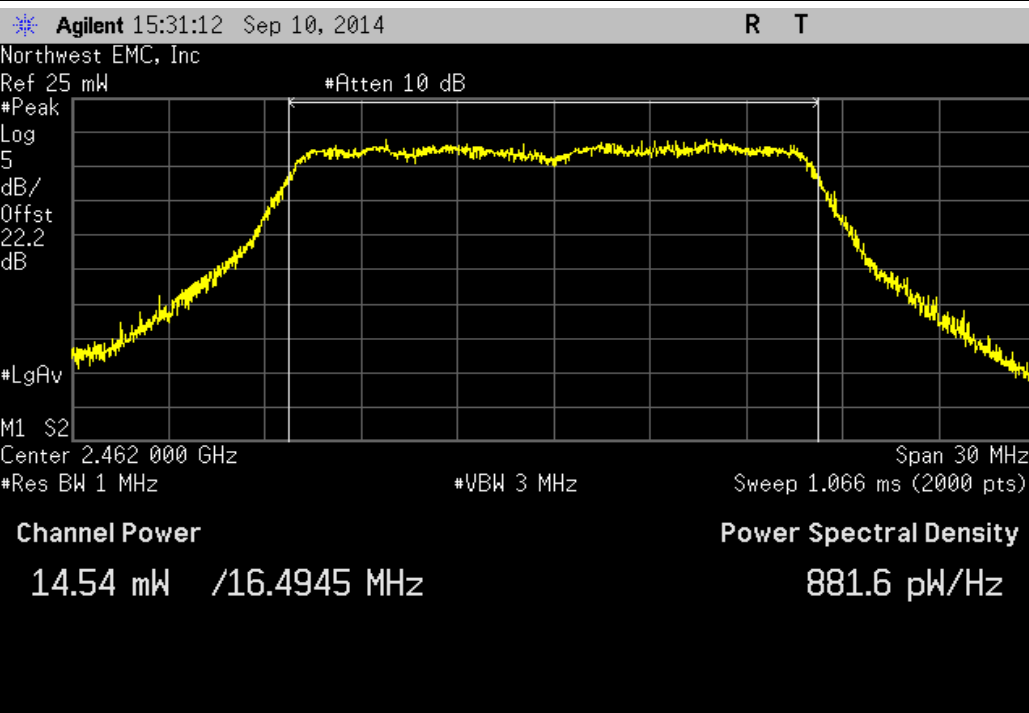
Port 2, 802.11(g) 54 Mbps, Mid Channel 6, 2437 MHz

Value	Limit (<)	Result
14.582 mW	1 W	Pass



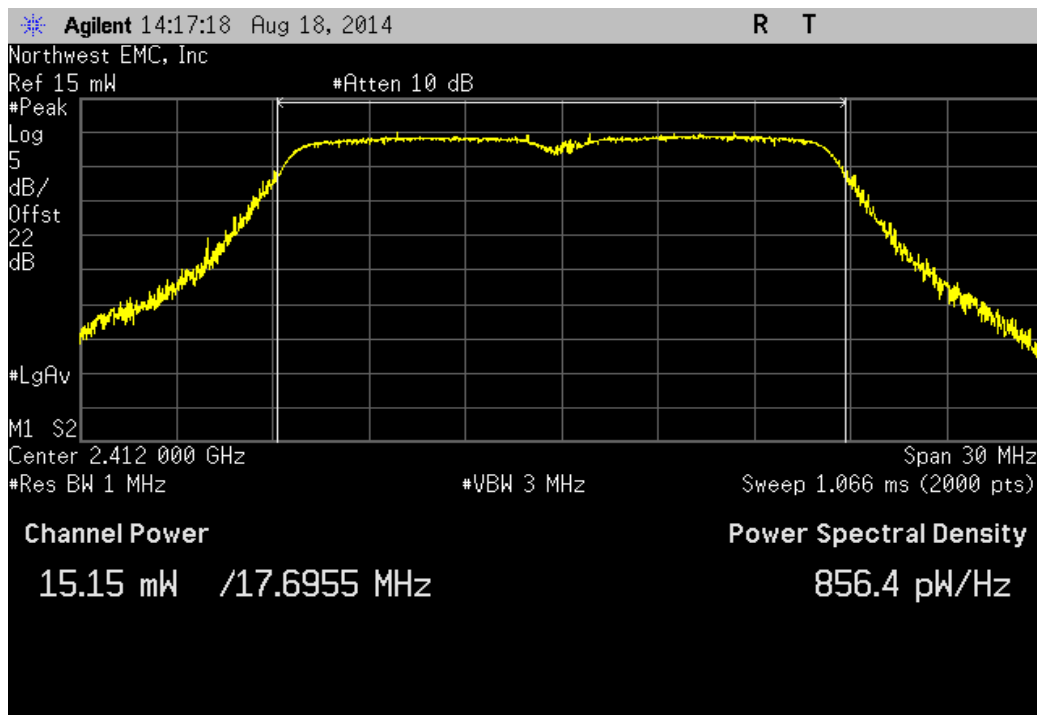
Port 2, 802.11(g) 54 Mbps, High Channel 11, 2462 MHz

Value	Limit (<)	Result
14.542 mW	1 W	Pass



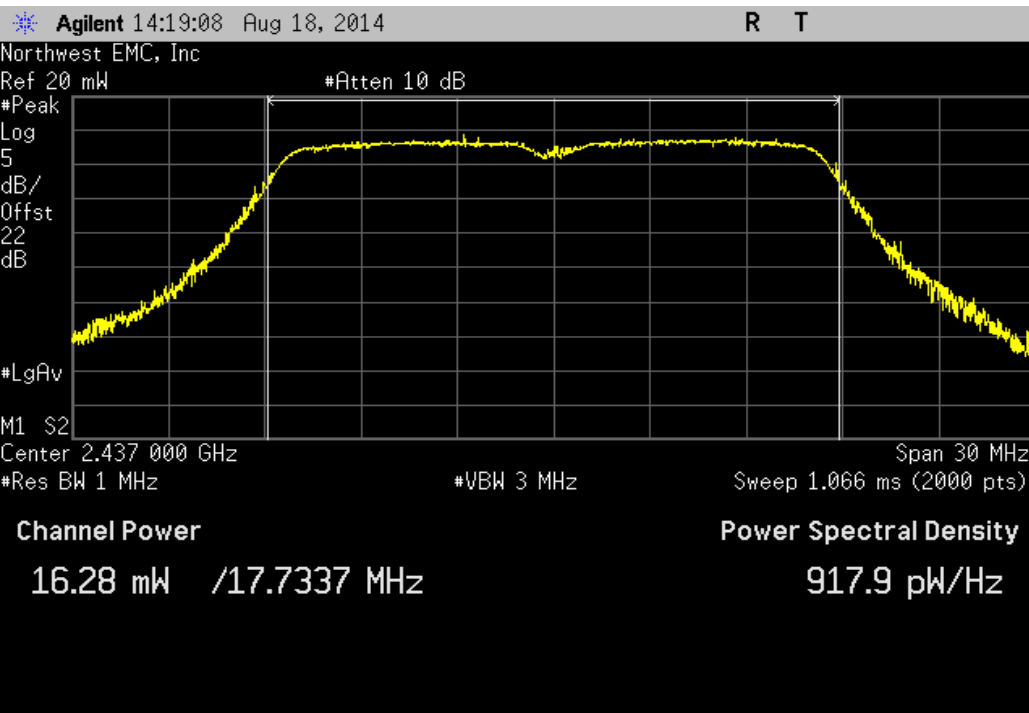
Port 2, 802.11(n) MCS0, Low Channel 1, 2412 MHz

Value	Limit (<)	Result
15.155 mW	1 W	Pass



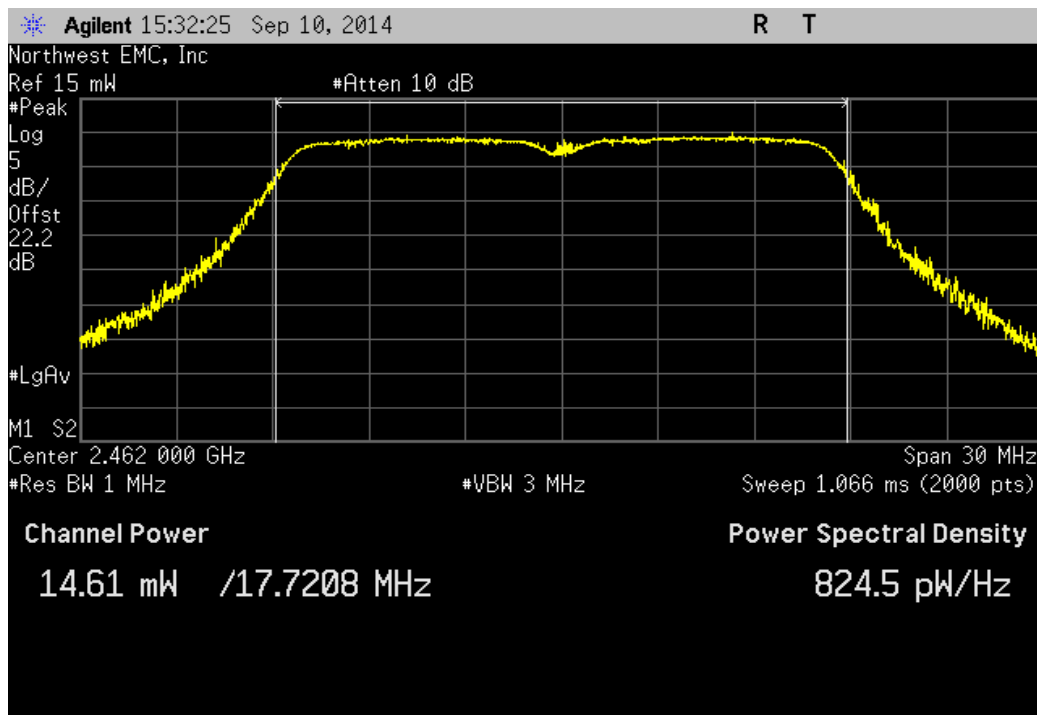
Port 2, 802.11(n) MCS0, Mid Channel 6, 2437 MHz

Value	Limit (<)	Result
16.277 mW	1 W	Pass



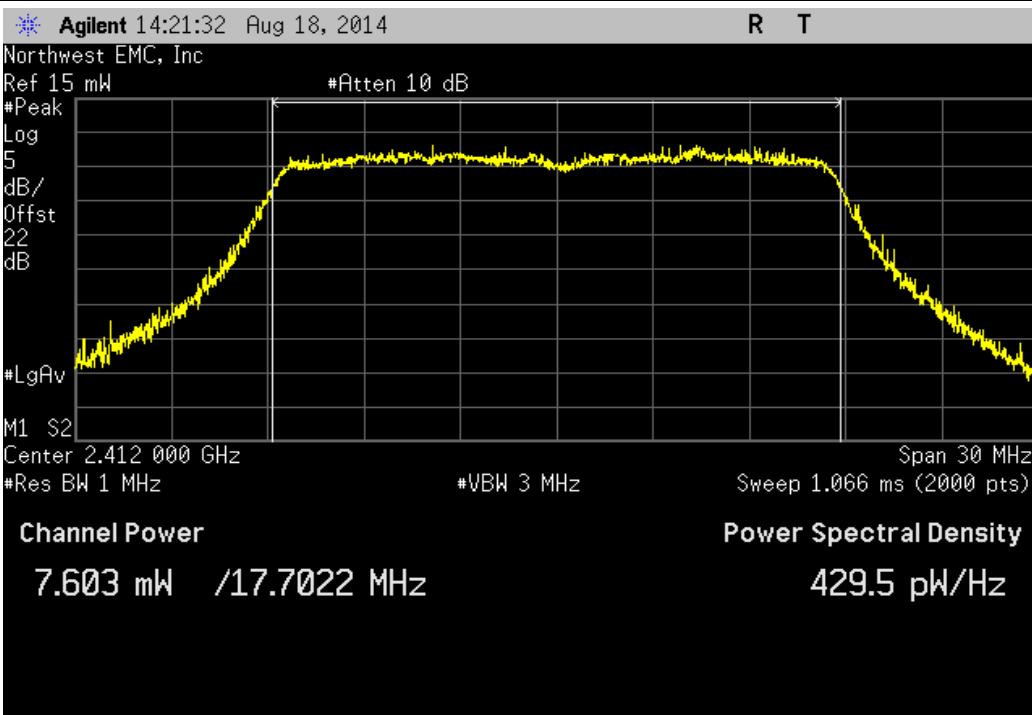
Port 2, 802.11(n) MCS0, High Channel 11, 2462 MHz

Value	Limit (<)	Result
14.611 mW	1 W	Pass



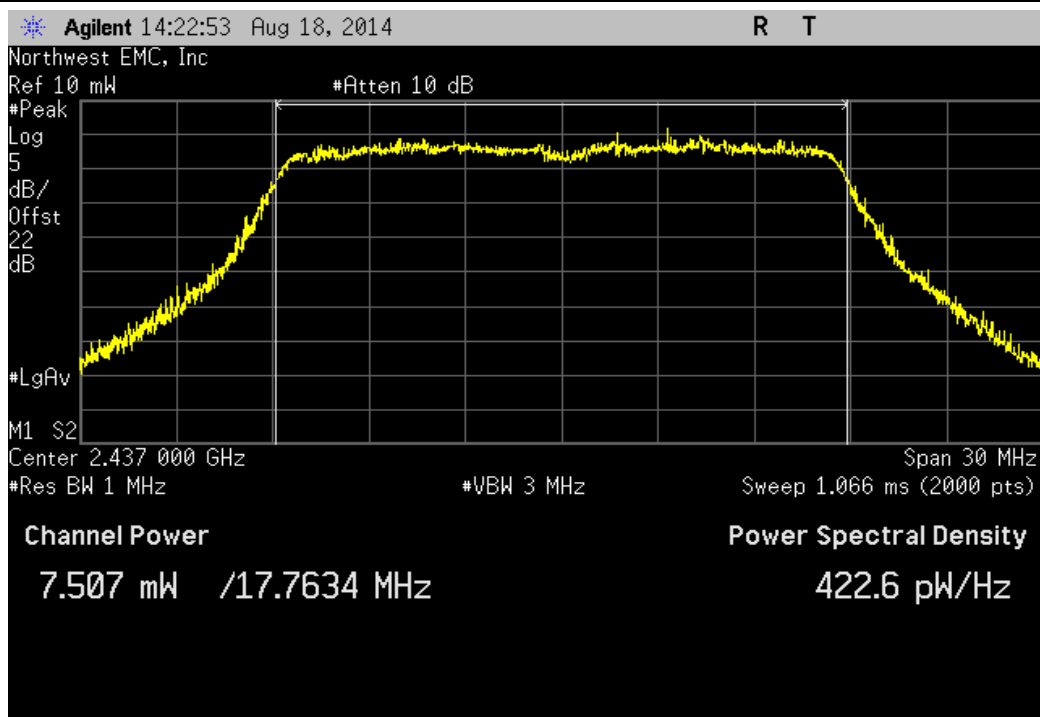
Port 2, 802.11(n) MCS7, Low Channel 1, 2412 MHz

Value	Limit (<)	Result
7.603 mW	1 W	Pass



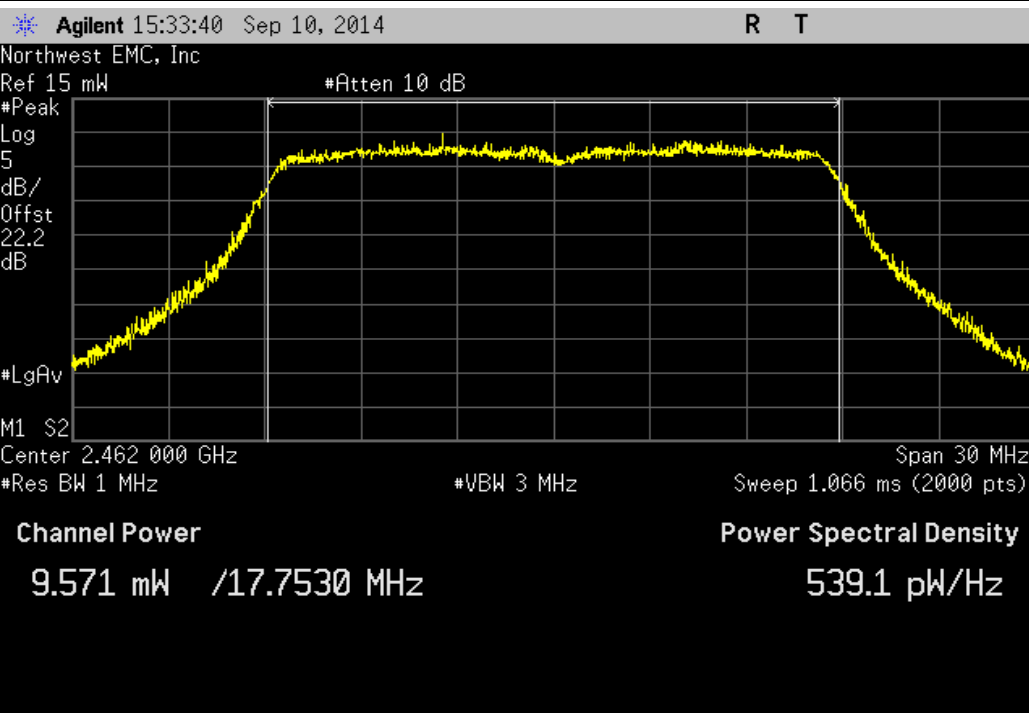
Port 2, 802.11(n) MCS7, Mid Channel 6, 2437 MHz

Value	Limit (<)	Result
7.507 mW	1 W	Pass



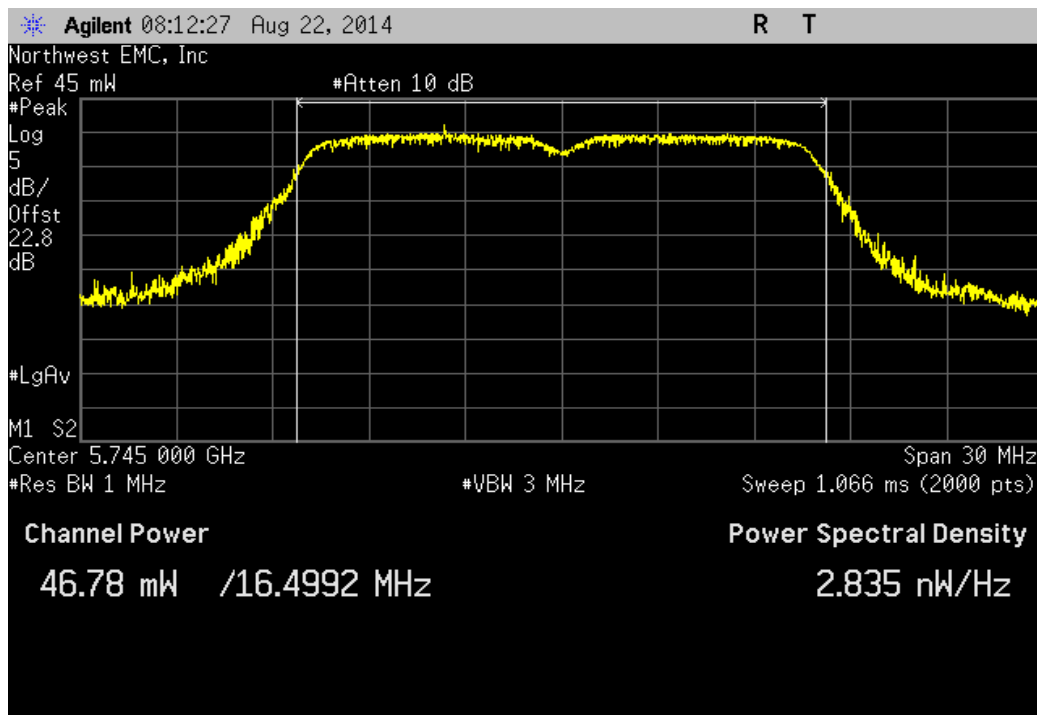
Port 2, 802.11(n) MCS7, High Channel 11, 2462 MHz

Value	Limit (<)	Result
9.571 mW	1 W	Pass



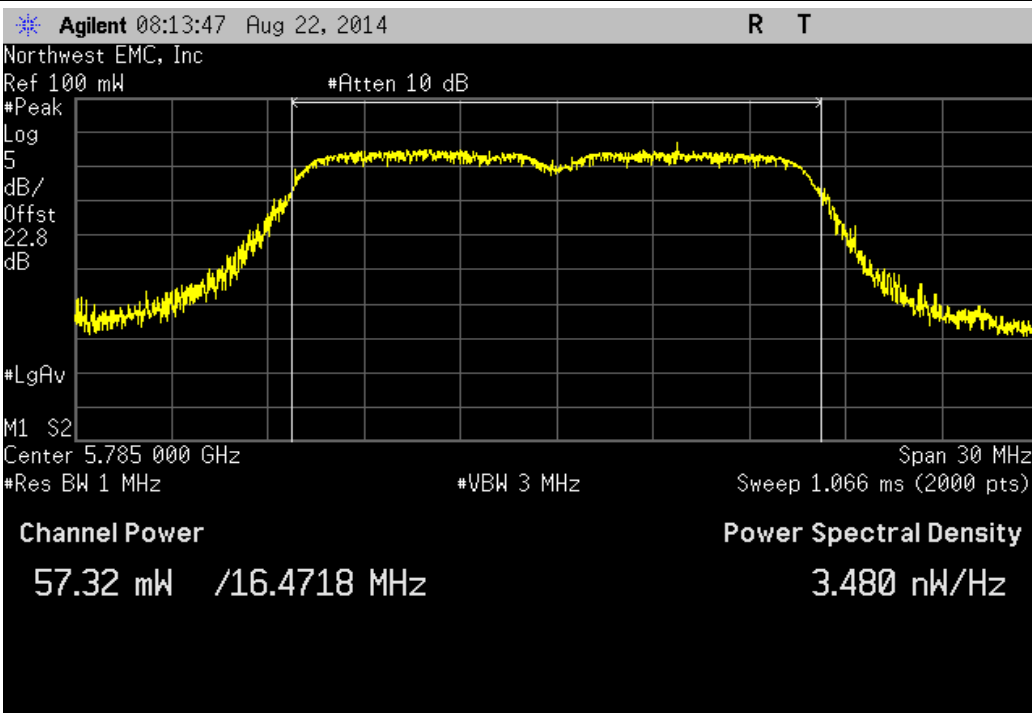
Port 2, 802.11(a) 6 Mbps, Low Channel 149, 5745 MHz

Value	Limit (<)	Result
46.776 mW	1 W	Pass



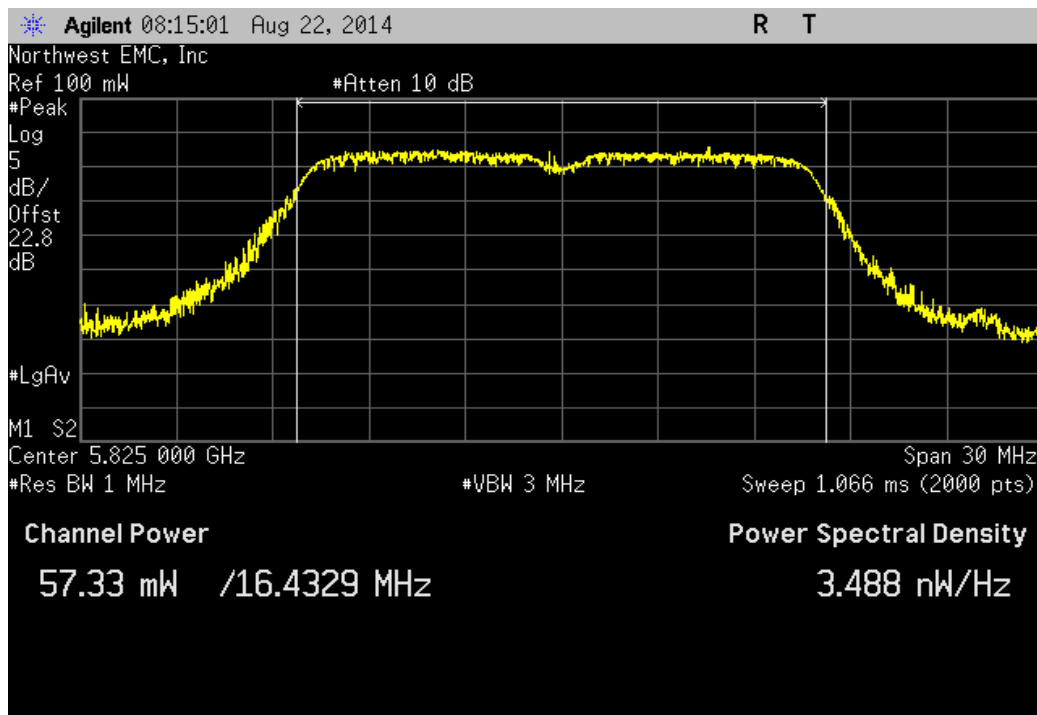
Port 2, 802.11(a) 6 Mbps, Mid Channel 157, 5785 MHz

	Value	Limit (<)	Result
	57.324 mW	1 W	Pass



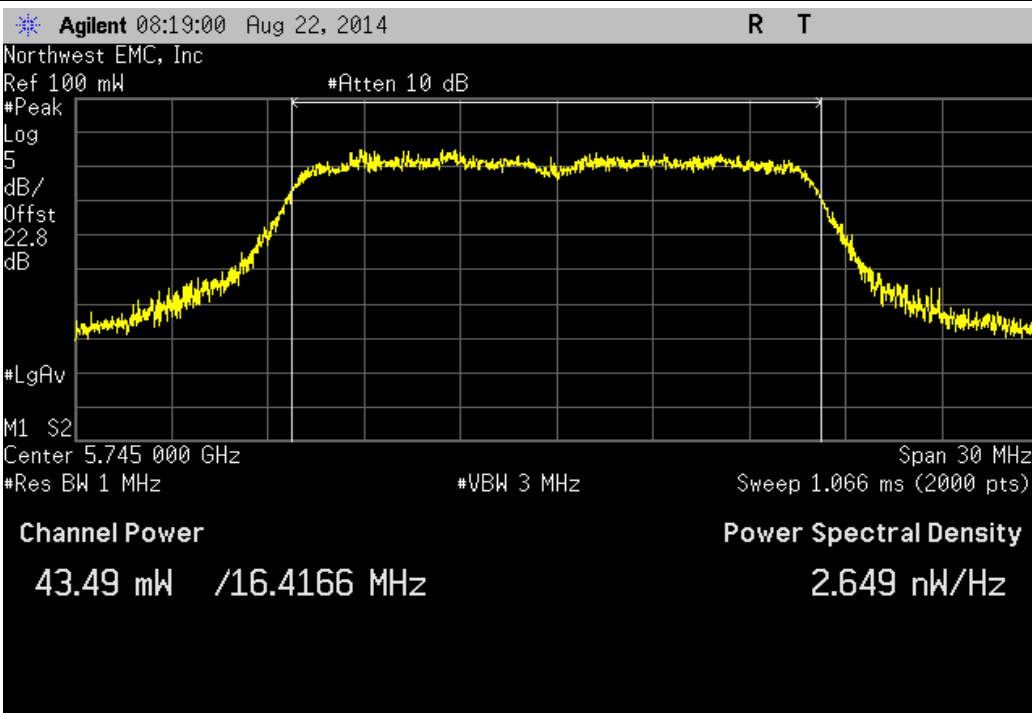
Port 2, 802.11(a) 6 Mbps, High Channel 165, 5825 MHz

	Value	Limit (<)	Result
	57.325 mW	1 W	Pass



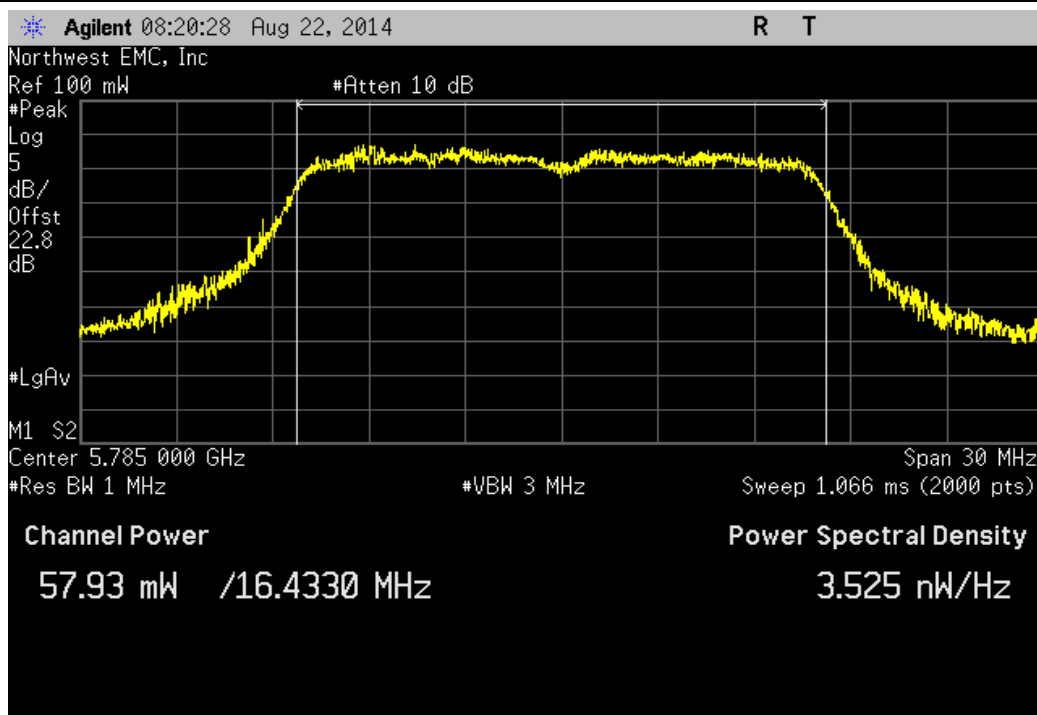
Port 2, 802.11(a) 36 Mbps, Low Channel 149, 5745 MHz

	Value	Limit (<)	Result
	43.495 mW	1 W	Pass



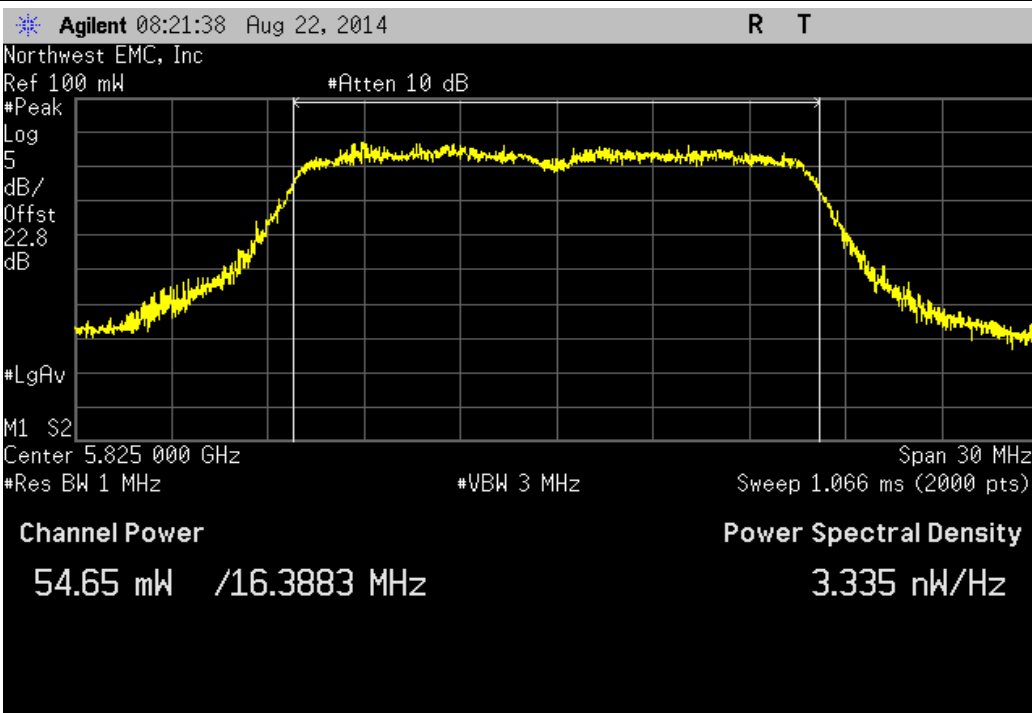
Port 2, 802.11(a) 36 Mbps, Mid Channel 157, 5785 MHz

	Value	Limit (<)	Result
	57.933 mW	1 W	Pass



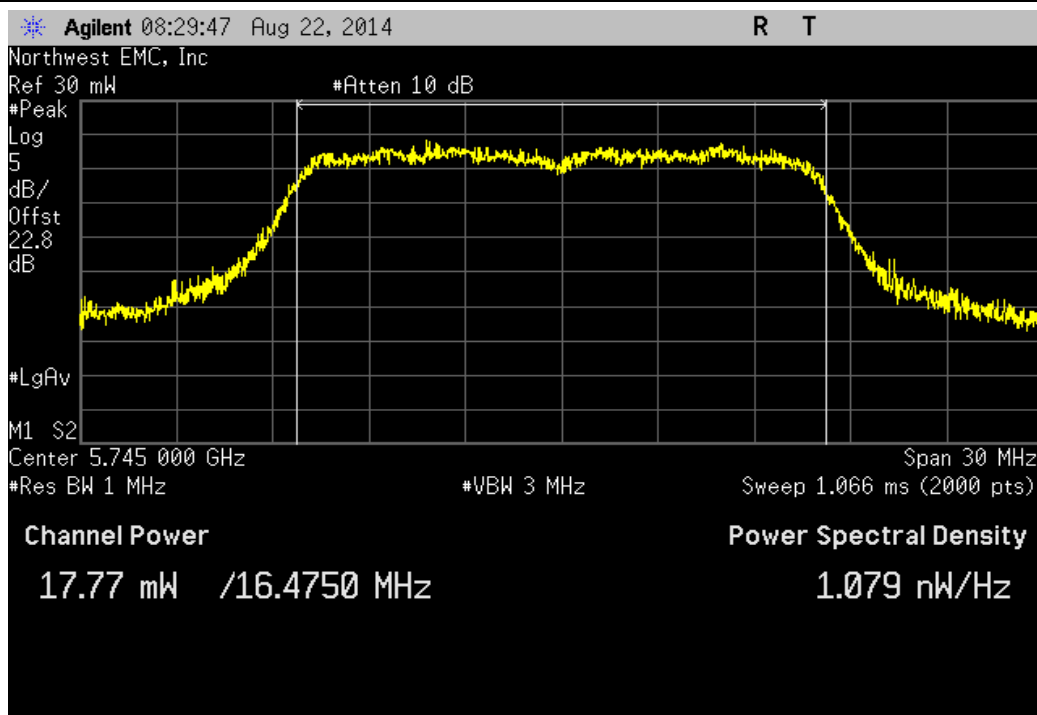
Port 2, 802.11(a) 36 Mbps, High Channel 165, 5825 MHz

	Value	Limit (<)	Result
	54.647 mW	1 W	Pass



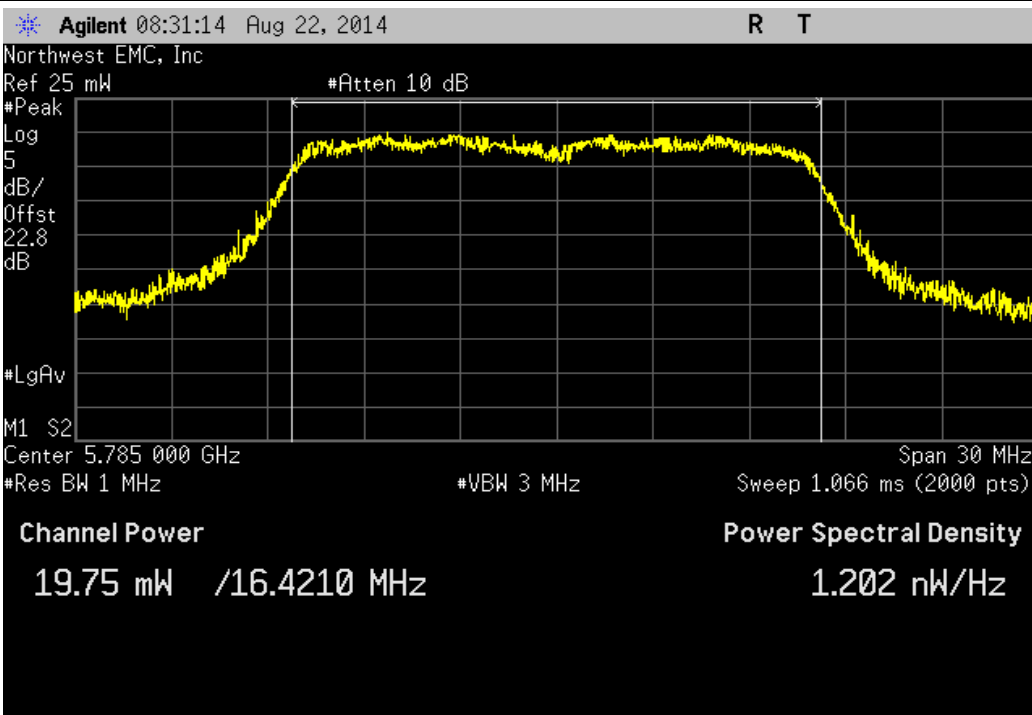
Port 2, 802.11(a) 54 Mbps, Low Channel 149, 5745 MHz

	Value	Limit (<)	Result
	17.771 mW	1 W	Pass



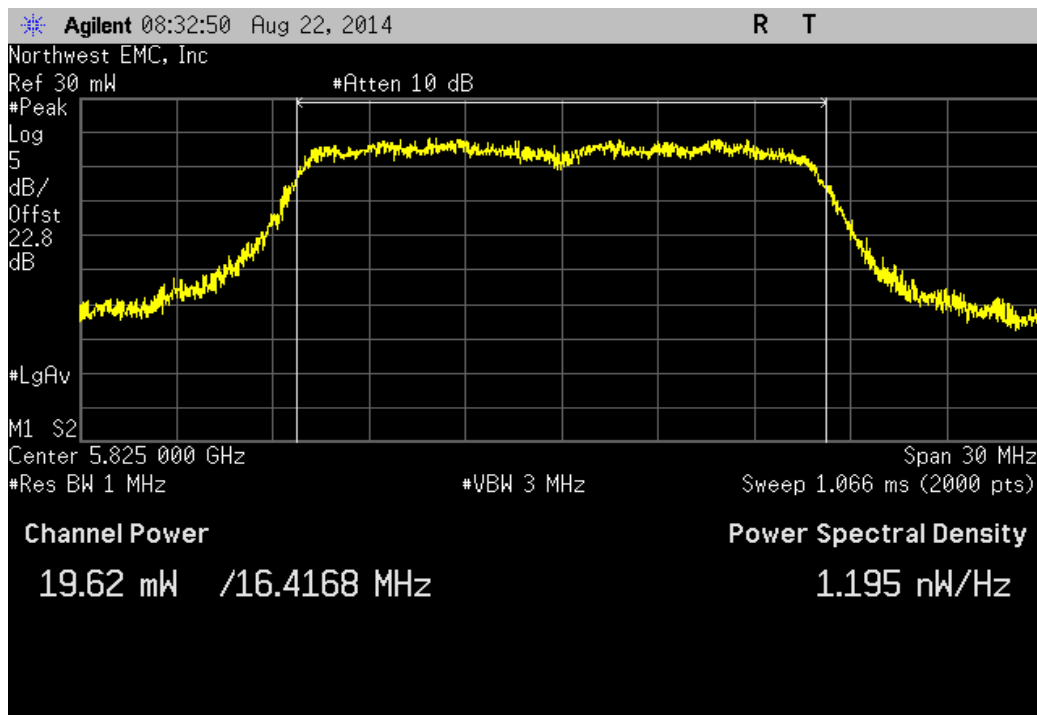
Port 2, 802.11(a) 54 Mbps, Mid Channel 157, 5785 MHz

Value	Limit (<)	Result
19.745 mW	1 W	Pass



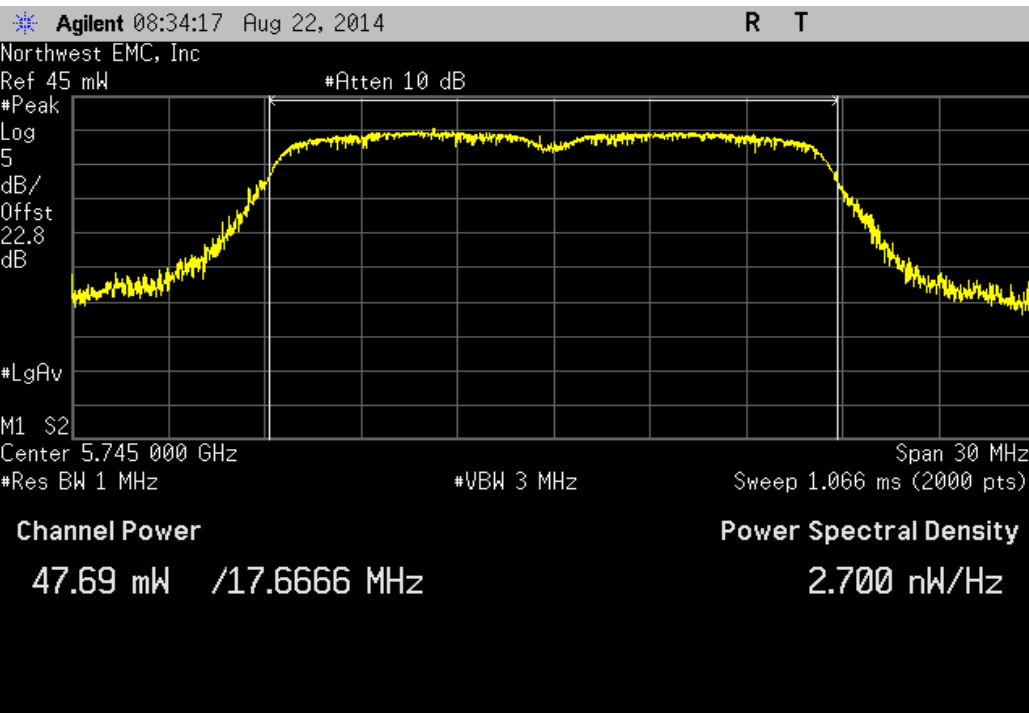
Port 2, 802.11(a) 54 Mbps, High Channel 165, 5825 MHz

Value	Limit (<)	Result
19.625 mW	1 W	Pass



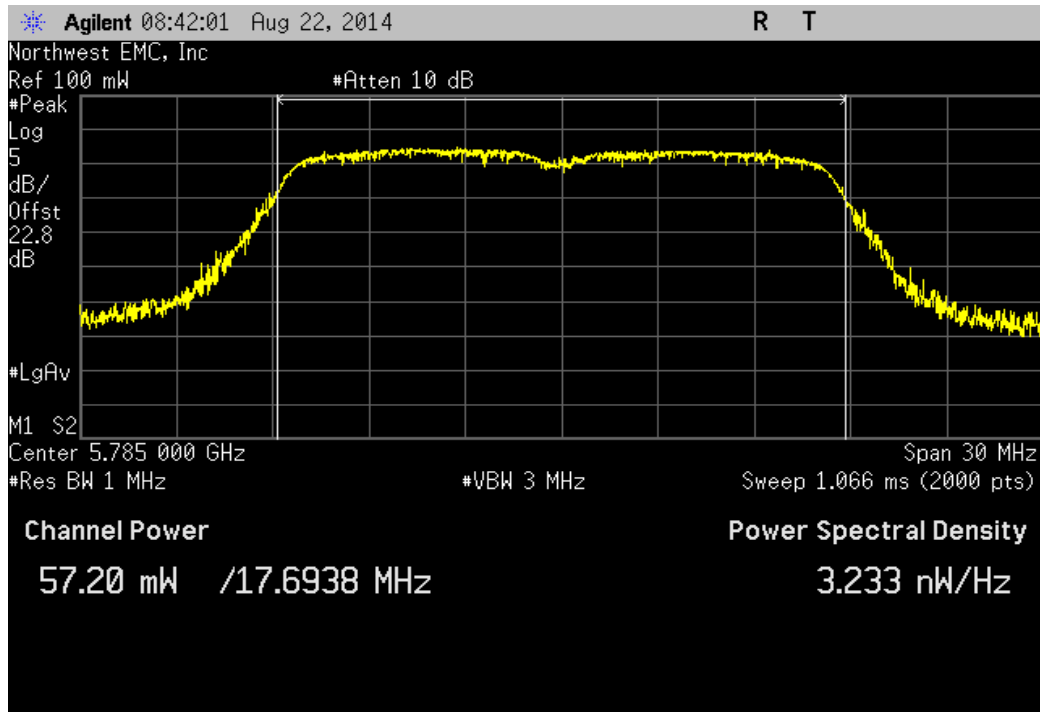
Port 2, 802.11(n) MCS0 - UNII, Low Channel 149, 5745 MHz

Value	Limit (<)	Result
47.693 mW	1 W	Pass



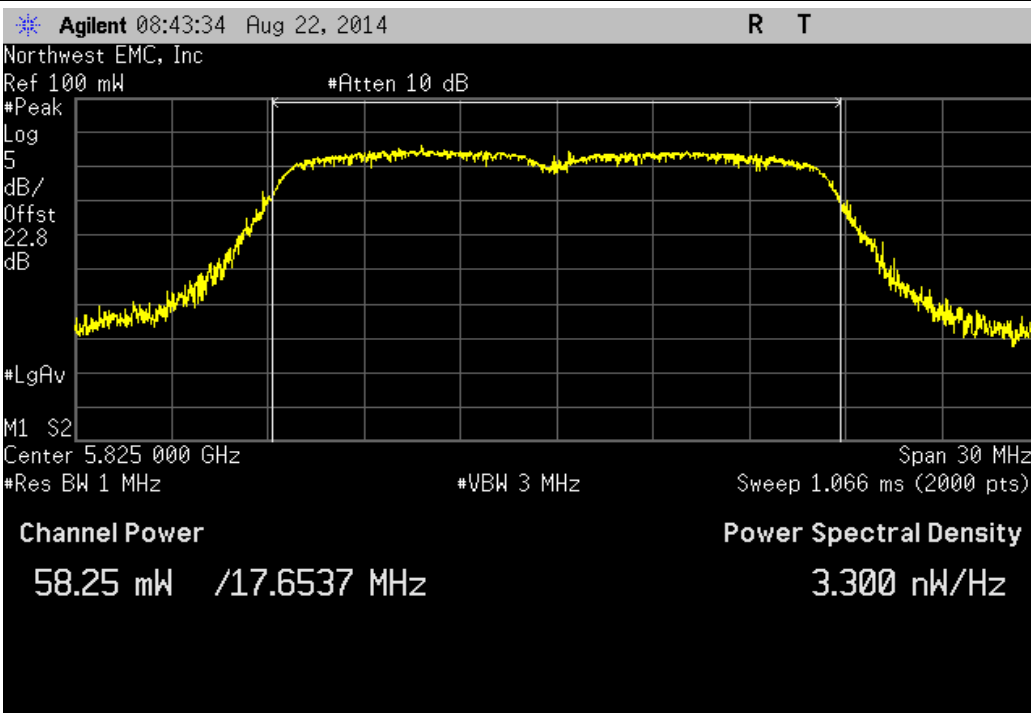
Port 2, 802.11(n) MCS0 - UNII, Mid Channel 157, 5785 MHz

Value	Limit (<)	Result
57.197 mW	1 W	Pass



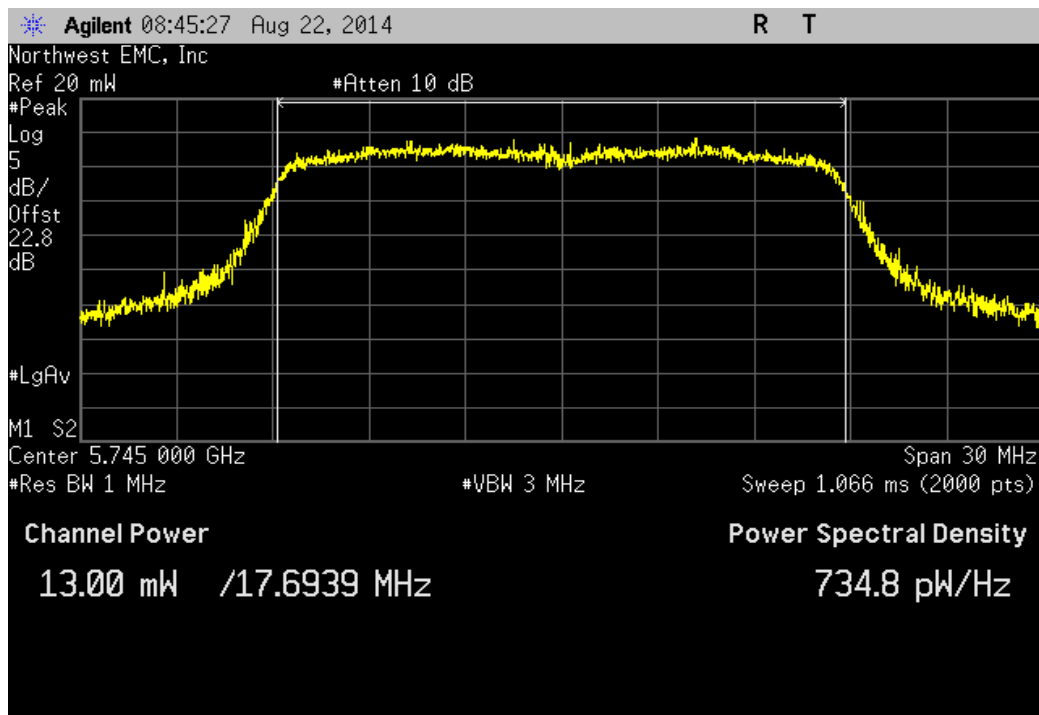
Port 2, 802.11(n) MCS0 - UNII, High Channel 165, 5825 MHz

	Value	Limit (<)	Result
	58.254 mW	1 W	Pass



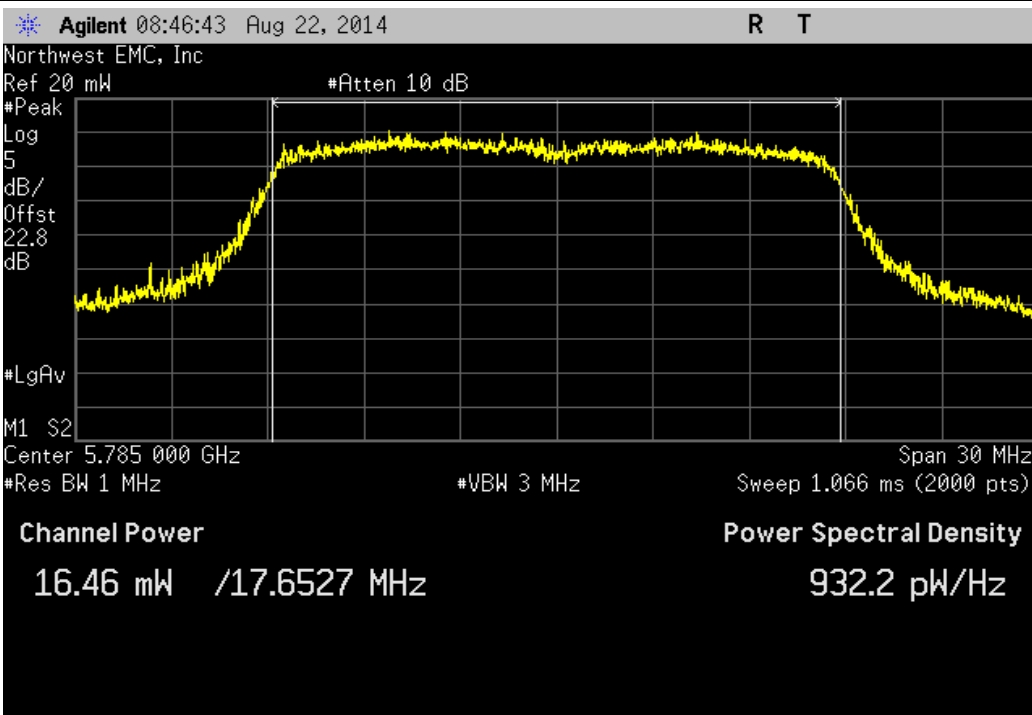
Port 2, 802.11(n) MCS7 - UNII, Low Channel 149, 5745 MHz

	Value	Limit (<)	Result
	13.002 mW	1 W	Pass



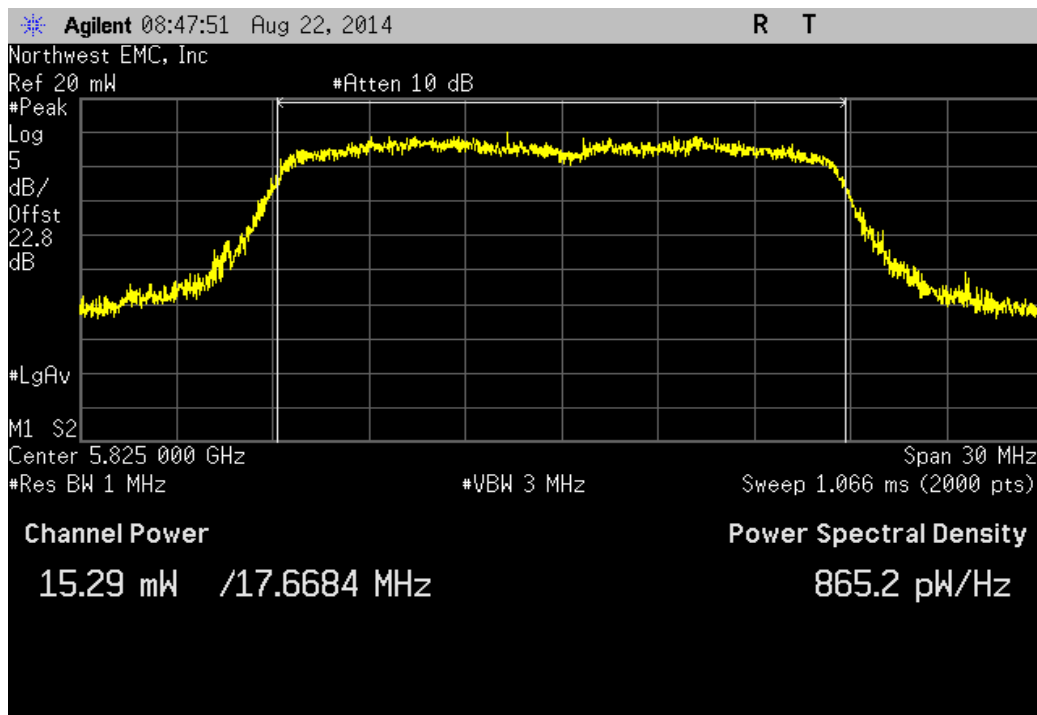
Port 2, 802.11(n) MCS7 - UNII, Mid Channel 157, 5785 MHz

	Value	Limit (<)	Result
	16.456 mW	1 W	Pass



Port 2, 802.11(n) MCS7 - UNII, High Channel 165, 5825 MHz

	Value	Limit (<)	Result
	15.287 mW	1 W	Pass



POWER SPECTRAL DENSITY

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.	Interval
Attenuator - 20db, 'SMA'	SM Electronics	SA26B-20	RFW	4/3/2014	12
40 GHz DC block	Fairview Microwave	SD3379	AMI	9/26/2013	12
Signal Generator MXG	Agilent	N5183A	TIK	6/7/2012	36
Spectrum Analyzer	Agilent	E4440A	AAX	4/28/2014	12

TEST DESCRIPTION

The maximum power spectral density measurements were measured with the EUT set to the required transmit frequencies in each band. The measurement was made using a direct connection between the RF output of the EUT and the spectrum analyzer. The EUT was transmitting at the lowest, middle, and maximum data rate for each modulation type available.

Per the procedure outlined in FCC KDB 558074 D01 DTS Measurement Section 5.3.1, the spectrum analyzer was used as follows:

- RBW = 100 kHz
- VBW = 300 kHz
- Detector = Peak (to match method used for power measurement)
- Trace = Max hold

The observed power level is then scaled to an equivalent value in 3 kHz by adding a Bandwidth Correction Factor (BWCF) where:

$$\text{BWCF} = 10 \cdot \text{LOG} (3 \text{ kHz} / 100 \text{ kHz}) = -15.2 \text{ dB}$$

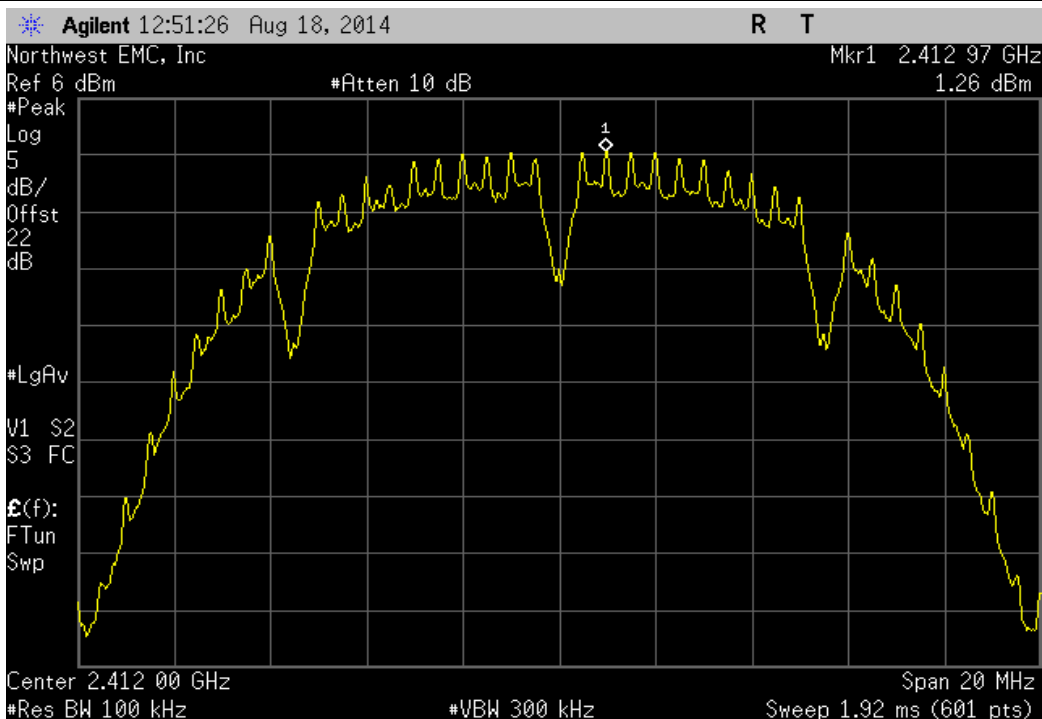


POWER SPECTRAL DENSITY

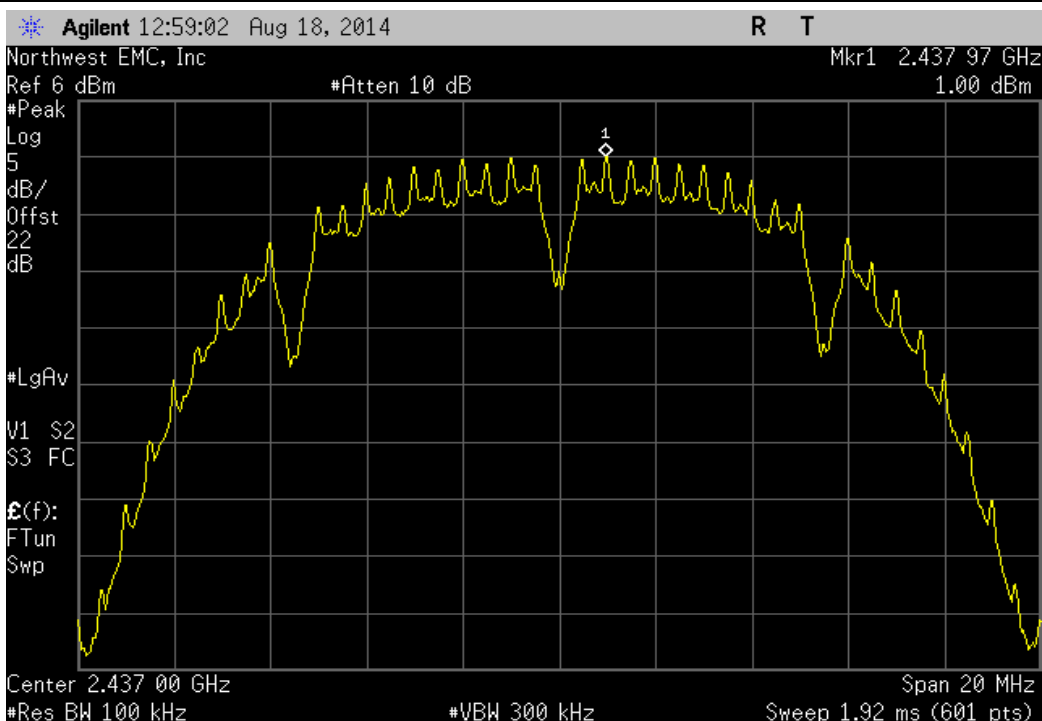
XMit 2014.02.07
NweTx 2014.07.18.3

EUT: ConnectCore6 (i.MX6)		Work Order: ETHE0008				
Serial Number: 00409D7B8CA2		Date: 09/10/14				
Customer: Etherios Design Solutions		Temperature: 22.3°C				
Attendees: None		Humidity: 47%				
Project: None		Barometric Pres.: 1016.2				
Tested by: Trevor Buls		Power: 5.0VDC	Job Site: MN08			
TEST SPECIFICATIONS		Test Method				
FCC 15.247:2014		ANSI C63.10:2009				
COMMENTS						
None						
DEVIATIONS FROM TEST STANDARD						
None						
Configuration #	1	Signature <i>Trevor Buls</i>				
		Value	dBm/100kHz	Value	Limit	
		dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	Results
Port 1						
802.11(b) 1 Mbps						
Low Channel 1, 2412 MHz		1.26	-15.2	-13.94	8	Pass
Mid Channel 6, 2437 MHz		1.002	-15.2	-14.198	8	Pass
High Channel 11, 2462 MHz		0.438	-15.2	-14.762	8	Pass
802.11(b) 11 Mbps						
Low Channel 1, 2412 MHz		1.277	-15.2	-13.923	8	Pass
Mid Channel 6, 2437 MHz		1.076	-15.2	-14.124	8	Pass
High Channel 11, 2462 MHz		0.555	-15.2	-14.645	8	Pass
802.11(g) 6 Mbps						
Low Channel 1, 2412 MHz		-2.963	-15.2	-18.163	8	Pass
Mid Channel 6, 2437 MHz		-2.54	-15.2	-17.74	8	Pass
High Channel 11, 2462 MHz		-3.746	-15.2	-18.946	8	Pass
802.11(g) 36 Mbps						
Low Channel 1, 2412 MHz		-2.409	-15.2	-17.609	8	Pass
Mid Channel 6, 2437 MHz		-1.97	-15.2	-17.17	8	Pass
High Channel 11, 2462 MHz		-2.599	-15.2	-17.799	8	Pass
802.11(g) 54 Mbps						
Low Channel 1, 2412 MHz		-1.374	-15.2	-16.574	8	Pass
Mid Channel 6, 2437 MHz		-2.15	-15.2	-17.35	8	Pass
High Channel 11, 2462 MHz		-2.074	-15.2	-17.274	8	Pass
802.11(n) MCS0						
Low Channel 1, 2412 MHz		-3.631	-15.2	-18.831	8	Pass
Mid Channel 6, 2437 MHz		-3.33	-15.2	-18.53	8	Pass
High Channel 11, 2462 MHz		-3.801	-15.2	-19.001	8	Pass
802.11(n) MCS7						
Low Channel 1, 2412 MHz		-5.131	-15.2	-20.331	8	Pass
Mid Channel 6, 2437 MHz		-5.115	-15.2	-20.315	8	Pass
High Channel 11, 2462 MHz		-3.988	-15.2	-19.188	8	Pass
802.11(a) 6 Mbps						
Low Channel 149, 5745 MHz		1.938	-15.2	-13.262	8	Pass
Mid Channel 157, 5785 MHz		2.127	-15.2	-13.073	8	Pass
High Channel 165, 5825 MHz		2.298	-15.2	-12.902	8	Pass
802.11(a) 36 Mbps						
Low Channel 149, 5745 MHz		3.144	-15.2	-12.056	8	Pass
Mid Channel 157, 5785 MHz		4.323	-15.2	-10.877	8	Pass
High Channel 165, 5825 MHz		3.837	-15.2	-11.363	8	Pass
802.11(a) 54 Mbps						
Low Channel 149, 5745 MHz		0.7	-15.2	-14.5	8	Pass
Mid Channel 157, 5785 MHz		0.436	-15.2	-14.764	8	Pass
High Channel 165, 5825 MHz		1.128	-15.2	-14.072	8	Pass
802.11(n) MCS0 - UNII						
Low Channel 149, 5745 MHz		2.122	-15.2	-13.078	8	Pass
Mid Channel 157, 5785 MHz		2.698	-15.2	-12.502	8	Pass
High Channel 165, 5825 MHz		2.98	-15.2	-12.22	8	Pass
802.11(n) MCS7 - UNII						
Low Channel 149, 5745 MHz		-1.771	-15.2	-16.971	8	Pass
Mid Channel 157, 5785 MHz		-0.667	-15.2	-15.867	8	Pass
High Channel 165, 5825 MHz		-0.365	-15.2	-15.565	8	Pass

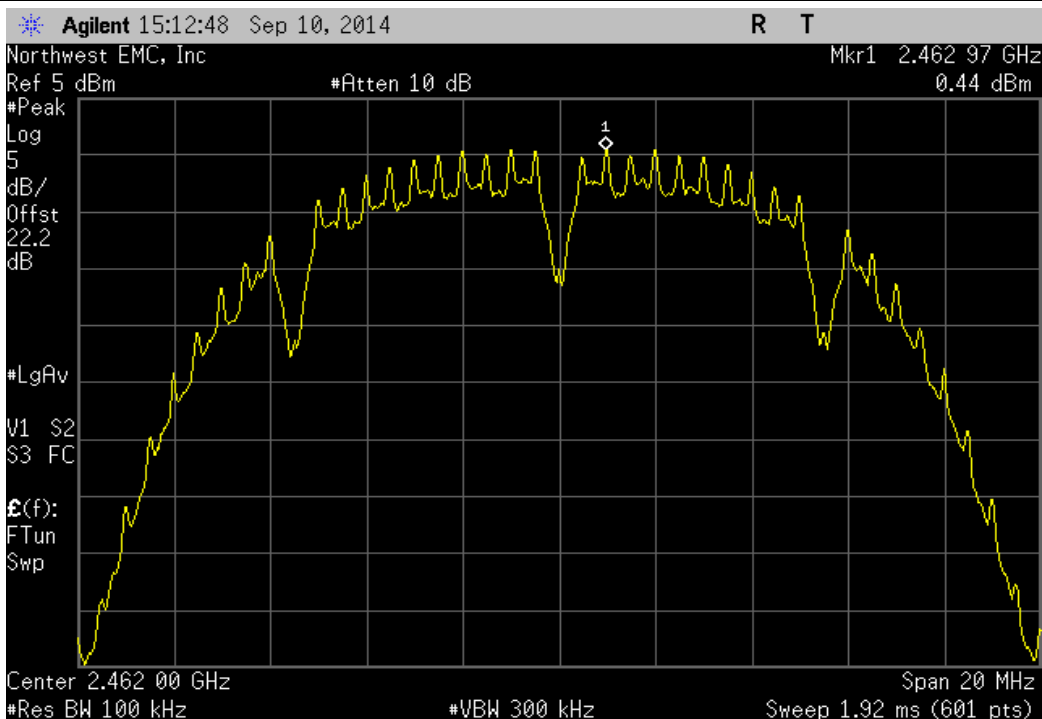
Port 1, 802.11(b) 1 Mbps, Low Channel 1, 2412 MHz					
	Value	dBm/100kHz	Value	Limit	Results
		To dBm/3kHz	dBm/3kHz		
	1.26	-15.2	-13.94	8	Pass



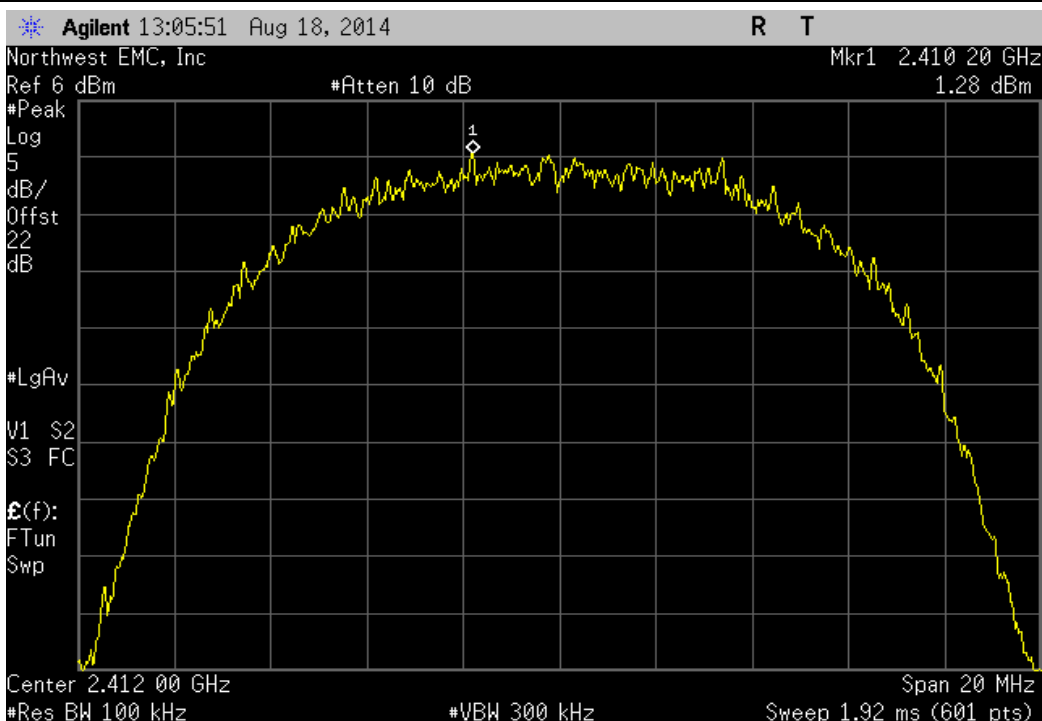
Port 1, 802.11(b) 1 Mbps, Mid Channel 6, 2437 MHz					
	Value	dBm/100kHz	Value	Limit	Results
		To dBm/3kHz	dBm/3kHz		
	1.002	-15.2	-14.198	8	Pass



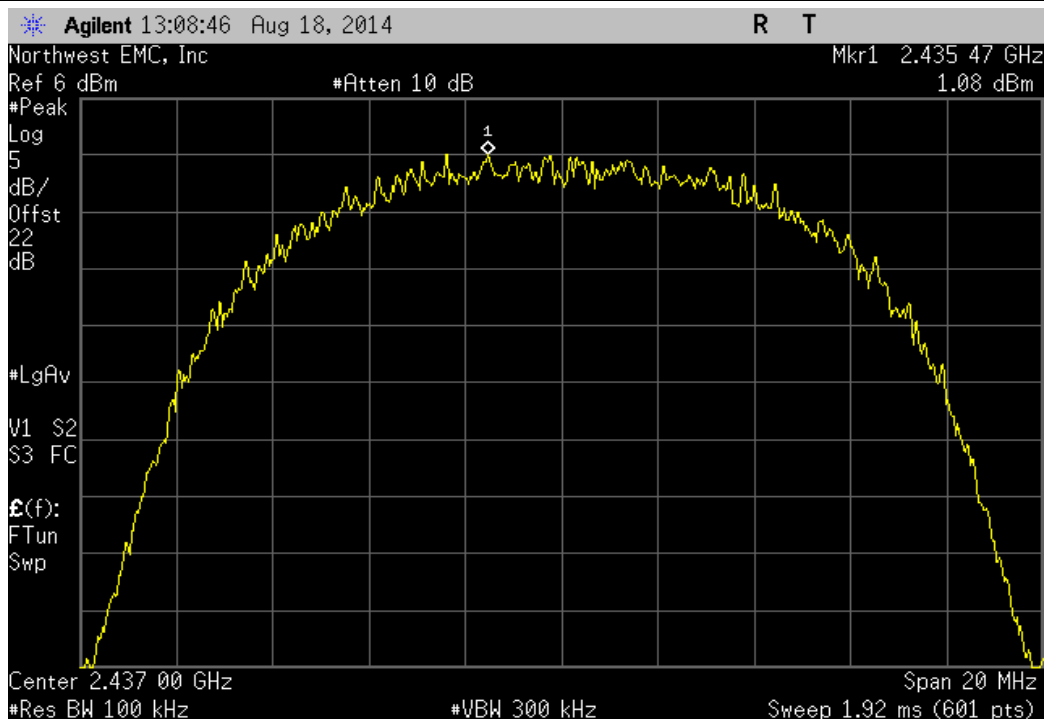
Port 1, 802.11(b) 1 Mbps, High Channel 11, 2462 MHz					
	Value	dBm/100kHz	Value	Limit	Results
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	
	0.438	-15.2	-14.762	8	Pass



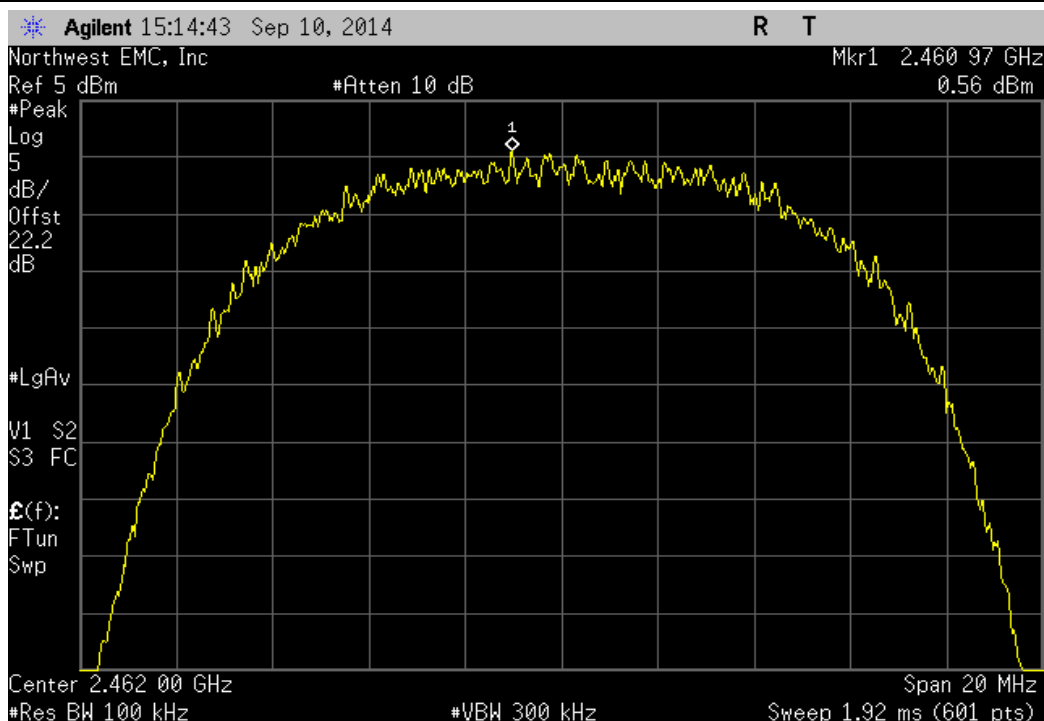
Port 1, 802.11(b) 11 Mbps, Low Channel 1, 2412 MHz					
	Value	dBm/100kHz	Value	Limit	Results
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	
	1.277	-15.2	-13.923	8	Pass



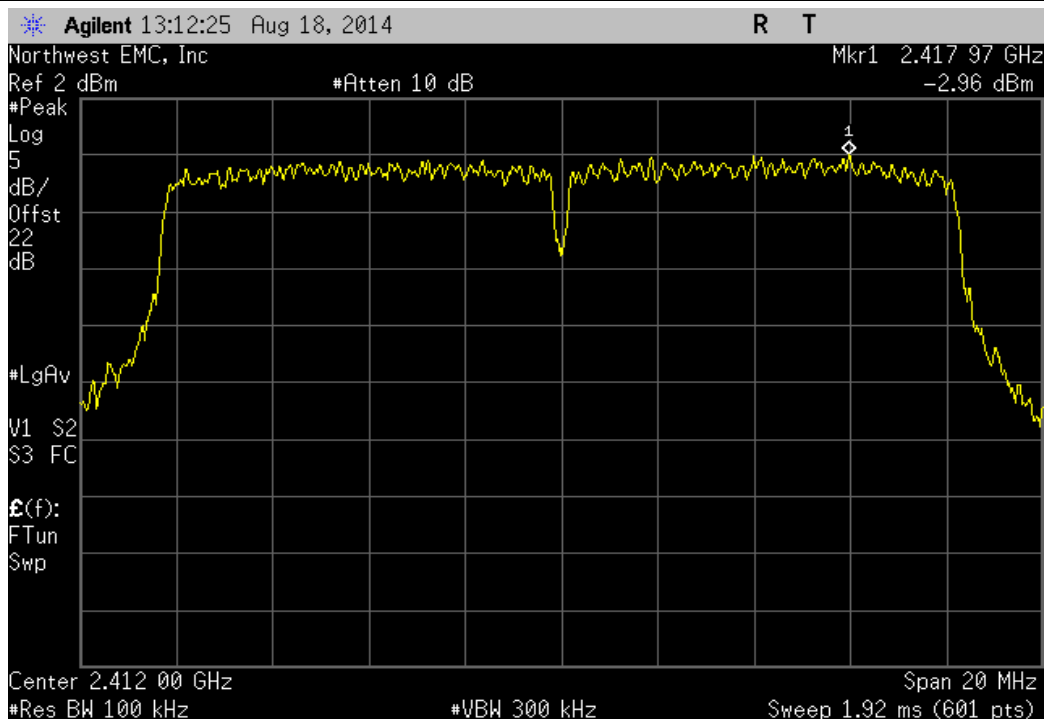
Port 1, 802.11(b) 11 Mbps, Mid Channel 6, 2437 MHz					
	Value	dBm/100kHz	Value	Limit	Results
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	
	1.076	-15.2	-14.124	8	Pass



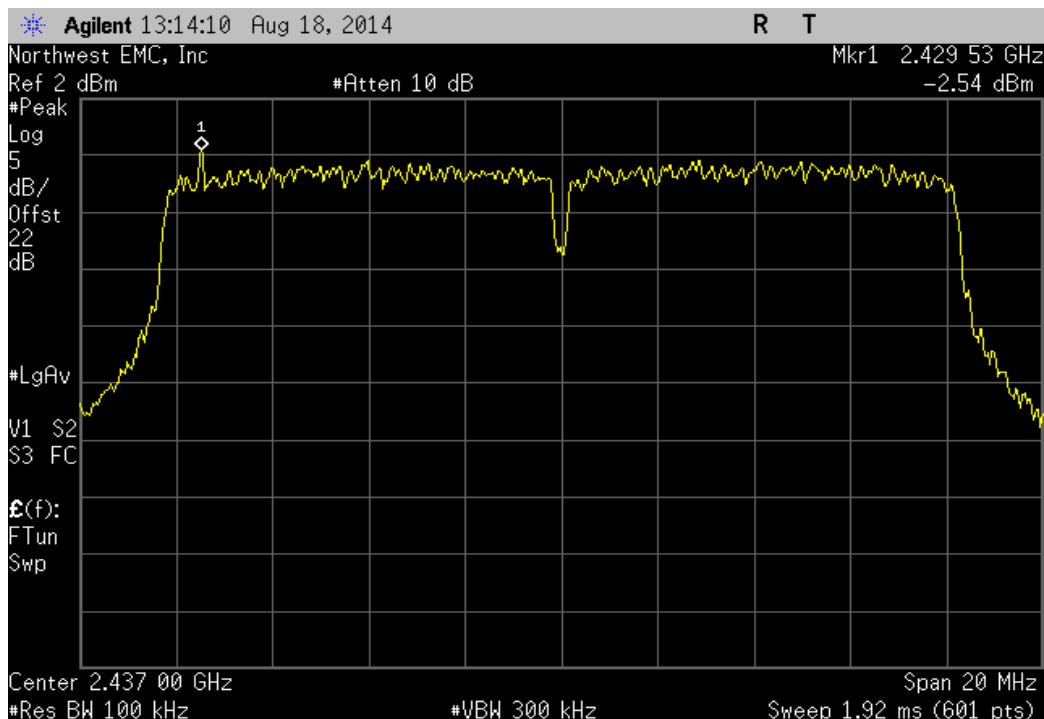
Port 1, 802.11(b) 11 Mbps, High Channel 11, 2462 MHz					
	Value	dBm/100kHz	Value	Limit	Results
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	
	0.555	-15.2	-14.645	8	Pass



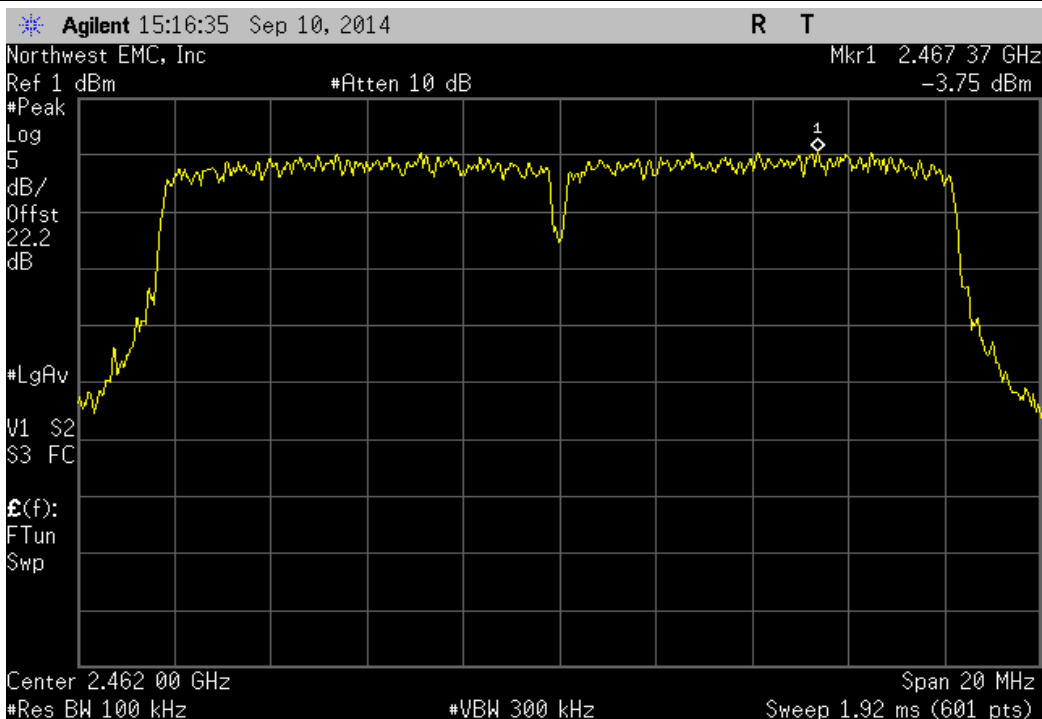
Port 1, 802.11(g) 6 Mbps, Low Channel 1, 2412 MHz					
	Value	dBm/100kHz	Value	Limit	Results
		To dBm/3kHz	dBm/3kHz		
	-2.963	-15.2	-18.163	8	Pass



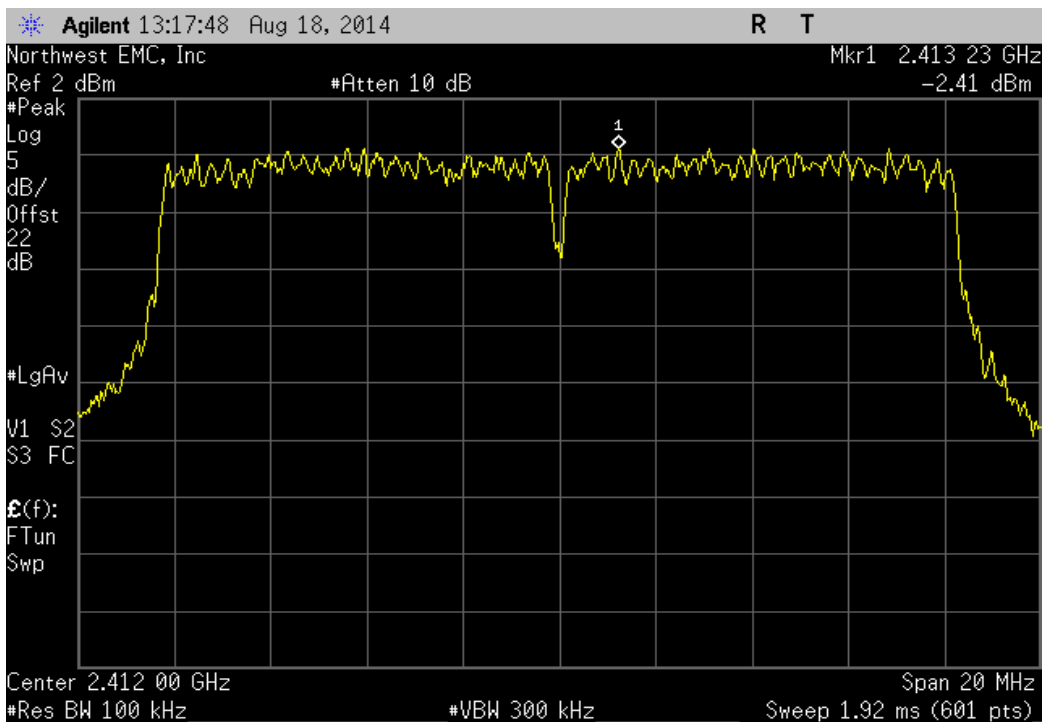
Port 1, 802.11(g) 6 Mbps, Mid Channel 6, 2437 MHz					
	Value	dBm/100kHz	Value	Limit	Results
		To dBm/3kHz	dBm/3kHz		
	-2.54	-15.2	-17.74	8	Pass



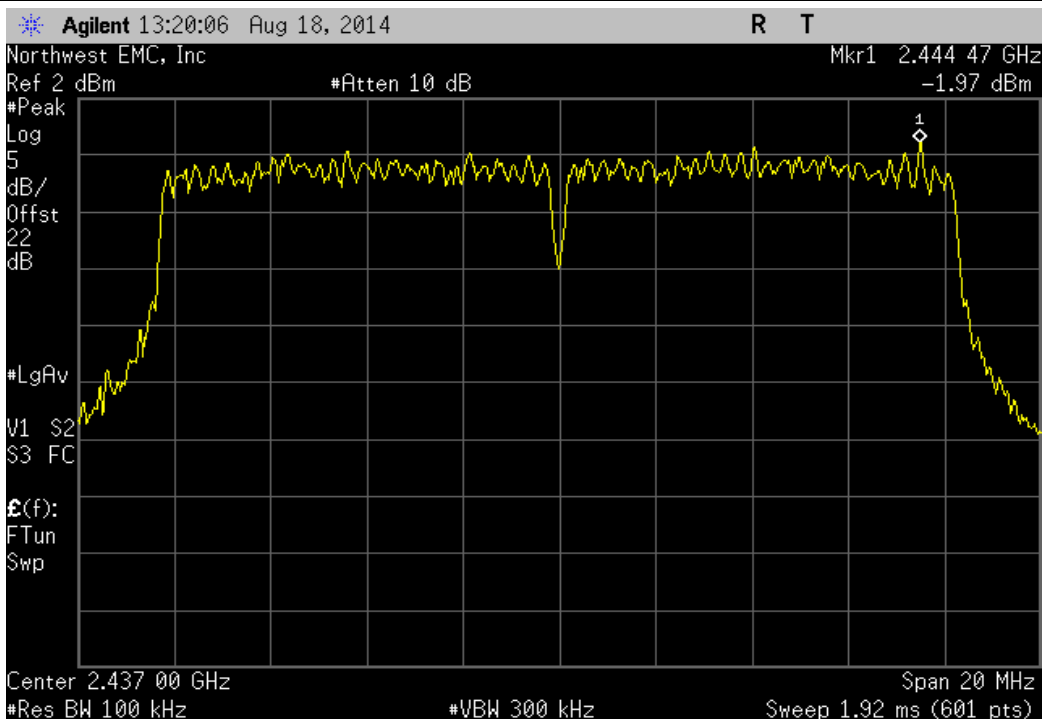
Port 1, 802.11(g) 6 Mbps, High Channel 11, 2462 MHz					
	Value	dBm/100kHz	Value	Limit	Results
		To dBm/3kHz	dBm/3kHz		
	-3.746	-15.2	-18.946	8	Pass



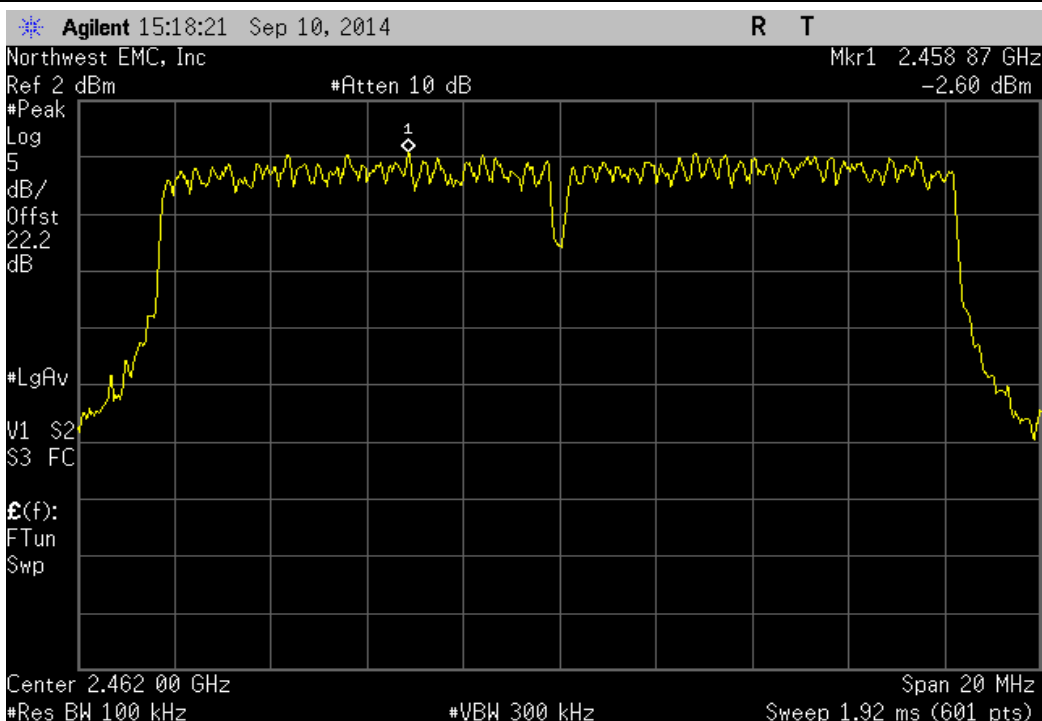
Port 1, 802.11(g) 36 Mbps, Low Channel 1, 2412 MHz					
	Value	dBm/100kHz	Value	Limit	Results
		To dBm/3kHz	dBm/3kHz		
	-2.409	-15.2	-17.609	8	Pass



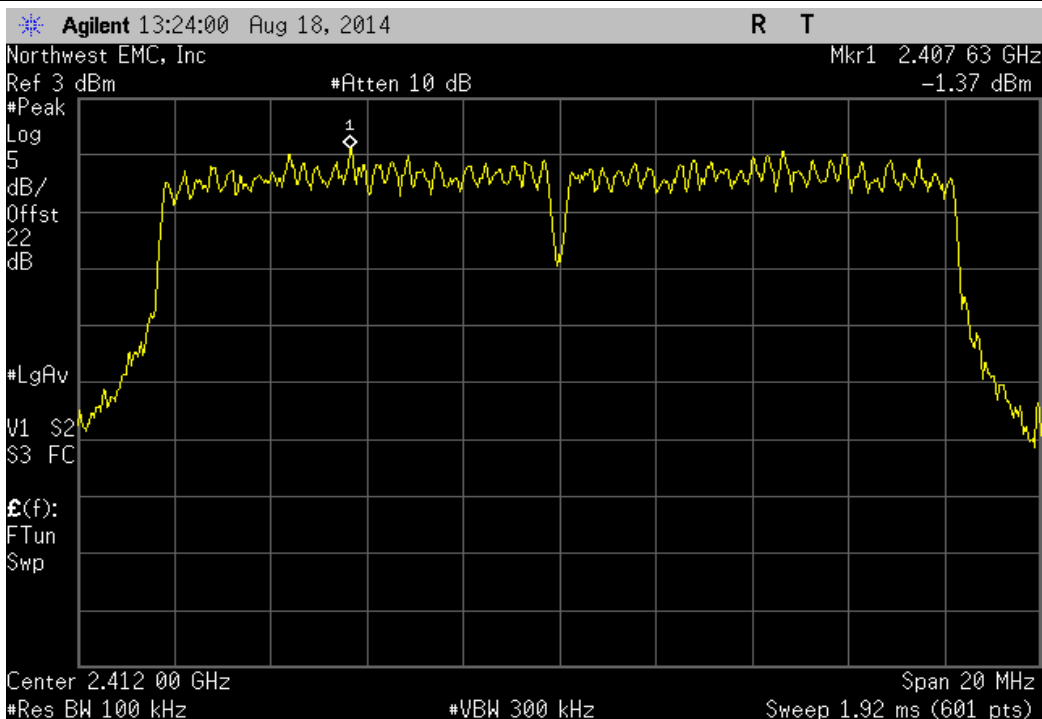
Port 1, 802.11(g) 36 Mbps, Mid Channel 6, 2437 MHz					
Value	dBm/100kHz	Value	Limit	Results	
dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz		
-1.97	-15.2	-17.17	8	Pass	



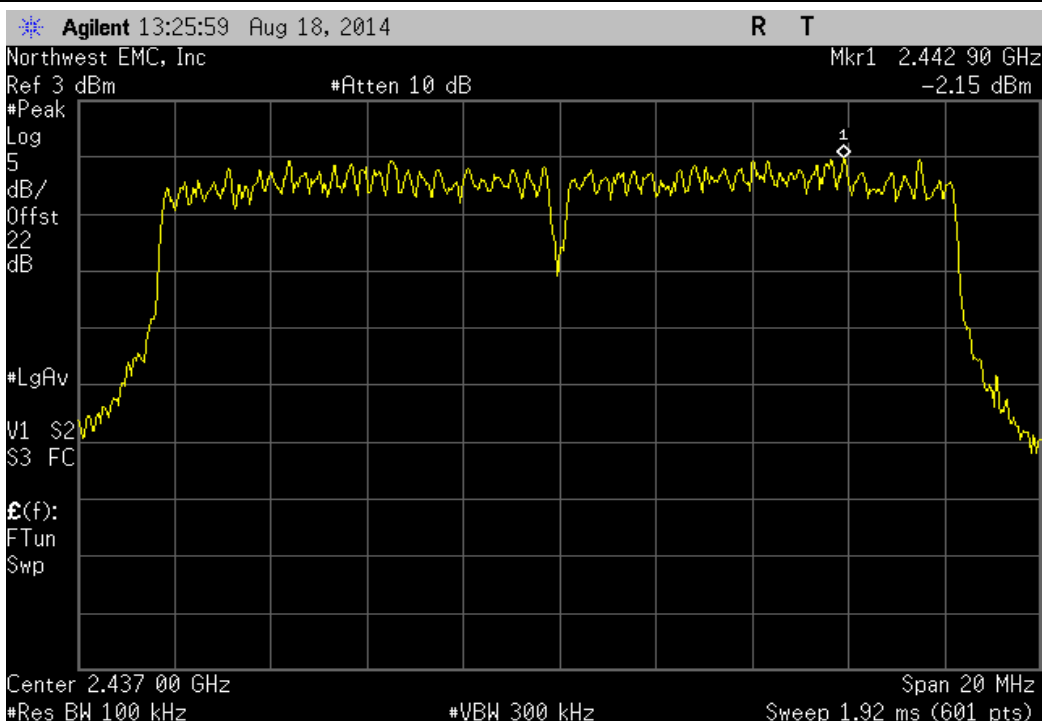
Port 1, 802.11(g) 36 Mbps, High Channel 11, 2462 MHz					
Value	dBm/100kHz	Value	Limit	Results	
dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz		
-2.599	-15.2	-17.799	8	Pass	



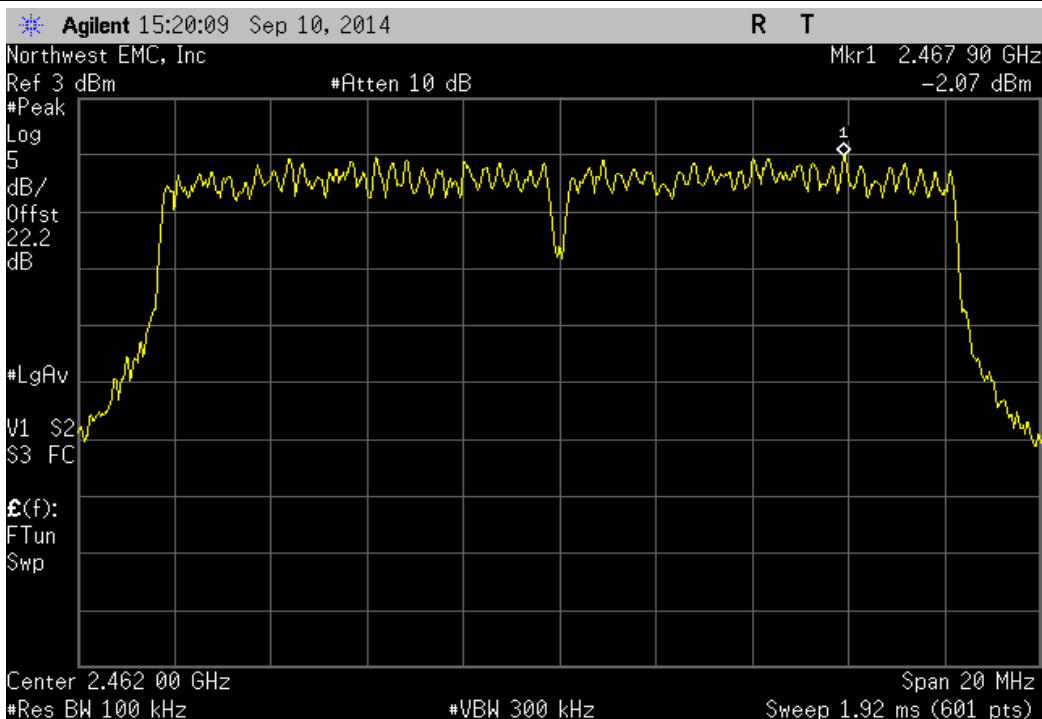
Port 1, 802.11(g) 54 Mbps, Low Channel 1, 2412 MHz					
	Value	dBm/100kHz	Value	Limit	Results
			To dBm/3kHz		
	-1.374	-15.2	-16.574	8	Pass



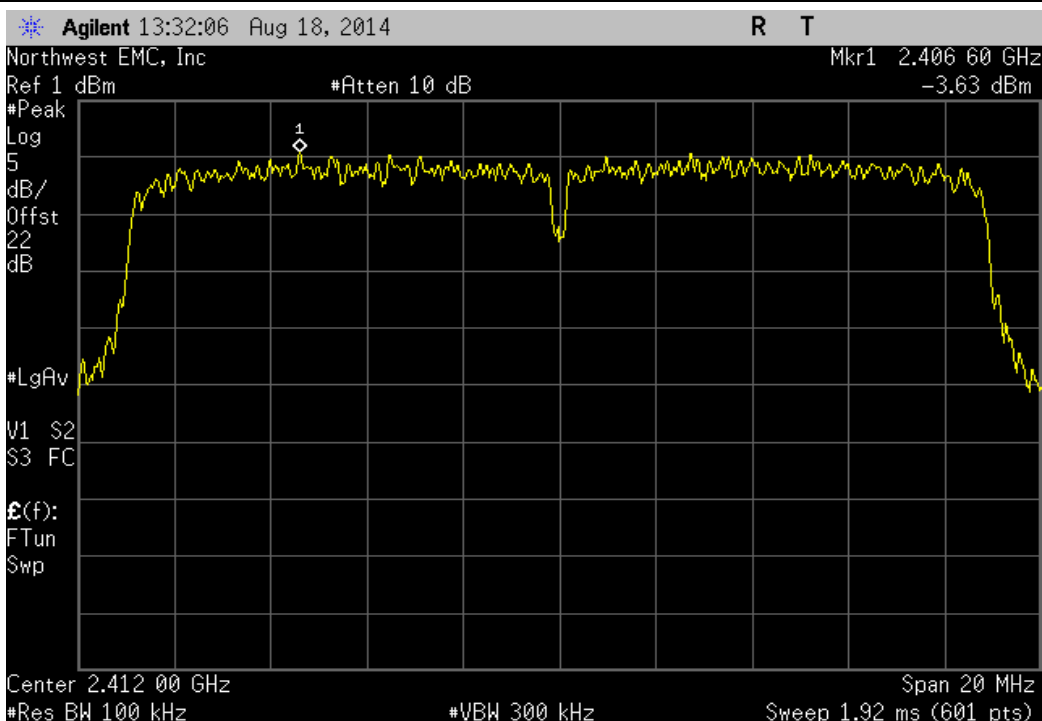
Port 1, 802.11(g) 54 Mbps, Mid Channel 6, 2437 MHz					
	Value	dBm/100kHz	Value	Limit	Results
			To dBm/3kHz		
	-2.15	-15.2	-17.35	8	Pass



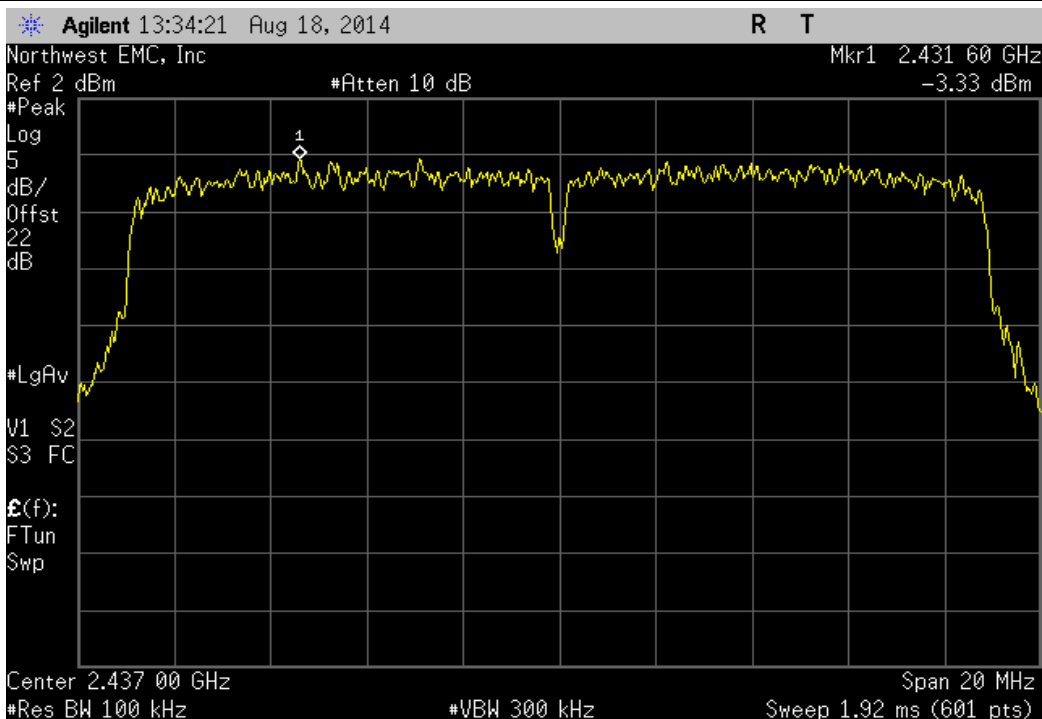
Port 1, 802.11(g) 54 Mbps, High Channel 11, 2462 MHz					
	Value	dBm/100kHz	Value	Limit	Results
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	
	-2.074	-15.2	-17.274	8	Pass



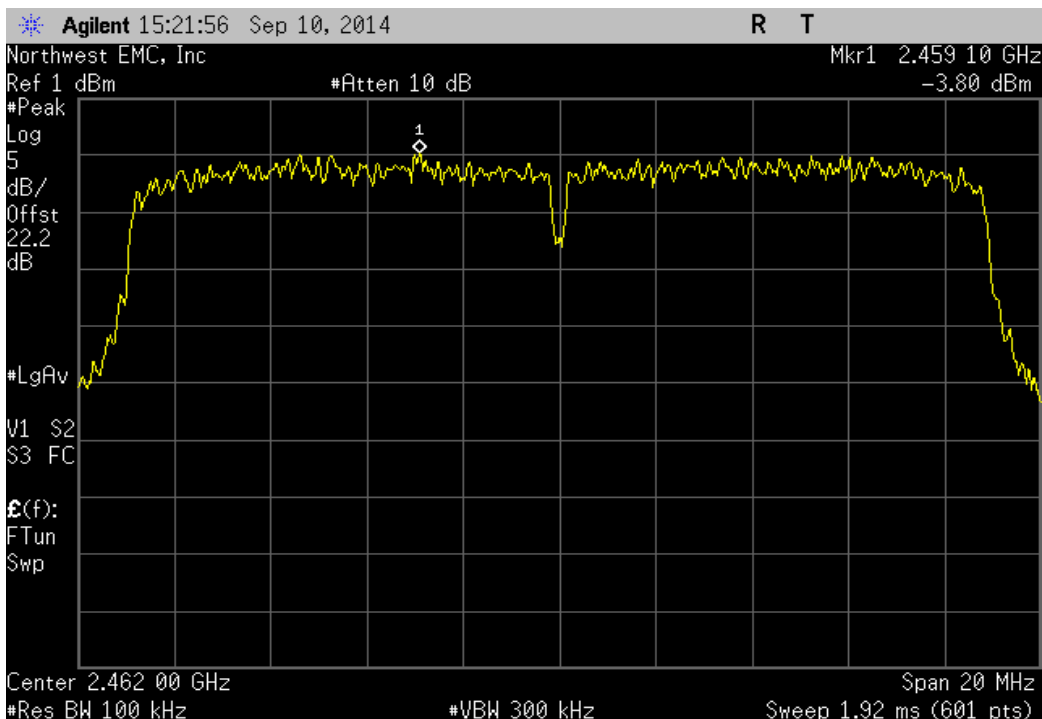
Port 1, 802.11(n) MCS0, Low Channel 1, 2412 MHz					
	Value	dBm/100kHz	Value	Limit	Results
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	
	-3.631	-15.2	-18.831	8	Pass



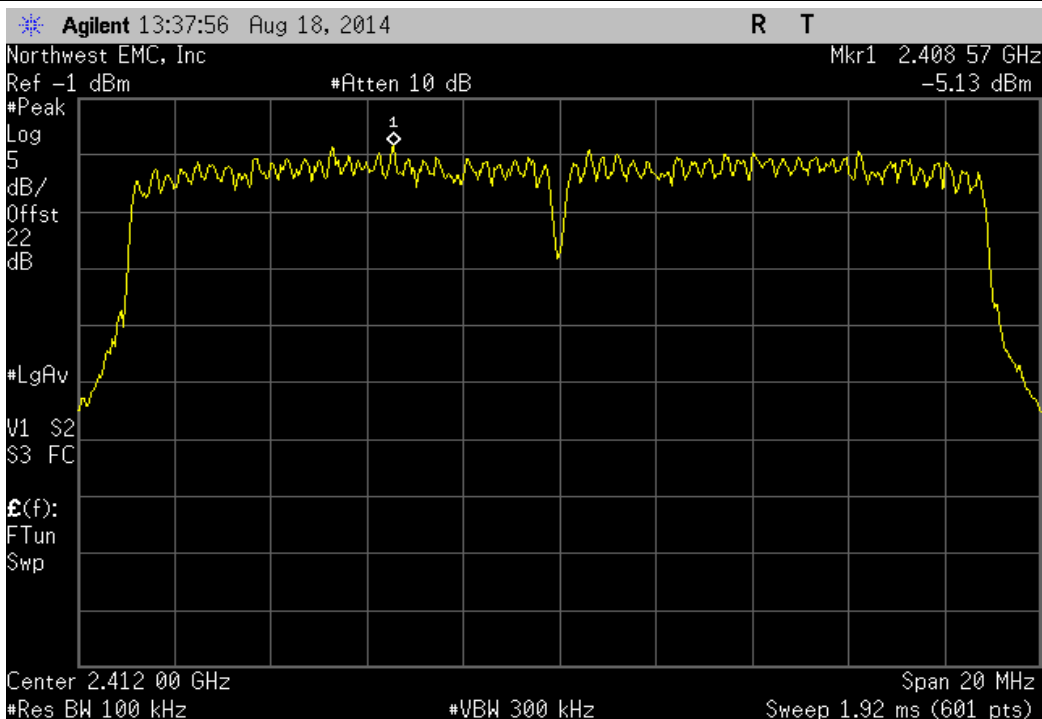
Port 1, 802.11(n) MCS0, Mid Channel 6, 2437 MHz					
	Value	dBm/100kHz	Value	Limit	Results
		To dBm/3kHz			
	-3.33	-15.2	-18.53	8	Pass



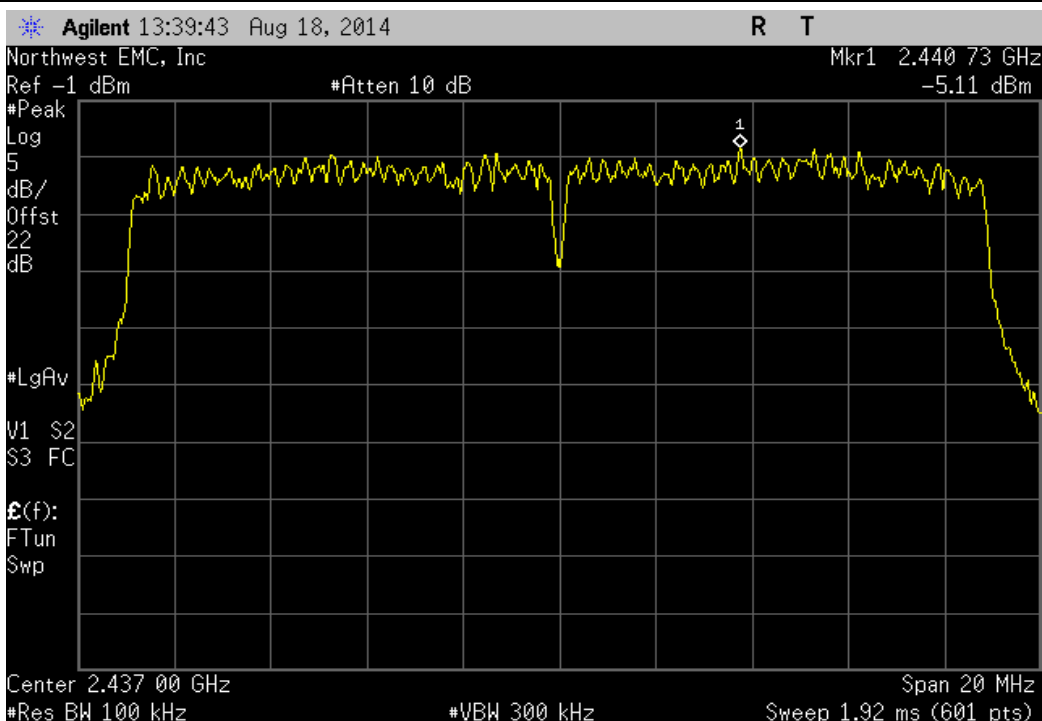
Port 1, 802.11(n) MCS0, High Channel 11, 2462 MHz					
	Value	dBm/100kHz	Value	Limit	Results
		To dBm/3kHz			
	-3.801	-15.2	-19.001	8	Pass



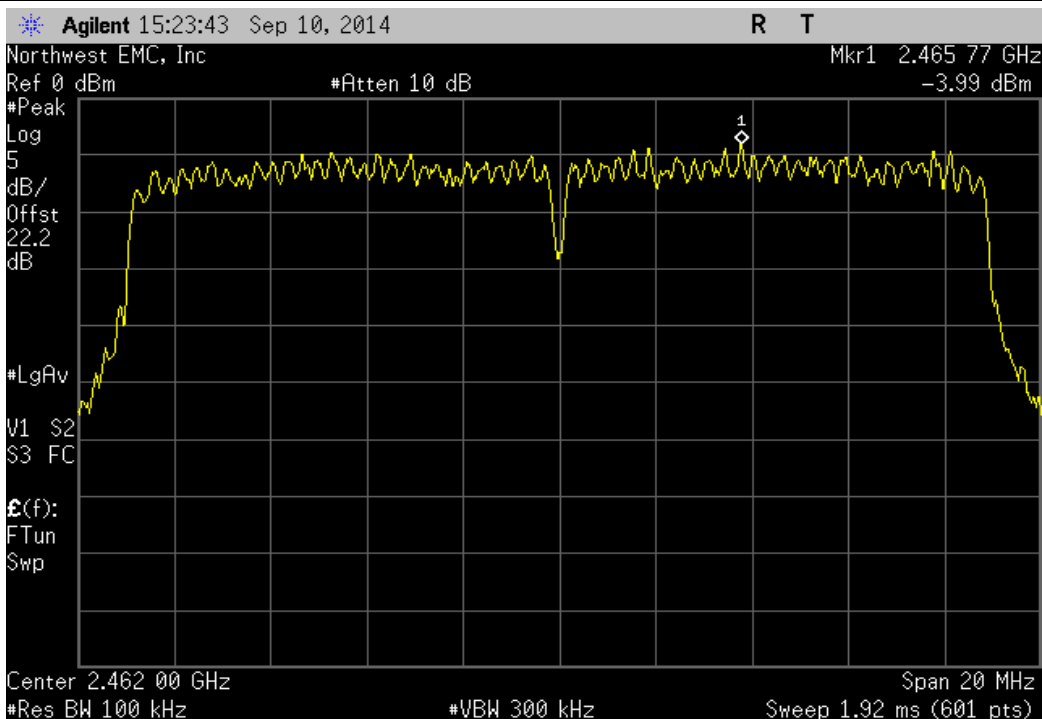
Port 1, 802.11(n) MCS7, Low Channel 1, 2412 MHz					
	Value	dBm/100kHz	Value	Limit	Results
		To dBm/3kHz			
	-5.131	-15.2	-20.331	8	Pass



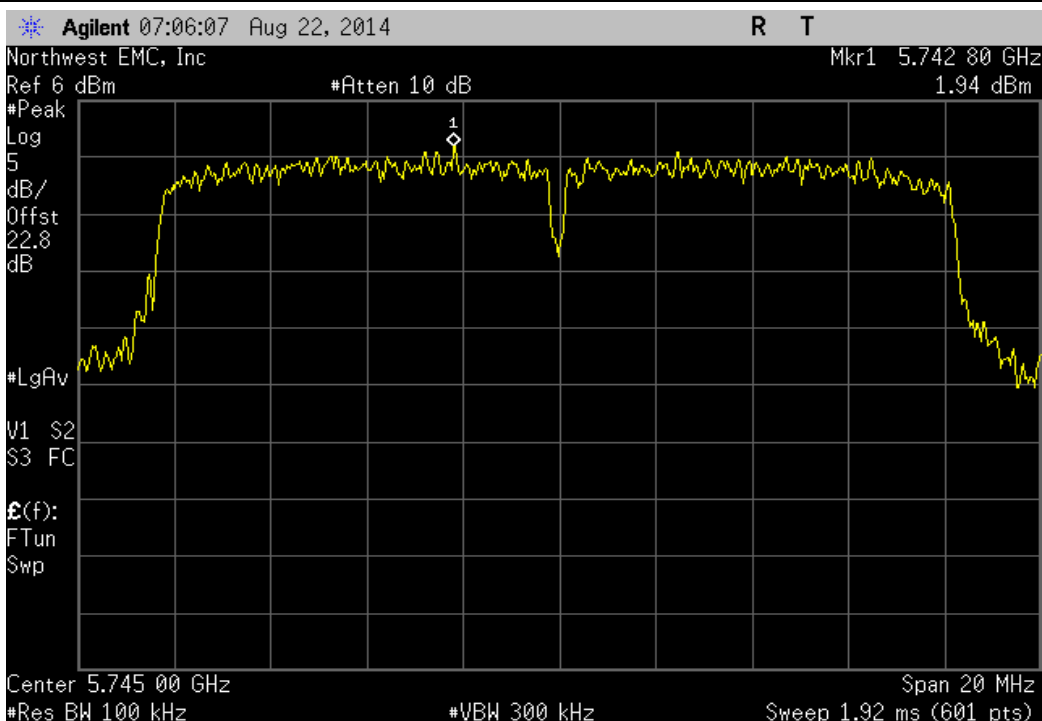
Port 1, 802.11(n) MCS7, Mid Channel 6, 2437 MHz					
	Value	dBm/100kHz	Value	Limit	Results
		To dBm/3kHz			
	-5.115	-15.2	-20.315	8	Pass



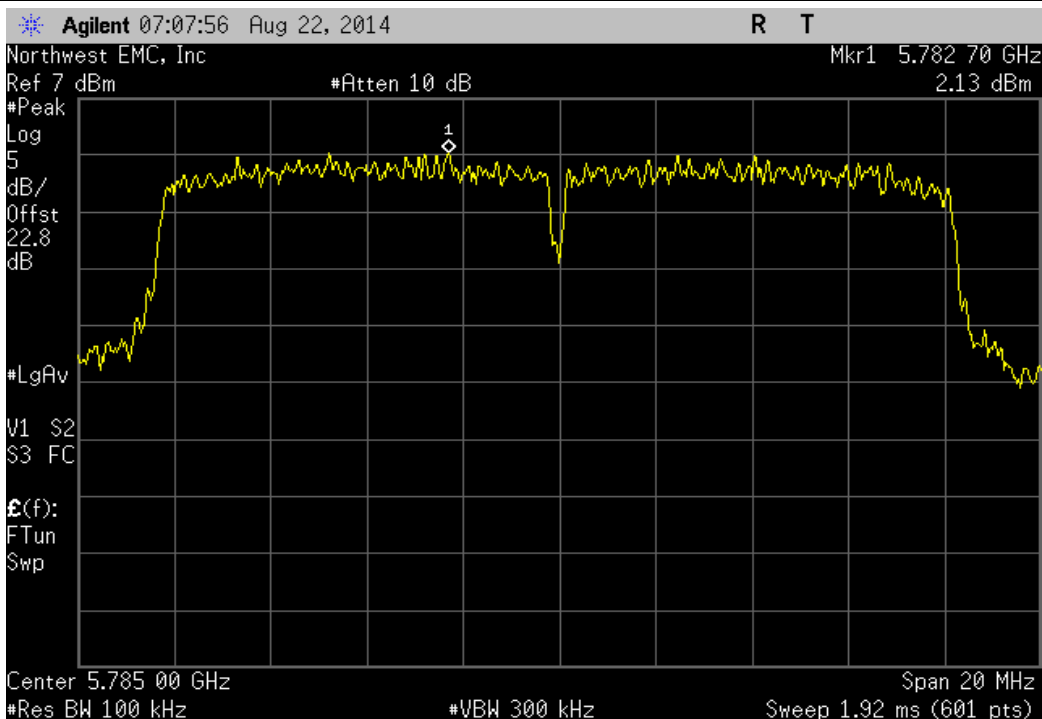
Port 1, 802.11(n) MCS7, High Channel 11, 2462 MHz					
	Value	dBm/100kHz	Value	Limit	Results
		To dBm/3kHz	dBm/3kHz		
	-3.988	-15.2	-19.188	8	Pass



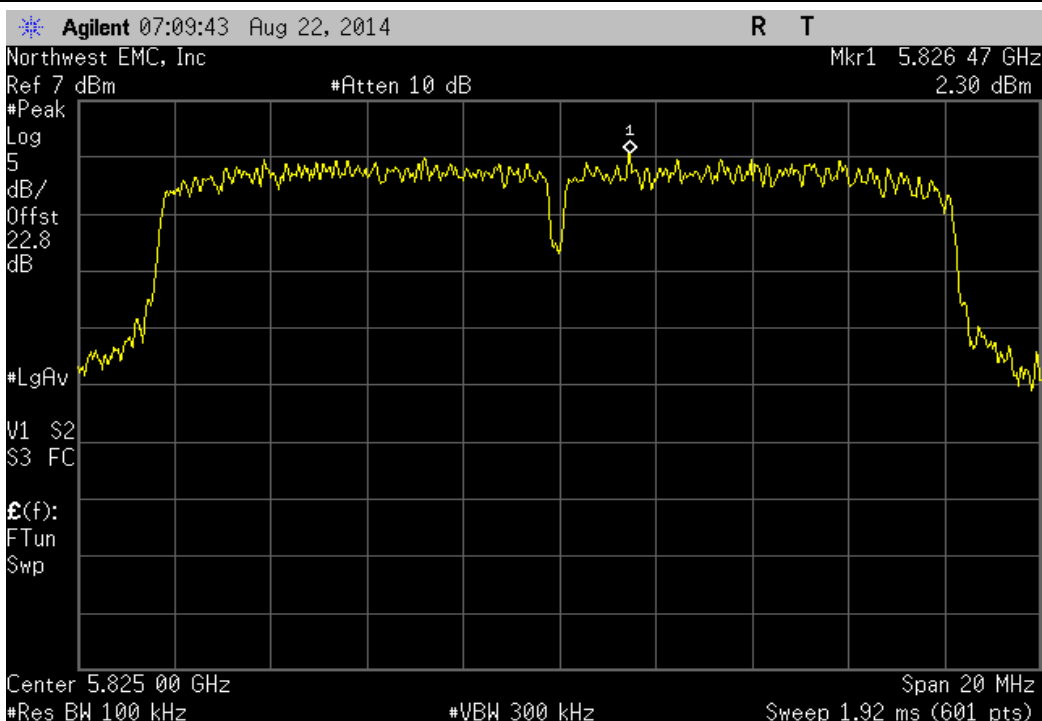
Port 1, 802.11(a) 6 Mbps, Low Channel 149, 5745 MHz					
	Value	dBm/100kHz	Value	Limit	Results
		To dBm/3kHz	dBm/3kHz		
	1.938	-15.2	-13.262	8	Pass



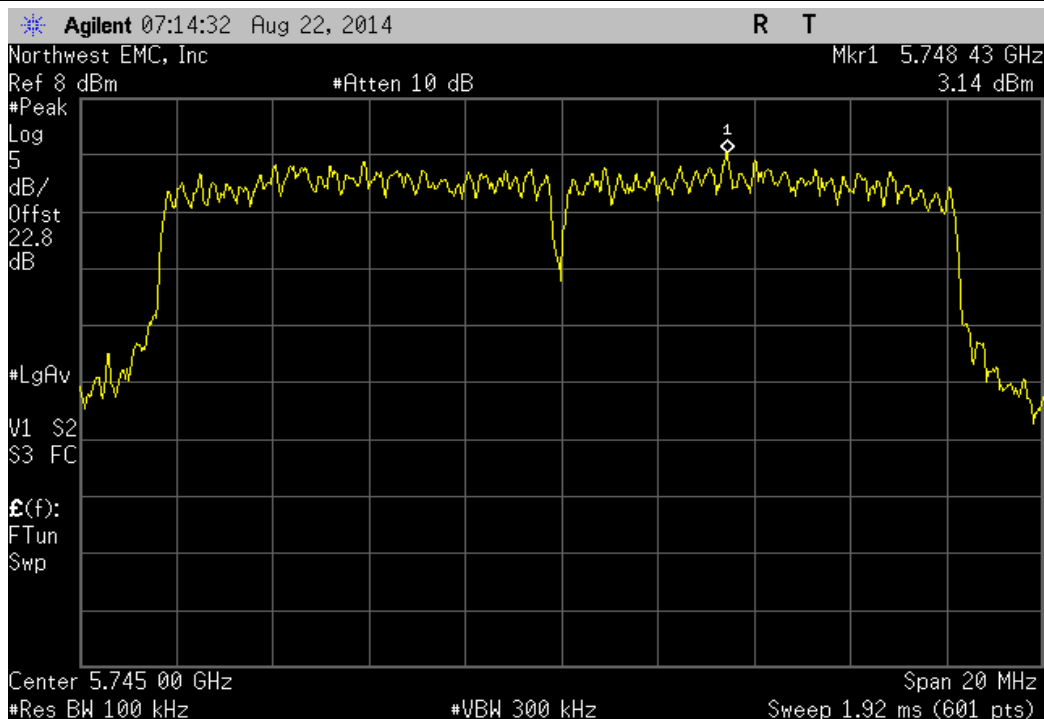
Port 1, 802.11(a) 6 Mbps, Mid Channel 157, 5785 MHz					
	Value	dBm/100kHz	Value	Limit	Results
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	
	2.127	-15.2	-13.073	8	Pass



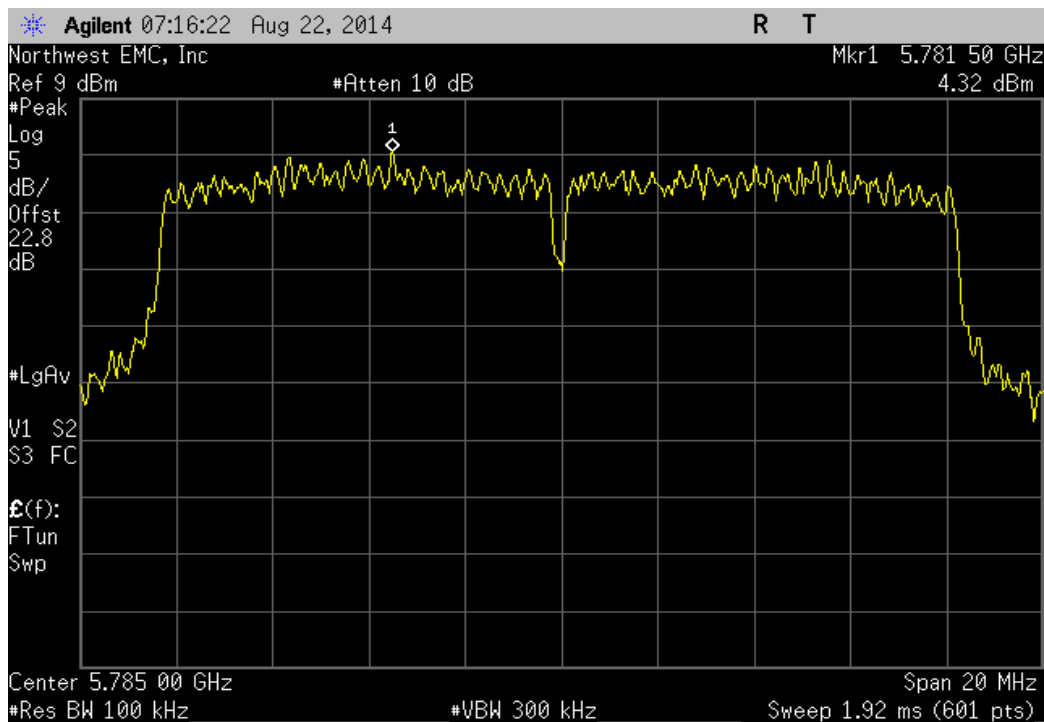
Port 1, 802.11(a) 6 Mbps, High Channel 165, 5825 MHz					
	Value	dBm/100kHz	Value	Limit	Results
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	
	2.298	-15.2	-12.902	8	Pass



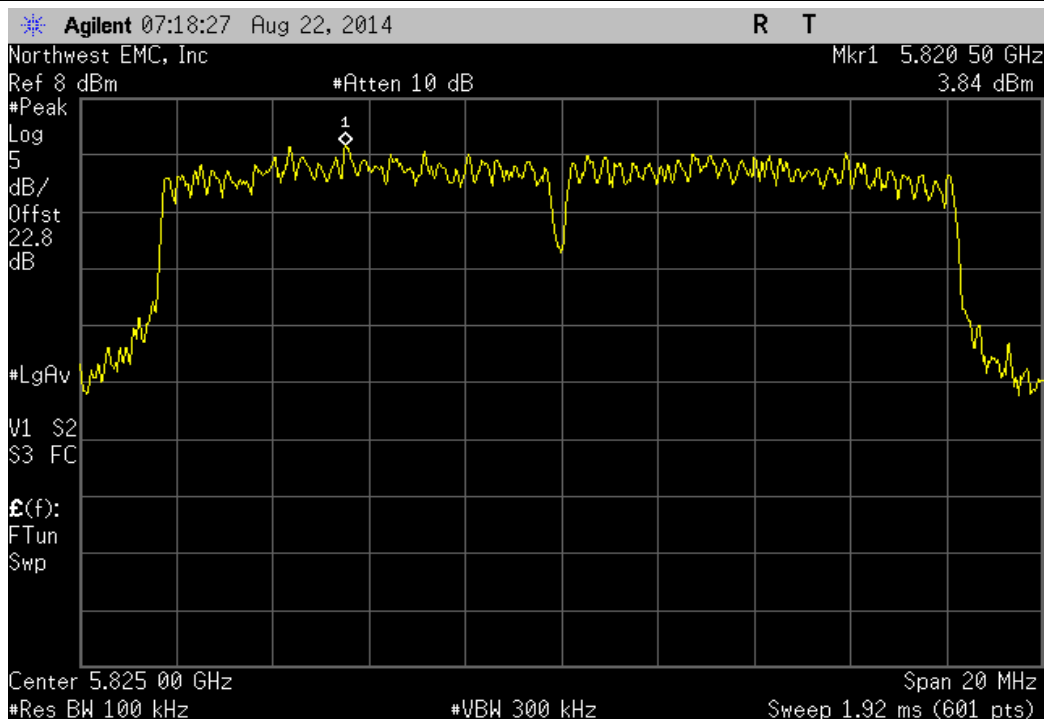
Port 1, 802.11(a) 36 Mbps, Low Channel 149, 5745 MHz					
	Value	dBm/100kHz	Value	Limit	Results
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	
	3.144	-15.2	-12.056	8	Pass



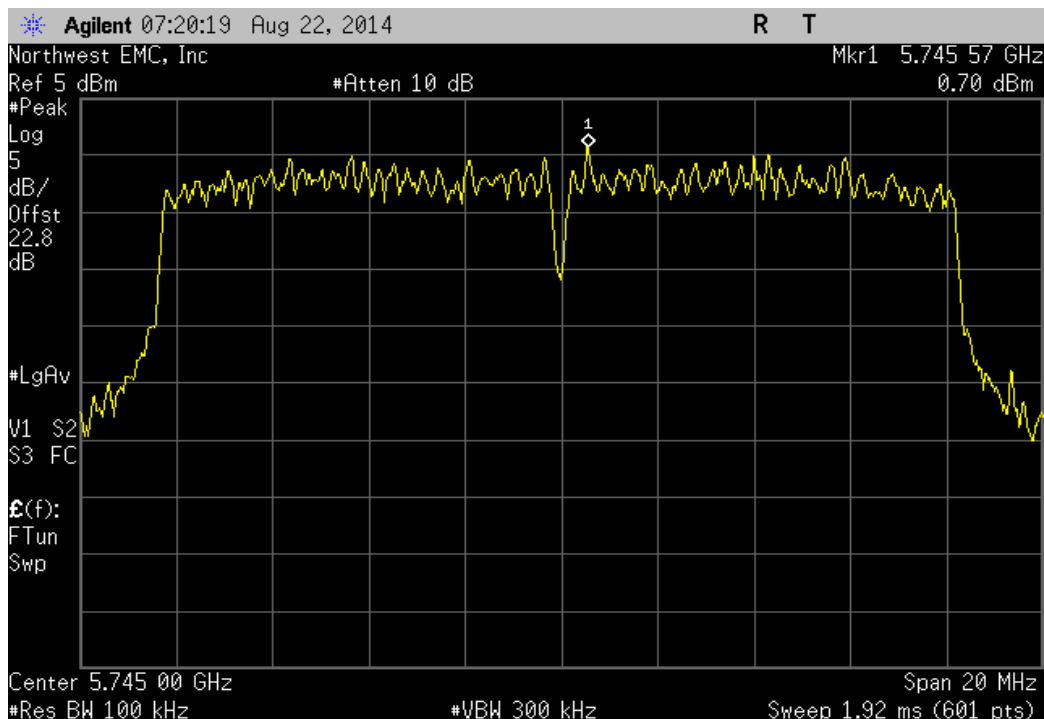
Port 1, 802.11(a) 36 Mbps, Mid Channel 157, 5785 MHz					
	Value	dBm/100kHz	Value	Limit	Results
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	
	4.323	-15.2	-10.877	8	Pass



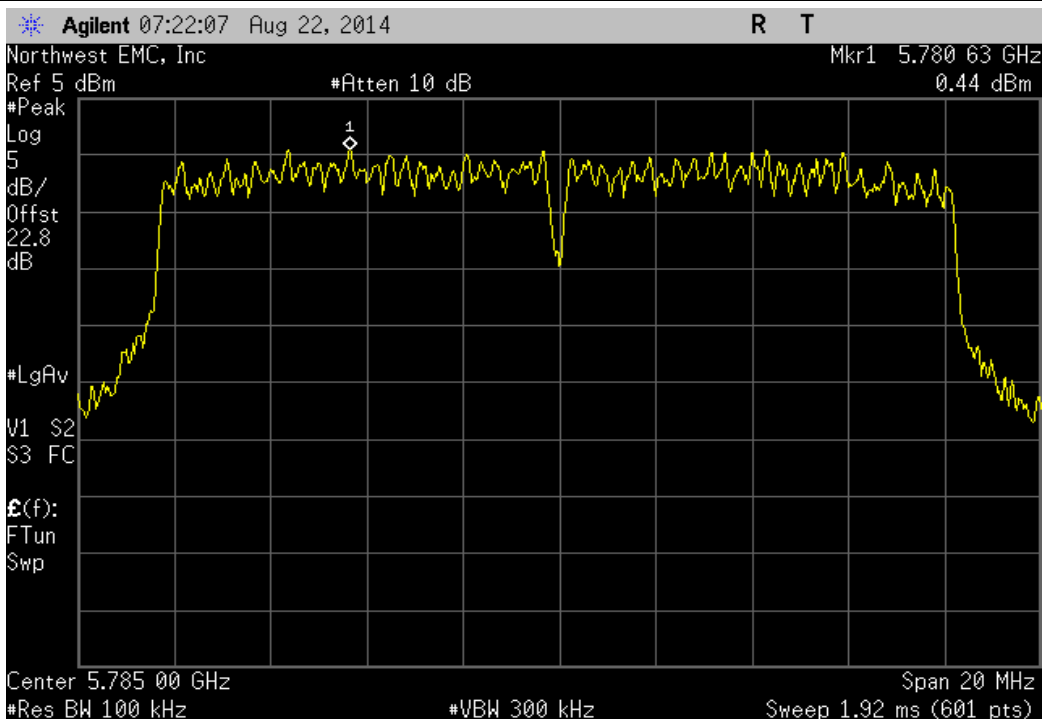
Port 1, 802.11(a) 36 Mbps, High Channel 165, 5825 MHz					
	Value	dBm/100kHz	Value	Limit	Results
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	
	3.837	-15.2	-11.363	8	Pass



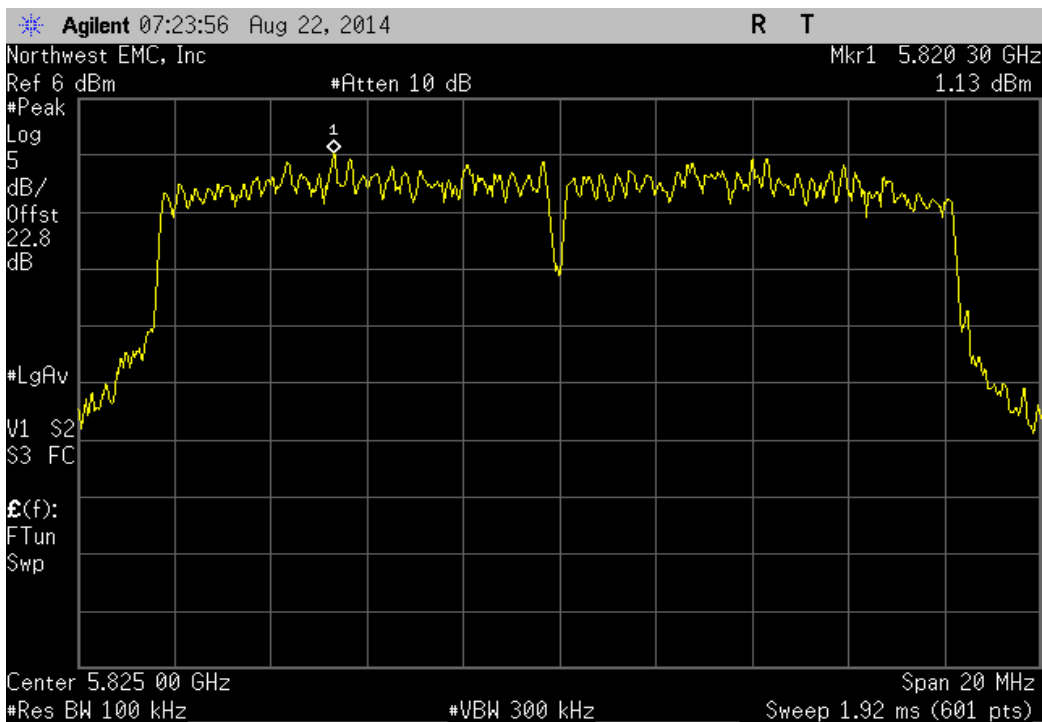
Port 1, 802.11(a) 54 Mbps, Low Channel 149, 5745 MHz					
	Value	dBm/100kHz	Value	Limit	Results
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	
	0.7	-15.2	-14.5	8	Pass



Port 1, 802.11(a) 54 Mbps, Mid Channel 157, 5785 MHz					
	Value	dBm/100kHz	Value	Limit	Results
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	
	0.436	-15.2	-14.764	8	Pass

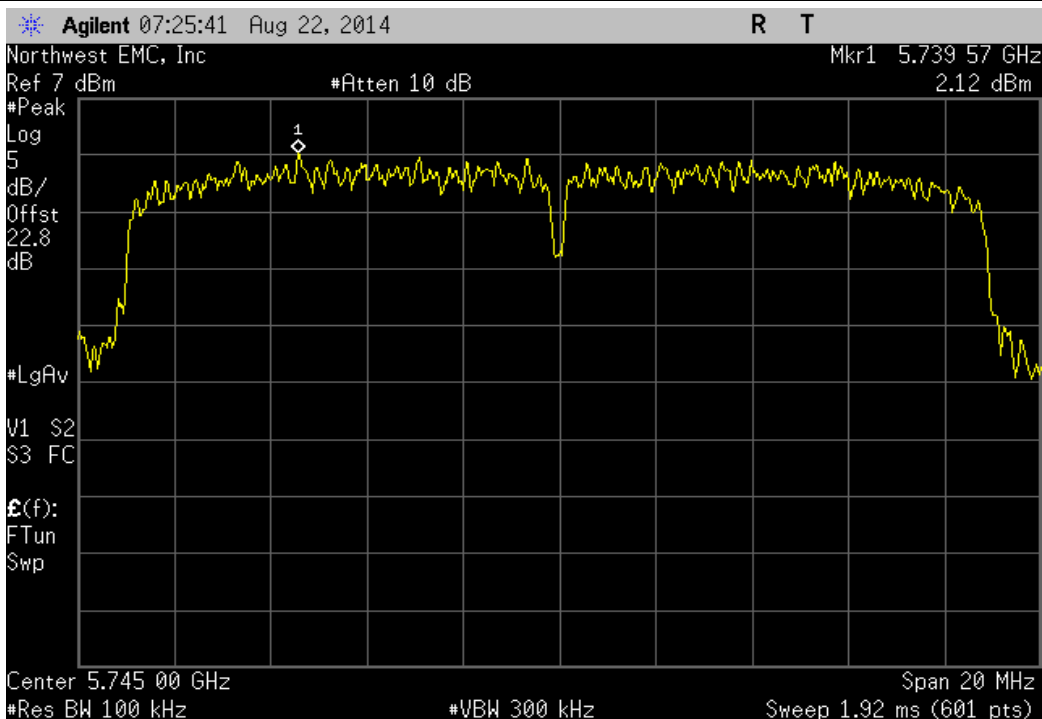


Port 1, 802.11(a) 54 Mbps, High Channel 165, 5825 MHz					
	Value	dBm/100kHz	Value	Limit	Results
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	
	1.128	-15.2	-14.072	8	Pass



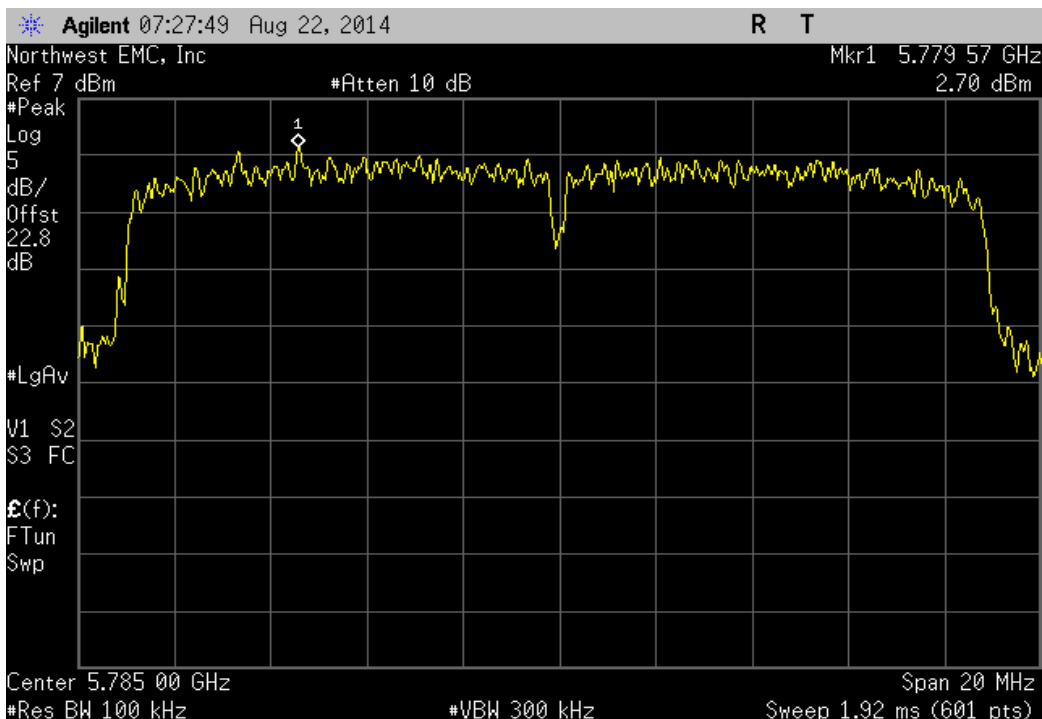
Port 1, 802.11(n) MCS0 - UNII, Low Channel 149, 5745 MHz

	Value	dBm/100kHz	Value	Limit	Results
		To dBm/3kHz	dBm/3kHz		
	2.122	-15.2	-13.078	8	Pass



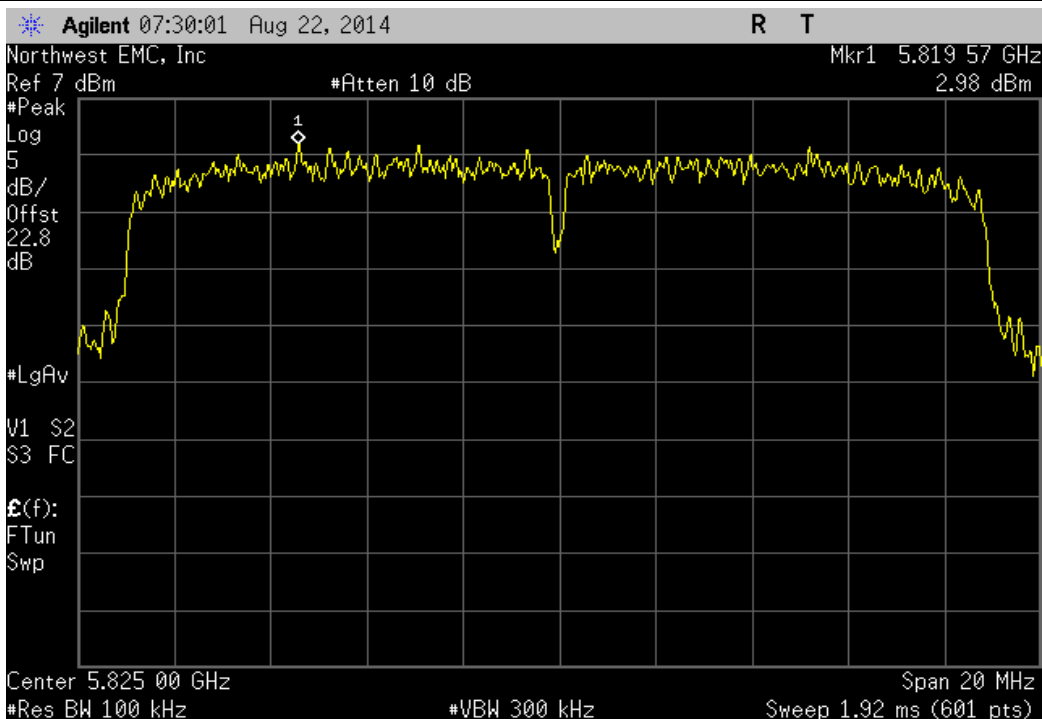
Port 1, 802.11(n) MCS0 - UNII, Mid Channel 157, 5785 MHz

	Value	dBm/100kHz	Value	Limit	Results
		To dBm/3kHz	dBm/3kHz		
	2.698	-15.2	-12.502	8	Pass



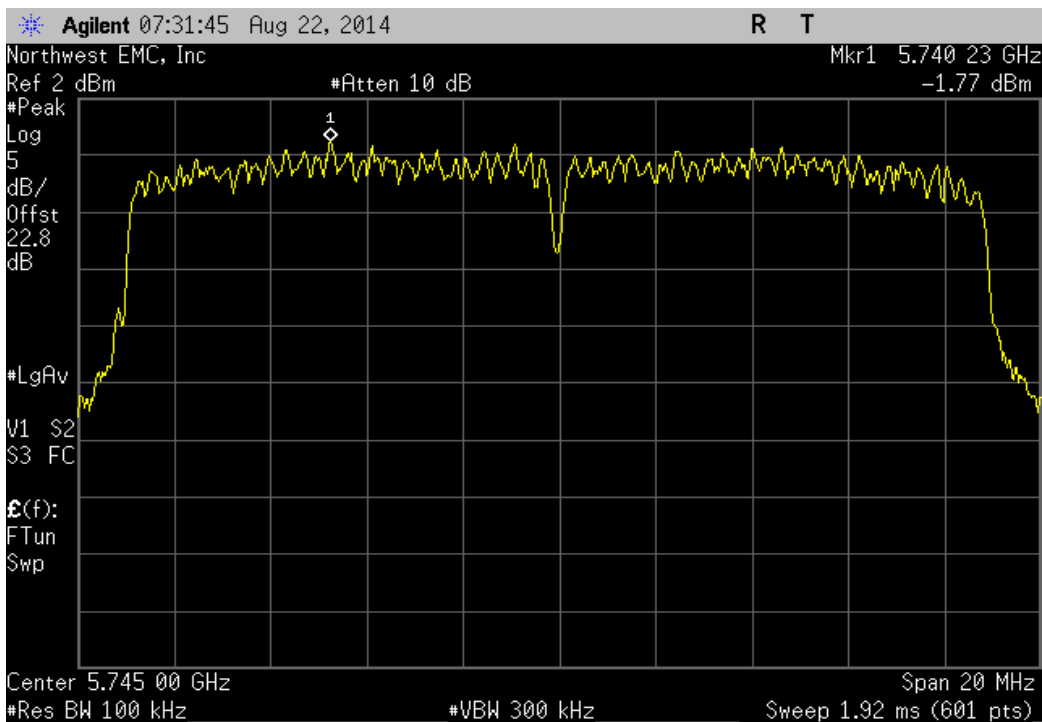
Port 1, 802.11(n) MCS0 - UNII, High Channel 165, 5825 MHz

	Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Results
	2.98	-15.2	-12.22	8	Pass

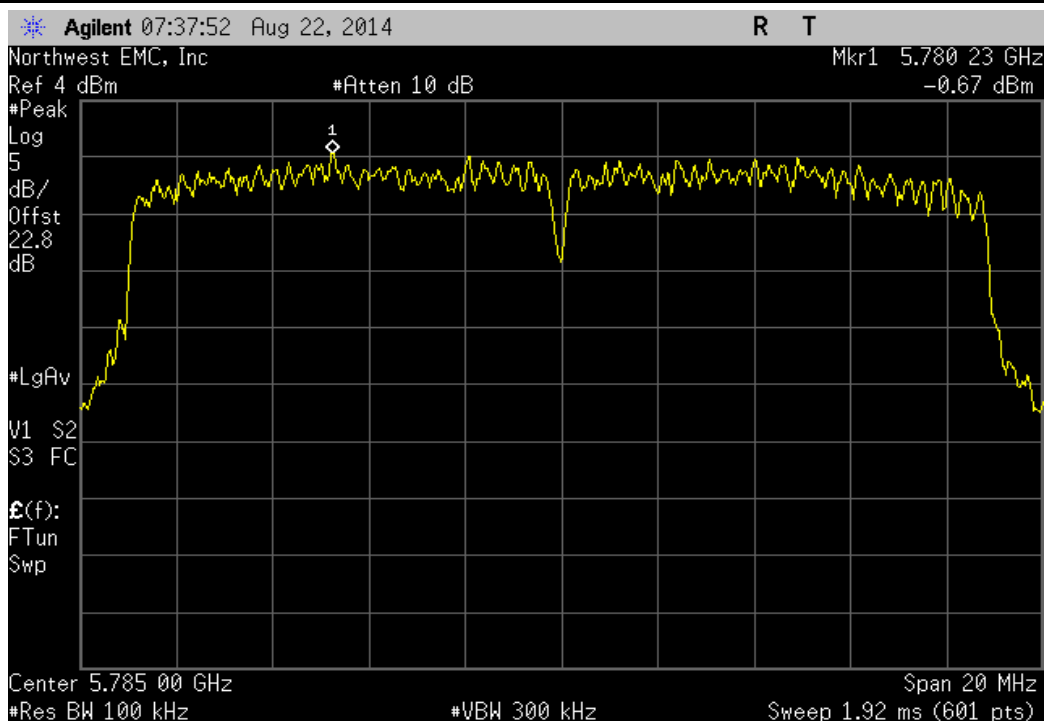


Port 1, 802.11(n) MCS7 - UNII, Low Channel 149, 5745 MHz

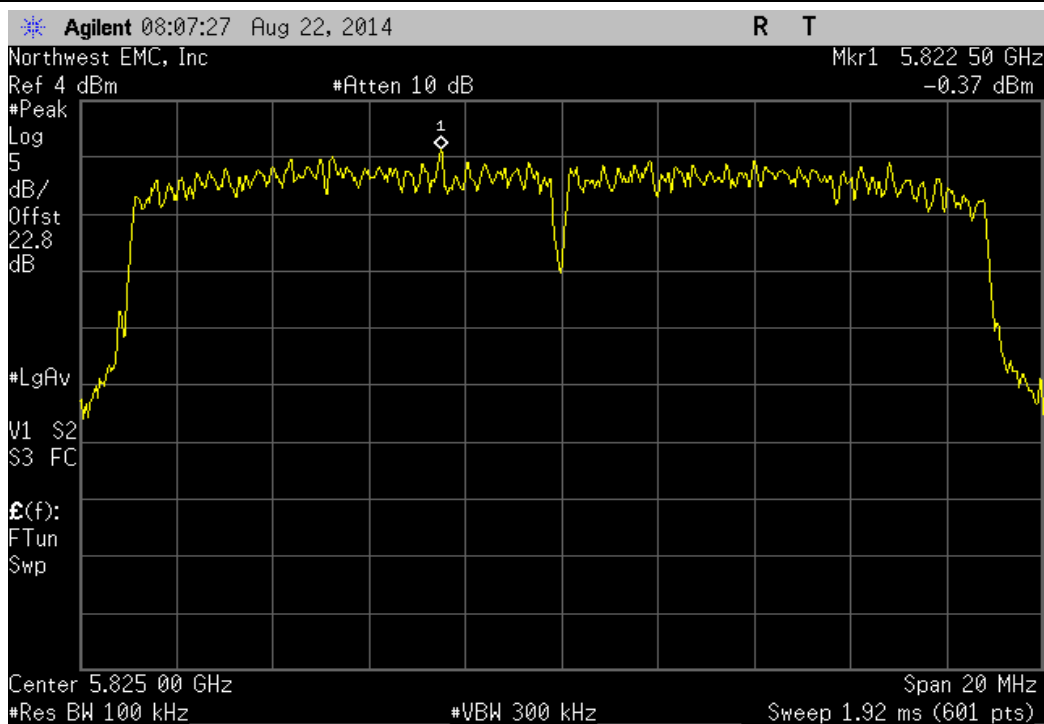
Value		dBm/100kHz		Value		Limit		Results	
		dBm/100kHz		To dBm/3kHz		dBm/3kHz			
		-1.771		-15.2		-16.971		8	Pass



Port 1, 802.11(n) MCS7 - UNII, Mid Channel 157, 5785 MHz						
Value		dBm/100kHz	Value		Limit	Results
		To dBm/3kHz	dBm/3kHz		dBm/3kHz	
	-0.667	-15.2	-15.867		8	Pass



Port 1, 802.11(n) MCS7 - UNII, High Channel 165, 5825 MHz						
Value		dBm/100kHz	Value		Limit	Results
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	dBm/3kHz	
	-0.365	-15.2	-15.565	8	Pass	





DUTY CYCLE

TEST DESCRIPTION

The Duty Cycle (x) were measured for each of the EUT operating modes. The measurements were made using a zero span on the spectrum analyzer to see the pulses in the time domain. The transmit power was set to its default maximum. A direct connection was made between the RF output of the EUT and a spectrum analyzer. Attenuation and a DC block were used

The duty cycle was calculated by dividing the transmission pulse duration (T) by the total period of a single on and total off time.

The EUT operates at 100% Duty Cycle.