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

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

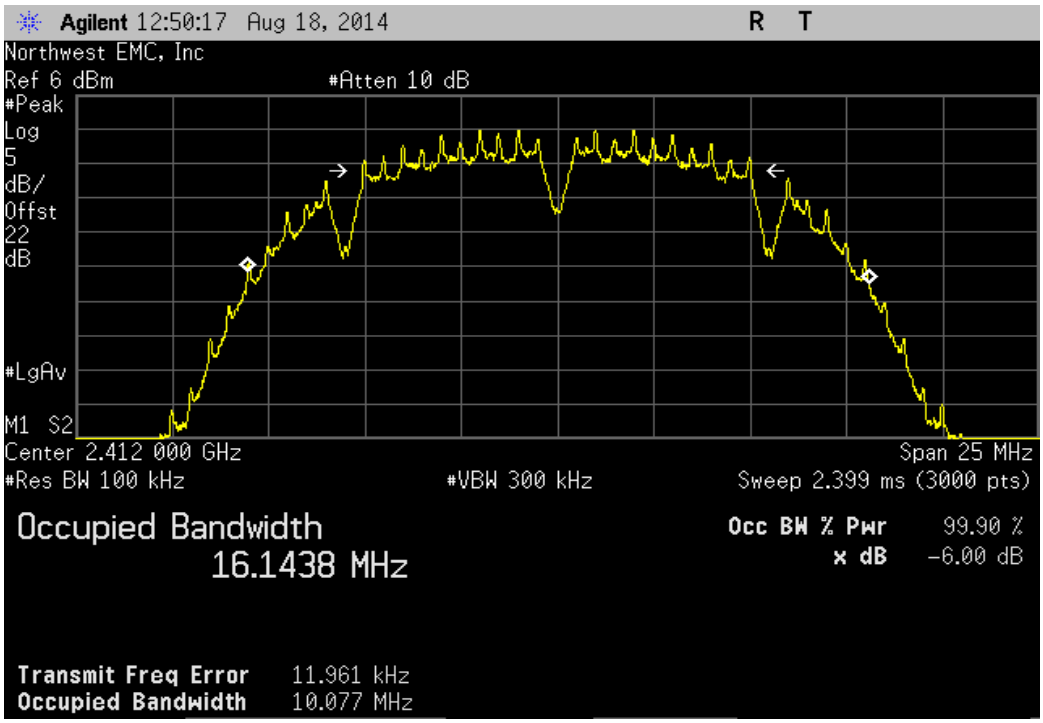
None

Configuration #	1	Signature	Trevor Buls

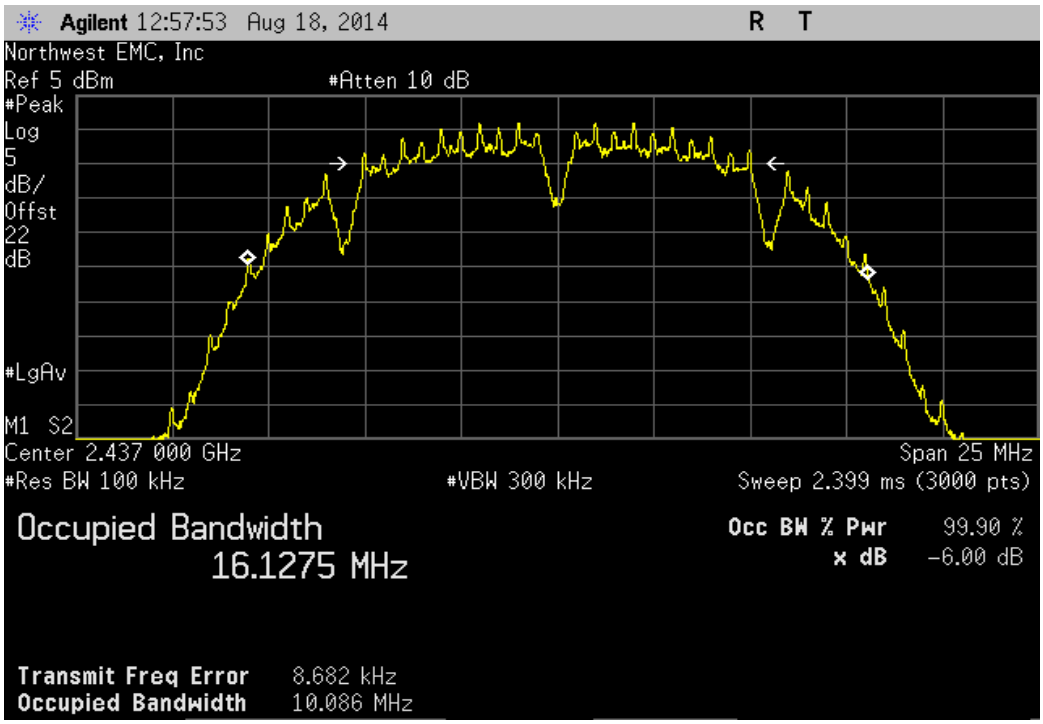
		Value	Limit (>)	Result
Port 1				
	802.11(b) 1 Mbps			
	Low Channel 1, 2412 MHz	10.077 MHz	500 kHz	Pass
	Mid Channel 6, 2437 MHz	10.086 MHz	500 kHz	Pass
	High Channel 11, 2462 MHz	10.088 MHz	500 kHz	Pass
	802.11(b) 11 Mbps			
	Low Channel 1, 2412 MHz	10.766 MHz	500 kHz	Pass
	Mid Channel 6, 2437 MHz	10.235 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

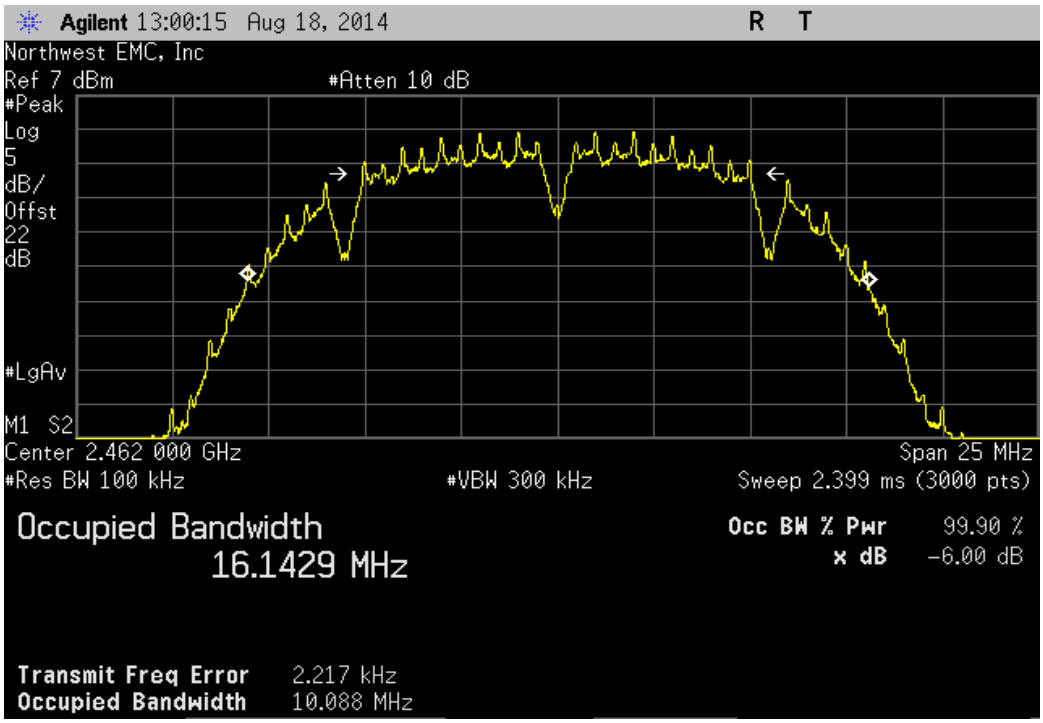
Port 1, 802.11(b) 1 Mbps, Low Channel 1, 2412 MHz						
				Value	Limit (>)	Result
				10.077 MHz	500 kHz	Pass



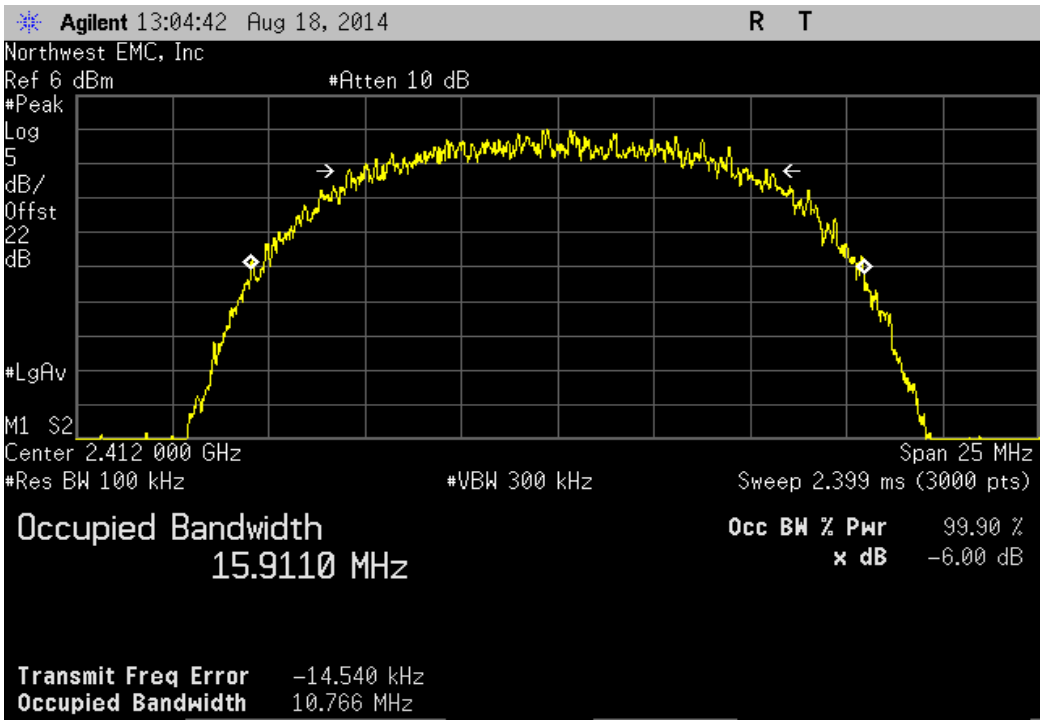
Port 1, 802.11(b) 1 Mbps, Mid Channel 6, 2437 MHz						
				Value	Limit (>)	Result
				10.086 MHz	500 kHz	Pass



Port 1, 802.11(b) 1 Mbps, High Channel 11, 2462 MHz						
				Value	Limit (>)	Result
				10.088 MHz	500 kHz	Pass

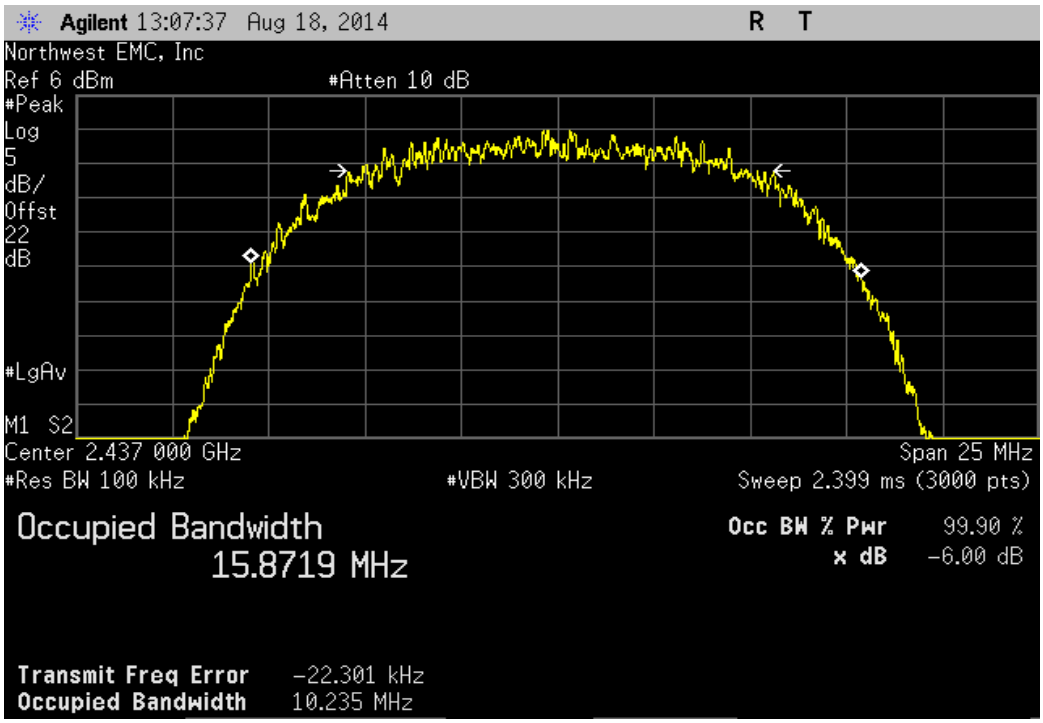


Port 1, 802.11(b) 11 Mbps, Low Channel 1, 2412 MHz						
				Value	Limit (>)	Result
				10.766 MHz	500 kHz	Pass



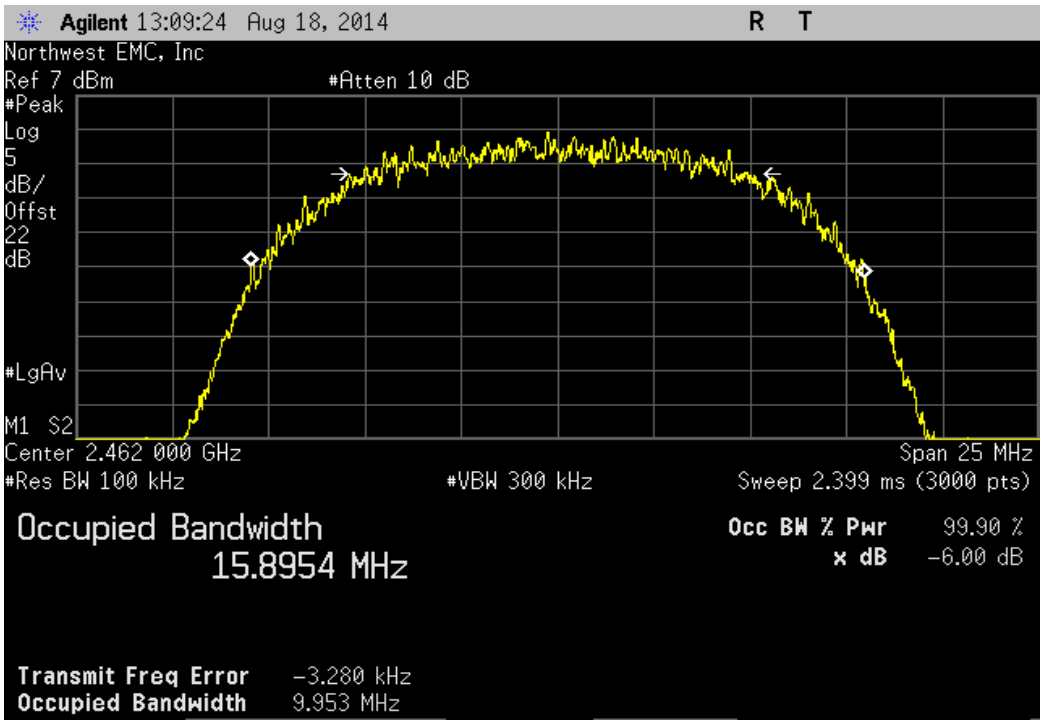
Port 1, 802.11(b) 11 Mbps, Mid Channel 6, 2437 MHz

				Value	Limit (>)	Result
				10.235 MHz	500 kHz	Pass



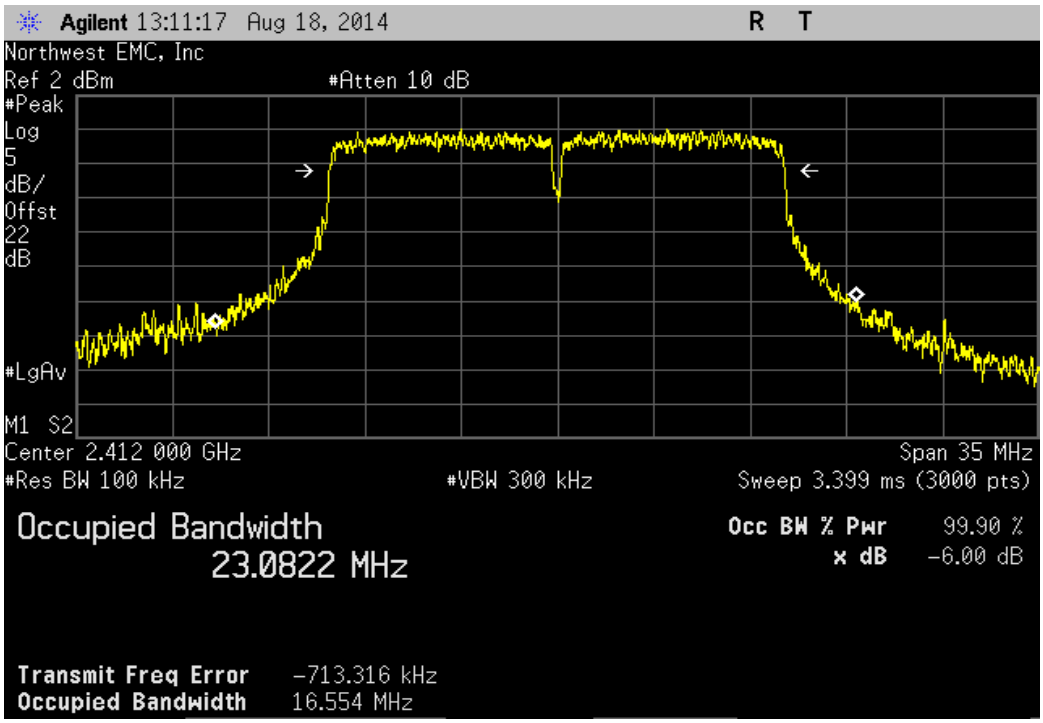
Port 1, 802.11(b) 11 Mbps, High Channel 11, 2462 MHz

				Value	Limit (>)	Result
				9.953 MHz	500 kHz	Pass



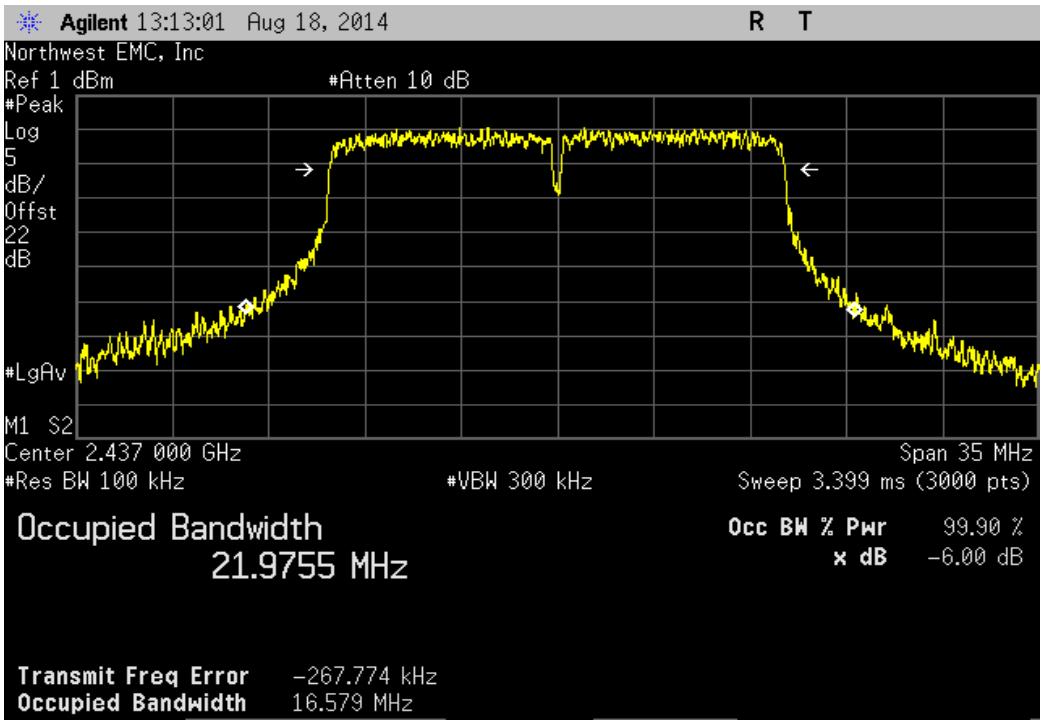
Port 1, 802.11(g) 6 Mbps, Low Channel 1, 2412 MHz

				Value	Limit (>)	Result
				16.554 MHz	500 kHz	Pass



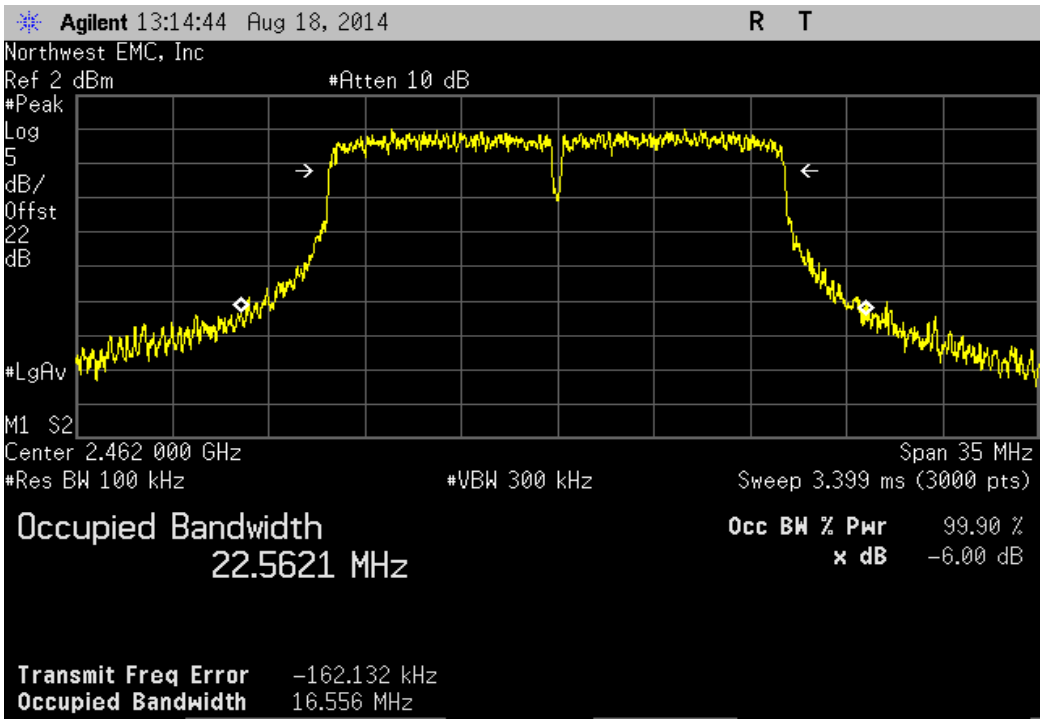
Port 1, 802.11(g) 6 Mbps, Mid Channel 6, 2437 MHz

				Value	Limit (>)	Result
				16.579 MHz	500 kHz	Pass



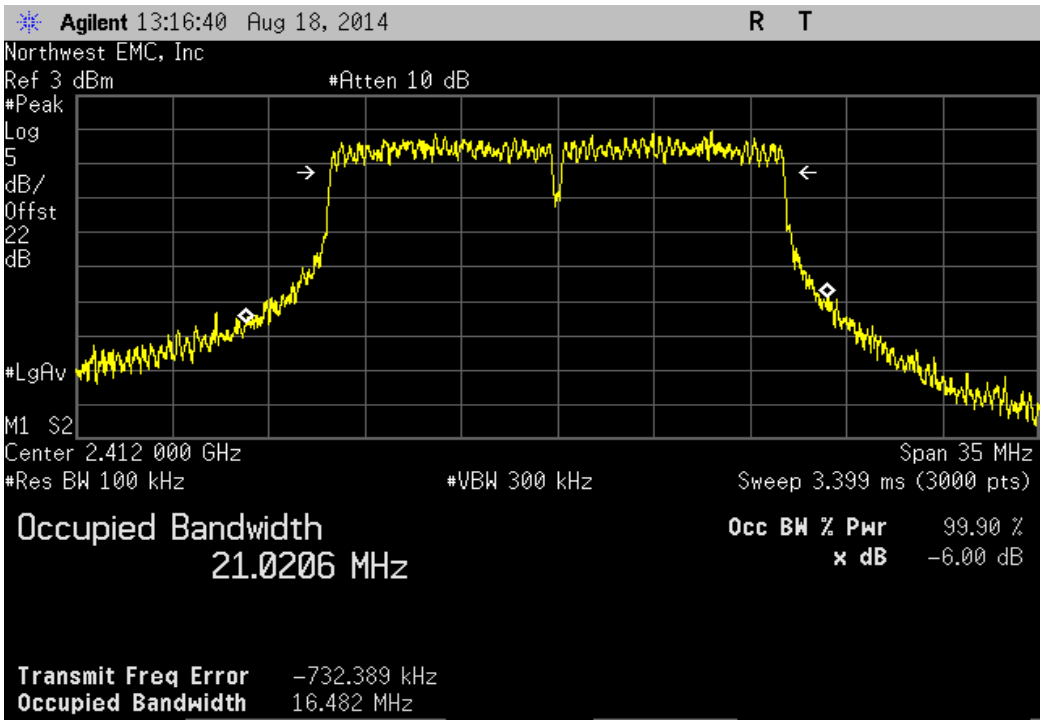
Port 1, 802.11(g) 6 Mbps, High Channel 11, 2462 MHz

				Value	Limit (>)	Result
				16.556 MHz	500 kHz	Pass



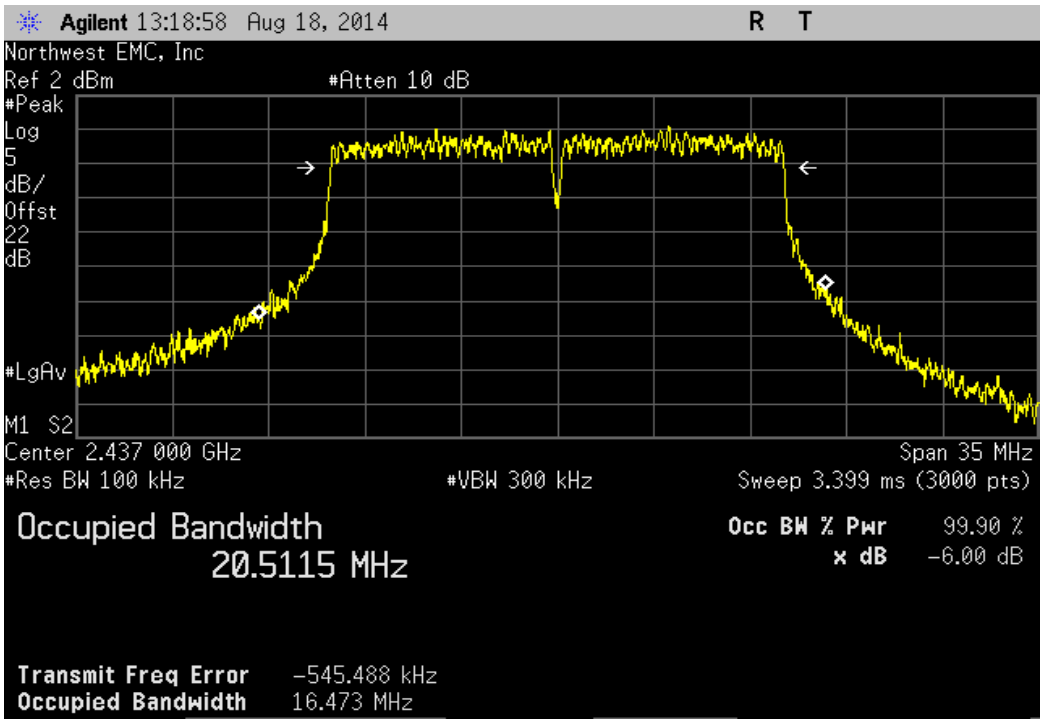
Port 1, 802.11(g) 36 Mbps, Low Channel 1, 2412 MHz

				Value	Limit (>)	Result
				16.482 MHz	500 kHz	Pass



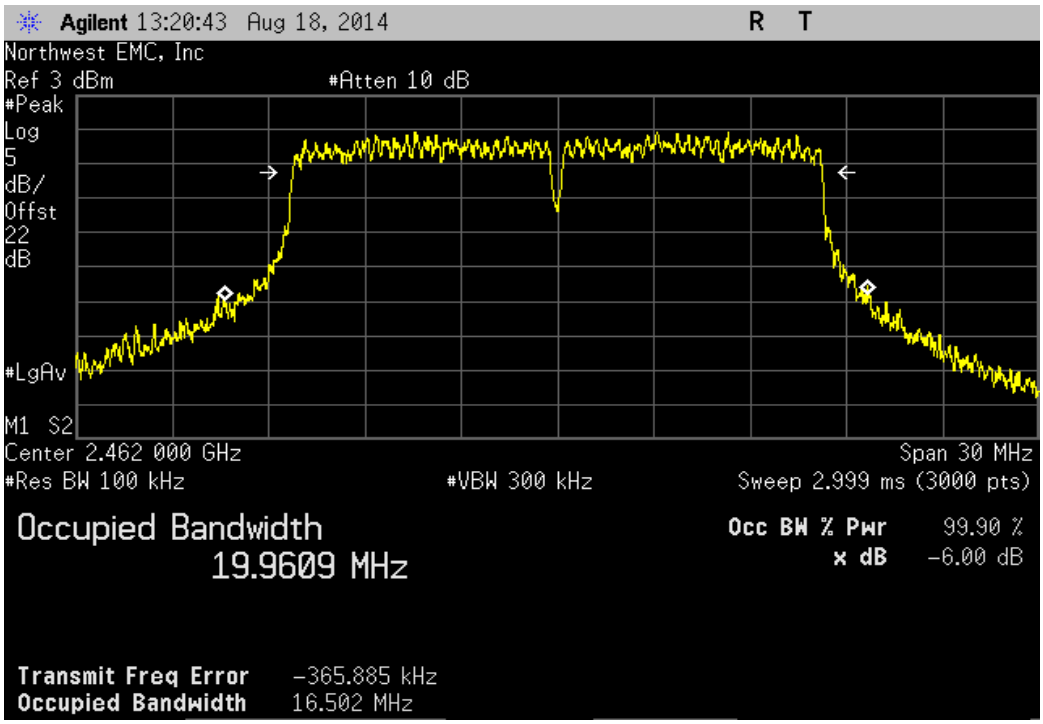
Port 1, 802.11(g) 36 Mbps, Mid Channel 6, 2437 MHz

				Value	Limit (>)	Result
				16.473 MHz	500 kHz	Pass



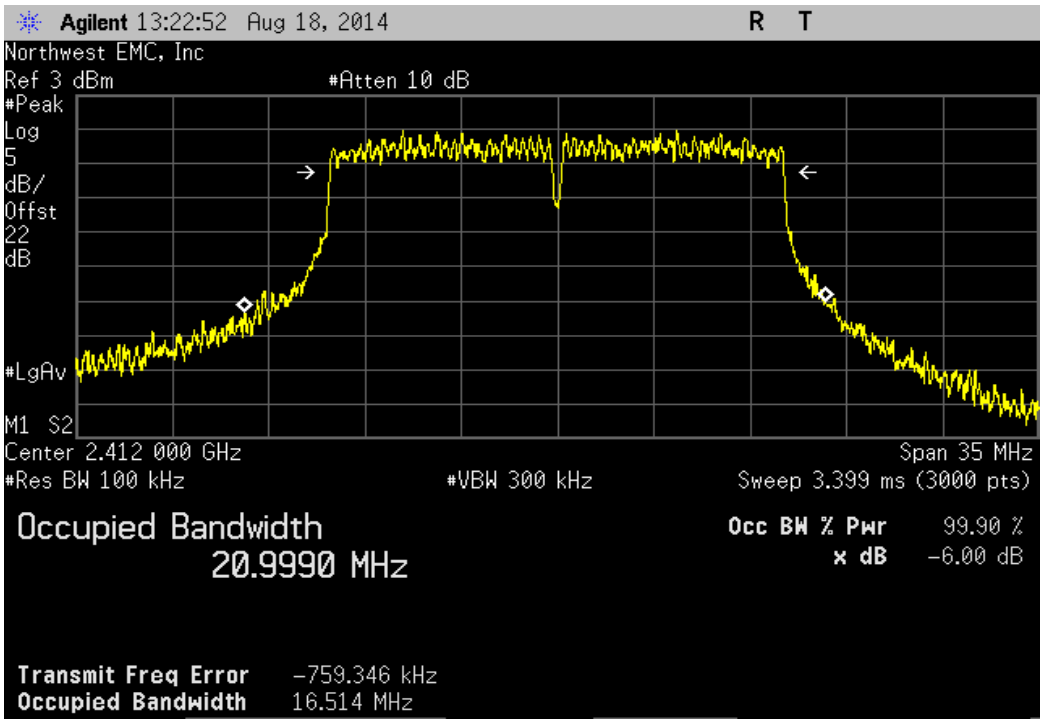
Port 1, 802.11(g) 36 Mbps, High Channel 11, 2462 MHz

				Value	Limit (>)	Result
				16.502 MHz	500 kHz	Pass



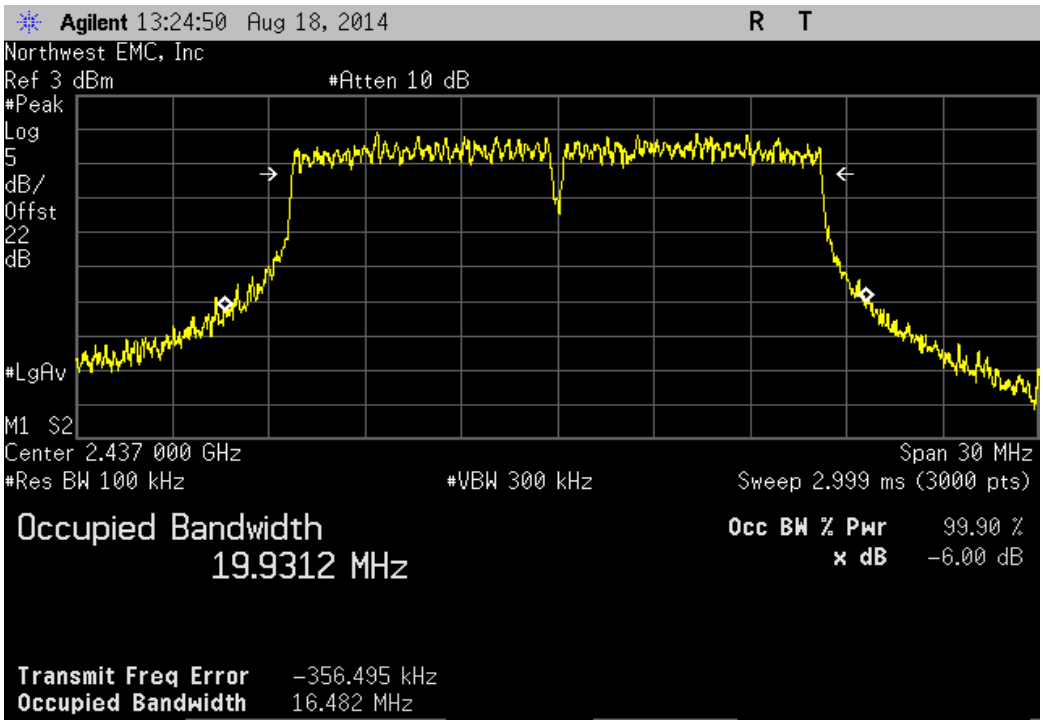
Port 1, 802.11(g) 54 Mbps, Low Channel 1, 2412 MHz

				Value	Limit (>)	Result
				16.514 MHz	500 kHz	Pass

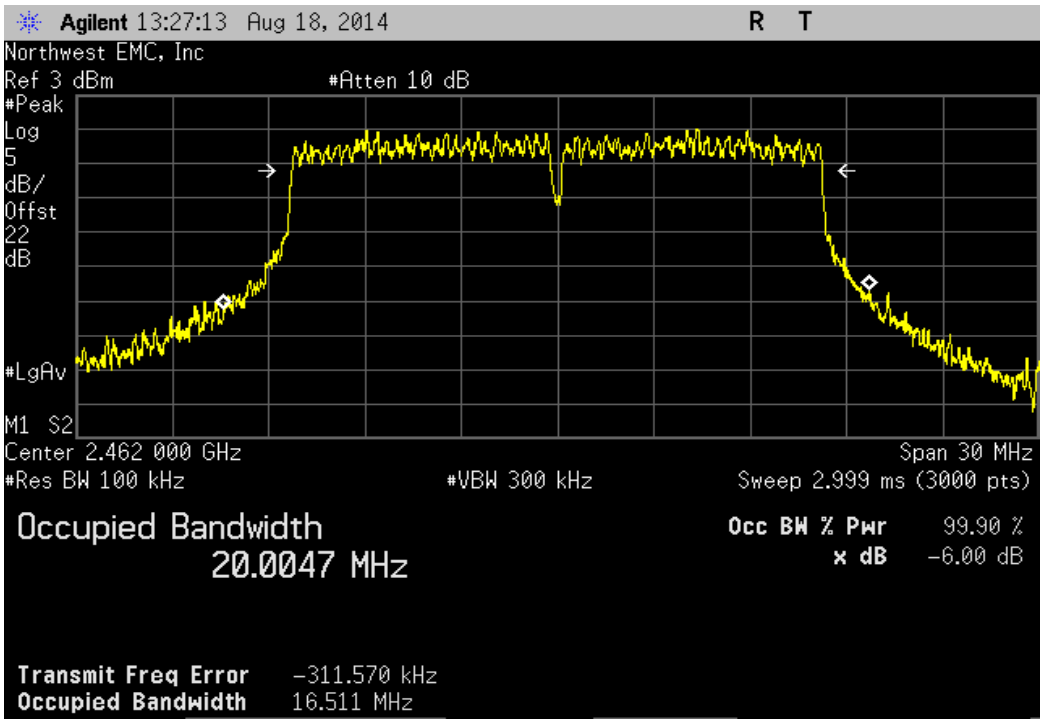


Port 1, 802.11(g) 54 Mbps, Mid Channel 6, 2437 MHz

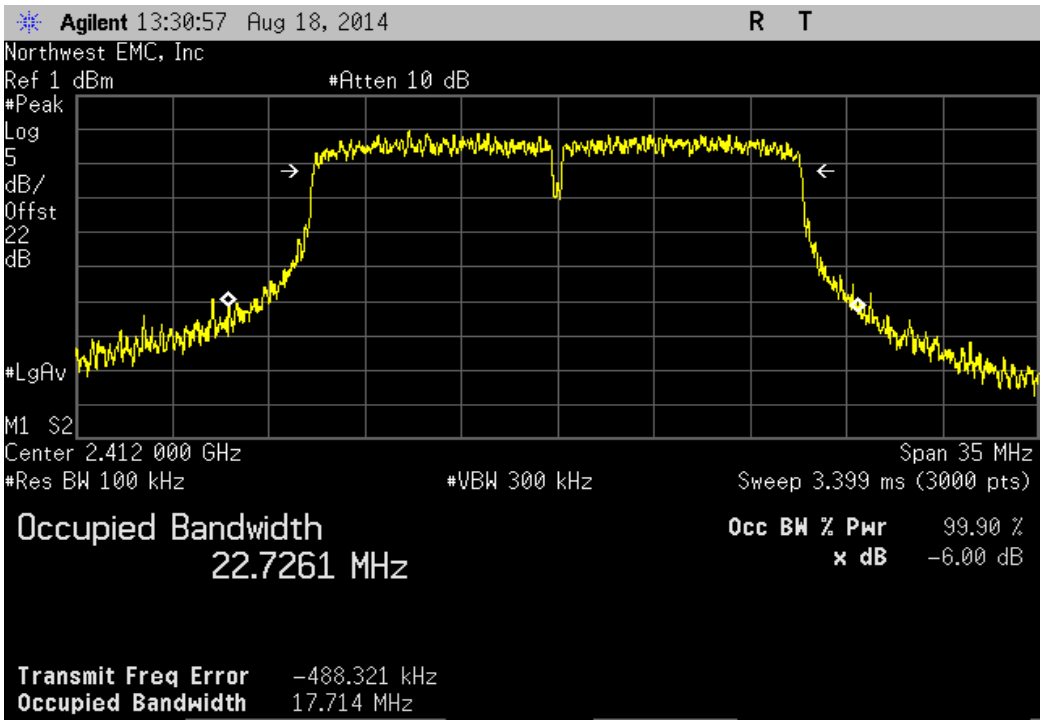
				Value	Limit (>)	Result
				16.482 MHz	500 kHz	Pass



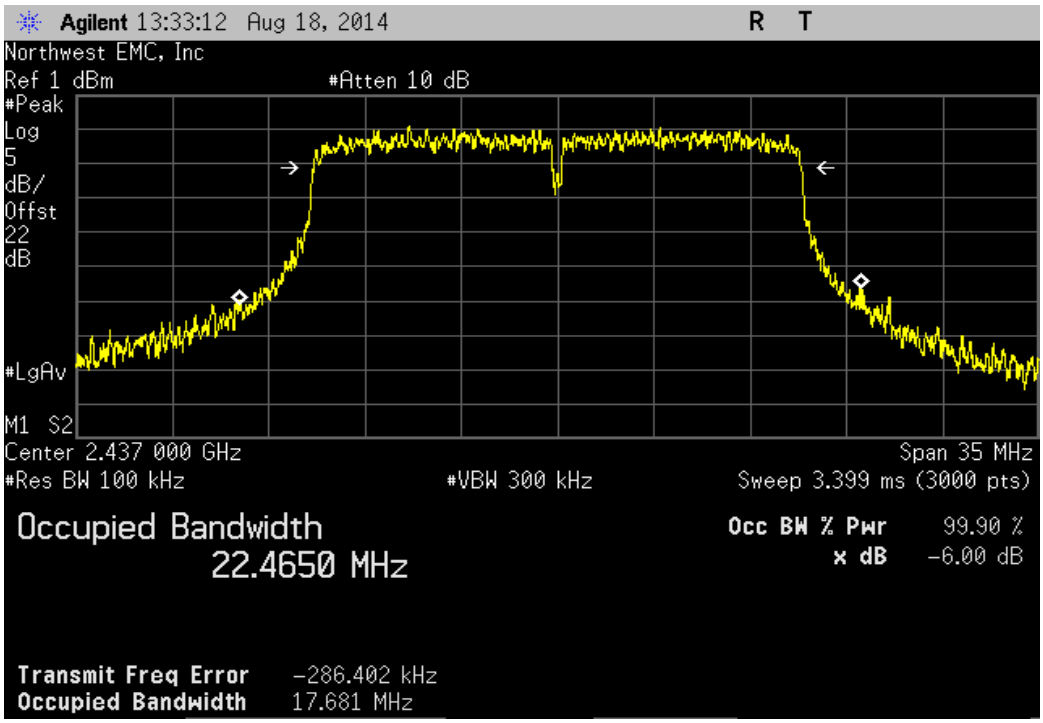
Port 1, 802.11(g) 54 Mbps, High Channel 11, 2462 MHz						
				Value	Limit (>)	Result
				16.511 MHz	500 kHz	Pass



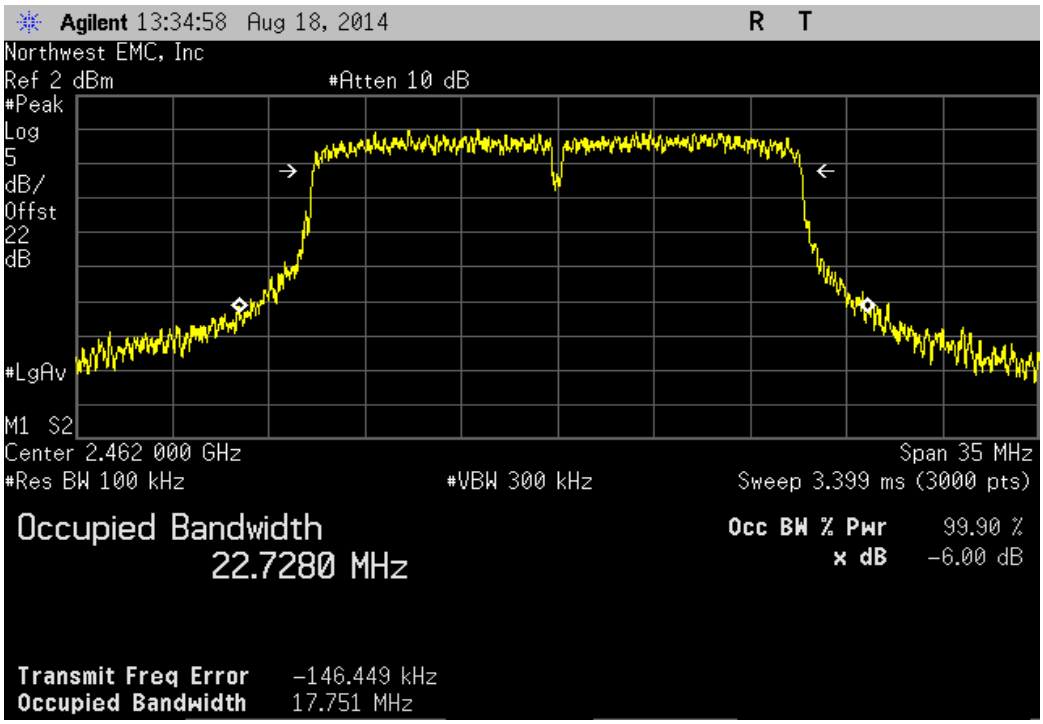
Port 1, 802.11(n) MCS0, Low Channel 1, 2412 MHz						
				Value	Limit (>)	Result
				17.714 MHz	500 kHz	Pass



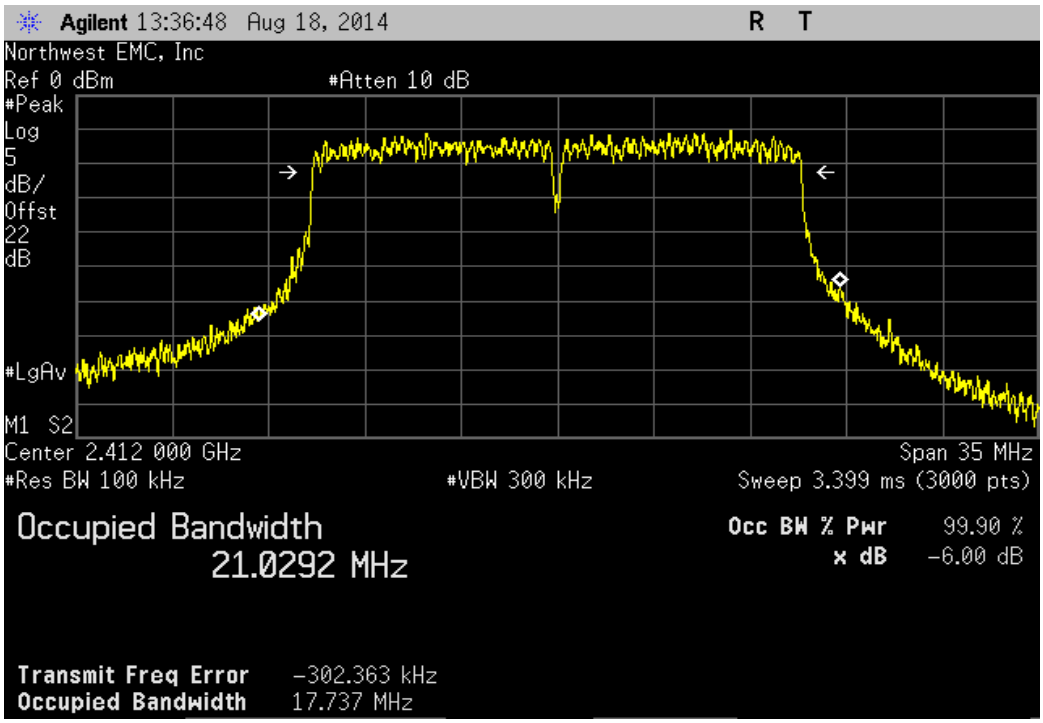
Port 1, 802.11(n) MCS0, Mid Channel 6, 2437 MHz						
				Value	Limit (>)	Result
				17.681 MHz	500 kHz	Pass



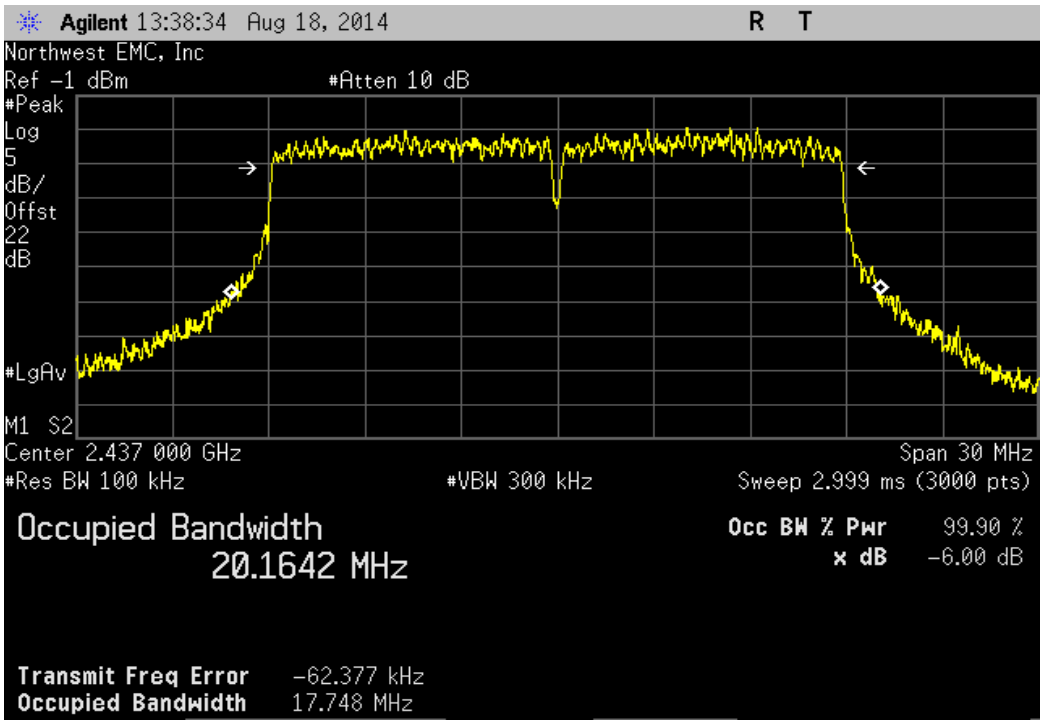
Port 1, 802.11(n) MCS0, High Channel 11, 2462 MHz						
				Value	Limit (>)	Result
				17.751 MHz	500 kHz	Pass



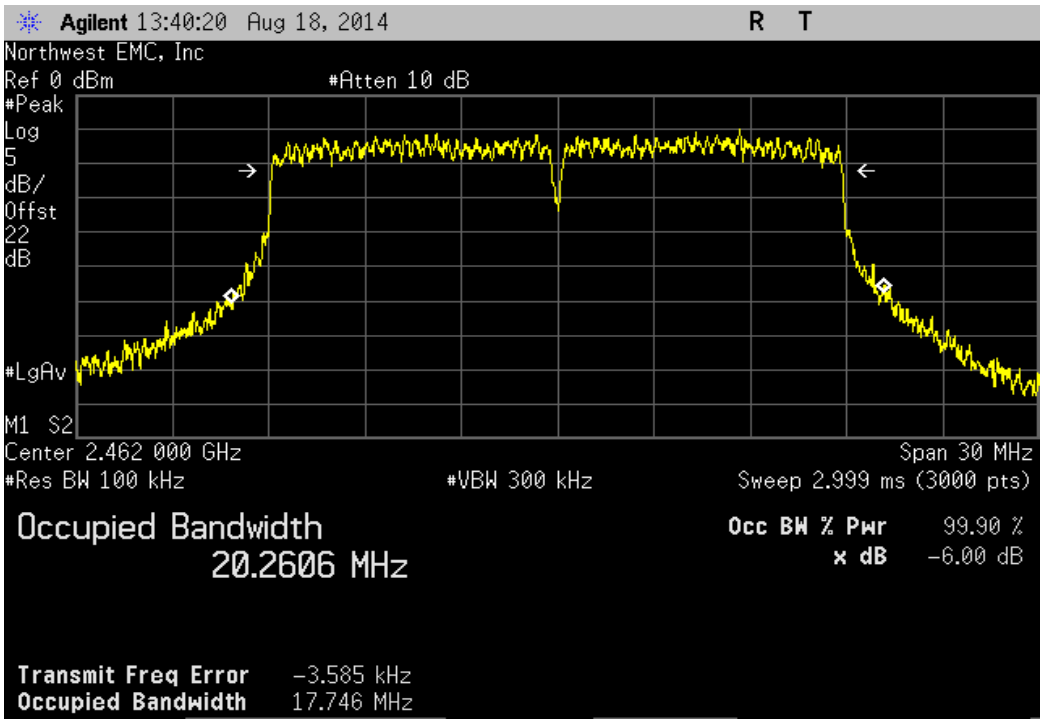
Port 1, 802.11(n) MCS7, Low Channel 1, 2412 MHz						
				Value	Limit (>)	Result
				17.737 MHz	500 kHz	Pass



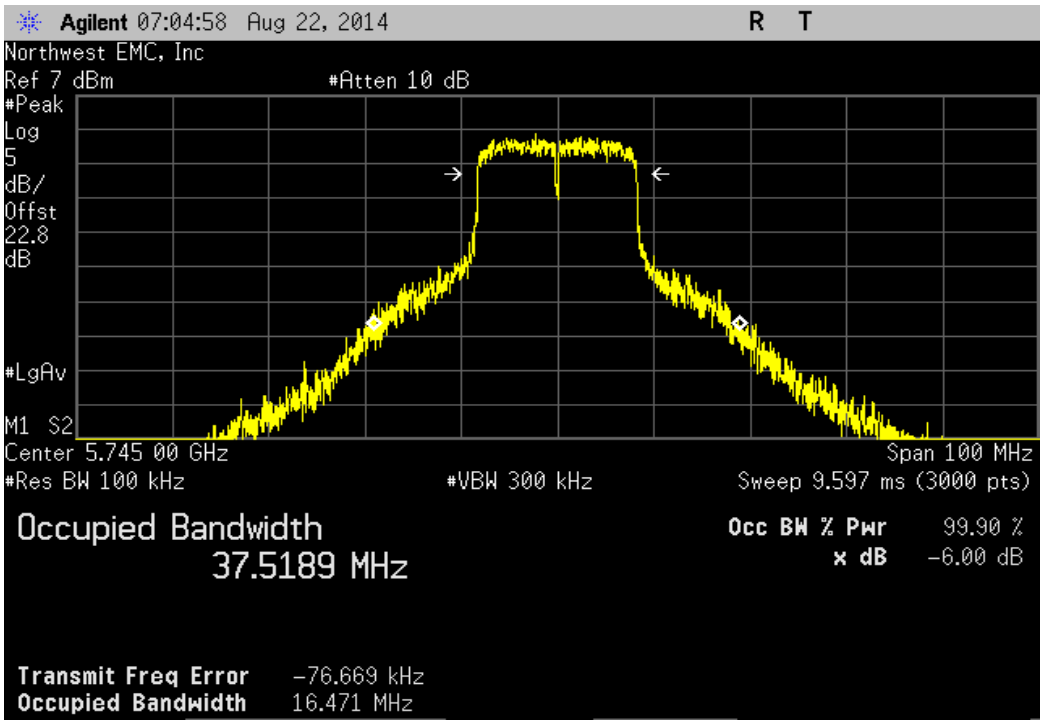
Port 1, 802.11(n) MCS7, Mid Channel 6, 2437 MHz						
				Value	Limit (>)	Result
				17.748 MHz	500 kHz	Pass



Port 1, 802.11(n) MCS7, High Channel 11, 2462 MHz						
				Value	Limit (>)	Result
				17.746 MHz	500 kHz	Pass

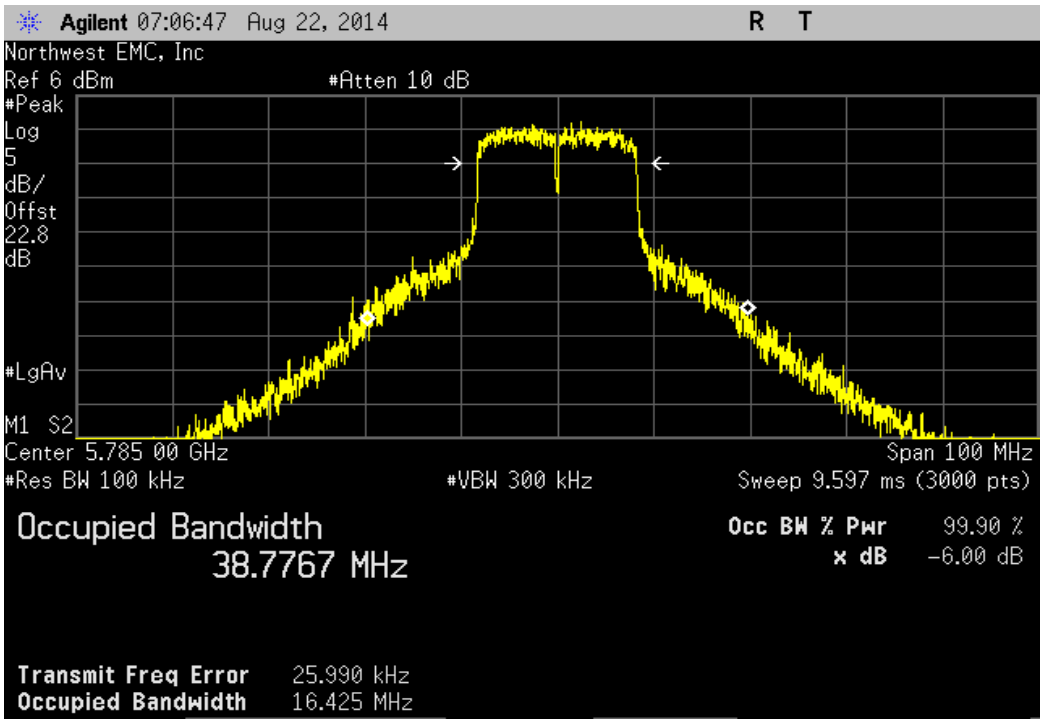


Port 1, 802.11(a) 6 Mbps, Low Channel 149, 5745 MHz						
				Value	Limit (>)	Result
				16.471 MHz	500 kHz	Pass



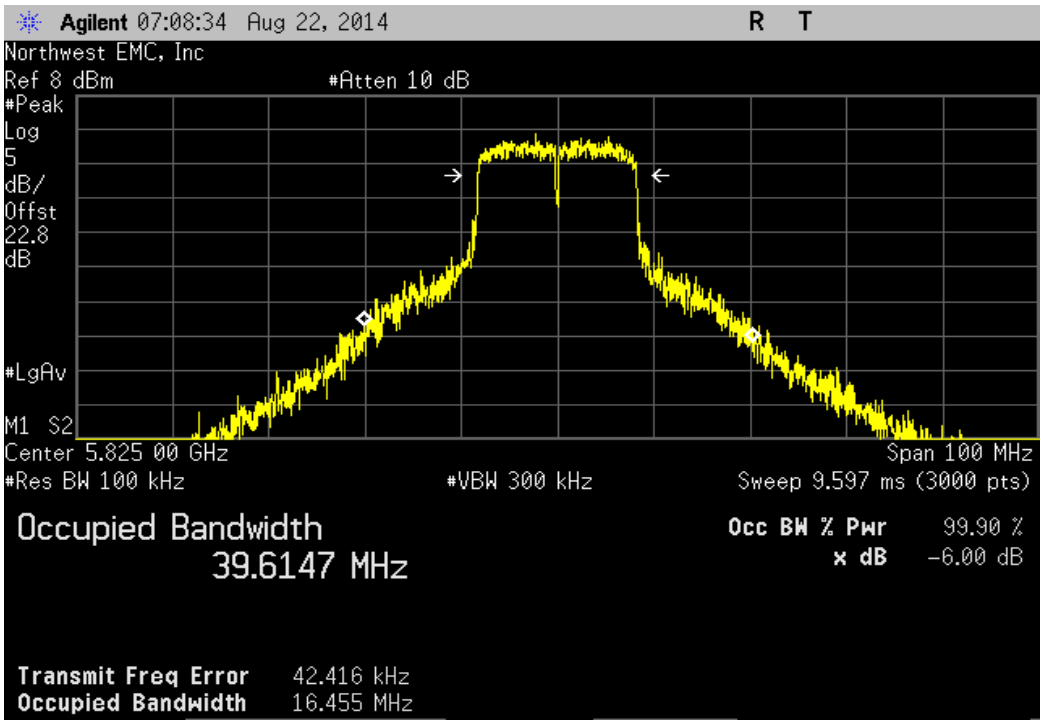
Port 1, 802.11(a) 6 Mbps, Mid Channel 157, 5785 MHz

				Value	Limit (>)	Result
				16.425 MHz	500 kHz	Pass

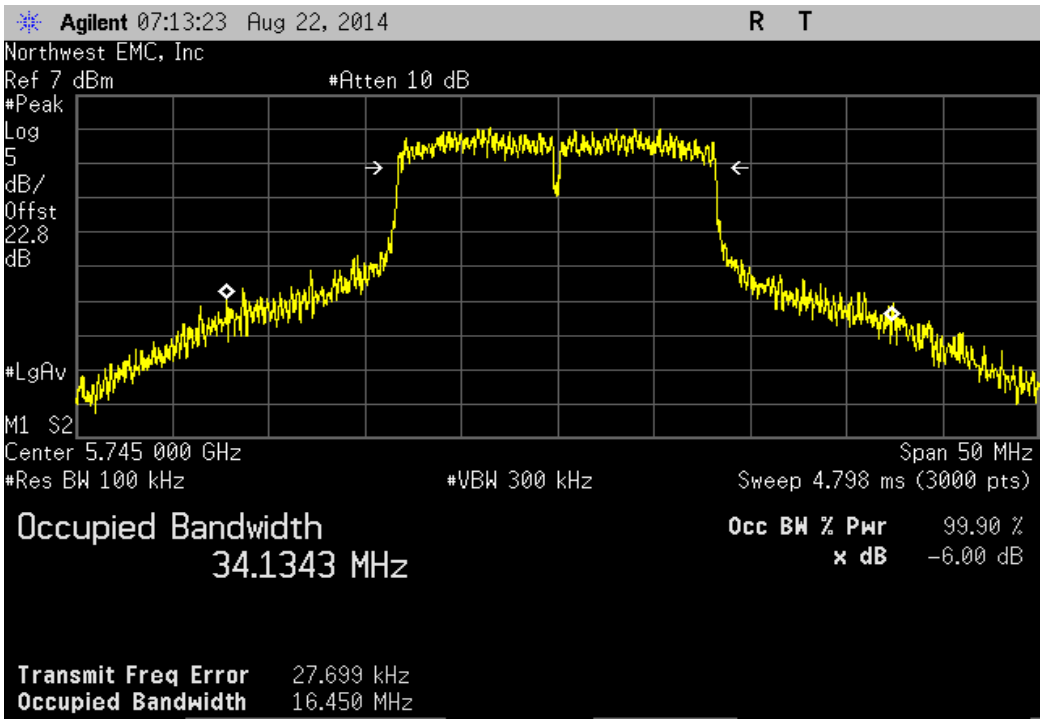


Port 1, 802.11(a) 6 Mbps, High Channel 165, 5825 MHz

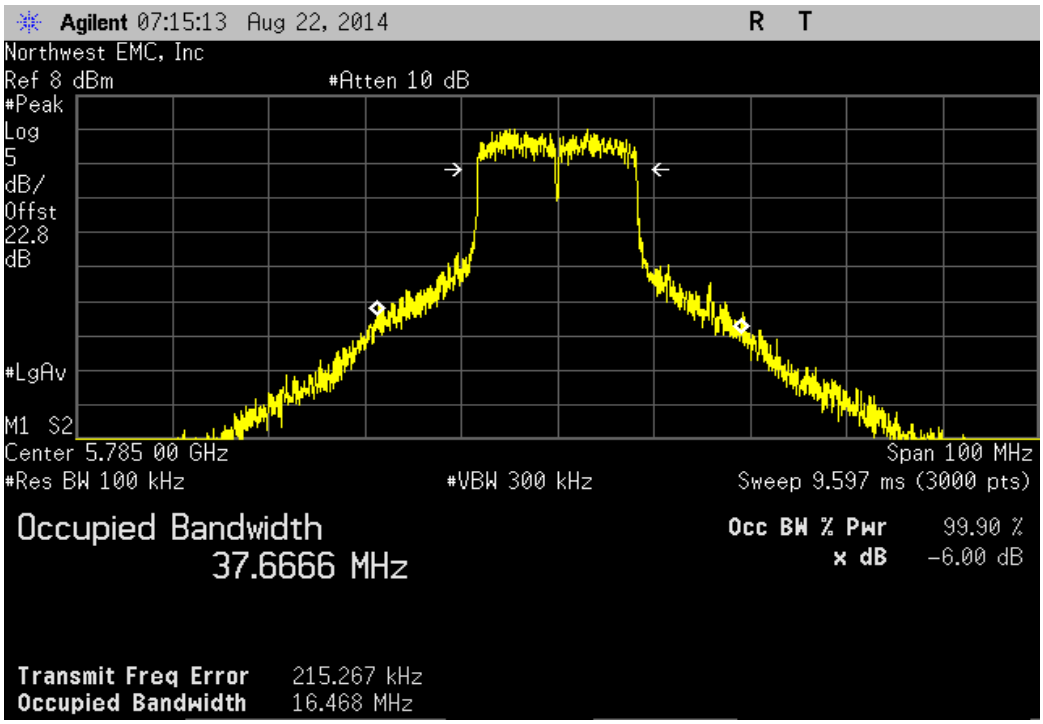
				Value	Limit (>)	Result
				16.455 MHz	500 kHz	Pass



Port 1, 802.11(a) 36 Mbps, Low Channel 149, 5745 MHz						
				Value	Limit (>)	Result
				16.45 MHz	500 kHz	Pass

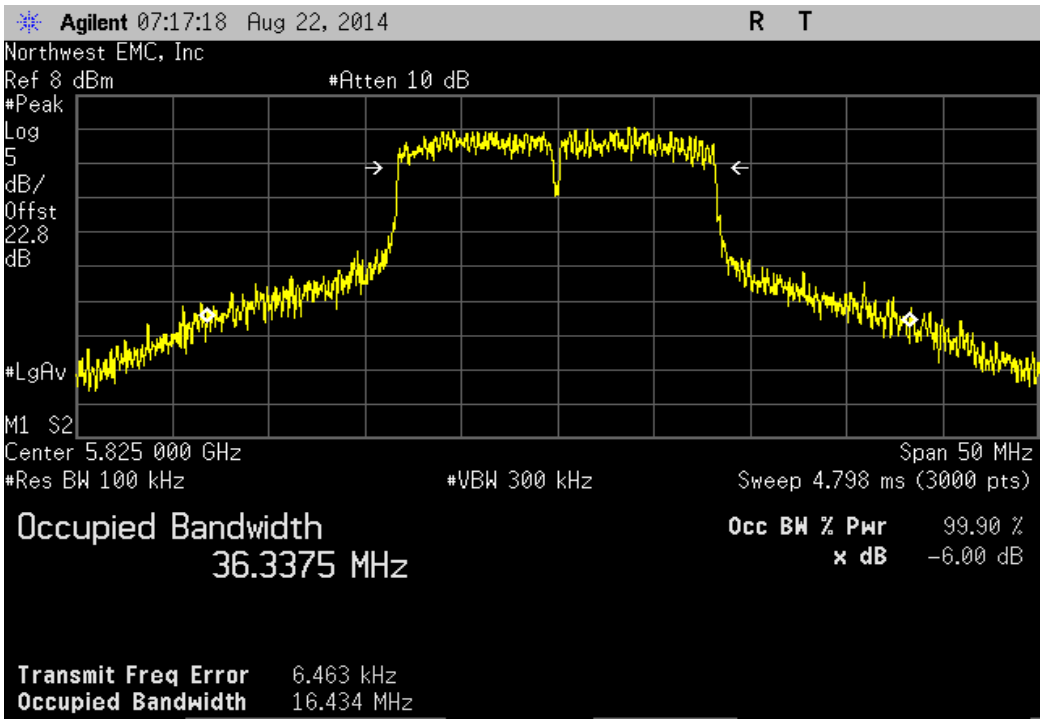


Port 1, 802.11(a) 36 Mbps, Mid Channel 157, 5785 MHz						
				Value	Limit (>)	Result
				16.468 MHz	500 kHz	Pass



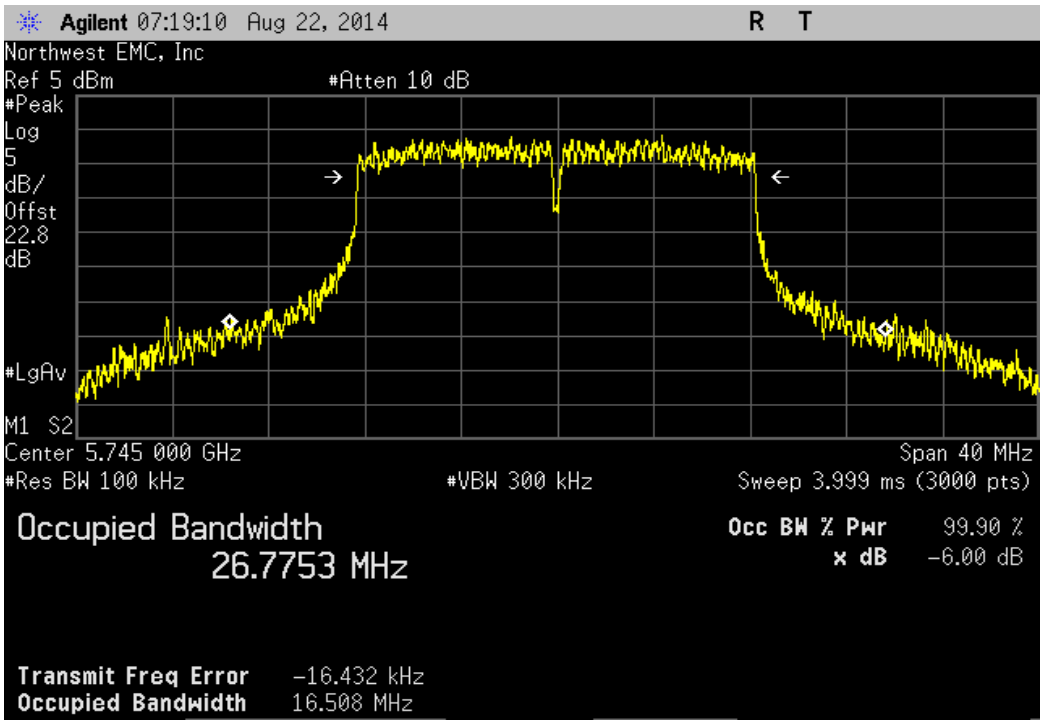
Port 1, 802.11(a) 36 Mbps, High Channel 165, 5825 MHz

				Value	Limit (>)	Result
				16.434 MHz	500 kHz	Pass



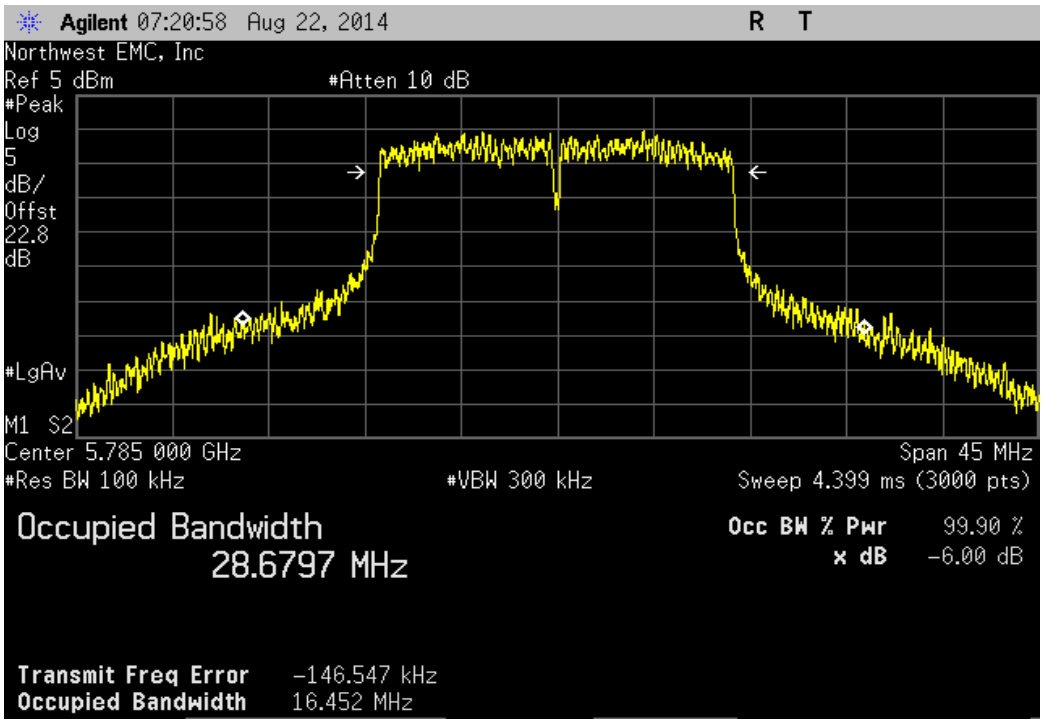
Port 1, 802.11(a) 54 Mbps, Low Channel 149, 5745 MHz

				Value	Limit (>)	Result
				16.508 MHz	500 kHz	Pass



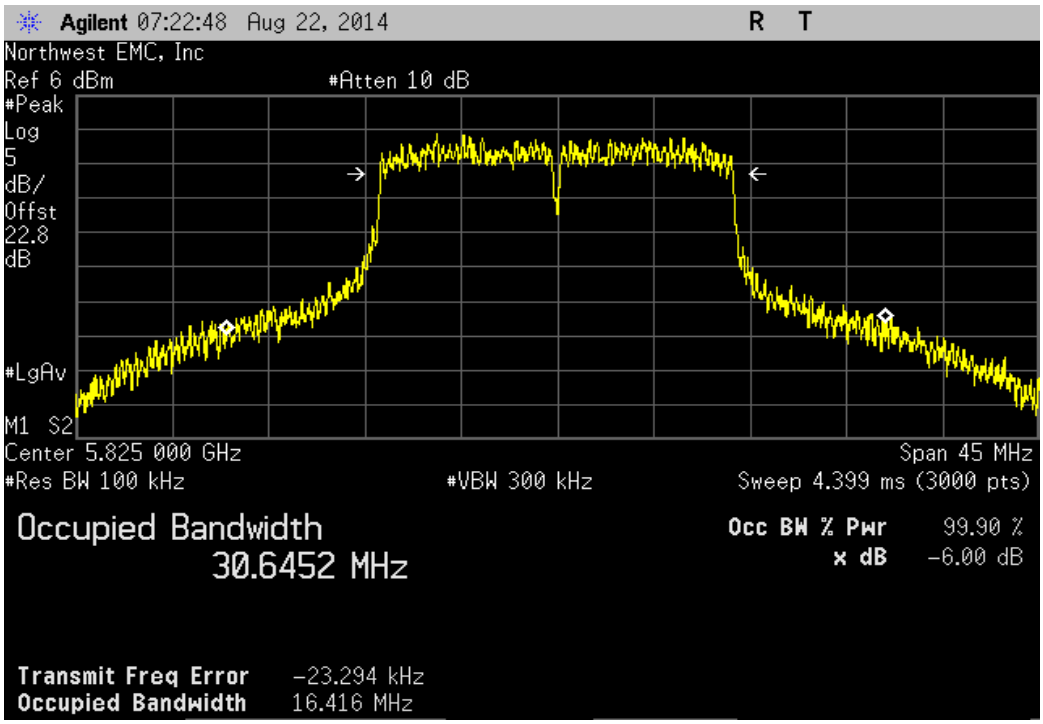
Port 1, 802.11(a) 54 Mbps, Mid Channel 157, 5785 MHz

				Value	Limit (>)	Result
				16.452 MHz	500 kHz	Pass

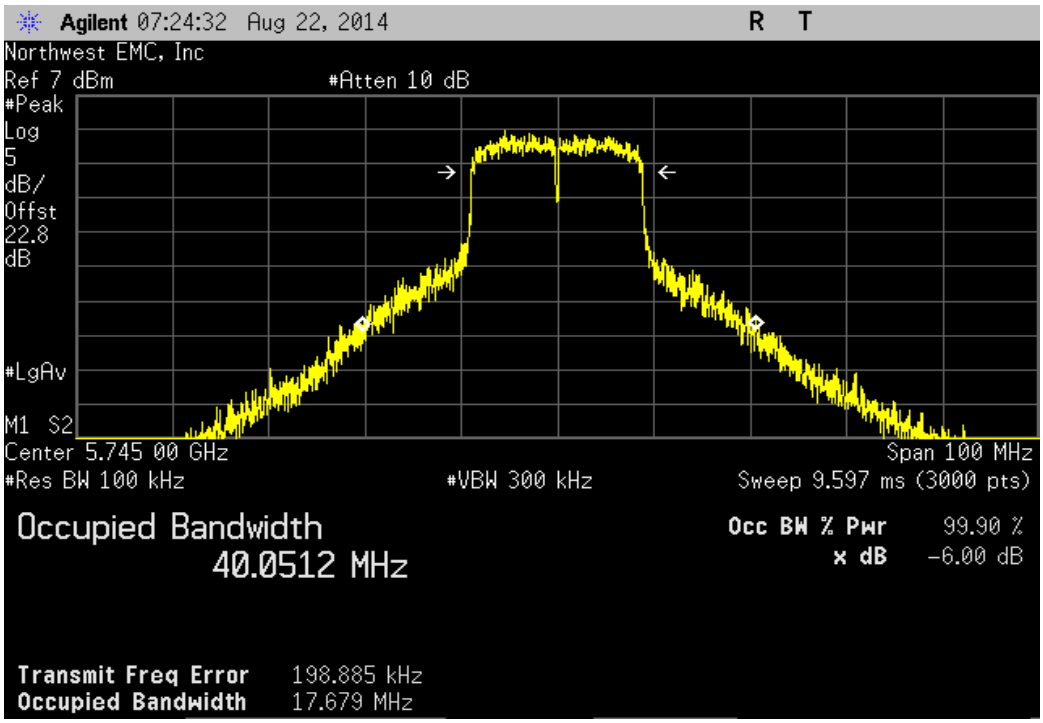


Port 1, 802.11(a) 54 Mbps, High Channel 165, 5825 MHz

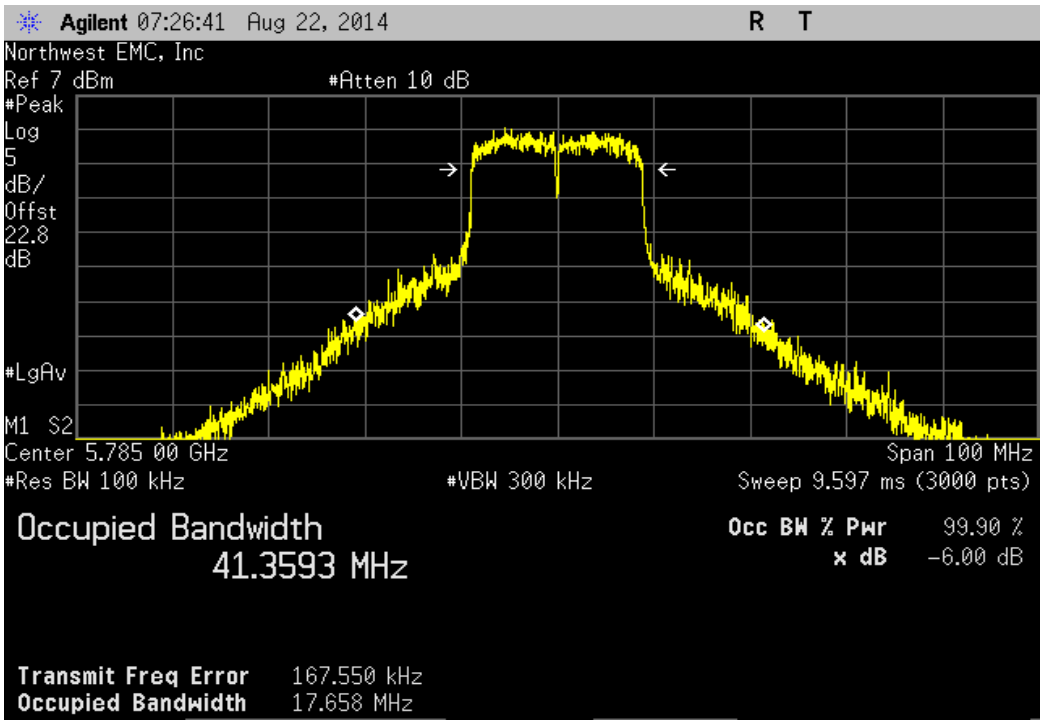
				Value	Limit (>)	Result
				16.416 MHz	500 kHz	Pass



Port 1, 802.11(n) MCS0 - UNII, Low Channel 149, 5745 MHz						
				Value	Limit (>)	Result
				17.679 MHz	500 kHz	Pass

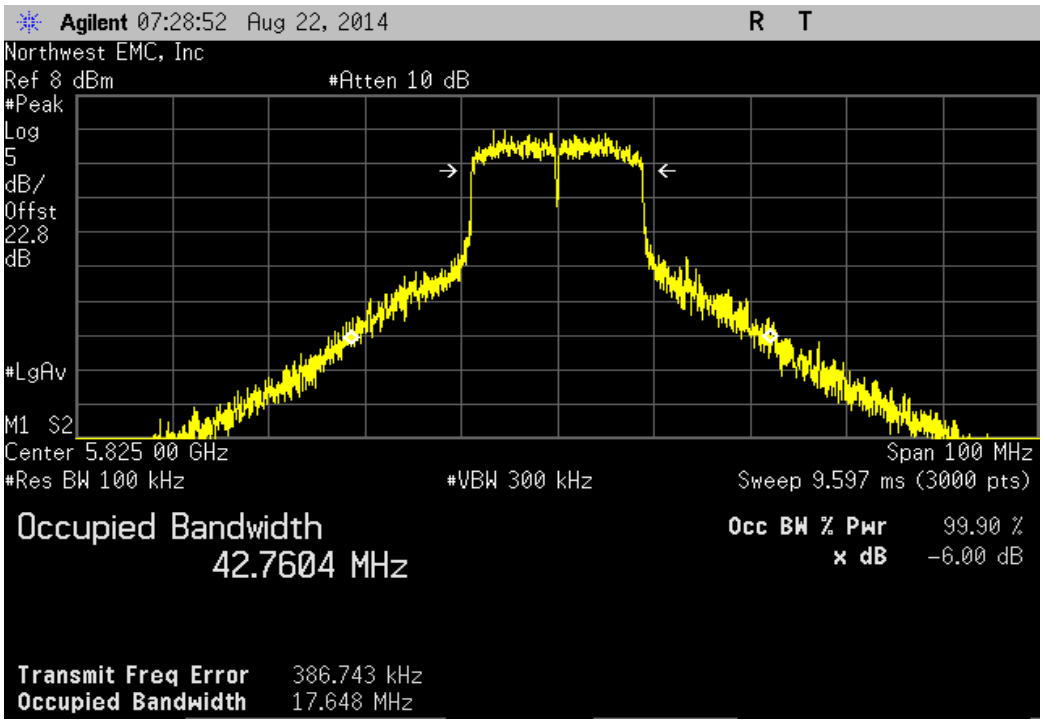


Port 1, 802.11(n) MCS0 - UNII, Mid Channel 157, 5785 MHz						
				Value	Limit (>)	Result
				17.658 MHz	500 kHz	Pass



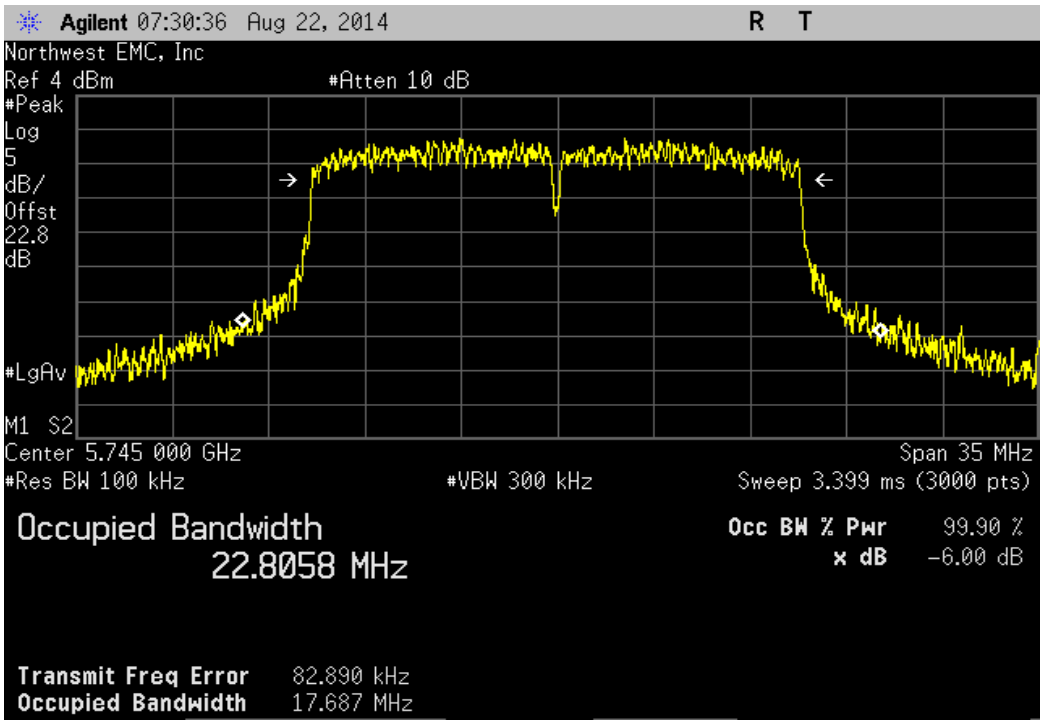
Port 1, 802.11(n) MCS0 - UNII, High Channel 165, 5825 MHz

				Value	Limit (>)	Result
				17.648 MHz	500 kHz	Pass

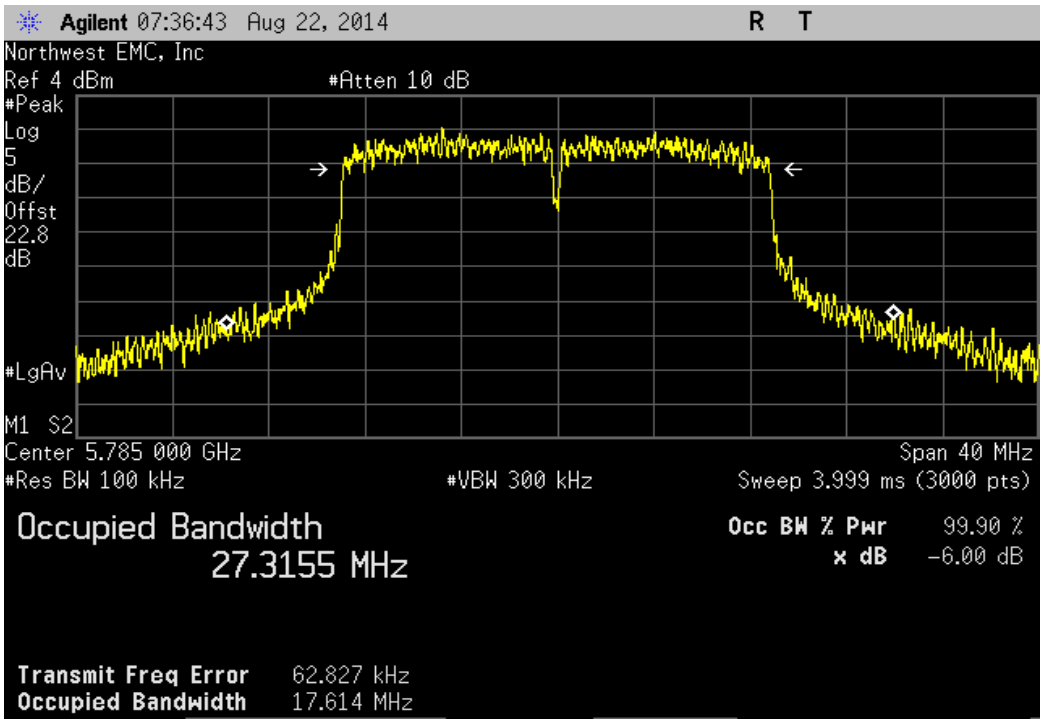


Port 1, 802.11(n) MCS7 - UNII, Low Channel 149, 5745 MHz

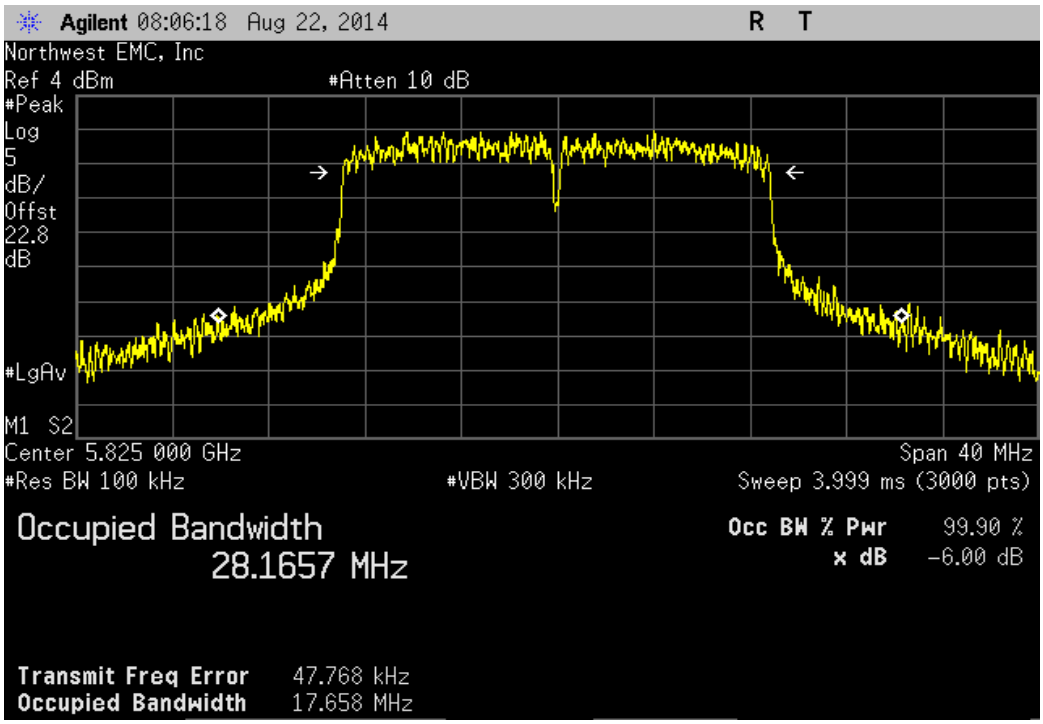
				Value	Limit (>)	Result
				17.687 MHz	500 kHz	Pass



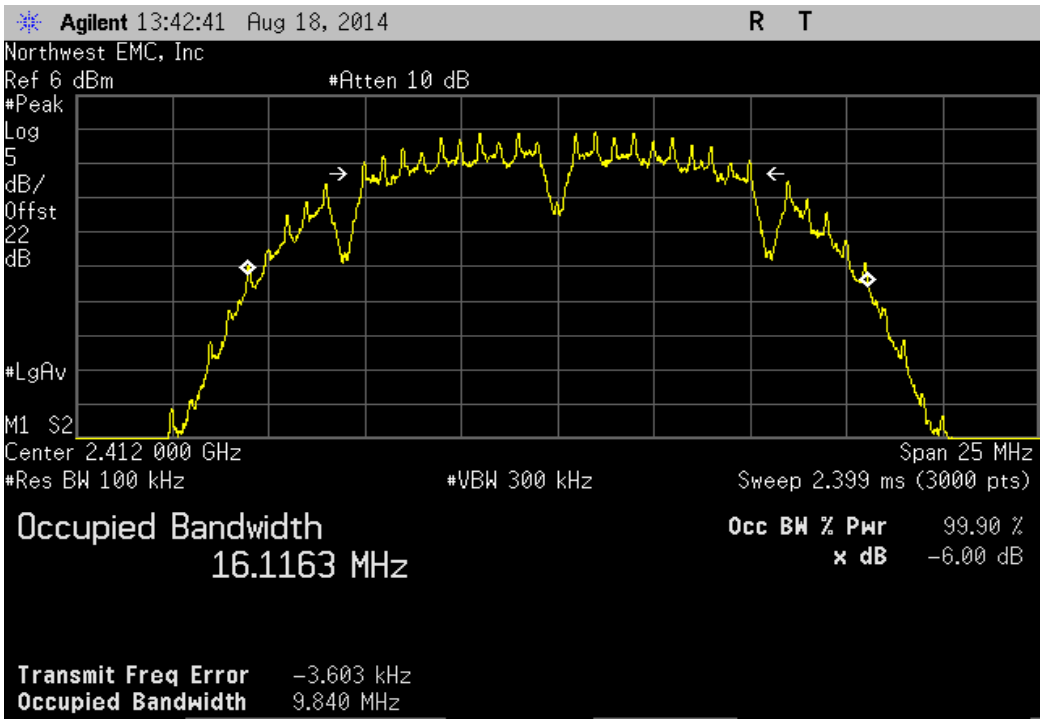
Port 1, 802.11(n) MCS7 - UNII, Mid Channel 157, 5785 MHz						
				Value	Limit (>)	Result
				17.614 MHz	500 kHz	Pass



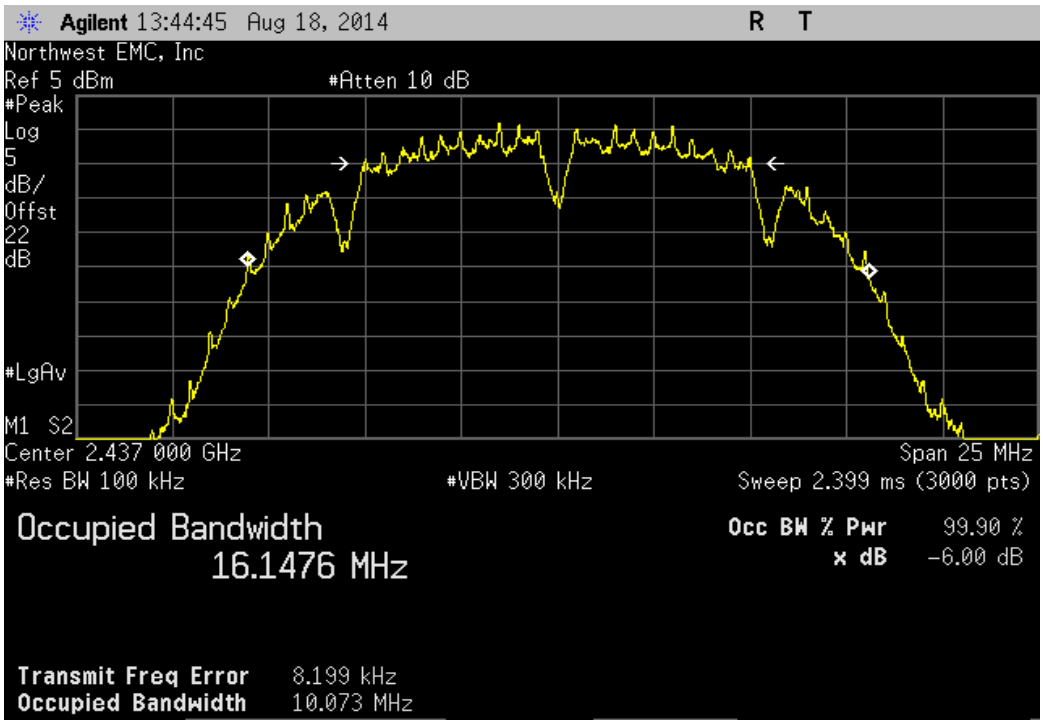
Port 1, 802.11(n) MCS7 - UNII, High Channel 165, 5825 MHz						
				Value	Limit (>)	Result
				17.658 MHz	500 kHz	Pass



Port 2, 802.11(b) 1 Mbps, Low Channel 1, 2412 MHz						
				Value	Limit (>)	Result
				9.84 MHz	500 kHz	Pass

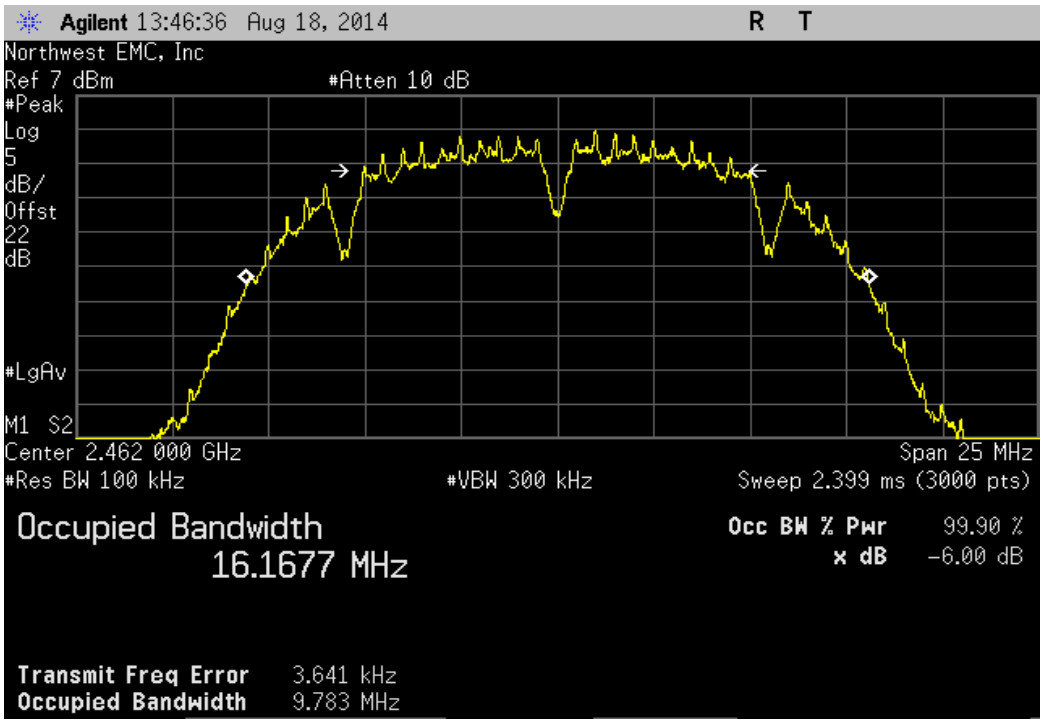


Port 2, 802.11(b) 1 Mbps, Mid Channel 6, 2437 MHz						
				Value	Limit (>)	Result
				10.073 MHz	500 kHz	Pass



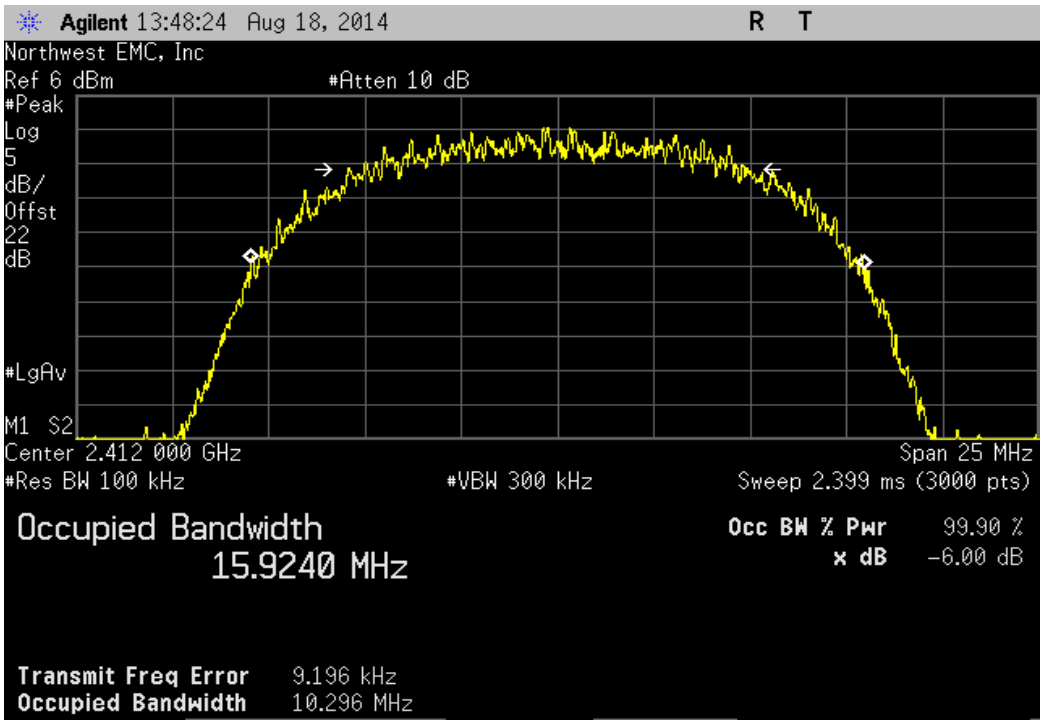
Port 2, 802.11(b) 1 Mbps, High Channel 11, 2462 MHz

				Value	Limit (>)	Result
				9.783 MHz	500 kHz	Pass

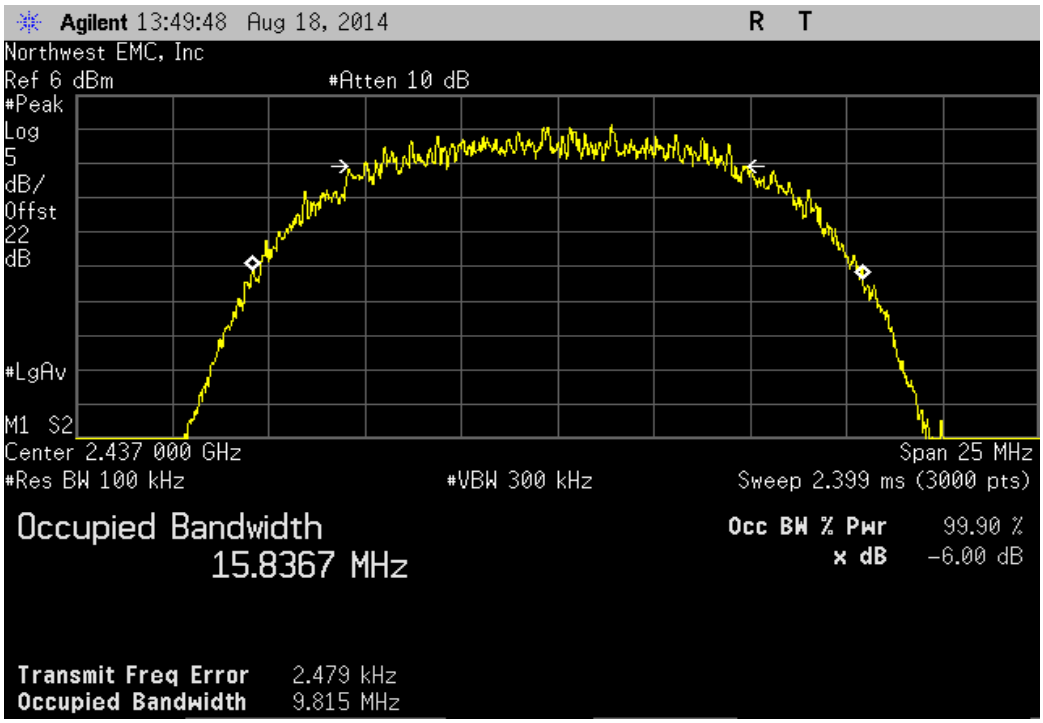


Port 2, 802.11(b) 11 Mbps, Low Channel 1, 2412 MHz

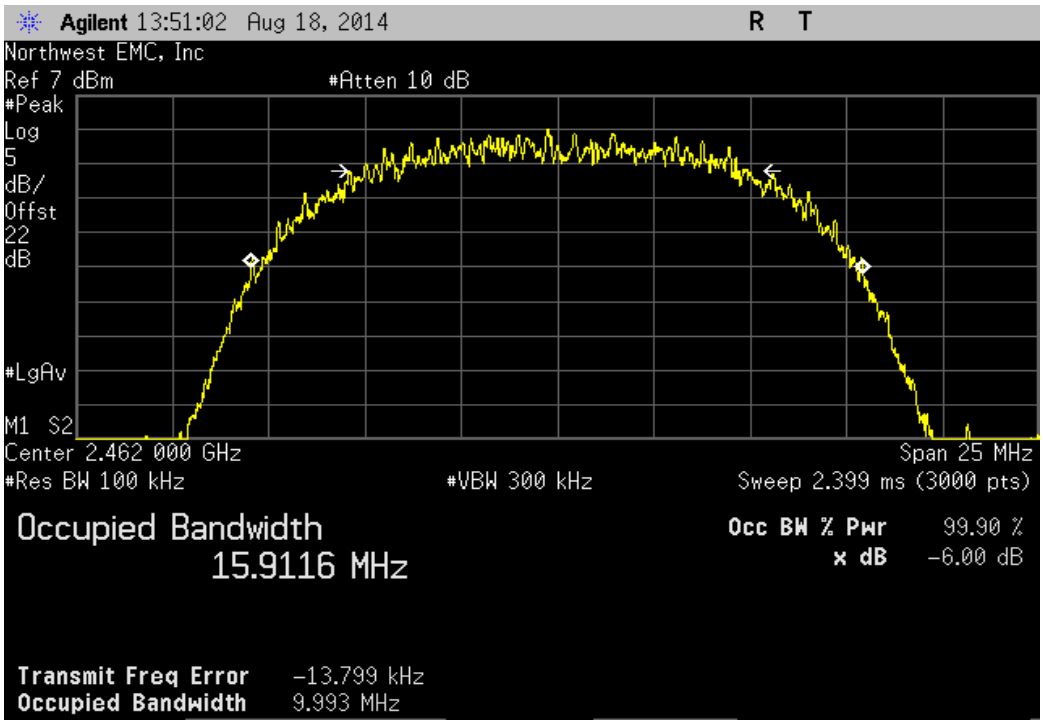
				Value	Limit (>)	Result
				10.296 MHz	500 kHz	Pass



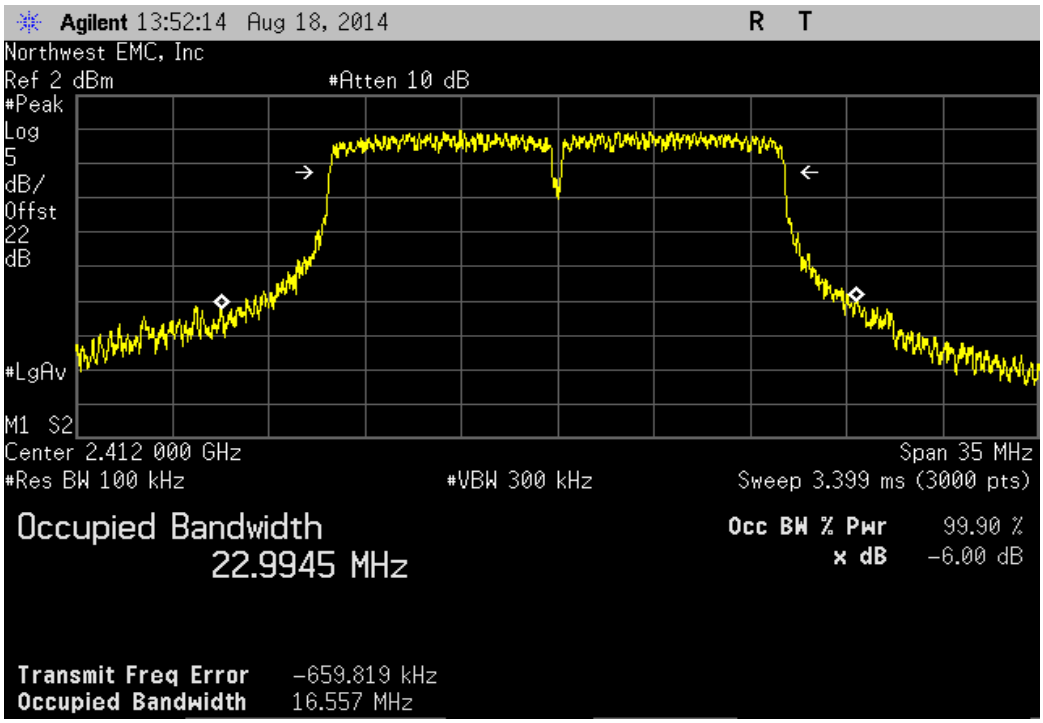
Port 2, 802.11(b) 11 Mbps, Mid Channel 6, 2437 MHz							
					Value	Limit (>)	Result
					9.815 MHz	500 kHz	Pass



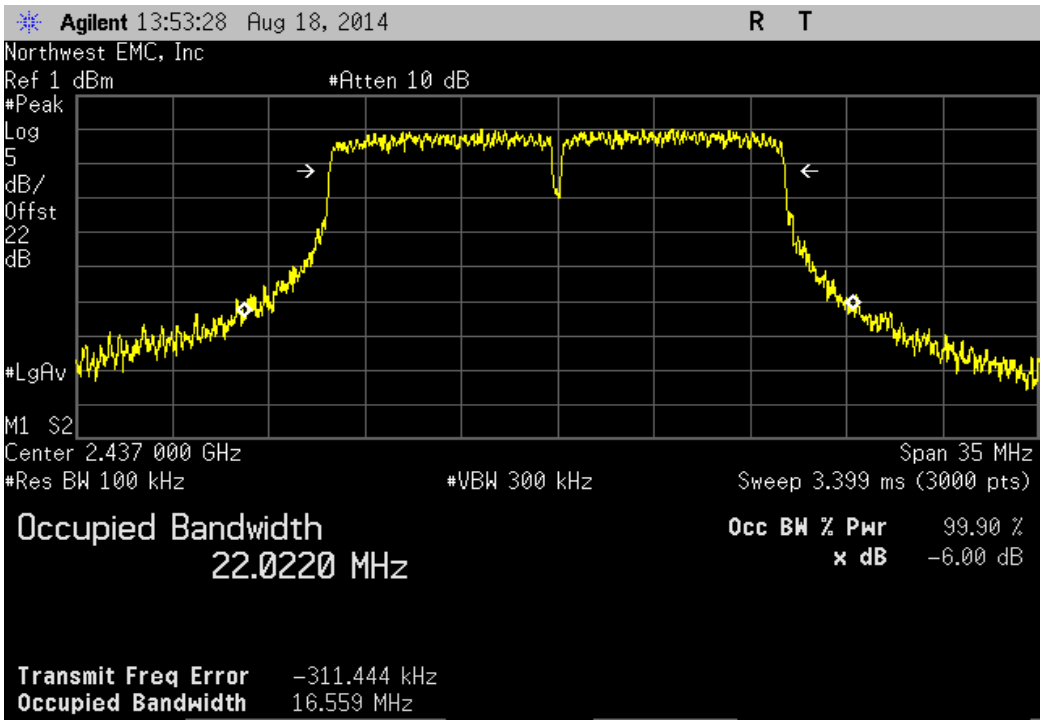
Port 2, 802.11(b) 11 Mbps, High Channel 11, 2462 MHz							
					Value	Limit (>)	Result
					9.993 MHz	500 kHz	Pass



Port 2, 802.11(g) 6 Mbps, Low Channel 1, 2412 MHz						
				Value	Limit (>)	Result
				16.557 MHz	500 kHz	Pass

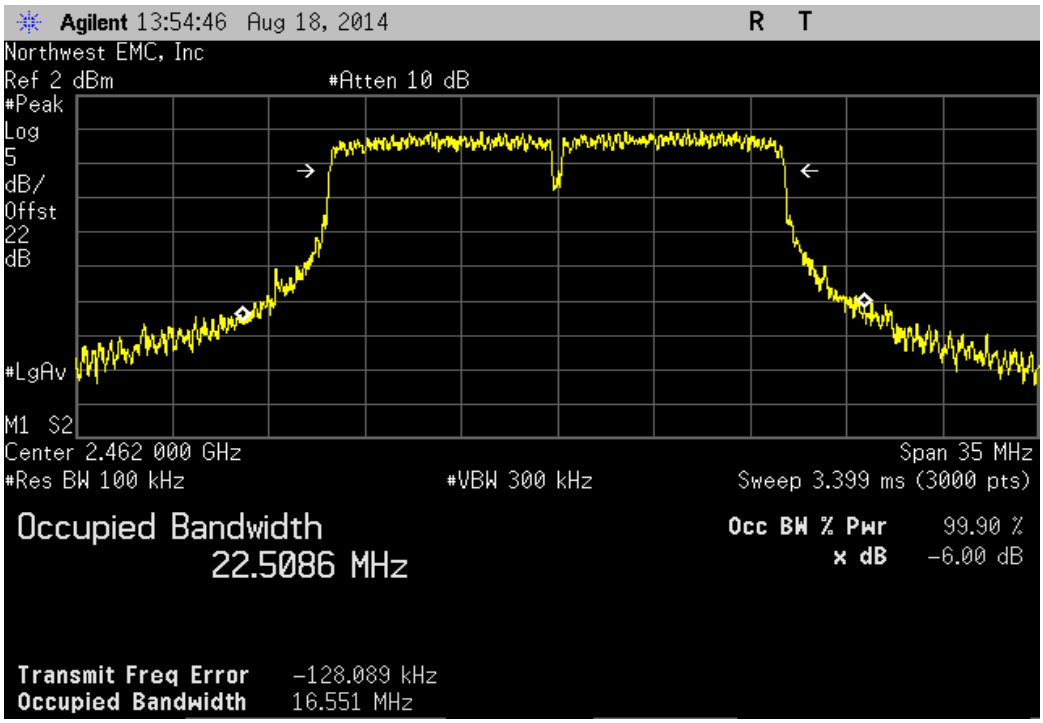


Port 2, 802.11(g) 6 Mbps, Mid Channel 6, 2437 MHz						
				Value	Limit (>)	Result
				16.559 MHz	500 kHz	Pass



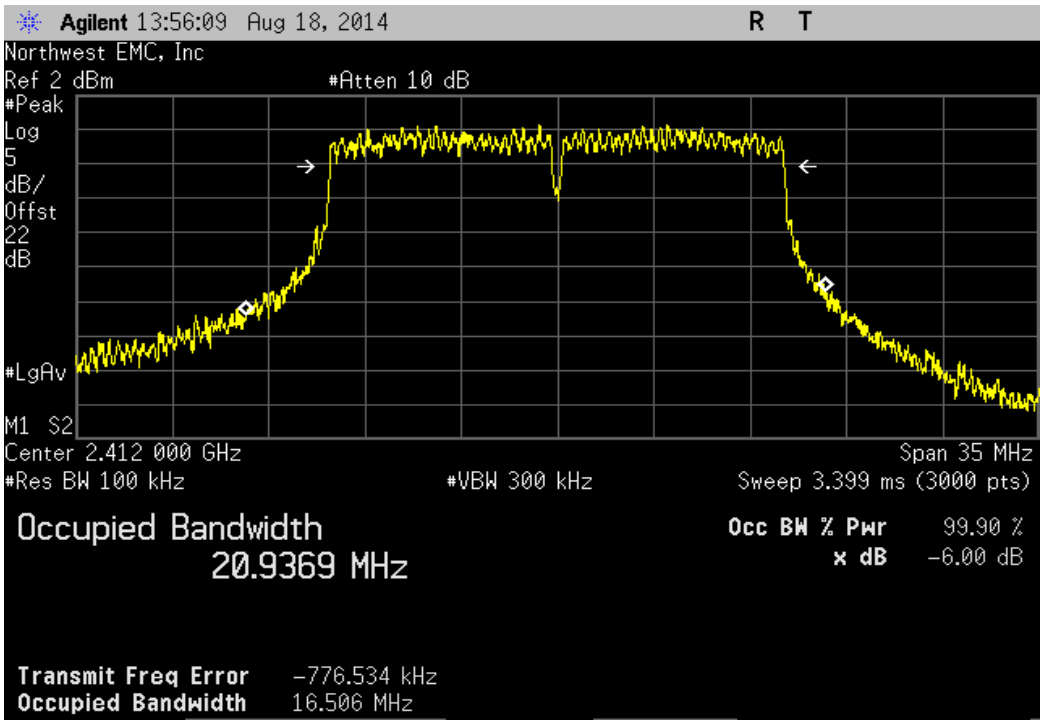
Port 2, 802.11(g) 6 Mbps, High Channel 11, 2462 MHz

				Value	Limit (>)	Result
				16.551 MHz	500 kHz	Pass



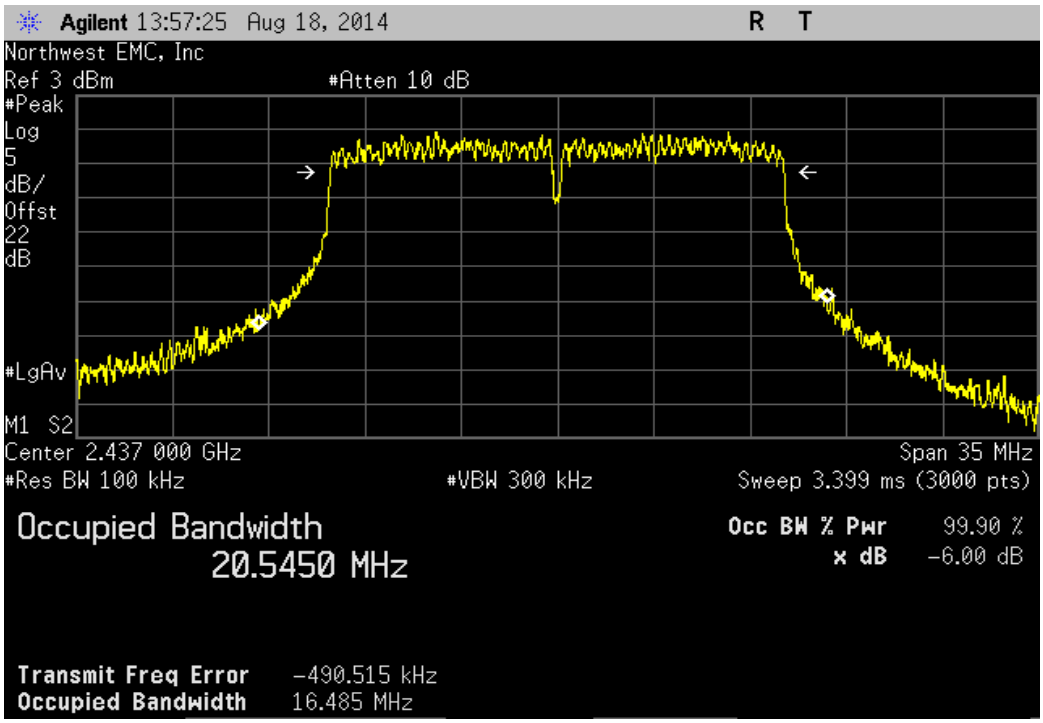
Port 2, 802.11(g) 36 Mbps, Low Channel 1, 2412 MHz

				Value	Limit (>)	Result
				16.506 MHz	500 kHz	Pass



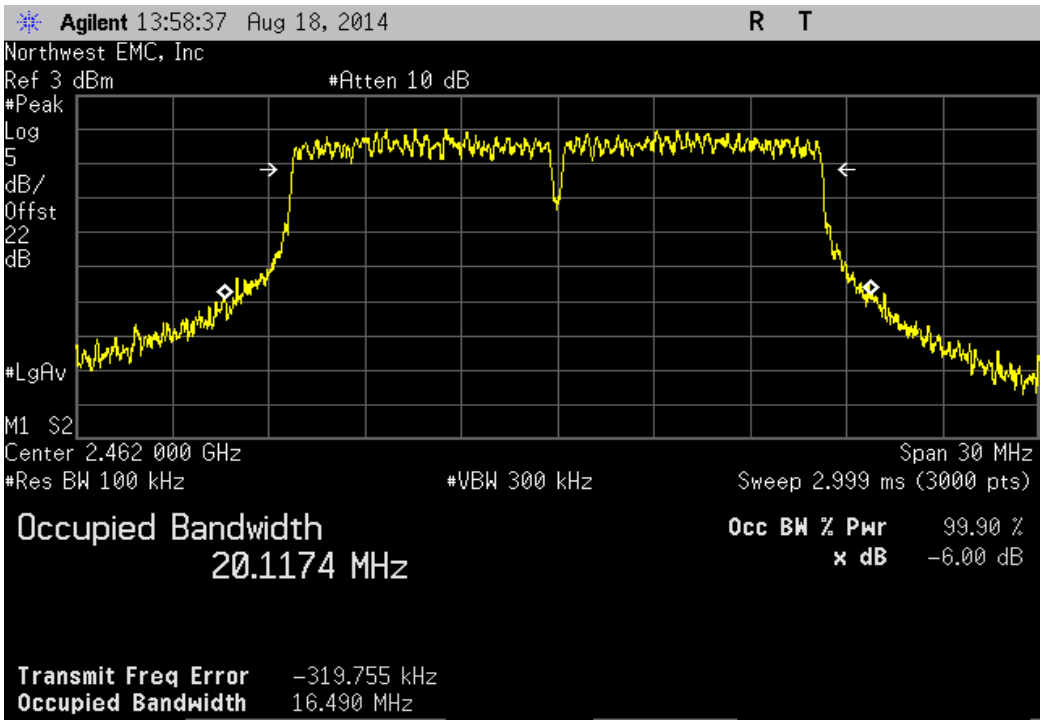
Port 2, 802.11(g) 36 Mbps, Mid Channel 6, 2437 MHz

				Value	Limit (>)	Result
				16.485 MHz	500 kHz	Pass



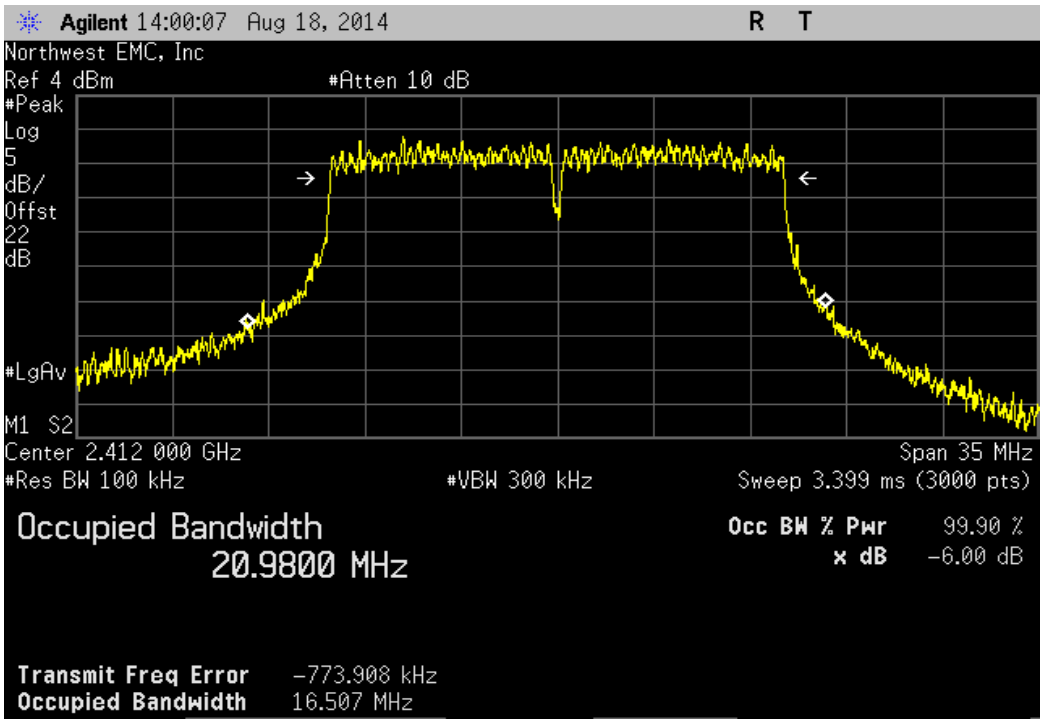
Port 2, 802.11(g) 36 Mbps, High Channel 11, 2462 MHz

				Value	Limit (>)	Result
				16.49 MHz	500 kHz	Pass



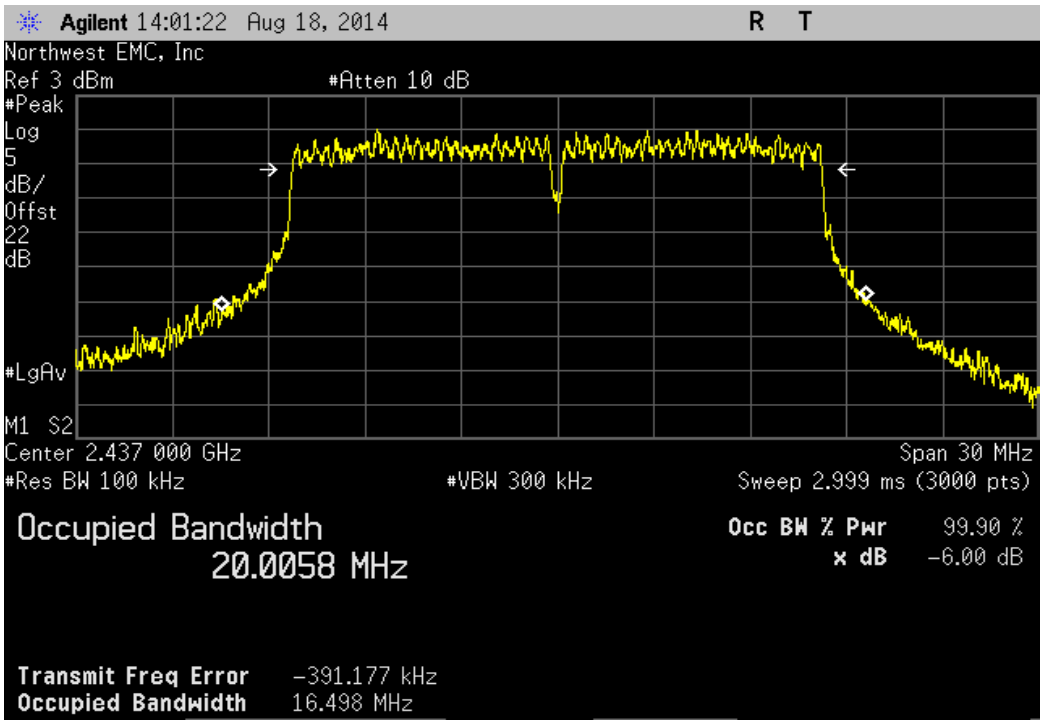
Port 2, 802.11(g) 54 Mbps, Low Channel 1, 2412 MHz

				Value	Limit (>)	Result
				16.507 MHz	500 kHz	Pass



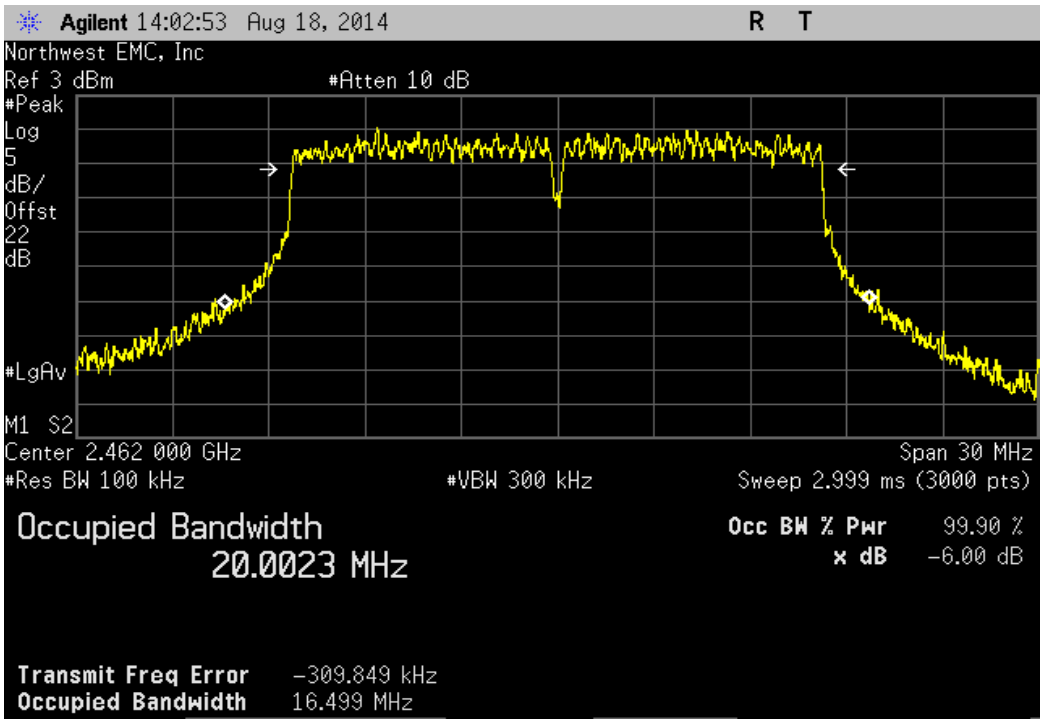
Port 2, 802.11(g) 54 Mbps, Mid Channel 6, 2437 MHz

				Value	Limit (>)	Result
				16.498 MHz	500 kHz	Pass



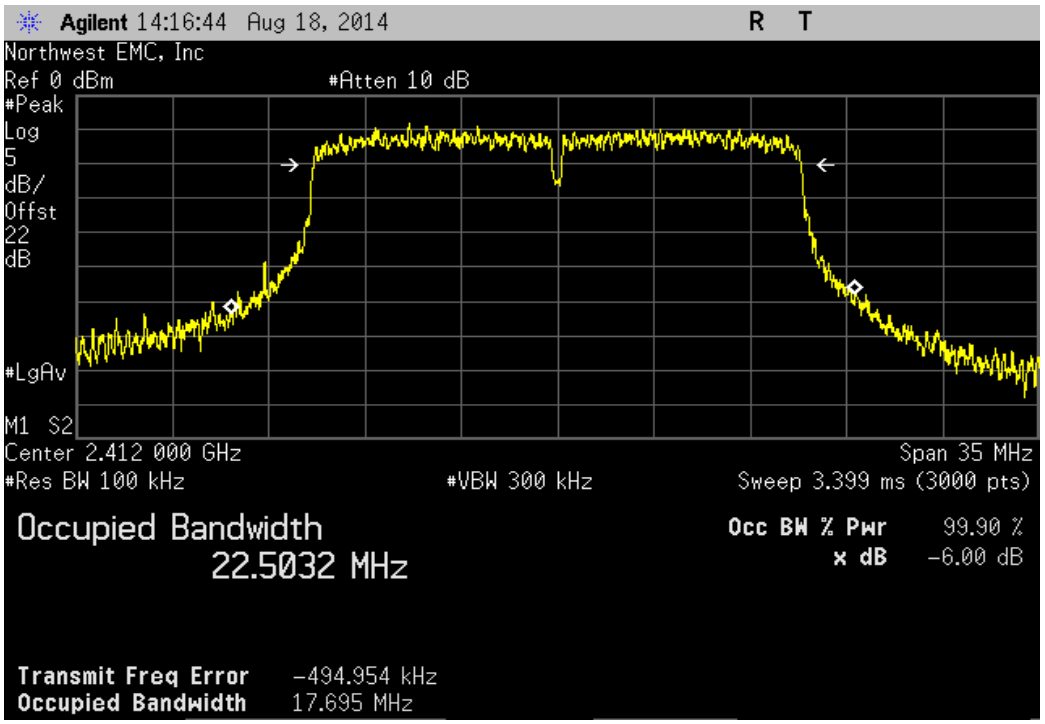
Port 2, 802.11(g) 54 Mbps, High Channel 11, 2462 MHz

				Value	Limit (>)	Result
				16.499 MHz	500 kHz	Pass

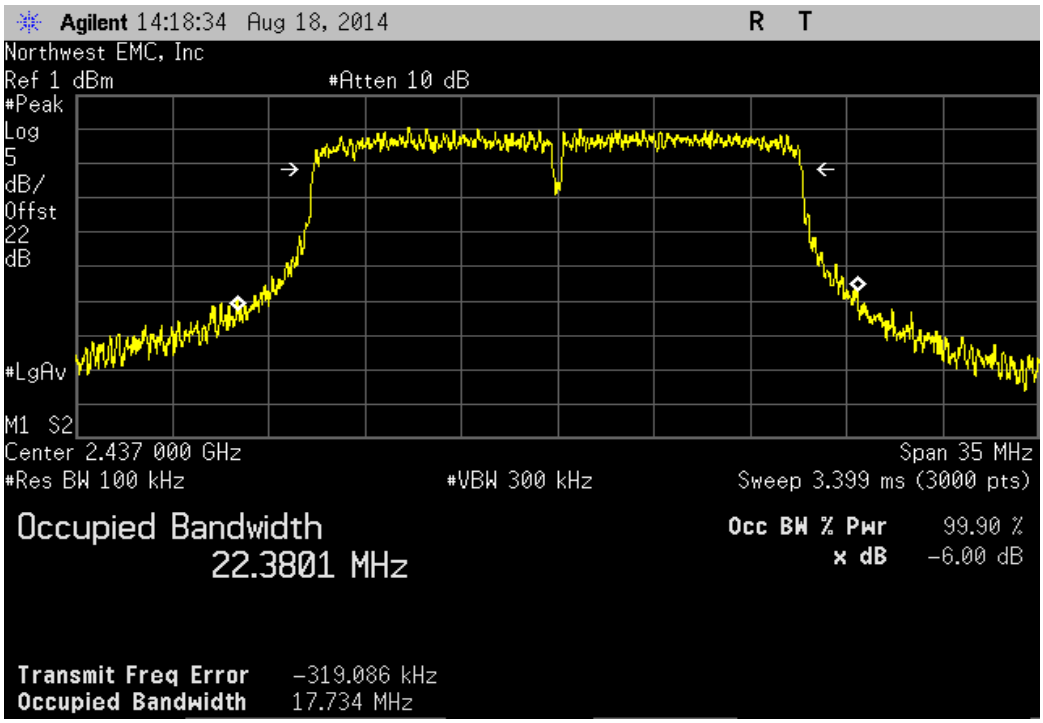


Port 2, 802.11(n) MCS0, Low Channel 1, 2412 MHz

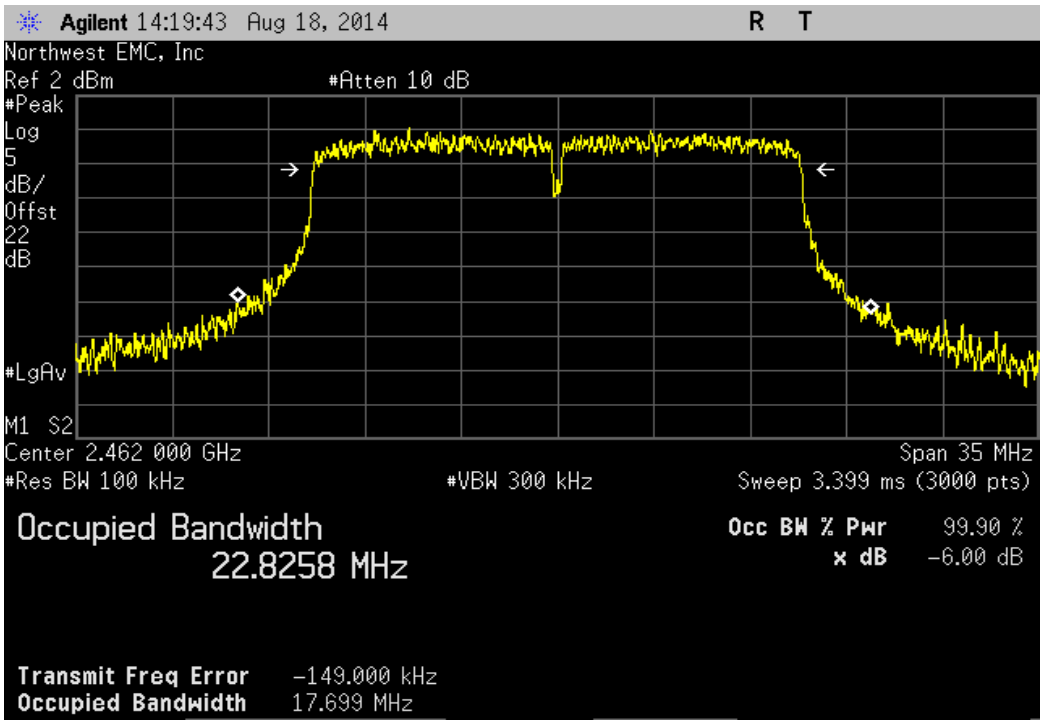
				Value	Limit (>)	Result
				17.695 MHz	500 kHz	Pass



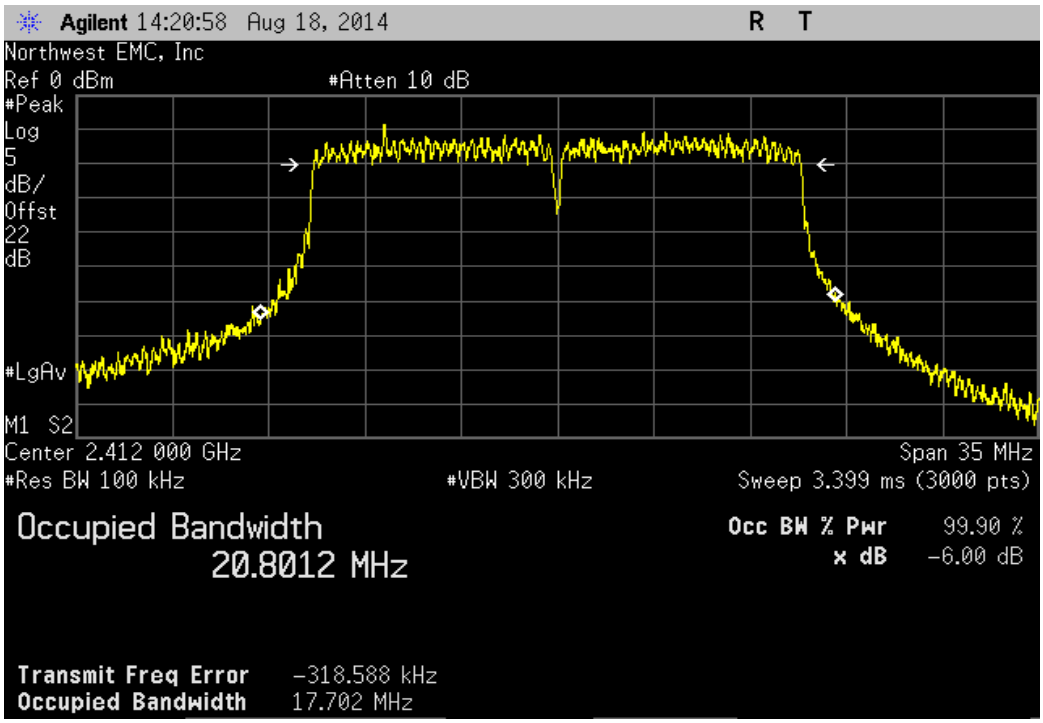
Port 2, 802.11(n) MCS0, Mid Channel 6, 2437 MHz						
				Value	Limit (>)	Result
				17.734 MHz	500 kHz	Pass



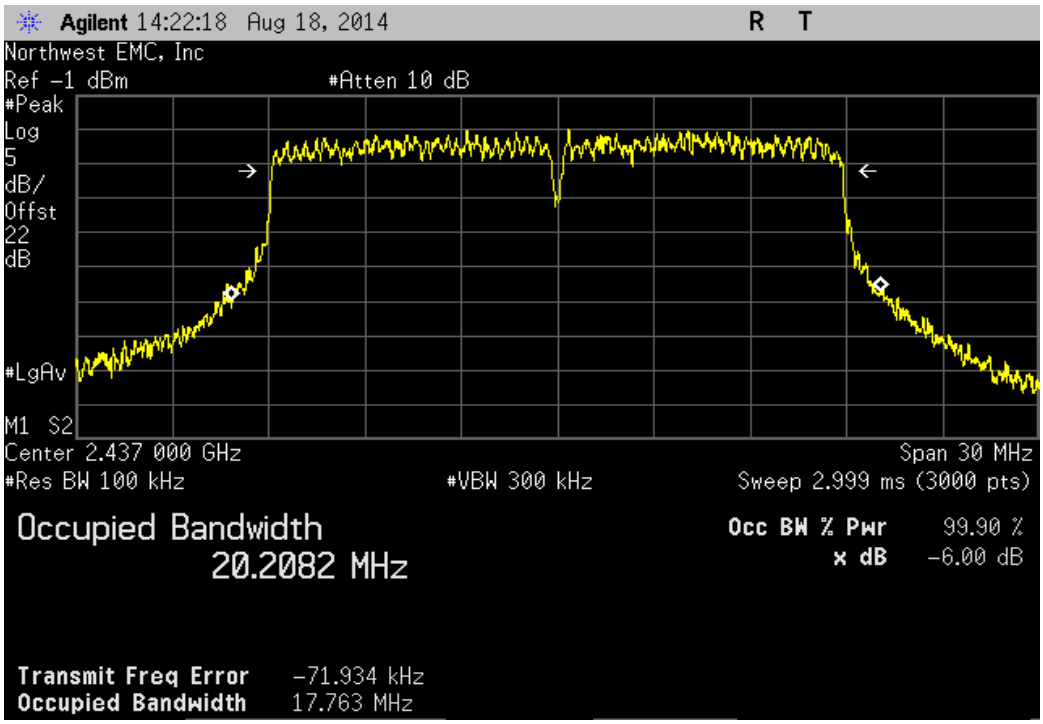
Port 2, 802.11(n) MCS0, High Channel 11, 2462 MHz						
				Value	Limit (>)	Result
				17.699 MHz	500 kHz	Pass



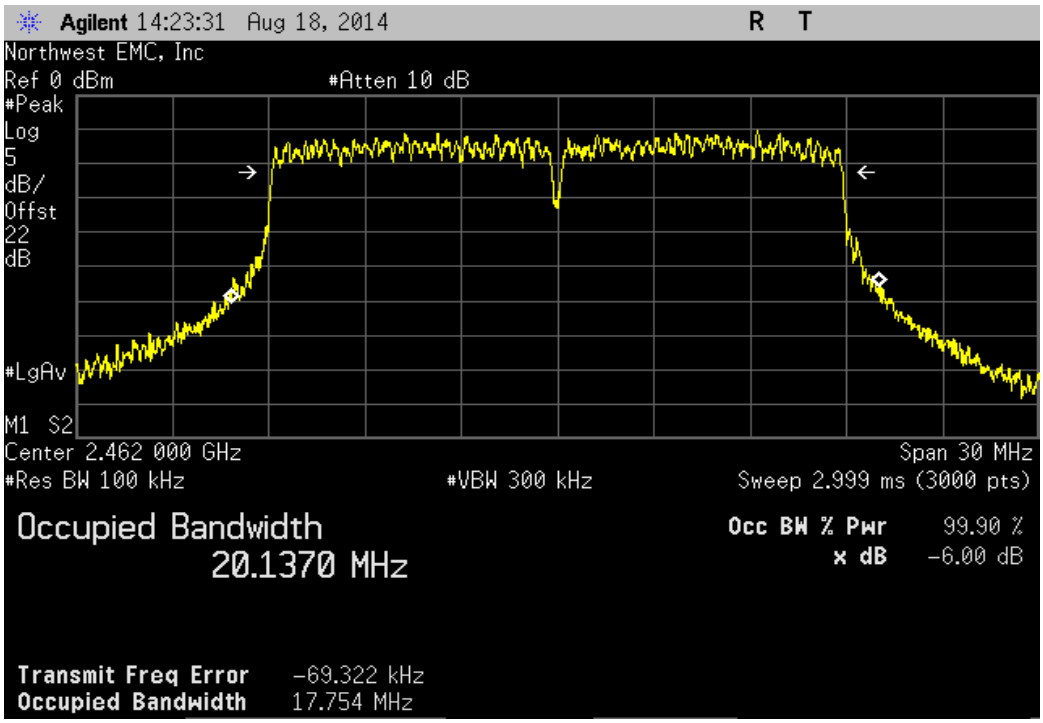
Port 2, 802.11(n) MCS7, Low Channel 1, 2412 MHz						
				Value	Limit (>)	Result
				17.702 MHz	500 kHz	Pass



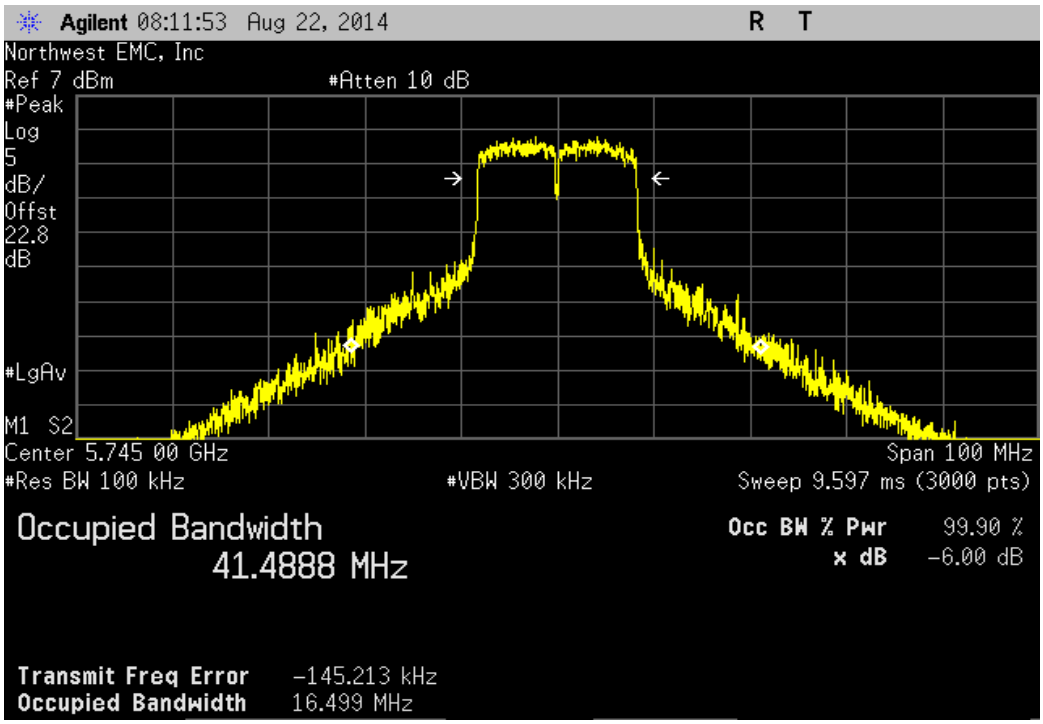
Port 2, 802.11(n) MCS7, Mid Channel 6, 2437 MHz						
				Value	Limit (>)	Result
				17.763 MHz	500 kHz	Pass



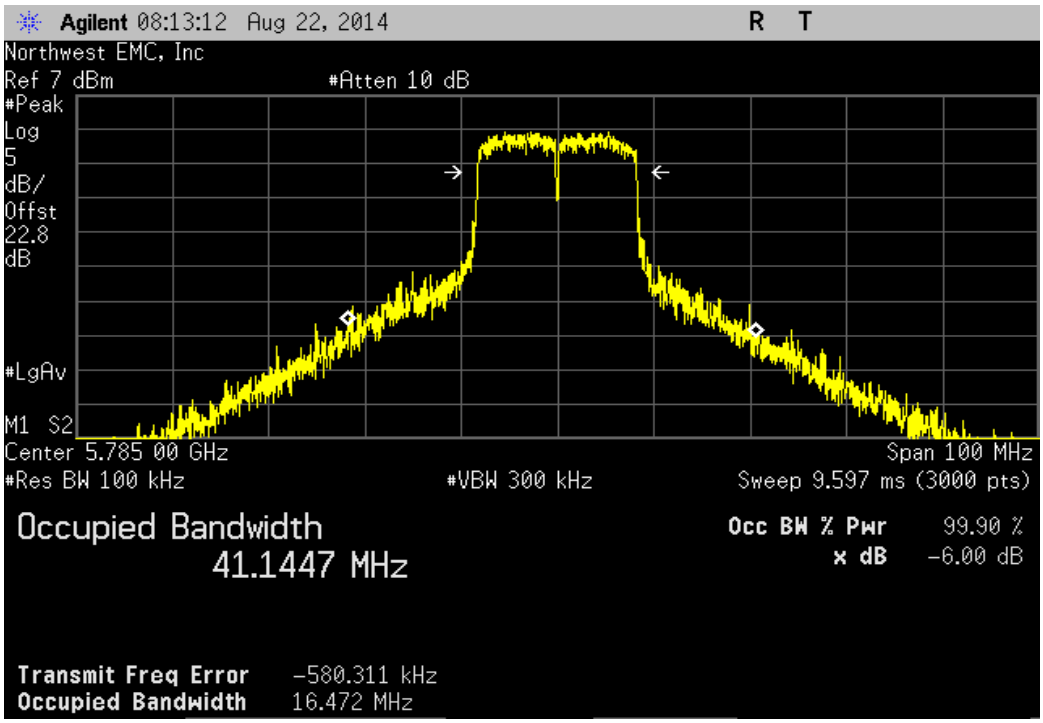
Port 2, 802.11(n) MCS7, High Channel 11, 2462 MHz						
				Value	Limit (>)	Result
				17.754 MHz	500 kHz	Pass



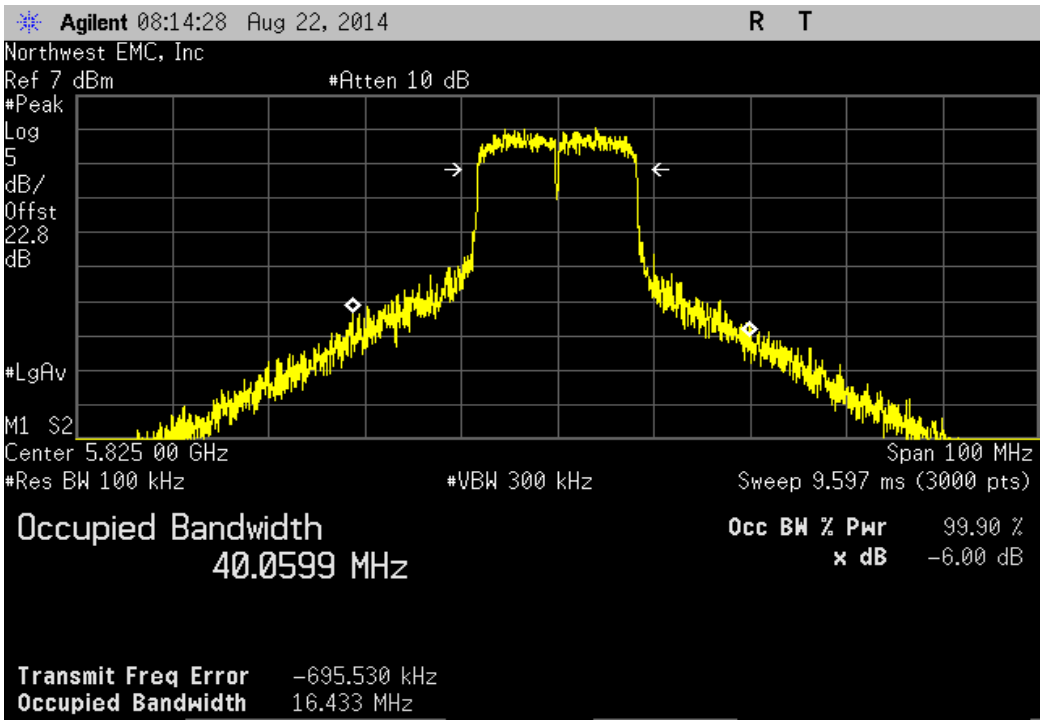
Port 2, 802.11(a) 6 Mbps, Low Channel 149, 5745 MHz						
				Value	Limit (>)	Result
				16.499 MHz	500 kHz	Pass



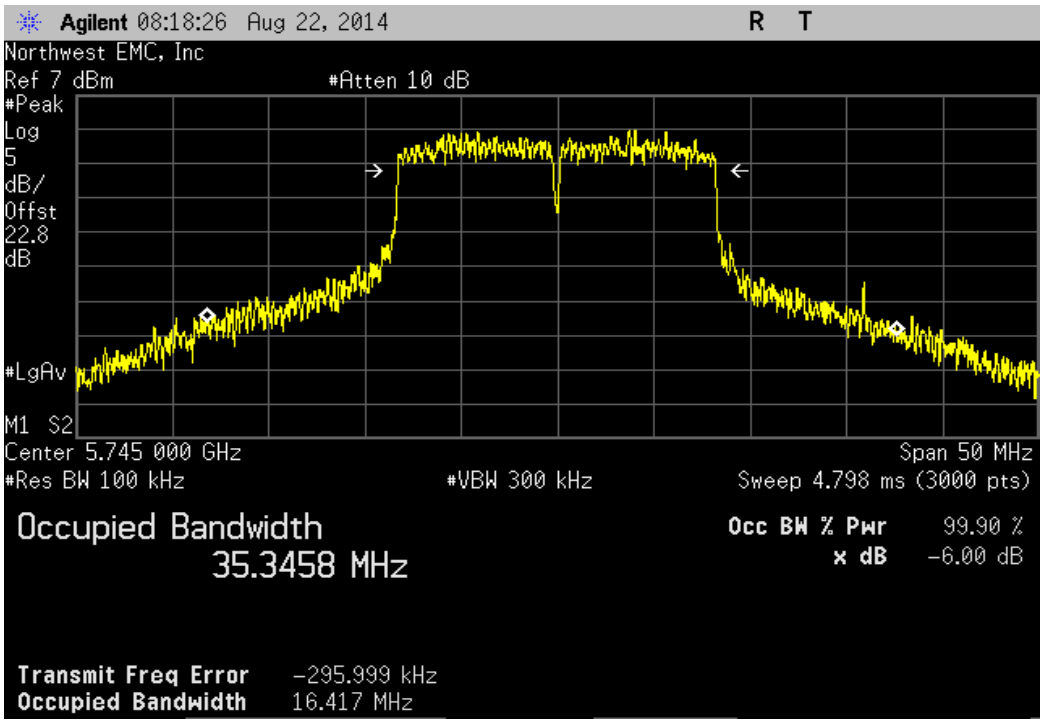
Port 2, 802.11(a) 6 Mbps, Mid Channel 157, 5785 MHz						
				Value	Limit (>)	Result
				16.472 MHz	500 kHz	Pass



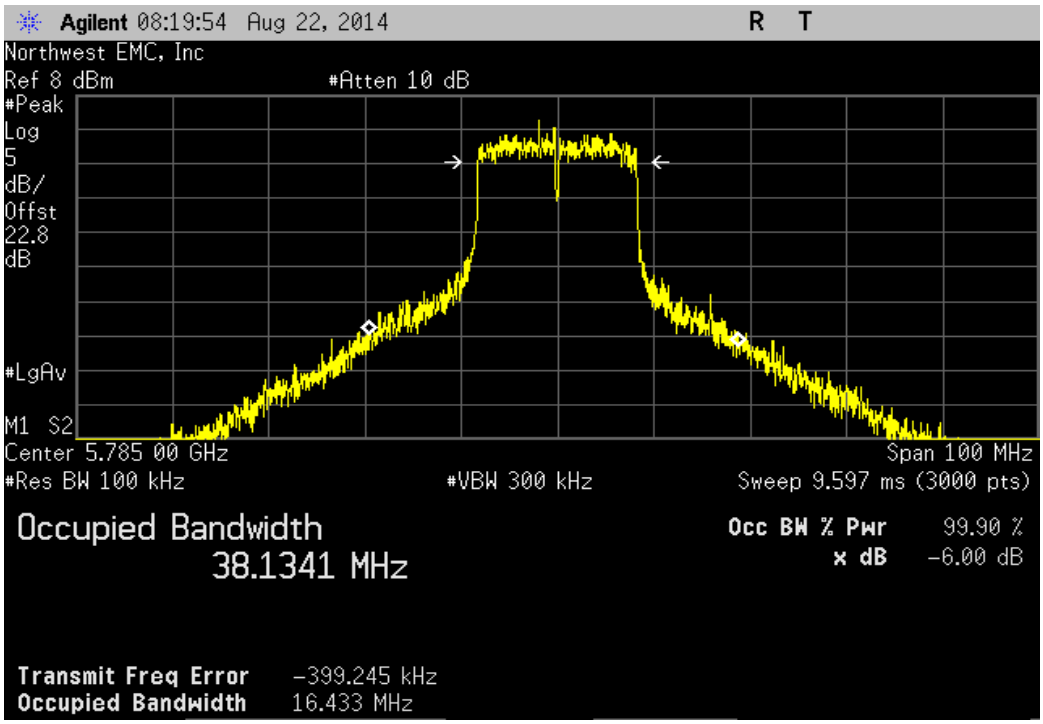
Port 2, 802.11(a) 6 Mbps, High Channel 165, 5825 MHz						
				Value	Limit (>)	Result
				16.433 MHz	500 kHz	Pass



Port 2, 802.11(a) 36 Mbps, Low Channel 149, 5745 MHz						
				Value	Limit (>)	Result
				16.417 MHz	500 kHz	Pass

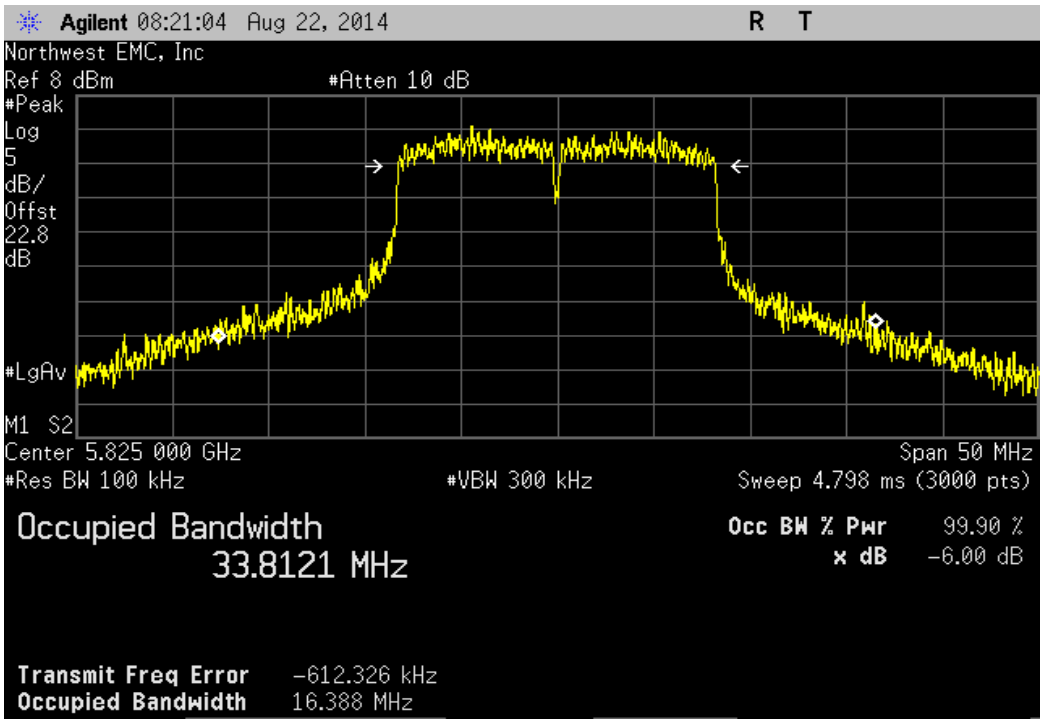


Port 2, 802.11(a) 36 Mbps, Mid Channel 157, 5785 MHz						
				Value	Limit (>)	Result
				16.433 MHz	500 kHz	Pass



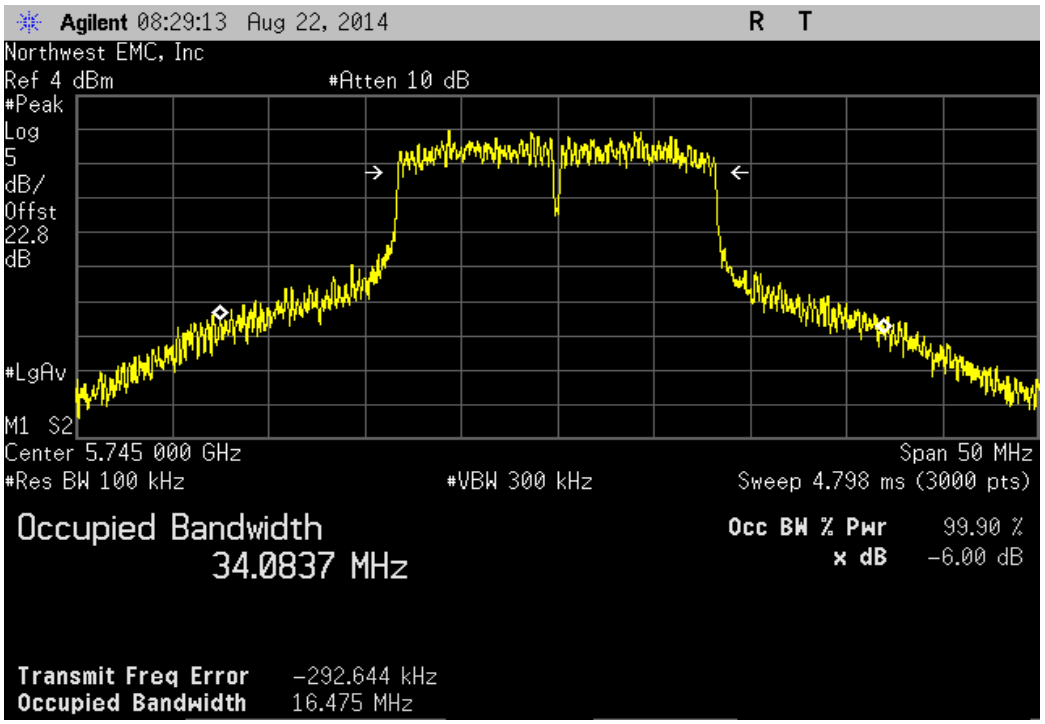
Port 2, 802.11(a) 36 Mbps, High Channel 165, 5825 MHz

				Value	Limit (>)	Result
				16.388 MHz	500 kHz	Pass



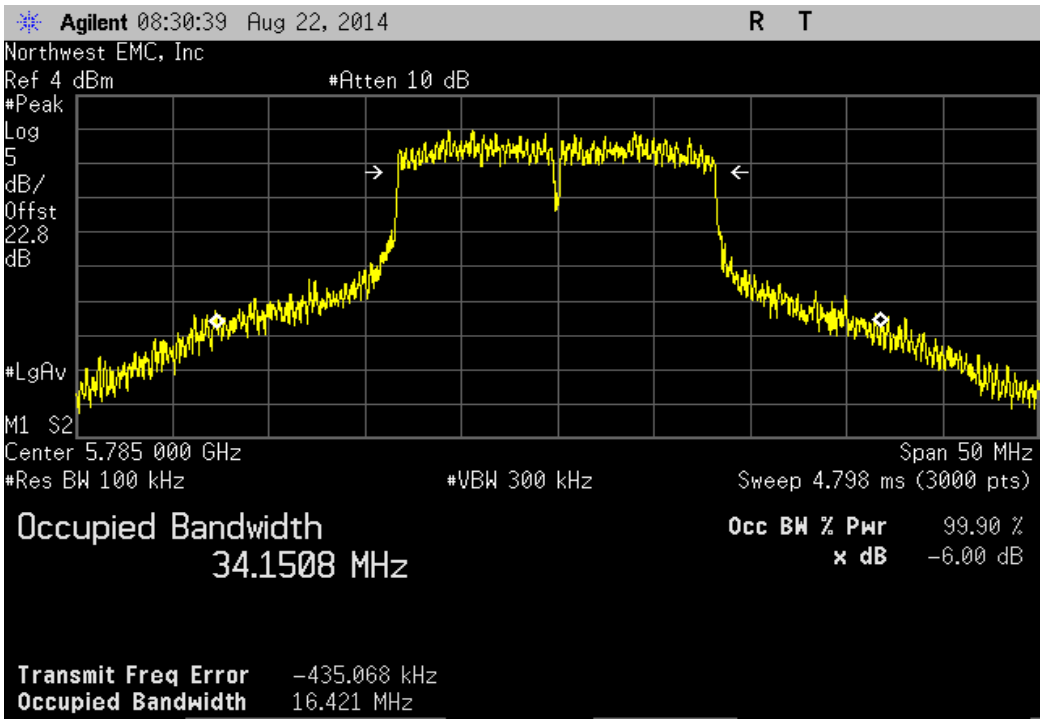
Port 2, 802.11(a) 54 Mbps, Low Channel 149, 5745 MHz

				Value	Limit (>)	Result
				16.475 MHz	500 kHz	Pass



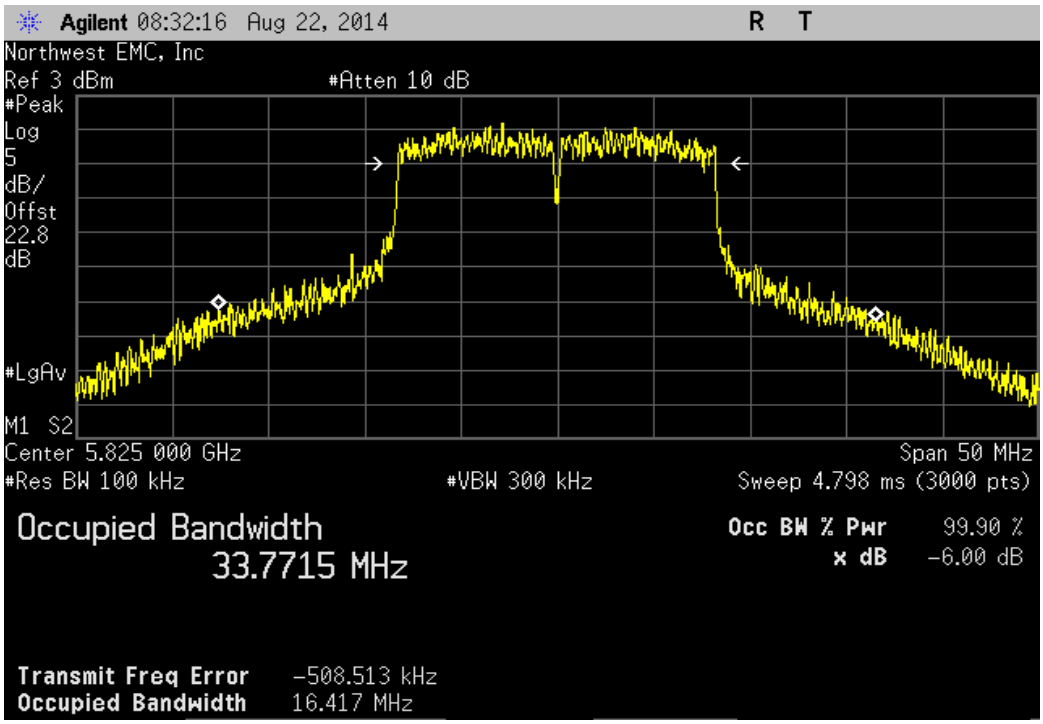
Port 2, 802.11(a) 54 Mbps, Mid Channel 157, 5785 MHz

				Value	Limit (>)	Result
				16.421 MHz	500 kHz	Pass

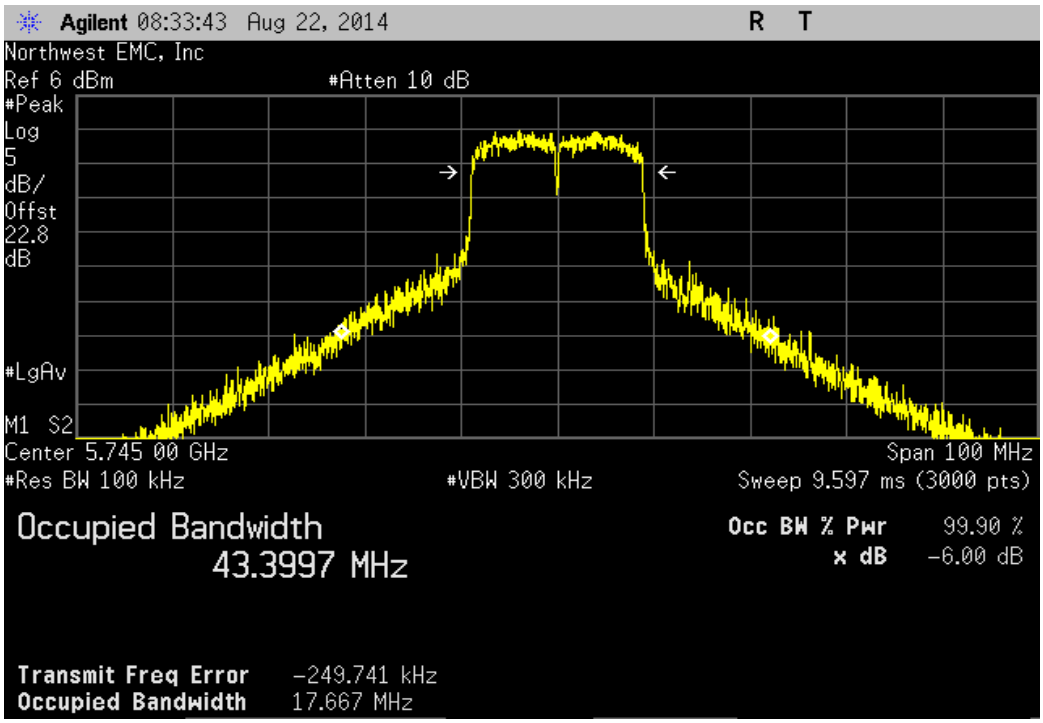


Port 2, 802.11(a) 54 Mbps, High Channel 165, 5825 MHz

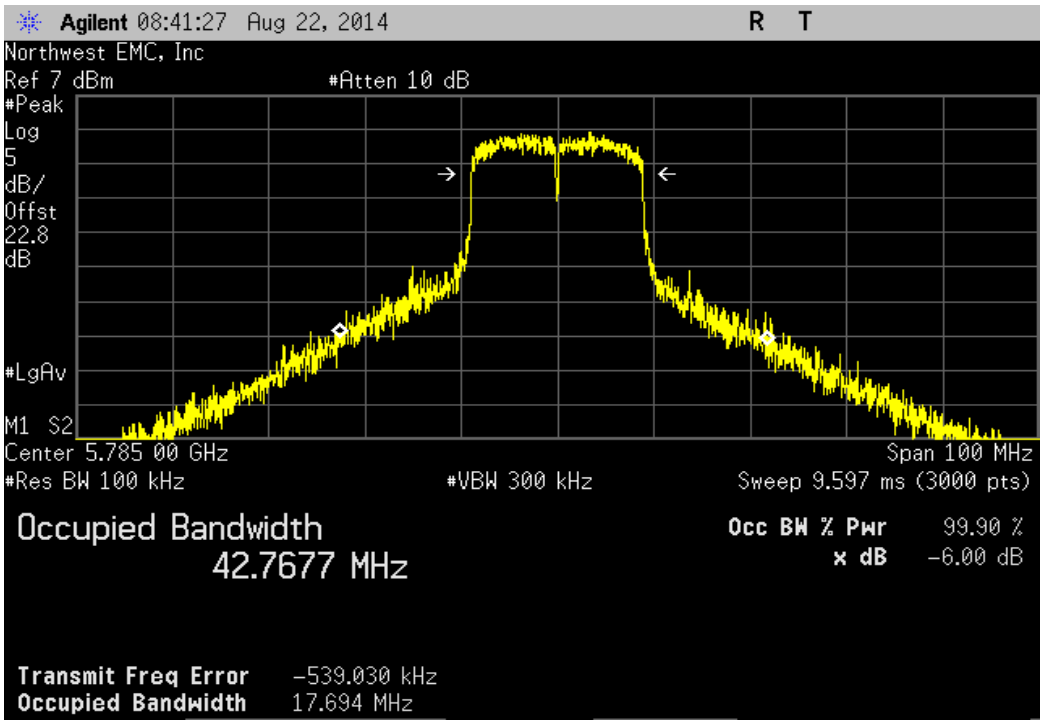
				Value	Limit (>)	Result
				16.417 MHz	500 kHz	Pass



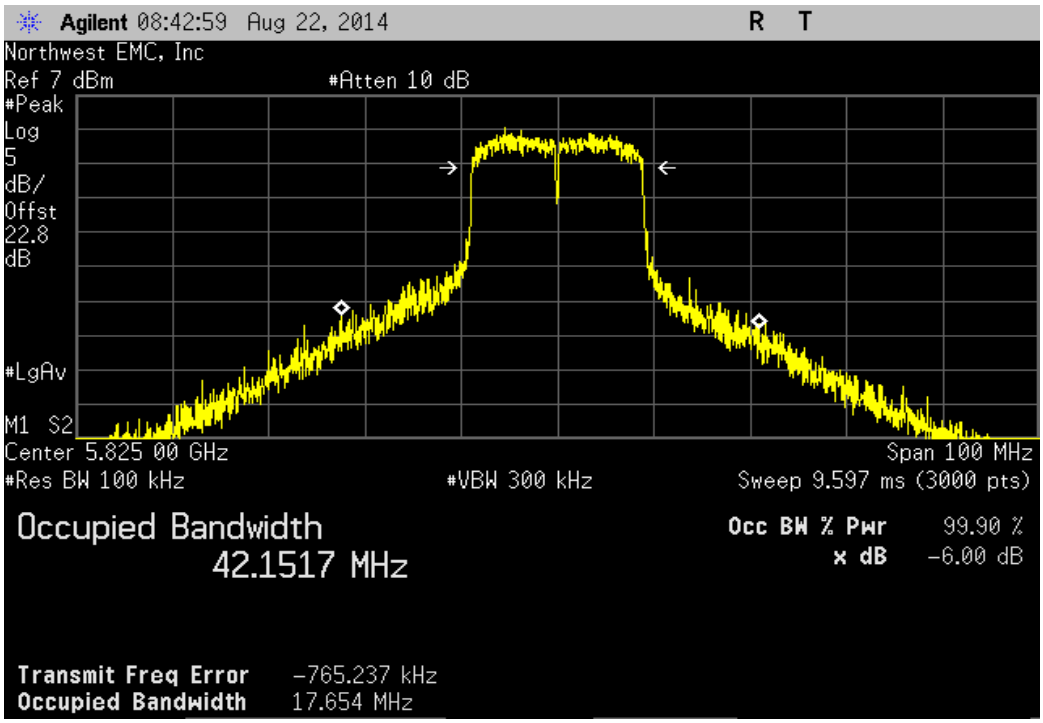
Port 2, 802.11(n) MCS0 - UNII, Low Channel 149, 5745 MHz						
				Value	Limit (>)	Result
				17.667 MHz	500 kHz	Pass



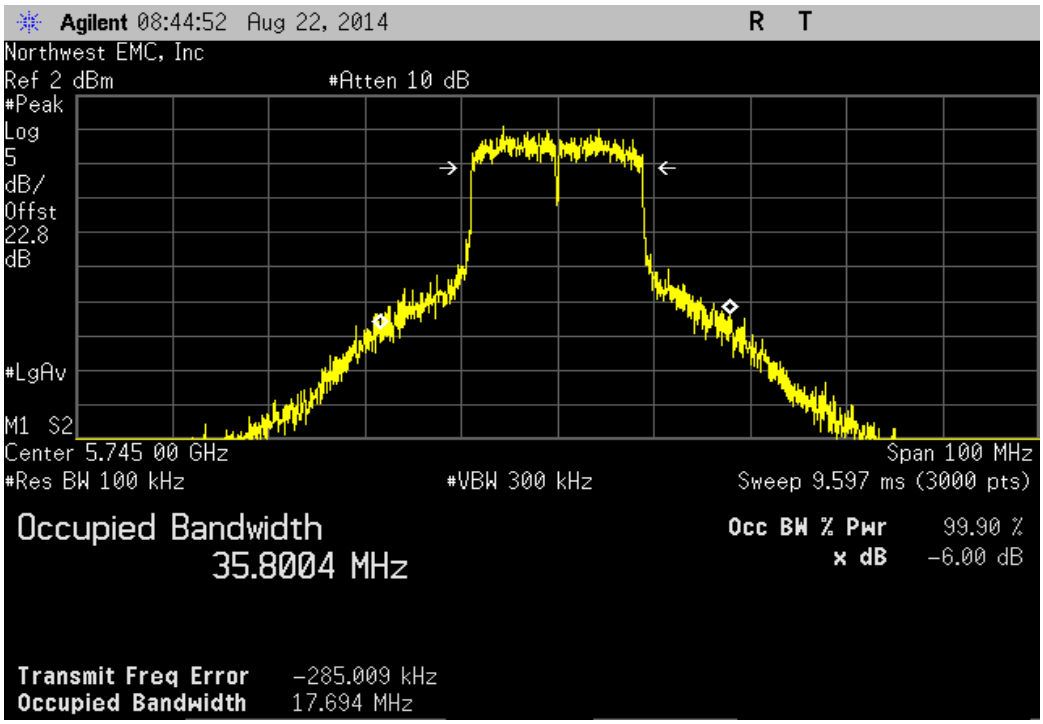
Port 2, 802.11(n) MCS0 - UNII, Mid Channel 157, 5785 MHz						
				Value	Limit (>)	Result
				17.694 MHz	500 kHz	Pass



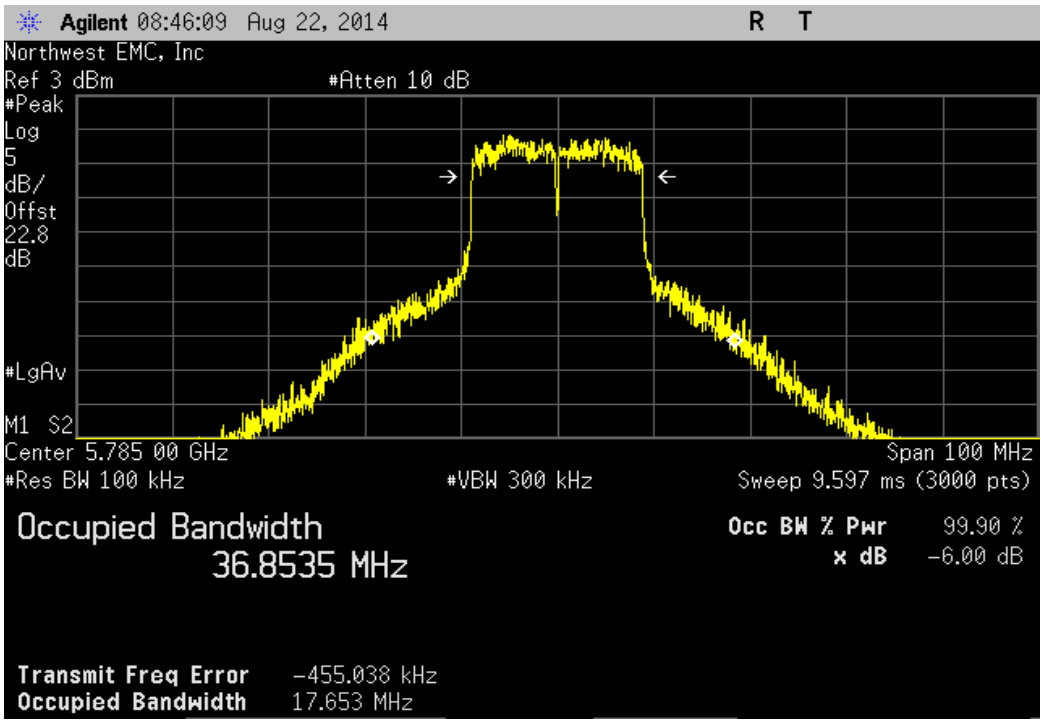
Port 2, 802.11(n) MCS0 - UNII, High Channel 165, 5825 MHz						
				Value	Limit (>)	Result
				17.654 MHz	500 kHz	Pass



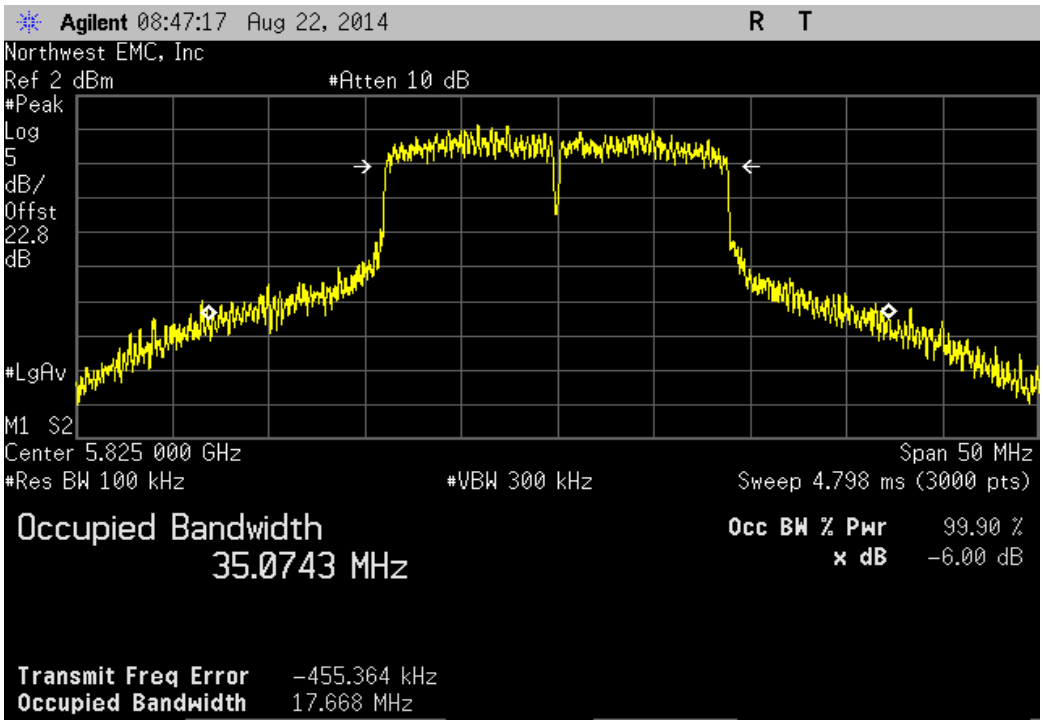
Port 2, 802.11(n) MCS7 - UNII, Low Channel 149, 5745 MHz						
				Value	Limit (>)	Result
				17.694 MHz	500 kHz	Pass



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

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

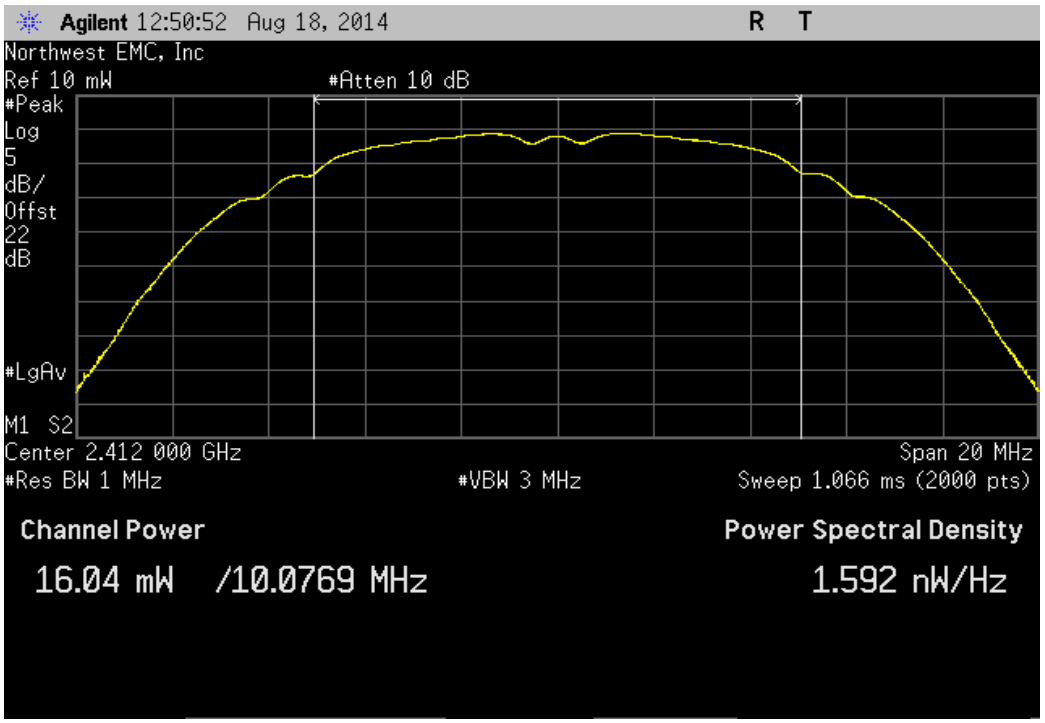
DEVIATIONS FROM TEST STANDARD

None

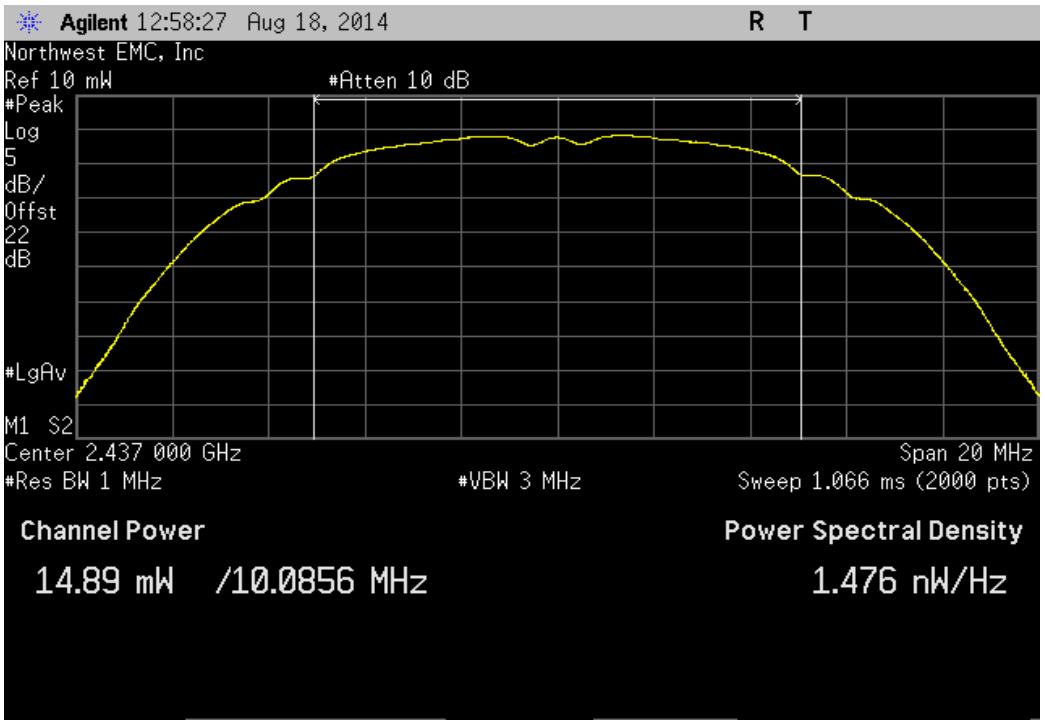
Configuration #	1	Signature	Trevor Buls

		Value	Limit (<)	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

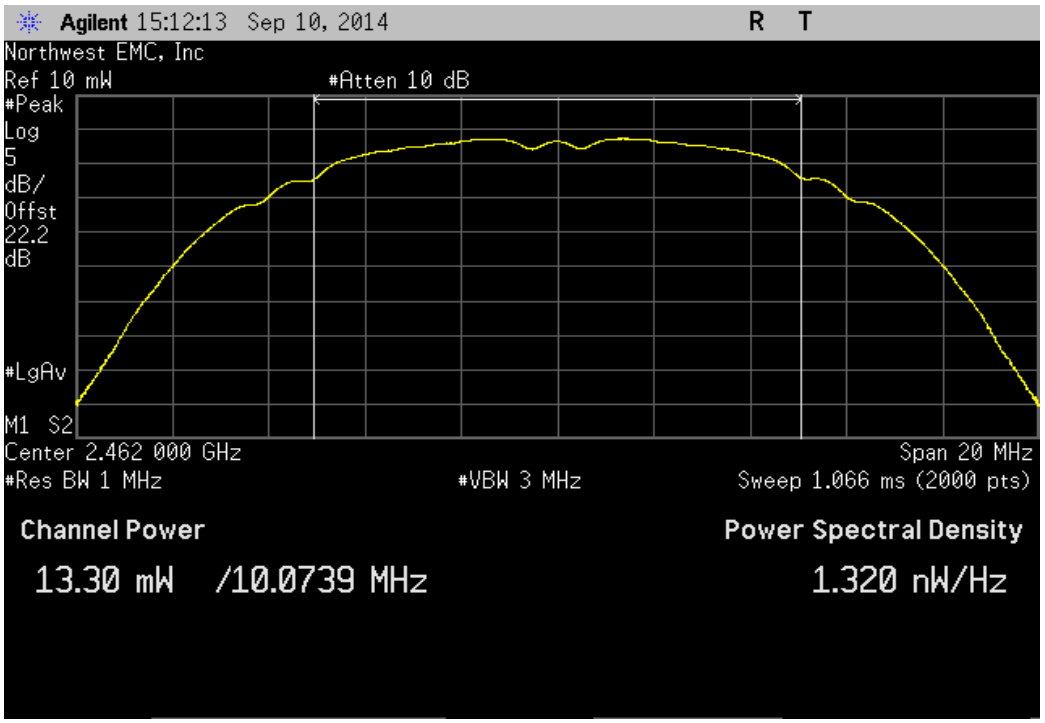
Port 1, 802.11(b) 1 Mbps, Low Channel 1, 2412 MHz						
				Value	Limit (<)	Result
				16.041 mW	1 W	Pass



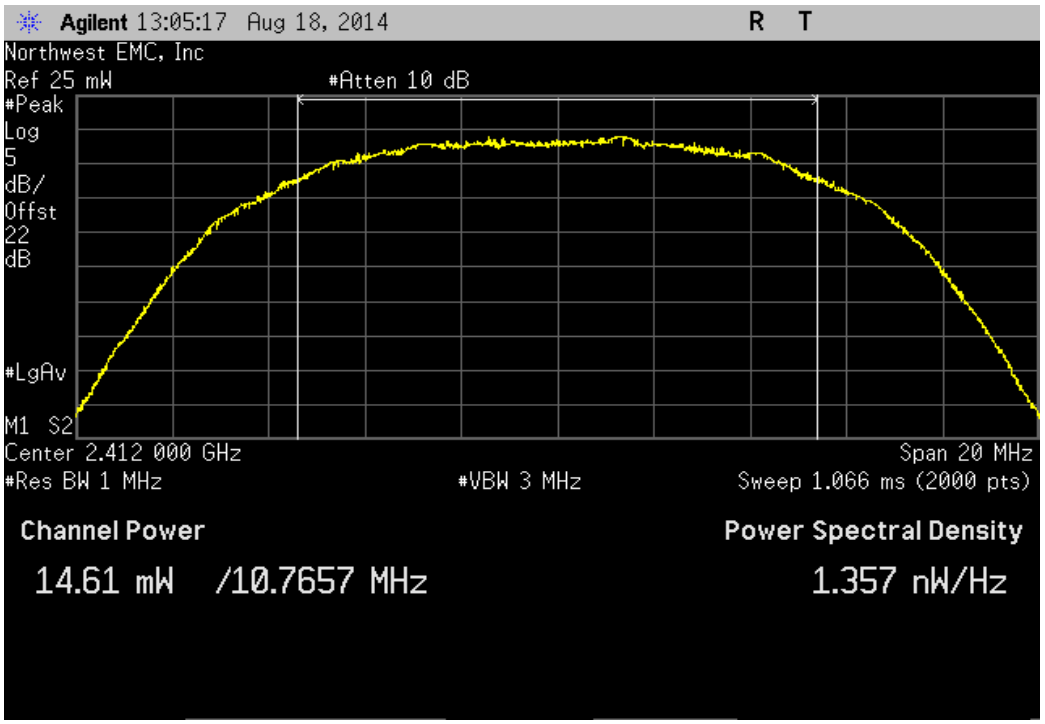
Port 1, 802.11(b) 1 Mbps, Mid Channel 6, 2437 MHz						
				Value	Limit (<)	Result
				14.891 mW	1 W	Pass



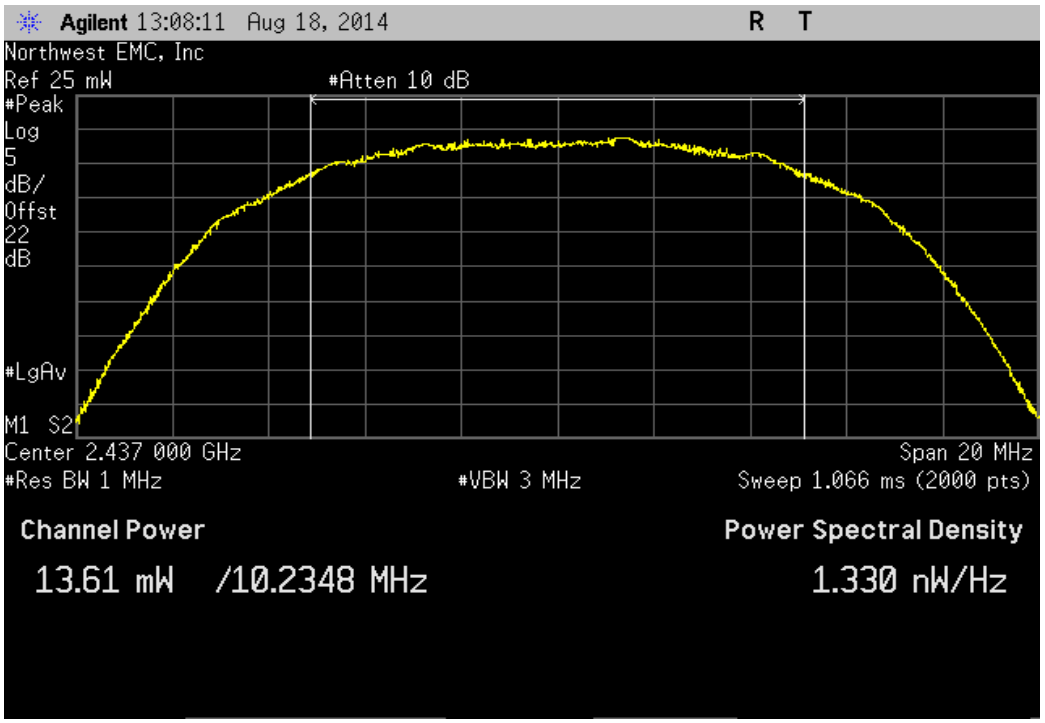
Port 1, 802.11(b) 1 Mbps, High Channel 11, 2462 MHz							
					Value	Limit (<)	Result
					13.297 mW	1 W	Pass



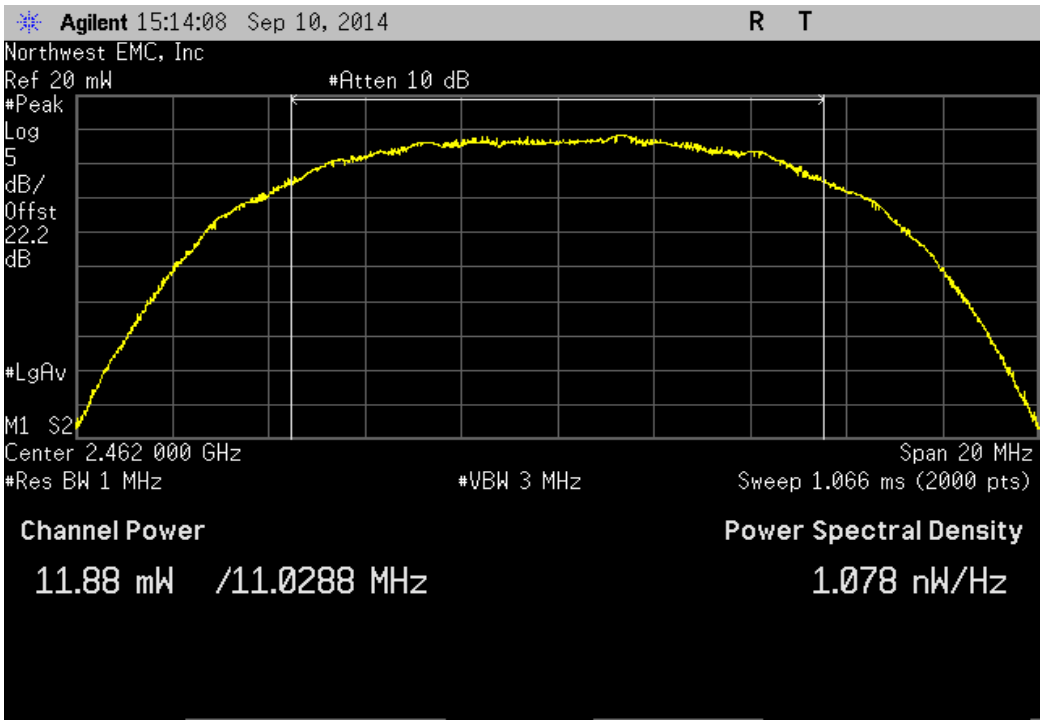
Port 1, 802.11(b) 11 Mbps, Low Channel 1, 2412 MHz							
					Value	Limit (<)	Result
					14.606 mW	1 W	Pass



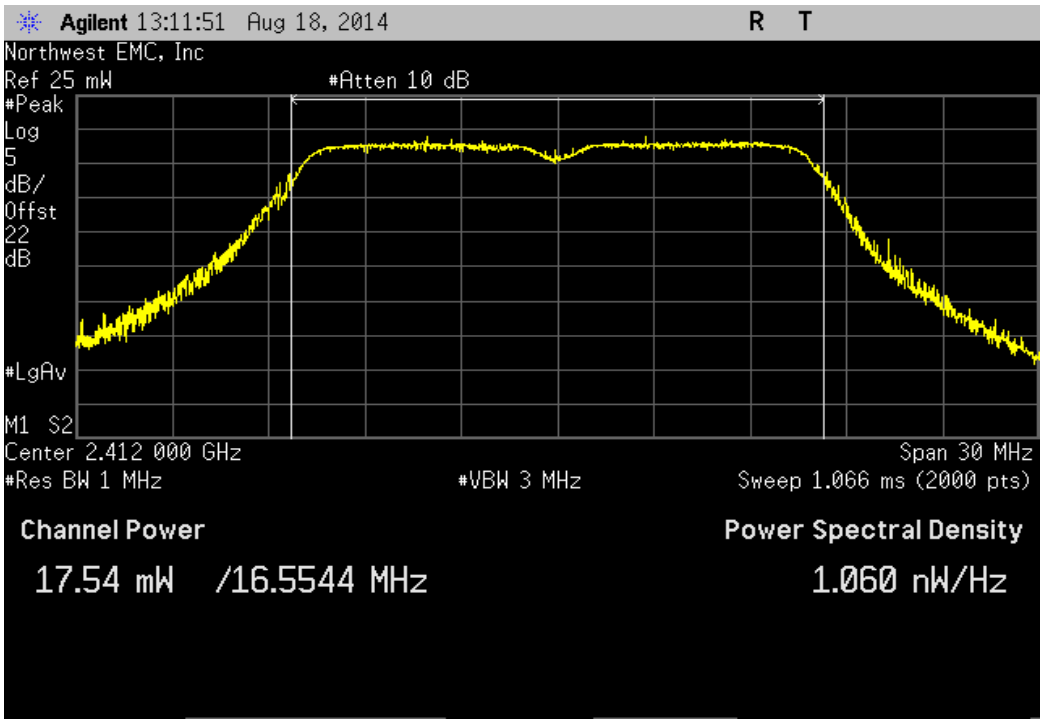
Port 1, 802.11(b) 11 Mbps, Mid Channel 6, 2437 MHz							
					Value	Limit (<)	Result
					13.615 mW	1 W	Pass



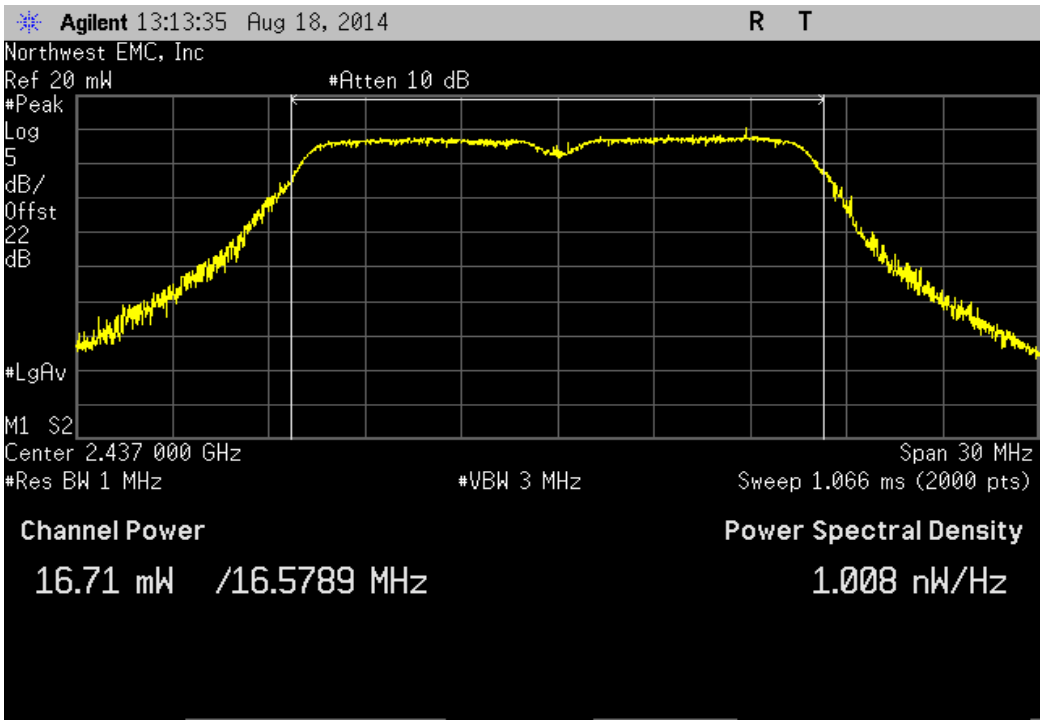
Port 1, 802.11(b) 11 Mbps, High Channel 11, 2462 MHz							
					Value	Limit (<)	Result
					11.884 mW	1 W	Pass



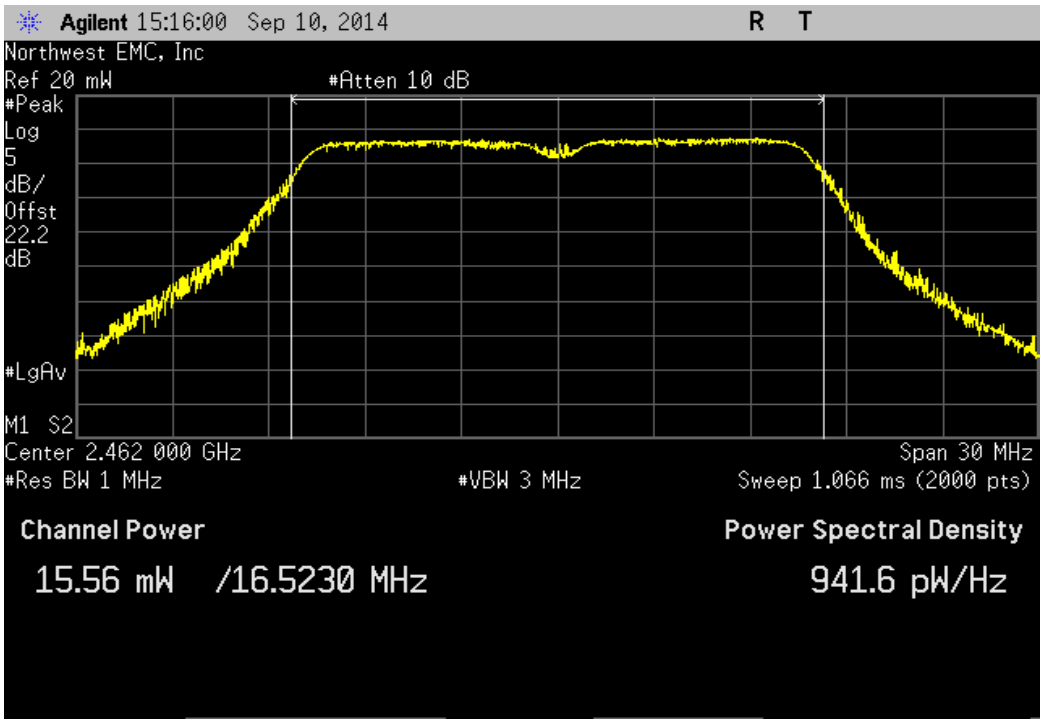
Port 1, 802.11(g) 6 Mbps, Low Channel 1, 2412 MHz						
				Value	Limit (<)	Result
				17.544 mW	1 W	Pass



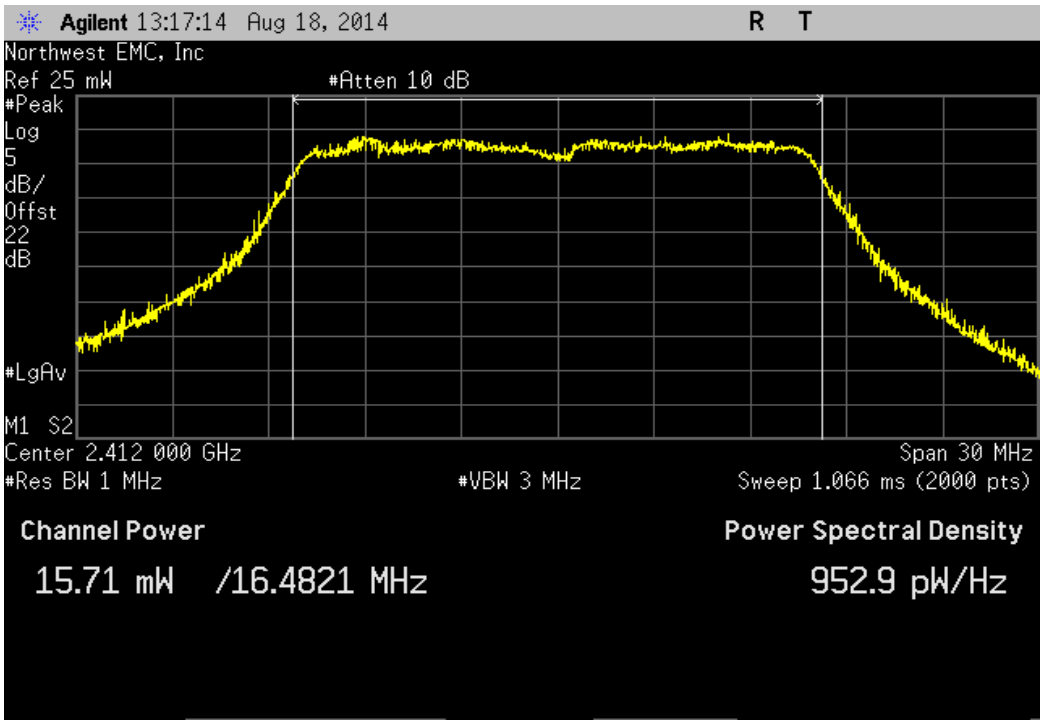
Port 1, 802.11(g) 6 Mbps, Mid Channel 6, 2437 MHz						
				Value	Limit (<)	Result
				16.709 mW	1 W	Pass



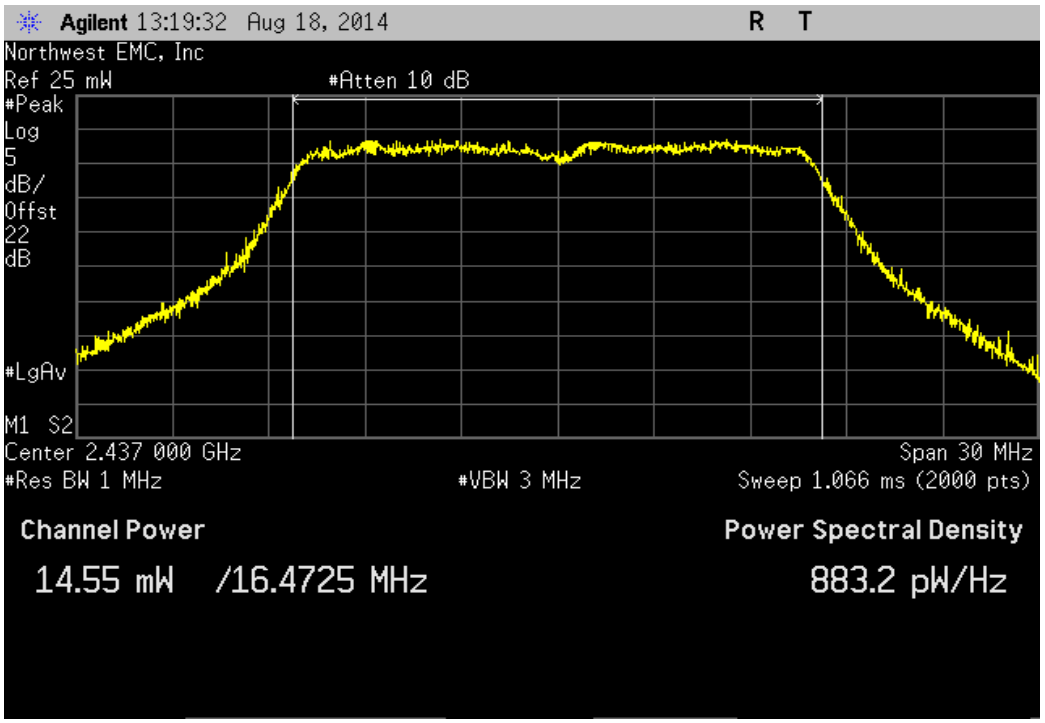
Port 1, 802.11(g) 6 Mbps, High Channel 11, 2462 MHz						
				Value	Limit (<)	Result
				15.558 mW	1 W	Pass



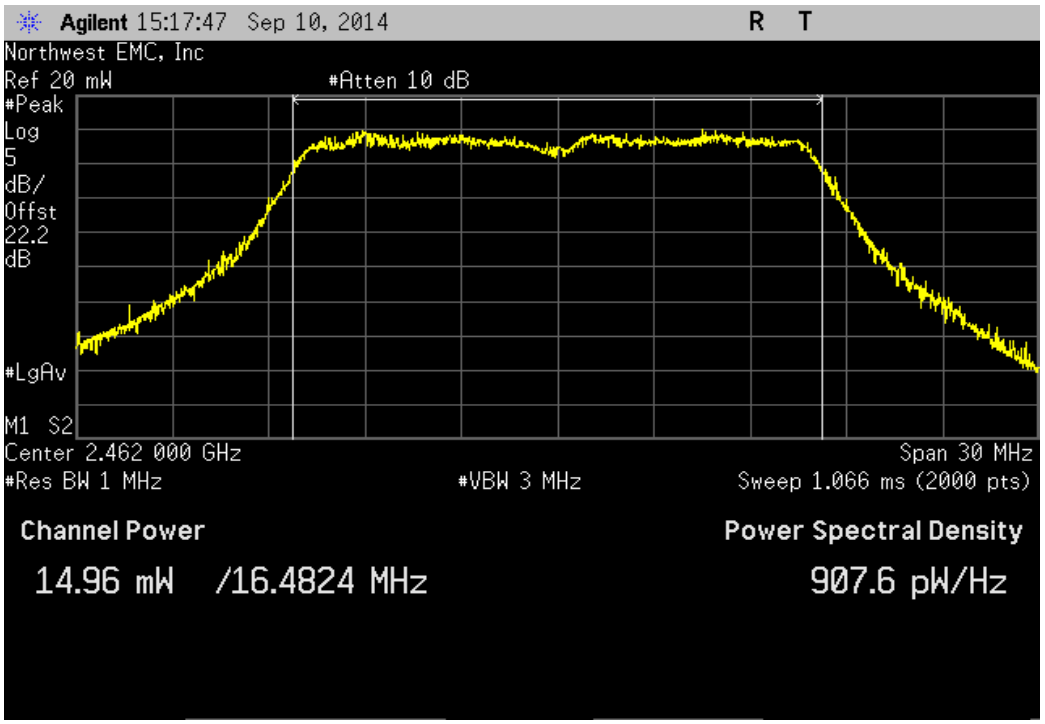
Port 1, 802.11(g) 36 Mbps, Low Channel 1, 2412 MHz						
				Value	Limit (<)	Result
				15.705 mW	1 W	Pass



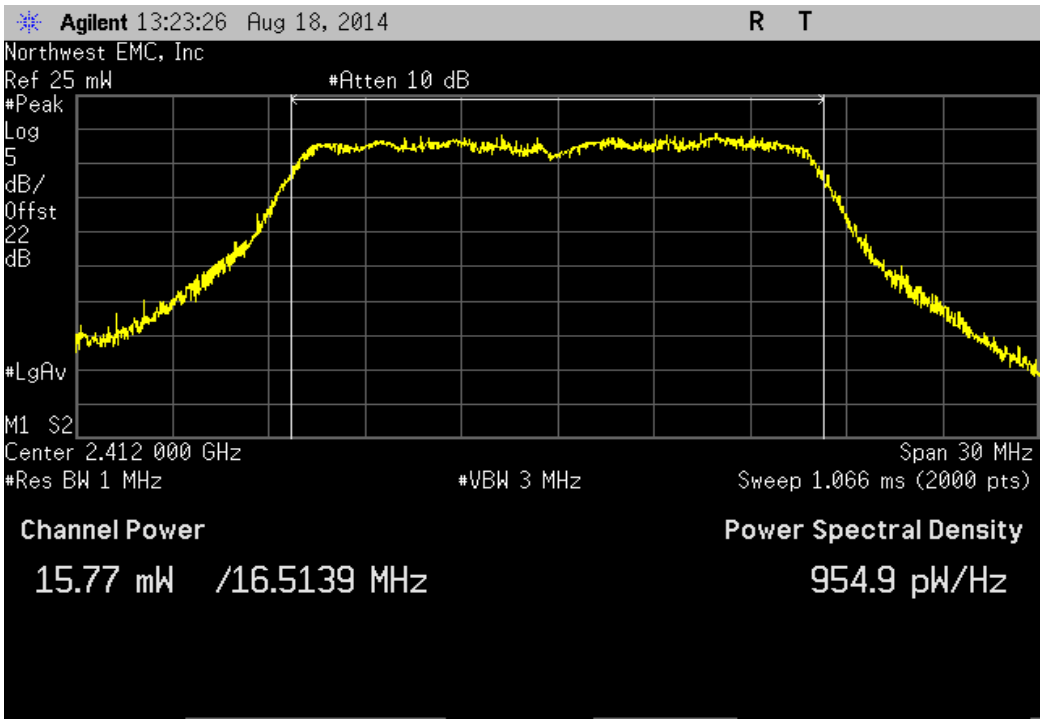
Port 1, 802.11(g) 36 Mbps, Mid Channel 6, 2437 MHz							
					Value	Limit (<)	Result
					14.549 mW	1 W	Pass



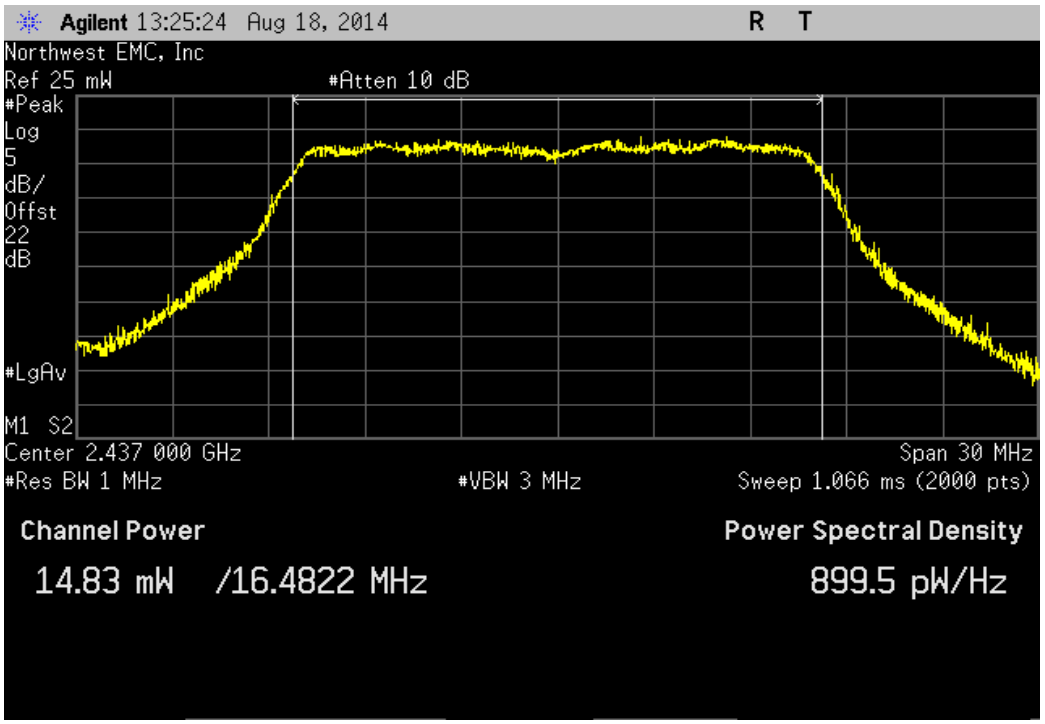
Port 1, 802.11(g) 36 Mbps, High Channel 11, 2462 MHz							
					Value	Limit (<)	Result
					14.959 mW	1 W	Pass



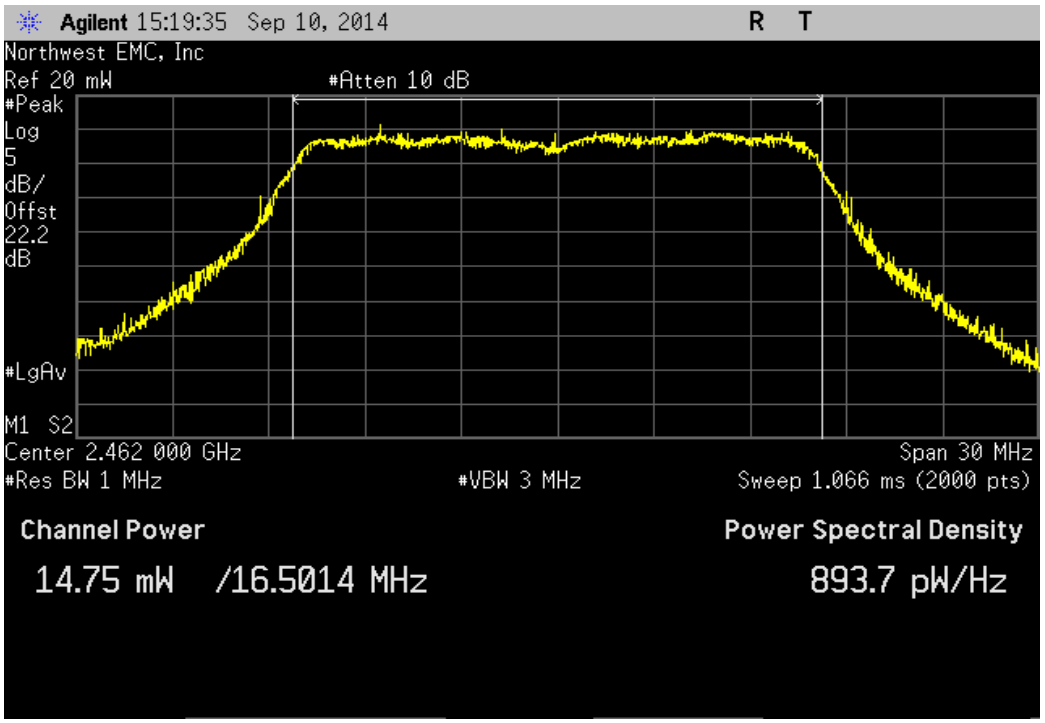
Port 1, 802.11(g) 54 Mbps, Low Channel 1, 2412 MHz						
				Value	Limit (<)	Result
				15.77 mW	1 W	Pass



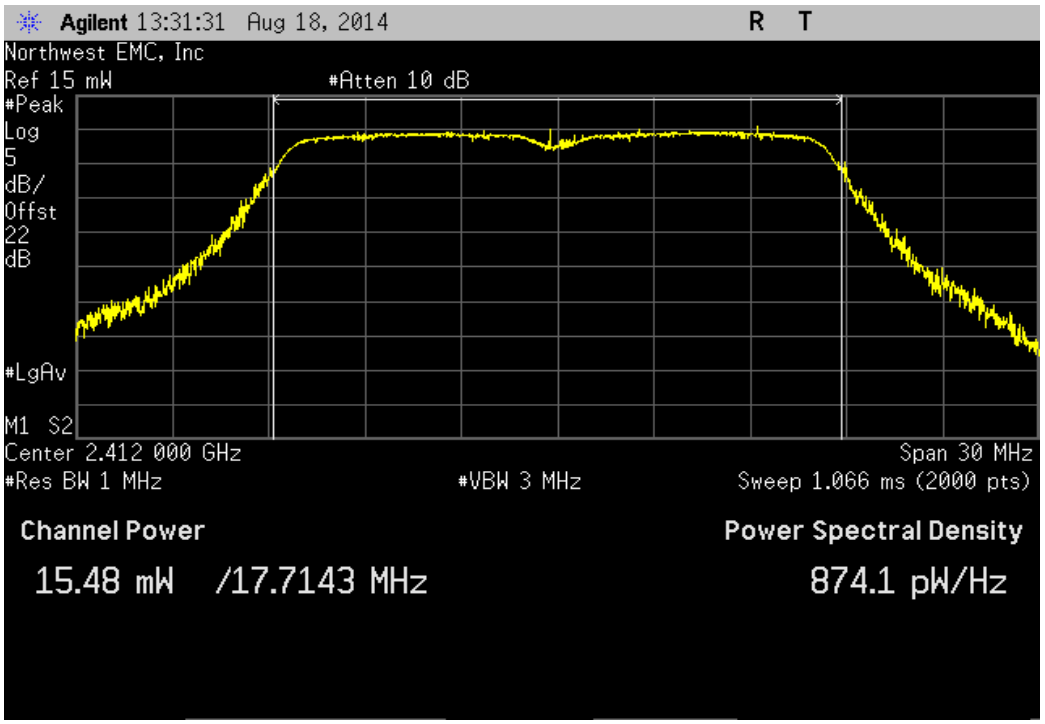
Port 1, 802.11(g) 54 Mbps, Mid Channel 6, 2437 MHz						
				Value	Limit (<)	Result
				14.825 mW	1 W	Pass



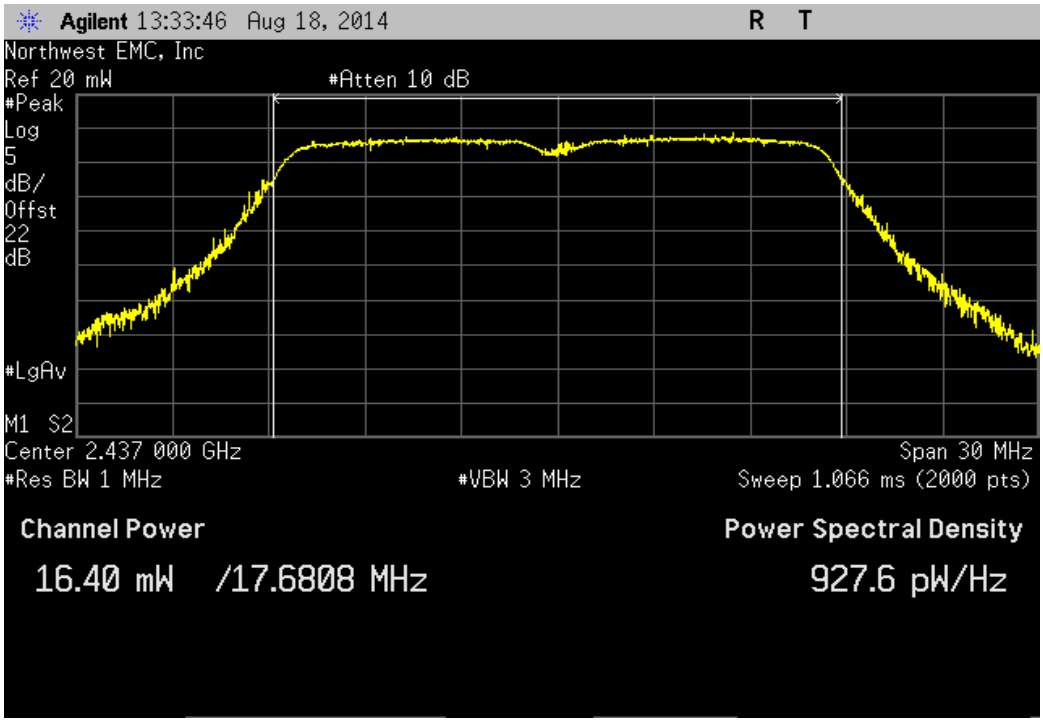
Port 1, 802.11(g) 54 Mbps, High Channel 11, 2462 MHz						
				Value	Limit (<)	Result
				14.747 mW	1 W	Pass



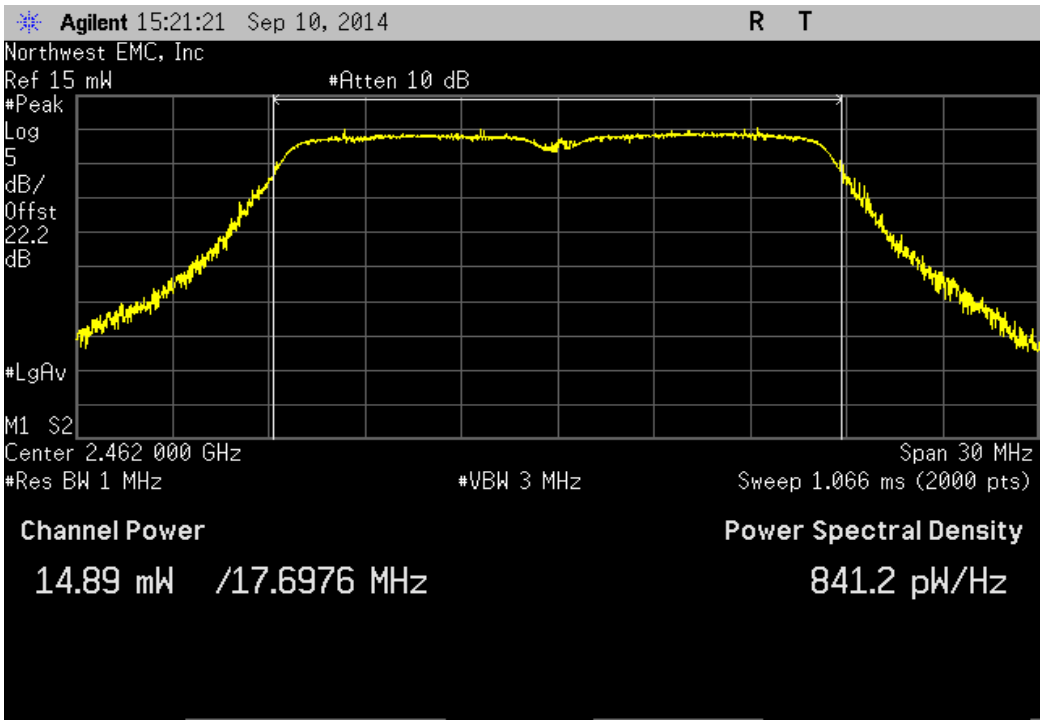
Port 1, 802.11(n) MCS0, Low Channel 1, 2412 MHz						
				Value	Limit (<)	Result
				15.485 mW	1 W	Pass



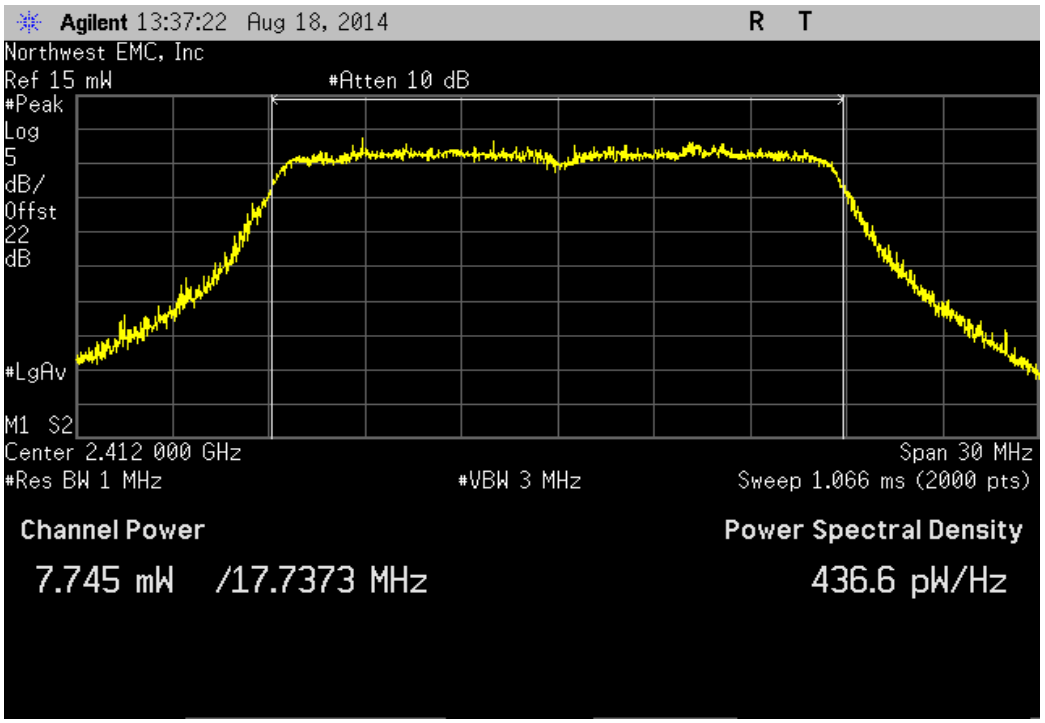
Port 1, 802.11(n) MCS0, Mid Channel 6, 2437 MHz							
					Value	Limit (<)	Result
					16.401 mW	1 W	Pass



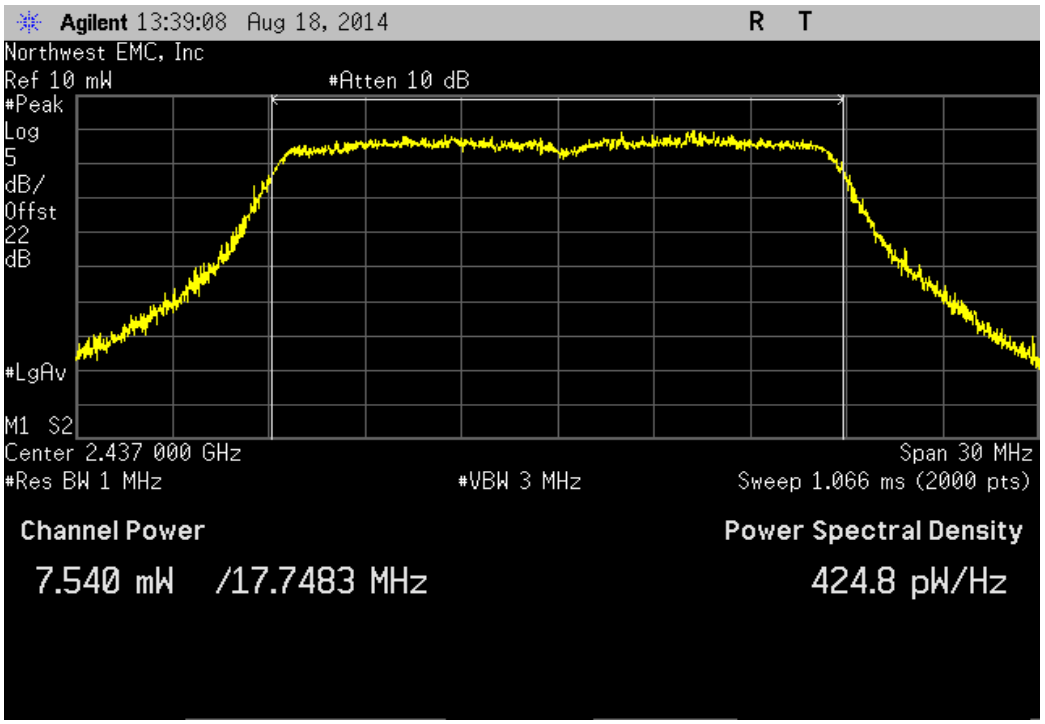
Port 1, 802.11(n) MCS0, High Channel 11, 2462 MHz							
					Value	Limit (<)	Result
					14.887 mW	1 W	Pass



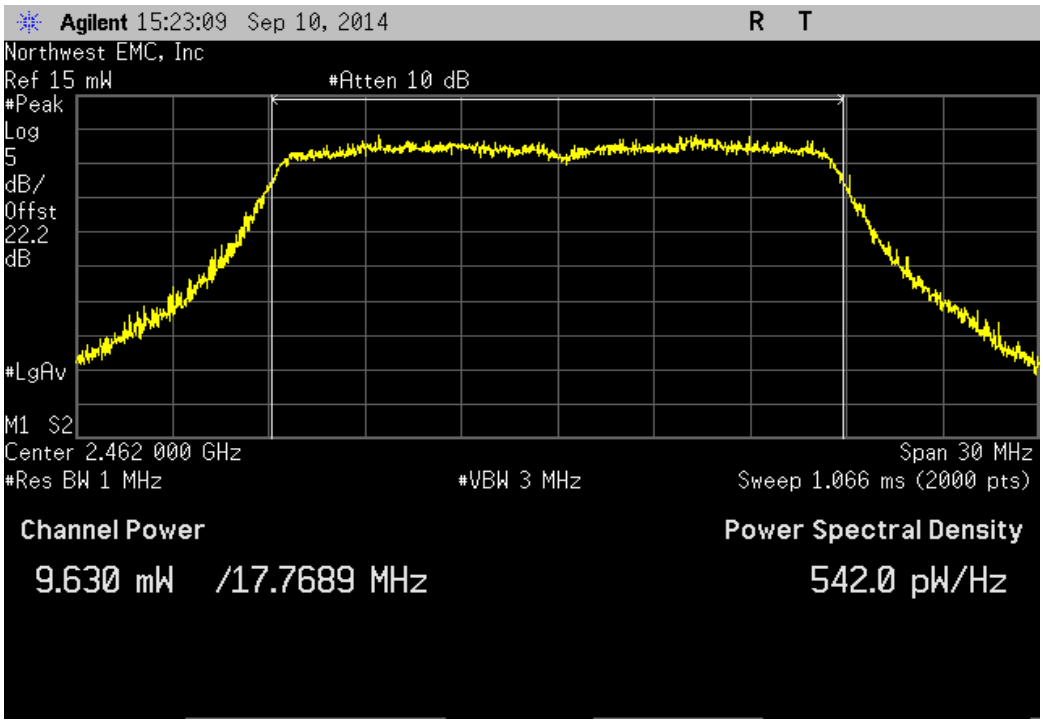
Port 1, 802.11(n) MCS7, Low Channel 1, 2412 MHz						
				Value	Limit (<)	Result
				7.745 mW	1 W	Pass



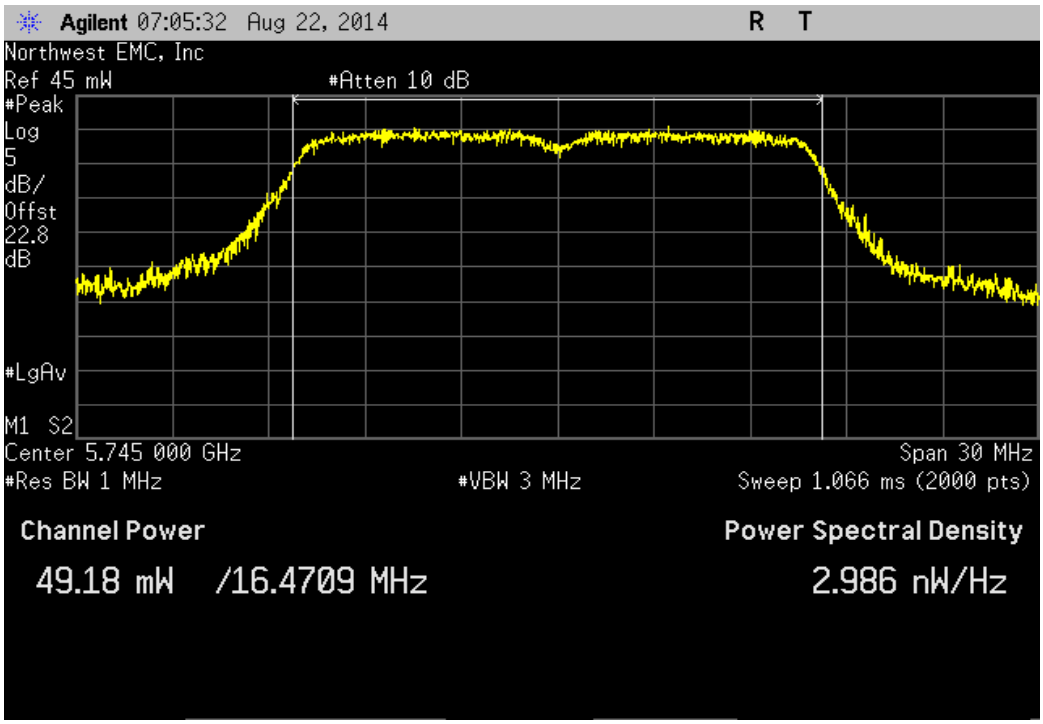
Port 1, 802.11(n) MCS7, Mid Channel 6, 2437 MHz						
				Value	Limit (<)	Result
				7.54 mW	1 W	Pass



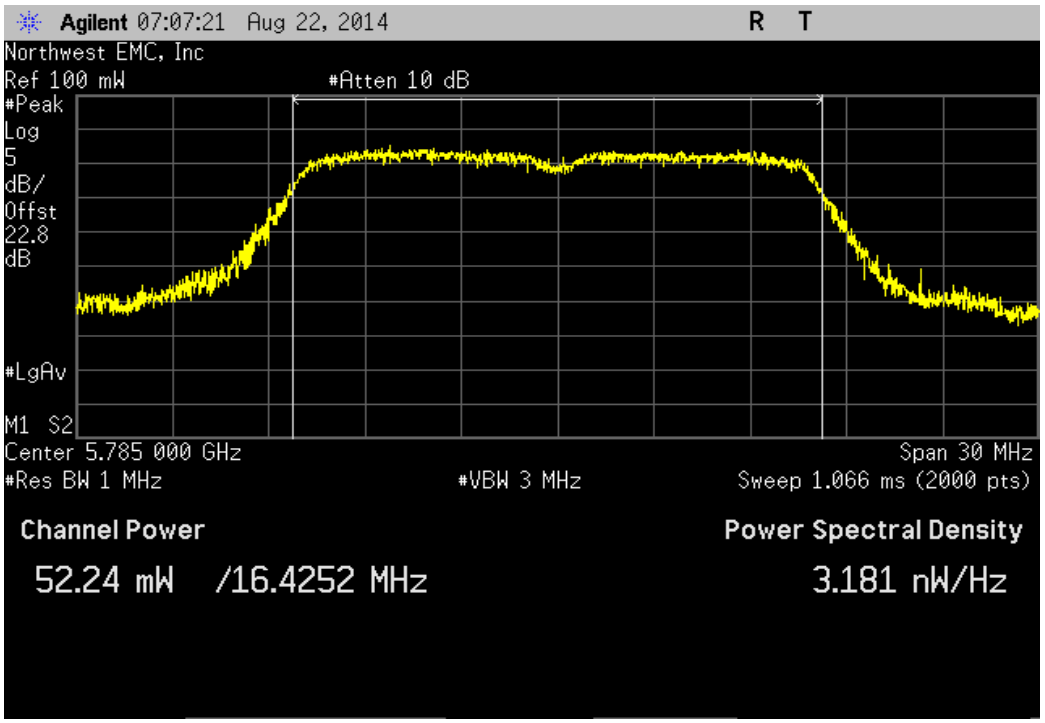
Port 1, 802.11(n) MCS7, High Channel 11, 2462 MHz							
					Value	Limit (<)	Result
					9.63 mW	1 W	Pass



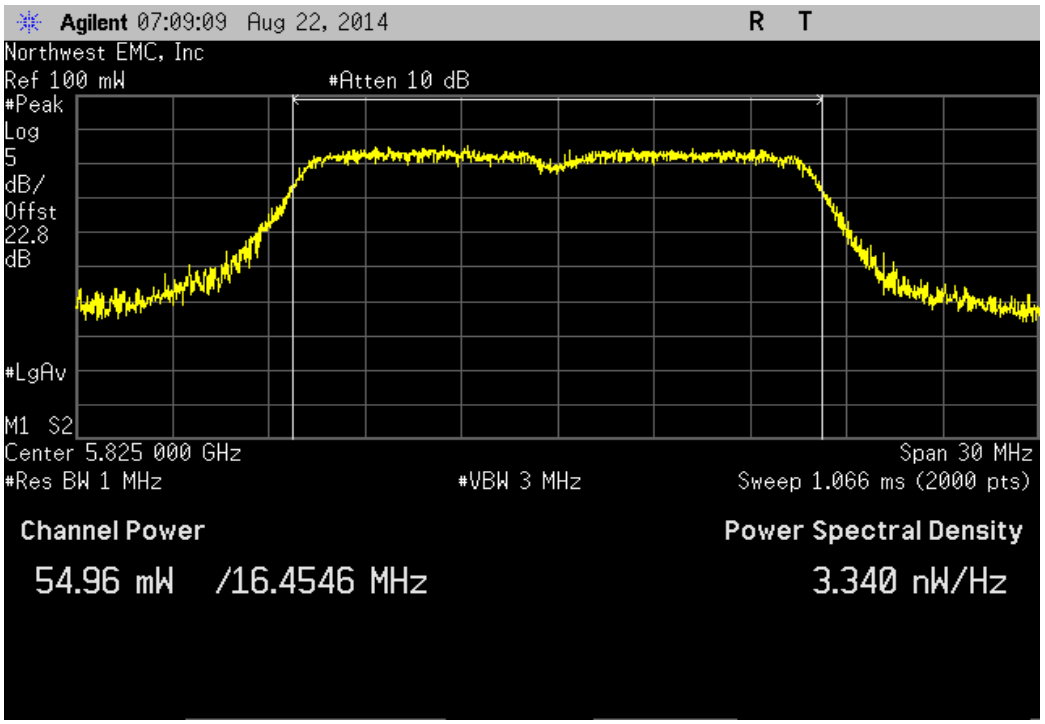
Port 1, 802.11(a) 6 Mbps, Low Channel 149, 5745 MHz							
					Value	Limit (<)	Result
					49.182 mW	1 W	Pass



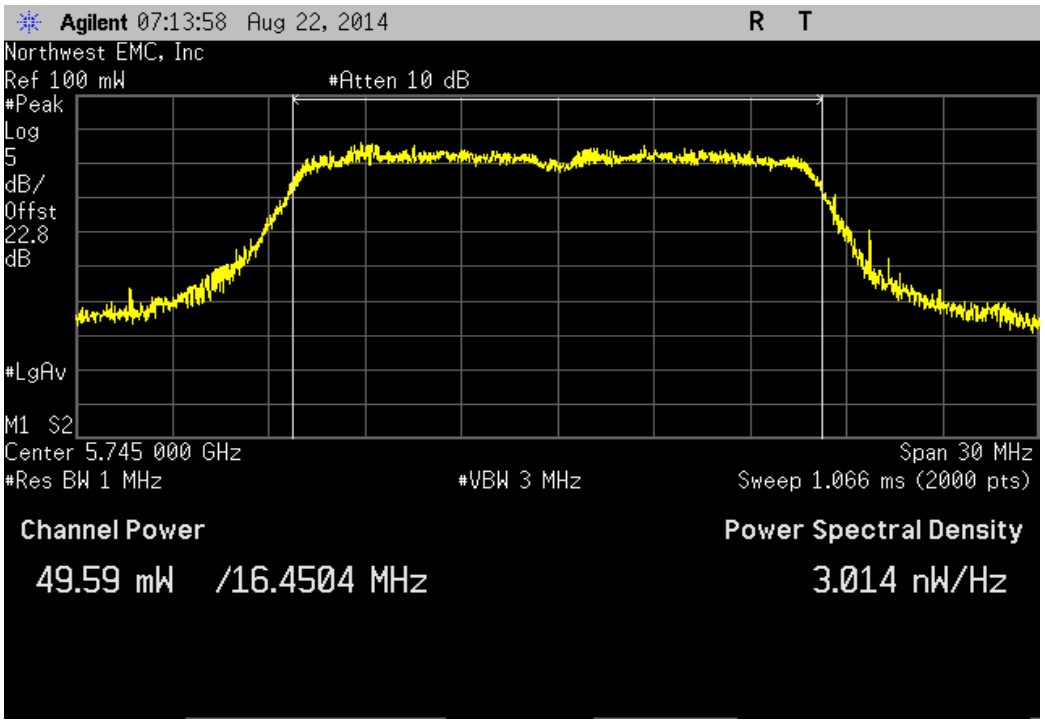
Port 1, 802.11(a) 6 Mbps, Mid Channel 157, 5785 MHz						
				Value	Limit (<)	Result
				52.244 mW	1 W	Pass



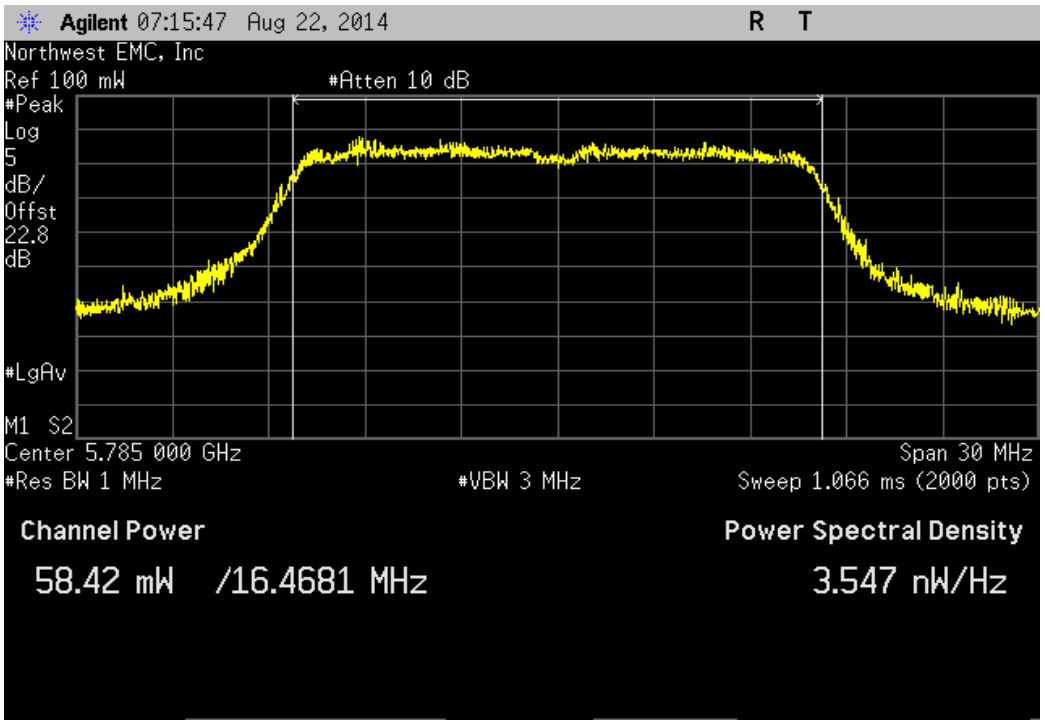
Port 1, 802.11(a) 6 Mbps, High Channel 165, 5825 MHz						
				Value	Limit (<)	Result
				54.96 mW	1 W	Pass



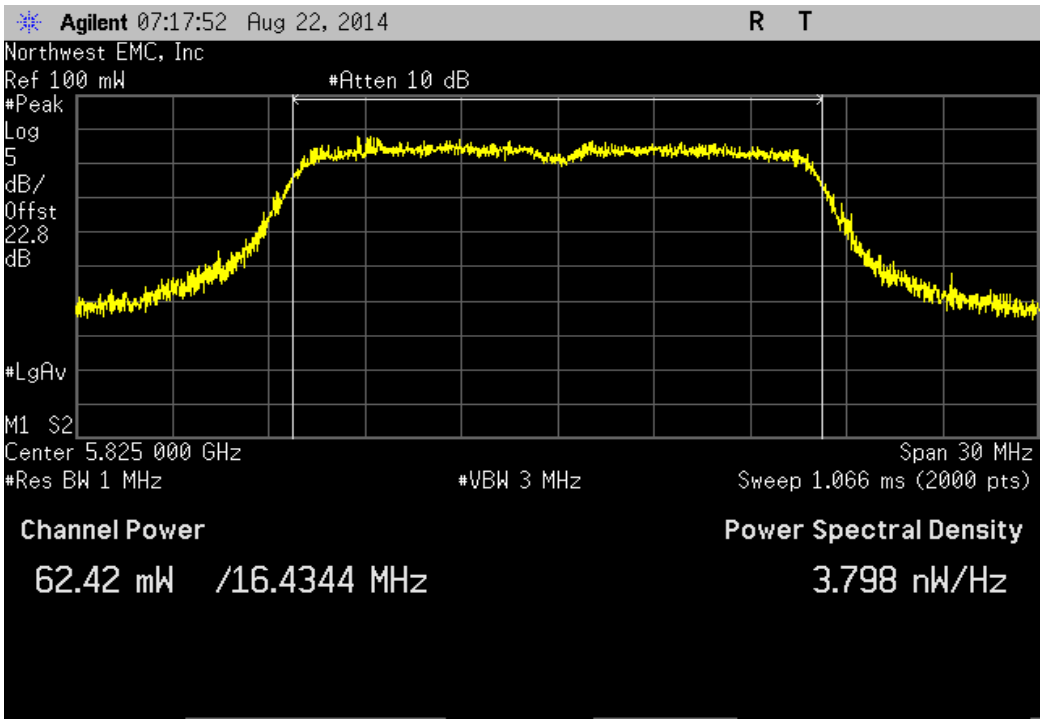
Port 1, 802.11(a) 36 Mbps, Low Channel 149, 5745 MHz						
				Value	Limit (<)	Result
				49.586 mW	1 W	Pass



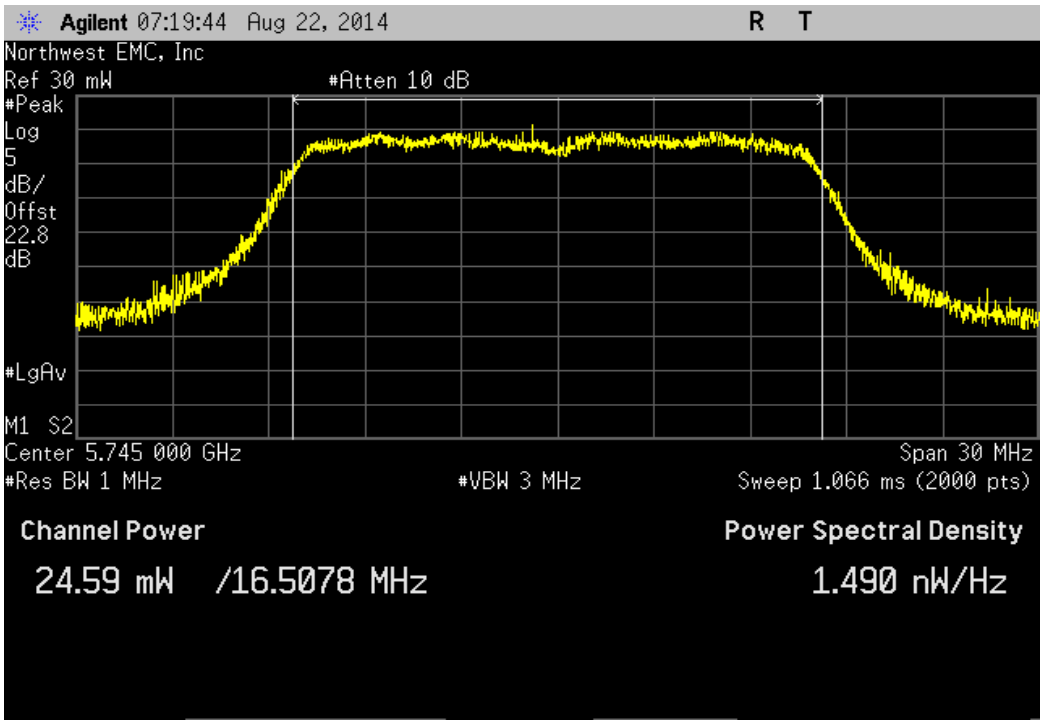
Port 1, 802.11(a) 36 Mbps, Mid Channel 157, 5785 MHz						
				Value	Limit (<)	Result
				58.417 mW	1 W	Pass



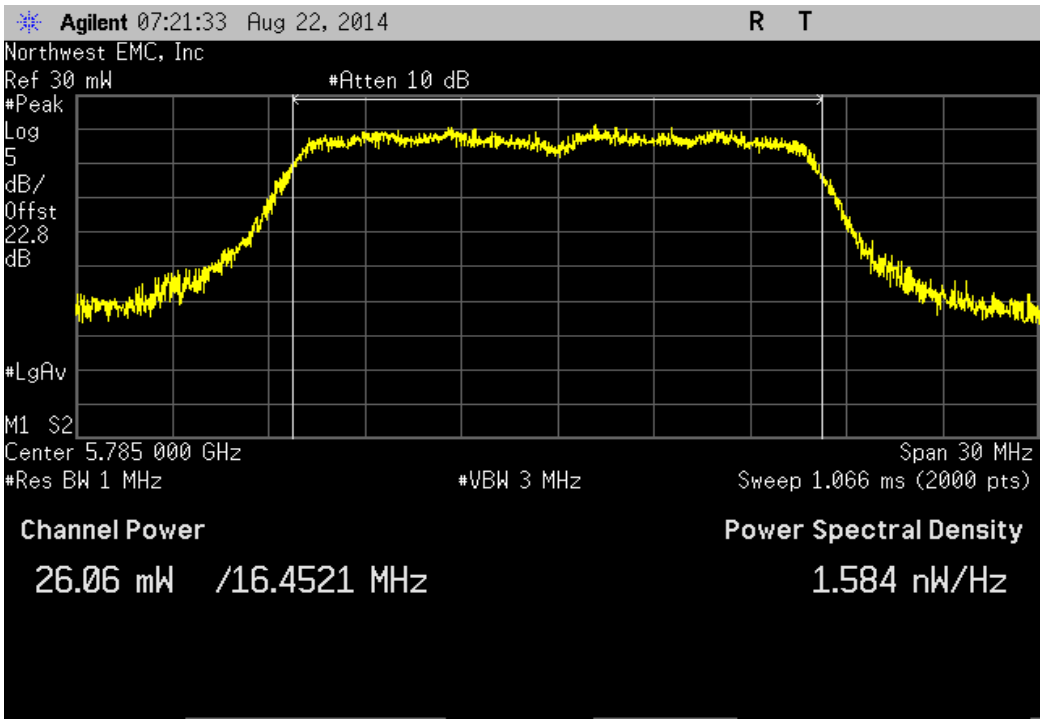
Port 1, 802.11(a) 36 Mbps, High Channel 165, 5825 MHz						
				Value	Limit (<)	Result
				62.423 mW	1 W	Pass



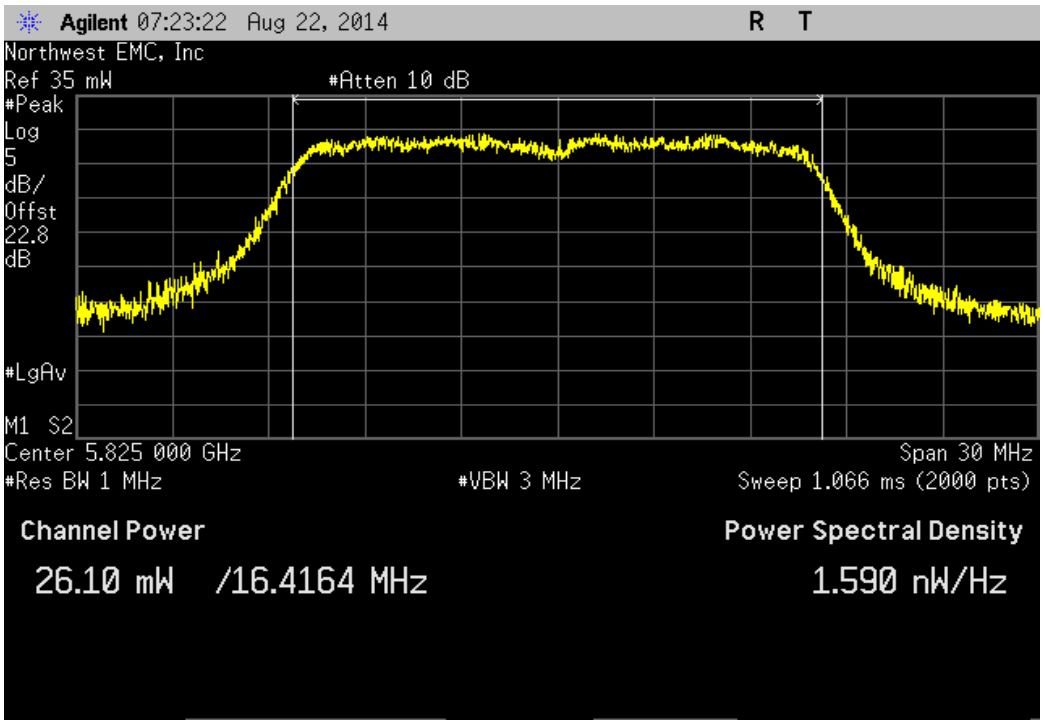
Port 1, 802.11(a) 54 Mbps, Low Channel 149, 5745 MHz						
				Value	Limit (<)	Result
				24.59 mW	1 W	Pass



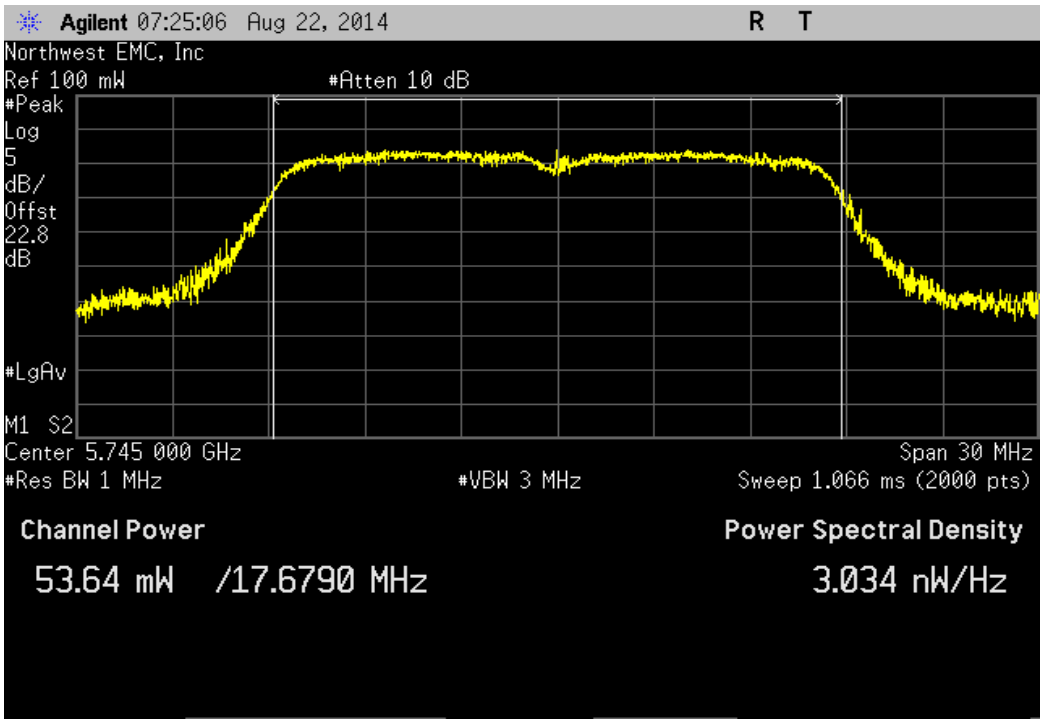
Port 1, 802.11(a) 54 Mbps, Mid Channel 157, 5785 MHz						
				Value	Limit (<)	Result
				26.061 mW	1 W	Pass



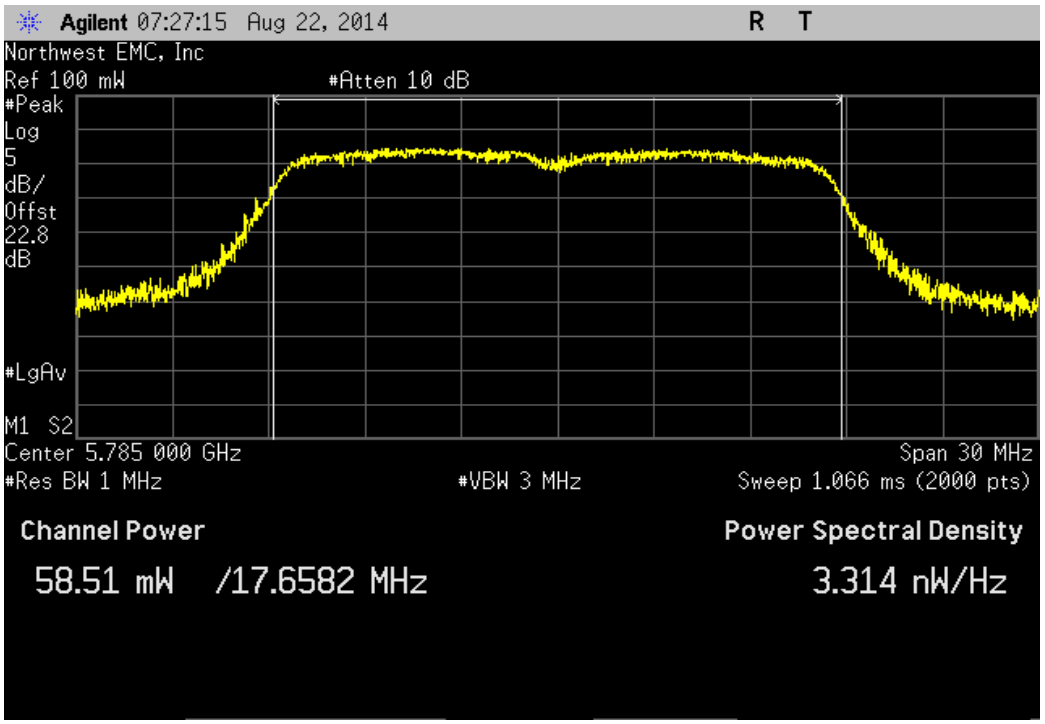
Port 1, 802.11(a) 54 Mbps, High Channel 165, 5825 MHz						
				Value	Limit (<)	Result
				26.097 mW	1 W	Pass



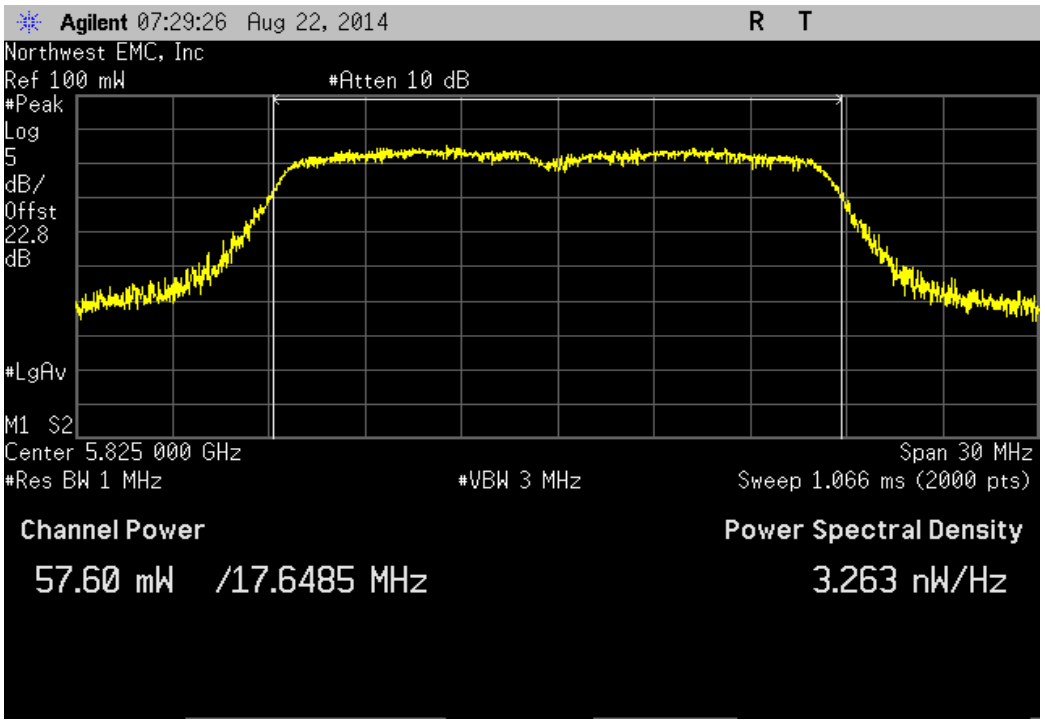
Port 1, 802.11(n) MCS0 - UNII, Low Channel 149, 5745 MHz						
				Value	Limit (<)	Result
				53.639 mW	1 W	Pass



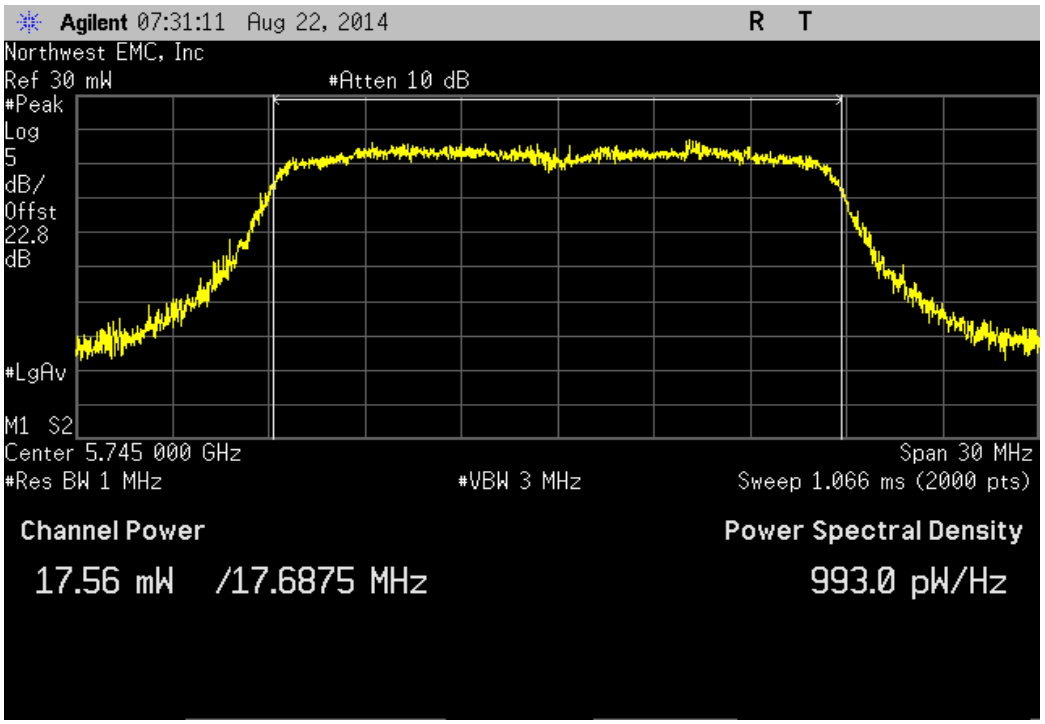
Port 1, 802.11(n) MCS0 - UNII, Mid Channel 157, 5785 MHz						
				Value	Limit (<)	Result
				58.514 mW	1 W	Pass



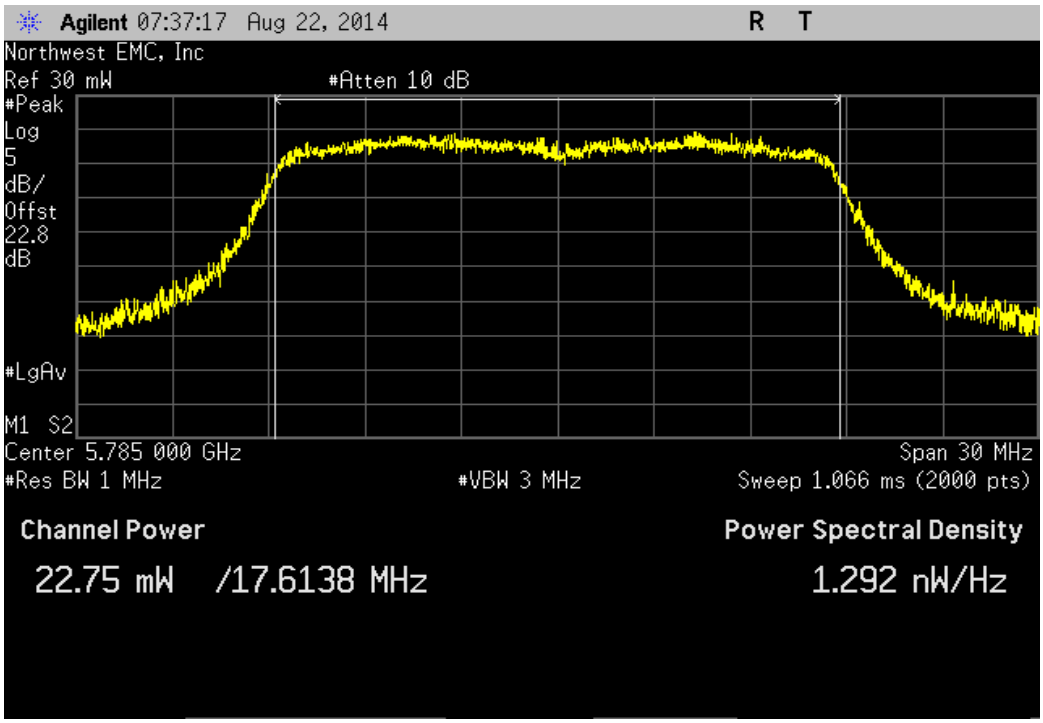
Port 1, 802.11(n) MCS0 - UNII, High Channel 165, 5825 MHz						
				Value	Limit (<)	Result
				57.596 mW	1 W	Pass



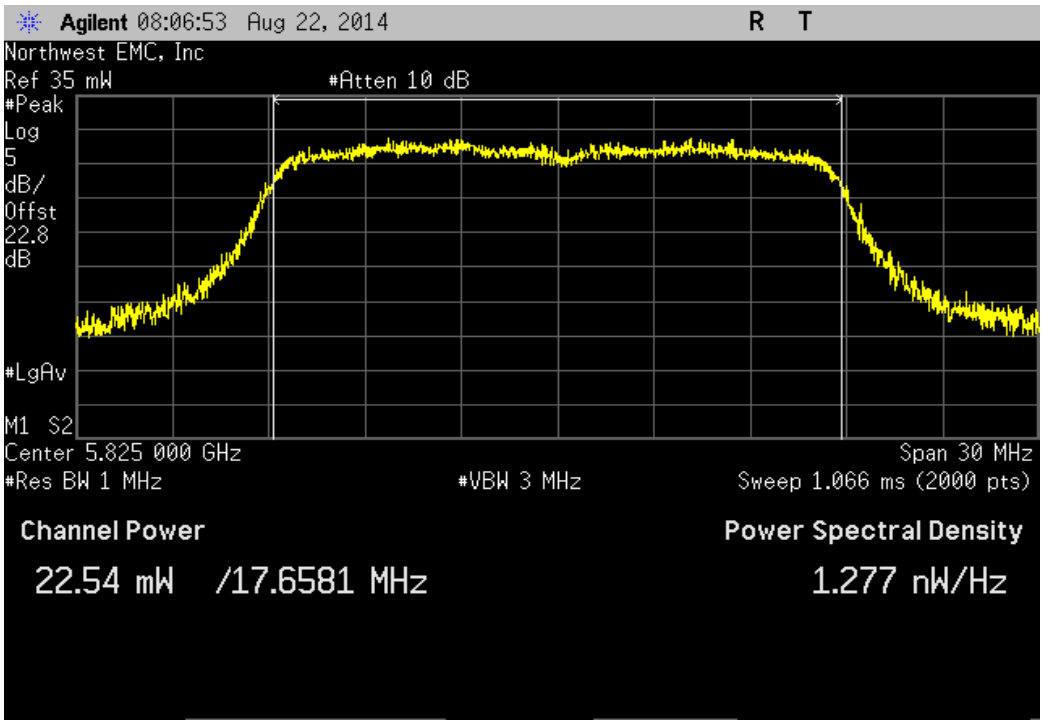
Port 1, 802.11(n) MCS7 - UNII, Low Channel 149, 5745 MHz						
				Value	Limit (<)	Result
				17.564 mW	1 W	Pass



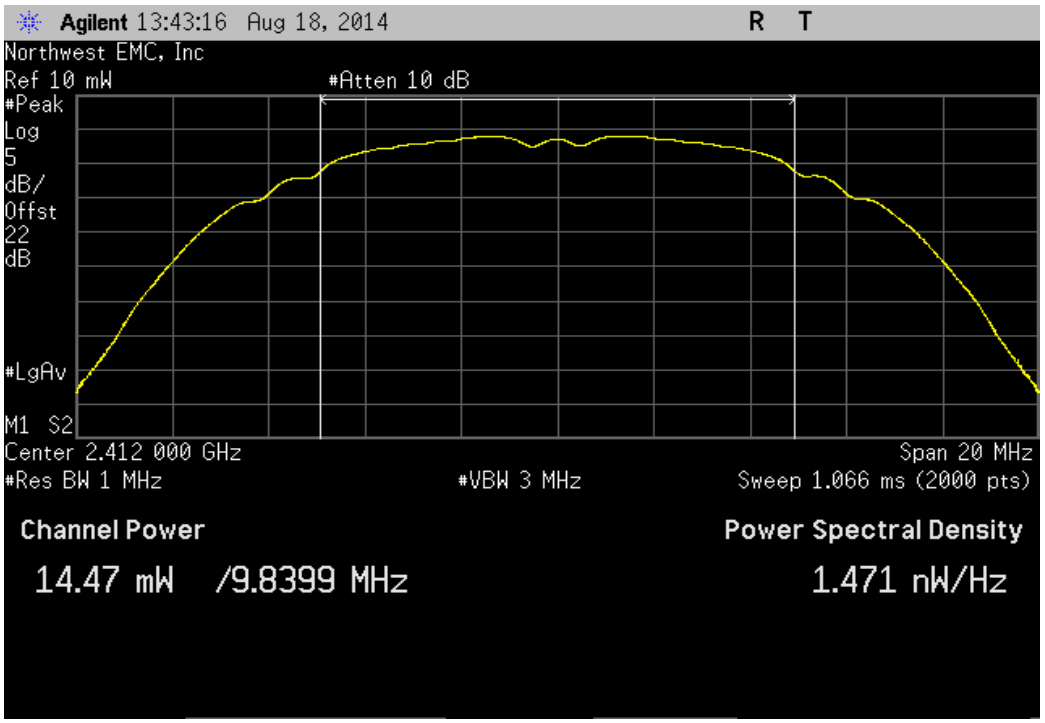
Port 1, 802.11(n) MCS7 - UNII, Mid Channel 157, 5785 MHz							
					Value	Limit (<)	Result
					22.751 mW	1 W	Pass



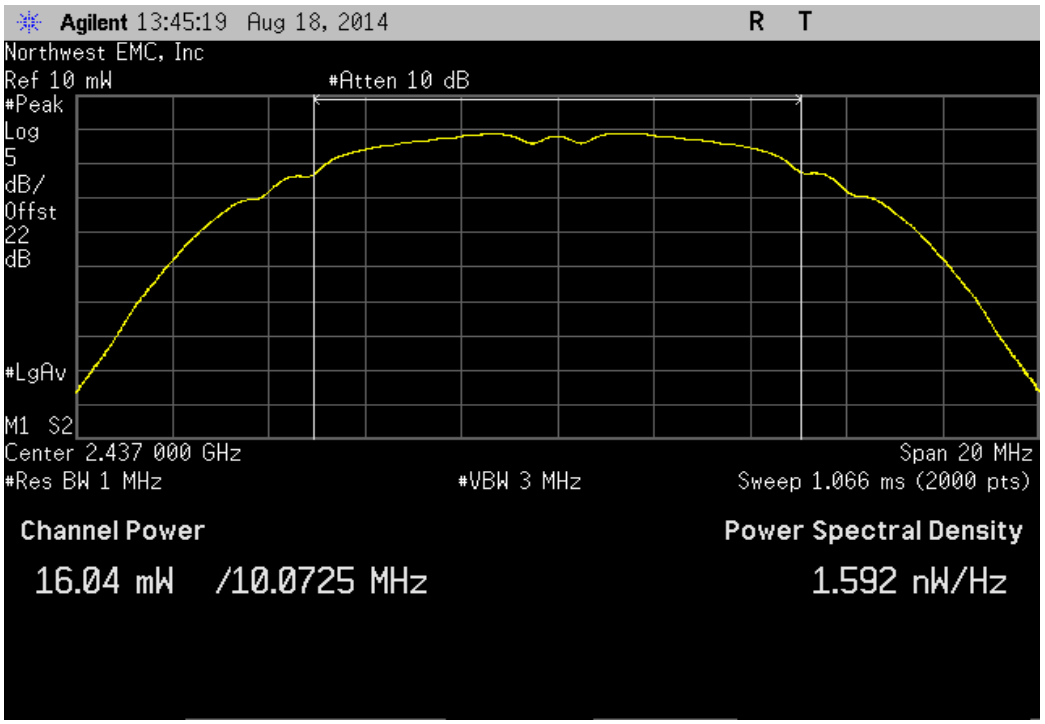
Port 1, 802.11(n) MCS7 - UNII, High Channel 165, 5825 MHz							
					Value	Limit (<)	Result
					22.544 mW	1 W	Pass



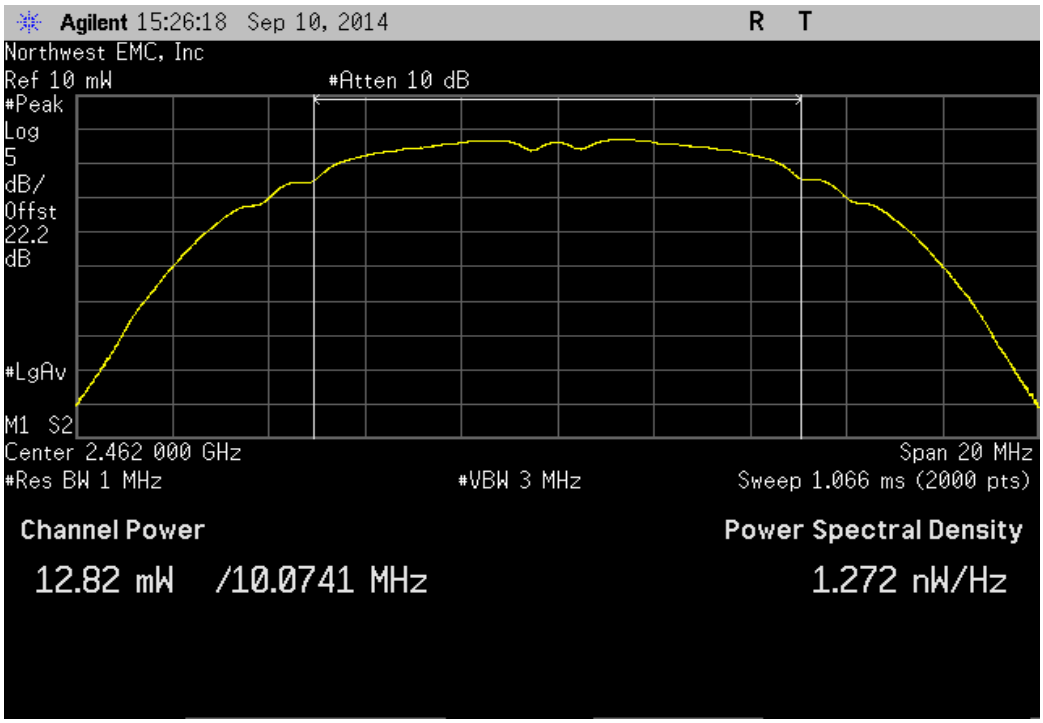
Port 2, 802.11(b) 1 Mbps, Low Channel 1, 2412 MHz						
				Value	Limit (<)	Result
				14.471 mW	1 W	Pass



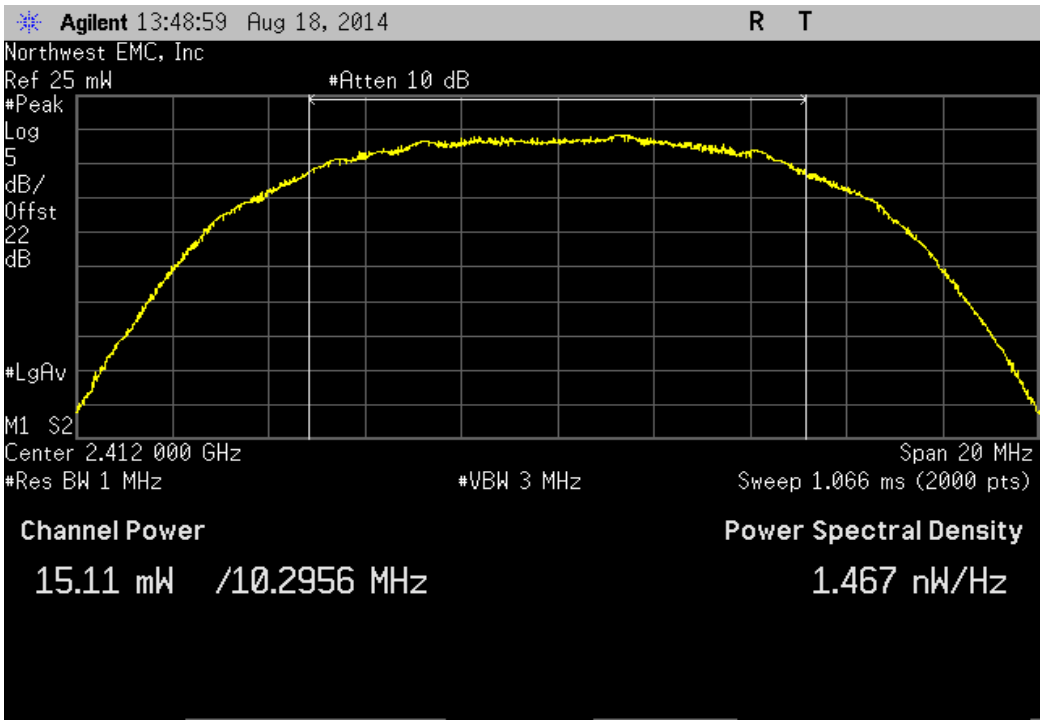
Port 2, 802.11(b) 1 Mbps, Mid Channel 6, 2437 MHz						
				Value	Limit (<)	Result
				16.037 mW	1 W	Pass



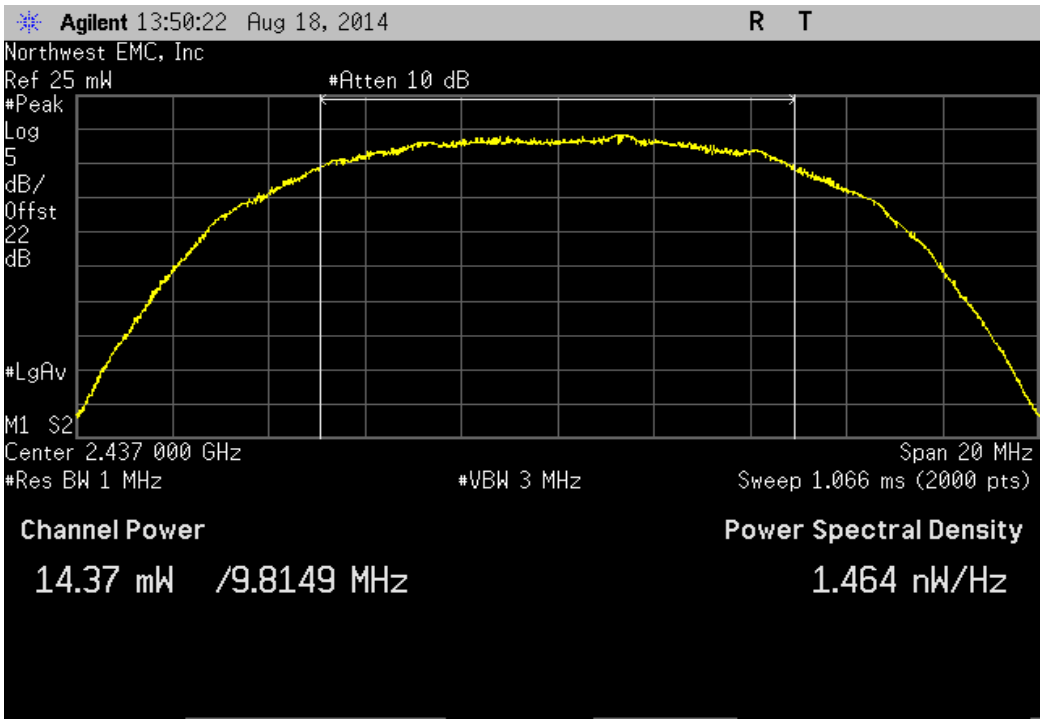
Port 2, 802.11(b) 1 Mbps, High Channel 11, 2462 MHz						
				Value	Limit (<)	Result
				12.816 mW	1 W	Pass



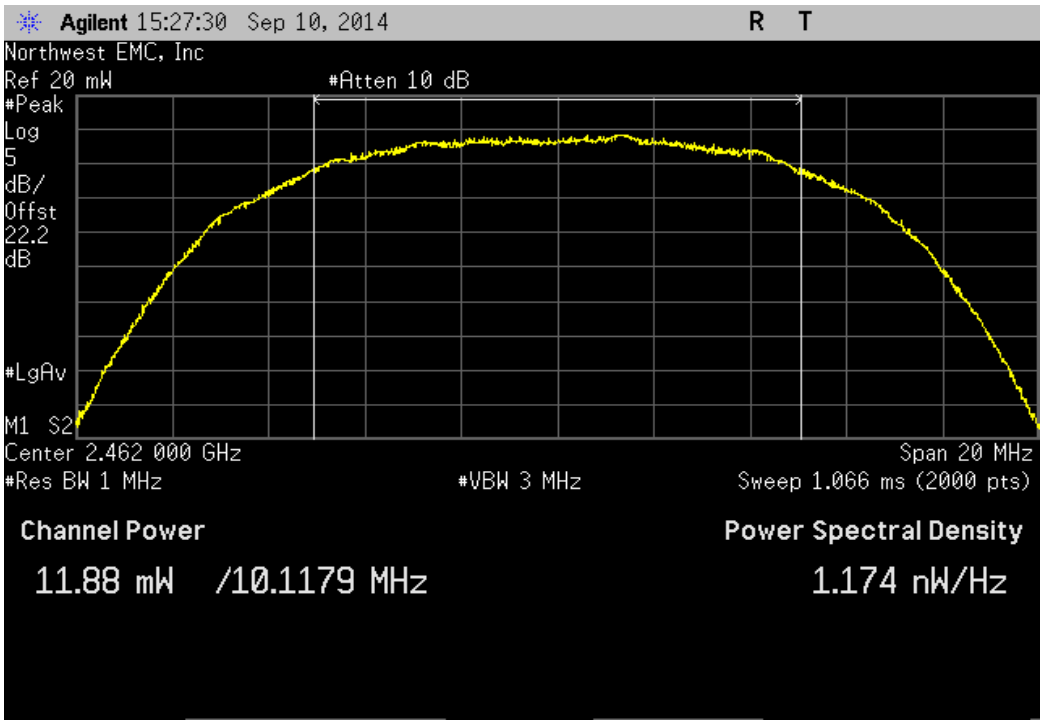
Port 2, 802.11(b) 11 Mbps, Low Channel 1, 2412 MHz						
				Value	Limit (<)	Result
				15.108 mW	1 W	Pass



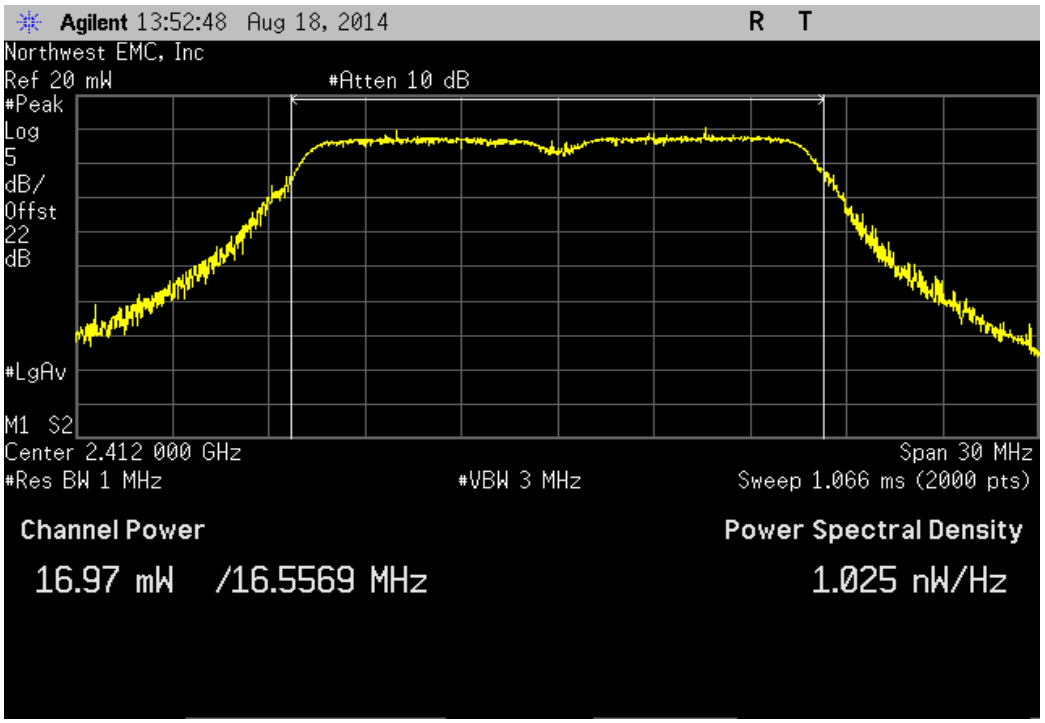
Port 2, 802.11(b) 11 Mbps, Mid Channel 6, 2437 MHz							
					Value	Limit (<)	Result
					14.37 mW	1 W	Pass



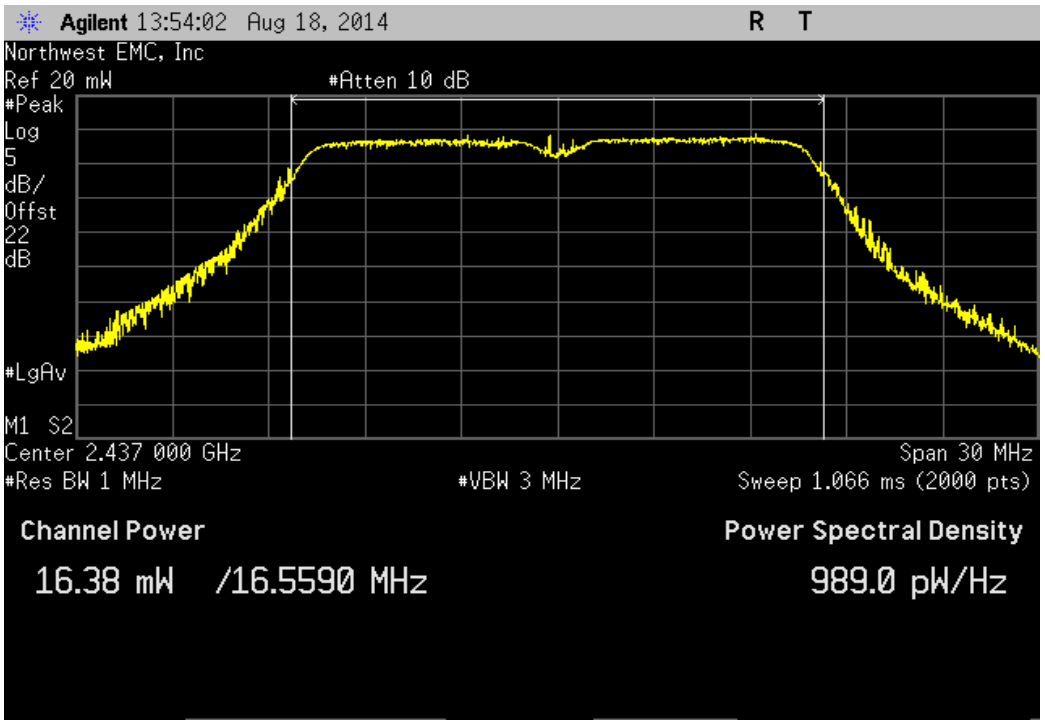
Port 2, 802.11(b) 11 Mbps, High Channel 11, 2462 MHz							
					Value	Limit (<)	Result
					11.875 mW	1 W	Pass



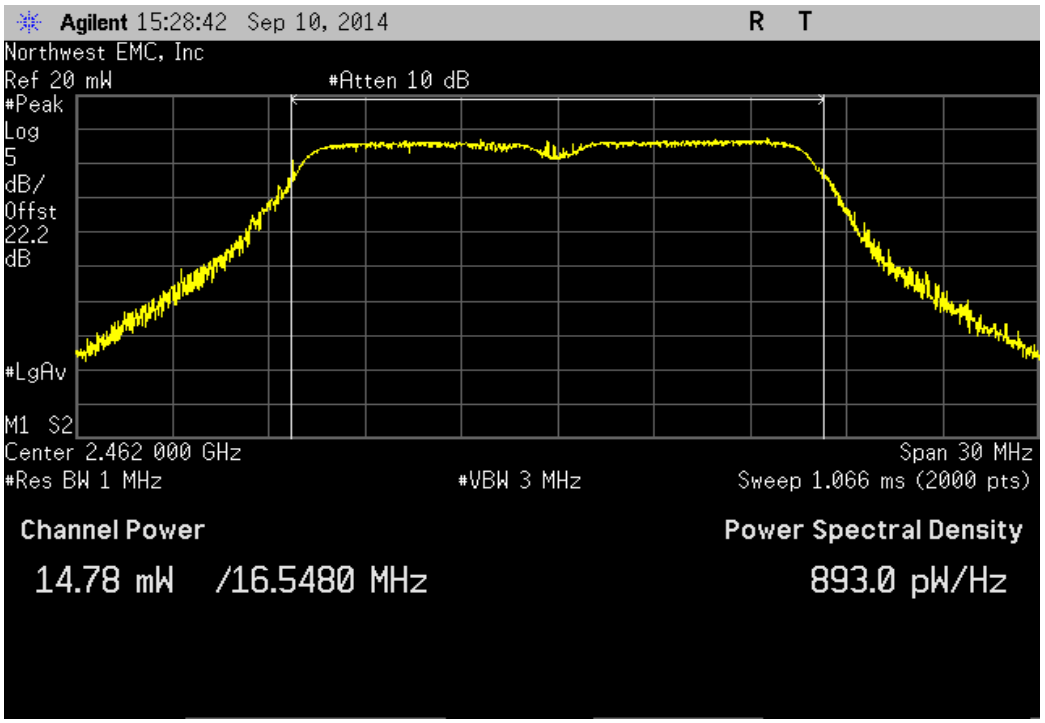
Port 2, 802.11(g) 6 Mbps, Low Channel 1, 2412 MHz						
				Value	Limit (<)	Result
				16.966 mW	1 W	Pass



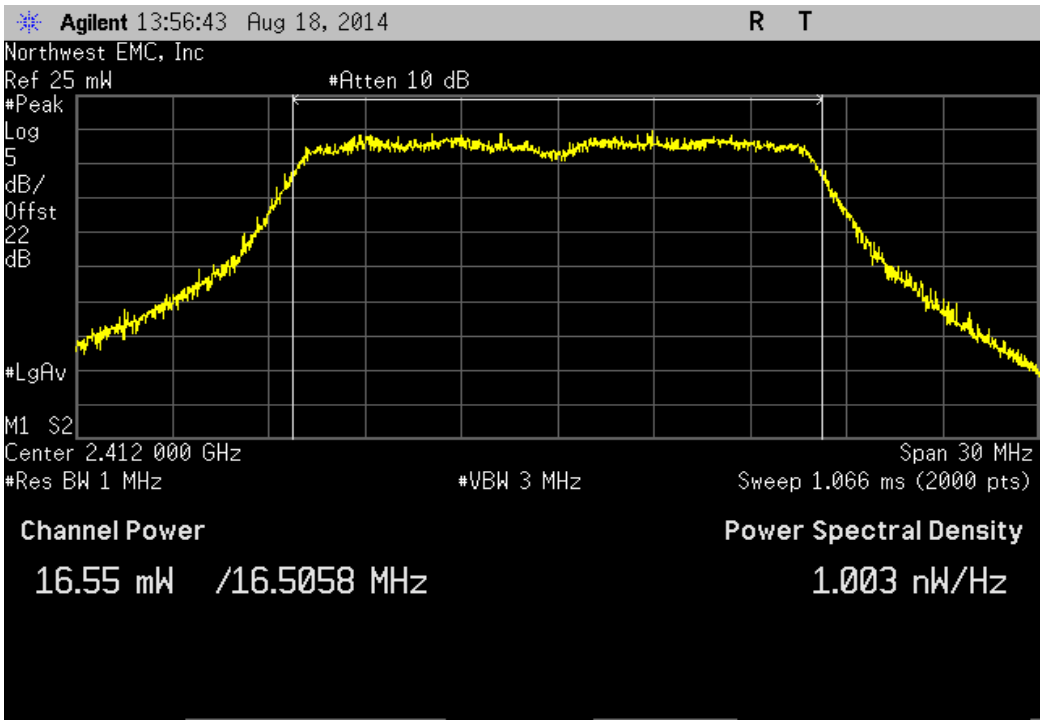
Port 2, 802.11(g) 6 Mbps, Mid Channel 6, 2437 MHz						
				Value	Limit (<)	Result
				16.376 mW	1 W	Pass



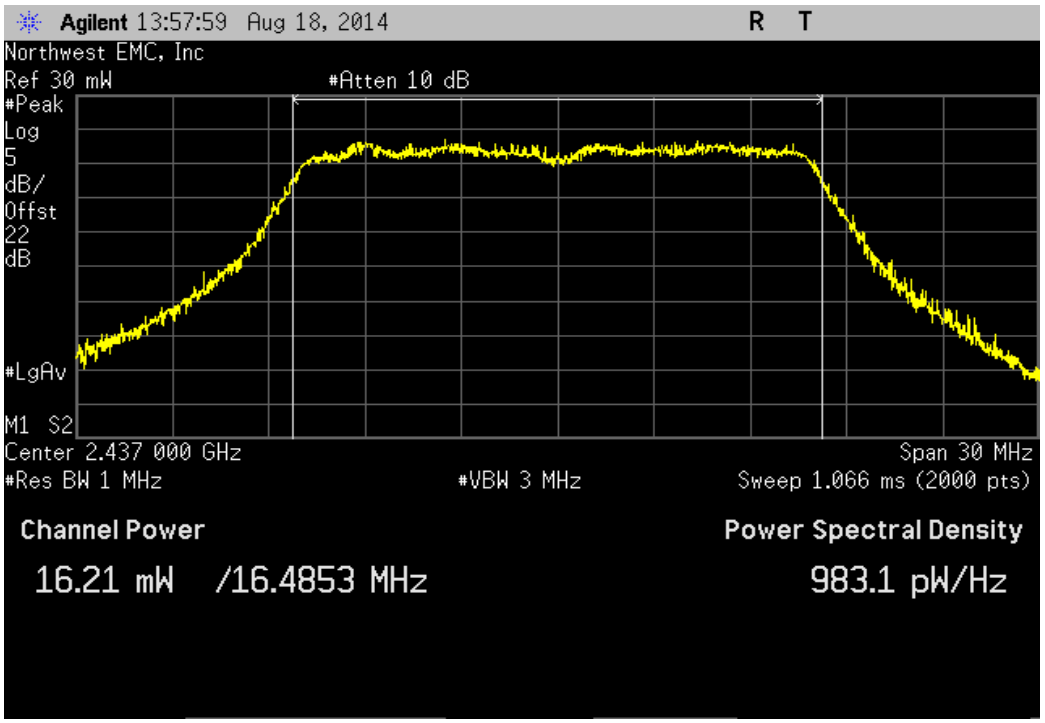
Port 2, 802.11(g) 6 Mbps, High Channel 11, 2462 MHz						
				Value	Limit (<)	Result
				14.778 mW	1 W	Pass



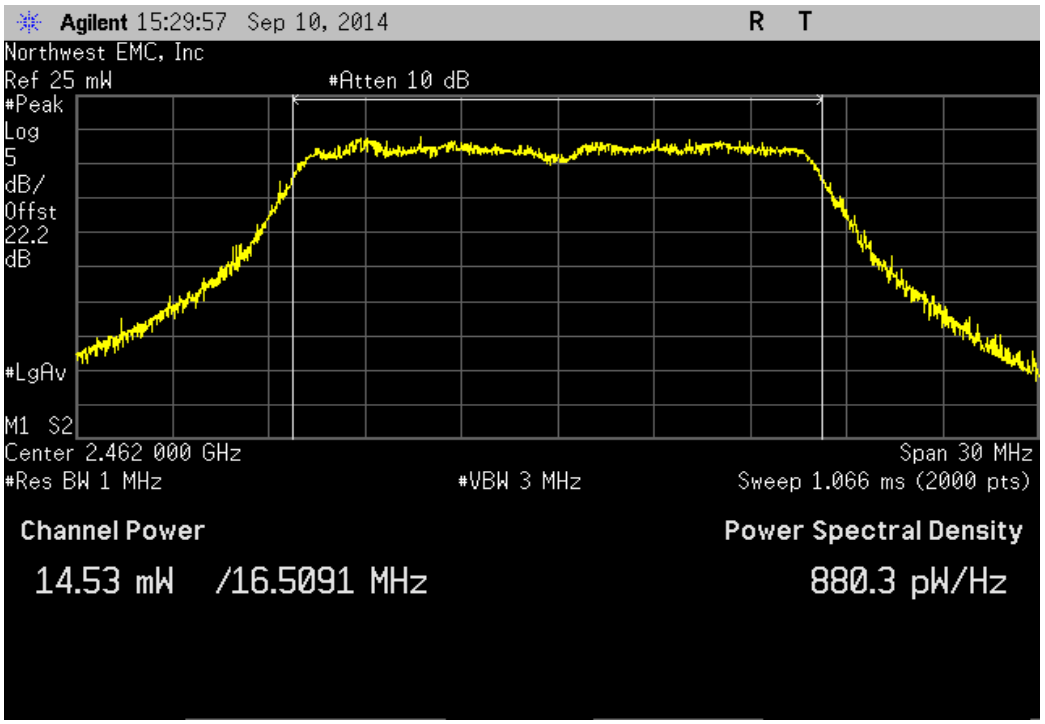
Port 2, 802.11(g) 36 Mbps, Low Channel 1, 2412 MHz						
				Value	Limit (<)	Result
				16.551 mW	1 W	Pass



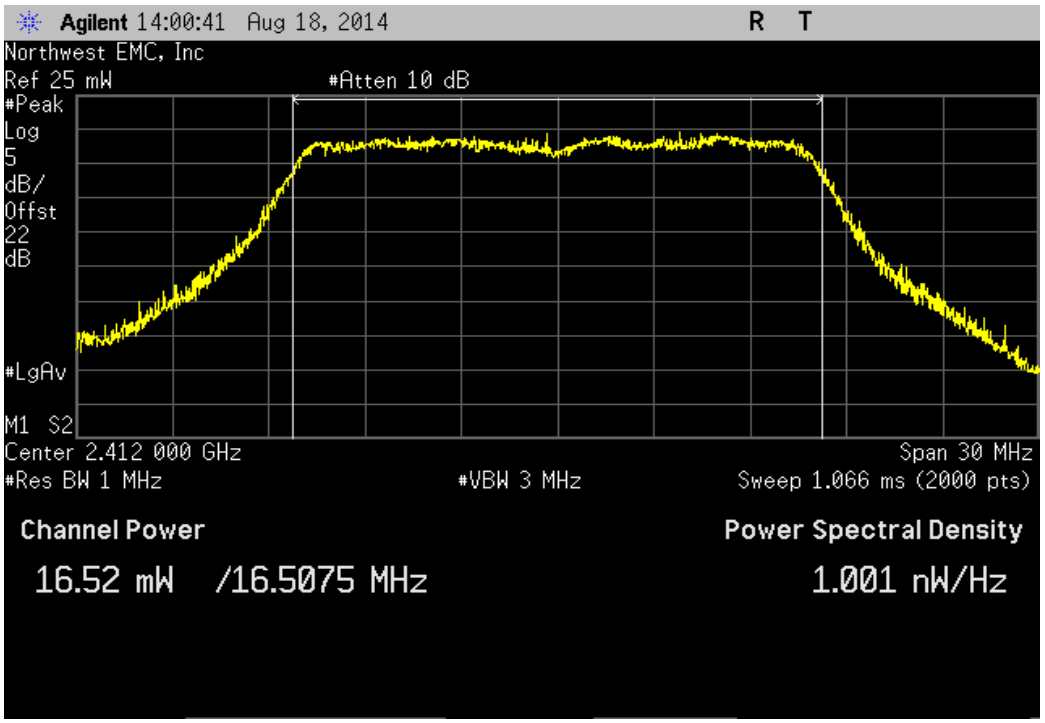
Port 2, 802.11(g) 36 Mbps, Mid Channel 6, 2437 MHz							
					Value	Limit (<)	Result
					16.206 mW	1 W	Pass



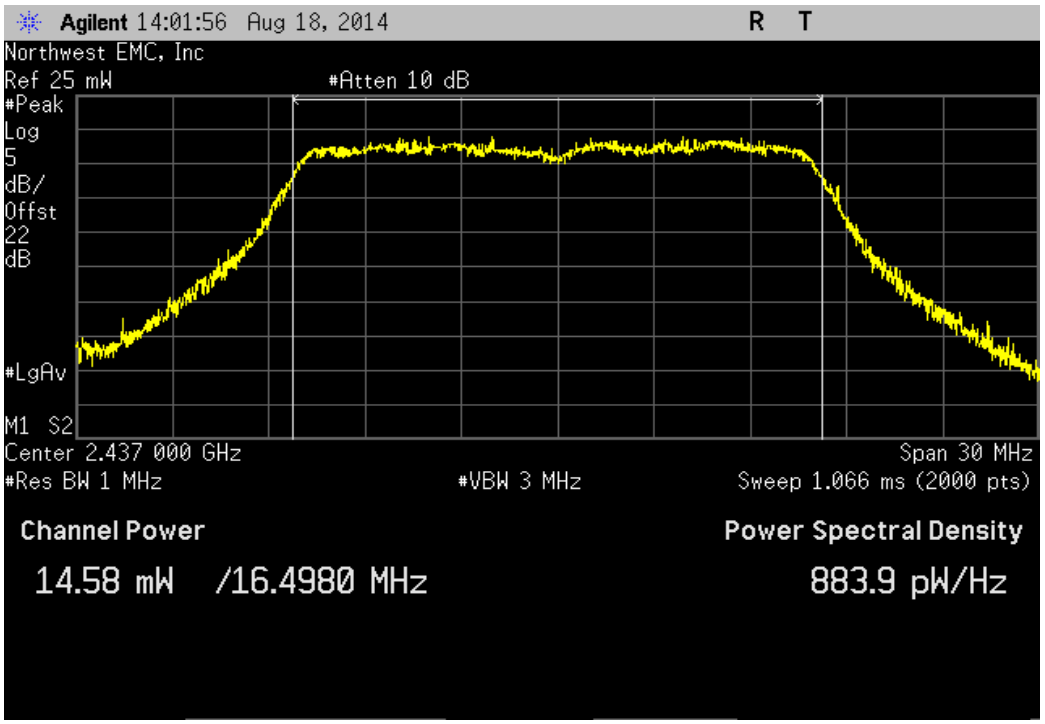
Port 2, 802.11(g) 36 Mbps, High Channel 11, 2462 MHz							
					Value	Limit (<)	Result
					14.534 mW	1 W	Pass



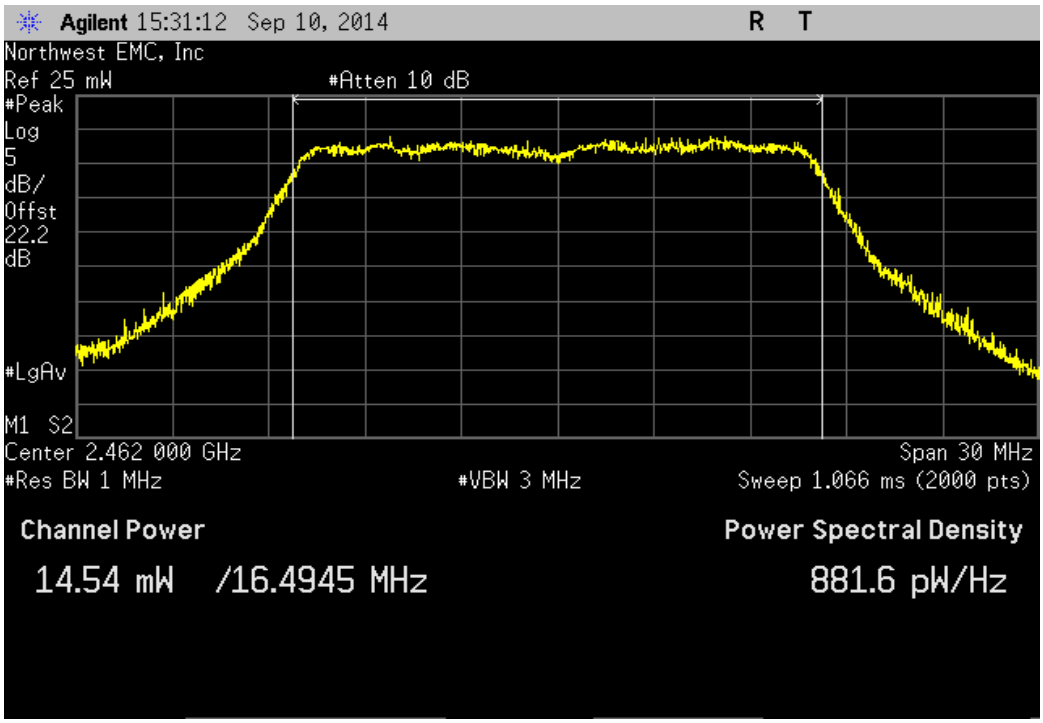
Port 2, 802.11(g) 54 Mbps, Low Channel 1, 2412 MHz							
					Value	Limit (<)	Result
					16.522 mW	1 W	Pass



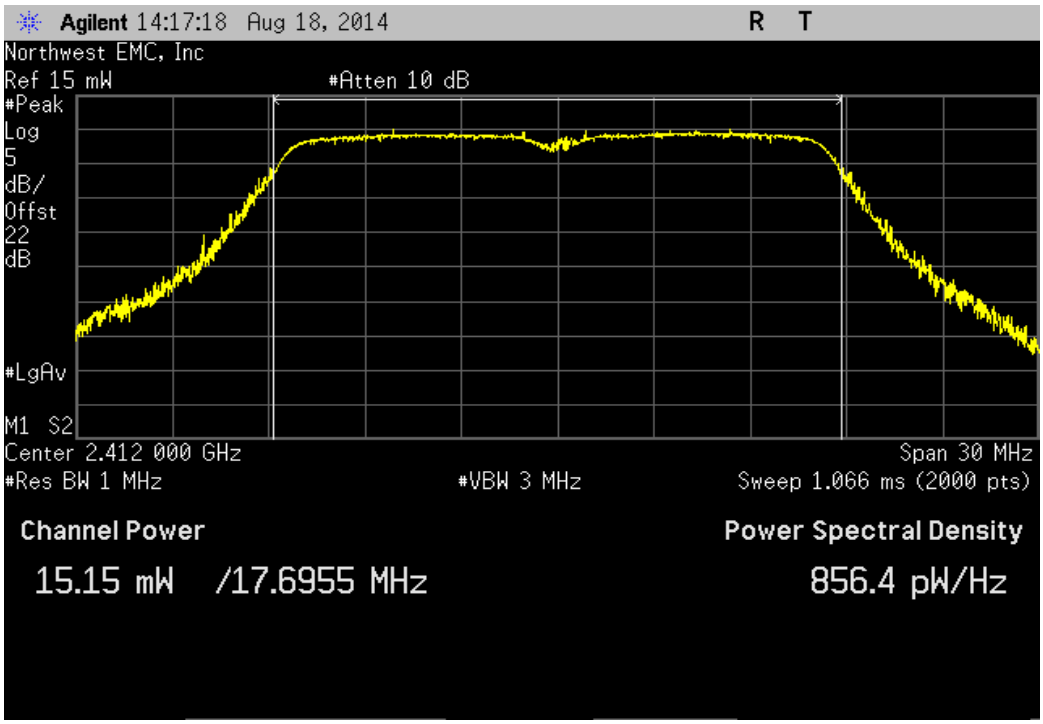
Port 2, 802.11(g) 54 Mbps, Mid Channel 6, 2437 MHz							
					Value	Limit (<)	Result
					14.582 mW	1 W	Pass



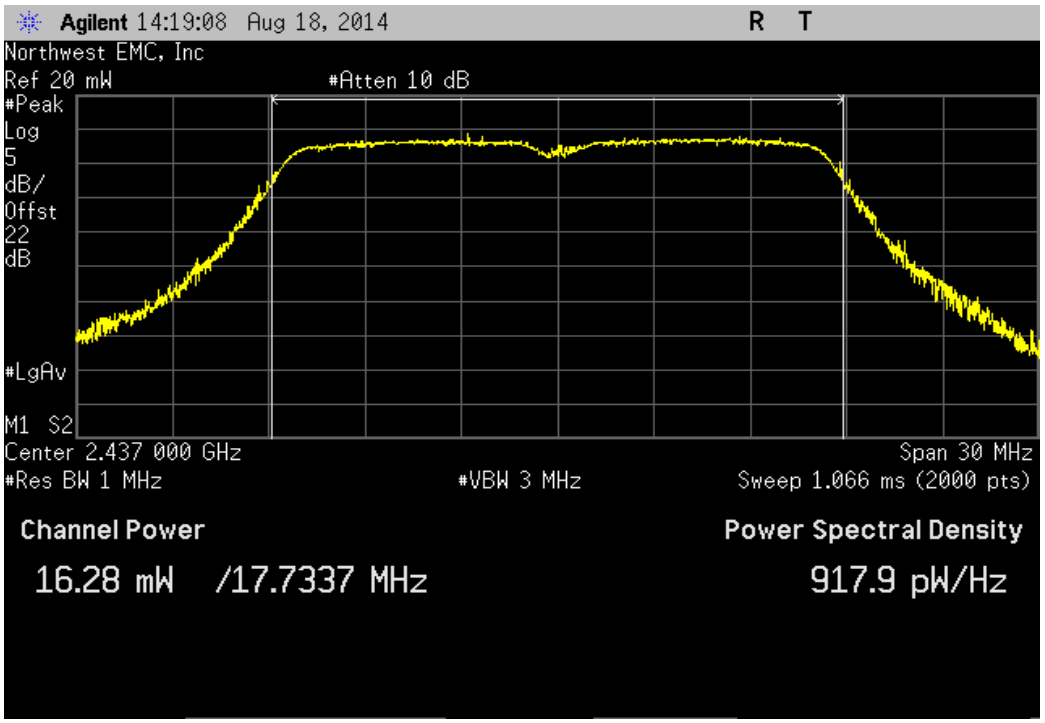
Port 2, 802.11(g) 54 Mbps, High Channel 11, 2462 MHz							
					Value	Limit (<)	Result
					14.542 mW	1 W	Pass



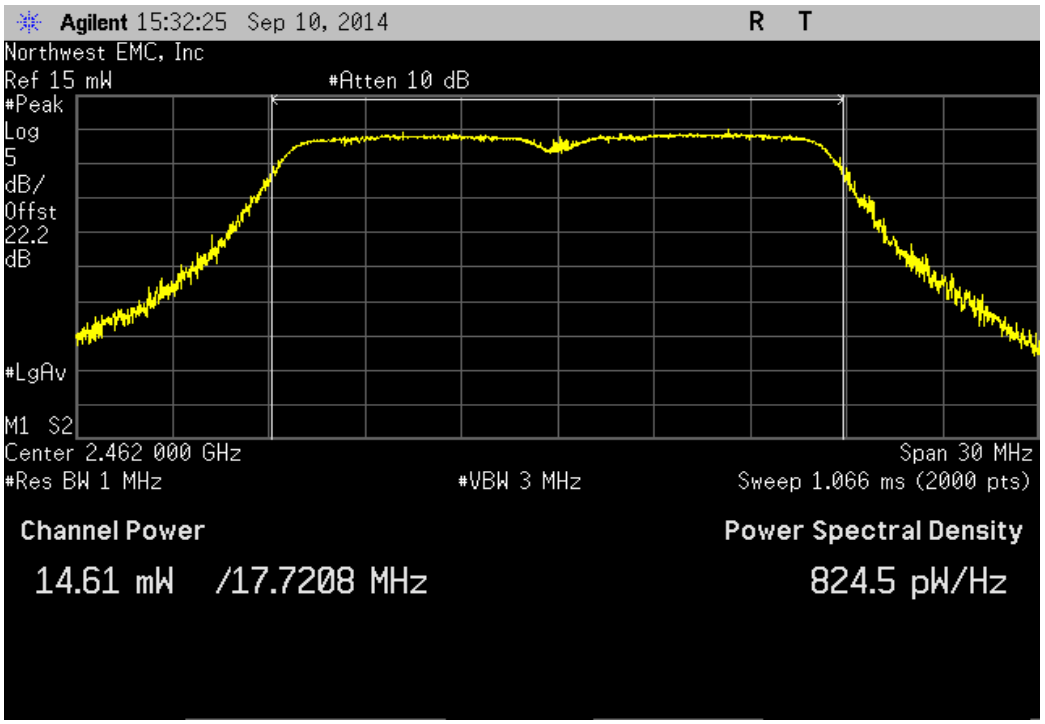
Port 2, 802.11(n) MCS0, Low Channel 1, 2412 MHz							
					Value	Limit (<)	Result
					15.155 mW	1 W	Pass



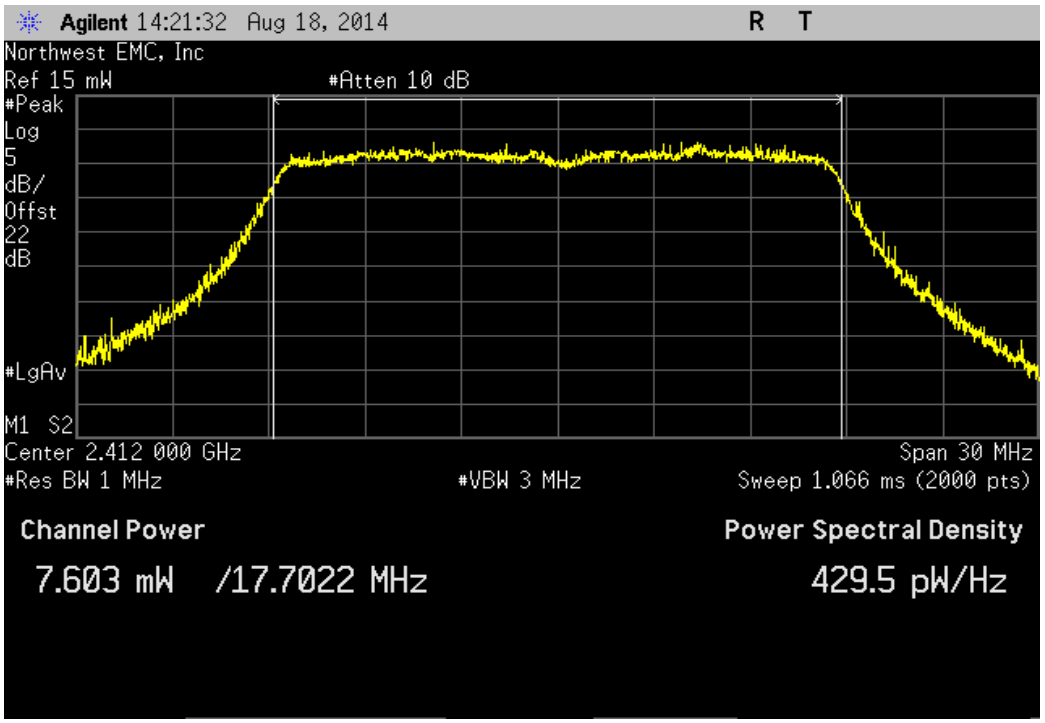
Port 2, 802.11(n) MCS0, Mid Channel 6, 2437 MHz							
					Value	Limit (<)	Result
					16.277 mW	1 W	Pass



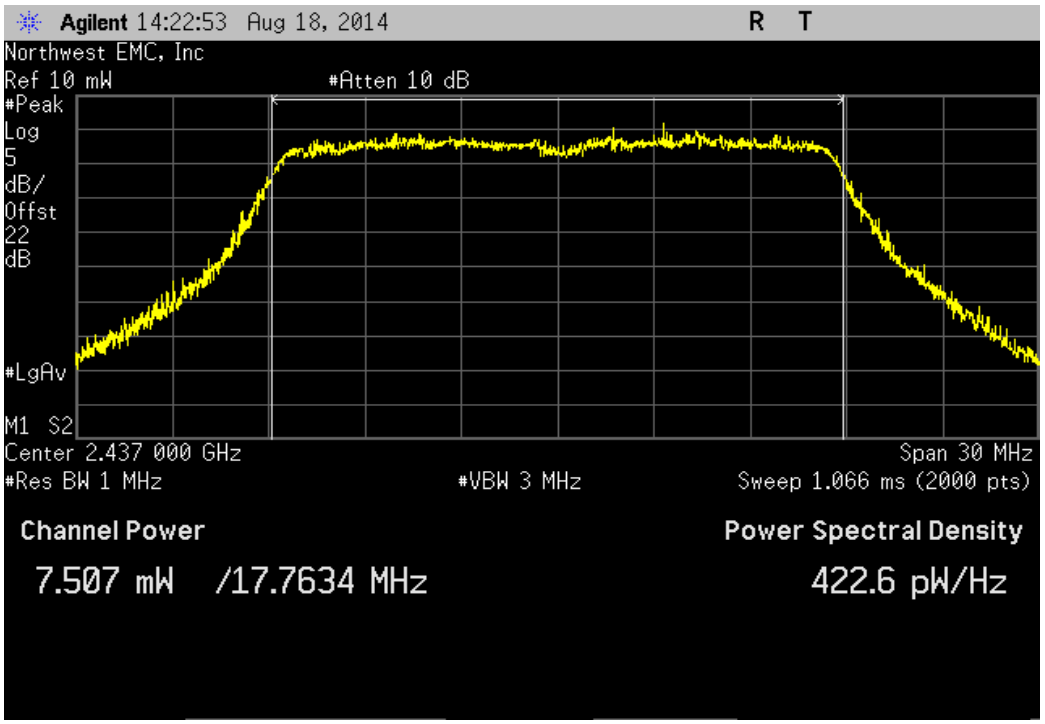
Port 2, 802.11(n) MCS0, High Channel 11, 2462 MHz							
					Value	Limit (<)	Result
					14.611 mW	1 W	Pass



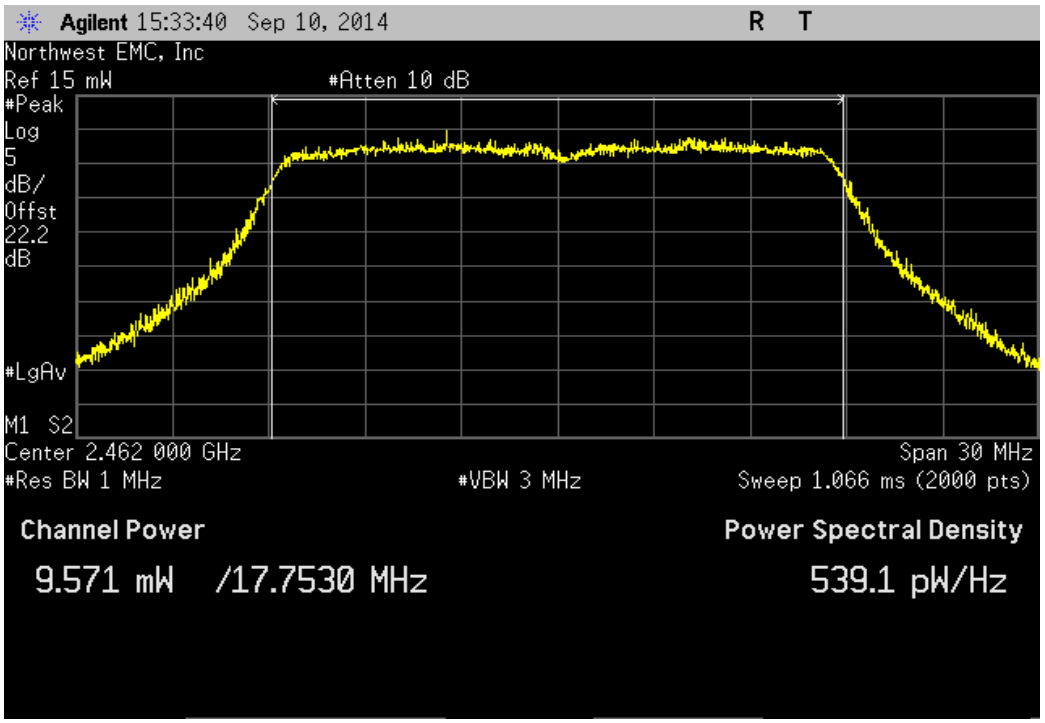
Port 2, 802.11(n) MCS7, Low Channel 1, 2412 MHz							
					Value	Limit (<)	Result
					7.603 mW	1 W	Pass



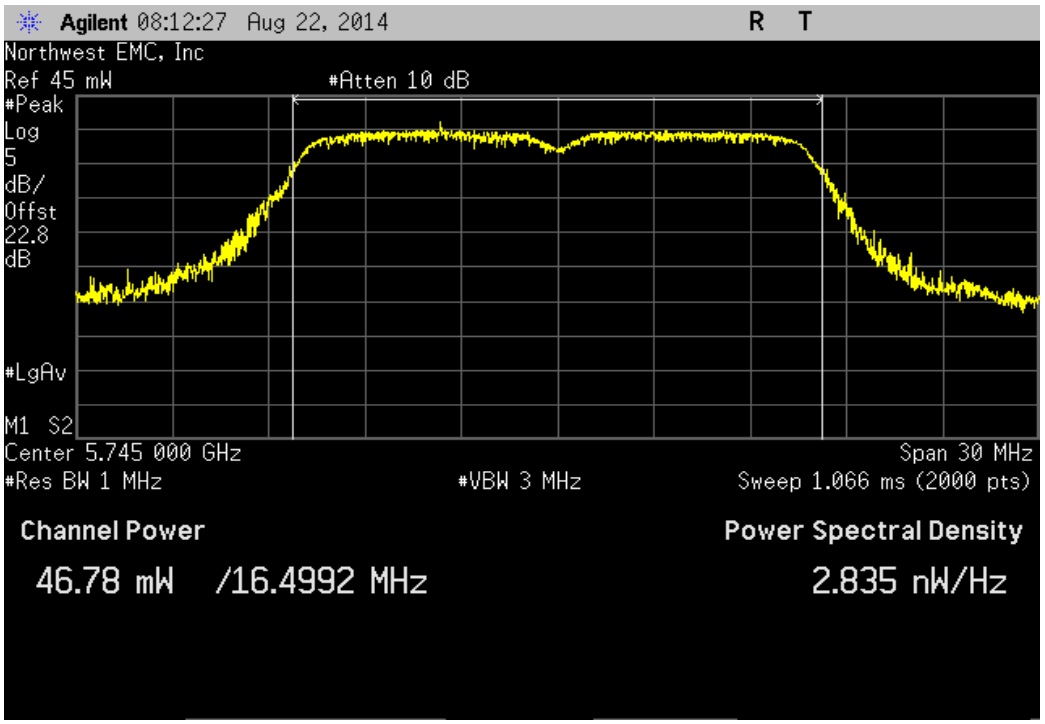
Port 2, 802.11(n) MCS7, Mid Channel 6, 2437 MHz							
					Value	Limit (<)	Result
					7.507 mW	1 W	Pass



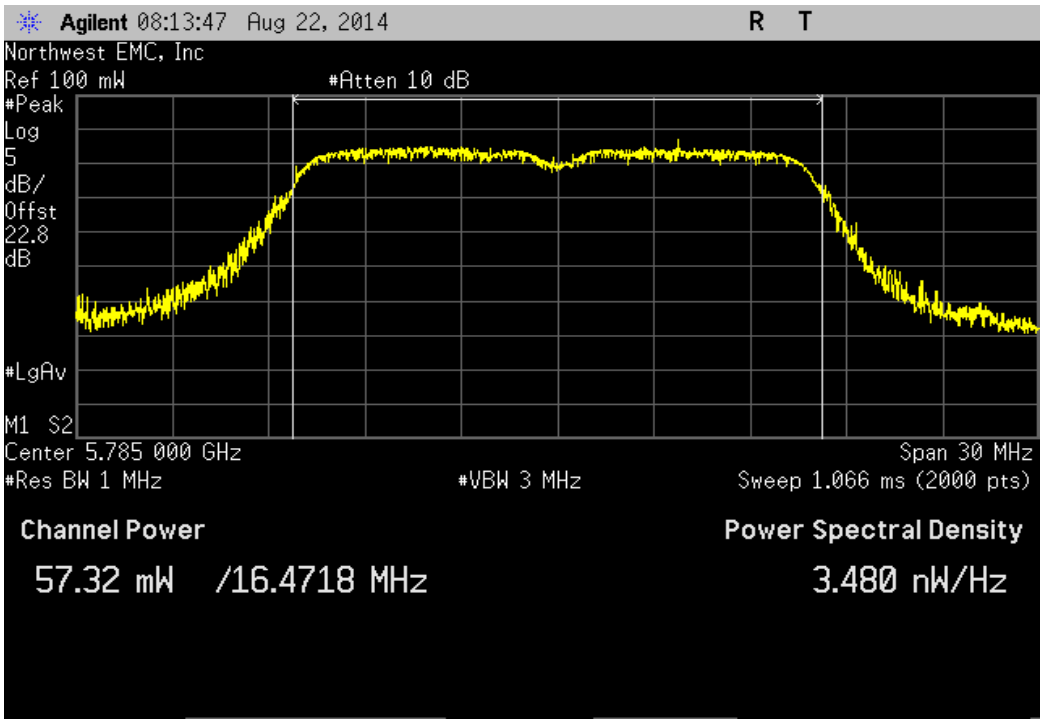
Port 2, 802.11(n) MCS7, High Channel 11, 2462 MHz						
				Value	Limit (<)	Result
				9.571 mW	1 W	Pass



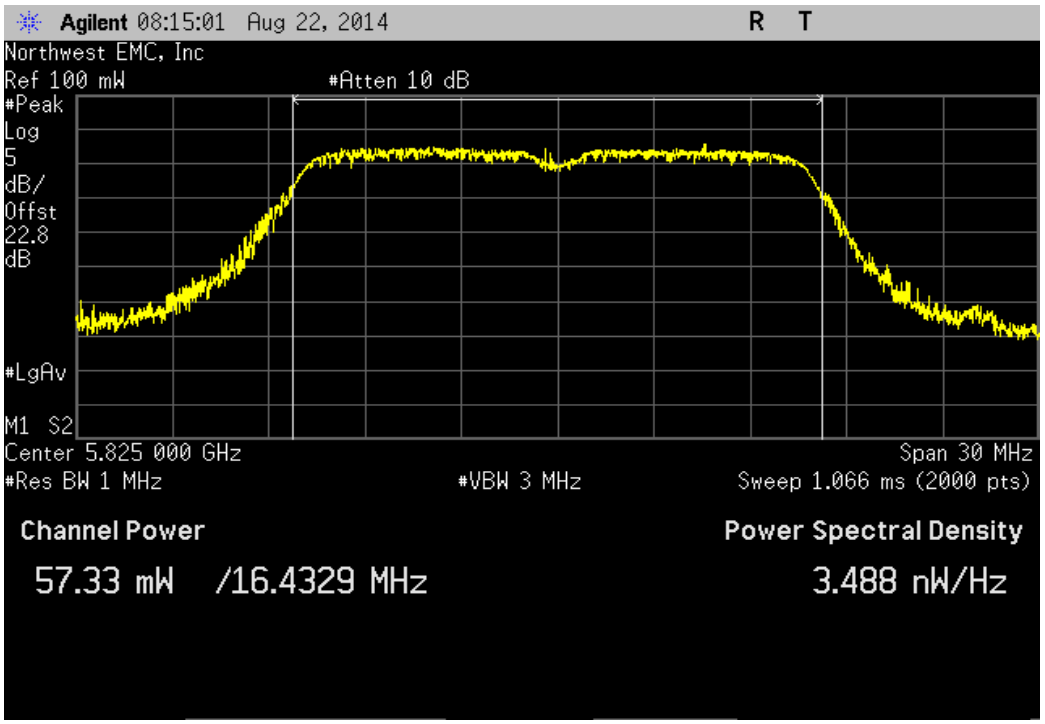
Port 2, 802.11(a) 6 Mbps, Low Channel 149, 5745 MHz						
				Value	Limit (<)	Result
				46.776 mW	1 W	Pass



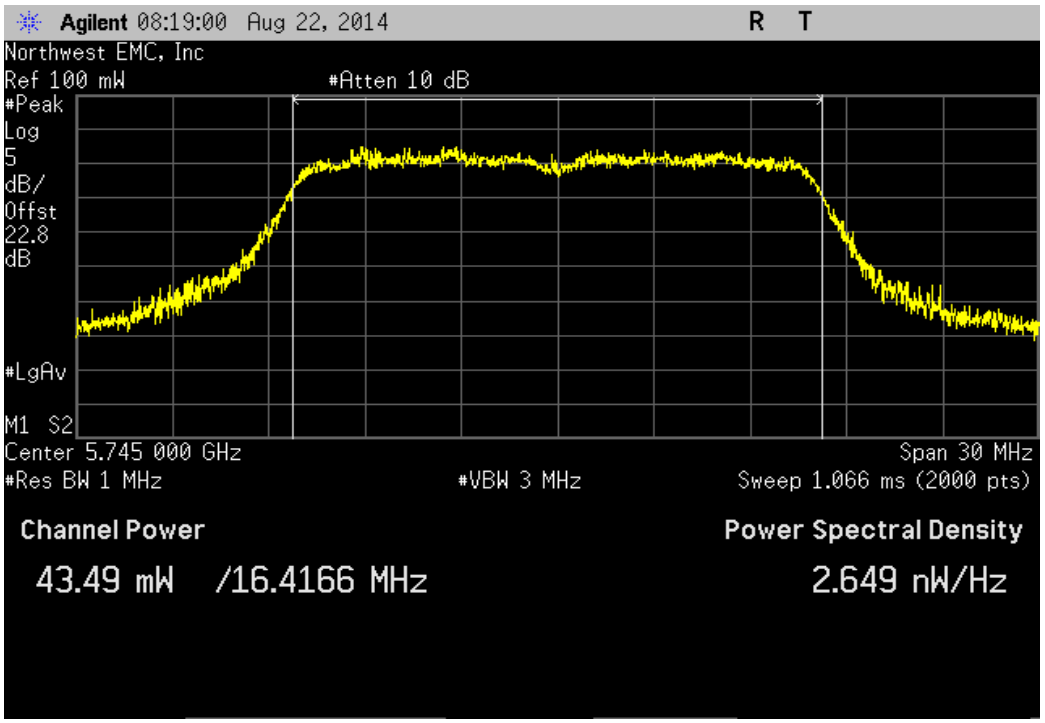
Port 2, 802.11(a) 6 Mbps, Mid Channel 157, 5785 MHz						
				Value	Limit (<)	Result
				57.324 mW	1 W	Pass



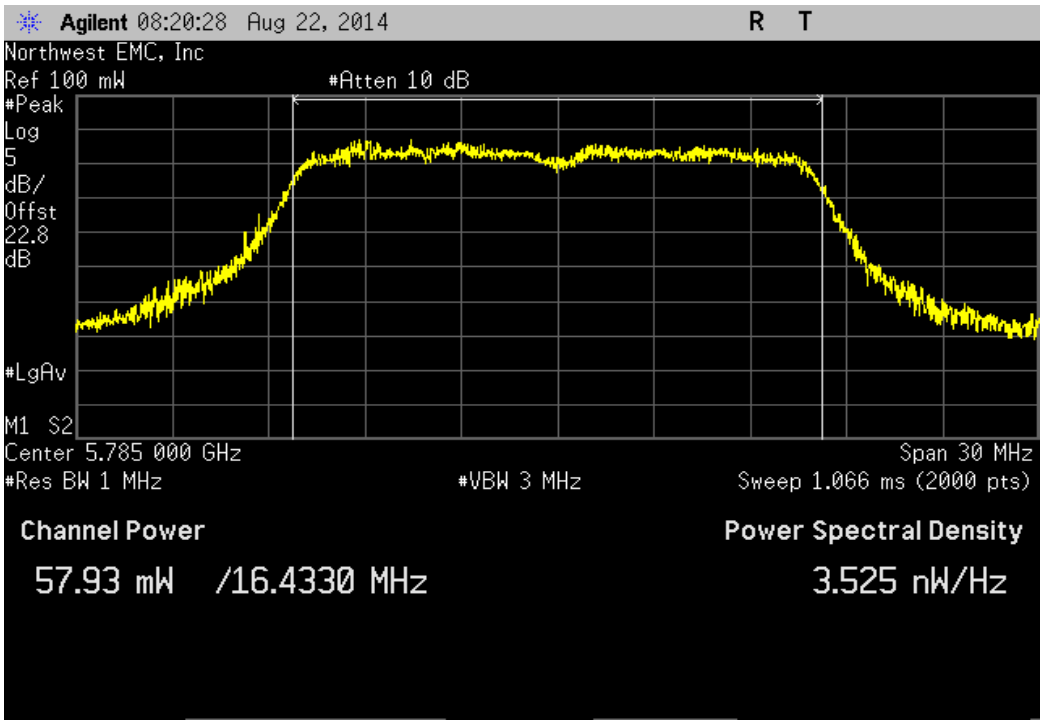
Port 2, 802.11(a) 6 Mbps, High Channel 165, 5825 MHz						
				Value	Limit (<)	Result
				57.325 mW	1 W	Pass



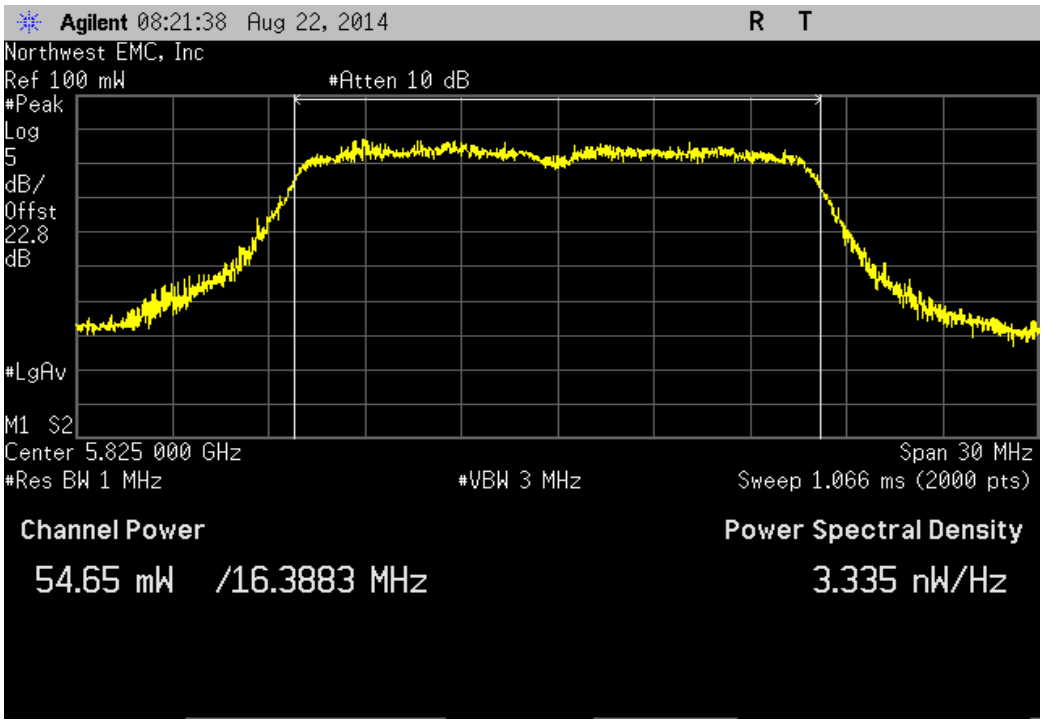
Port 2, 802.11(a) 36 Mbps, Low Channel 149, 5745 MHz							
					Value	Limit (<)	Result
					43.495 mW	1 W	Pass



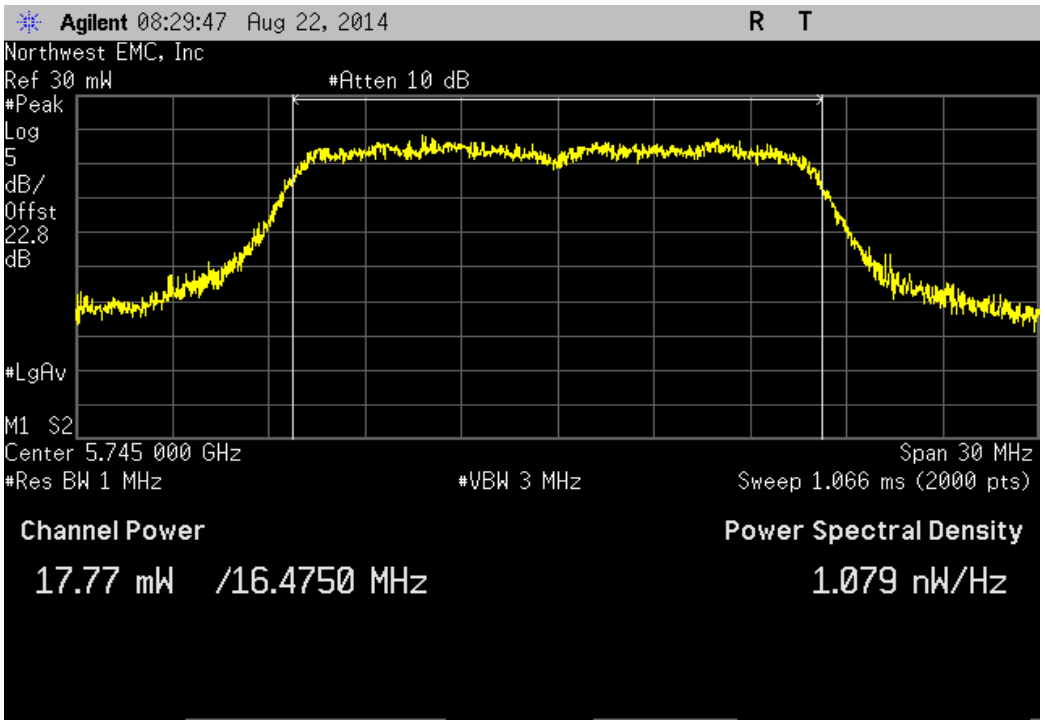
Port 2, 802.11(a) 36 Mbps, Mid Channel 157, 5785 MHz							
					Value	Limit (<)	Result
					57.933 mW	1 W	Pass



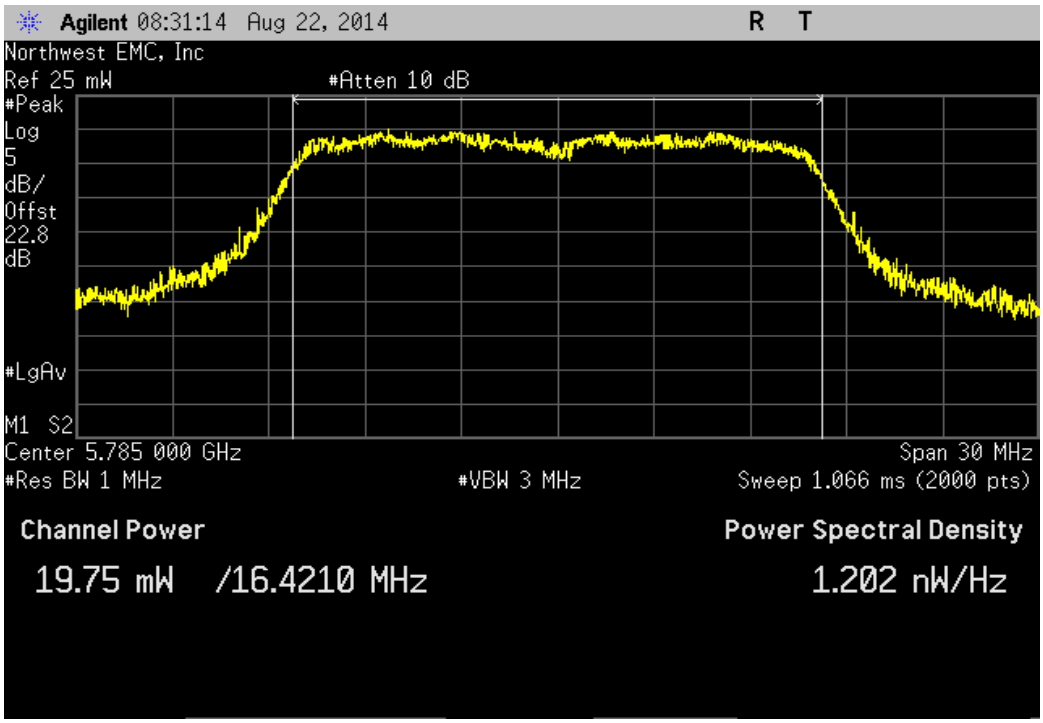
Port 2, 802.11(a) 36 Mbps, High Channel 165, 5825 MHz						
				Value	Limit (<)	Result
				54.647 mW	1 W	Pass



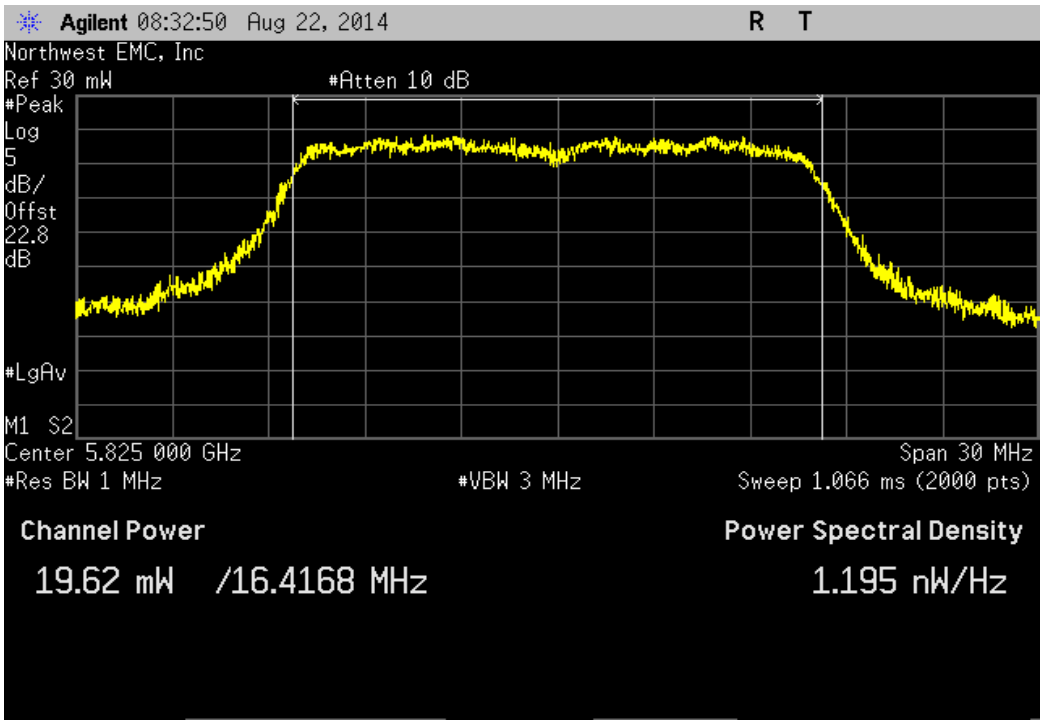
Port 2, 802.11(a) 54 Mbps, Low Channel 149, 5745 MHz						
				Value	Limit (<)	Result
				17.771 mW	1 W	Pass



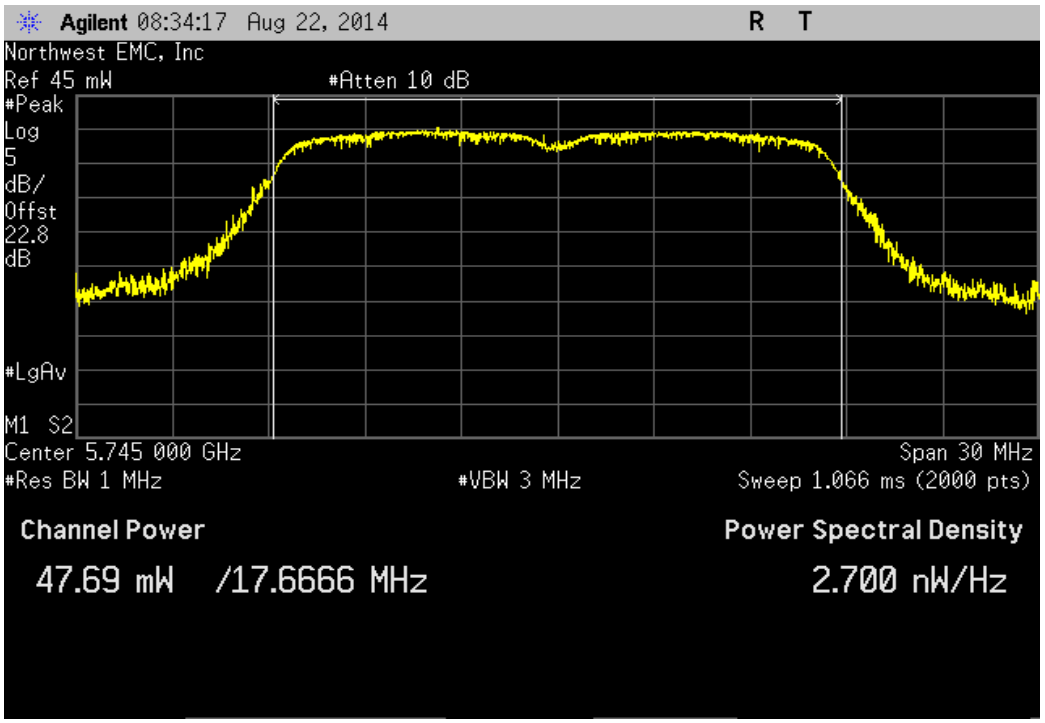
Port 2, 802.11(a) 54 Mbps, Mid Channel 157, 5785 MHz						
				Value	Limit (<)	Result
				19.745 mW	1 W	Pass



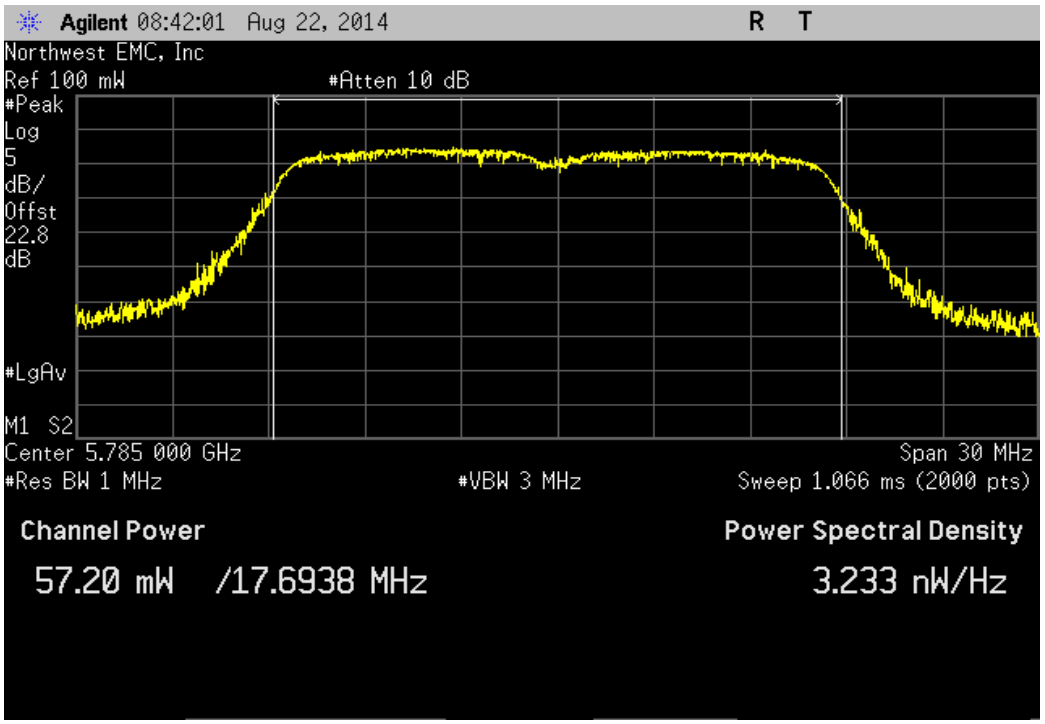
Port 2, 802.11(a) 54 Mbps, High Channel 165, 5825 MHz						
				Value	Limit (<)	Result
				19.625 mW	1 W	Pass



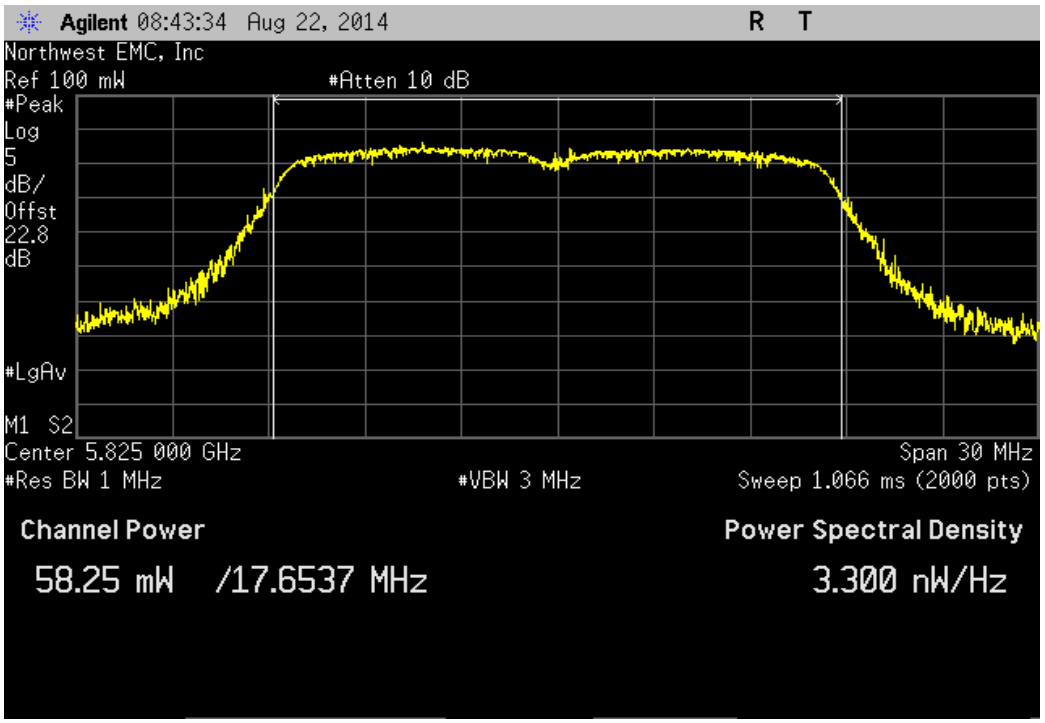
Port 2, 802.11(n) MCS0 - UNII, Low Channel 149, 5745 MHz						
				Value	Limit (<)	Result
				47.693 mW	1 W	Pass



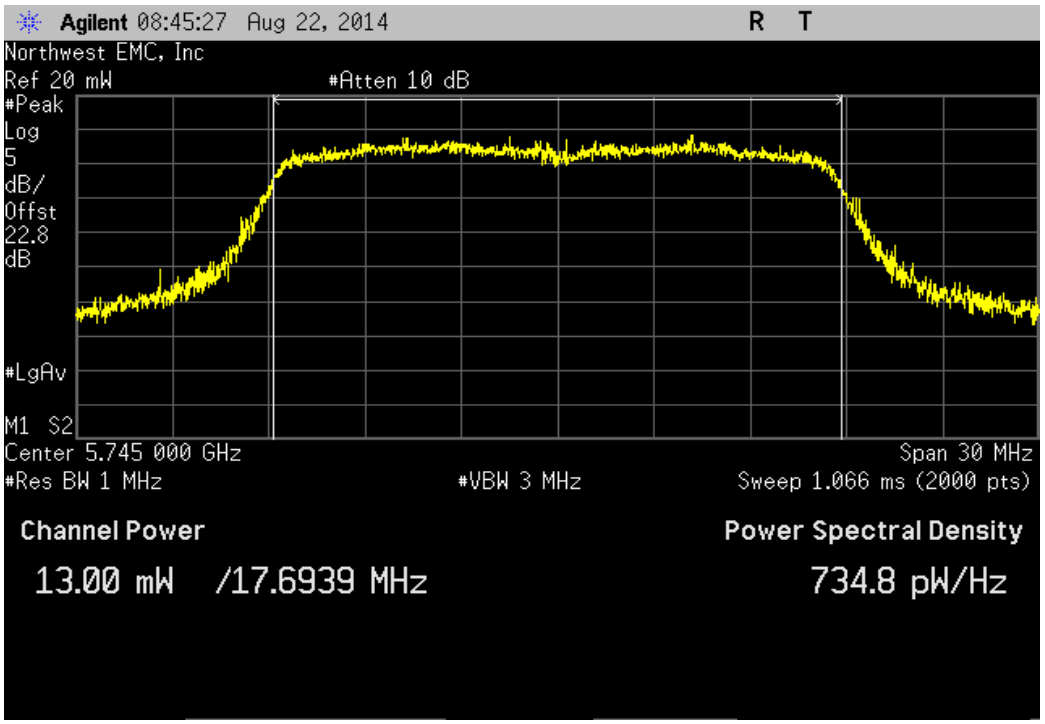
Port 2, 802.11(n) MCS0 - UNII, Mid Channel 157, 5785 MHz						
				Value	Limit (<)	Result
				57.197 mW	1 W	Pass



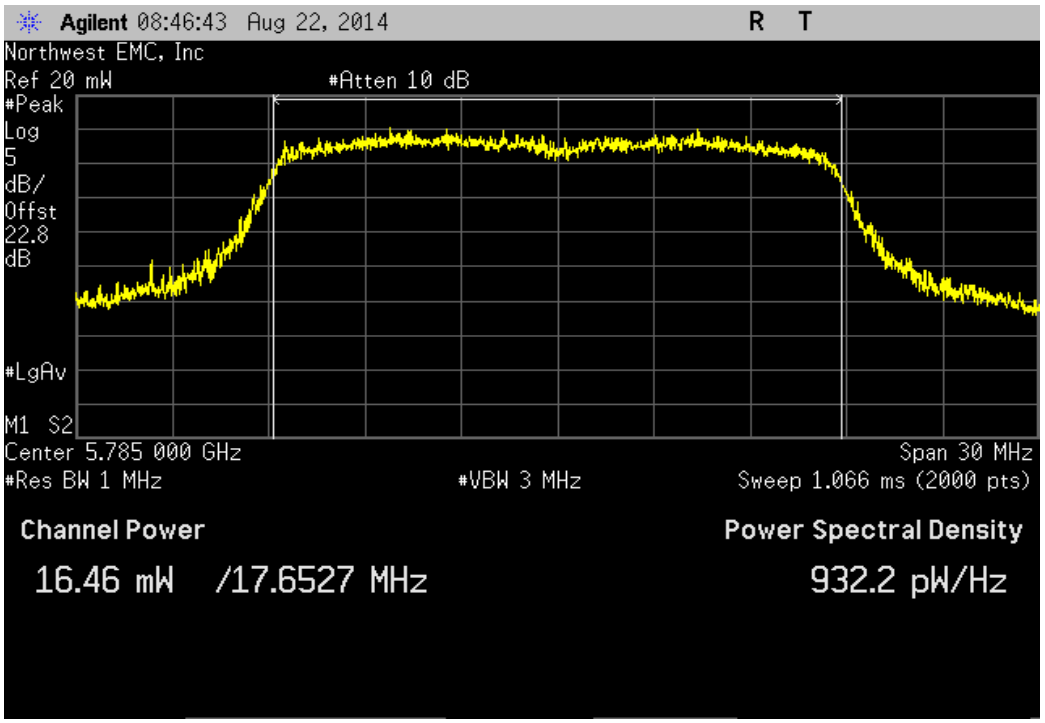
Port 2, 802.11(n) MCS0 - UNII, High Channel 165, 5825 MHz						
				Value	Limit (<)	Result
				58.254 mW	1 W	Pass



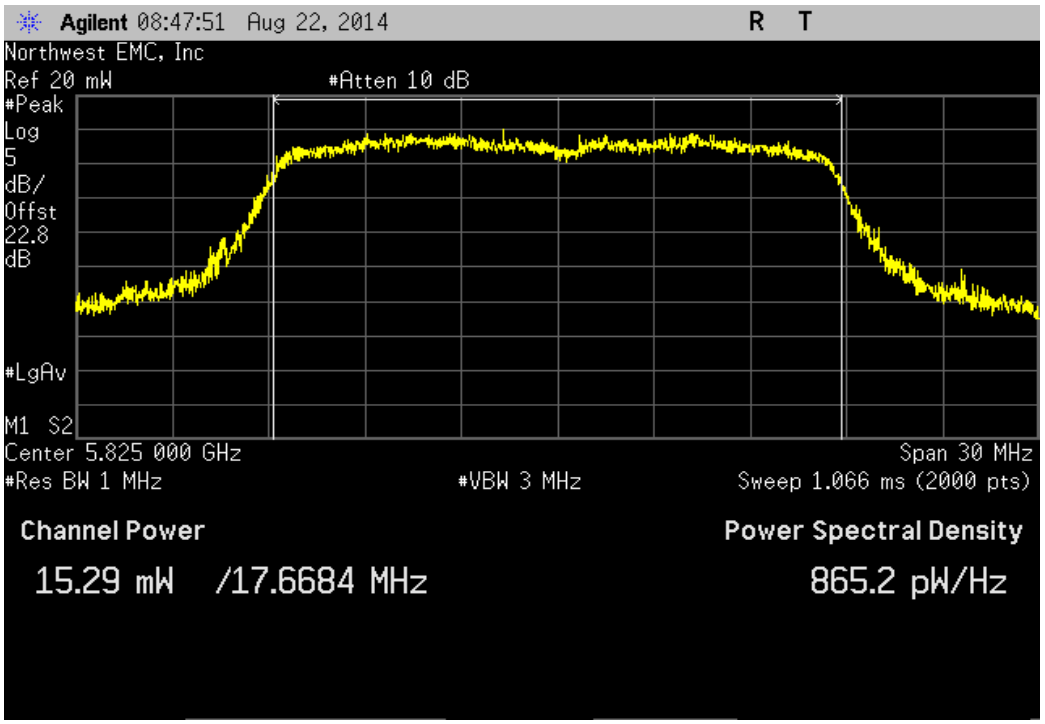
Port 2, 802.11(n) MCS7 - UNII, Low Channel 149, 5745 MHz						
				Value	Limit (<)	Result
				13.002 mW	1 W	Pass



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:

BWCF = 10*LOG (3 kHz / 100 kHz) = -15.2 dB

POWER SPECTRAL DENSITY

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

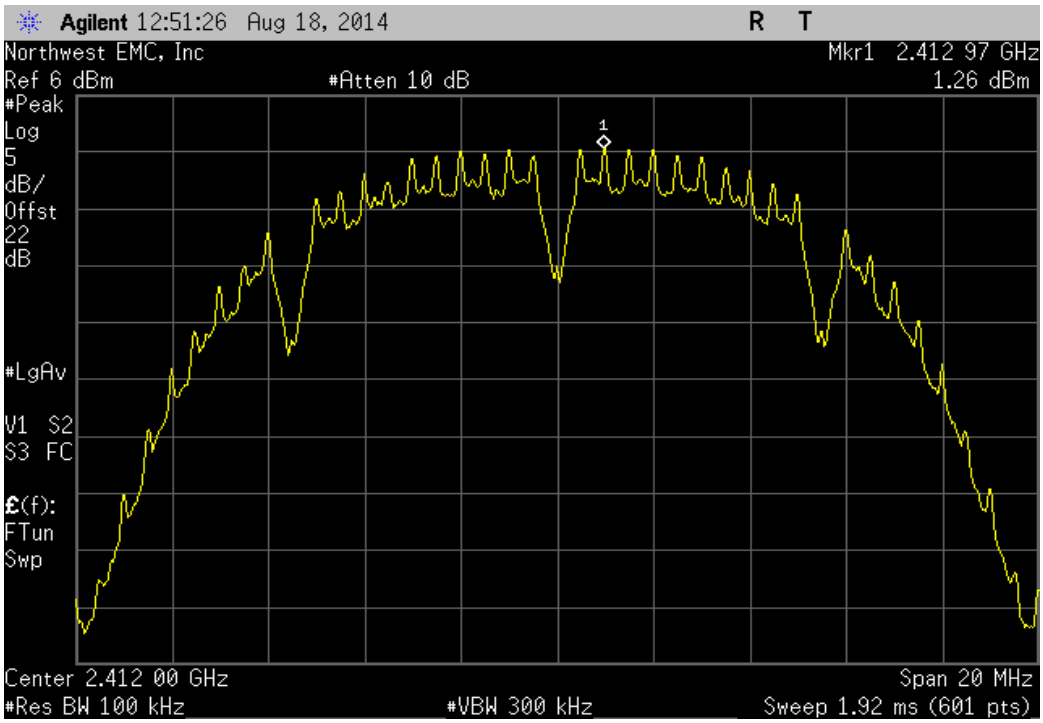
DEVIATIONS FROM TEST STANDARD

None

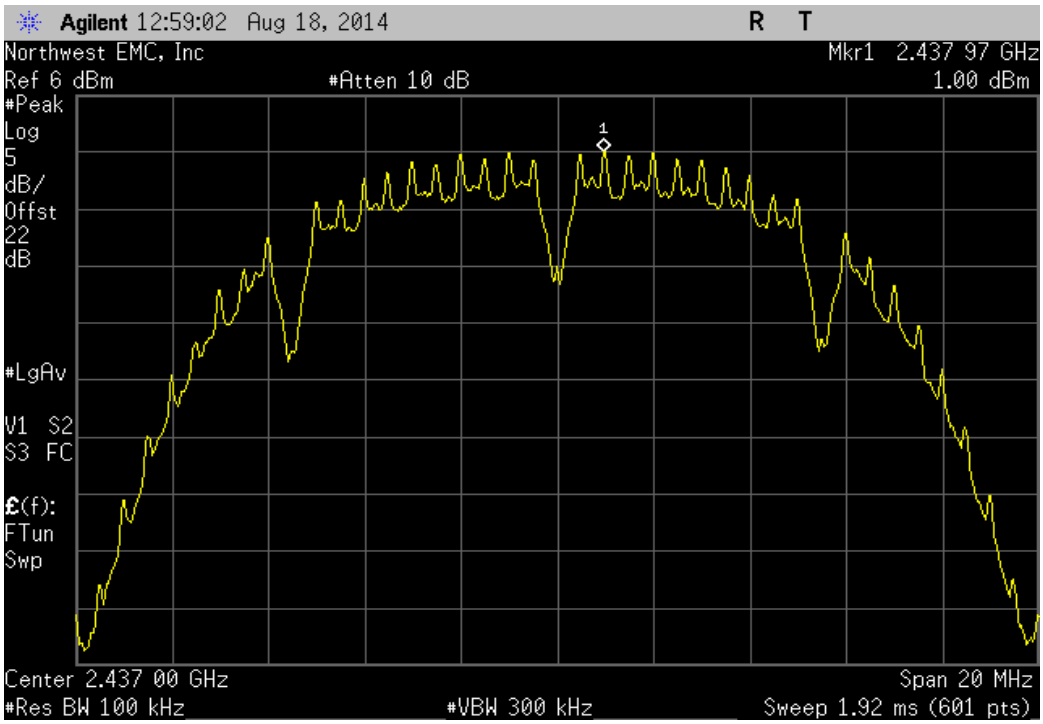
Configuration #	1	Signature	Trevor Buls

		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit 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

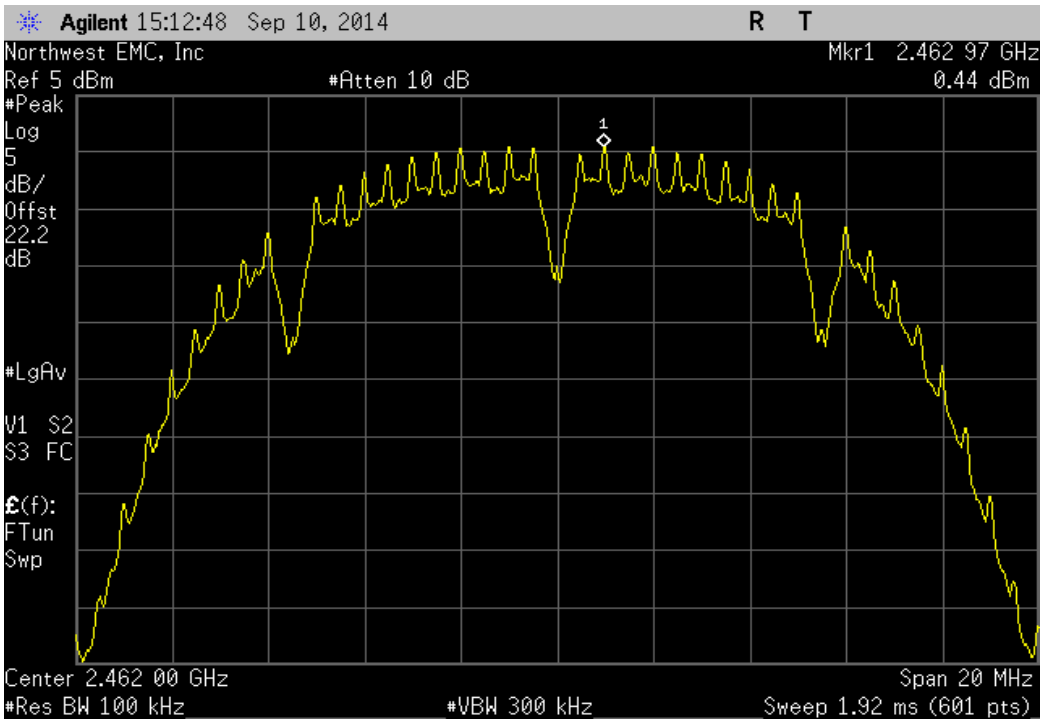
Port 1, 802.11(b) 1 Mbps, Low Channel 1, 2412 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Results
		1.26	-15.2	-13.94	8	Pass



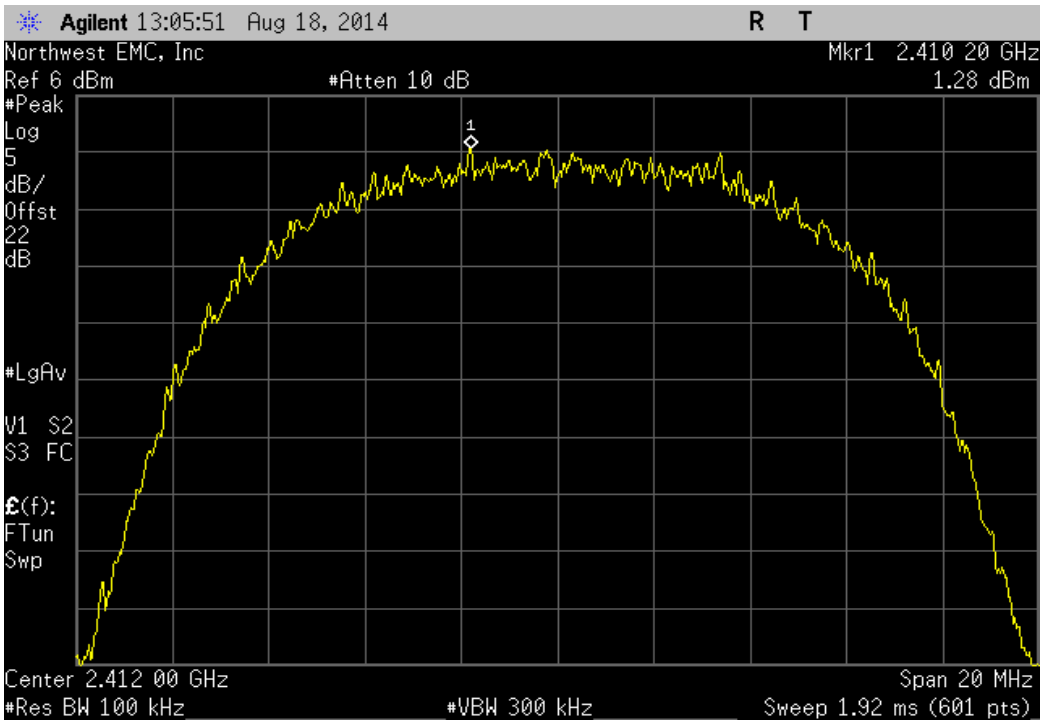
Port 1, 802.11(b) 1 Mbps, Mid Channel 6, 2437 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Results
		1.002	-15.2	-14.198	8	Pass



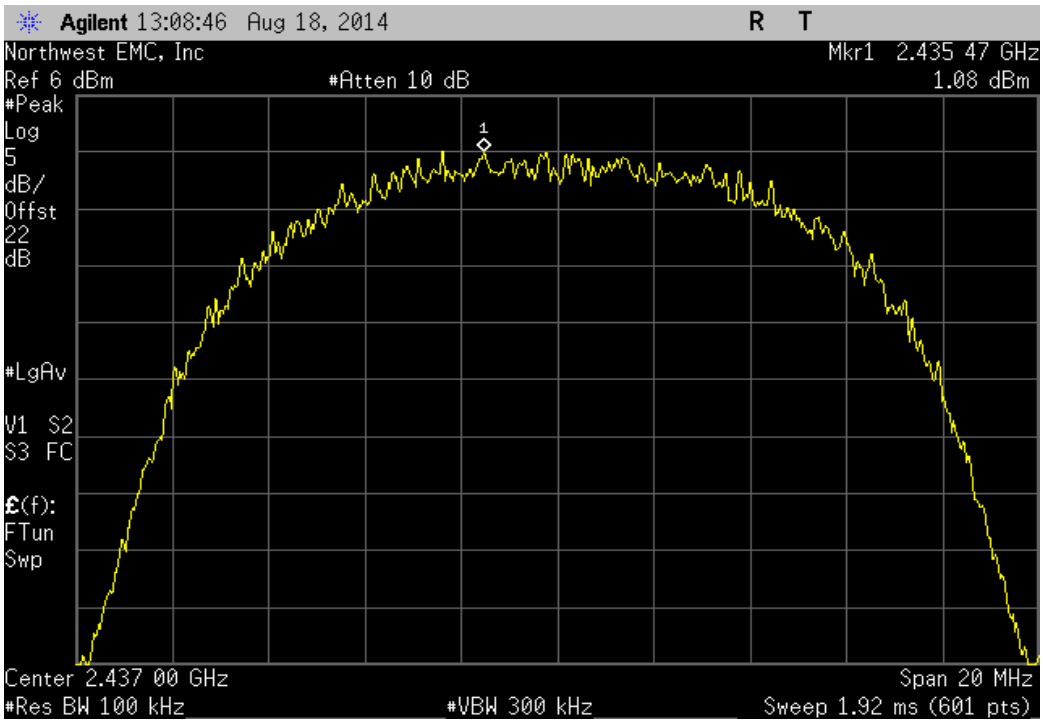
Port 1, 802.11(b) 1 Mbps, High Channel 11, 2462 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Results
		0.438	-15.2	-14.762	8	Pass



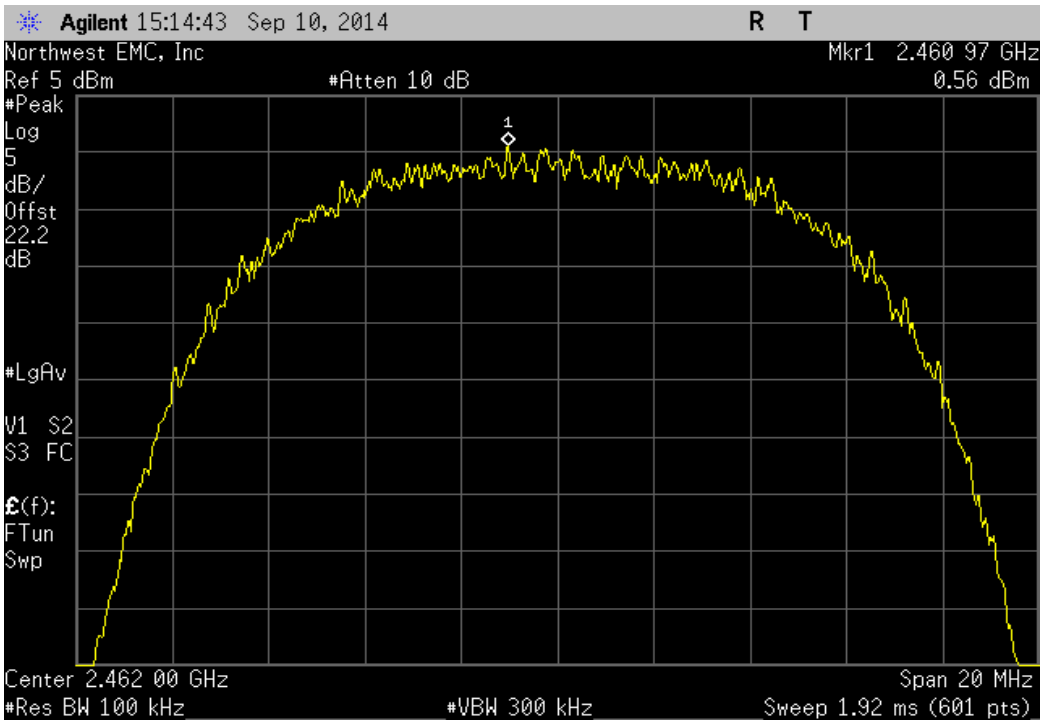
Port 1, 802.11(b) 11 Mbps, Low Channel 1, 2412 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Results
		1.277	-15.2	-13.923	8	Pass



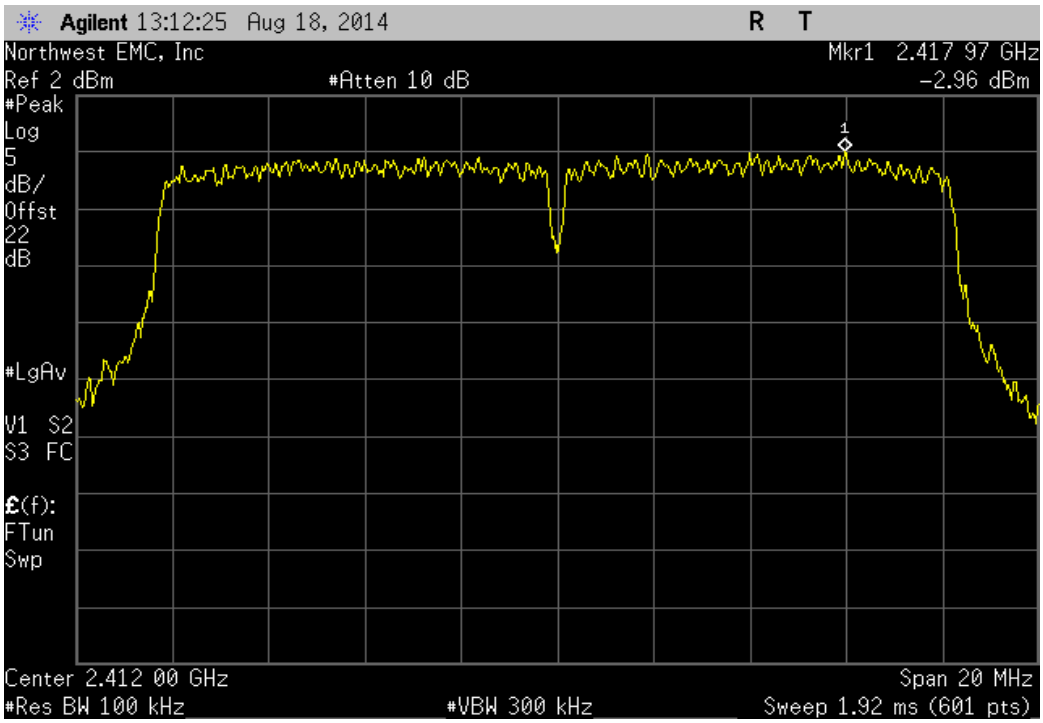
Port 1, 802.11(b) 11 Mbps, Mid Channel 6, 2437 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Results
		1.076	-15.2	-14.124	8	Pass



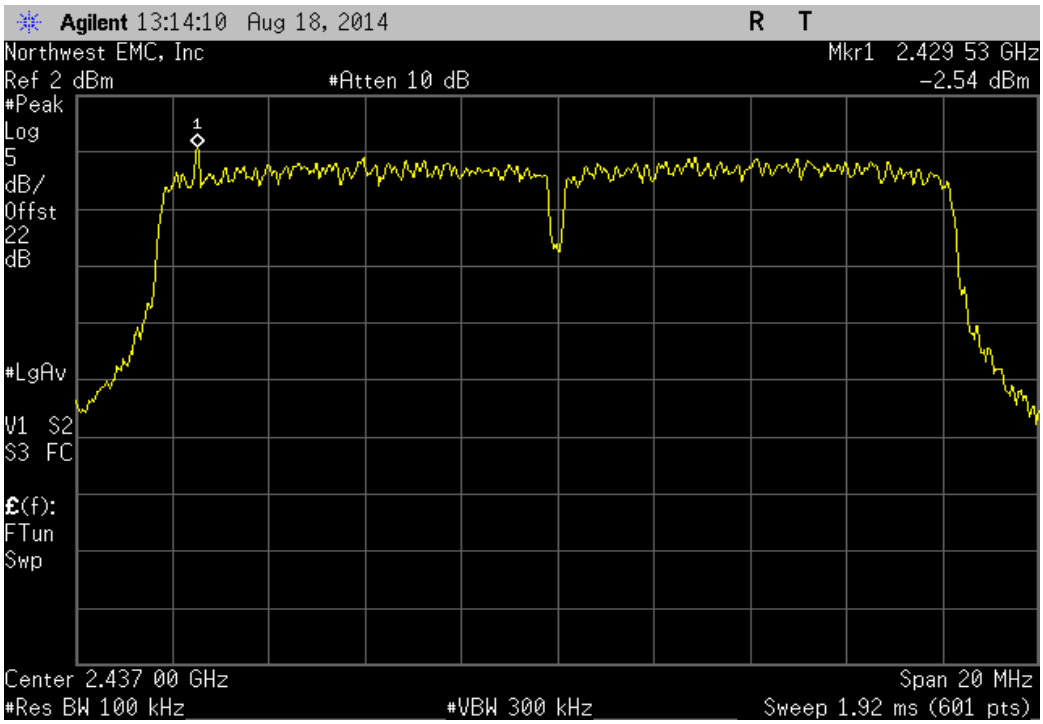
Port 1, 802.11(b) 11 Mbps, High Channel 11, 2462 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Results
		0.555	-15.2	-14.645	8	Pass



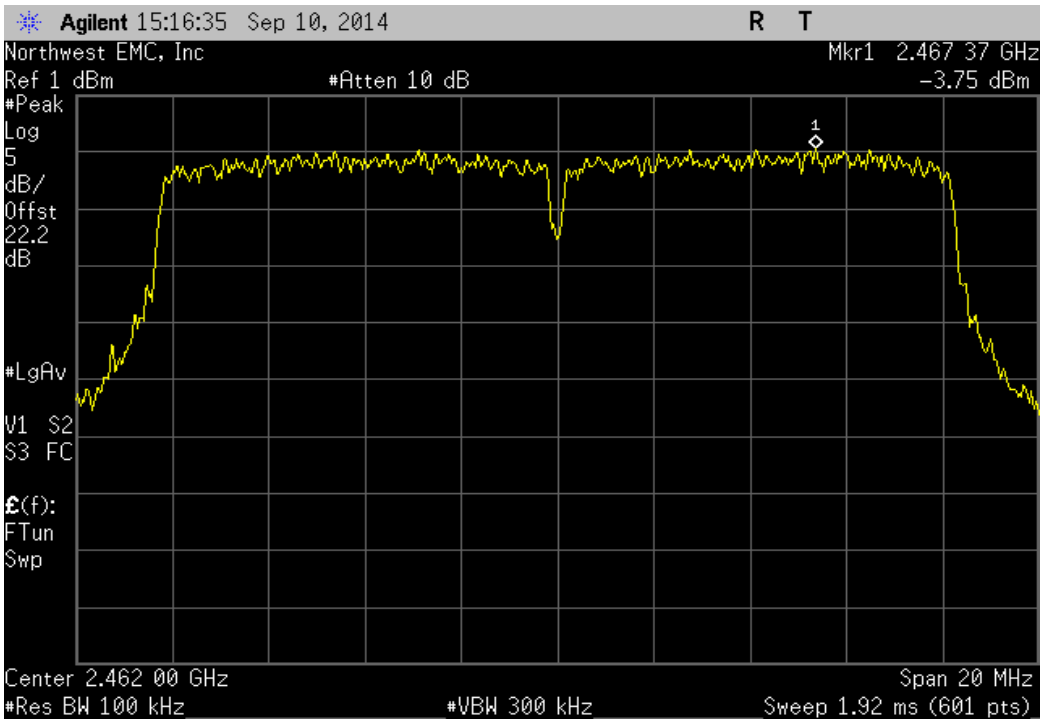
Port 1, 802.11(g) 6 Mbps, Low Channel 1, 2412 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Results
		-2.963	-15.2	-18.163	8	Pass



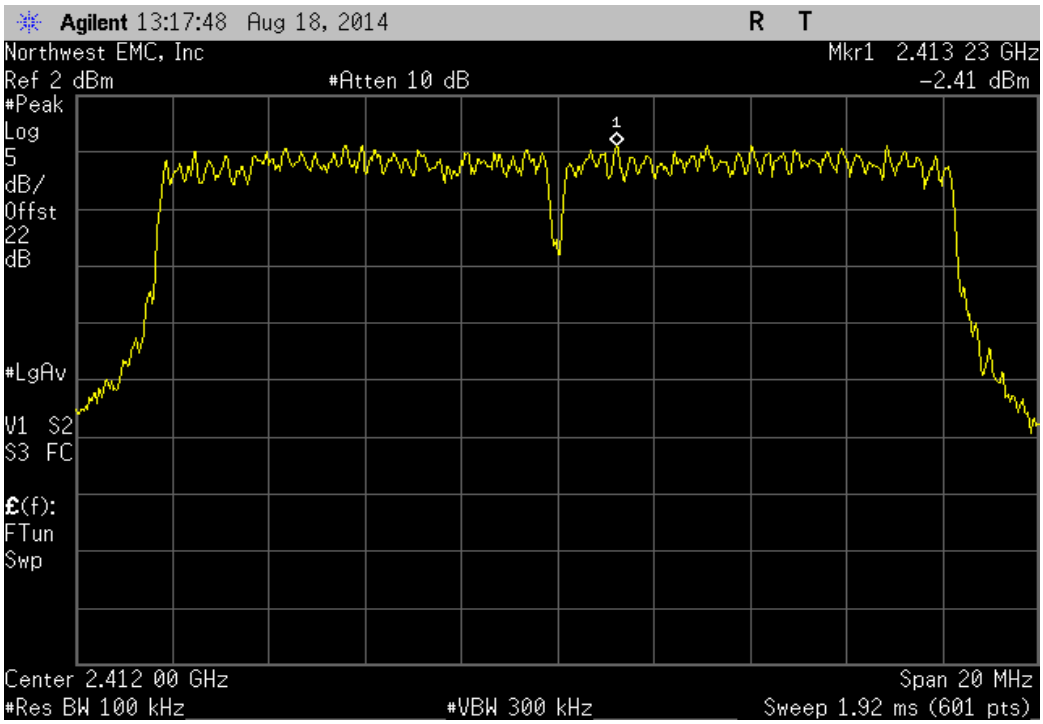
Port 1, 802.11(g) 6 Mbps, Mid Channel 6, 2437 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Results
		-2.54	-15.2	-17.74	8	Pass



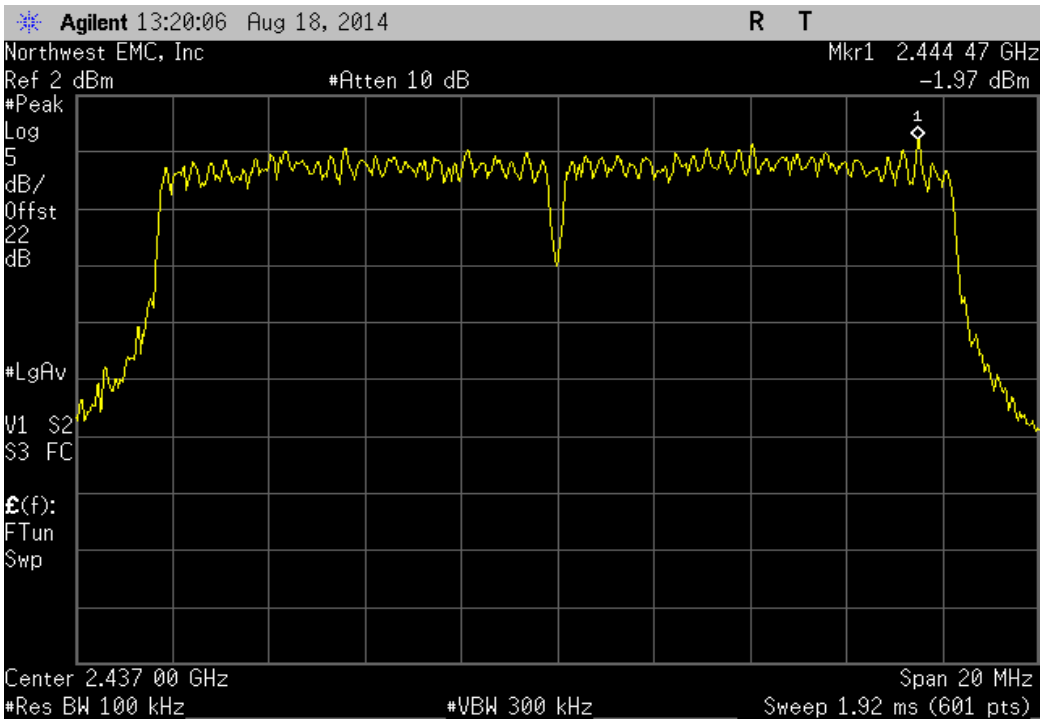
Port 1, 802.11(g) 6 Mbps, High Channel 11, 2462 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Results
		-3.746	-15.2	-18.946	8	Pass



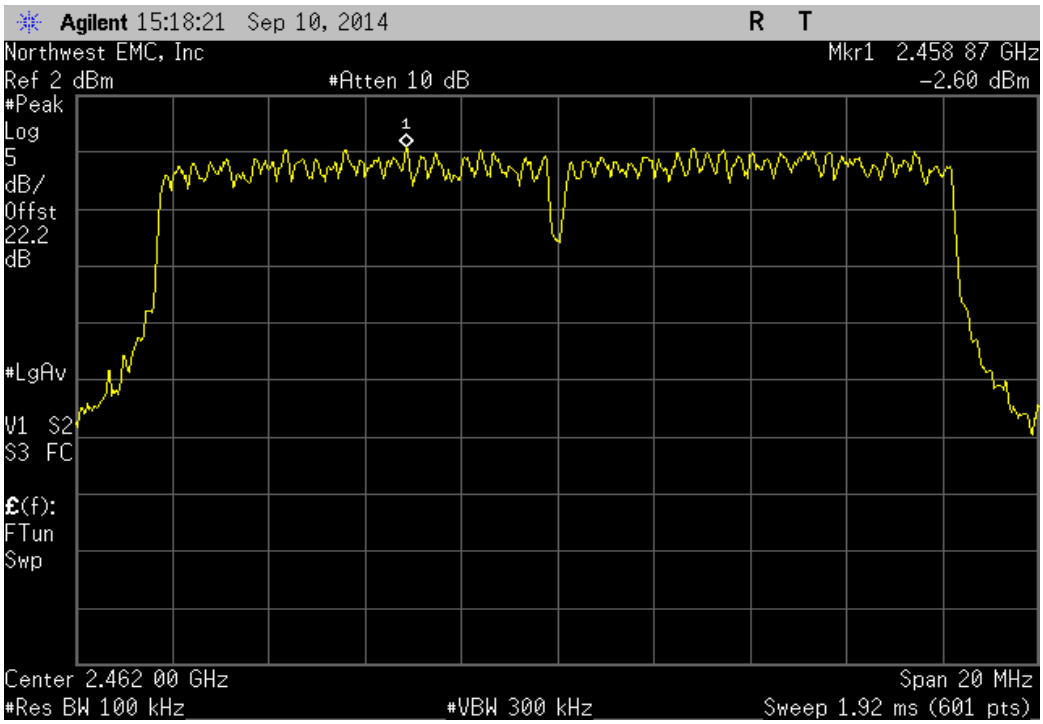
Port 1, 802.11(g) 36 Mbps, Low Channel 1, 2412 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Results
		-2.409	-15.2	-17.609	8	Pass



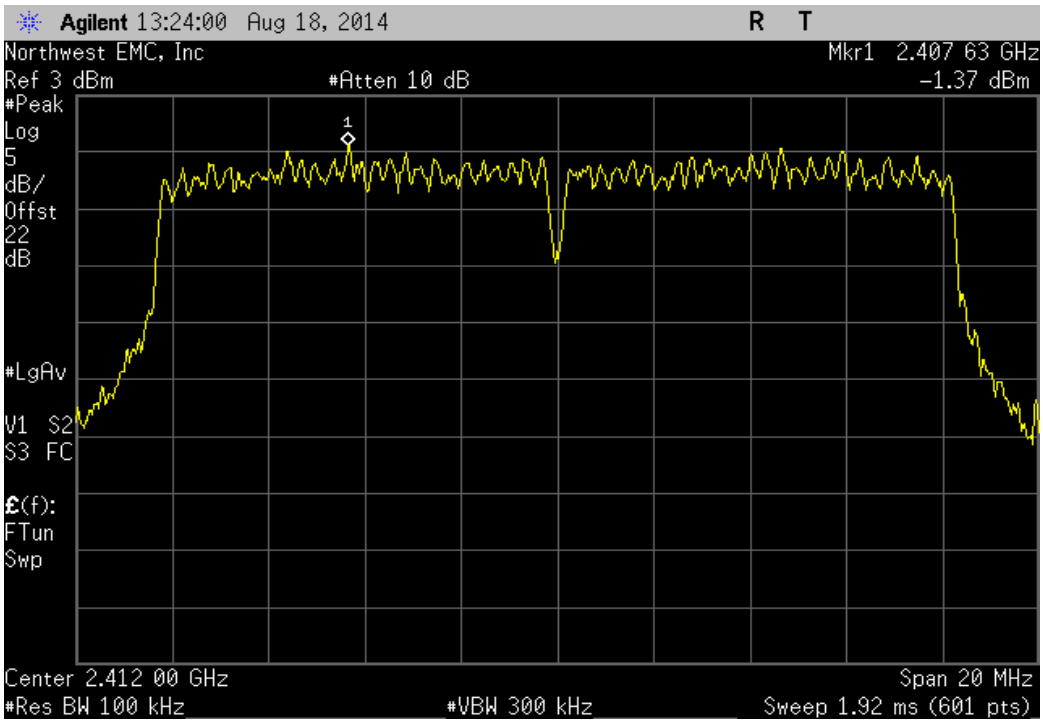
Port 1, 802.11(g) 36 Mbps, Mid Channel 6, 2437 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Results
		-1.97	-15.2	-17.17	8	Pass



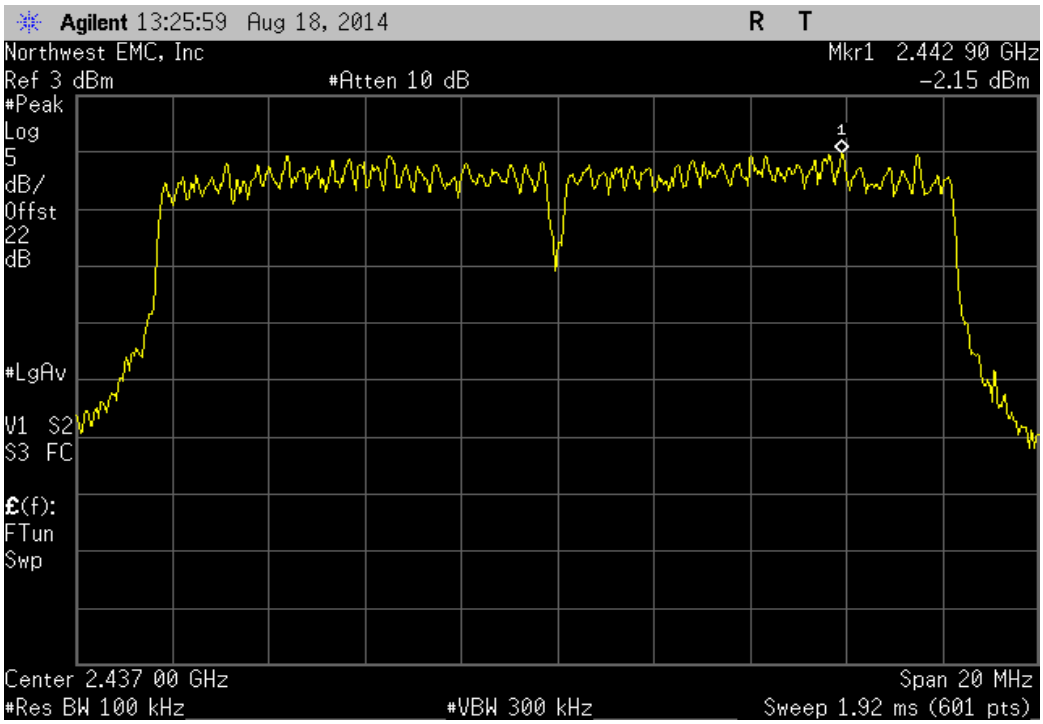
Port 1, 802.11(g) 36 Mbps, High Channel 11, 2462 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Results
		-2.599	-15.2	-17.799	8	Pass



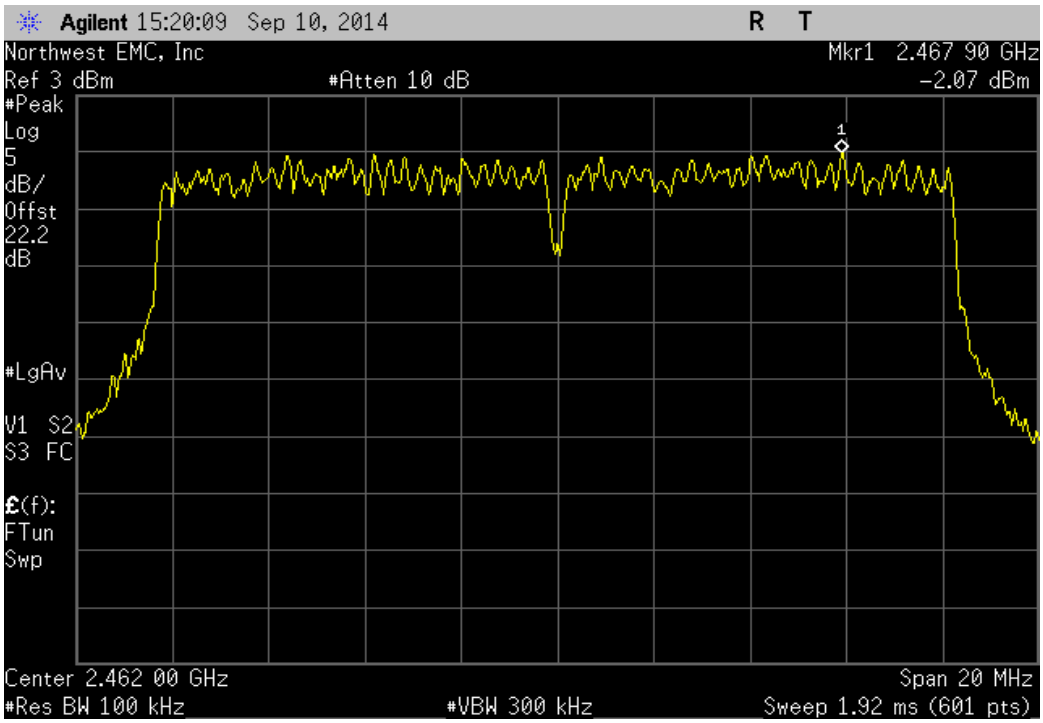
Port 1, 802.11(g) 54 Mbps, Low Channel 1, 2412 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Results
		-1.374	-15.2	-16.574	8	Pass



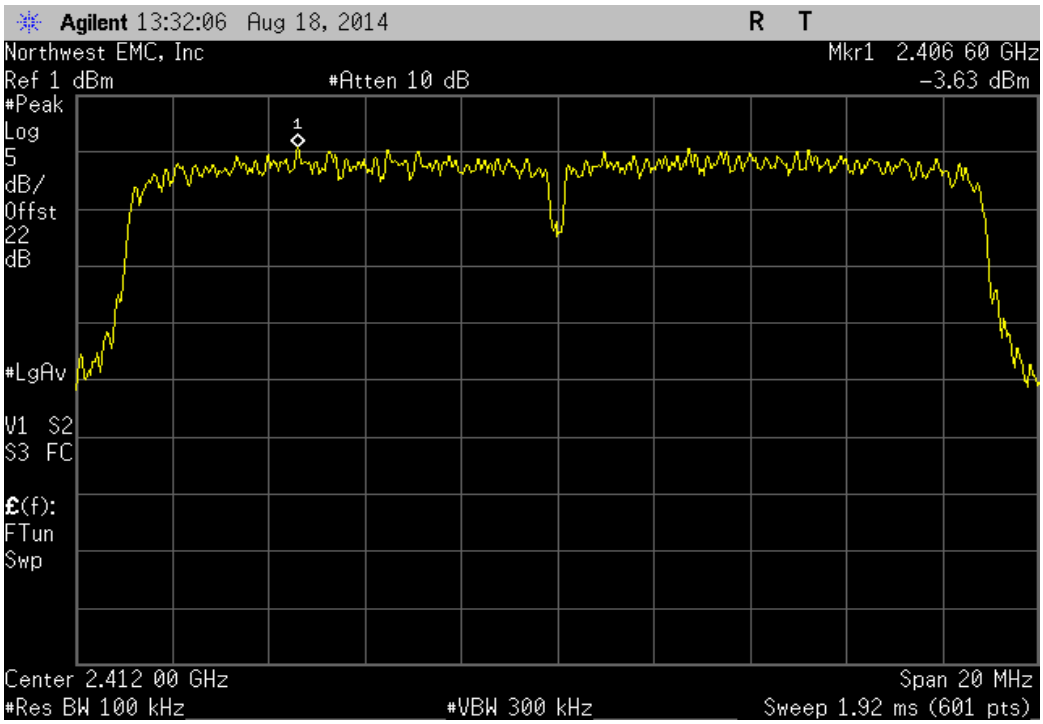
Port 1, 802.11(g) 54 Mbps, Mid Channel 6, 2437 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Results
		-2.15	-15.2	-17.35	8	Pass



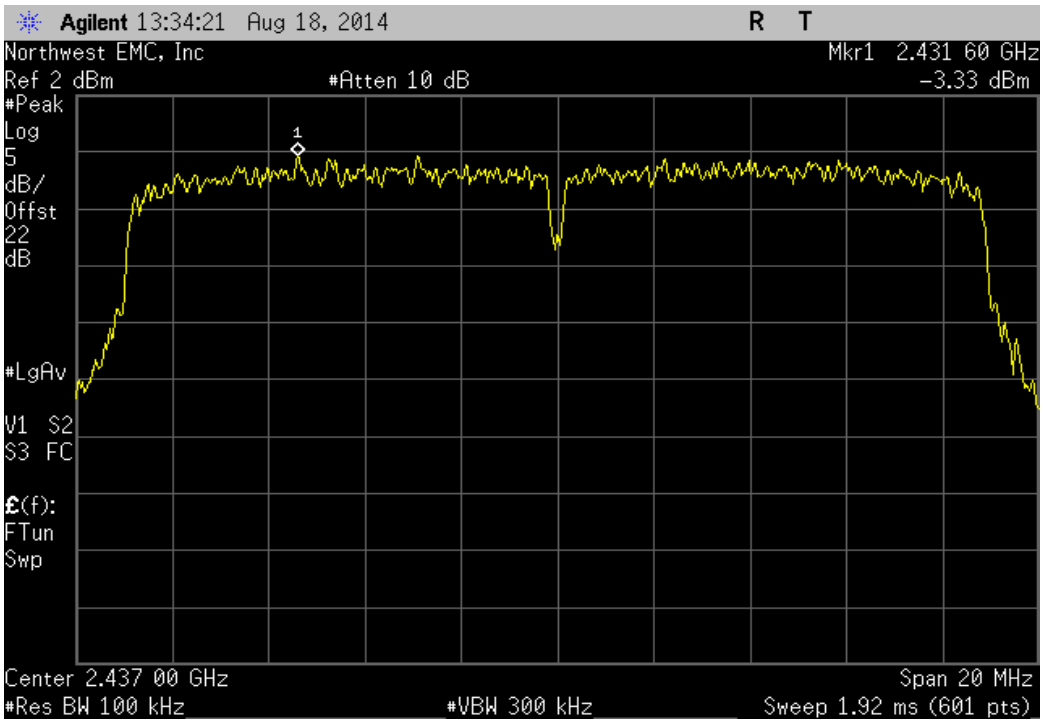
Port 1, 802.11(g) 54 Mbps, High Channel 11, 2462 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Results
		-2.074	-15.2	-17.274	8	Pass



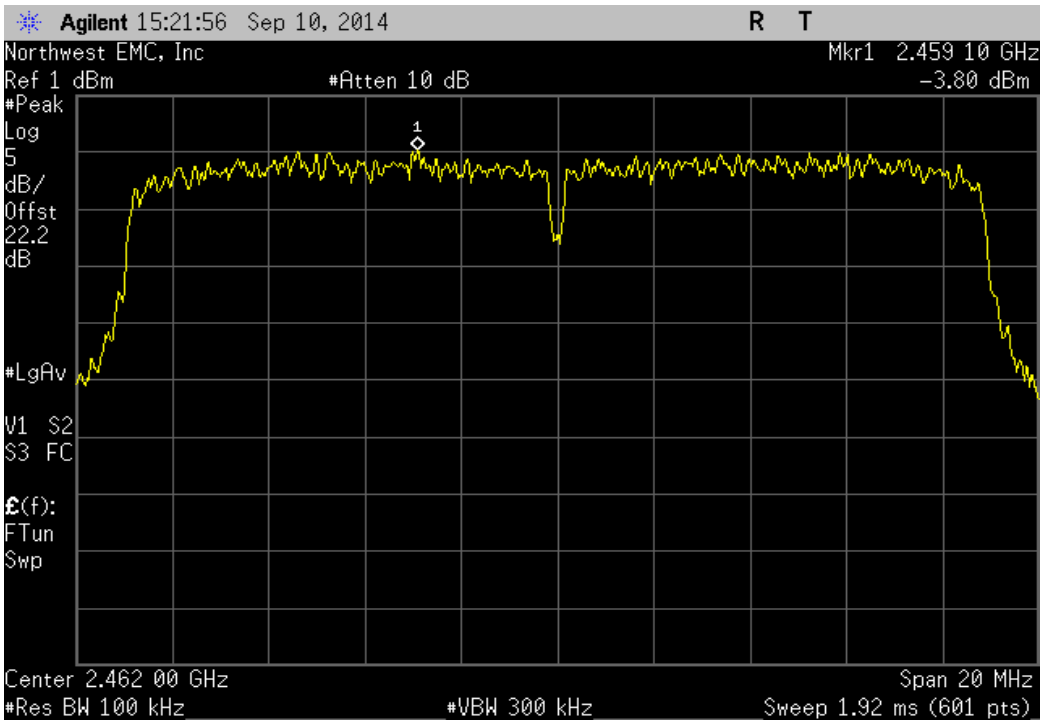
Port 1, 802.11(n) MCS0, Low Channel 1, 2412 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Results
		-3.631	-15.2	-18.831	8	Pass



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

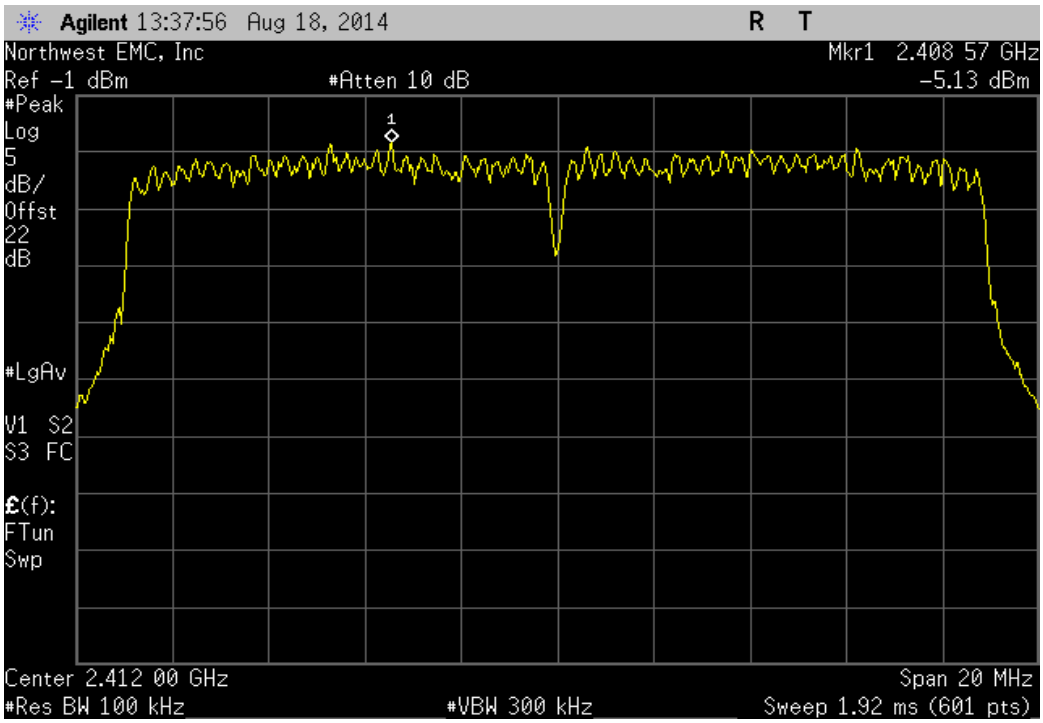


Port 1, 802.11(n) MCS0, High Channel 11, 2462 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Results
		-3.801	-15.2	-19.001	8	Pass

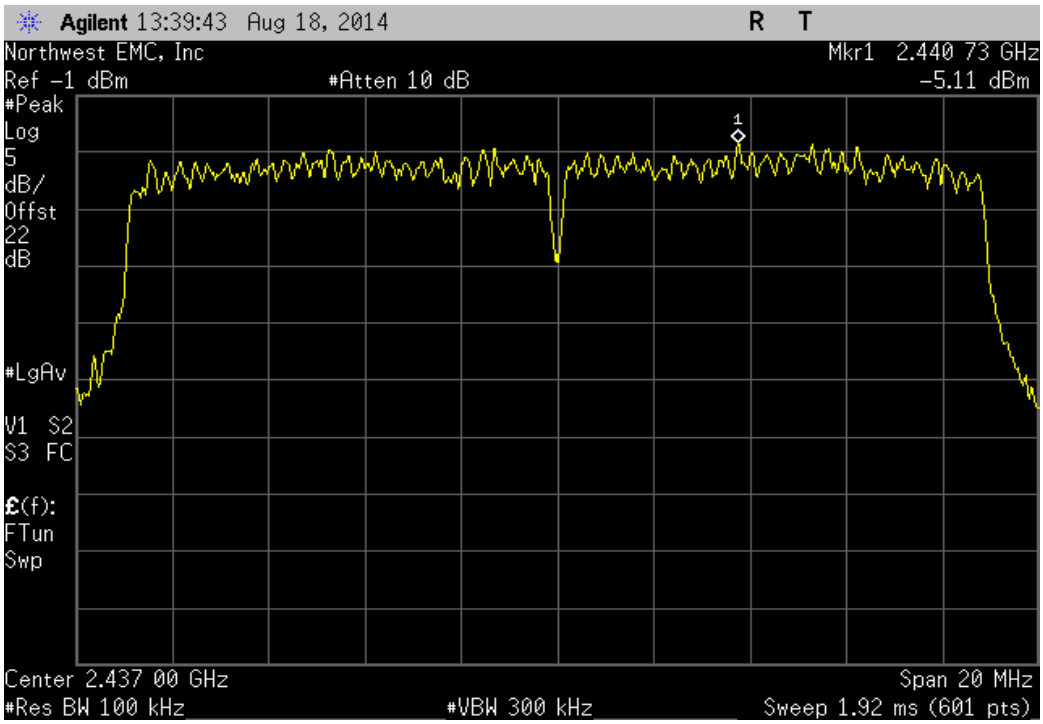


POWER SPECTRAL DENSITY

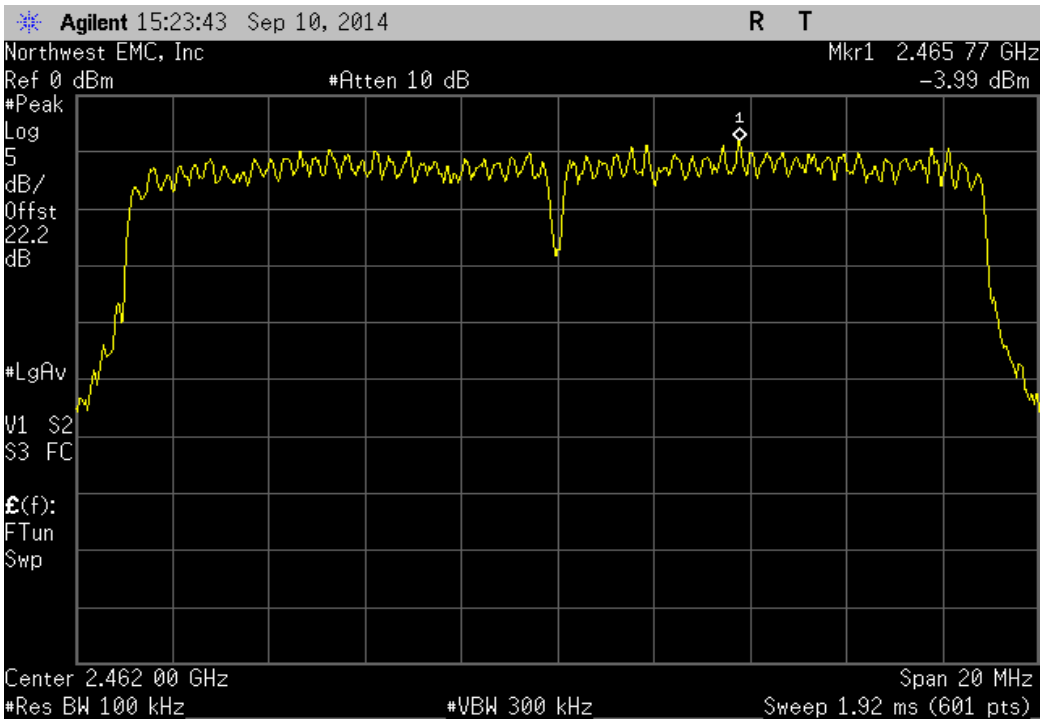
Port 1, 802.11(n) MCS7, Low Channel 1, 2412 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Results
		-5.131	-15.2	-20.331	8	Pass



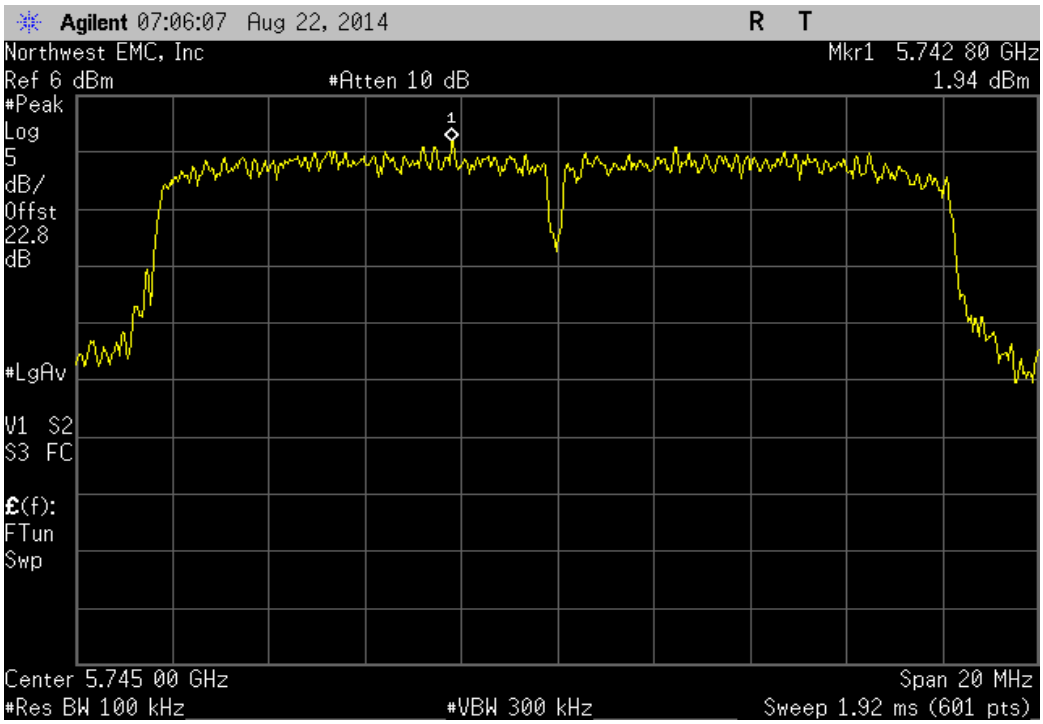
Port 1, 802.11(n) MCS7, Mid Channel 6, 2437 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Results
		-5.115	-15.2	-20.315	8	Pass



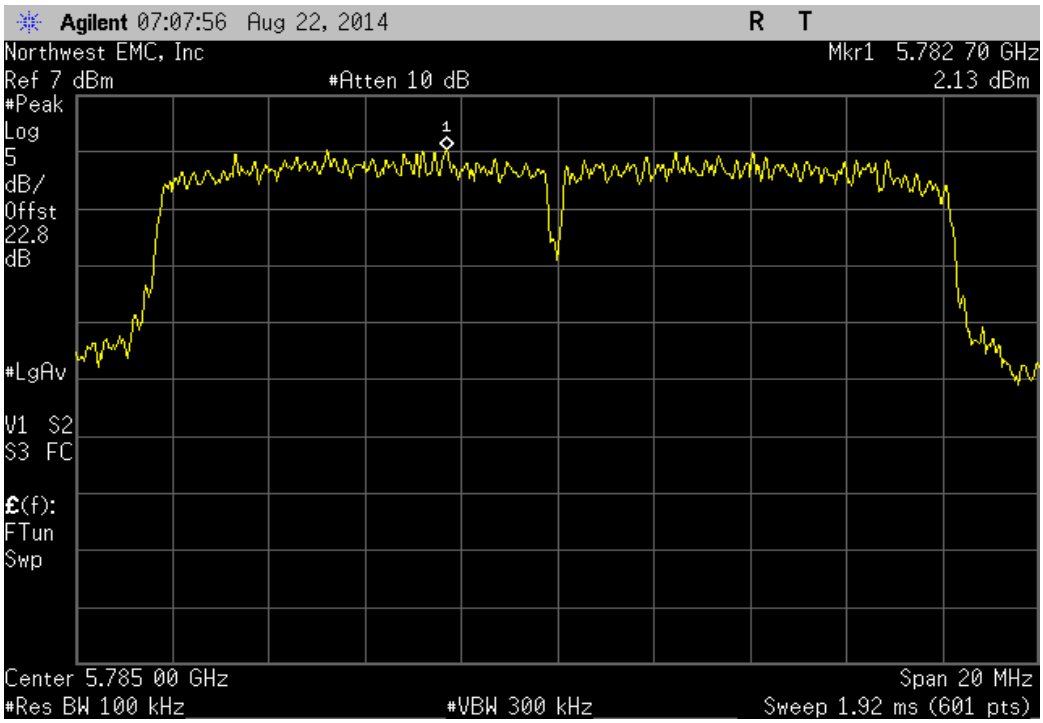
Port 1, 802.11(n) MCS7, High Channel 11, 2462 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Results
		-3.988	-15.2	-19.188	8	Pass



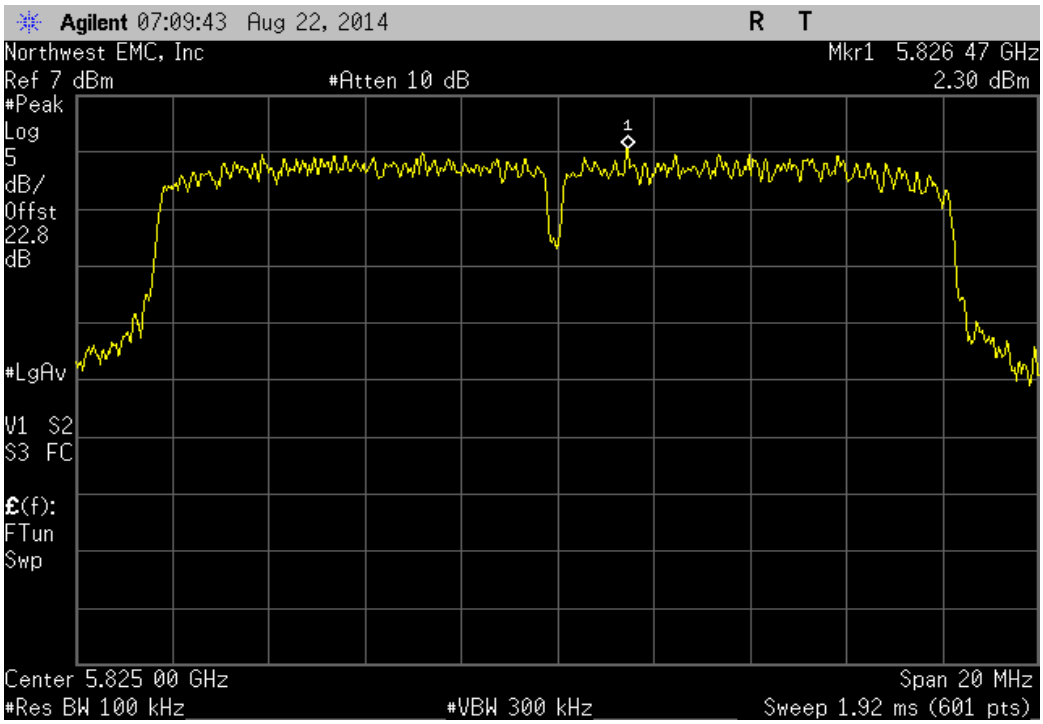
Port 1, 802.11(a) 6 Mbps, Low Channel 149, 5745 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Results
		1.938	-15.2	-13.262	8	Pass



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

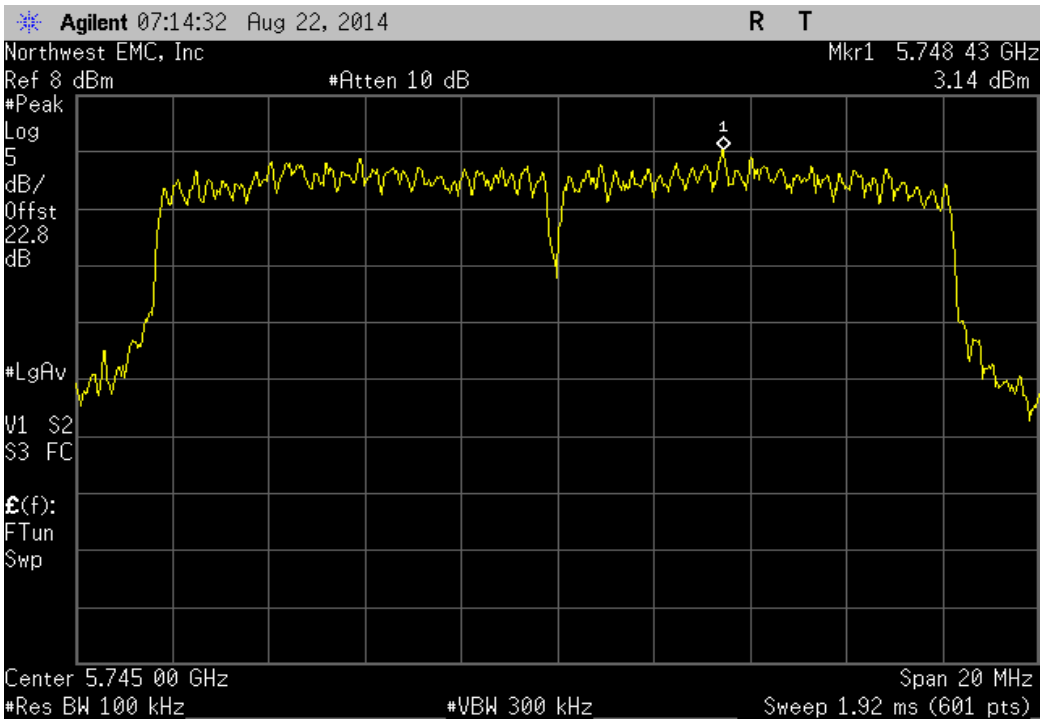


Port 1, 802.11(a) 6 Mbps, High Channel 165, 5825 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Results
		2.298	-15.2	-12.902	8	Pass



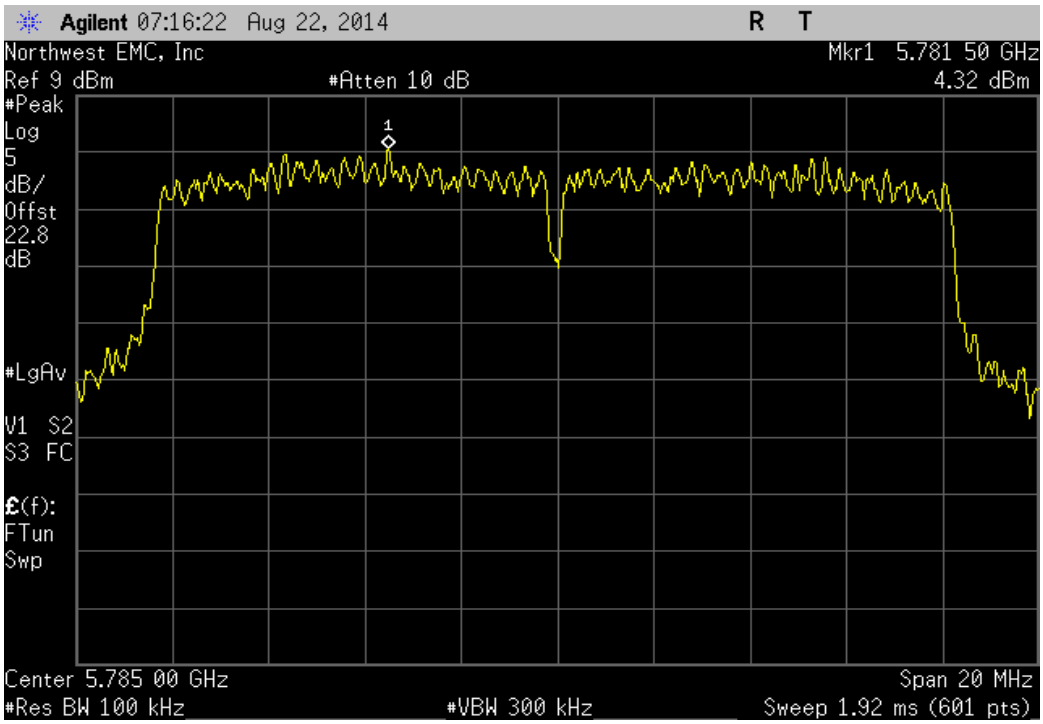
Port 1, 802.11(a) 36 Mbps, Low Channel 149, 5745 MHz

		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Results
		3.144	-15.2	-12.056	8	Pass

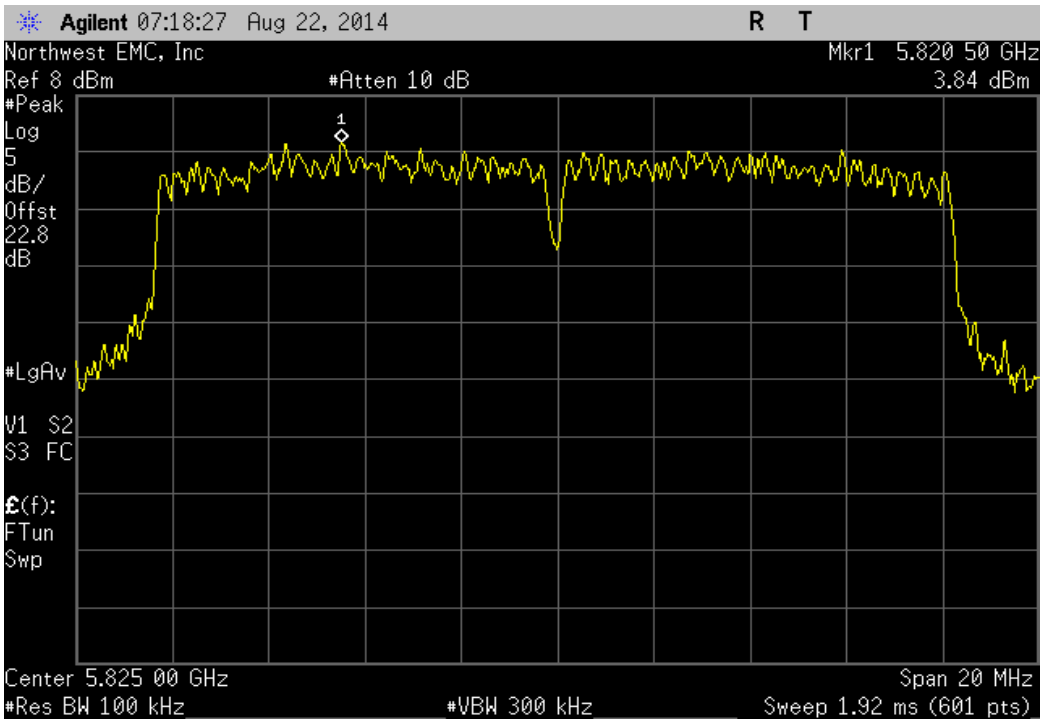


Port 1, 802.11(a) 36 Mbps, Mid Channel 157, 5785 MHz

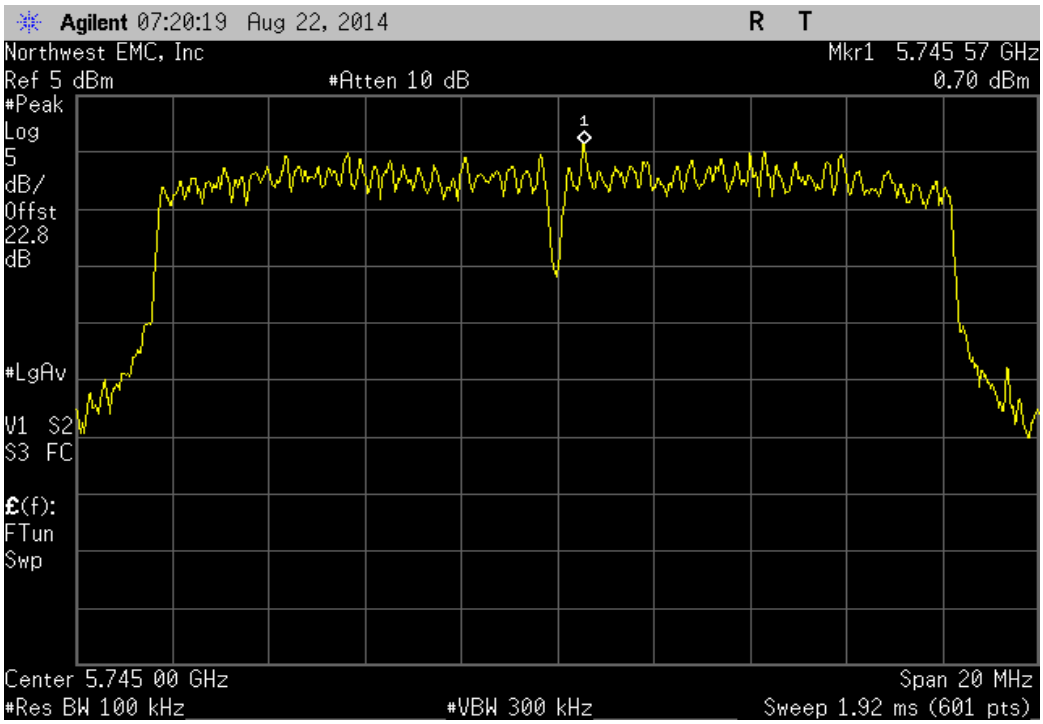
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Results
		4.323	-15.2	-10.877	8	Pass



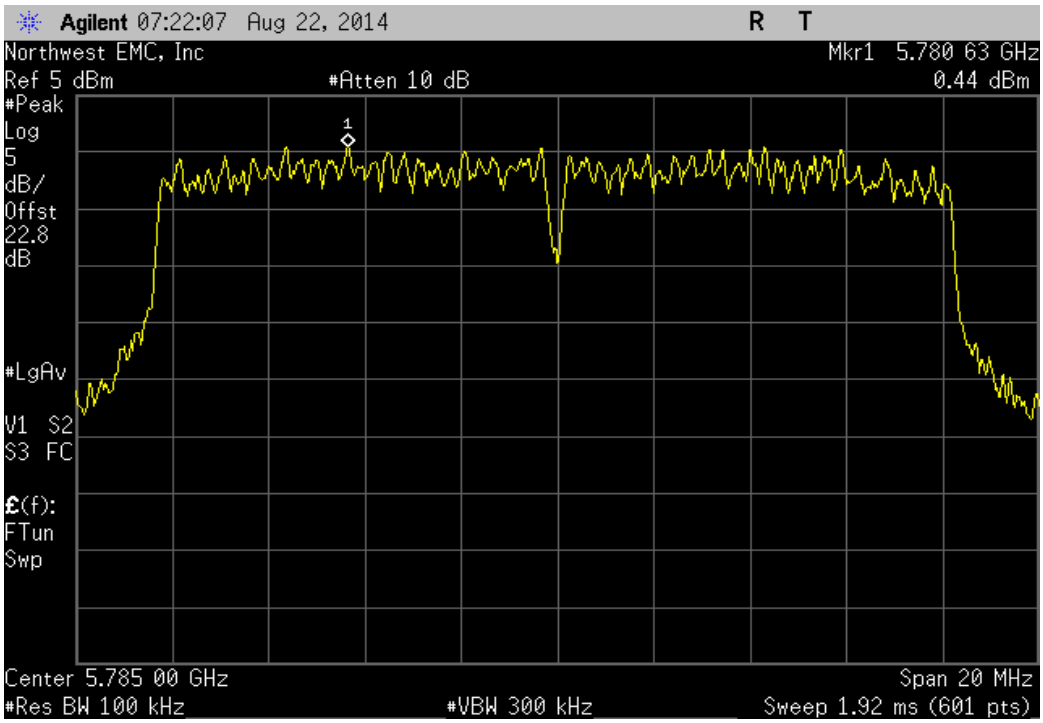
Port 1, 802.11(a) 36 Mbps, High Channel 165, 5825 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Results
		3.837	-15.2	-11.363	8	Pass



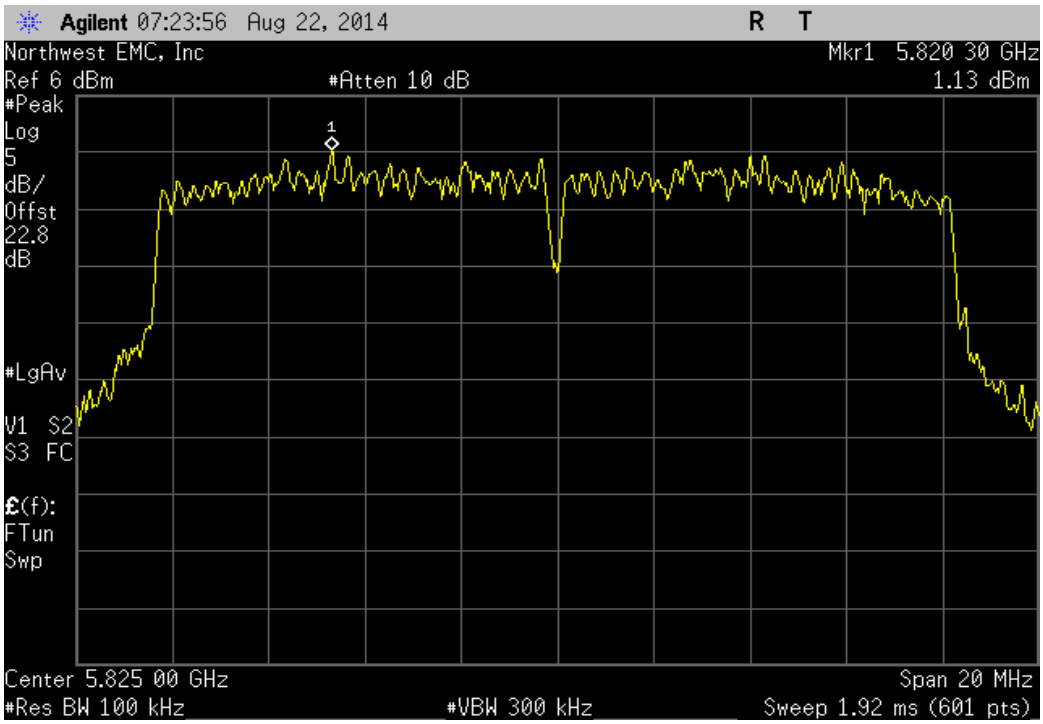
Port 1, 802.11(a) 54 Mbps, Low Channel 149, 5745 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Results
		0.7	-15.2	-14.5	8	Pass



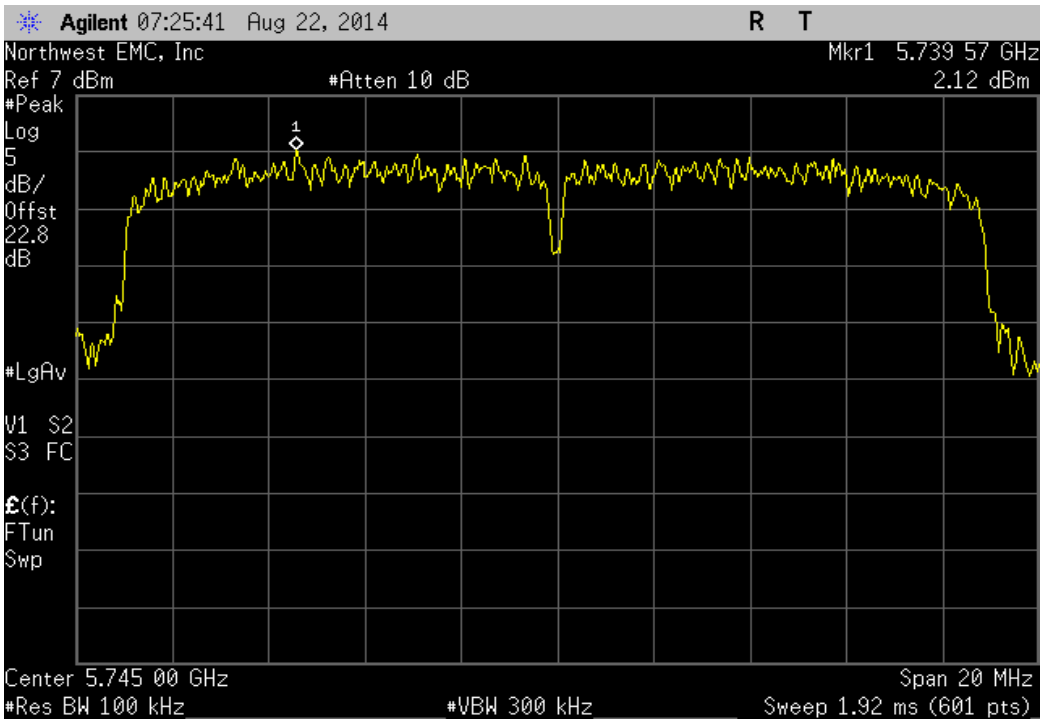
Port 1, 802.11(a) 54 Mbps, Mid Channel 157, 5785 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Results
		0.436	-15.2	-14.764	8	Pass



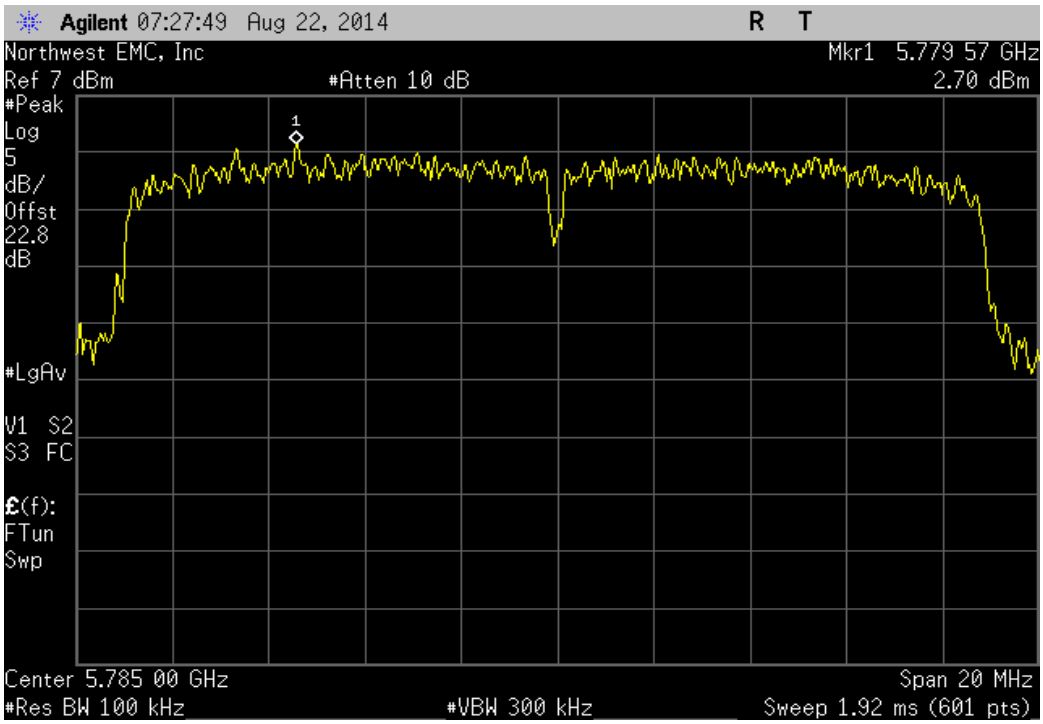
Port 1, 802.11(a) 54 Mbps, High Channel 165, 5825 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Results
		1.128	-15.2	-14.072	8	Pass



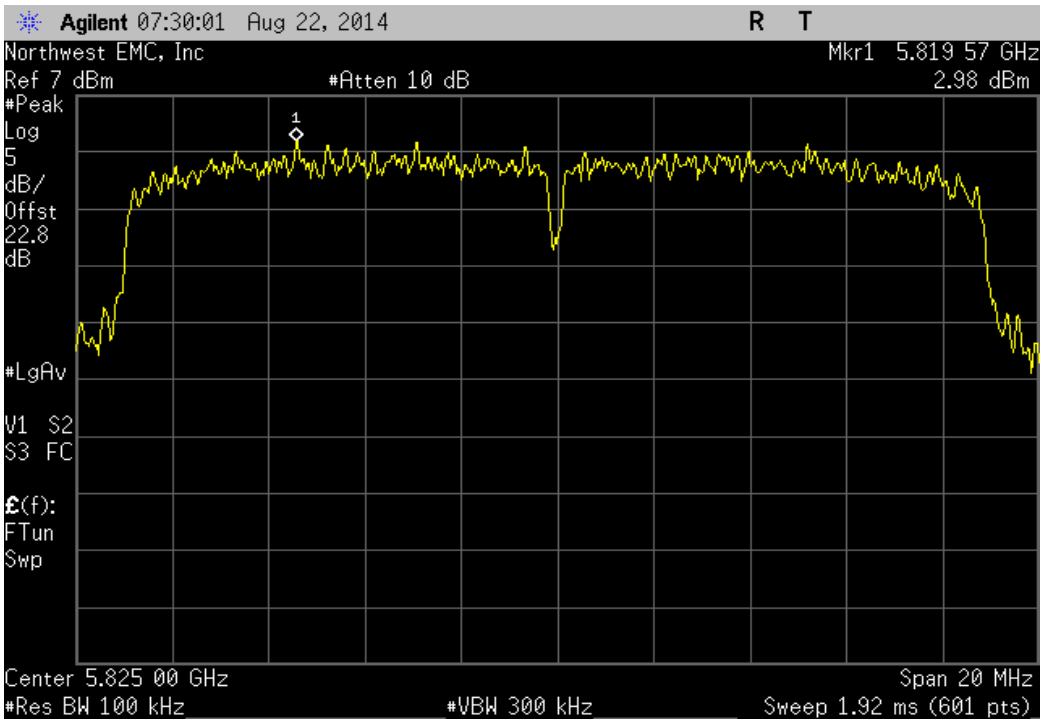
Port 1, 802.11(n) MCS0 - UNII, Low Channel 149, 5745 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Results
		2.122	-15.2	-13.078	8	Pass



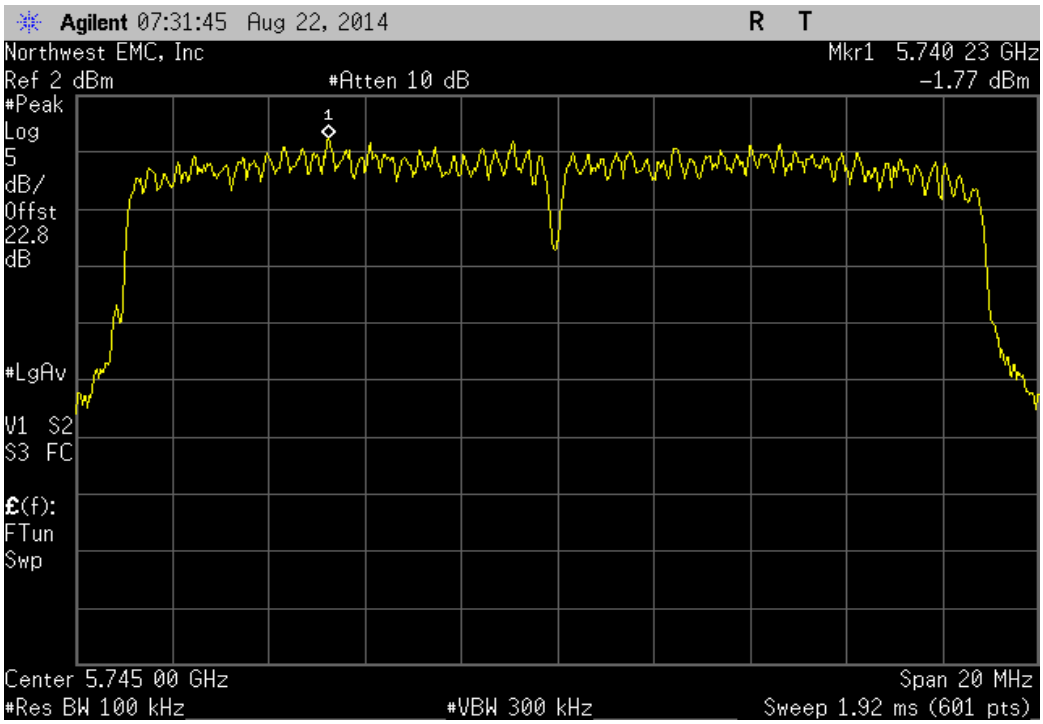
Port 1, 802.11(n) MCS0 - UNII, Mid Channel 157, 5785 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Results
		2.698	-15.2	-12.502	8	Pass



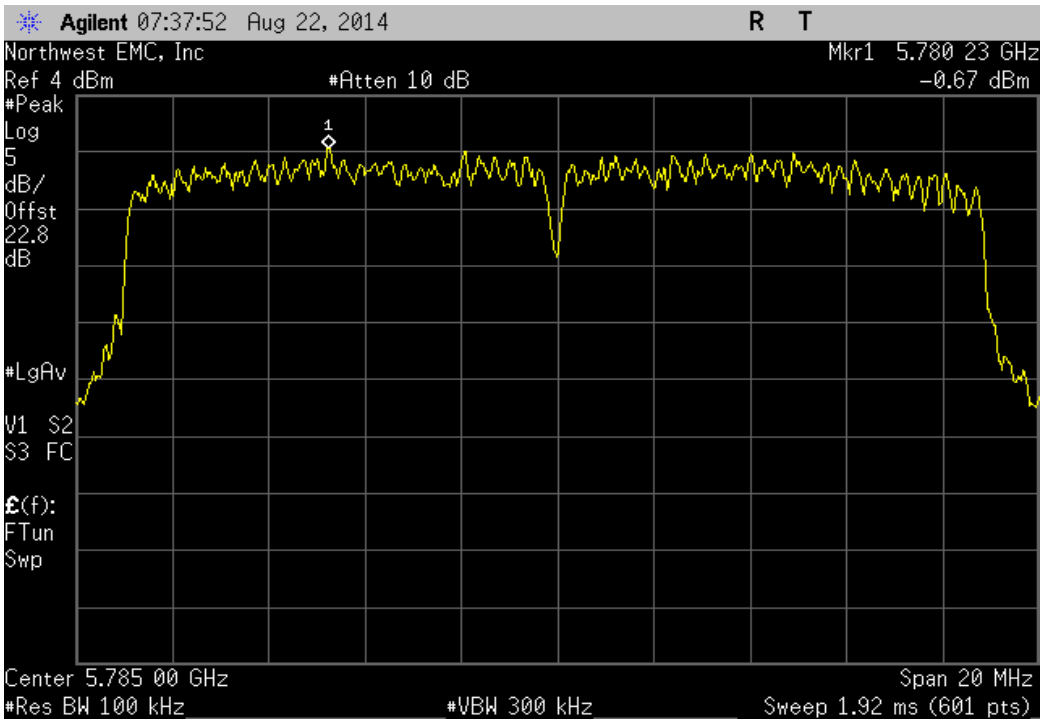
Port 1, 802.11(n) MCS0 - UNII, High Channel 165, 5825 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Results
		2.98	-15.2	-12.22	8	Pass



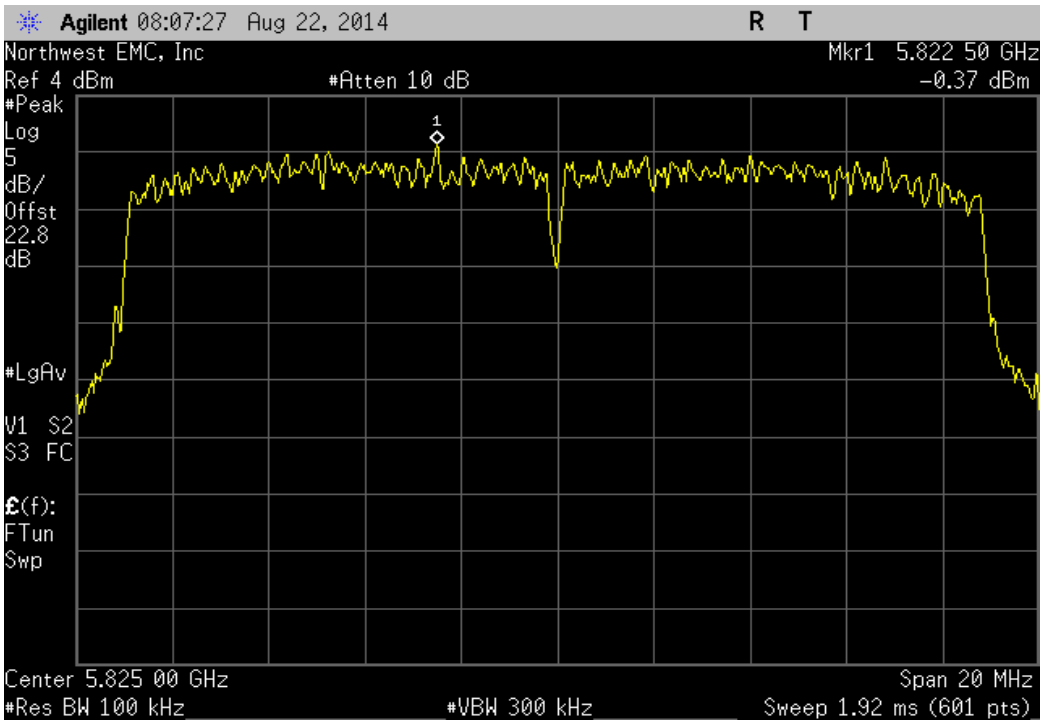
Port 1, 802.11(n) MCS7 - UNII, Low Channel 149, 5745 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Results
		-1.771	-15.2	-16.971	8	Pass



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



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