OUTPUT POWER - MIMO 3x3

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)
40GHz DC Block	Miteq	DCB4000	AMD	4/28/2014	12
Attenuator 20 dB, SMA M/F 26GHz	S.M. Electronics	SA26B-20	AUY	7/30/2013	12
EV06 Direct Connect Cable	ESM Cable Corp.	TT	ECA	NCR	0
Attenuator 6 dB, SMA M/F 26GHz	S.M. Electronics	SA26B-6	AUX	7/30/2013	12
Power Meter	Agilent	N1913A	SQR	4/29/2013	36
Power Sensor	Agilent	E9300H	SQO	4/29/2013	36
Spectrum Analyzer	Agilent	E4446A	AAQ	1/21/2014	24
MXG MW Analog Signal Generator 40 Gig	Agilent	N5183A	TID	9/19/2011	36

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 DTS 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.

Two methods found in the KDB 558074 DTS D01 were used for Measurement.
Section 9.1.1 was used because the RBW on the analyzer was greater than the DTS Bandwidth of the radio.
Section 9.1.2 was used because the DTS Bandwidth of the radio was greater than the RBW on the analyzer.
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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 - MIMO 3x3

EUT:	WavePoint - 5GHz Radio (W5800-01)	Work Order:	FREW0028
Serial Number:	00:07:E7:A0:01:F1	Date:	06/03/14
Customer:	FreeWave Technologies, Inc.	Temperature:	22.6°C
Attendees:	Dean Busch	Humidity:	43%
Project:	None	Barometric Pres.:	1018.7
Tested by:	Brandon Hobbs, Jared Ison	Job Site:	EV06
Power:	110VAC/60Hz		

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

COMMENTS

An additional 10dB 5watt attenuater was used inline for all measurements made while under test. Please reference the power table for power settings used while under test.

DEVIATIONS FROM TEST STANDARD

Configuration #	1	Signature

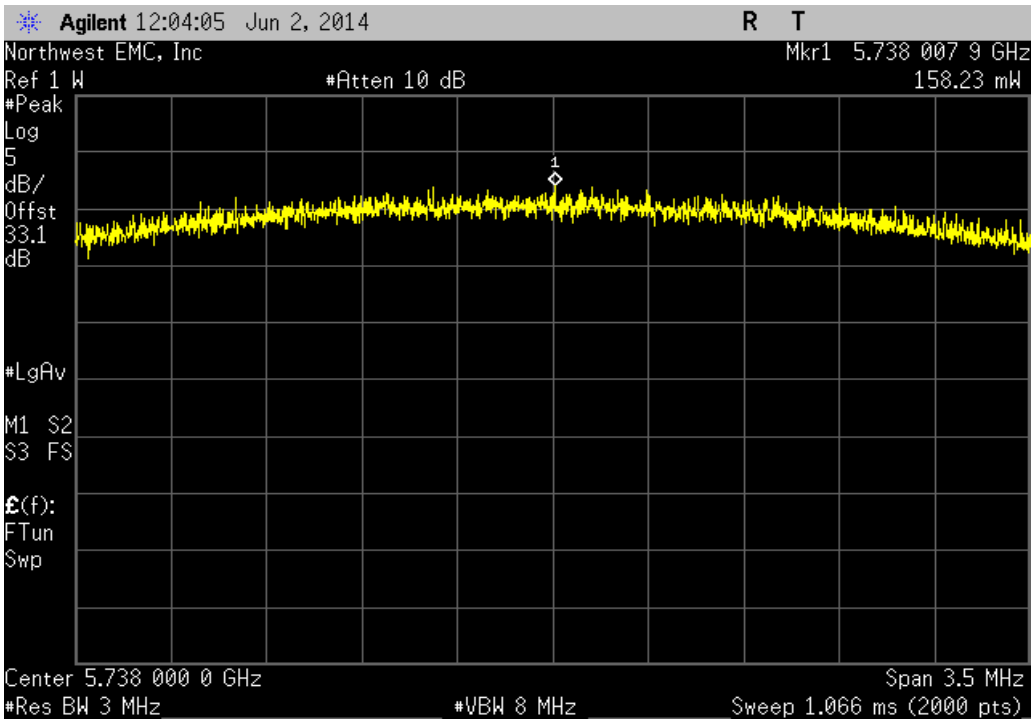
	Value	Limit	Result
Chain 1			
5725 MHz - 5850 MHz Band			
2.5MHz Bandwidth			
3x3 Modulation Type, BPSK, Coding Rate, 1/2.			
Low Channel 668, 5738MHz	158.234 mW	< 1 W	Pass
Mid Channel 713, 5783MHz	145.613 mW	< 1 W	Pass
High Channel 761, 5831MHz	124.337 mW	< 1 W	Pass
3x3 Modulation Type, 64-QAM, Coding Rate, 5/6.			
Low Channel 668, 5738MHz	151.461 mW	< 1 W	Pass
Mid Channel 713, 5783MHz	157.688 mW	< 1 W	Pass
High Channel 761, 5831MHz	123.027 mW	< 1 W	Pass
5MHz Bandwidth			
3x3 Modulation Type, BPSK, Coding Rate, 1/2.			
Low Channel 669, 5739MHz	146.251 mW	< 1 W	Pass
Mid Channel 714, 5784MHz	133.598 mW	< 1 W	Pass
High Channel 759, 5829MHz	117.842 mW	< 1 W	Pass
3x3 Modulation Type, 64-QAM, Coding Rate, 5/6.			
Low Channel 669, 5739MHz	149.555 mW	< 1 W	Pass
Mid Channel 714, 5784MHz	133.107 mW	< 1 W	Pass
High Channel 759, 5829MHz	121.675 mW	< 1 W	Pass
10MHz Bandwidth			
3x3 Modulation Type, BPSK, Coding Rate, 1/2.			
Low Channel 672, 5742MHz	86.939 mW	< 1 W	Pass
Mid Channel 712, 5782MHz	83.087 mW	< 1 W	Pass
High Channel 757, 5827MHz	75.215 mW	< 1 W	Pass
3x3 Modulation Type, 64-QAM, Coding Rate, 5/6.			
Low Channel 672, 5742MHz	89.268 mW	< 1 W	Pass
Mid Channel 712, 5782MHz	81.329 mW	< 1 W	Pass
High Channel 757, 5827MHz	72.713 mW	< 1 W	Pass
Chain 2			
5725 MHz - 5850 MHz Band			
2.5MHz Bandwidth			
3x3 Modulation Type, BPSK, Coding Rate, 1/2.			
Low Channel 668, 5738MHz	123.908 mW	< 1 W	Pass
Mid Channel 713, 5783MHz	117.274 mW	< 1 W	Pass
High Channel 761, 5831MHz	88.859 mW	< 1 W	Pass
3x3 Modulation Type, 64-QAM, Coding Rate, 5/6.			
Low Channel 668, 5738MHz	121.311 mW	< 1 W	Pass
Mid Channel 713, 5783MHz	109.597 mW	< 1 W	Pass
High Channel 761, 5831MHz	86.06 mW	< 1 W	Pass
5MHz Bandwidth			
3x3 Modulation Type, BPSK, Coding Rate, 1/2.			
Low Channel 669, 5739MHz	157.253 mW	< 1 W	Pass
Mid Channel 714, 5784MHz	130.017 mW	< 1 W	Pass
High Channel 759, 5829MHz	107.795 mW	< 1 W	Pass
3x3 Modulation Type, 64-QAM, Coding Rate, 5/6.			
Low Channel 669, 5739MHz	155.274 mW	< 1 W	Pass
Mid Channel 714, 5784MHz	136.49 mW	< 1 W	Pass
High Channel 759, 5829MHz	117.409 mW	< 1 W	Pass
10MHz Bandwidth			
3x3 Modulation Type, BPSK, Coding Rate, 1/2.			
Low Channel 672, 5742MHz	137.381 mW	< 1 W	Pass
Mid Channel 712, 5782MHz	120.405 mW	< 1 W	Pass
High Channel 757, 5827MHz	99.482 mW	< 1 W	Pass
3x3 Modulation Type, 64-QAM, Coding Rate, 5/6.			
Low Channel 672, 5742MHz	128.807 mW	< 1 W	Pass
Mid Channel 712, 5782MHz	118.906 mW	< 1 W	Pass
High Channel 757, 5827MHz	101.139 mW	< 1 W	Pass
Chain 3			
5725 MHz - 5850 MHz Band			
2.5MHz Bandwidth			
3x3 Modulation Type, BPSK, Coding Rate, 1/2.			
Low Channel 668, 5738MHz	135.863 mW	< 1 W	Pass
Mid Channel 713, 5783MHz	121.143 mW	< 1 W	Pass
High Channel 761, 5831MHz	91.033 mW	< 1 W	Pass
3x3 Modulation Type, 64-QAM, Coding Rate, 5/6.			
Low Channel 668, 5738MHz	134.958 mW	< 1 W	Pass
Mid Channel 713, 5783MHz	124.308 mW	< 1 W	Pass
High Channel 761, 5831MHz	84.14 mW	< 1 W	Pass
5MHz Bandwidth			
3x3 Modulation Type, BPSK, Coding Rate, 1/2.			
Low Channel 669, 5739MHz	133.875 mW	< 1 W	Pass
Mid Channel 714, 5784MHz	111.301 mW	< 1 W	Pass
High Channel 759, 5829MHz	77.482 mW	< 1 W	Pass
3x3 Modulation Type, 64-QAM, Coding Rate, 5/6.			
Low Channel 669, 5739MHz	138.931 mW	< 1 W	Pass
Mid Channel 714, 5784MHz	104.4 mW	< 1 W	Pass
High Channel 759, 5829MHz	76.577 mW	< 1 W	Pass
10MHz Bandwidth			
3x3 Modulation Type, BPSK, Coding Rate, 1/2.			
Low Channel 672, 5742MHz	138.201 mW	< 1 W	Pass
Mid Channel 712, 5782MHz	119.096 mW	< 1 W	Pass
High Channel 757, 5827MHz	88.351 mW	< 1 W	Pass
3x3 Modulation Type, 64-QAM, Coding Rate, 5/6.			
Low Channel 672, 5742MHz	135.421 mW	< 1 W	Pass
Mid Channel 712, 5782MHz	118.871 mW	< 1 W	Pass
High Channel 757, 5827MHz	87.756 mW	< 1 W	Pass

Chain 1,2,3								
2400 MHz - 2483.5 MHz Band		Chain 1		Chain 2		Chain 3		Summed Power
2.5MHz Bandwidth								
802.11(n) MCS16		(dBm)	(mW)	(dBm)	(mW)	(dBm)	(mW)	(mW)
	Low Channel 668, 5738MHz	N/A	158.234000	N/A	123.908000	N/A	135.863000	418.005000
	Mid Channel 713, 5783MHz	N/A	145.613000	N/A	117.274000	N/A	121.143000	384.030000
	High Channel 761, 5831MHz	N/A	124.337000	N/A	88.859000	N/A	91.033000	304.229000
802.11(n) MCS23								
	Low Channel 668, 5738MHz	N/A	151.461000	N/A	121.311000	N/A	134.958000	407.730000
	Mid Channel 713, 5783MHz	N/A	157.688000	N/A	109.597000	N/A	124.308000	391.593000
	High Channel 761, 5831MHz	N/A	123.027000	N/A	86.060000	N/A	84.140000	293.227000
5MHz Bandwidth								
802.11(n) MCS16								
	Low Channel 669, 5739MHz	N/A	146.251000	N/A	157.253000	N/A	133.875000	437.379000
	Mid Channel 714, 5784MHz	N/A	133.598000	N/A	130.017000	N/A	111.301000	374.916000
	High Channel 759, 5829MHz	N/A	117.842000	N/A	107.795000	N/A	77.482000	303.119000
802.11(n) MCS23								
	Low Channel 669, 5739MHz	N/A	149.555000	N/A	155.274000	N/A	138.931000	443.760000
	Mid Channel 714, 5784MHz	N/A	133.107000	N/A	136.490000	N/A	104.400000	373.997000
	High Channel 759, 5829MHz	N/A	121.675000	N/A	117.409000	N/A	76.577000	315.661000
10MHz Bandwidth								
802.11(n) MCS16								
	Low Channel 672, 5742MHz	N/A	86.939000	N/A	137.381000	N/A	138.201000	362.521000
	Mid Channel 712, 5782MHz	N/A	83.087000	N/A	120.405000	N/A	119.096000	322.588000
	High Channel 757, 5827MHz	N/A	75.215000	N/A	99.482000	N/A	88.351000	263.048000
802.11(n) MCS23								
	Low Channel 672, 5742MHz	N/A	89.268000	N/A	128.807000	N/A	135.421000	353.496000
	Mid Channel 712, 5782MHz	N/A	81.329000	N/A	118.906000	N/A	118.871000	319.106000
	High Channel 757, 5827MHz	N/A	72.713000	N/A	101.139000	N/A	87.756000	261.608000

OUTPUT POWER - MIMO 3x3

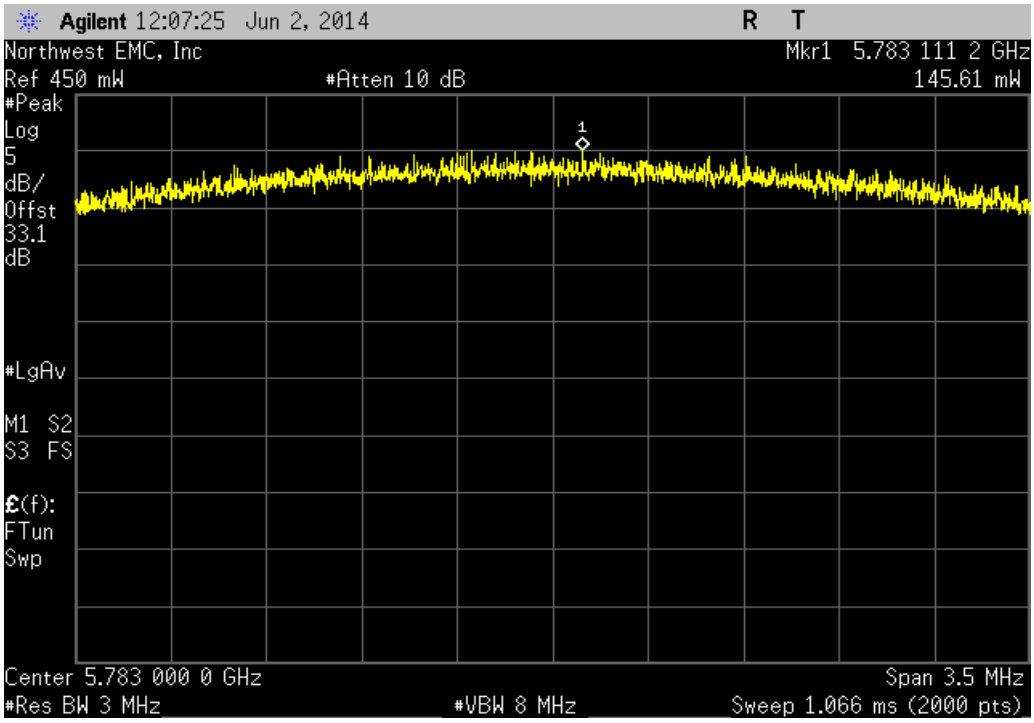
Chain 1 , 5725 MHz - 5850 MHz Band, 2.5MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., Low Channel 668, 5738MHz

				Value	Limit	Result
				158.234 mW	< 1 W	Pass



Chain 1 , 5725 MHz - 5850 MHz Band, 2.5MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., Mid Channel 713, 5783MHz

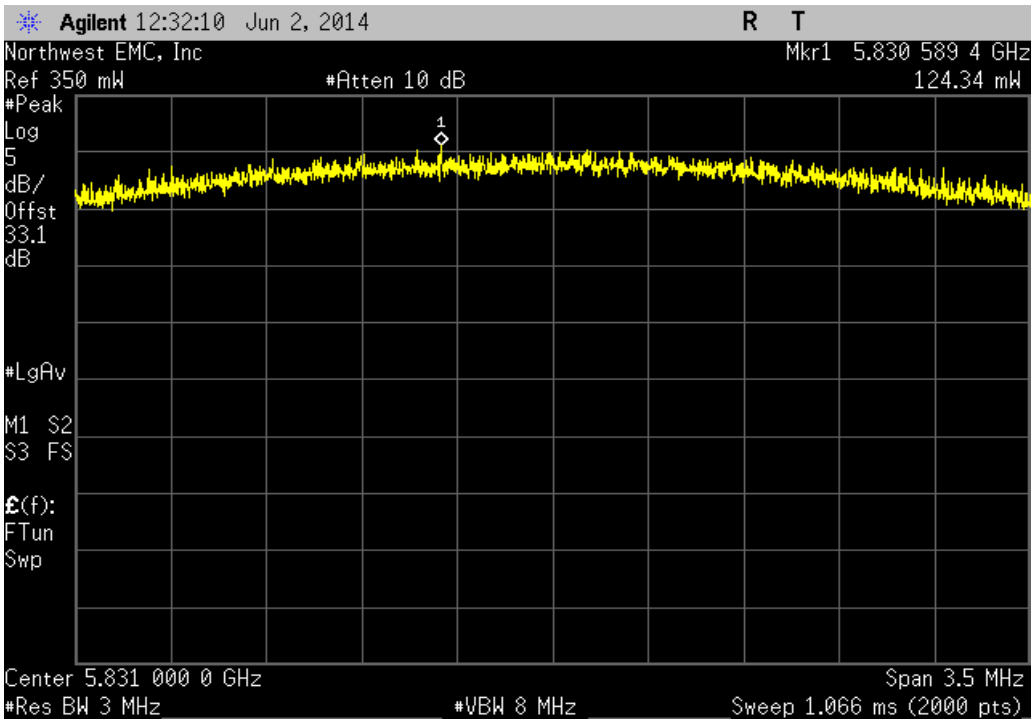
				Value	Limit	Result
				145.613 mW	< 1 W	Pass



OUTPUT POWER - MIMO 3x3

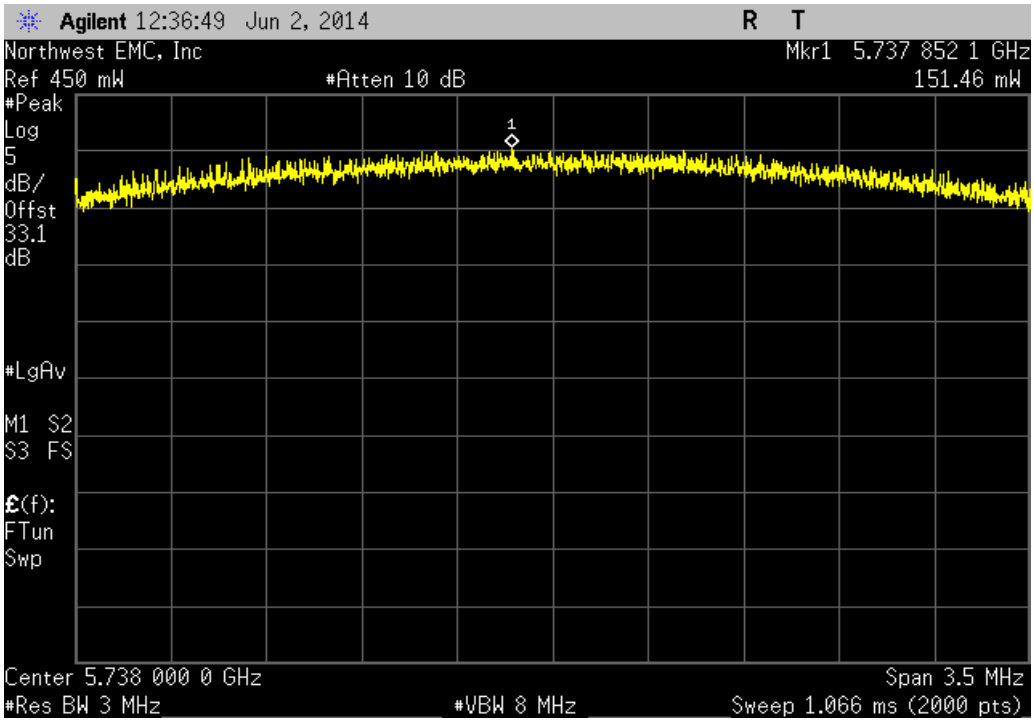
Chain 1 , 5725 MHz - 5850 MHz Band, 2.5MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., High Channel 761, 5831MHz

				Value	Limit	Result
				124.337 mW	< 1 W	Pass



Chain 1 , 5725 MHz - 5850 MHz Band, 2.5MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., Low Channel 668, 5738MHz

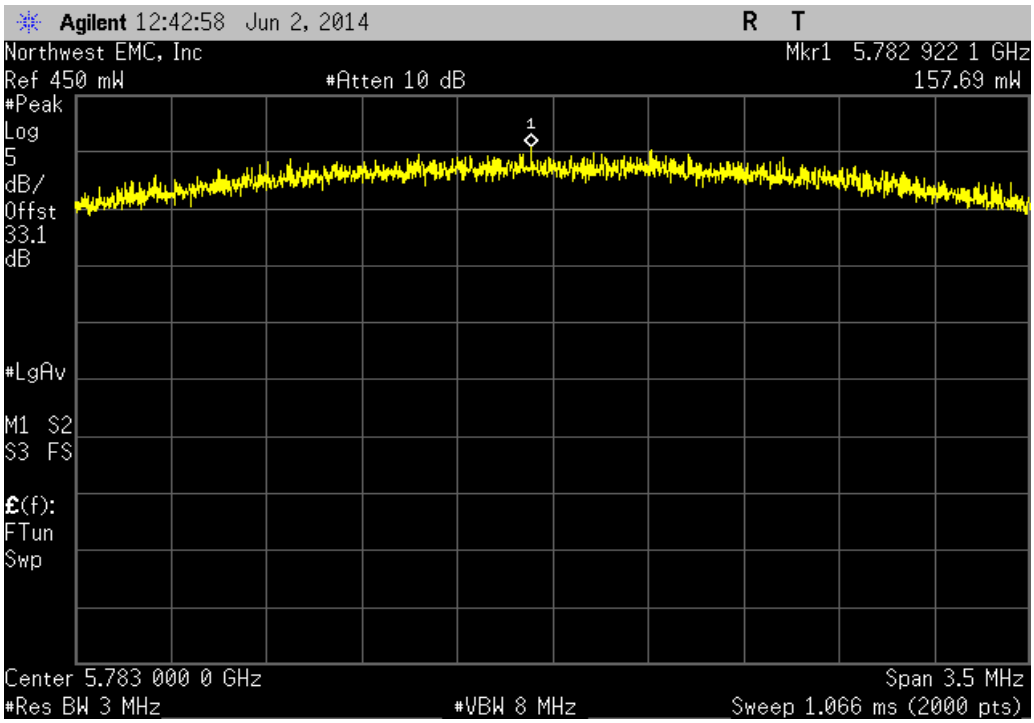
				Value	Limit	Result
				151.461 mW	< 1 W	Pass



OUTPUT POWER - MIMO 3x3

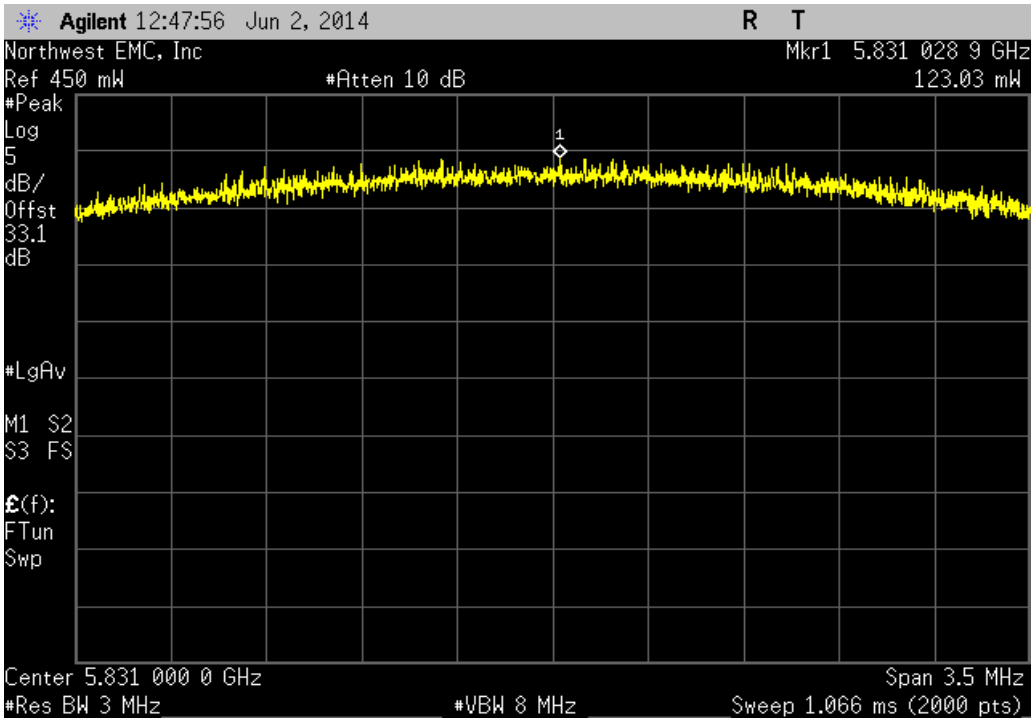
Chain 1 , 5725 MHz - 5850 MHz Band, 2.5MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., Mid Channel 713, 5783MHz

				Value	Limit	Result
				157.688 mW	< 1 W	Pass



Chain 1 , 5725 MHz - 5850 MHz Band, 2.5MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., High Channel 761, 5831MHz

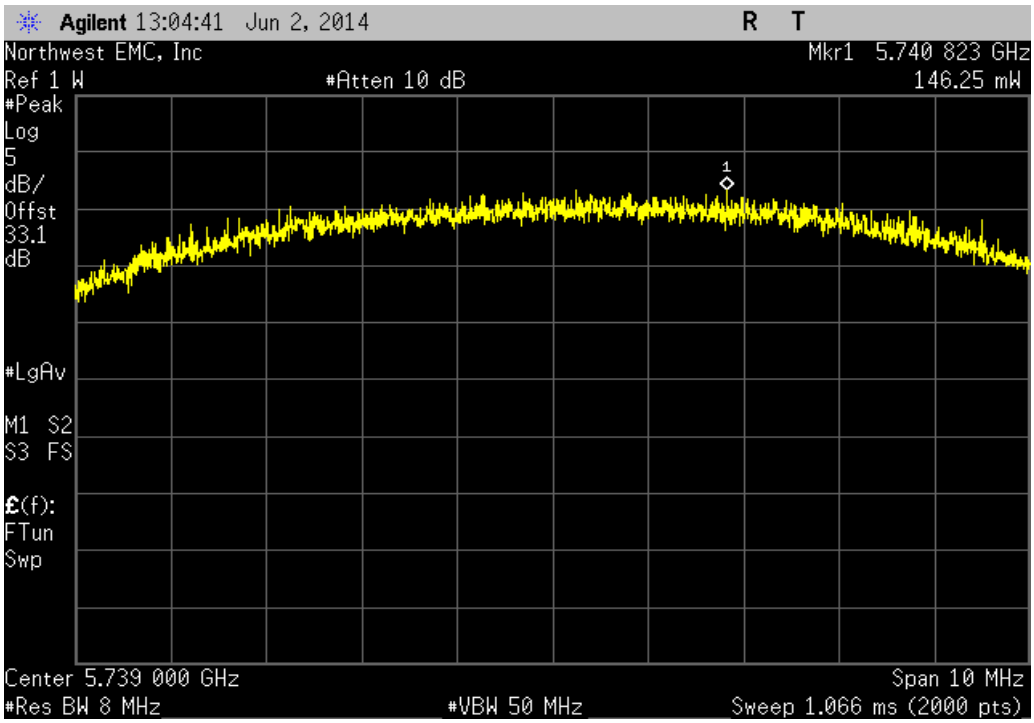
				Value	Limit	Result
				123.027 mW	< 1 W	Pass



OUTPUT POWER - MIMO 3x3

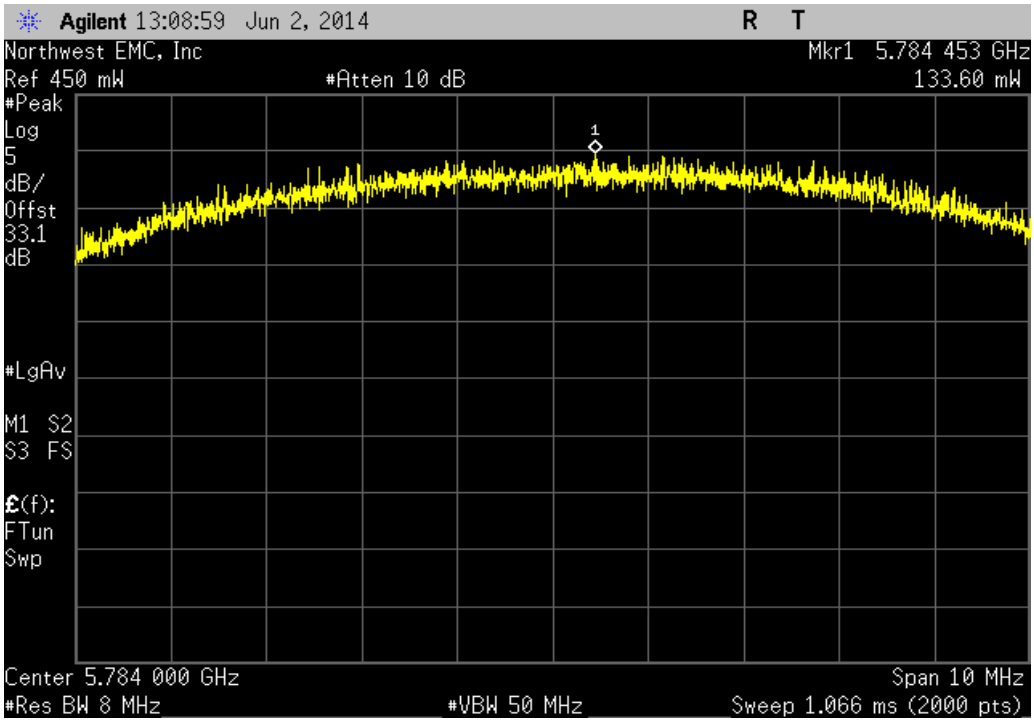
Chain 1 , 5725 MHz - 5850 MHz Band, 5MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., Low Channel 669, 5739MHz

				Value	Limit	Result
				146.251 mW	< 1 W	Pass



Chain 1 , 5725 MHz - 5850 MHz Band, 5MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., Mid Channel 714, 5784MHz

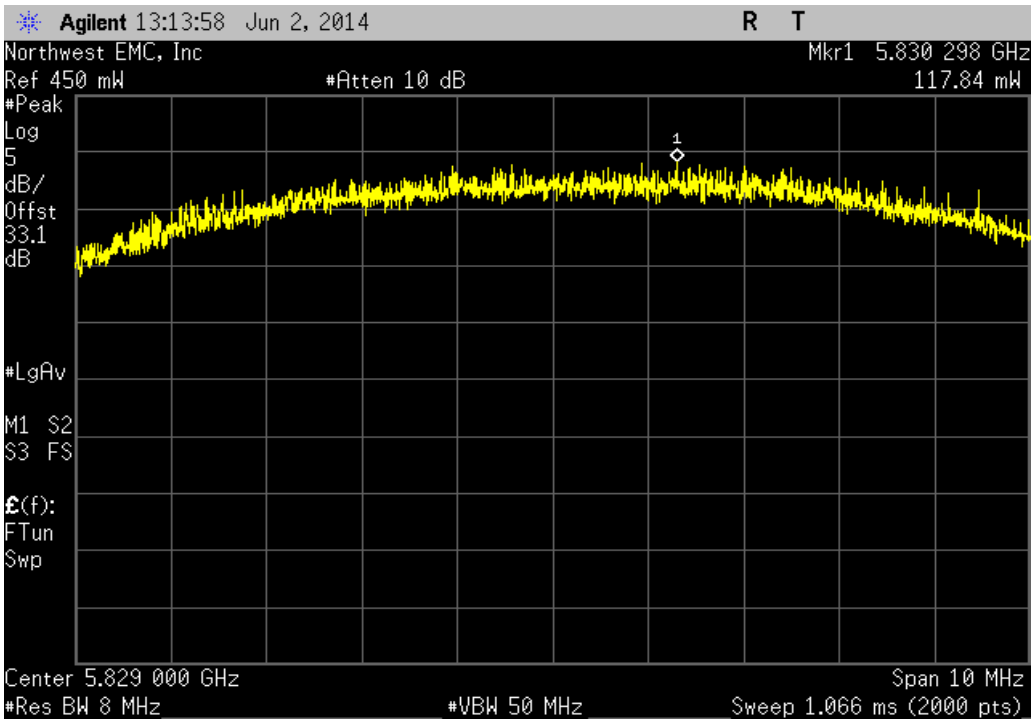
				Value	Limit	Result
				133.598 mW	< 1 W	Pass



OUTPUT POWER - MIMO 3x3

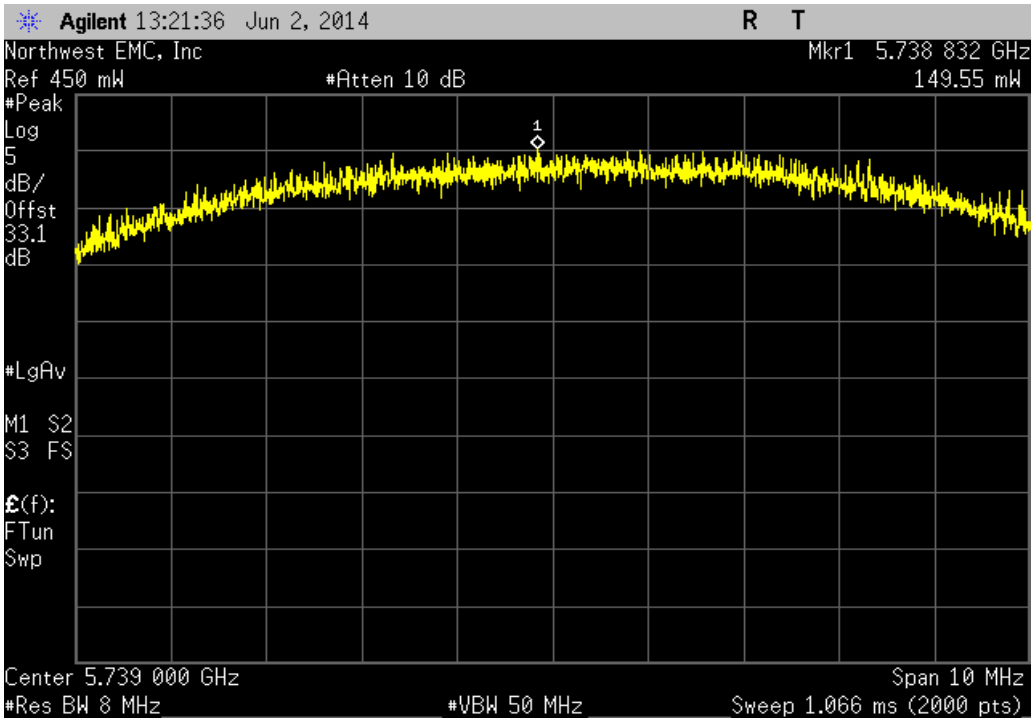
Chain 1 , 5725 MHz - 5850 MHz Band, 5MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., High Channel 759, 5829MHz

				Value	Limit	Result
				117.842 mW	< 1 W	Pass



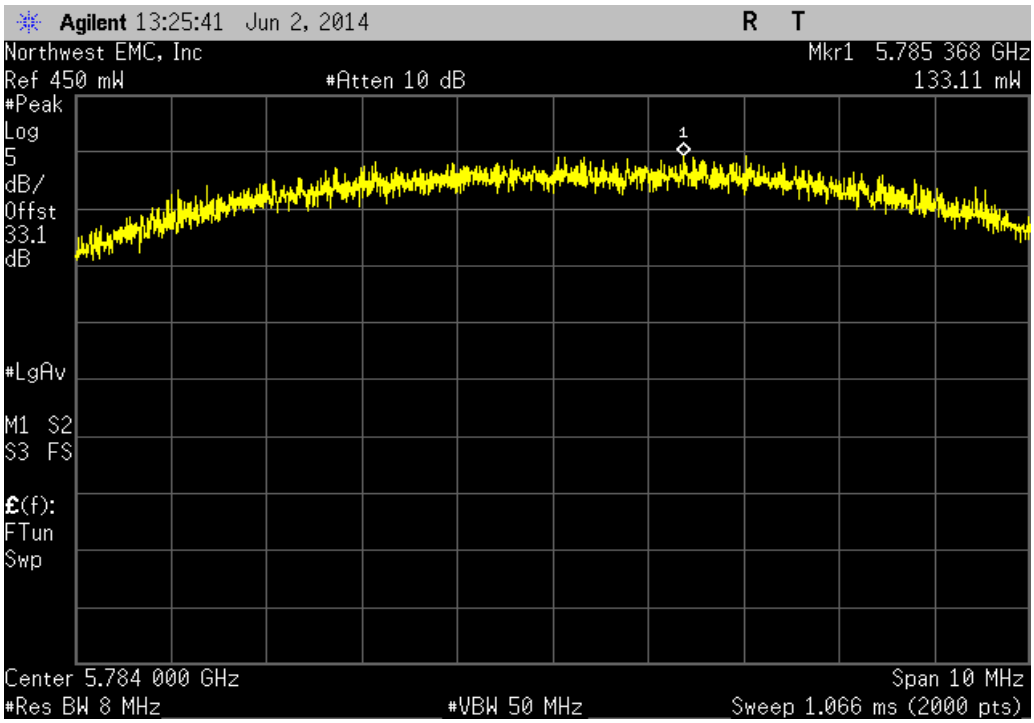
Chain 1 , 5725 MHz - 5850 MHz Band, 5MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., Low Channel 669, 5739MHz

				Value	Limit	Result
				149.555 mW	< 1 W	Pass

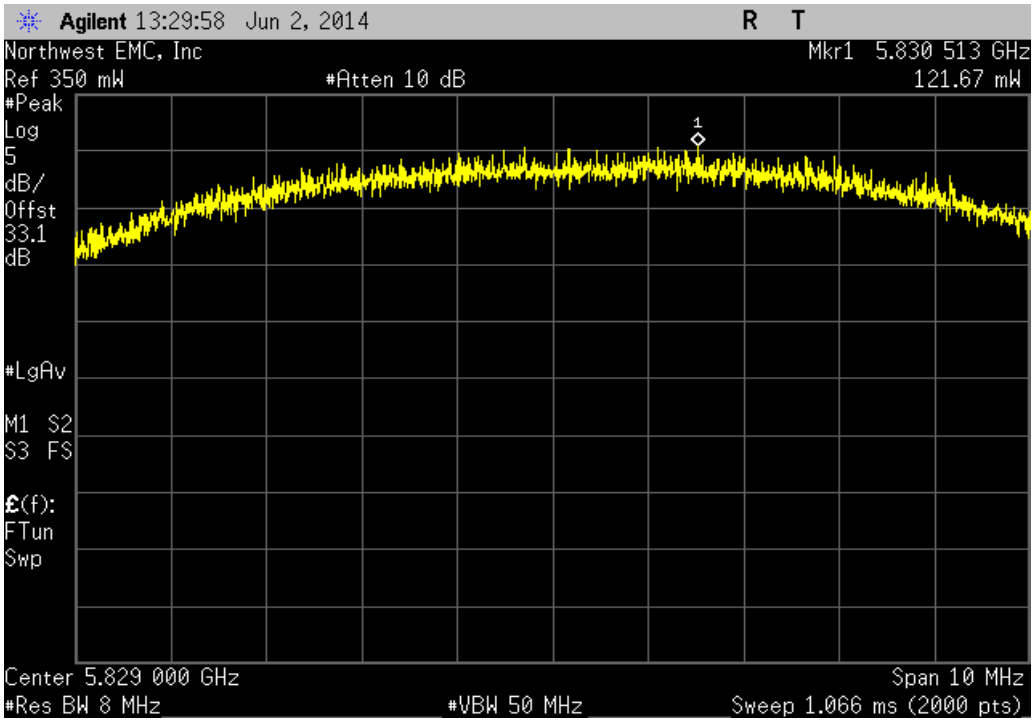


OUTPUT POWER - MIMO 3x3

Chain 1 , 5725 MHz - 5850 MHz Band, 5MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., Mid Channel 714, 5784MHz						
				Value	Limit	Result
				133.107 mW	< 1 W	Pass



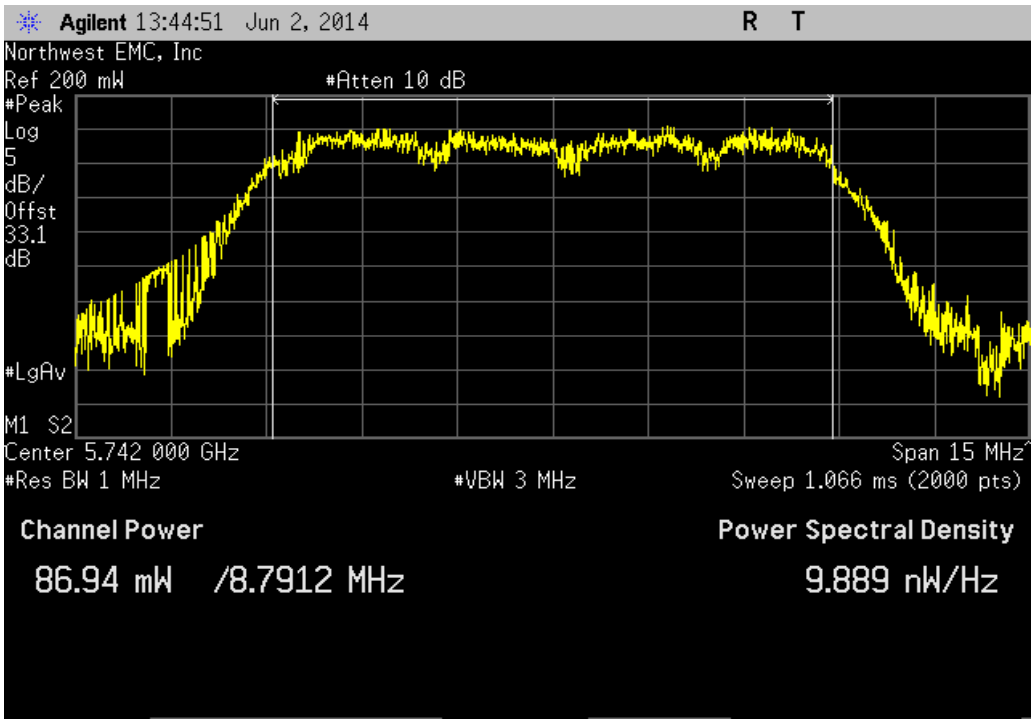
Chain 1 , 5725 MHz - 5850 MHz Band, 5MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., High Channel 759, 5829MHz						
				Value	Limit	Result
				121.675 mW	< 1 W	Pass



OUTPUT POWER - MIMO 3x3

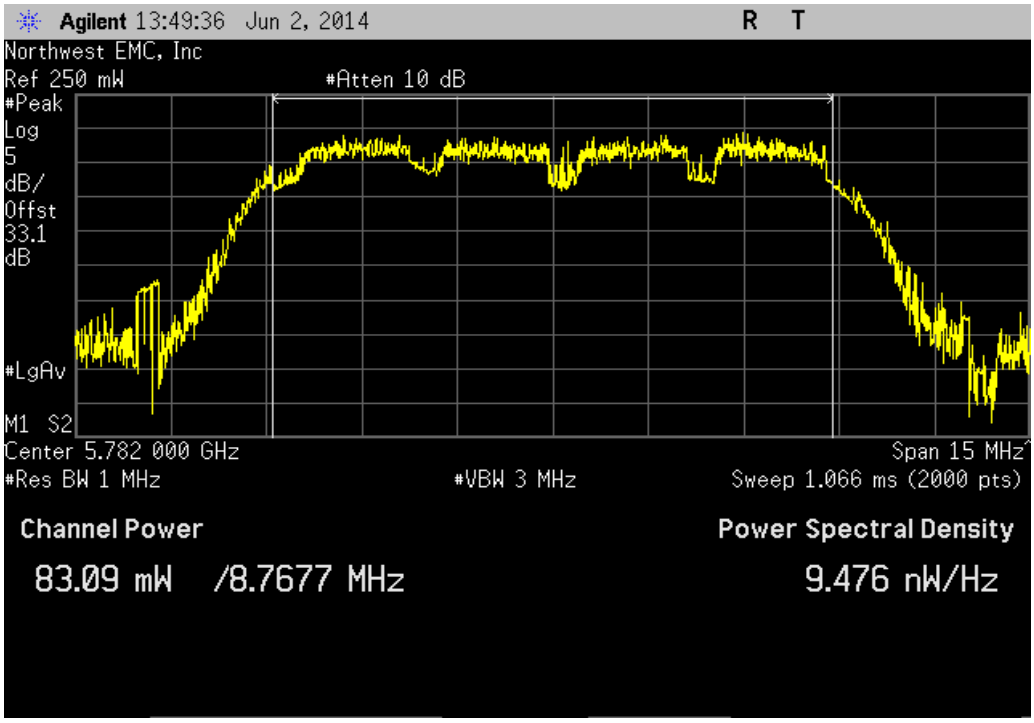
Chain 1 , 5725 MHz - 5850 MHz Band, 10MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., Low Channel 672, 5742MHz

				Value	Limit	Result
				86.939 mW	< 1 W	Pass



Chain 1 , 5725 MHz - 5850 MHz Band, 10MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., Mid Channel 712, 5782MHz

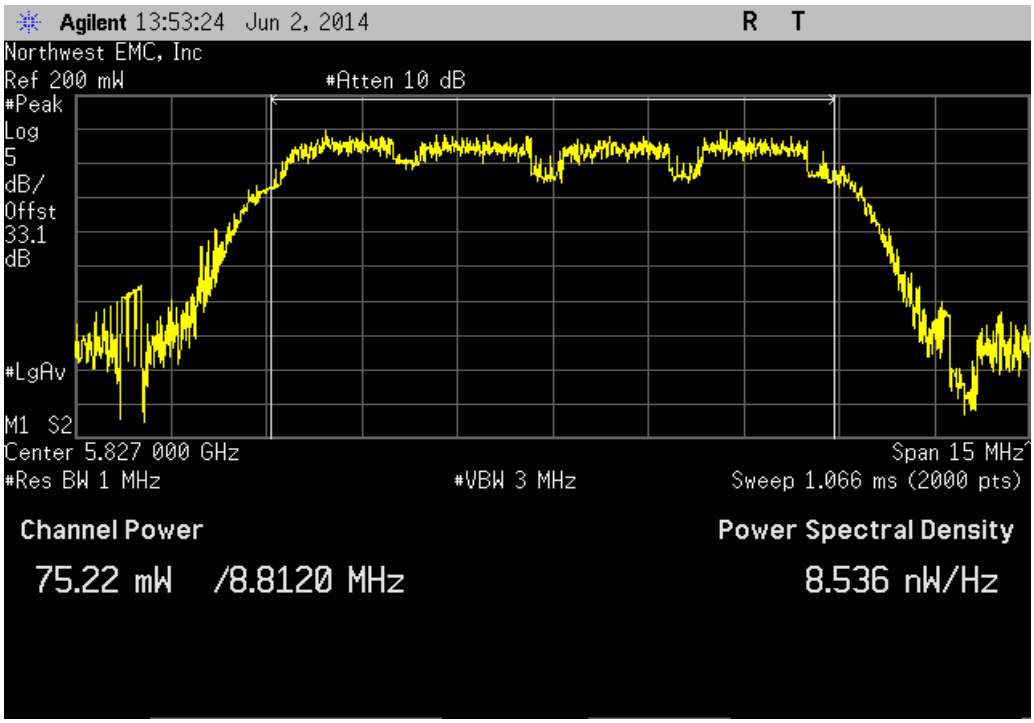
				Value	Limit	Result
				83.087 mW	< 1 W	Pass



OUTPUT POWER - MIMO 3x3

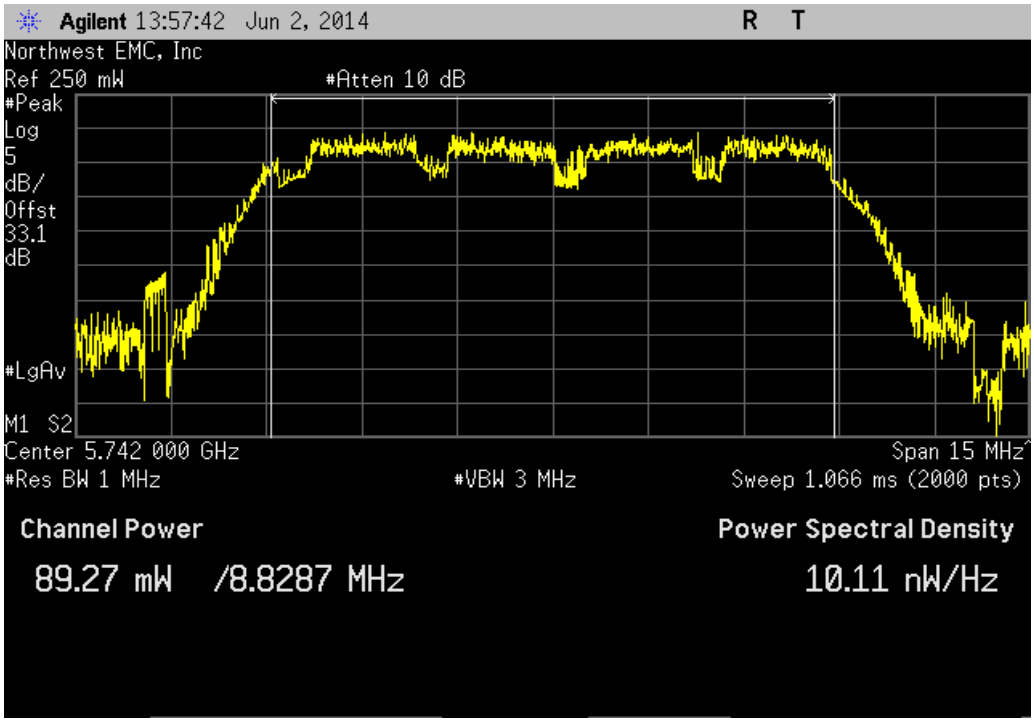
Chain 1 , 5725 MHz - 5850 MHz Band, 10MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., High Channel 757, 5827MHz

				Value	Limit	Result
				75.215 mW	< 1 W	Pass



Chain 1 , 5725 MHz - 5850 MHz Band, 10MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., Low Channel 672, 5742MHz

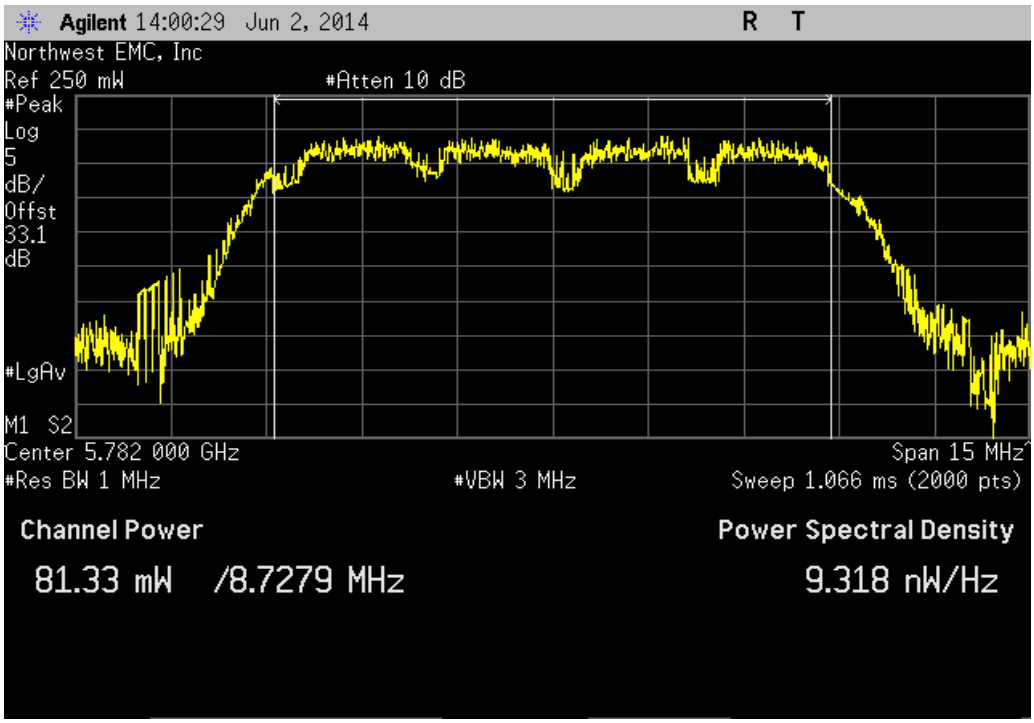
				Value	Limit	Result
				89.268 mW	< 1 W	Pass



OUTPUT POWER - MIMO 3x3

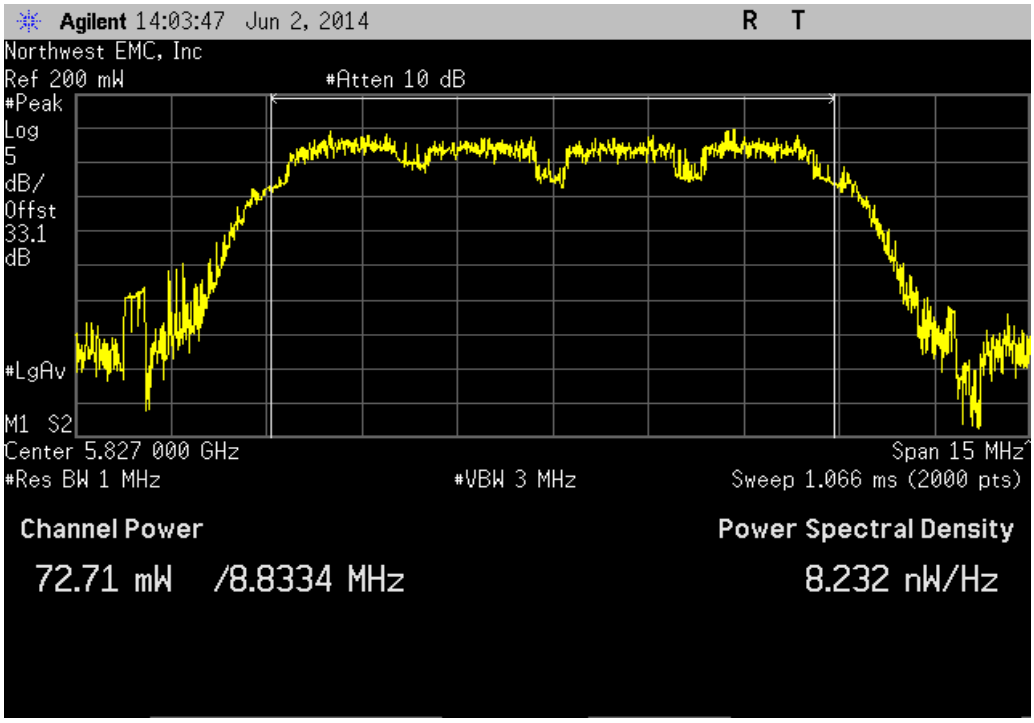
Chain 1 , 5725 MHz - 5850 MHz Band, 10MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., Mid Channel 712, 5782MHz

				Value	Limit	Result
				81.329 mW	< 1 W	Pass



Chain 1 , 5725 MHz - 5850 MHz Band, 10MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., High Channel 757, 5827MHz

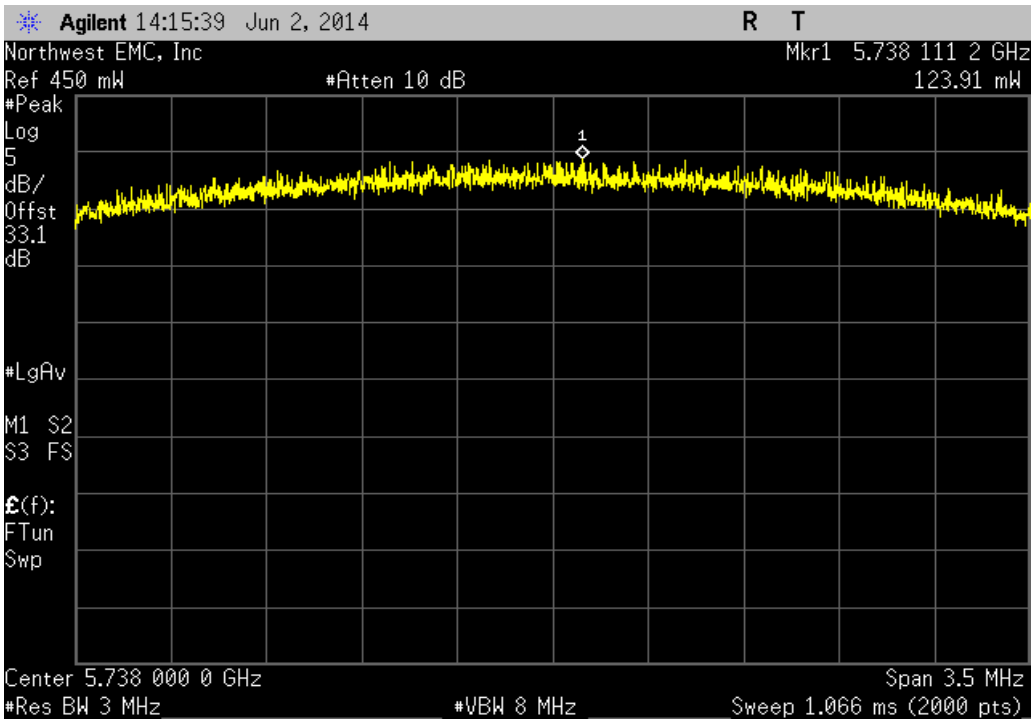
				Value	Limit	Result
				72.713 mW	< 1 W	Pass



OUTPUT POWER - MIMO 3x3

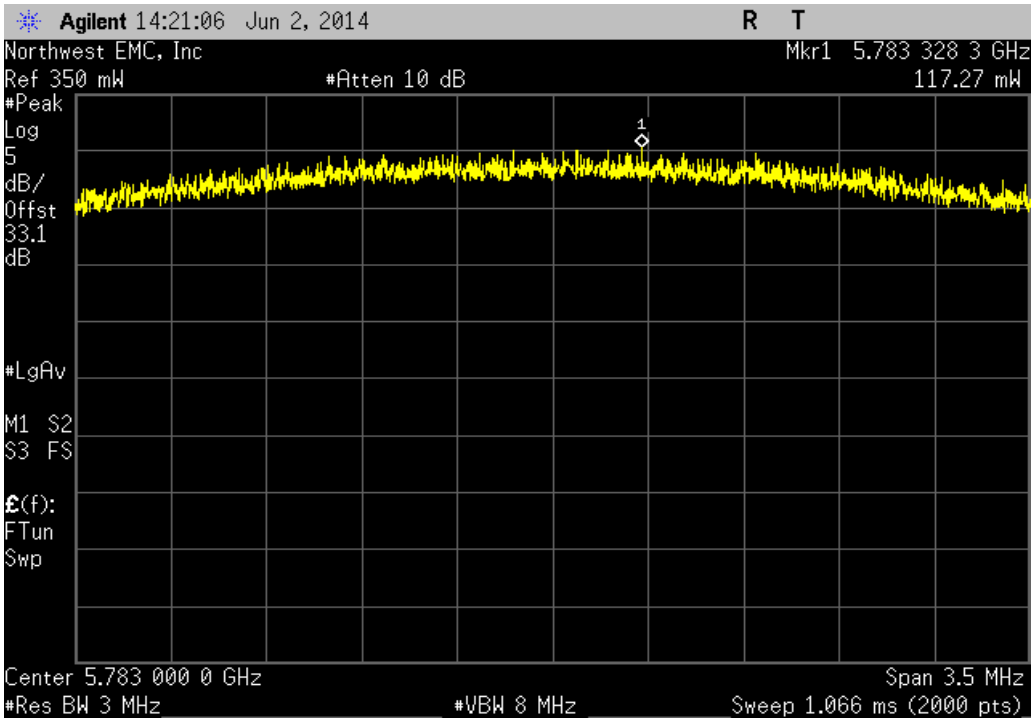
Chain 2, 5725 MHz - 5850 MHz Band, 2.5MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., Low Channel 668, 5738MHz

				Value	Limit	Result
				123.908 mW	< 1 W	Pass



Chain 2, 5725 MHz - 5850 MHz Band, 2.5MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., Mid Channel 713, 5783MHz

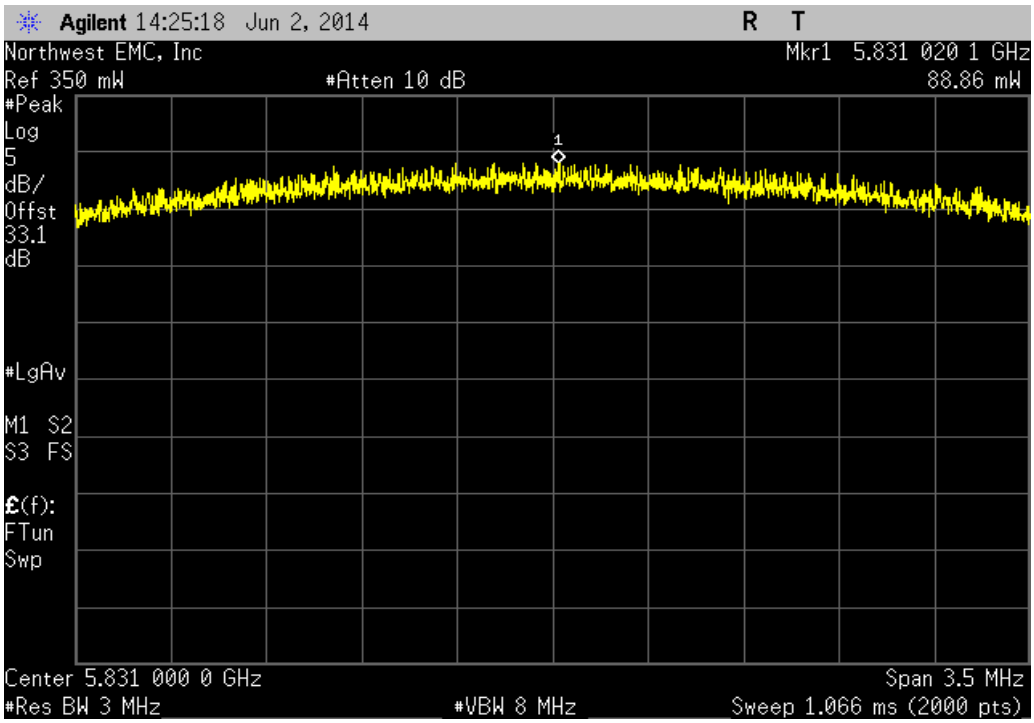
				Value	Limit	Result
				117.274 mW	< 1 W	Pass



OUTPUT POWER - MIMO 3x3

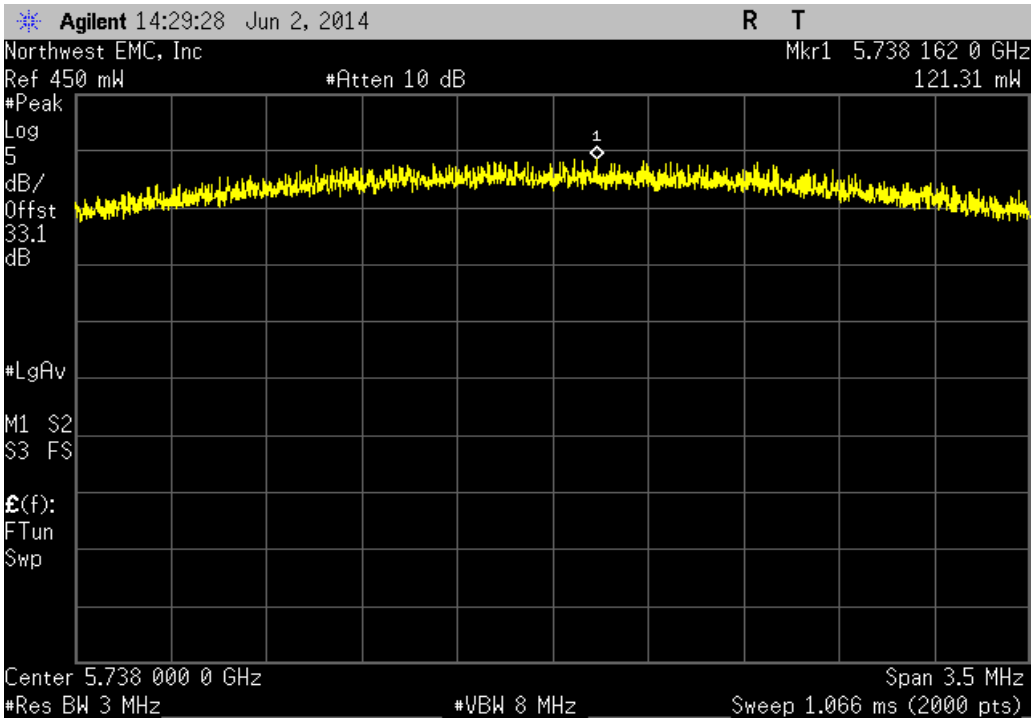
Chain 2, 5725 MHz - 5850 MHz Band, 2.5MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., High Channel 761, 5831MHz

				Value	Limit	Result
				88.859 mW	< 1 W	Pass



Chain 2, 5725 MHz - 5850 MHz Band, 2.5MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., Low Channel 668, 5738MHz

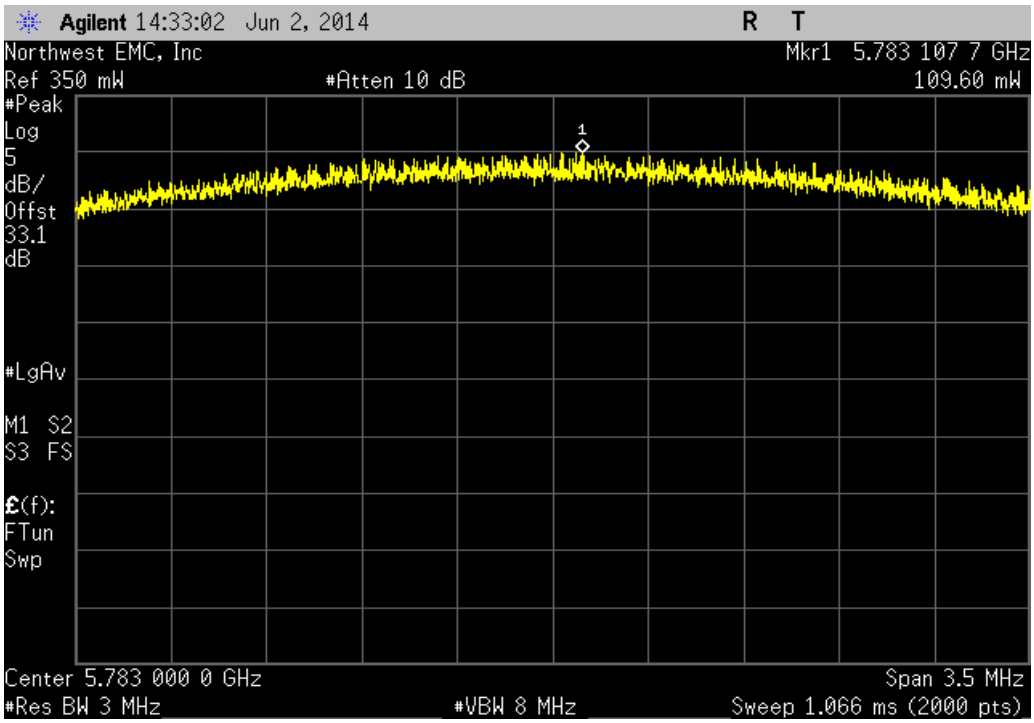
				Value	Limit	Result
				121.311 mW	< 1 W	Pass



OUTPUT POWER - MIMO 3x3

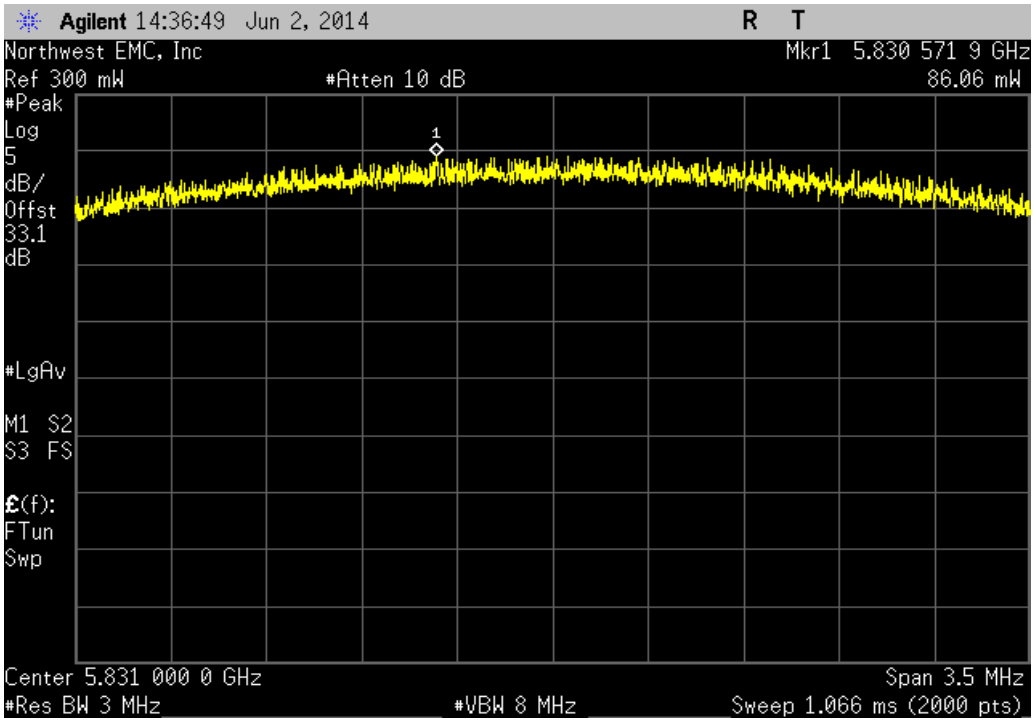
Chain 2, 5725 MHz - 5850 MHz Band, 2.5MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., Mid Channel 713, 5783MHz

				Value	Limit	Result
				109.597 mW	< 1 W	Pass



Chain 2, 5725 MHz - 5850 MHz Band, 2.5MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., High Channel 761, 5831MHz

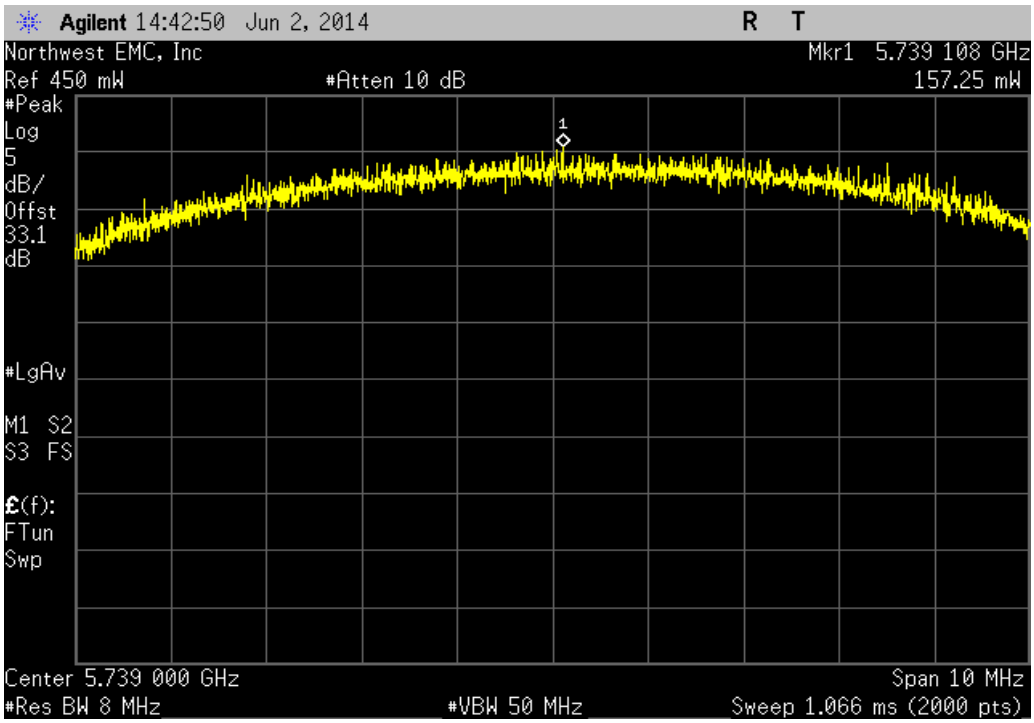
				Value	Limit	Result
				86.06 mW	< 1 W	Pass



OUTPUT POWER - MIMO 3x3

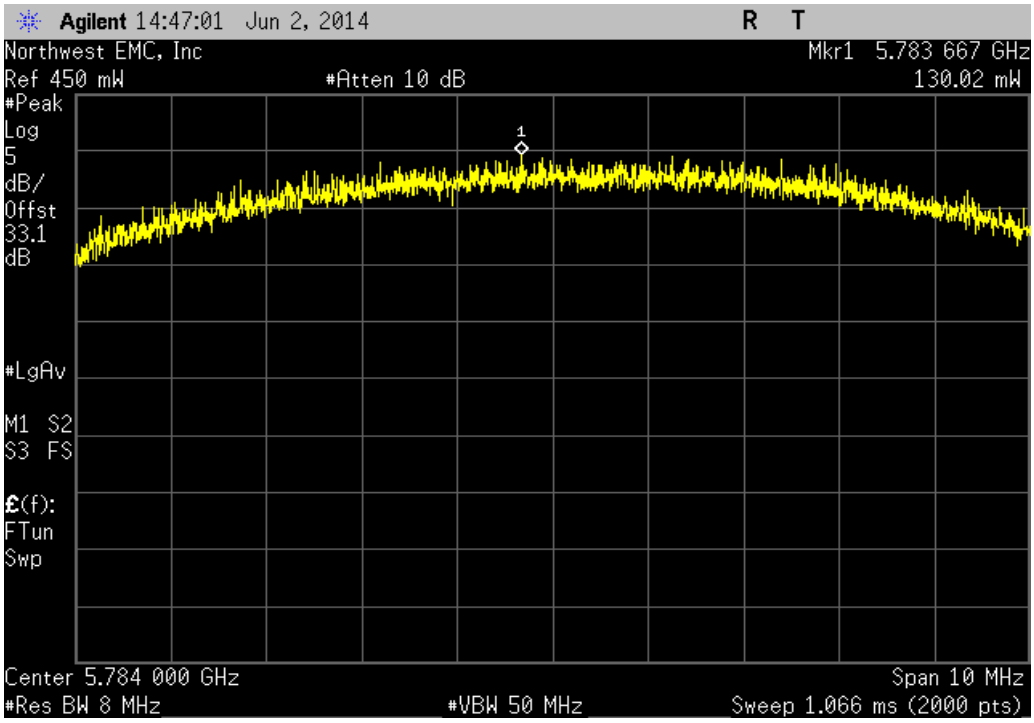
Chain 2, 5725 MHz - 5850 MHz Band, 5MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., Low Channel 669, 5739MHz

				Value	Limit	Result
				157.253 mW	< 1 W	Pass



Chain 2, 5725 MHz - 5850 MHz Band, 5MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., Mid Channel 714, 5784MHz

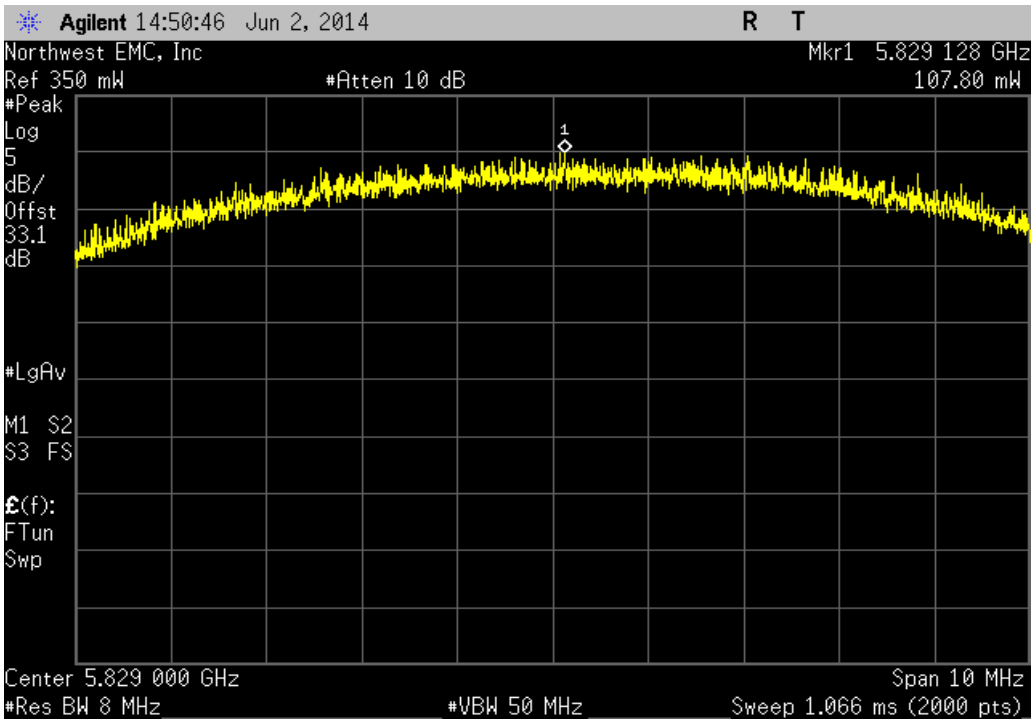
				Value	Limit	Result
				130.017 mW	< 1 W	Pass



OUTPUT POWER - MIMO 3x3

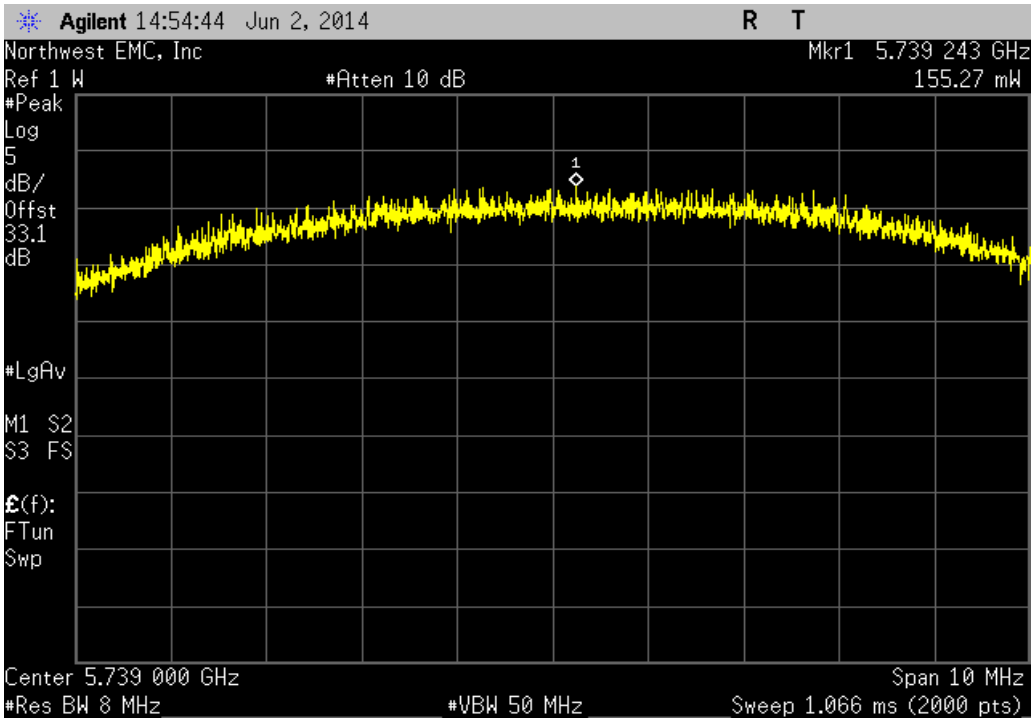
Chain 2, 5725 MHz - 5850 MHz Band, 5MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., High Channel 759, 5829MHz

				Value	Limit	Result
				107.795 mW	< 1 W	Pass



Chain 2, 5725 MHz - 5850 MHz Band, 5MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., Low Channel 669, 5739MHz

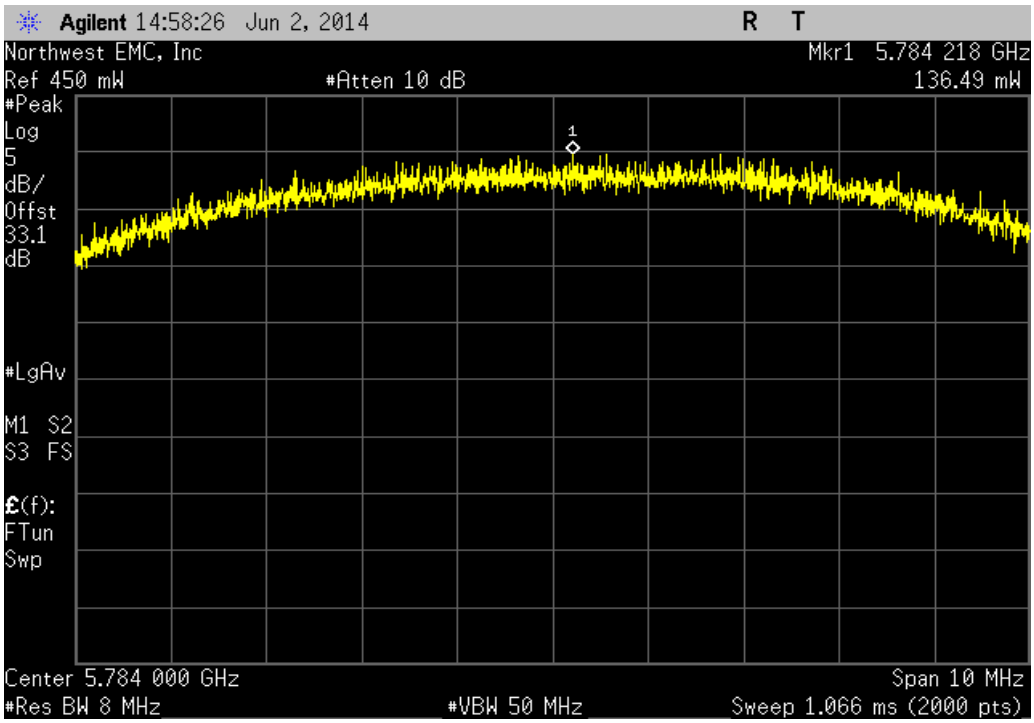
				Value	Limit	Result
				155.274 mW	< 1 W	Pass



OUTPUT POWER - MIMO 3x3

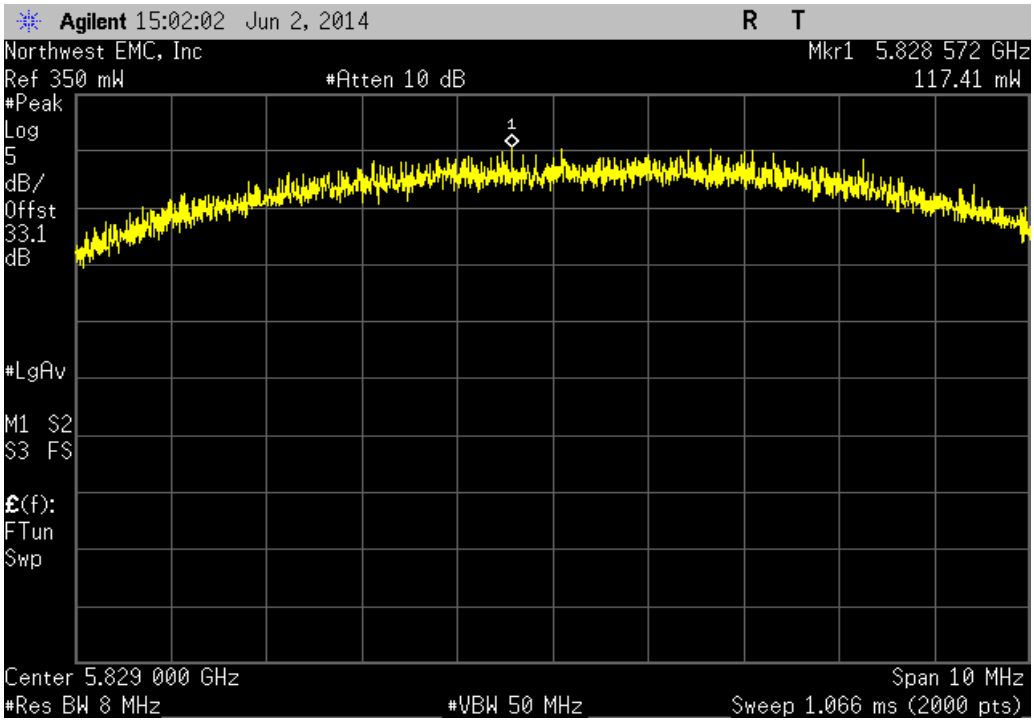
Chain 2, 5725 MHz - 5850 MHz Band, 5MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., Mid Channel 714, 5784MHz

				Value	Limit	Result
				136.49 mW	< 1 W	Pass



Chain 2, 5725 MHz - 5850 MHz Band, 5MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., High Channel 759, 5829MHz

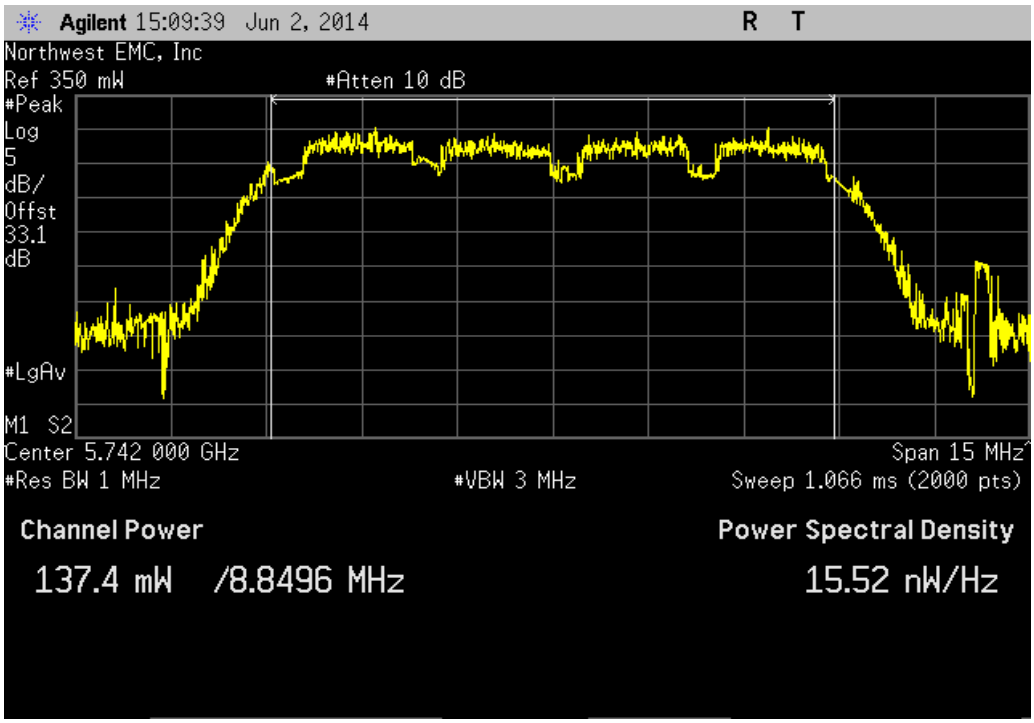
				Value	Limit	Result
				117.409 mW	< 1 W	Pass



OUTPUT POWER - MIMO 3x3

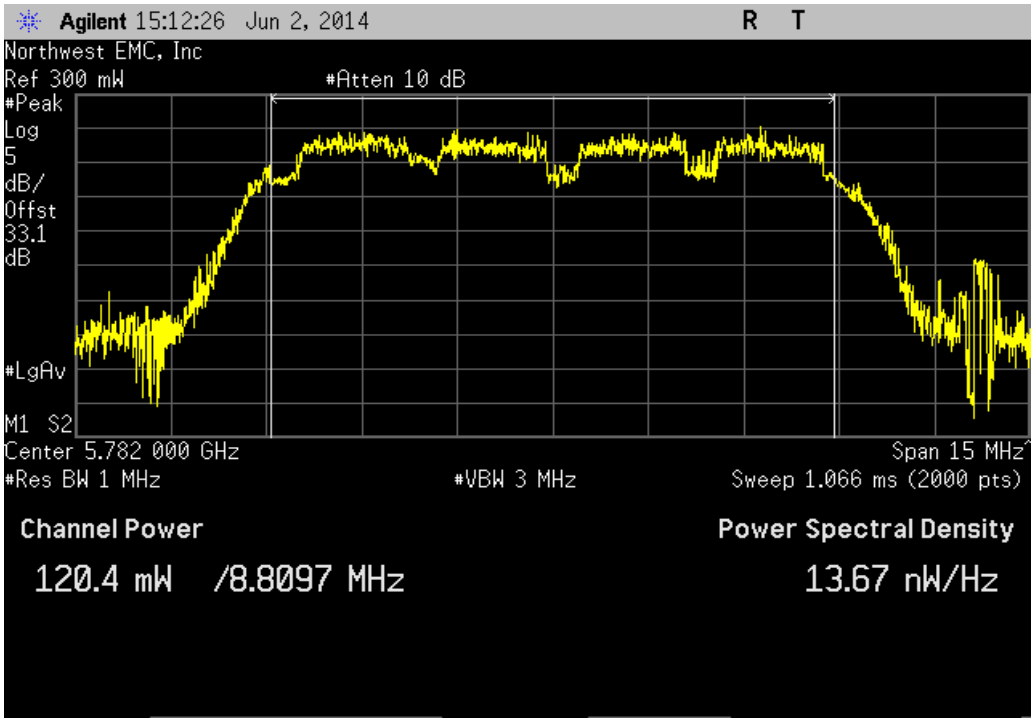
Chain 2, 5725 MHz - 5850 MHz Band, 10MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., Low Channel 672, 5742MHz

				Value	Limit	Result
				137.381 mW	< 1 W	Pass



Chain 2, 5725 MHz - 5850 MHz Band, 10MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., Mid Channel 712, 5782MHz

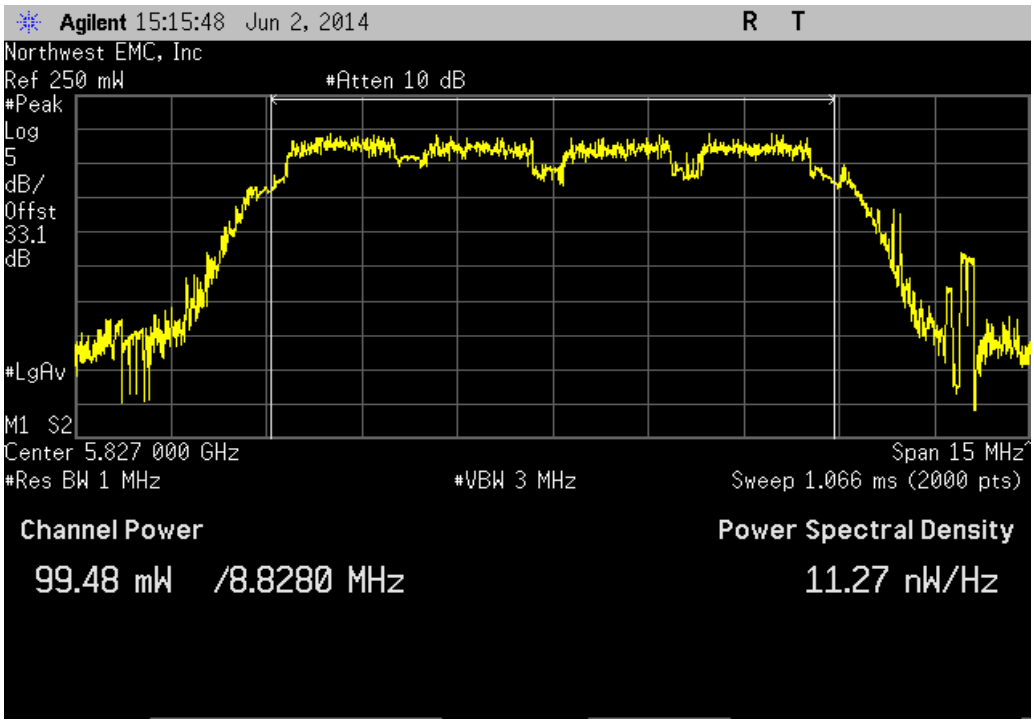
				Value	Limit	Result
				120.405 mW	< 1 W	Pass



OUTPUT POWER - MIMO 3x3

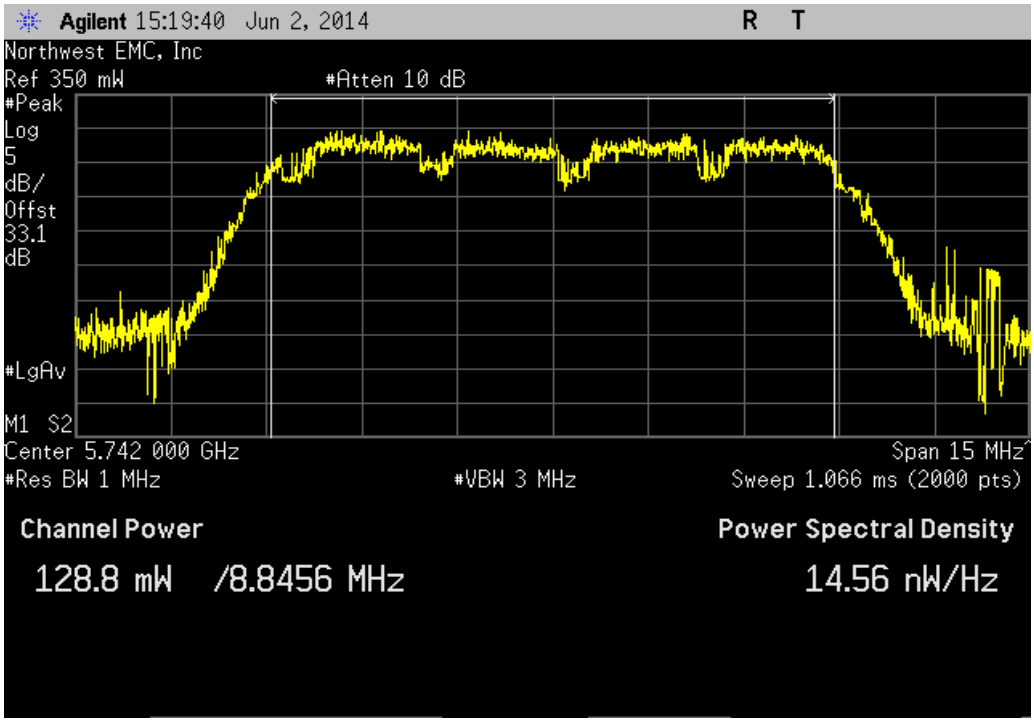
Chain 2, 5725 MHz - 5850 MHz Band, 10MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., High Channel 757, 5827MHz

				Value	Limit	Result
				99.482 mW	< 1 W	Pass



Chain 2, 5725 MHz - 5850 MHz Band, 10MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., Low Channel 672, 5742MHz

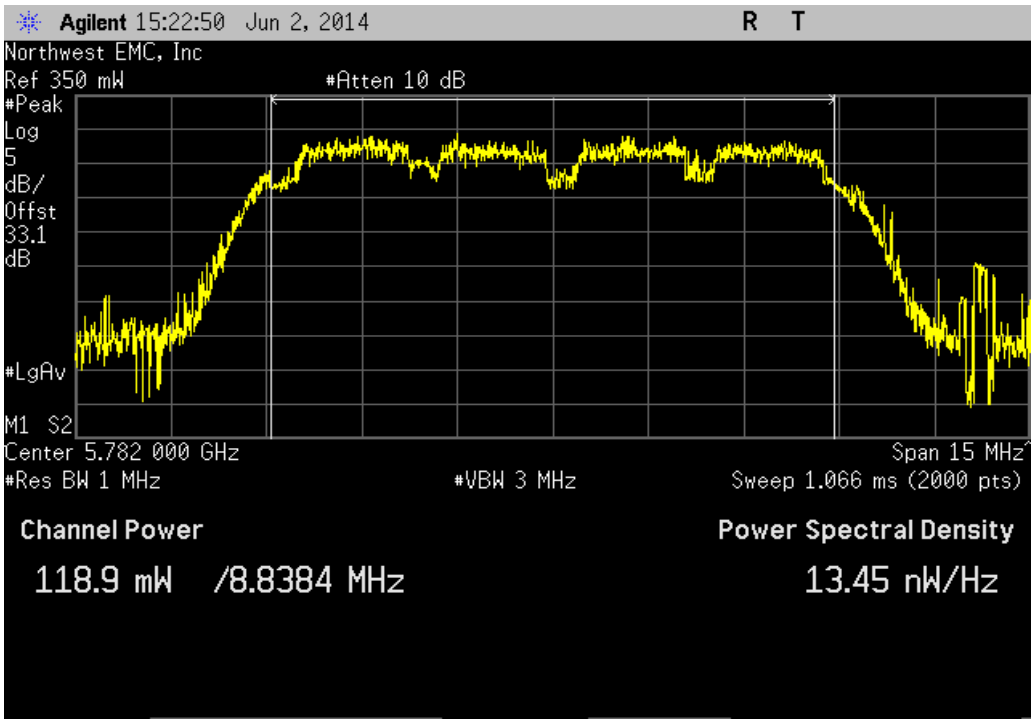
				Value	Limit	Result
				128.807 mW	< 1 W	Pass



OUTPUT POWER - MIMO 3x3

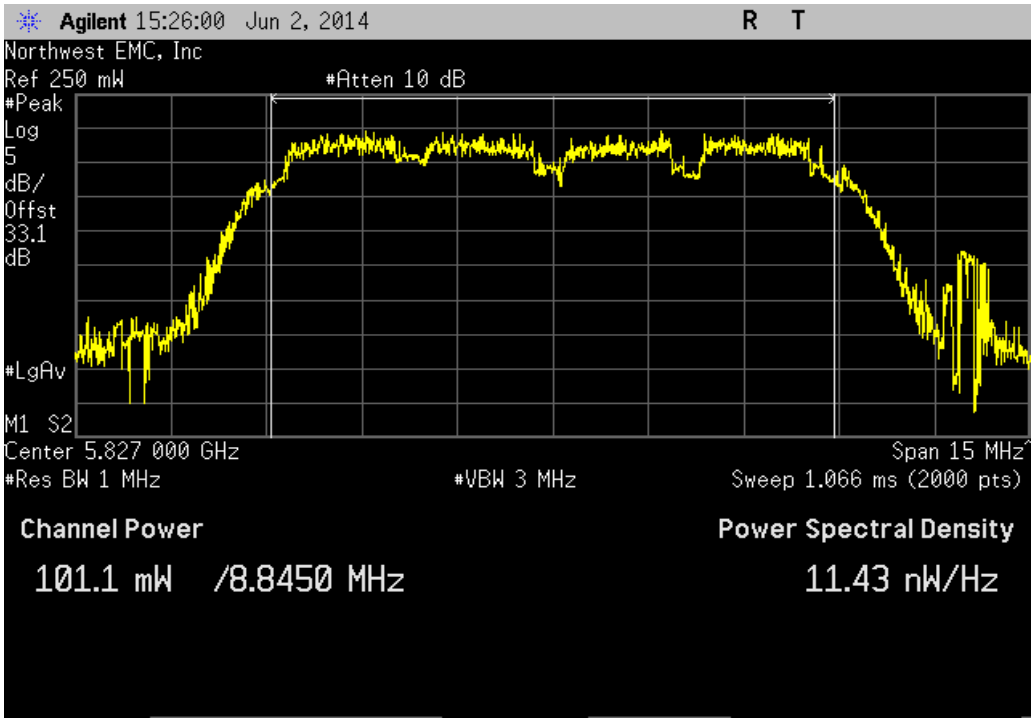
Chain 2, 5725 MHz - 5850 MHz Band, 10MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., Mid Channel 712, 5782MHz

				Value	Limit	Result
				118.906 mW	< 1 W	Pass



Chain 2, 5725 MHz - 5850 MHz Band, 10MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., High Channel 757, 5827MHz

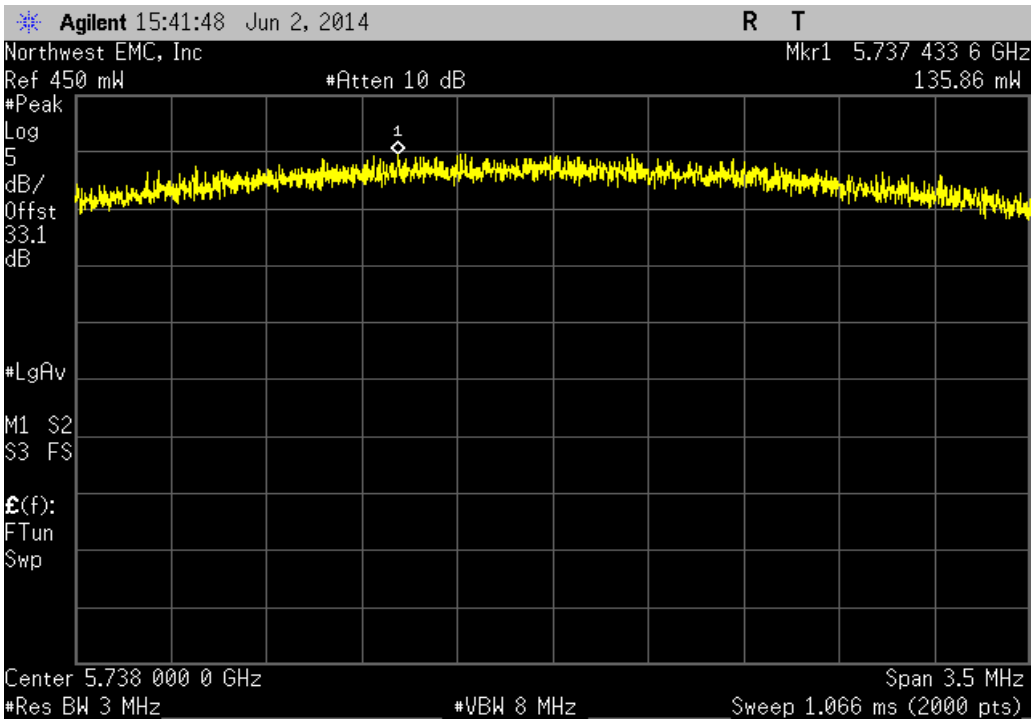
				Value	Limit	Result
				101.139 mW	< 1 W	Pass



OUTPUT POWER - MIMO 3x3

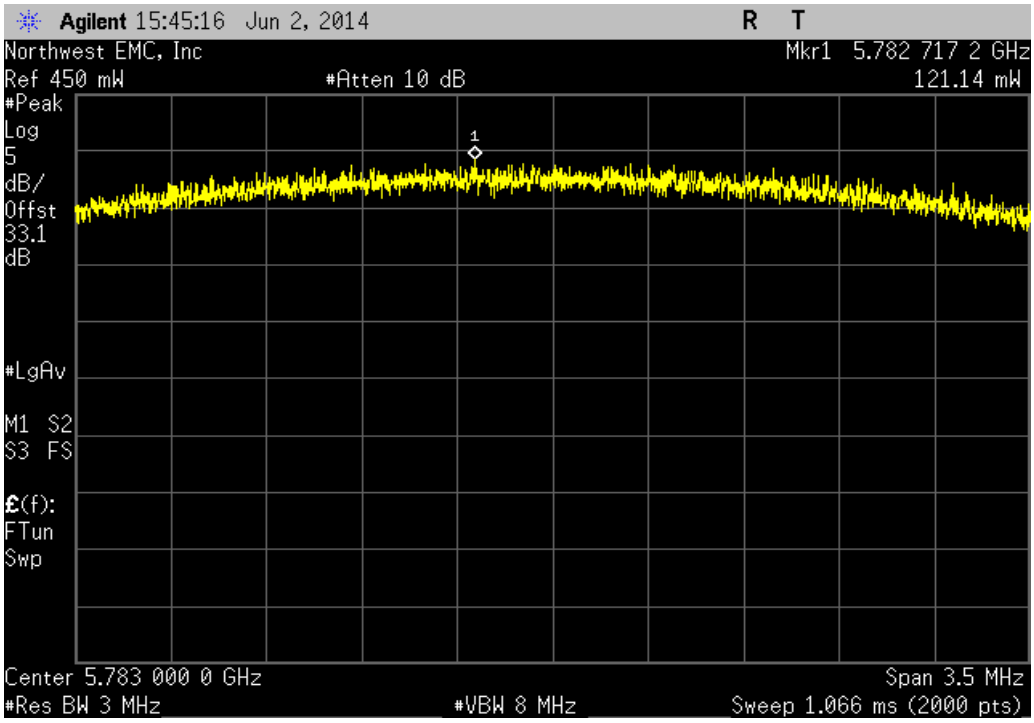
Chain 3, 5725 MHz - 5850 MHz Band, 2.5MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., Low Channel 668, 5738MHz

				Value	Limit	Result
				135.863 mW	< 1 W	Pass



Chain 3, 5725 MHz - 5850 MHz Band, 2.5MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., Mid Channel 713, 5783MHz

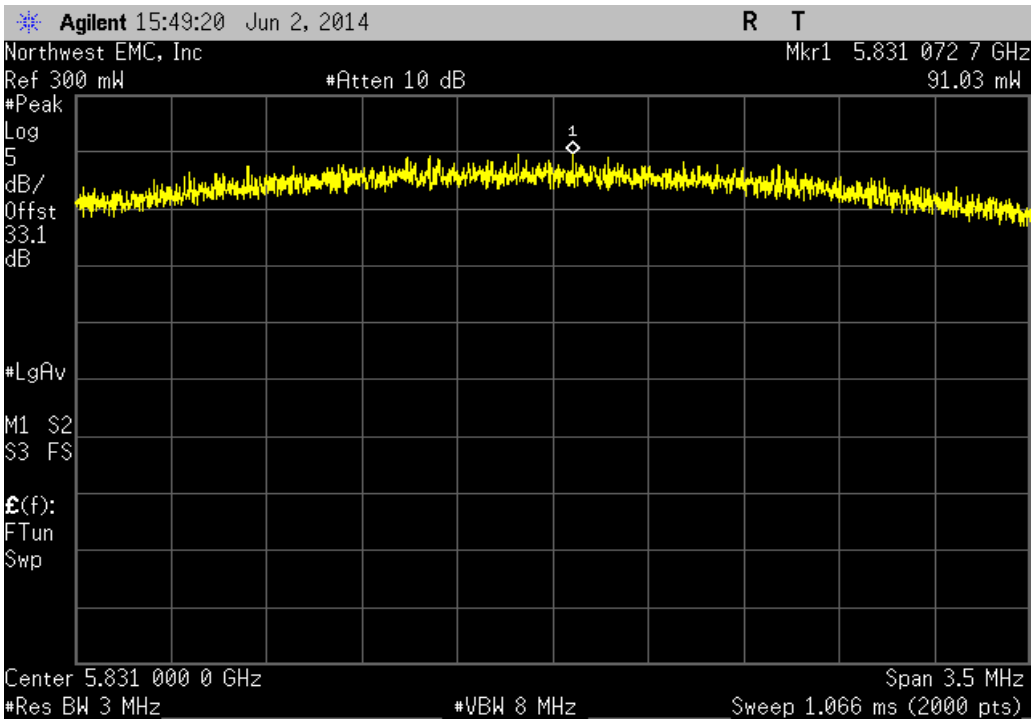
				Value	Limit	Result
				121.143 mW	< 1 W	Pass



OUTPUT POWER - MIMO 3x3

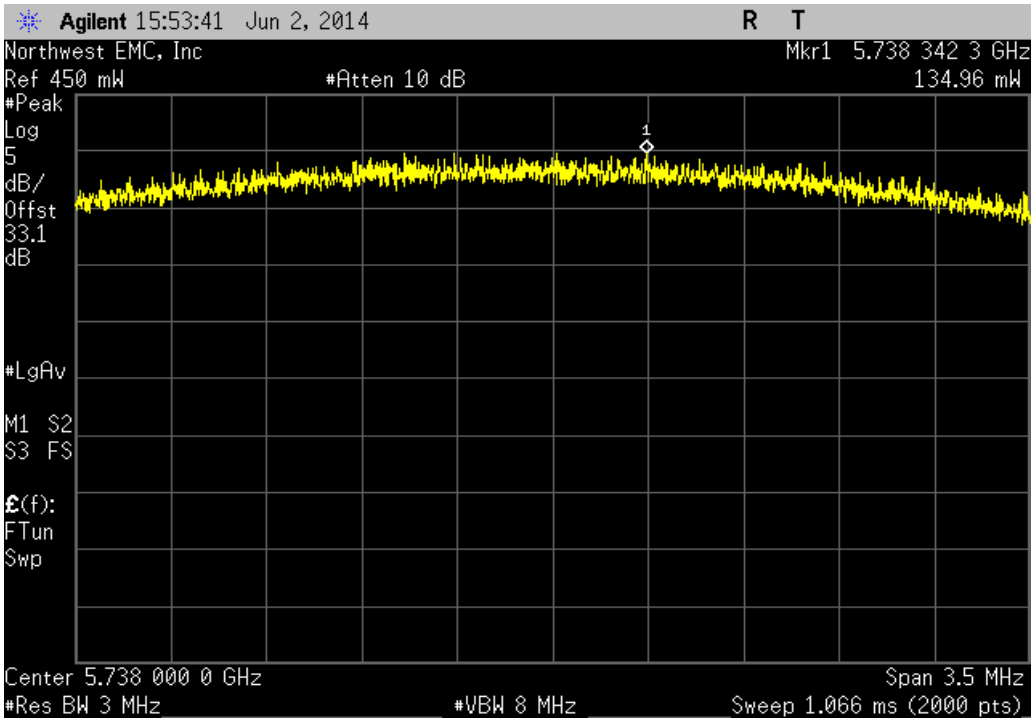
Chain 3, 5725 MHz - 5850 MHz Band, 2.5MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., High Channel 761, 5831MHz

				Value	Limit	Result
				91.033 mW	< 1 W	Pass



Chain 3, 5725 MHz - 5850 MHz Band, 2.5MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., Low Channel 668, 5738MHz

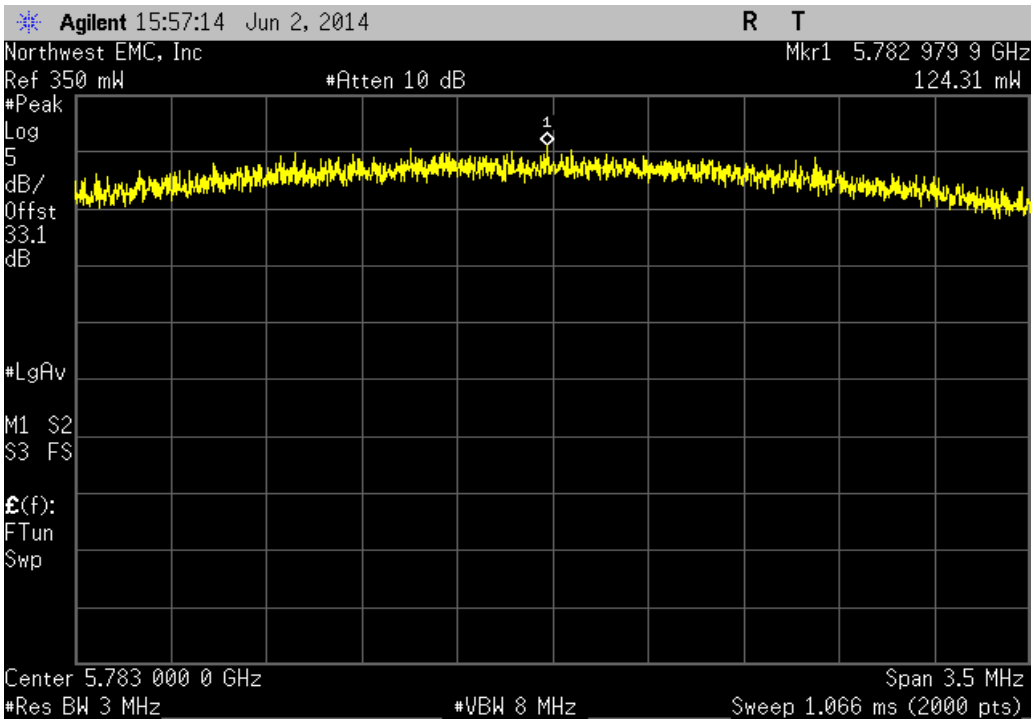
				Value	Limit	Result
				134.958 mW	< 1 W	Pass



OUTPUT POWER - MIMO 3x3

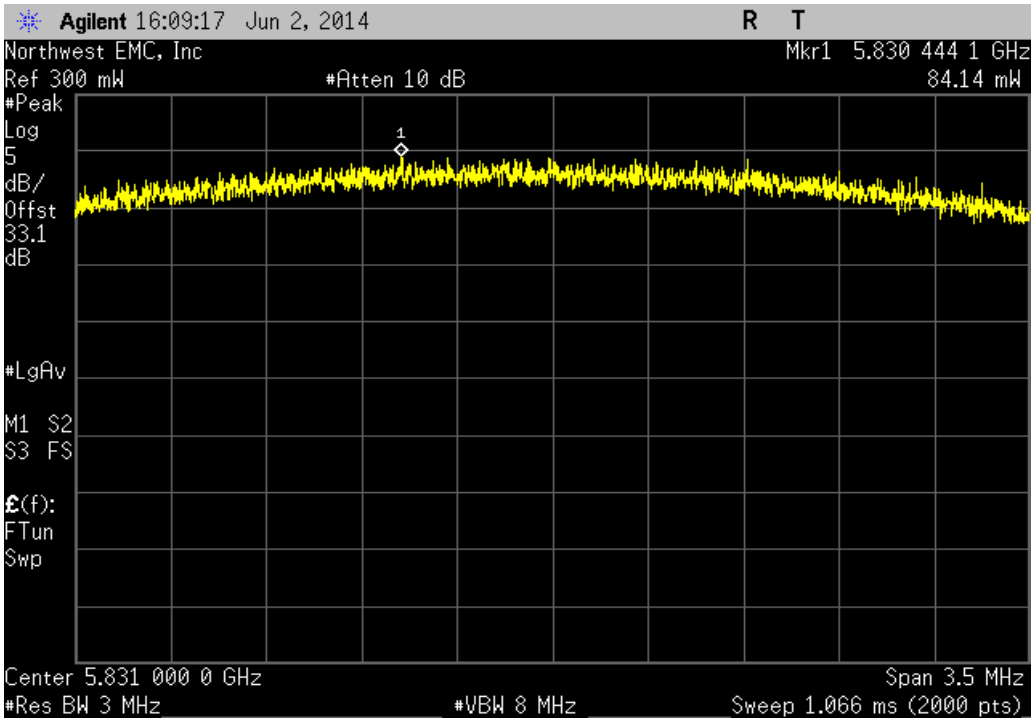
Chain 3, 5725 MHz - 5850 MHz Band, 2.5MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., Mid Channel 713, 5783MHz

				Value	Limit	Result
				124.308 mW	< 1 W	Pass



Chain 3, 5725 MHz - 5850 MHz Band, 2.5MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., High Channel 761, 5831MHz

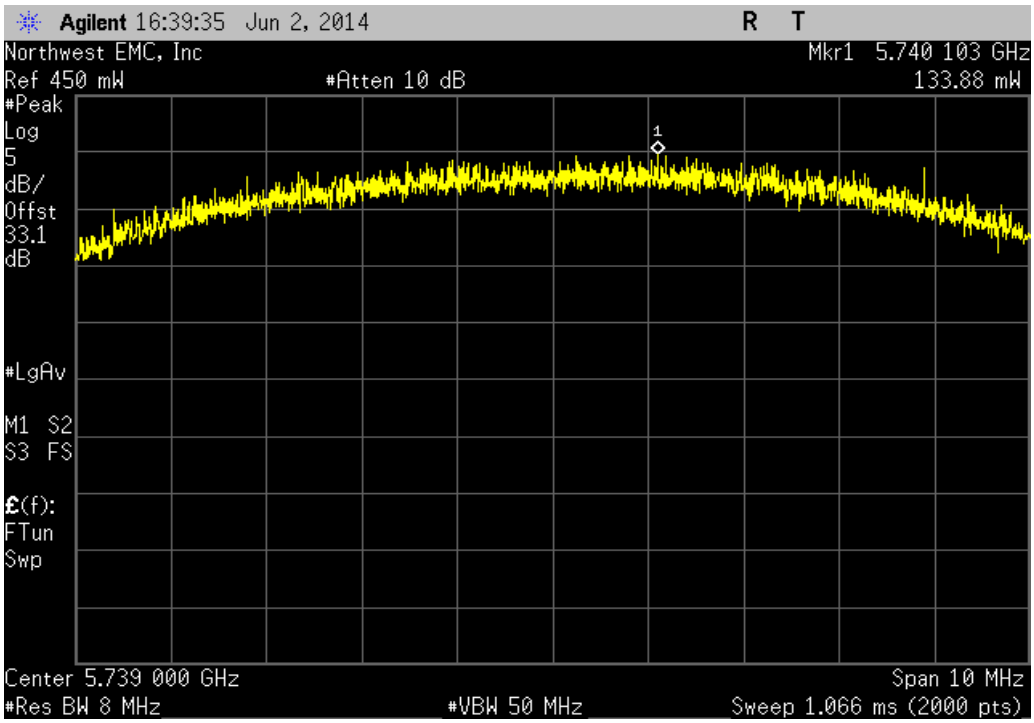
				Value	Limit	Result
				84.14 mW	< 1 W	Pass



OUTPUT POWER - MIMO 3x3

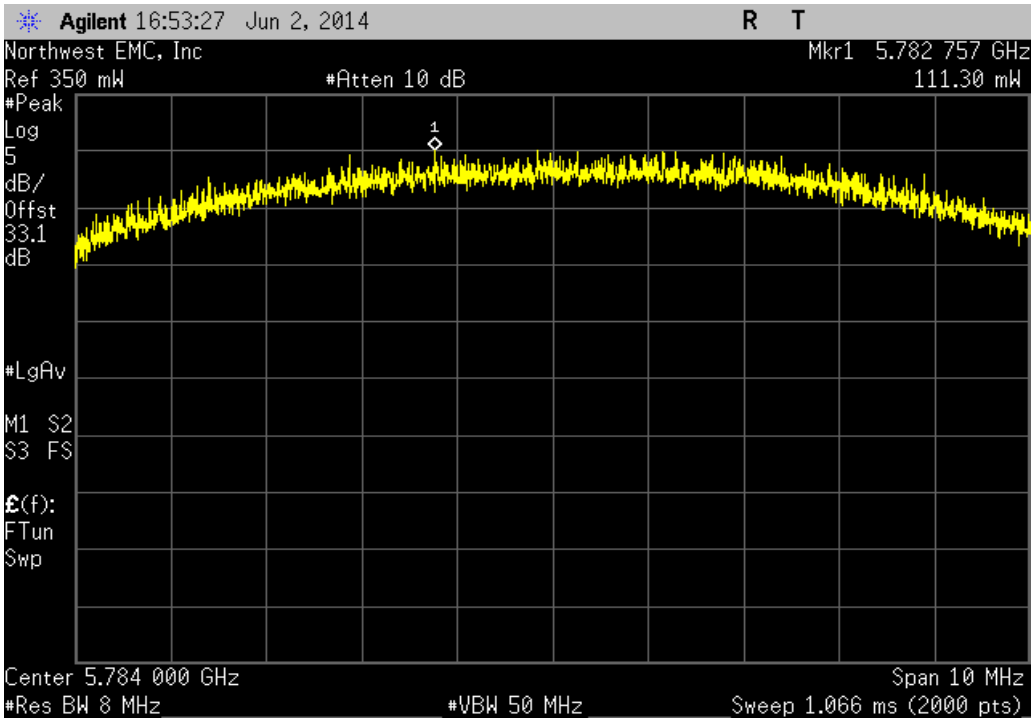
Chain 3, 5725 MHz - 5850 MHz Band, 5MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., Low Channel 669, 5739MHz

				Value	Limit	Result
				133.875 mW	< 1 W	Pass



Chain 3, 5725 MHz - 5850 MHz Band, 5MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., Mid Channel 714, 5784MHz

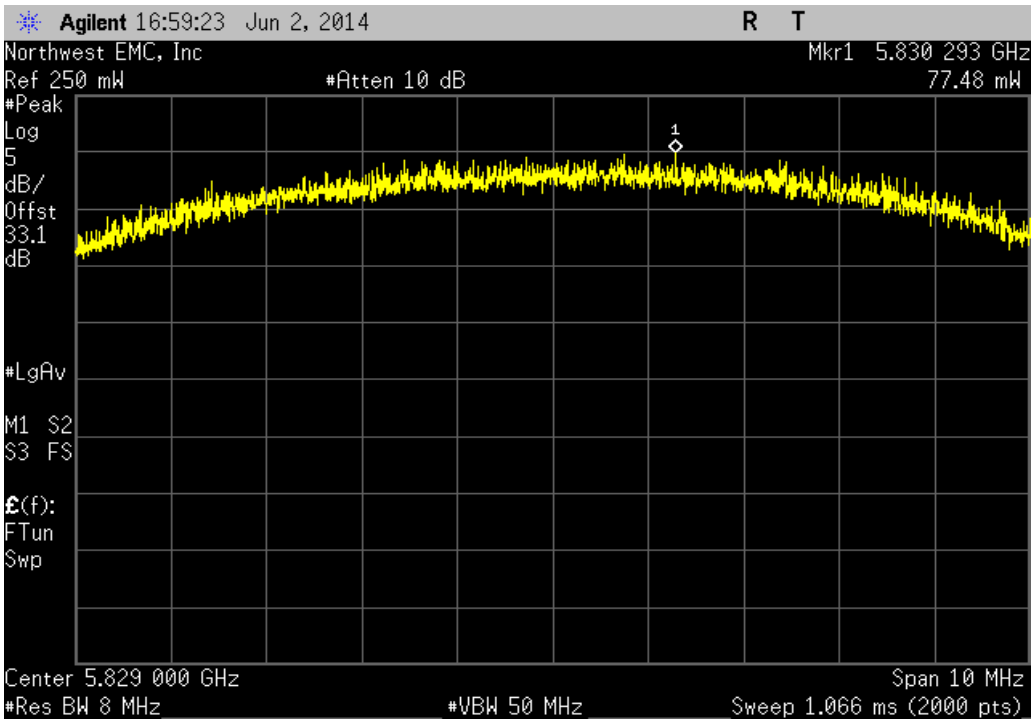
				Value	Limit	Result
				111.301 mW	< 1 W	Pass



OUTPUT POWER - MIMO 3x3

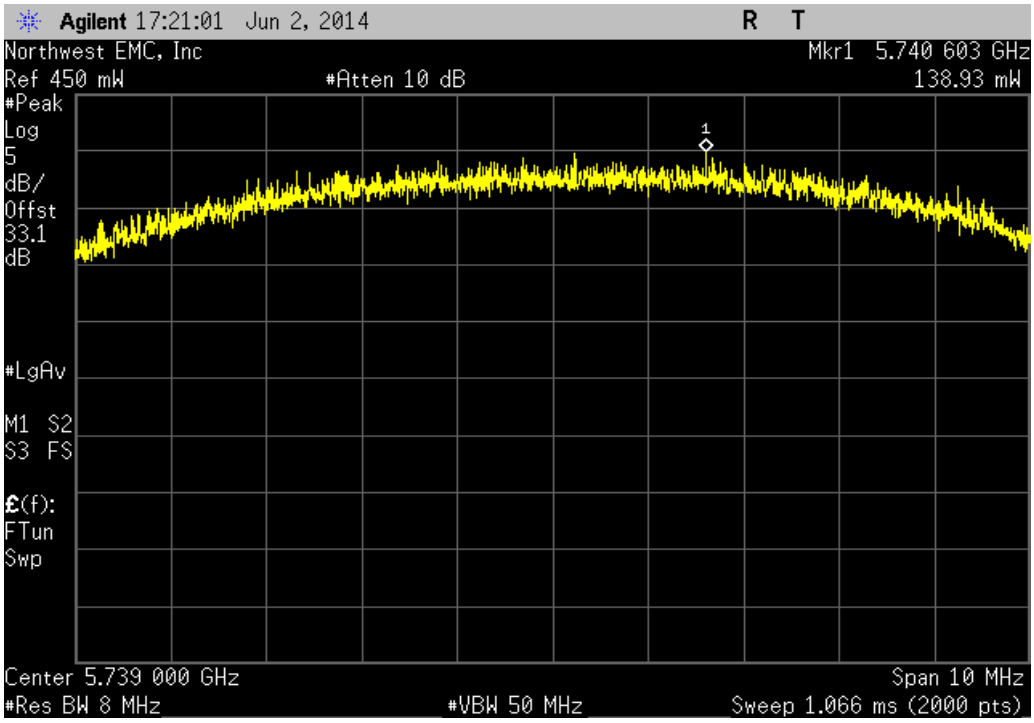
Chain 3, 5725 MHz - 5850 MHz Band, 5MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., High Channel 759, 5829MHz

				Value	Limit	Result
				77.482 mW	< 1 W	Pass



Chain 3, 5725 MHz - 5850 MHz Band, 5MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., Low Channel 669, 5739MHz

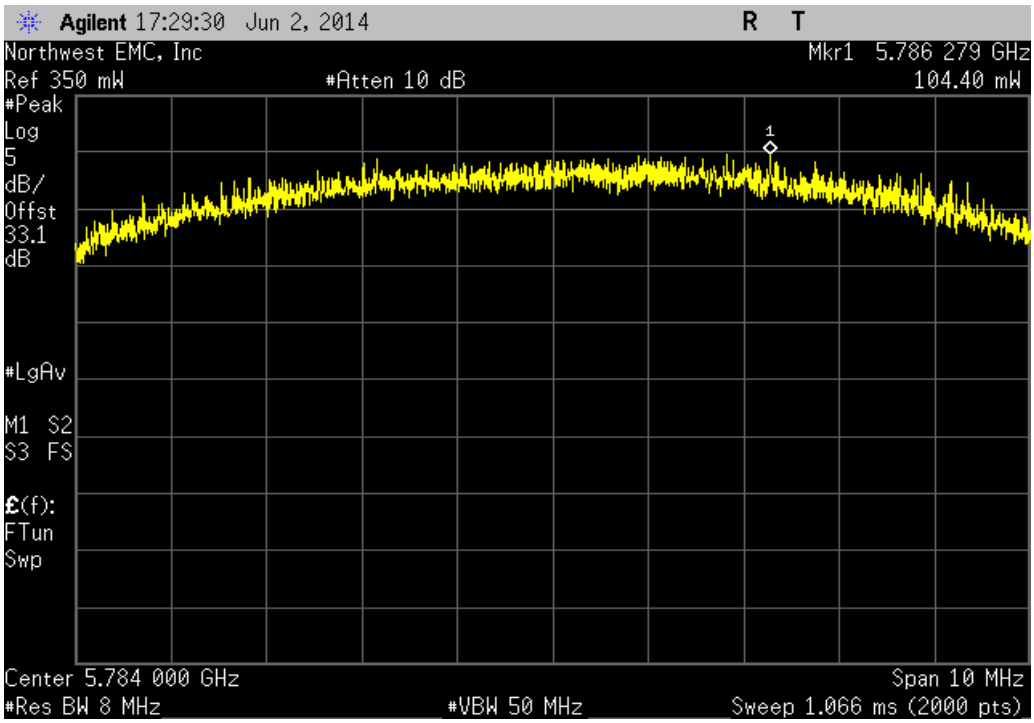
				Value	Limit	Result
				138.931 mW	< 1 W	Pass



OUTPUT POWER - MIMO 3x3

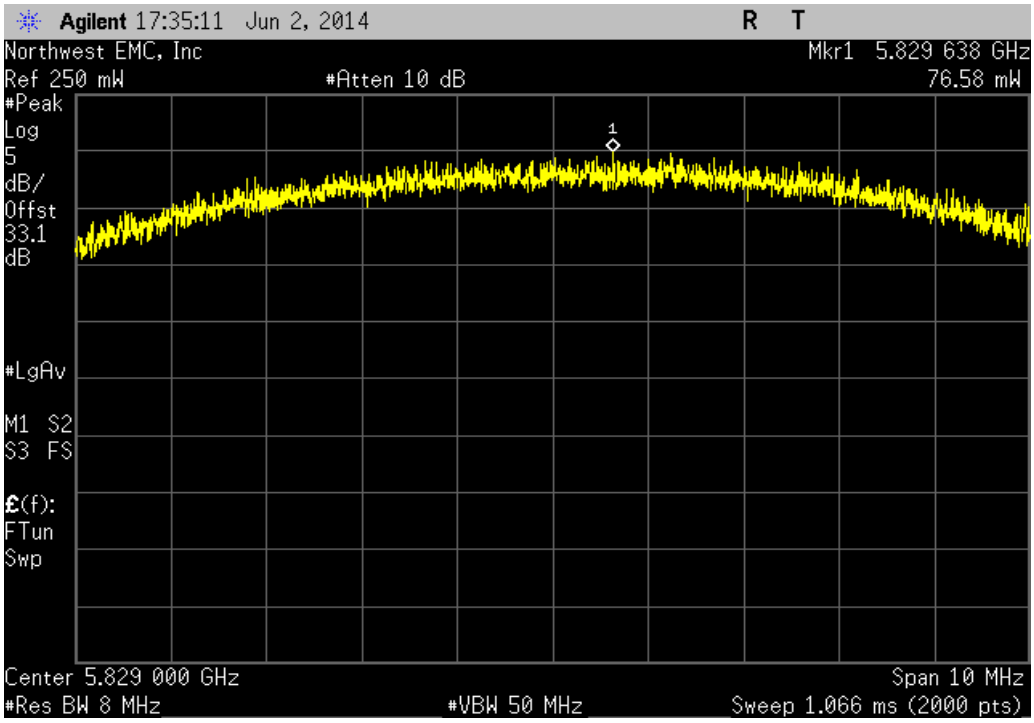
Chain 3, 5725 MHz - 5850 MHz Band, 5MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., Mid Channel 714, 5784MHz

				Value	Limit	Result
				104.4 mW	< 1 W	Pass



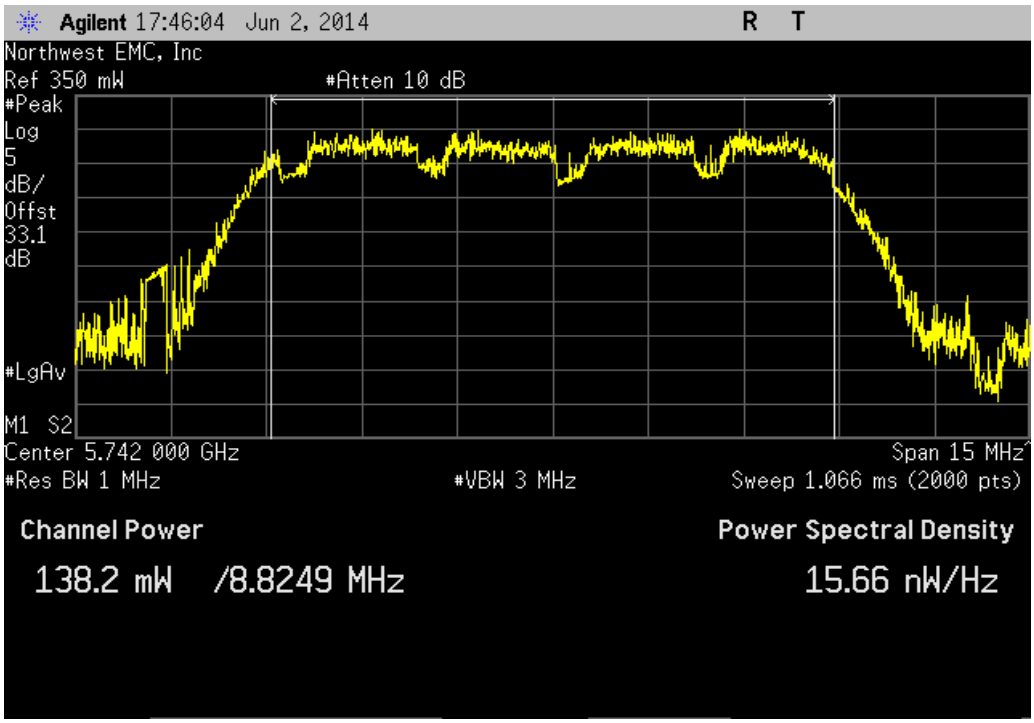
Chain 3, 5725 MHz - 5850 MHz Band, 5MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., High Channel 759, 5829MHz

				Value	Limit	Result
				76.577 mW	< 1 W	Pass

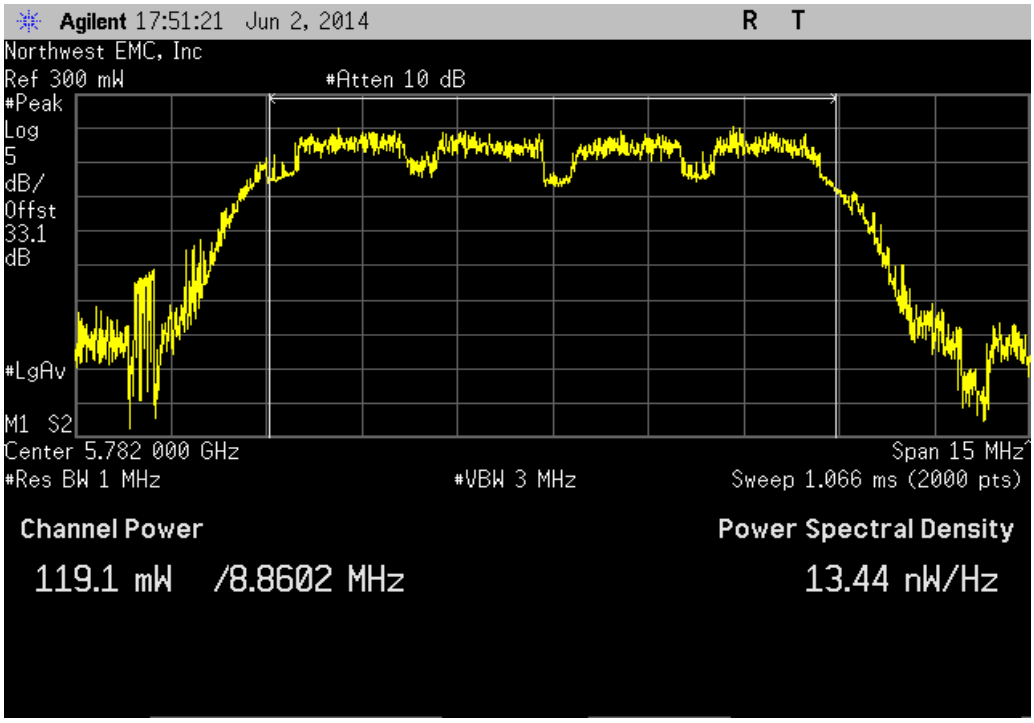


OUTPUT POWER - MIMO 3x3

Chain 3, 5725 MHz - 5850 MHz Band, 10MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., Low Channel 672, 5742MHz						
				Value	Limit	Result
				138.201 mW	< 1 W	Pass



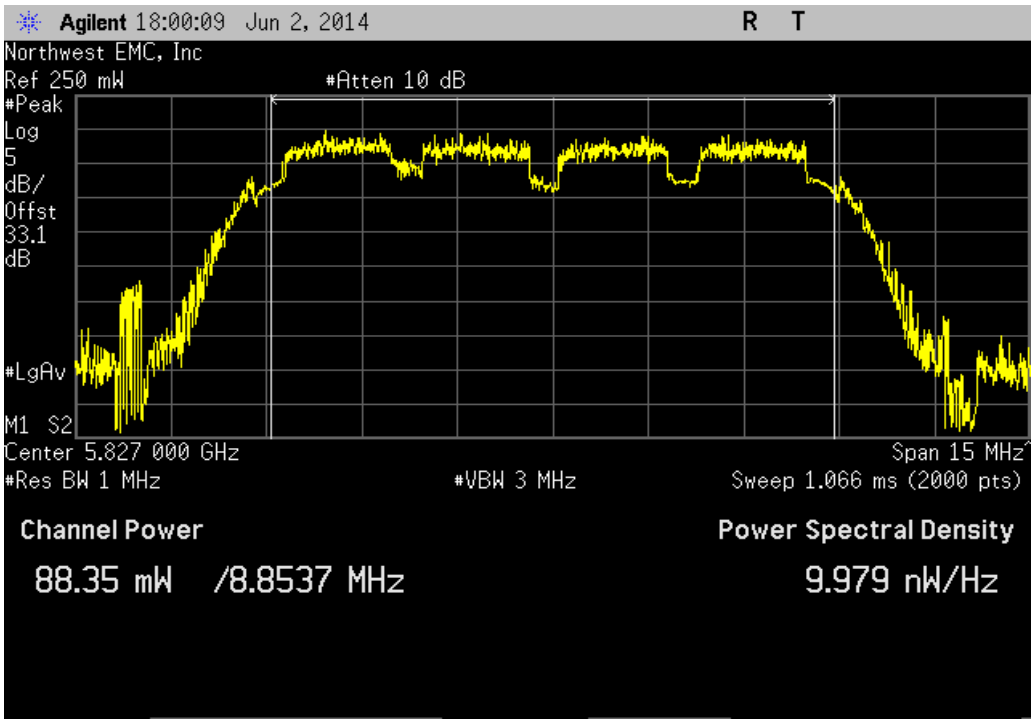
Chain 3, 5725 MHz - 5850 MHz Band, 10MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., Mid Channel 712, 5782MHz						
				Value	Limit	Result
				119.096 mW	< 1 W	Pass



OUTPUT POWER - MIMO 3x3

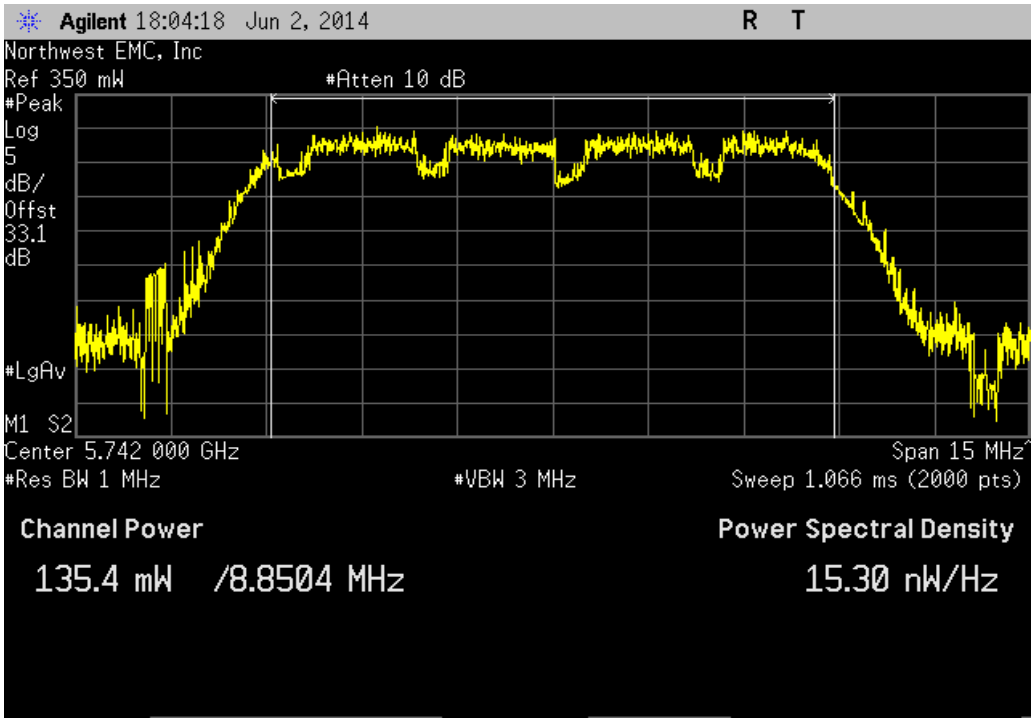
Chain 3, 5725 MHz - 5850 MHz Band, 10MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., High Channel 757, 5827MHz

				Value	Limit	Result
				88.351 mW	< 1 W	Pass



Chain 3, 5725 MHz - 5850 MHz Band, 10MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., Low Channel 672, 5742MHz

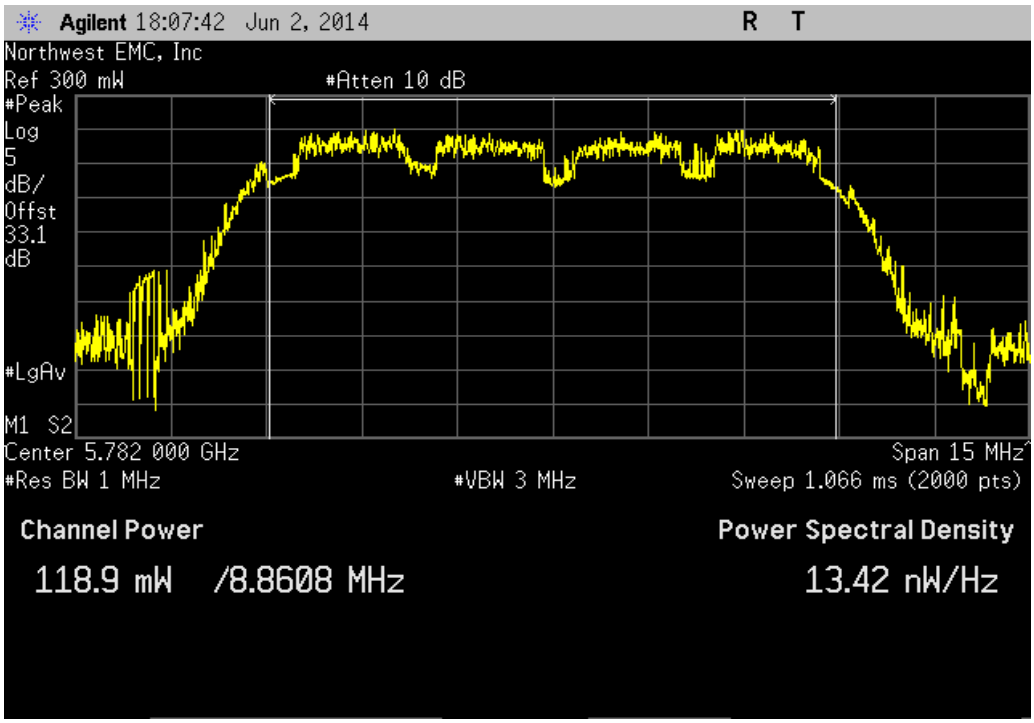
				Value	Limit	Result
				135.421 mW	< 1 W	Pass



OUTPUT POWER - MIMO 3x3

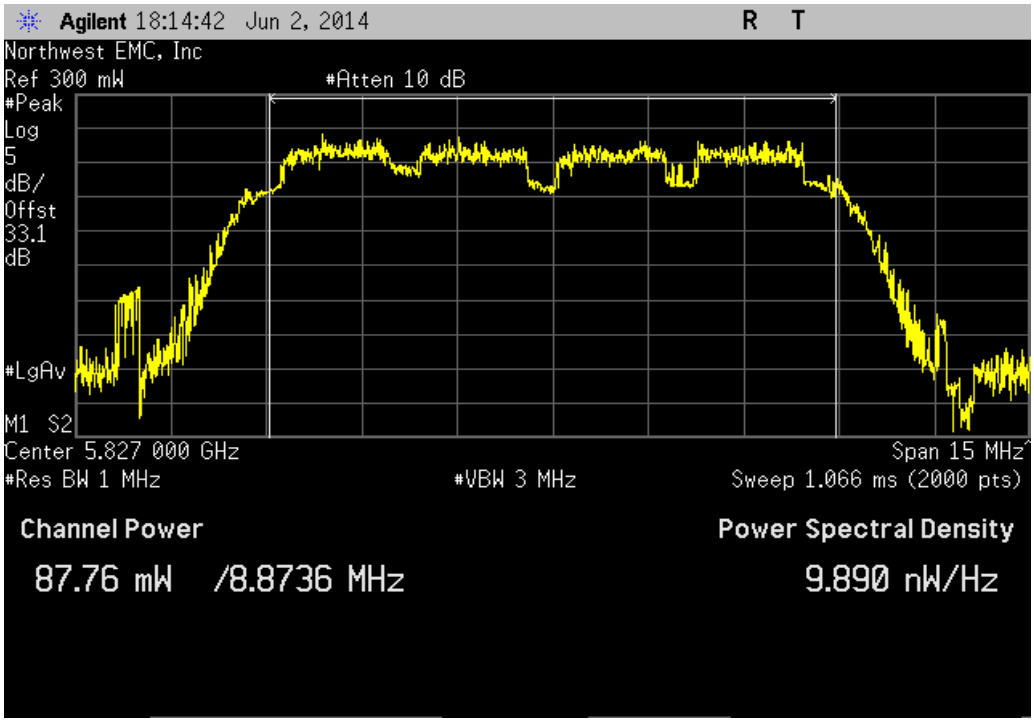
Chain 3, 5725 MHz - 5850 MHz Band, 10MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., Mid Channel 712, 5782MHz

				Value	Limit	Result
				118.871 mW	< 1 W	Pass



Chain 3, 5725 MHz - 5850 MHz Band, 10MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., High Channel 757, 5827MHz

				Value	Limit	Result
				87.756 mW	< 1 W	Pass



POWER SPECTRAL DENSITY - SISO

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)
40GHz DC Block	Miteq	DCB4000	AMD	4/28/2014	12
Attenuator 20 dB, SMA M/F 26GHz	S.M. Electronics	SA26B-20	AUY	7/30/2013	12
EV06 Direct Connect Cable	ESM Cable Corp.	TT	ECA	NCR	0
Attenuator 6 dB, SMA M/F 26GHz	S.M. Electronics	SA26B-6	AUX	7/30/2013	12
Power Meter	Agilent	N1913A	SQR	4/29/2013	36
Power Sensor	Agilent	E9300H	SQO	4/29/2013	36
Spectrum Analyzer	Agilent	E4446A	AAQ	1/21/2014	24
MXG MW Analog Signal Generator 40 Gig	Agilent	N5183A	TID	9/19/2011	36

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 - SISO

EUT:	WavePoint - 5GHz Radio (W5800-01)	Work Order:	FREW0028
Serial Number:	00:07:E7:A0:01:F1	Date:	06/03/14
Customer:	FreeWave Technologies, Inc.	Temperature:	22.6°C
Attendees:	Dean Busch	Humidity:	43%
Project:	None	Barometric Pres.:	1018.7
Tested by:	Brandon Hobbs, Jared Ison	Power: 110VAC/60Hz	Job Site: EV06

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

COMMENTS

An additional 10dB 5watt attenuater was used inline for all measurements made while under test. Please reference the power table for power settings used while under test.

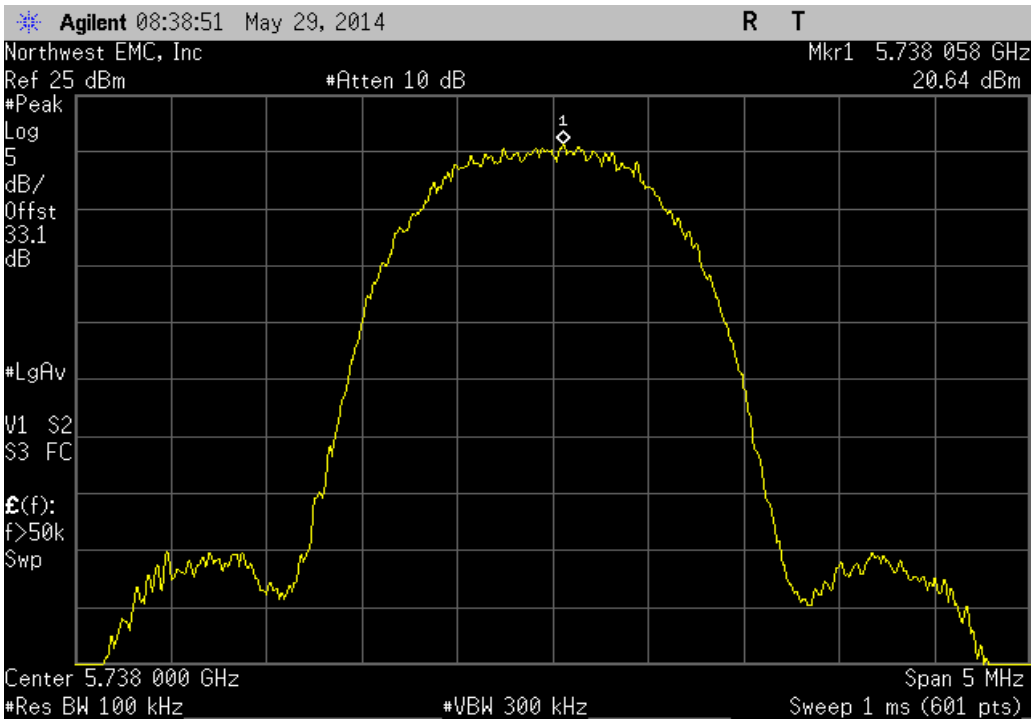
DEVIATIONS FROM TEST STANDARD

Configuration #	1	Signature

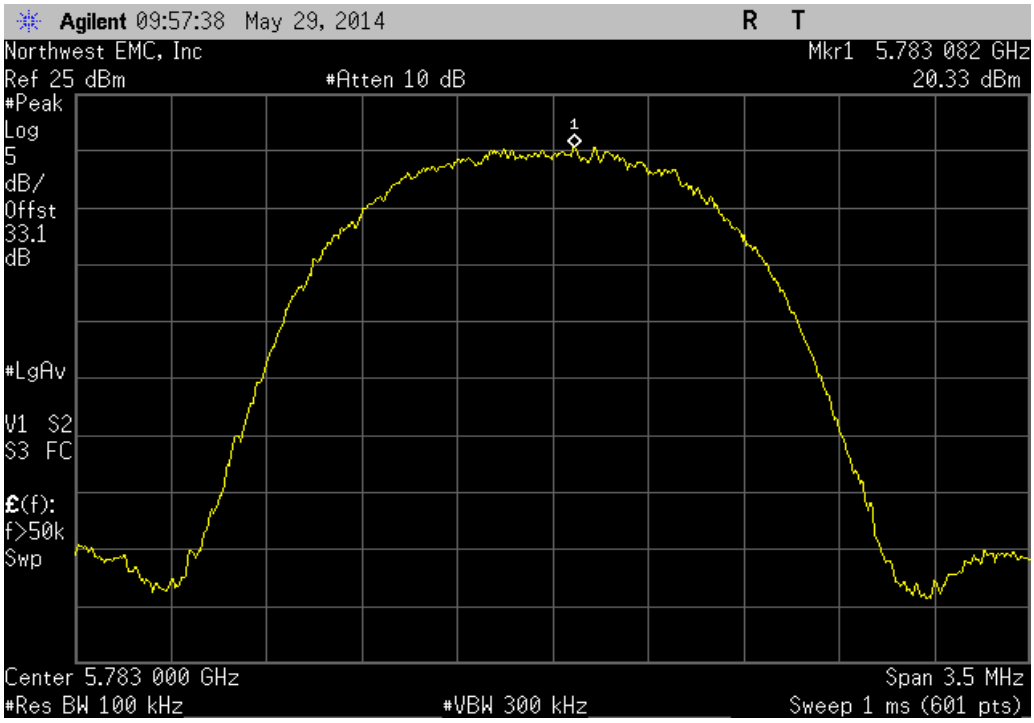
	Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
Chain 1					
5725 MHz - 5825 MHz Band					
2.5 MHz					
Modulation Type, BPSK, Coding Rate, 1/2					
Low Channel 5738 MHz	20.642	-15.2	5.442	8	Pass
Mid Channel 5783 MHz	20.329	-15.2	5.129	8	Pass
High Channel 5831 MHz	19.756	-15.2	4.556	8	Pass
Modulation Type, 16-QAM, Coding Rate, 3/4.					
Low Channel 5738 MHz	20.731	-15.2	5.531	8	Pass
Mid Channel 5783 MHz	20.266	-15.2	5.066	8	Pass
High Channel 5831 MHz	19.716	-15.2	4.516	8	Pass
Modulation Type, 64-QAM, Coding Rate, 3/4.					
Low Channel 5738 MHz	20.798	-15.2	5.598	8	Pass
Mid Channel 5783 MHz	20.361	-15.2	5.161	8	Pass
High Channel 5831 MHz	19.94	-15.2	4.74	8	Pass
Modulation Type, BPSK, Coding Rate, 1/2.					
Low Channel 5738 MHz	14.591	-15.2	-0.609	8	Pass
Mid Channel 5783 MHz	12.972	-15.2	-2.228	8	Pass
High Channel 5831 MHz	12.549	-15.2	-2.651	8	Pass
Modulation Type, 64-QAM, Coding Rate, 5/6.					
Low Channel 5738 MHz	13.552	-15.2	-1.648	8	Pass
Mid Channel 5783 MHz	13.139	-15.2	-2.061	8	Pass
High Channel 5831 MHz	12.281	-15.2	-2.919	8	Pass
5 MHz					
Modulation Type, BPSK, Coding Rate, 1/2					
Low Channel 5739 MHz	17.318	-15.2	2.118	8	Pass
Mid Channel 5784 MHz	17.319	-15.2	2.119	8	Pass
High Channel 5829 MHz	16.595	-15.2	1.395	8	Pass
Modulation Type, 16-QAM, Coding Rate, 3/4.					
Low Channel 5739 MHz	17.5	-15.2	2.3	8	Pass
Mid Channel 5784 MHz	17.137	-15.2	1.937	8	Pass
High Channel 5829 MHz	16.114	-15.2	0.914	8	Pass
Modulation Type, 64-QAM, Coding Rate, 3/4.					
Low Channel 5739 MHz	17.069	-15.2	1.869	8	Pass
Mid Channel 5784 MHz	17.398	-15.2	2.198	8	Pass
High Channel 5829 MHz	16.215	-15.2	1.015	8	Pass
Modulation Type, BPSK, Coding Rate, 1/2.					
Low Channel 5739 MHz	9.545	-15.2	-5.655	8	Pass
Mid Channel 5784 MHz	8.239	-15.2	-6.961	8	Pass
High Channel 5829 MHz	8.175	-15.2	-7.025	8	Pass
Modulation Type, 64-QAM, Coding Rate, 5/6.					
Low Channel 5739 MHz	9.163	-15.2	-6.037	8	Pass
Mid Channel 5784 MHz	8.377	-15.2	-6.823	8	Pass
High Channel 5829 MHz	7.704	-15.2	-7.496	8	Pass
10 MHz					
Modulation Type, BPSK, Coding Rate, 1/2					
Low Channel 5742 MHz	17.426	-15.2	2.226	8	Pass
Mid Channel 5782 MHz	17.599	-15.2	2.399	8	Pass
High Channel 5827 MHz	16.707	-15.2	1.507	8	Pass
Modulation Type, 16-QAM, Coding Rate, 3/4.					
Low Channel 5742 MHz	17.386	-15.2	2.186	8	Pass
Mid Channel 5782 MHz	17.629	-15.2	2.429	8	Pass
High Channel 5827 MHz	16.366	-15.2	1.166	8	Pass
Modulation Type, 64-QAM, Coding Rate, 3/4.					
Low Channel 5742 MHz	17.705	-15.2	2.505	8	Pass
Mid Channel 5782 MHz	17.16	-15.2	1.96	8	Pass
High Channel 5827 MHz	16.438	-15.2	1.238	8	Pass
Modulation Type, BPSK, Coding Rate, 1/2.					
Low Channel 5742 MHz	15.137	-15.2	-0.063	8	Pass
Mid Channel 5782 MHz	14.286	-15.2	-0.914	8	Pass
High Channel 5827 MHz	14.412	-15.2	-0.788	8	Pass
Modulation Type, 64-QAM, Coding Rate, 5/6.					
Low Channel 5742 MHz	14.969	-15.2	-0.231	8	Pass
Mid Channel 5782 MHz	14.706	-15.2	-0.494	8	Pass
High Channel 5827 MHz	14.232	-15.2	-0.968	8	Pass

POWER SPECTRAL DENSITY - SISO

Chain 1, 5725 MHz - 5825 MHz Band, 2.5 MHz, Modulation Type, BPSK, Coding Rate, 1/2, Low Channel 5738 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		20.642	-15.2	5.442	8	Pass

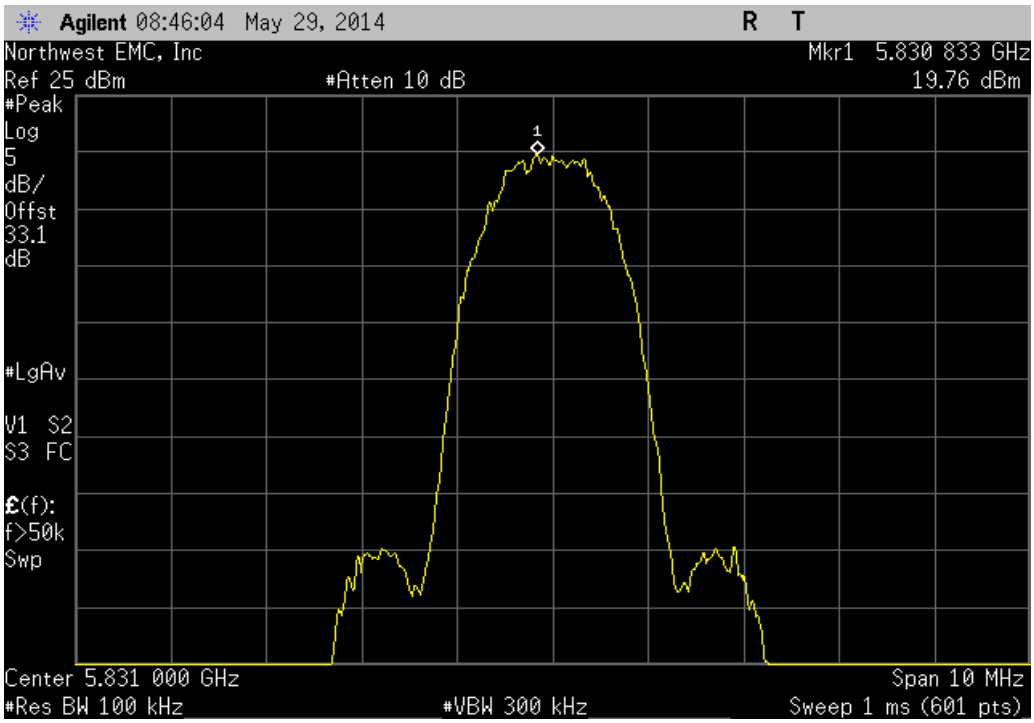


Chain 1, 5725 MHz - 5825 MHz Band, 2.5 MHz, Modulation Type, BPSK, Coding Rate, 1/2, Mid Channel 5783 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		20.329	-15.2	5.129	8	Pass

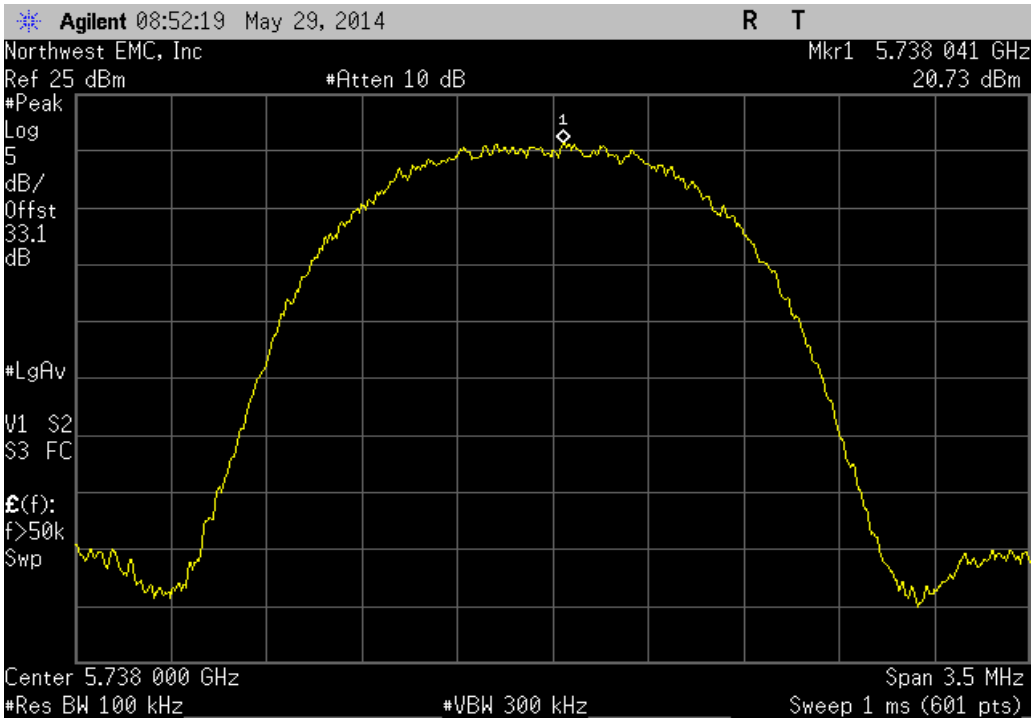


POWER SPECTRAL DENSITY - SISO

Chain 1, 5725 MHz - 5825 MHz Band, 2.5 MHz, Modulation Type, BPSK, Coding Rate, 1/2, High Channel 5831 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		19.756	-15.2	4.556	8	Pass

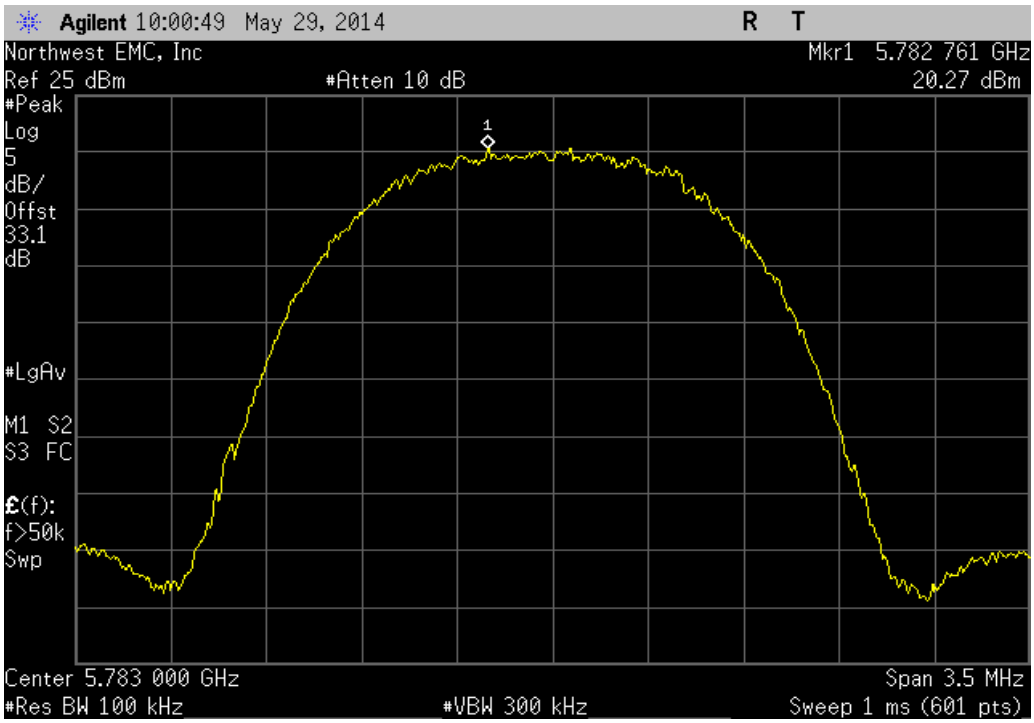


Chain 1, 5725 MHz - 5825 MHz Band, 2.5 MHz, Modulation Type, 16-QAM, Coding Rate, 3/4., Low Channel 5738 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		20.731	-15.2	5.531	8	Pass

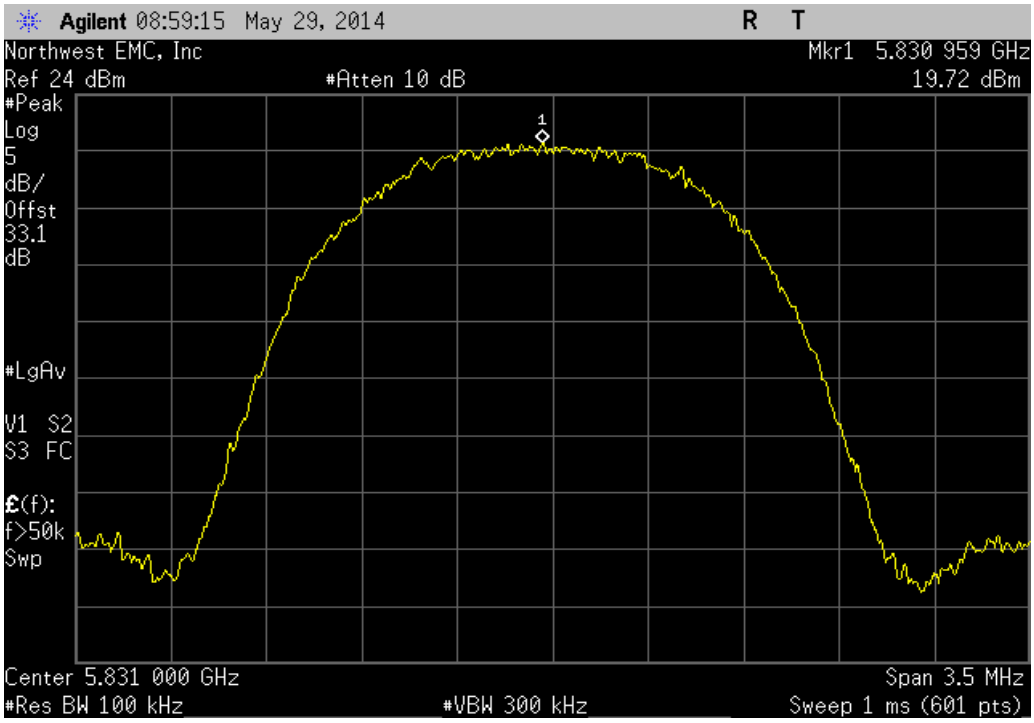


POWER SPECTRAL DENSITY - SISO

Chain 1, 5725 MHz - 5825 MHz Band, 2.5 MHz, Modulation Type, 16-QAM, Coding Rate, 3/4., Mid Channel 5783 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		20.266	-15.2	5.066	8	Pass

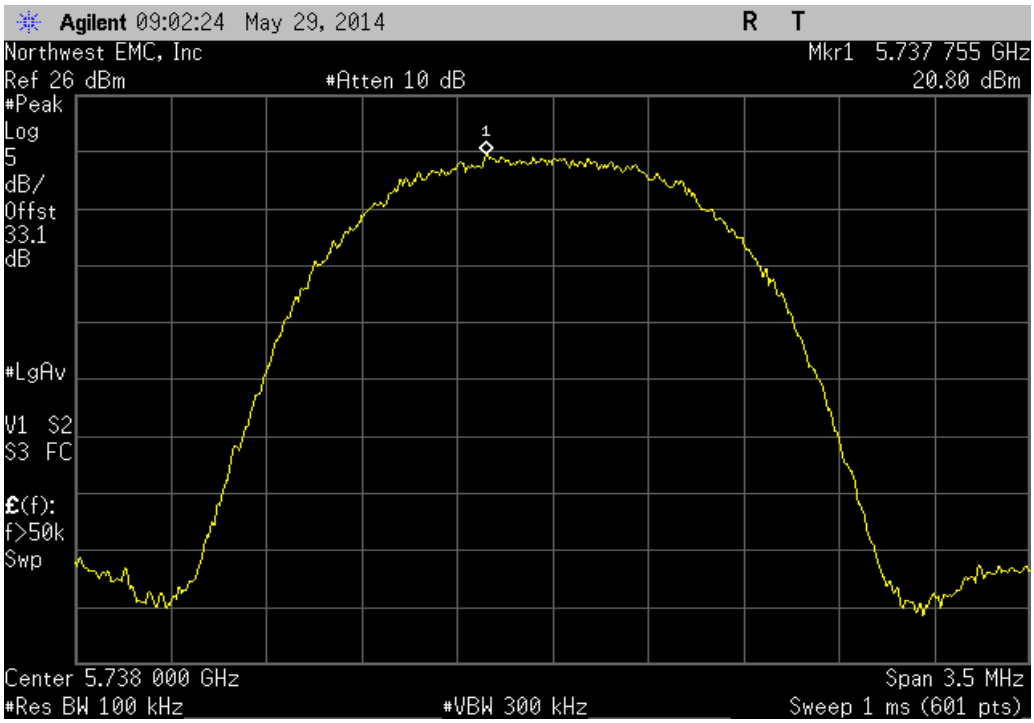


Chain 1, 5725 MHz - 5825 MHz Band, 2.5 MHz, Modulation Type, 16-QAM, Coding Rate, 3/4., High Channel 5831 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		19.716	-15.2	4.516	8	Pass

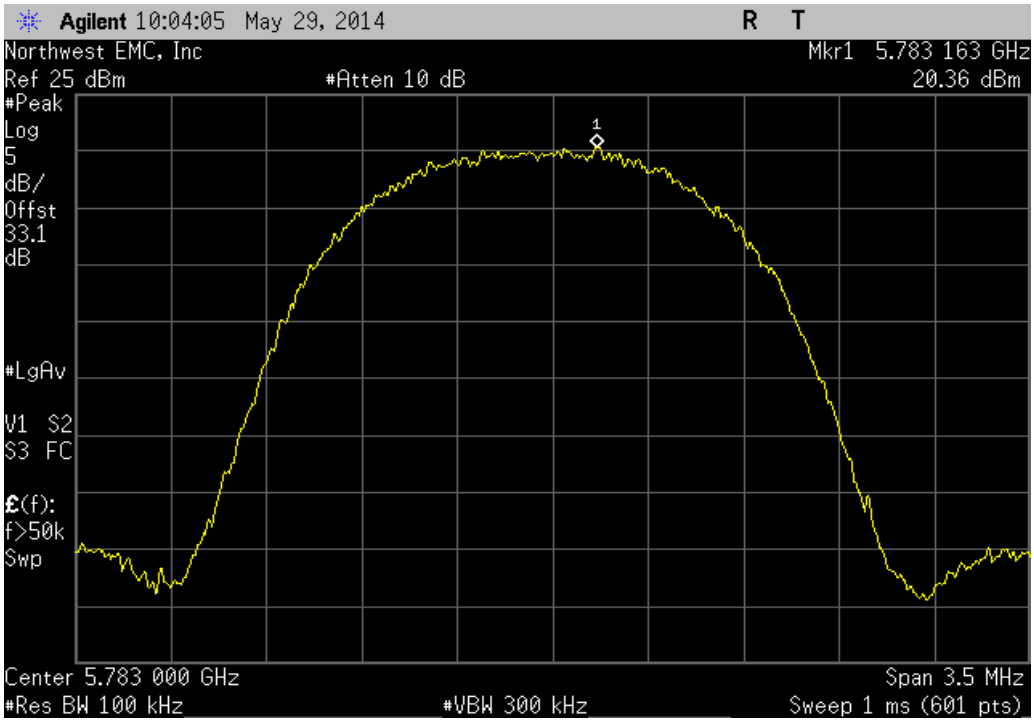


POWER SPECTRAL DENSITY - SISO

Chain 1, 5725 MHz - 5825 MHz Band, 2.5 MHz, Modulation Type, 64-QAM, Coding Rate, 3/4., Low Channel 5738 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		20.798	-15.2	5.598	8	Pass

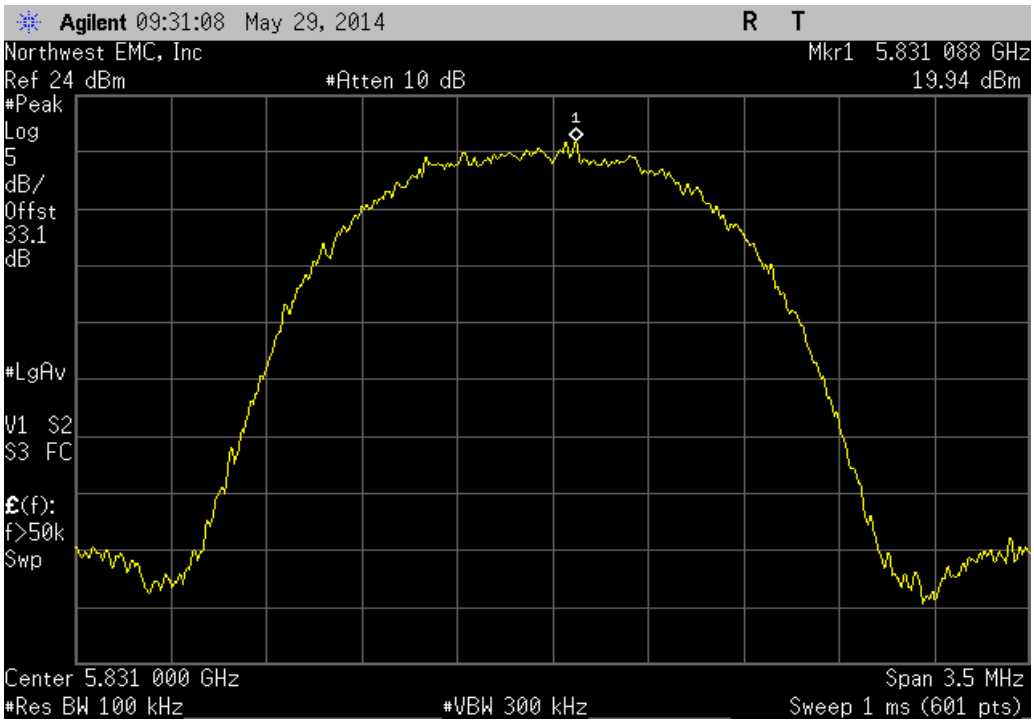


Chain 1, 5725 MHz - 5825 MHz Band, 2.5 MHz, Modulation Type, 64-QAM, Coding Rate, 3/4., Mid Channel 5783 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		20.361	-15.2	5.161	8	Pass

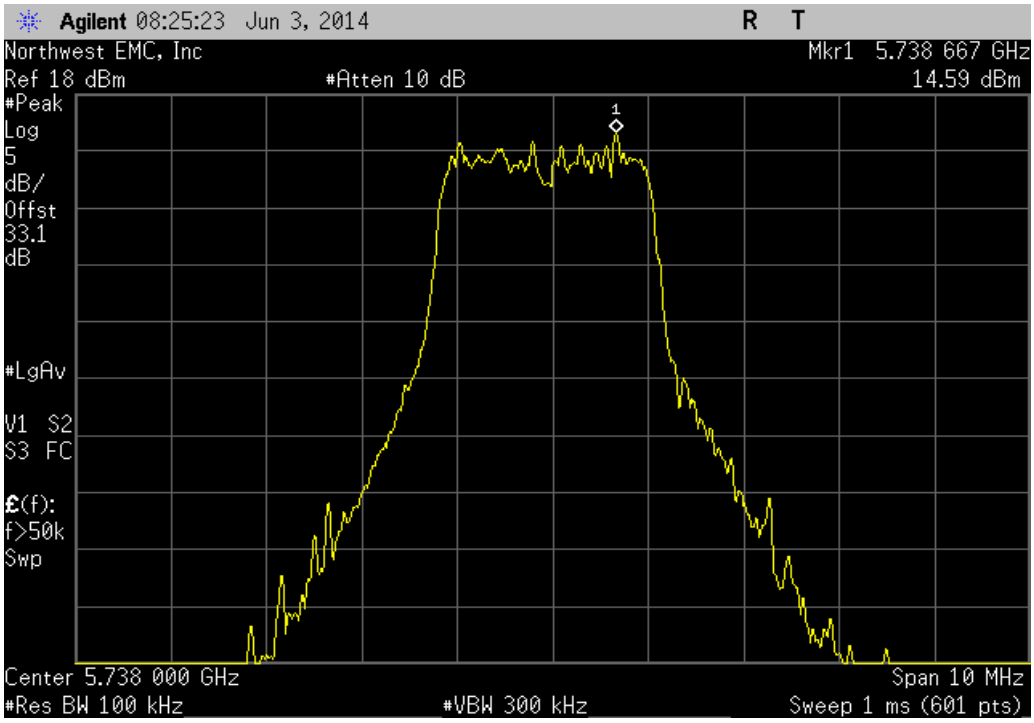


POWER SPECTRAL DENSITY - SISO

Chain 1, 5725 MHz - 5825 MHz Band, 2.5 MHz, Modulation Type, 64-QAM, Coding Rate, 3/4., High Channel 5831 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		19.94	-15.2	4.74	8	Pass

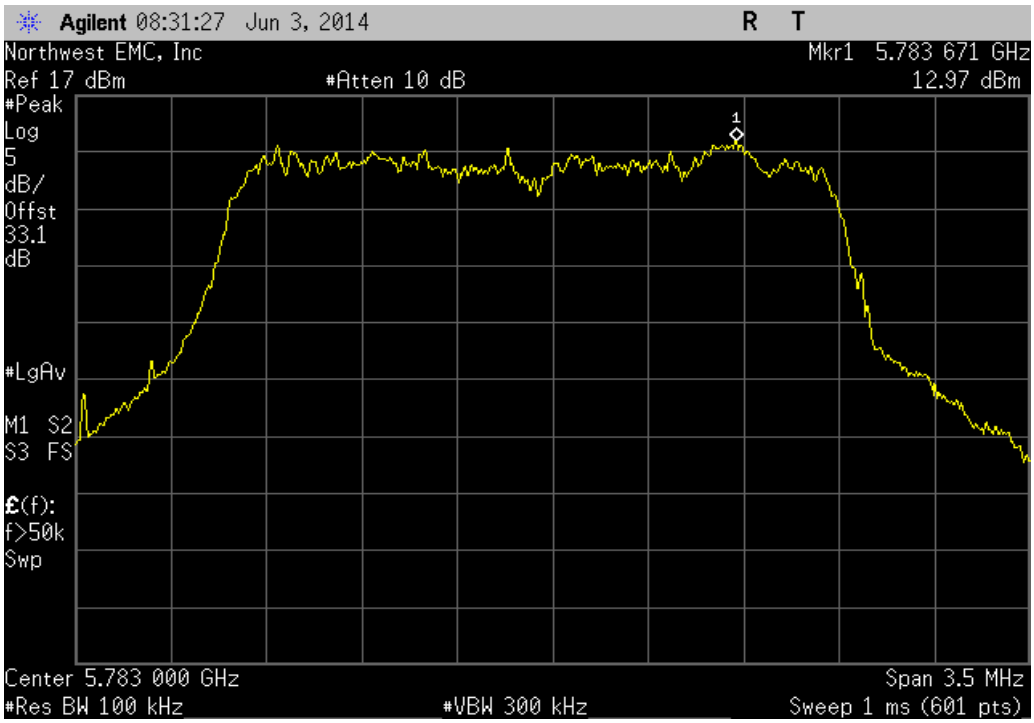


Chain 1, 5725 MHz - 5825 MHz Band, 2.5 MHz, Modulation Type, BPSK, Coding Rate, 1/2. , Low Channel 5738 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		14.591	-15.2	-0.609	8	Pass

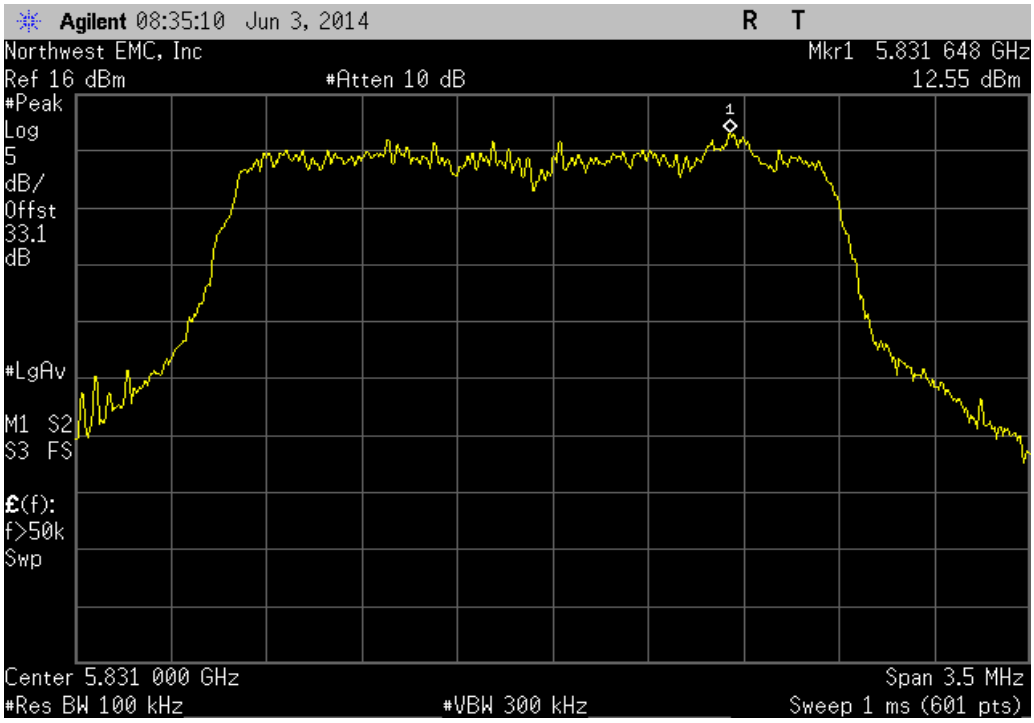


POWER SPECTRAL DENSITY - SISO

Chain 1, 5725 MHz - 5825 MHz Band, 2.5 MHz, Modulation Type, BPSK, Coding Rate, 1/2. , Mid Channel 5783 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		12.972	-15.2	-2.228	8	Pass

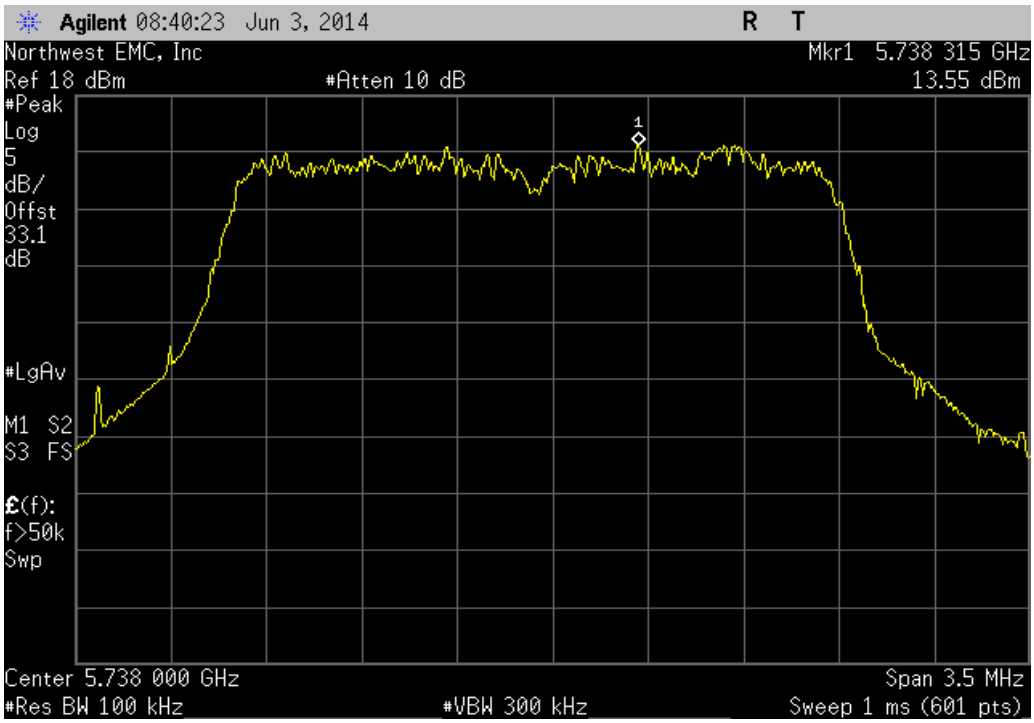


Chain 1, 5725 MHz - 5825 MHz Band, 2.5 MHz, Modulation Type, BPSK, Coding Rate, 1/2. , High Channel 5831 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		12.549	-15.2	-2.651	8	Pass

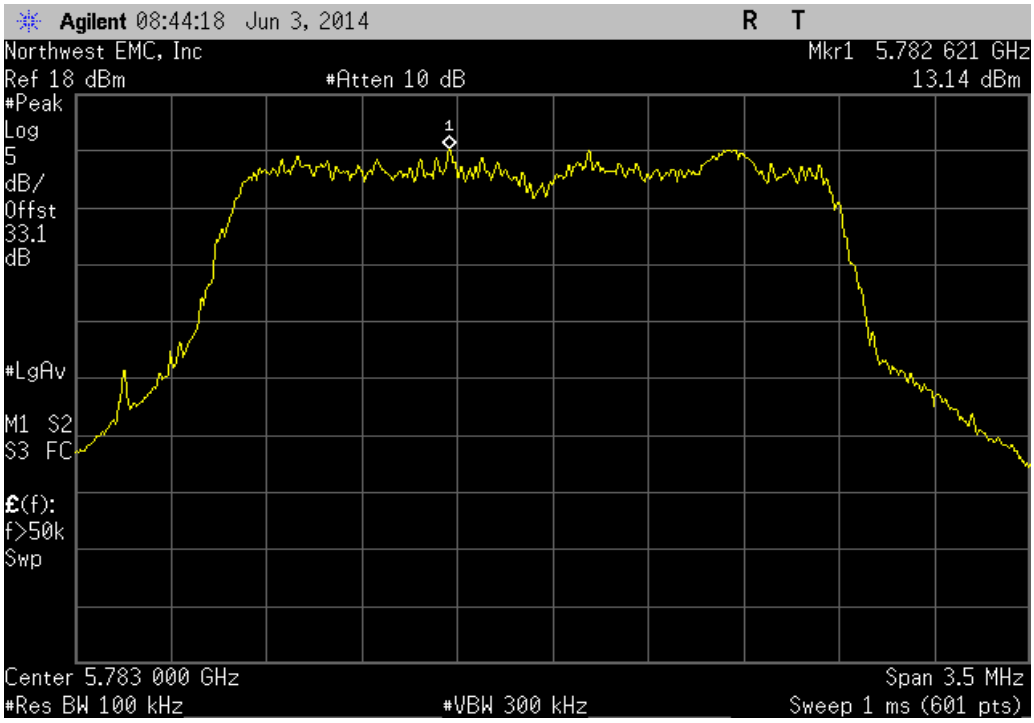


POWER SPECTRAL DENSITY - SISO

Chain 1, 5725 MHz - 5825 MHz Band, 2.5 MHz, Modulation Type, 64-QAM, Coding Rate, 5/6., Low Channel 5738 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		13.552	-15.2	-1.648	8	Pass

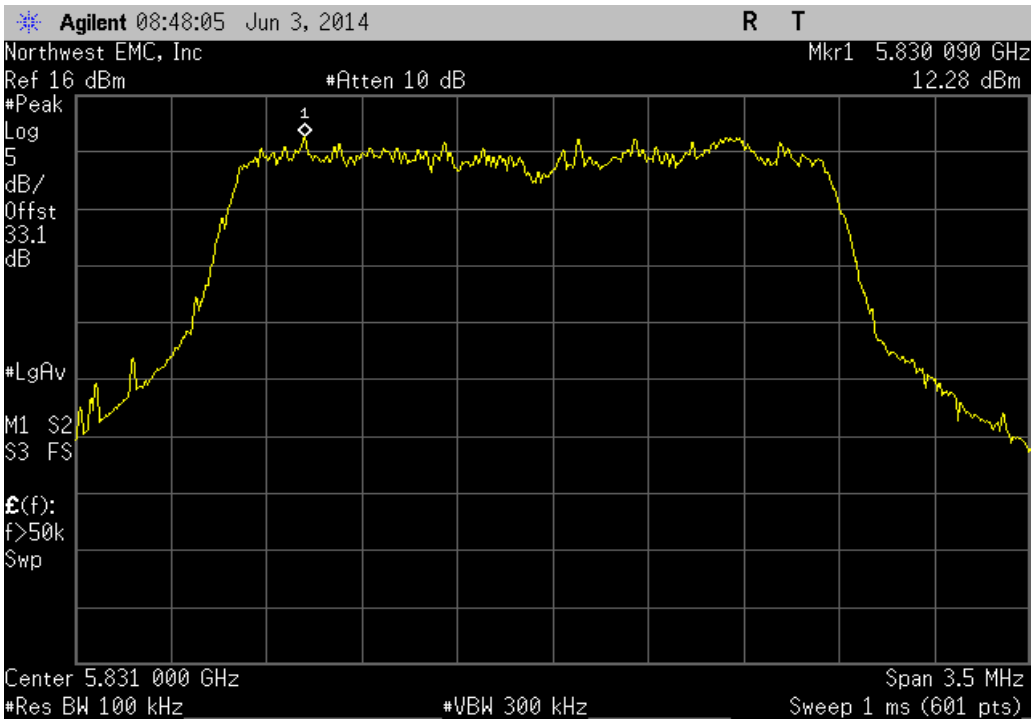


Chain 1, 5725 MHz - 5825 MHz Band, 2.5 MHz, Modulation Type, 64-QAM, Coding Rate, 5/6., Mid Channel 5783 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		13.139	-15.2	-2.061	8	Pass

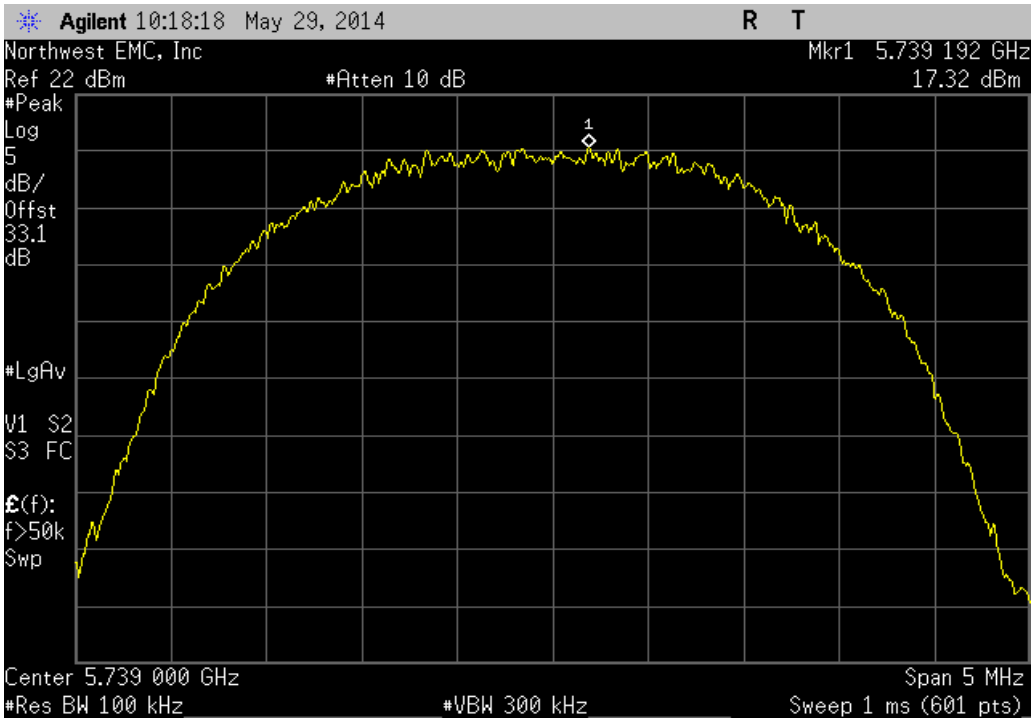


POWER SPECTRAL DENSITY - SISO

Chain 1, 5725 MHz - 5825 MHz Band, 2.5 MHz, Modulation Type, 64-QAM, Coding Rate, 5/6., High Channel 5831 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		12.281	-15.2	-2.919	8	Pass

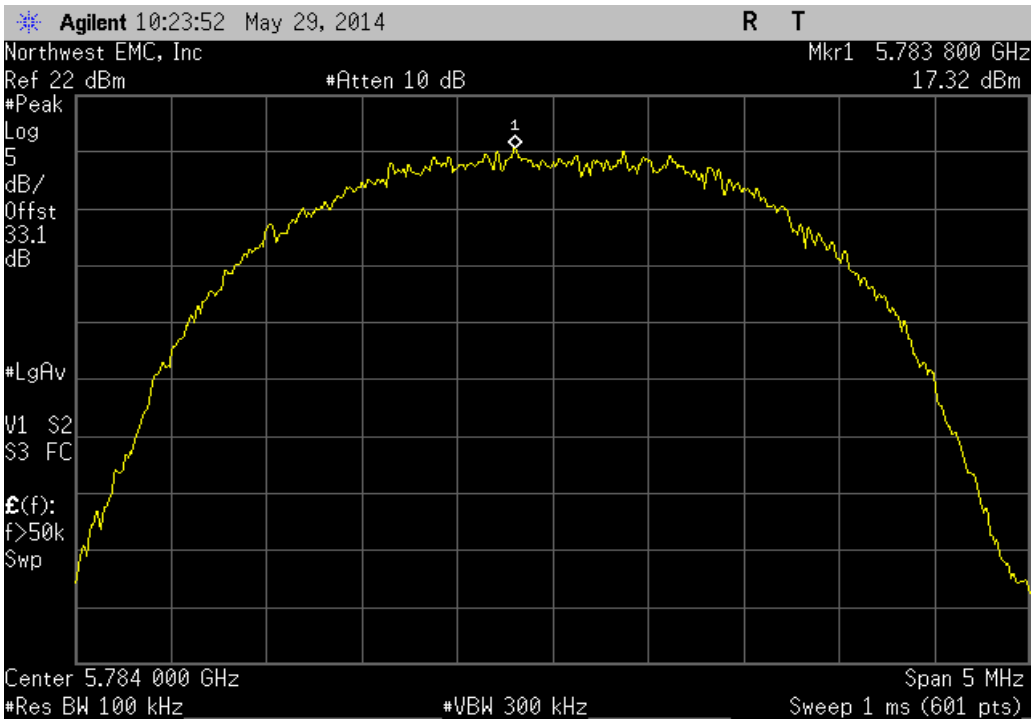


Chain 1, 5725 MHz - 5825 MHz Band, 5 MHz, Modulation Type, BPSK, Coding Rate, 1/2, Low Channel 5739 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		17.318	-15.2	2.118	8	Pass

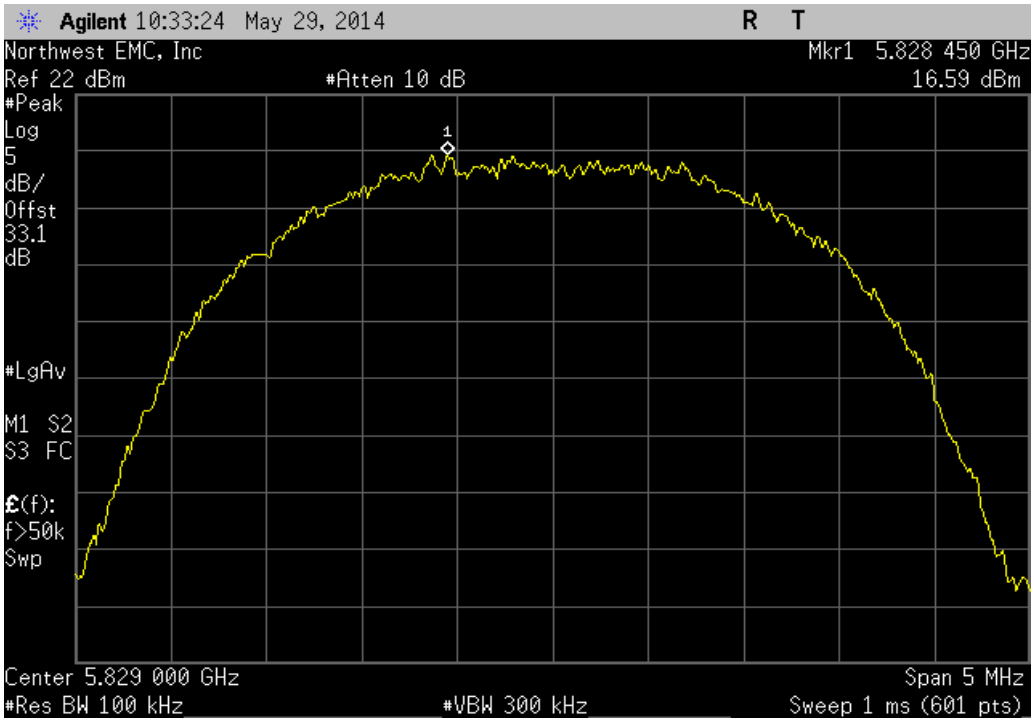


POWER SPECTRAL DENSITY - SISO

Chain 1, 5725 MHz - 5825 MHz Band, 5 MHz, Modulation Type, BPSK, Coding Rate, 1/2, Mid Channel 5784 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		17.319	-15.2	2.119	8	Pass

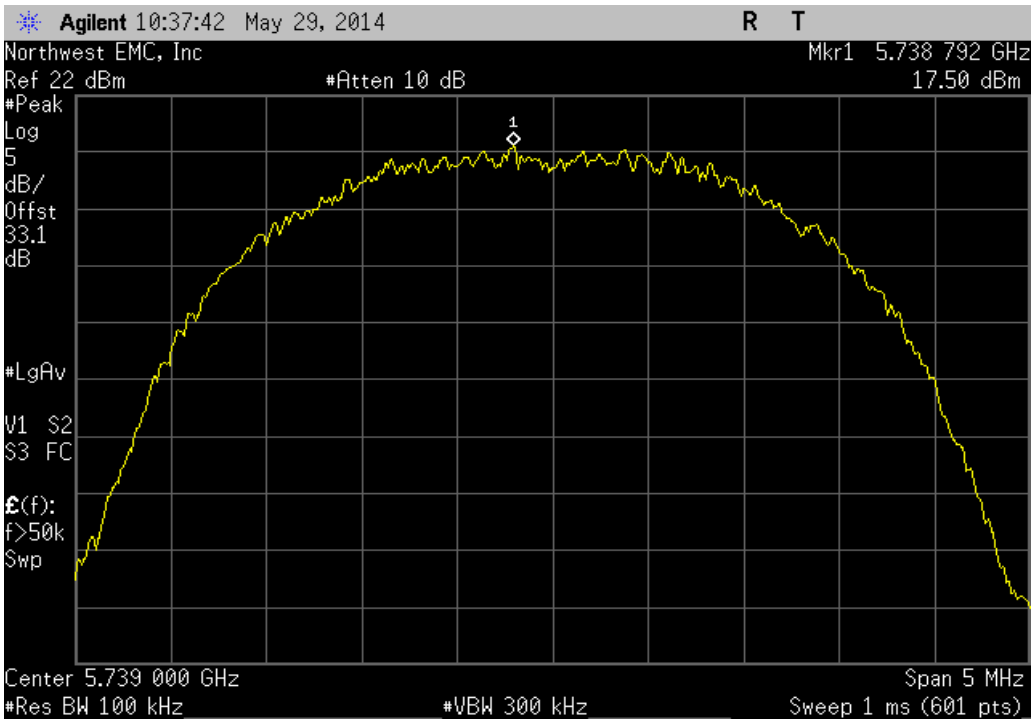


Chain 1, 5725 MHz - 5825 MHz Band, 5 MHz, Modulation Type, BPSK, Coding Rate, 1/2, High Channel 5829 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		16.595	-15.2	1.395	8	Pass

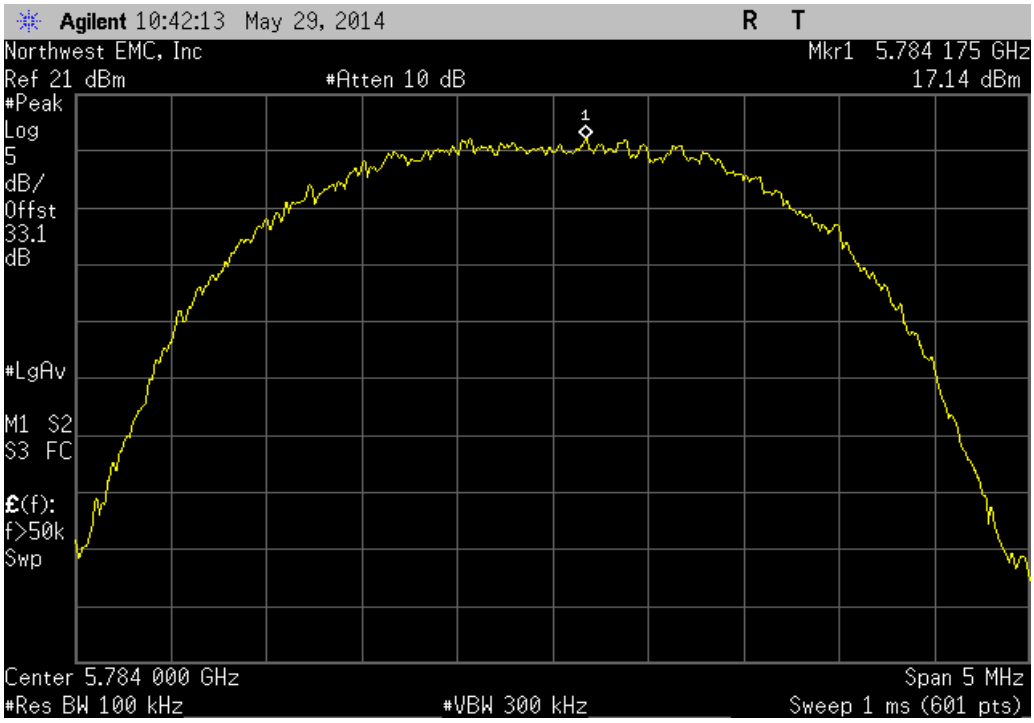


POWER SPECTRAL DENSITY - SISO

Chain 1, 5725 MHz - 5825 MHz Band, 5 MHz, Modulation Type, 16-QAM, Coding Rate, 3/4., Low Channel 5739 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		17.5	-15.2	2.3	8	Pass

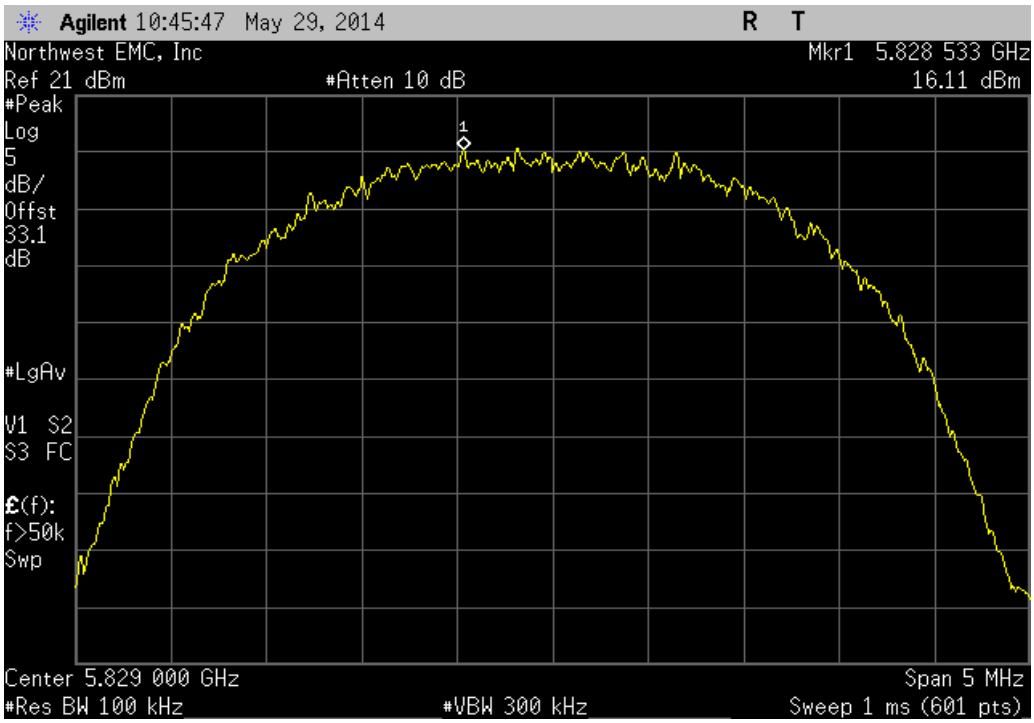


Chain 1, 5725 MHz - 5825 MHz Band, 5 MHz, Modulation Type, 16-QAM, Coding Rate, 3/4., Mid Channel 5784 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		17.137	-15.2	1.937	8	Pass

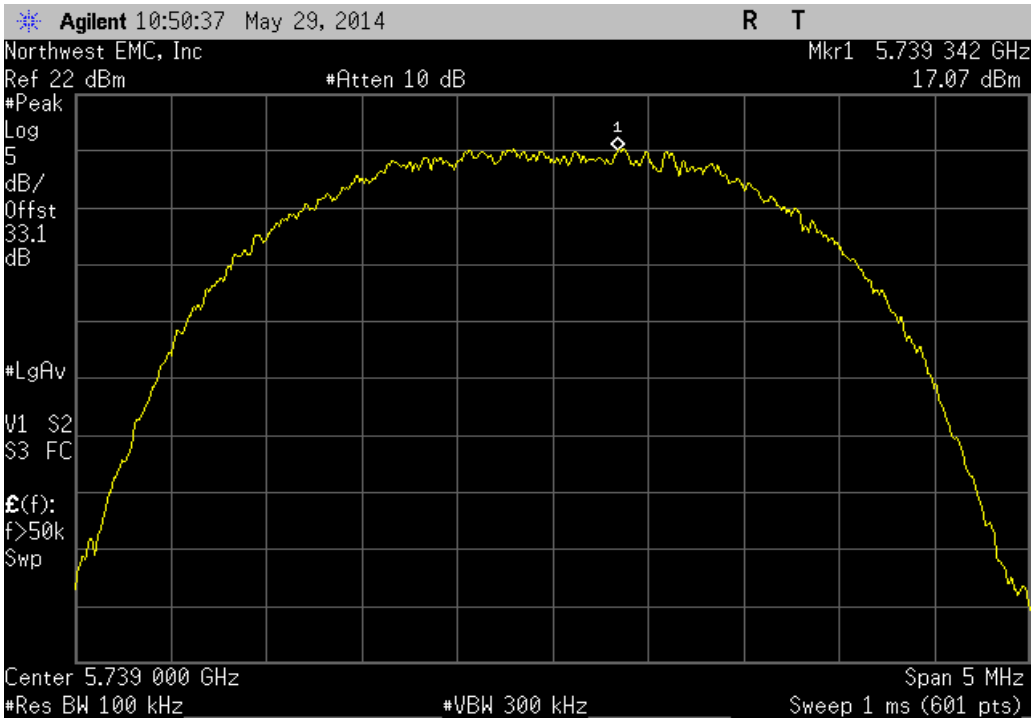


POWER SPECTRAL DENSITY - SISO

Chain 1, 5725 MHz - 5825 MHz Band, 5 MHz, Modulation Type, 16-QAM, Coding Rate, 3/4., High Channel 5829 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		16.114	-15.2	0.914	8	Pass

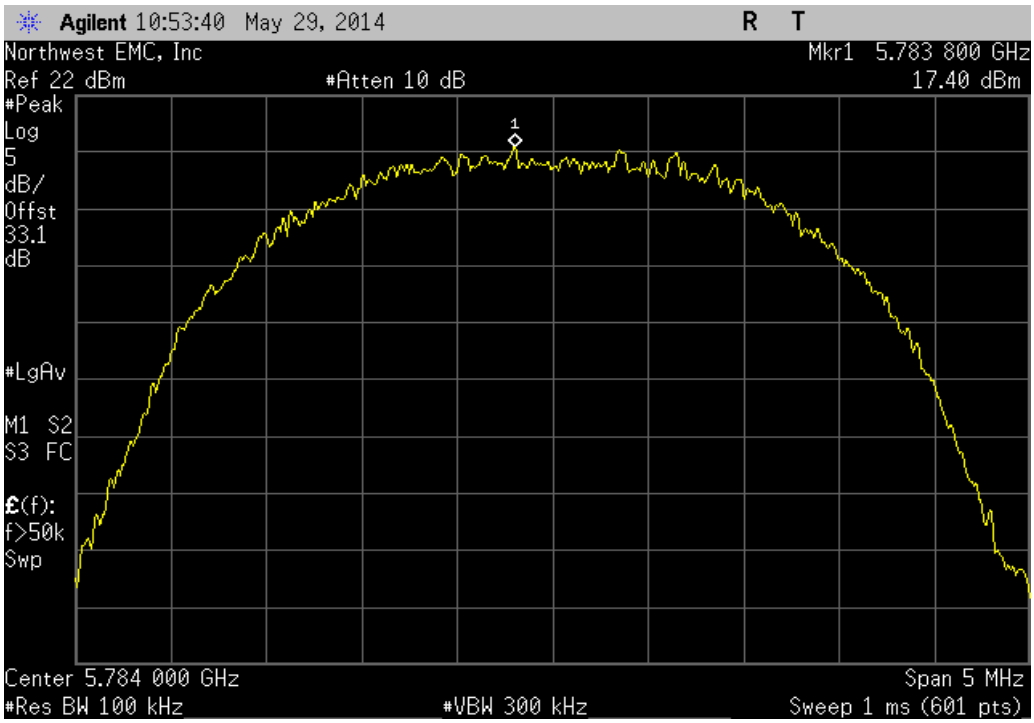


Chain 1, 5725 MHz - 5825 MHz Band, 5 MHz, Modulation Type, 64-QAM, Coding Rate, 3/4., Low Channel 5739 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		17.069	-15.2	1.869	8	Pass

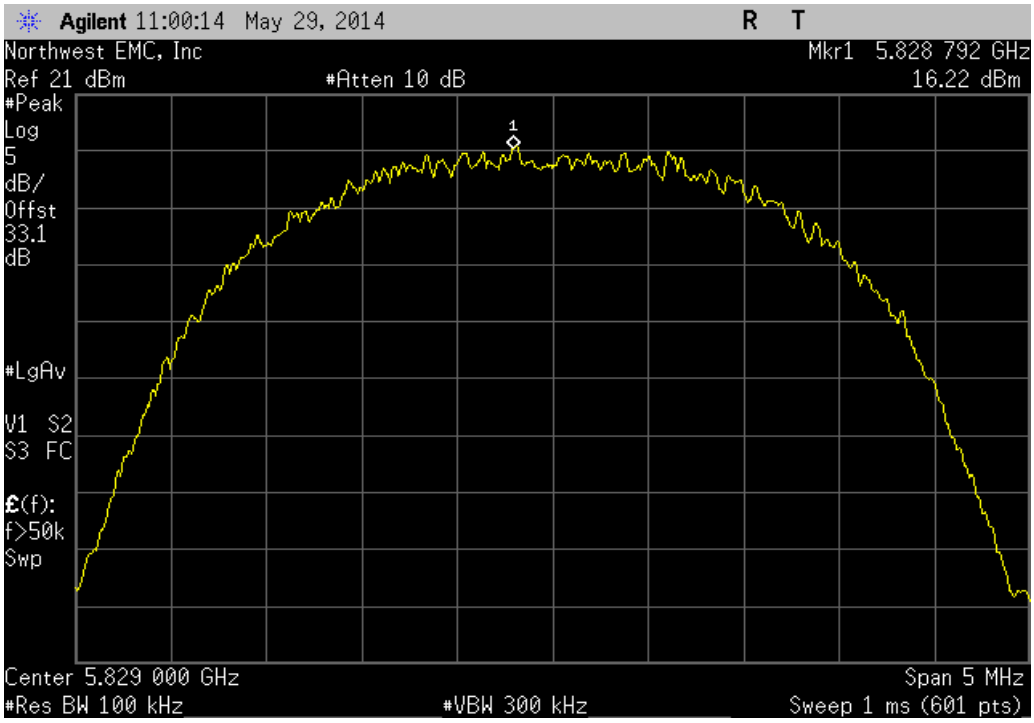


POWER SPECTRAL DENSITY - SISO

Chain 1, 5725 MHz - 5825 MHz Band, 5 MHz, Modulation Type, 64-QAM, Coding Rate, 3/4., Mid Channel 5784 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		17.398	-15.2	2.198	8	Pass

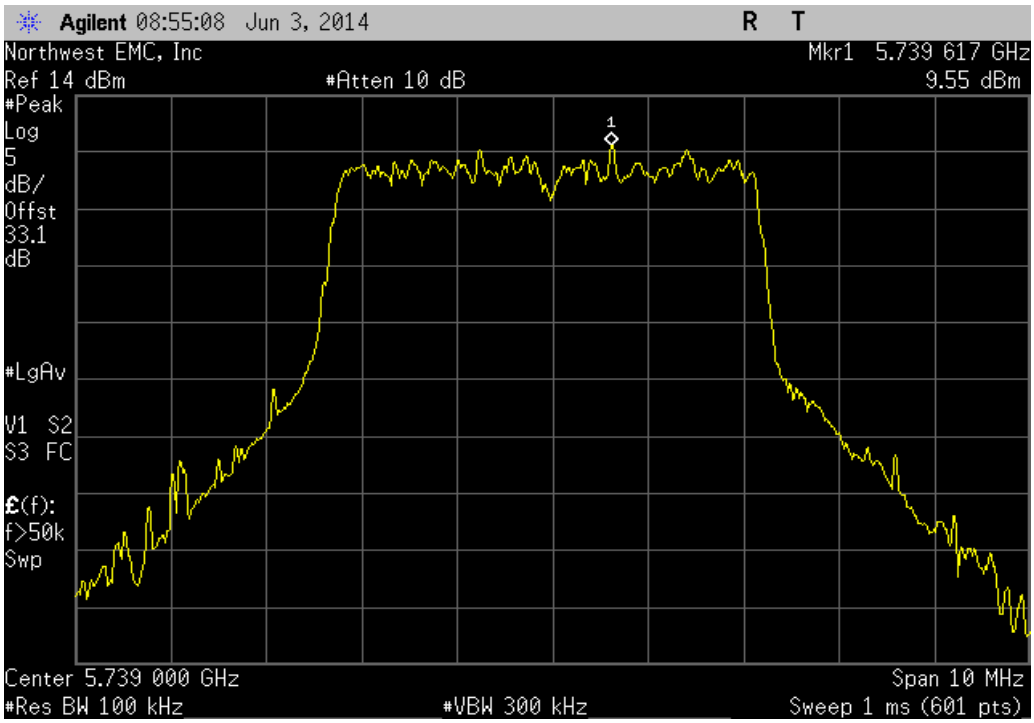


Chain 1, 5725 MHz - 5825 MHz Band, 5 MHz, Modulation Type, 64-QAM, Coding Rate, 3/4., High Channel 5829 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		16.215	-15.2	1.015	8	Pass

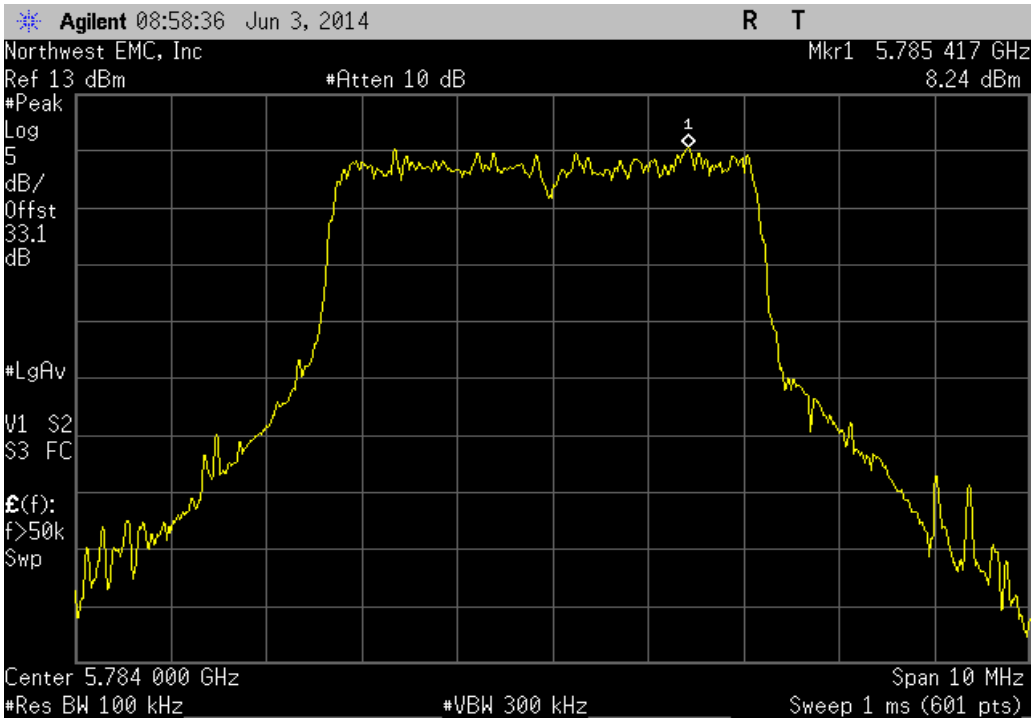


POWER SPECTRAL DENSITY - SISO

Chain 1, 5725 MHz - 5825 MHz Band, 5 MHz, Modulation Type, BPSK, Coding Rate, 1/2. , Low Channel 5739 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		9.545	-15.2	-5.655	8	Pass

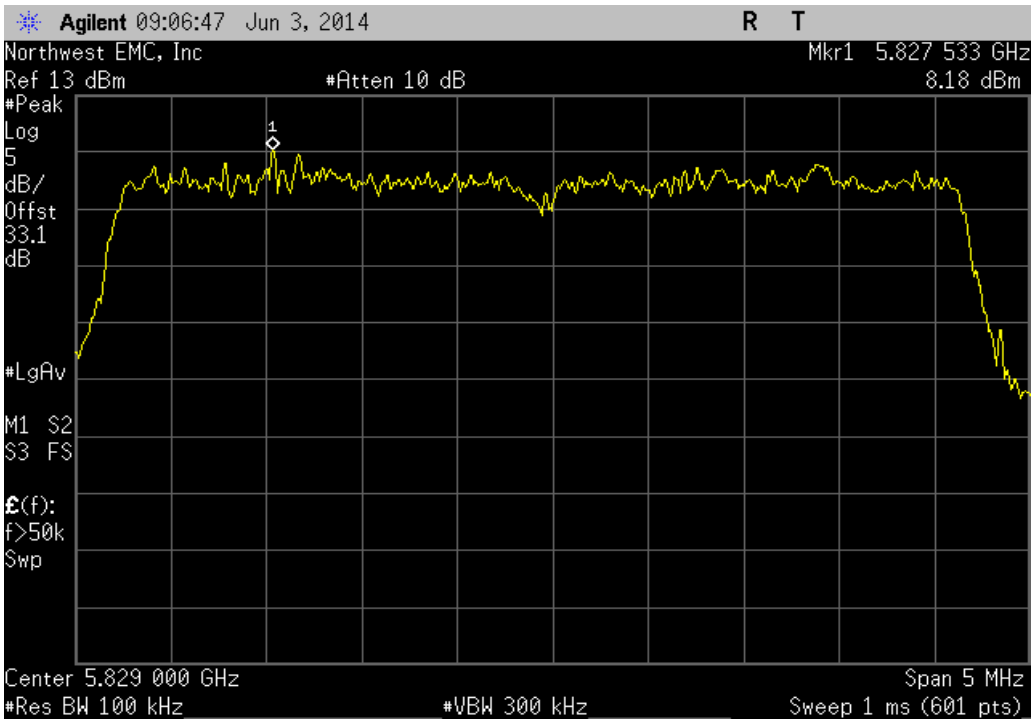


Chain 1, 5725 MHz - 5825 MHz Band, 5 MHz, Modulation Type, BPSK, Coding Rate, 1/2. , Mid Channel 5784 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		8.239	-15.2	-6.961	8	Pass

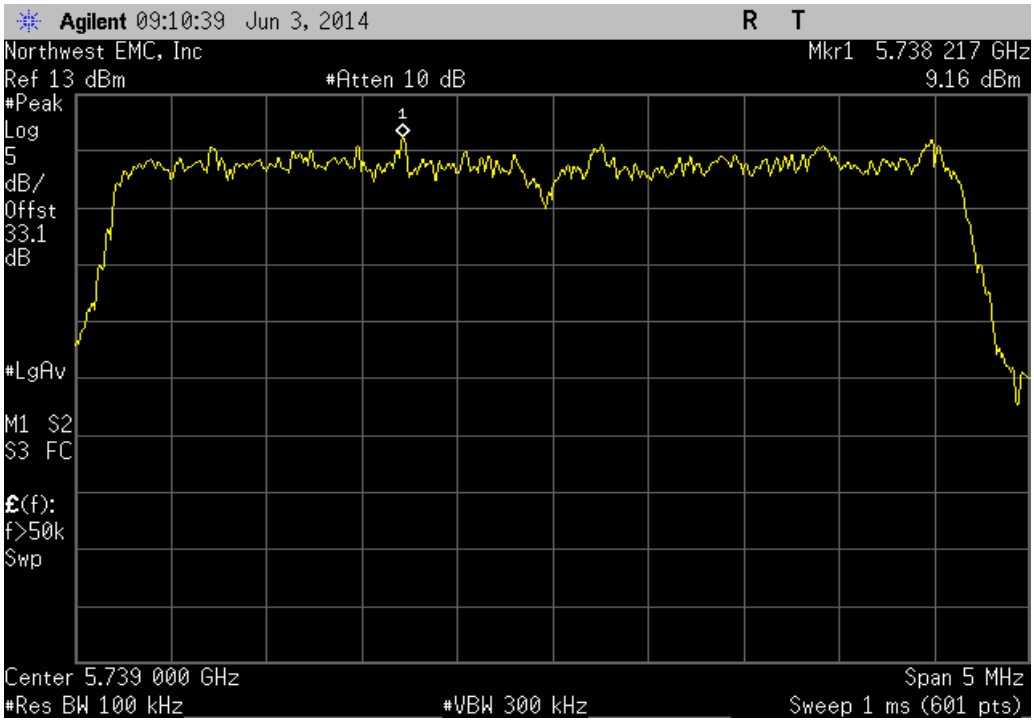


POWER SPECTRAL DENSITY - SISO

Chain 1, 5725 MHz - 5825 MHz Band, 5 MHz, Modulation Type, BPSK, Coding Rate, 1/2. , High Channel 5829 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		8.175	-15.2	-7.025	8	Pass

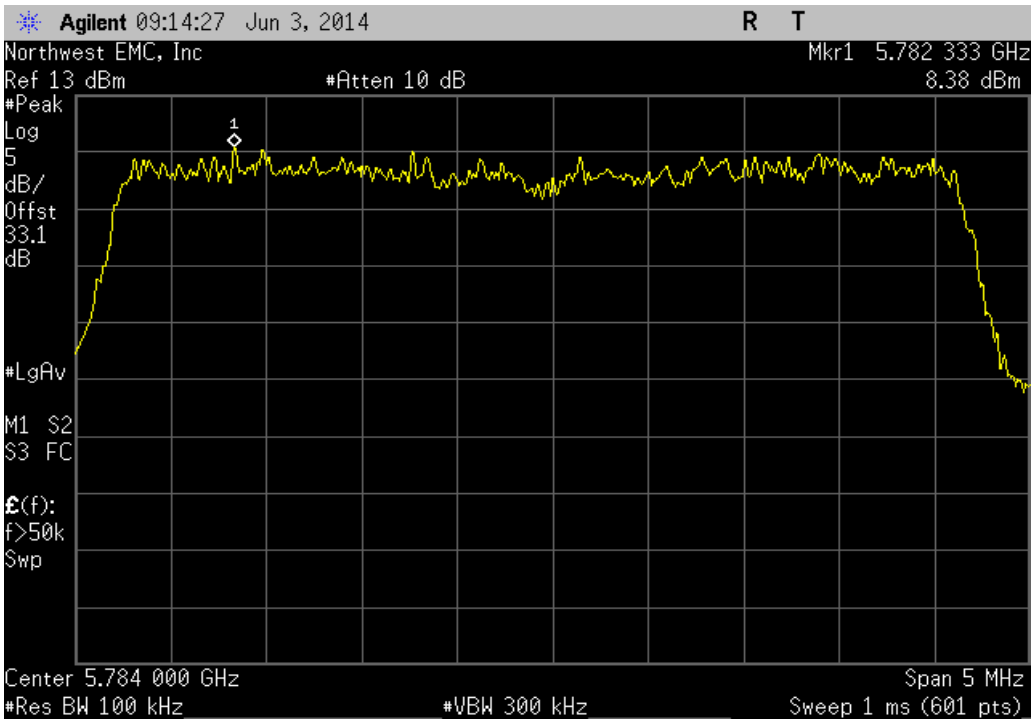


Chain 1, 5725 MHz - 5825 MHz Band, 5 MHz, Modulation Type, 64-QAM, Coding Rate, 5/6., Low Channel 5739 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		9.163	-15.2	-6.037	8	Pass

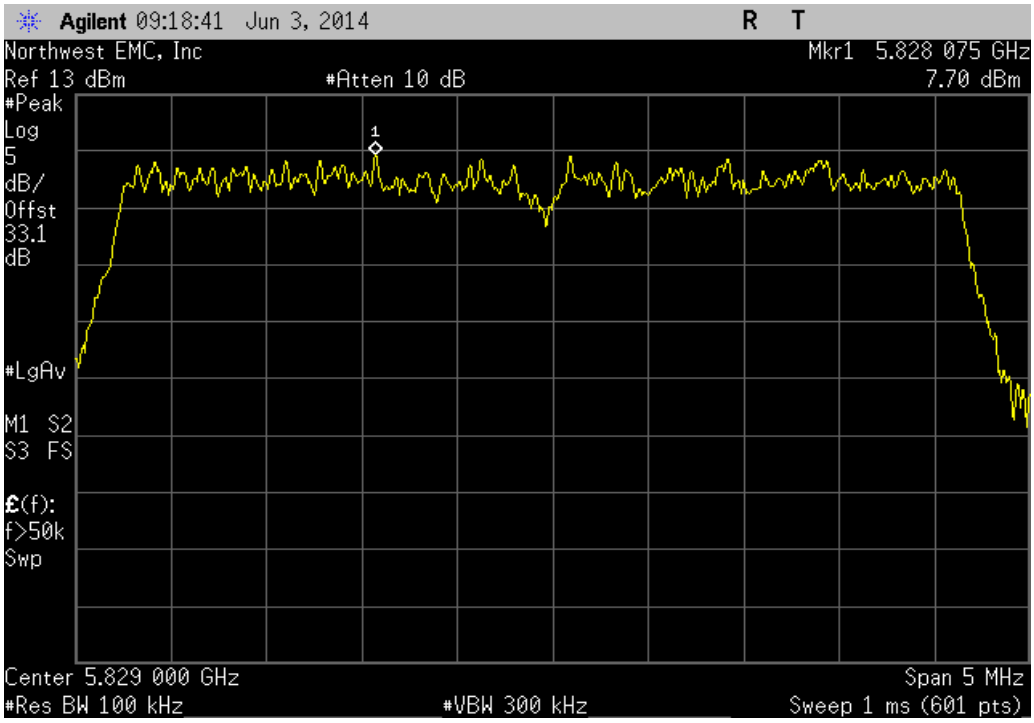


POWER SPECTRAL DENSITY - SISO

Chain 1, 5725 MHz - 5825 MHz Band, 5 MHz, Modulation Type, 64-QAM, Coding Rate, 5/6., Mid Channel 5784 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		8.377	-15.2	-6.823	8	Pass

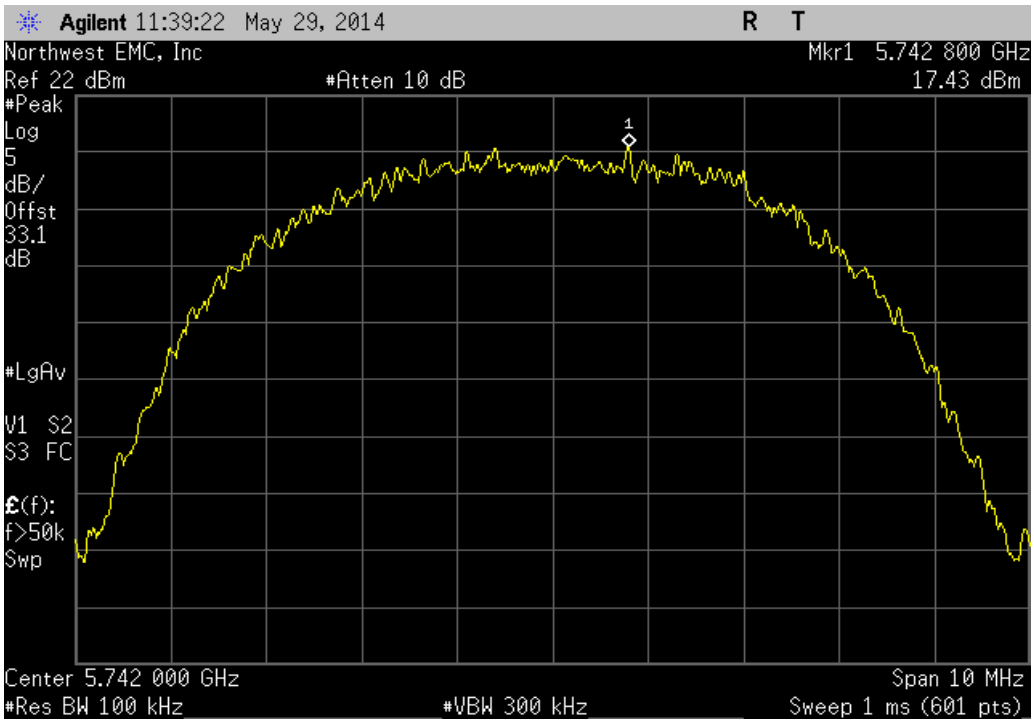


Chain 1, 5725 MHz - 5825 MHz Band, 5 MHz, Modulation Type, 64-QAM, Coding Rate, 5/6., High Channel 5829 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		7.704	-15.2	-7.496	8	Pass

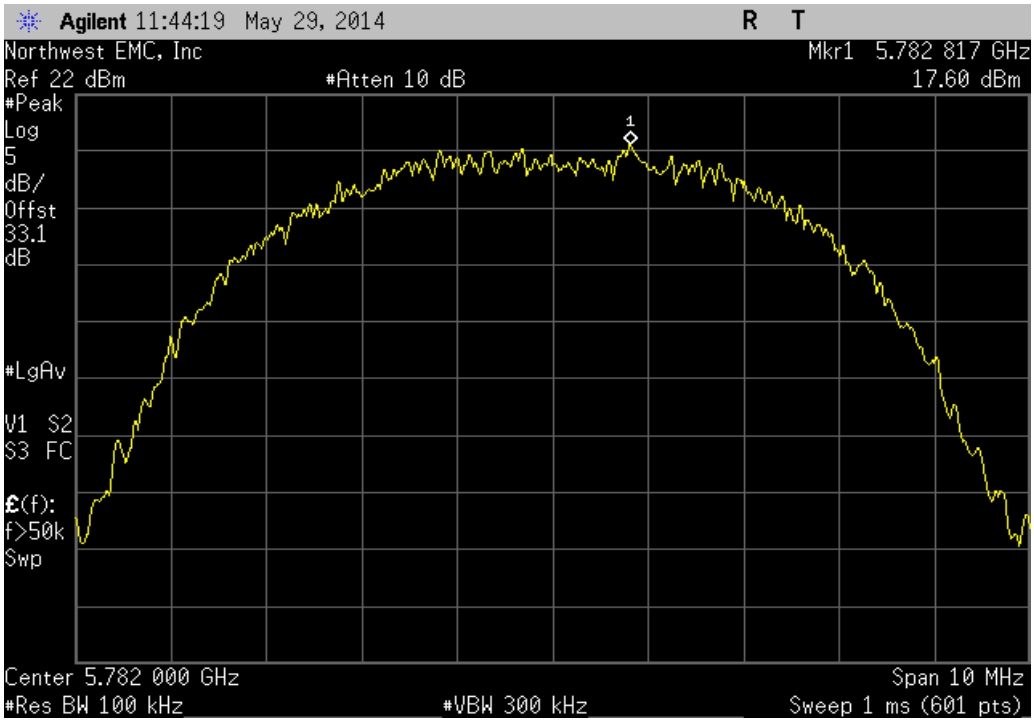


POWER SPECTRAL DENSITY - SISO

Chain 1, 5725 MHz - 5825 MHz Band, 10 MHz, Modulation Type, BPSK, Coding Rate, 1/2, Low Channel 5742 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		17.426	-15.2	2.226	8	Pass

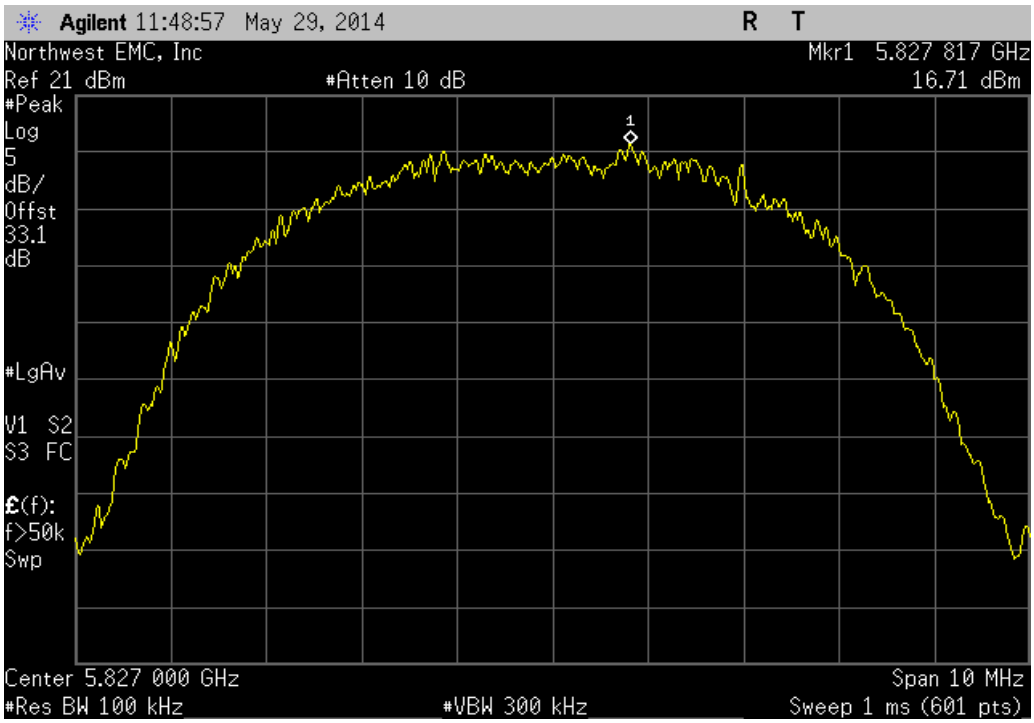


Chain 1, 5725 MHz - 5825 MHz Band, 10 MHz, Modulation Type, BPSK, Coding Rate, 1/2, Mid Channel 5782 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		17.599	-15.2	2.399	8	Pass

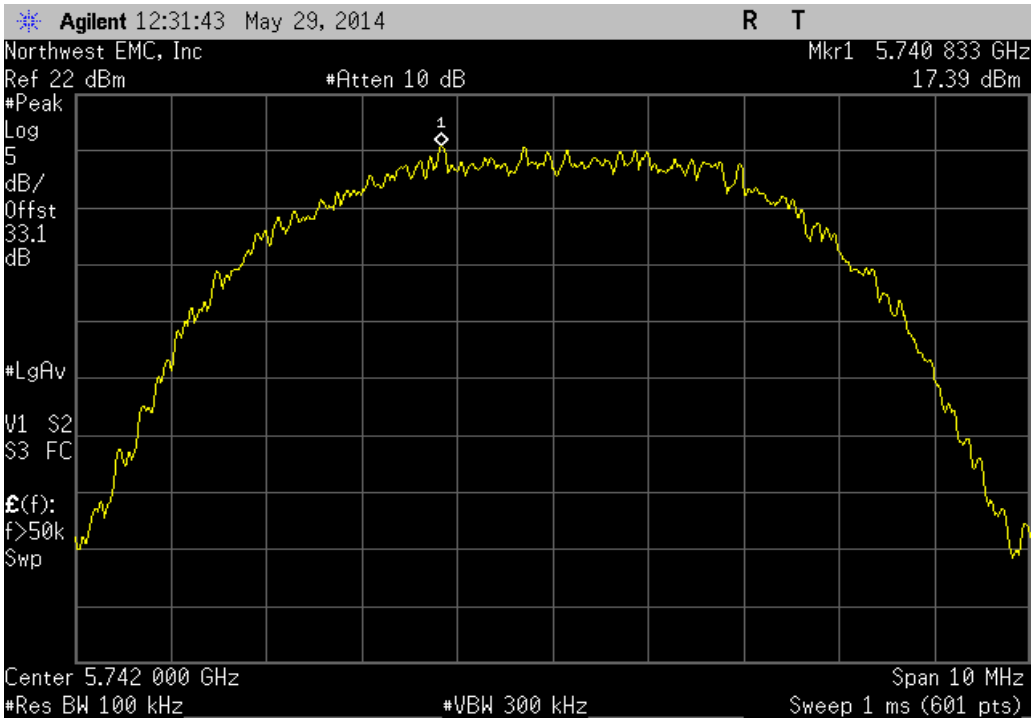


POWER SPECTRAL DENSITY - SISO

Chain 1, 5725 MHz - 5825 MHz Band, 10 MHz, Modulation Type, BPSK, Coding Rate, 1/2, High Channel 5827 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		16.707	-15.2	1.507	8	Pass

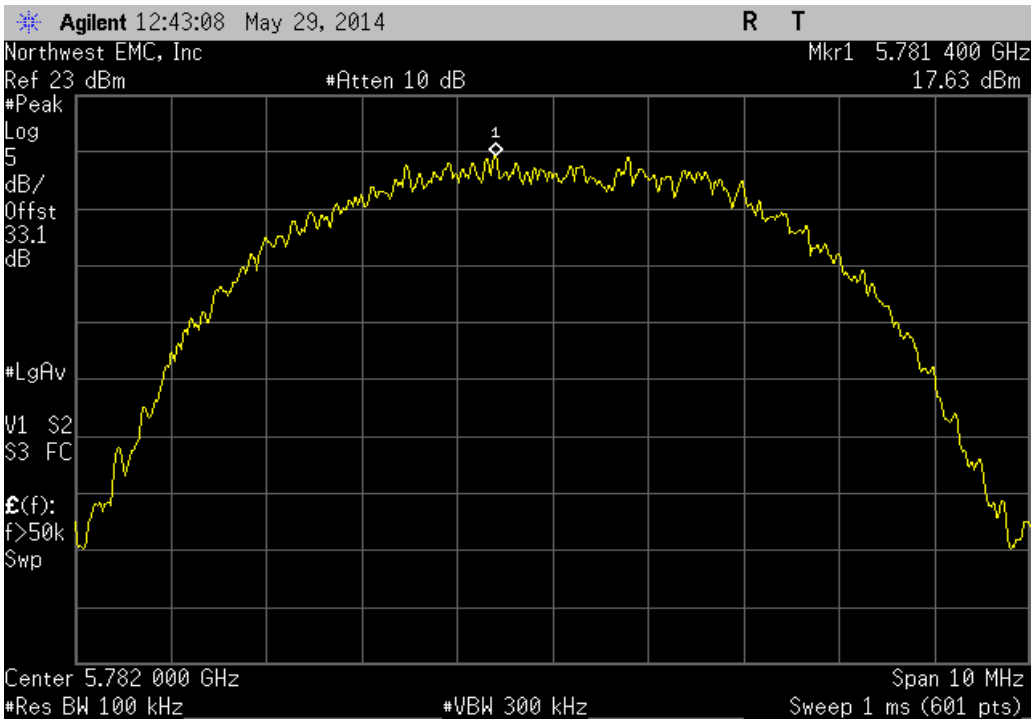


Chain 1, 5725 MHz - 5825 MHz Band, 10 MHz, Modulation Type, 16-QAM, Coding Rate, 3/4., Low Channel 5742 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		17.386	-15.2	2.186	8	Pass

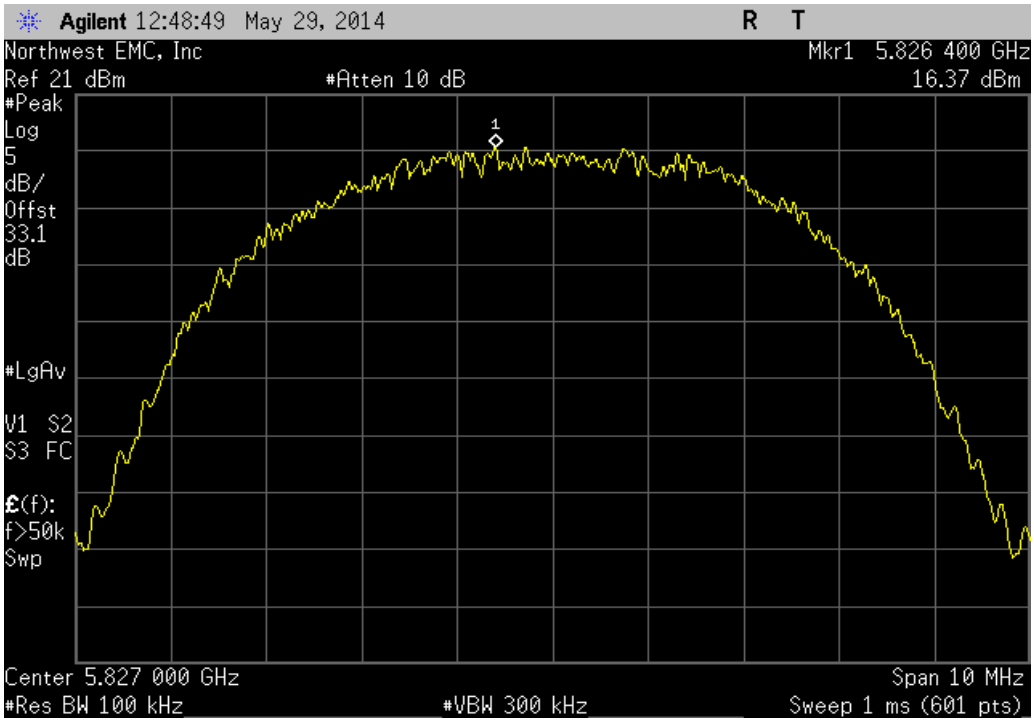


POWER SPECTRAL DENSITY - SISO

Chain 1, 5725 MHz - 5825 MHz Band, 10 MHz, Modulation Type, 16-QAM, Coding Rate, 3/4., Mid Channel 5782 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		17.629	-15.2	2.429	8	Pass

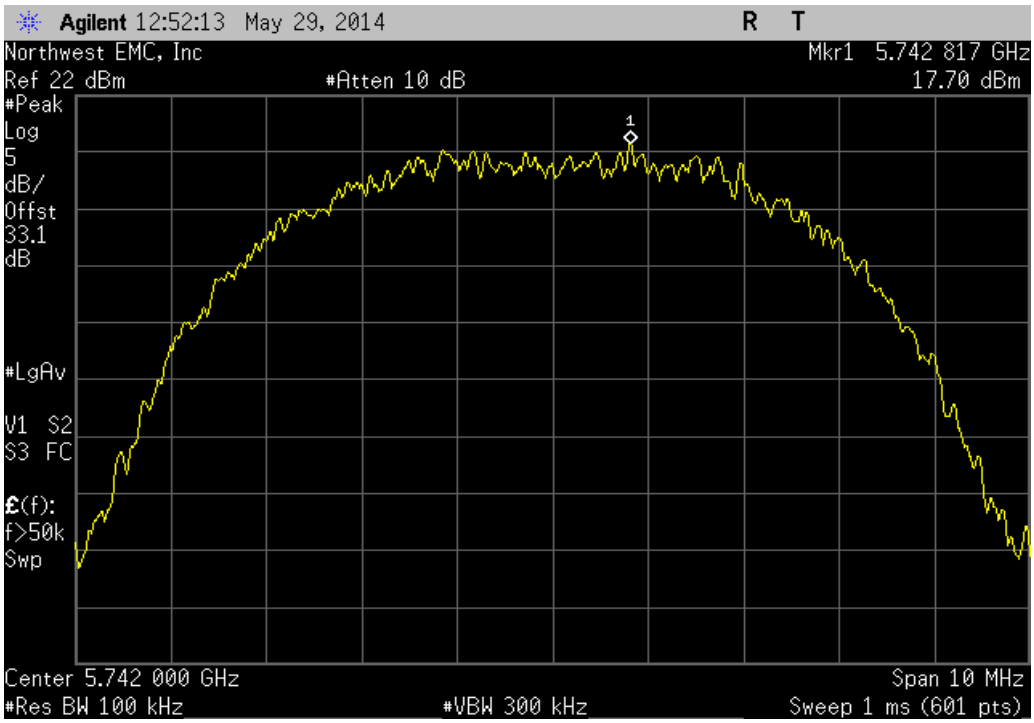


Chain 1, 5725 MHz - 5825 MHz Band, 10 MHz, Modulation Type, 16-QAM, Coding Rate, 3/4., High Channel 5827 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		16.366	-15.2	1.166	8	Pass

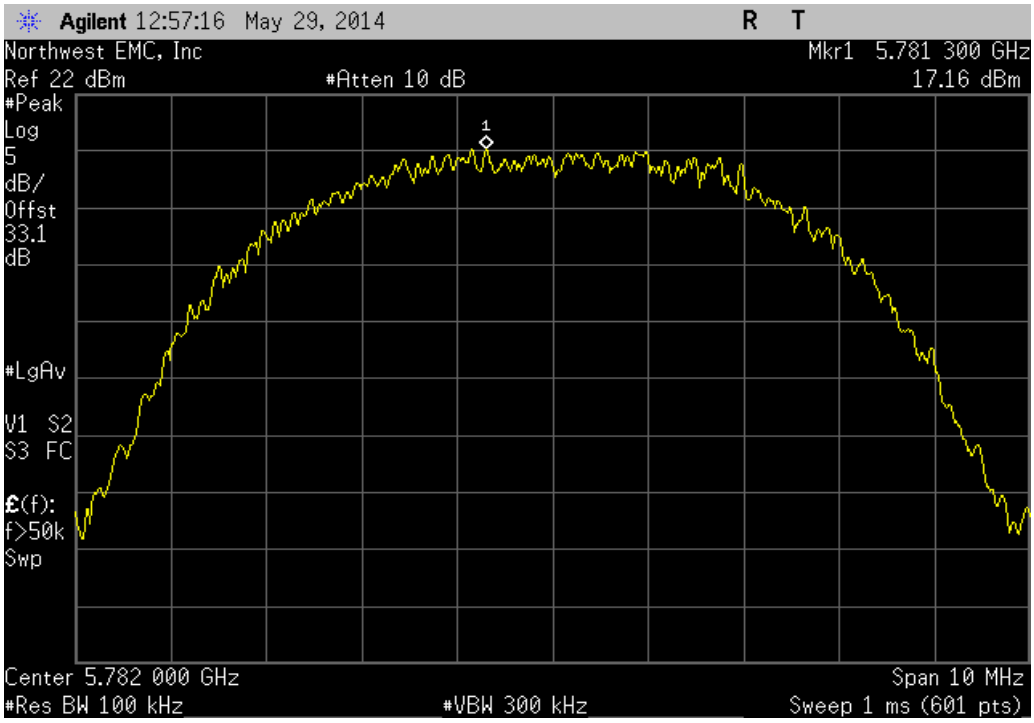


POWER SPECTRAL DENSITY - SISO

Chain 1, 5725 MHz - 5825 MHz Band, 10 MHz, Modulation Type, 64-QAM, Coding Rate, 3/4., Low Channel 5742 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		17.705	-15.2	2.505	8	Pass

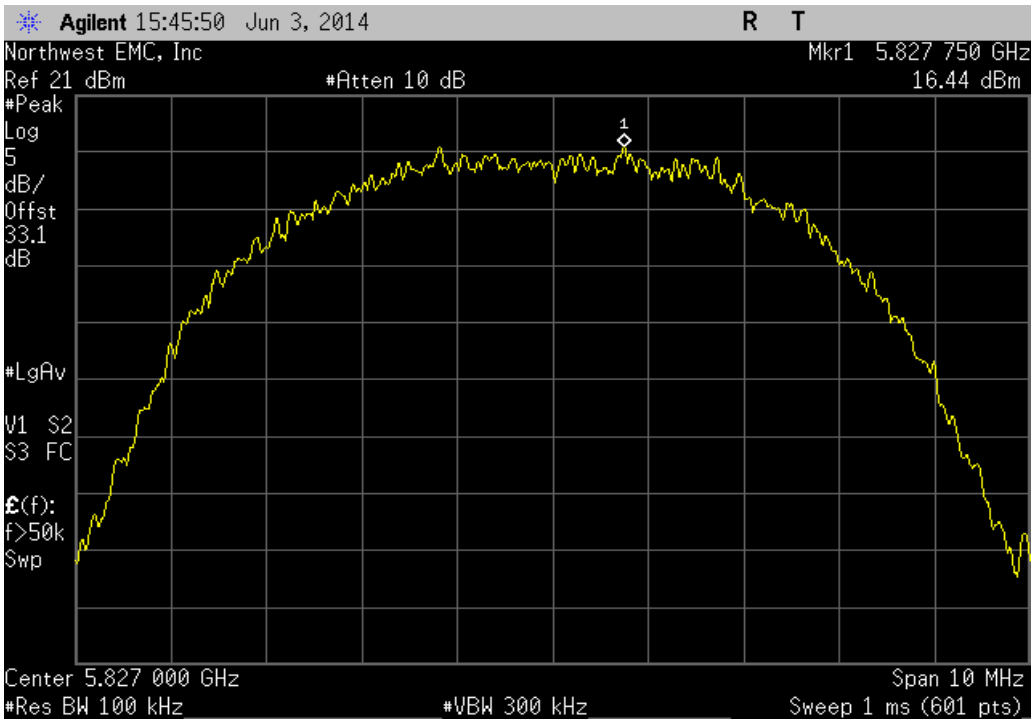


Chain 1, 5725 MHz - 5825 MHz Band, 10 MHz, Modulation Type, 64-QAM, Coding Rate, 3/4., Mid Channel 5782 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		17.16	-15.2	1.96	8	Pass

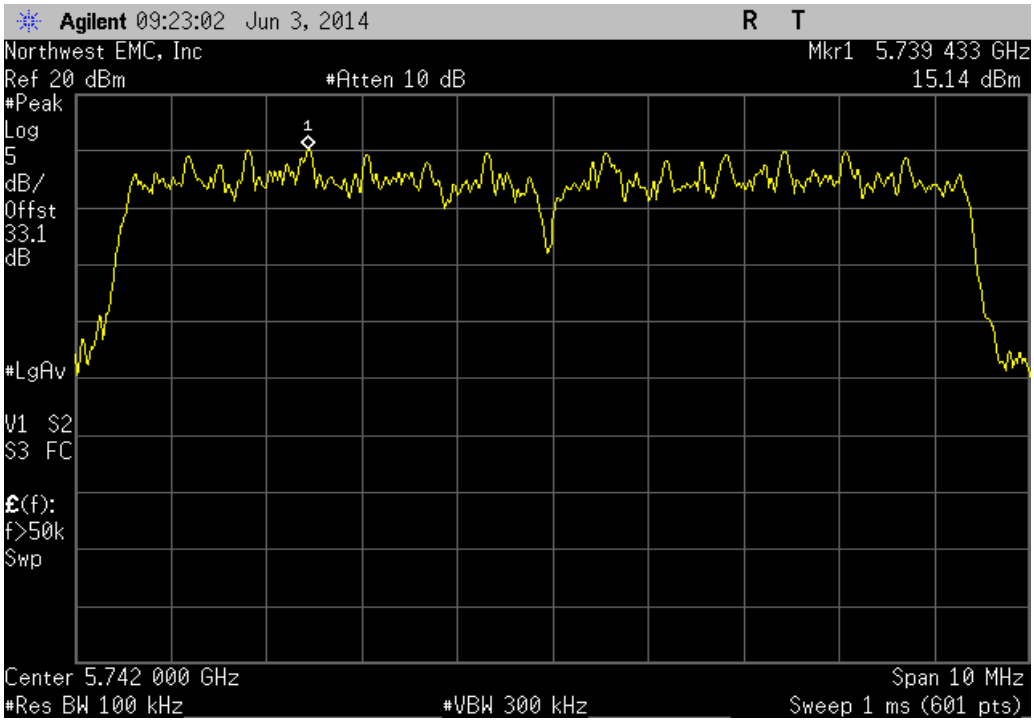


POWER SPECTRAL DENSITY - SISO

Chain 1, 5725 MHz - 5825 MHz Band, 10 MHz, Modulation Type, 64-QAM, Coding Rate, 3/4., High Channel 5827 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		16.438	-15.2	1.238	8	Pass

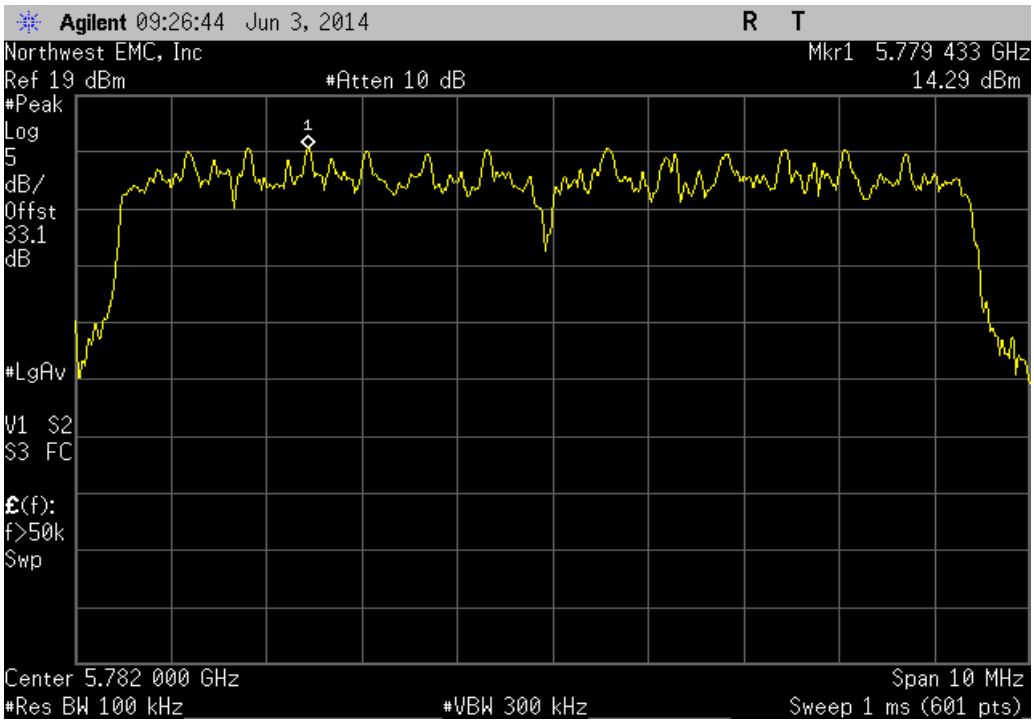


Chain 1, 5725 MHz - 5825 MHz Band, 10 MHz, Modulation Type, BPSK, Coding Rate, 1/2. , Low Channel 5742 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		15.137	-15.2	-0.063	8	Pass

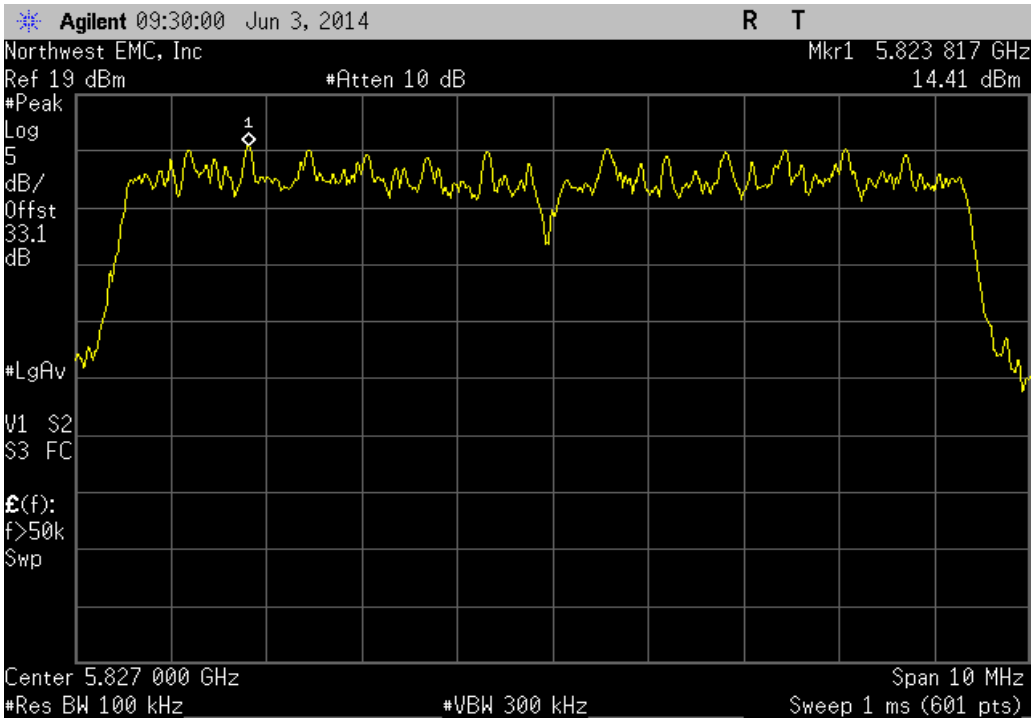


POWER SPECTRAL DENSITY - SISO

Chain 1, 5725 MHz - 5825 MHz Band, 10 MHz, Modulation Type, BPSK, Coding Rate, 1/2. , Mid Channel 5782 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		14.286	-15.2	-0.914	8	Pass

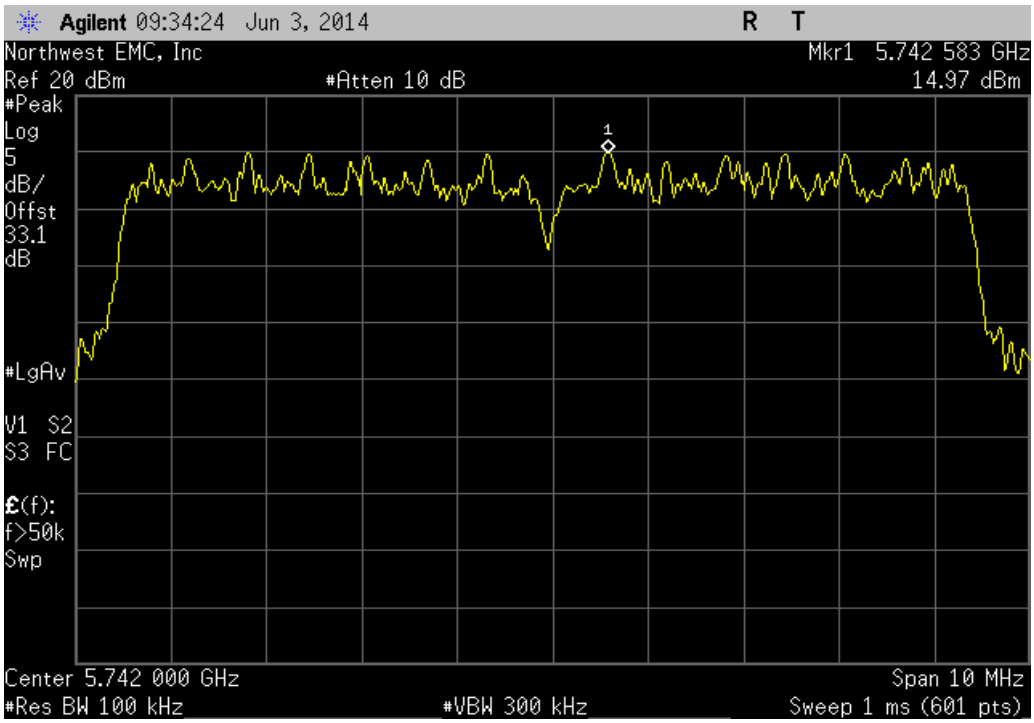


Chain 1, 5725 MHz - 5825 MHz Band, 10 MHz, Modulation Type, BPSK, Coding Rate, 1/2. , High Channel 5827 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		14.412	-15.2	-0.788	8	Pass

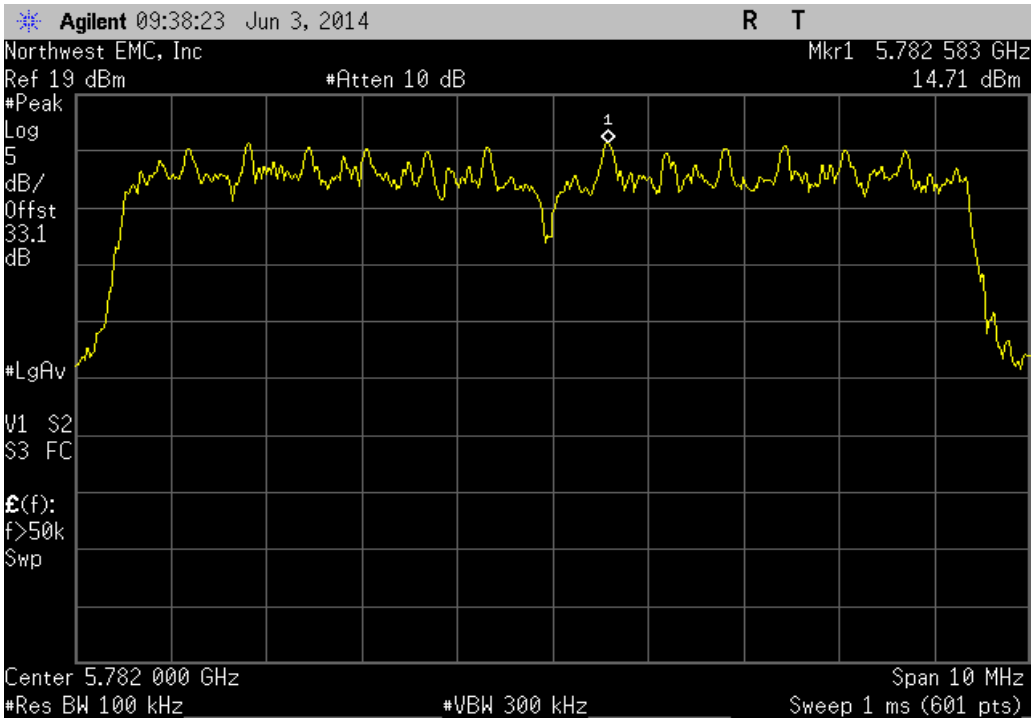


POWER SPECTRAL DENSITY - SISO

Chain 1, 5725 MHz - 5825 MHz Band, 10 MHz, Modulation Type, 64-QAM, Coding Rate, 5/6., Low Channel 5742 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		14.969	-15.2	-0.231	8	Pass

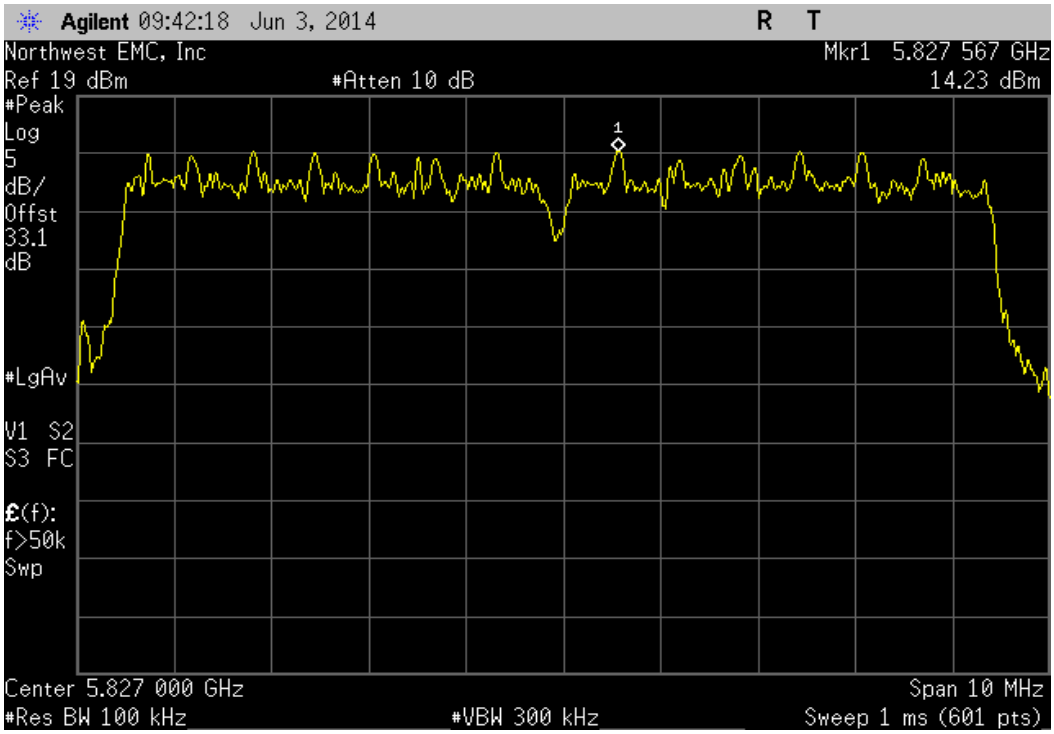


Chain 1, 5725 MHz - 5825 MHz Band, 10 MHz, Modulation Type, 64-QAM, Coding Rate, 5/6., Mid Channel 5782 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		14.706	-15.2	-0.494	8	Pass



POWER SPECTRAL DENSITY - SISO

Chain 1, 5725 MHz - 5825 MHz Band, 10 MHz, Modulation Type, 64-QAM, Coding Rate, 5/6., High Channel 5827 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		14.232	-15.2	-0.968	8	Pass



POWER SPECTRAL DENSITY - 2x2 MIMO

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)
40GHz DC Block	Miteq	DCB4000	AMD	4/28/2014	12
Attenuator 20 dB, SMA M/F 26GHz	S.M. Electronics	SA26B-20	AUY	7/30/2013	12
EV06 Direct Connect Cable	ESM Cable Corp.	TT	ECA	NCR	0
Attenuator 6 dB, SMA M/F 26GHz	S.M. Electronics	SA26B-6	AUX	7/30/2013	12
Power Meter	Agilent	N1913A	SQR	4/29/2013	36
Power Sensor	Agilent	E9300H	SQO	4/29/2013	36
Spectrum Analyzer	Agilent	E4446A	AAQ	1/21/2014	24
MXG MW Analog Signal Generator 40 Gig	Agilent	N5183A	TID	9/19/2011	36

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 - 2x2 MIMO

EUT:	WavePoint - 5GHz Radio (W5800-01)	Work Order:	FREW0028
Serial Number:	00:07:E7:A0:01:F1	Date:	06/03/14
Customer:	FreeWave Technologies, Inc.	Temperature:	22.6°C
Attendees:	Dean Busch	Humidity:	43%
Project:	None	Barometric Pres.:	1018.7
Tested by:	Brandon Hobbs, Jared Ison	Power: 110VAC/60Hz	Job Site: EV06

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

COMMENTS

An additional 10dB 5watt attenuater was used inline for all measurements made while under test. Please reference the power table for power settings used while under test.

DEVIATIONS FROM TEST STANDARD

Configuration #	1	Signature

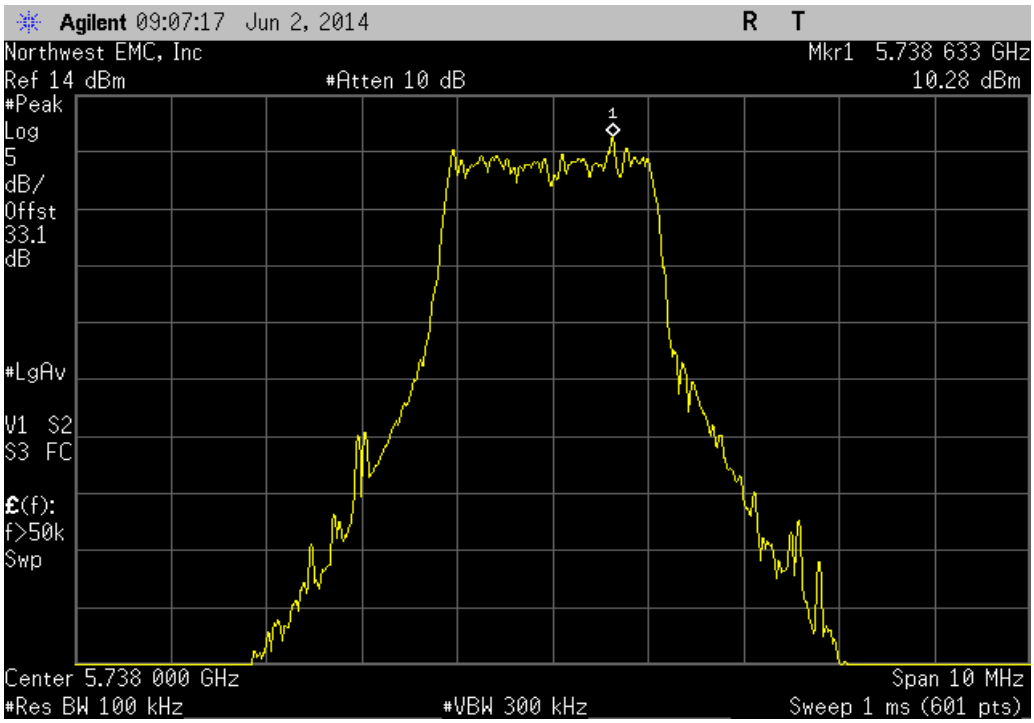
	Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
Chain 1					
5725 MHz - 5850 MHz Band					
2.5 MHz					
2x2 Modulation Type, BPSK, Coding Rate, 1/2.					
Low Channel 5738 MHz	10.282	-15.2	-4.918	8	Pass
Mid Channel 5783 MHz	9.941	-15.2	-5.259	8	Pass
High Channel 5831 MHz	8.969	-15.2	-6.231	8	Pass
2x2 Modulation Type, 64-QAM, Coding Rate, 5/6.					
Low Channel 5738 MHz	10.608	-15.2	-4.592	8	Pass
Mid Channel 5783 MHz	10.583	-15.2	-4.617	8	Pass
High Channel 5831 MHz	10.258	-15.2	-4.942	8	Pass
5 MHz					
2x2 Modulation Type, BPSK, Coding Rate, 1/2.					
Low Channel 5739 MHz	6.21	-15.2	-8.99	8	Pass
Mid Channel 5784 MHz	5.21	-15.2	-9.99	8	Pass
High Channel 5829 MHz	6.061	-15.2	-9.139	8	Pass
2x2 Modulation Type, 64-QAM, Coding Rate, 5/6.					
Low Channel 5739 MHz	4.767	-15.2	-10.433	8	Pass
Mid Channel 5784 MHz	3.941	-15.2	-11.259	8	Pass
High Channel 5829 MHz	3.089	-15.2	-12.111	8	Pass
10 MHz					
2x2 Modulation Type, BPSK, Coding Rate, 1/2.					
Low Channel 5742 MHz	10.458	-15.2	-4.742	8	Pass
Mid Channel 5782 MHz	10.235	-15.2	-4.965	8	Pass
High Channel 5827 MHz	9.157	-15.2	-6.043	8	Pass
2x2 Modulation Type, 64-QAM, Coding Rate, 5/6.					
Low Channel 5742 MHz	10.706	-15.2	-4.494	8	Pass
Mid Channel 5782 MHz	10.458	-15.2	-4.742	8	Pass
High Channel 5827 MHz	9.084	-15.2	-6.116	8	Pass
Chain 2					
5725 MHz - 5850 MHz Band					
2.5 MHz					
2x2 Modulation Type, BPSK, Coding Rate, 1/2.					
Low Channel 5738 MHz	10.407	-15.2	-4.793	8	Pass
Mid Channel 5783 MHz	8.857	-15.2	-6.343	8	Pass
High Channel 5831 MHz	8.124	-15.2	-7.076	8	Pass
2x2 Modulation Type, 64-QAM, Coding Rate, 5/6.					
Low Channel 5738 MHz	9.731	-15.2	-5.469	8	Pass
Mid Channel 5783 MHz	9.664	-15.2	-5.536	8	Pass
High Channel 5831 MHz	8.013	-15.2	-7.187	8	Pass
5 MHz					
2x2 Modulation Type, BPSK, Coding Rate, 1/2.					
Low Channel 5739 MHz	5.917	-15.2	-9.283	8	Pass
Mid Channel 5784 MHz	5.66	-15.2	-9.54	8	Pass
High Channel 5829 MHz	5.698	-15.2	-9.502	8	Pass
2x2 Modulation Type, 64-QAM, Coding Rate, 5/6.					
Low Channel 5739 MHz	6.229	-15.2	-8.971	8	Pass
Mid Channel 5784 MHz	5.161	-15.2	-10.039	8	Pass
High Channel 5829 MHz	3.824	-15.2	-11.376	8	Pass
10 MHz					
2x2 Modulation Type, BPSK, Coding Rate, 1/2.					
Low Channel 5742 MHz	11.369	-15.2	-3.831	8	Pass
Mid Channel 5782 MHz	10.658	-15.2	-4.542	8	Pass
High Channel 5827 MHz	9.201	-15.2	-5.999	8	Pass
2x2 Modulation Type, 64-QAM, Coding Rate, 5/6.					
Low Channel 5742 MHz	11.043	-15.2	-4.157	8	Pass
Mid Channel 5782 MHz	10.57	-15.2	-4.63	8	Pass
High Channel 5827 MHz	9.158	-15.2	-6.042	8	Pass

	Value (dBm/MHz)	Summing Factor (dBm)	dBm/100kHz To dBm/3kHz	Summed Power (dBm/MHz)	Limit (dBm/MHz)	Results
Chain 1						
2400 MHz - 2483.5 MHz Band						
2.5MHz Bandwidth						
2x2 Modulation Type, BPSK, Coding Rate, 1/2.						
Low Channel 5738 MHz	10.282	3	-15.2	-1.918	8	Pass
Mid Channel 5783 MHz	9.941	3	-15.2	-2.259	8	Pass
High Channel 5831 MHz	8.969	3	-15.2	-3.231	8	Pass
2x2 Modulation Type, 64-QAM, Coding Rate, 5/6.						
Low Channel 5738 MHz	10.608	3	-15.2	-1.592	8	Pass
Mid Channel 5783 MHz	10.583	3	-15.2	-1.617	8	Pass
High Channel 5831 MHz	10.258	3	-15.2	-1.942	8	Pass

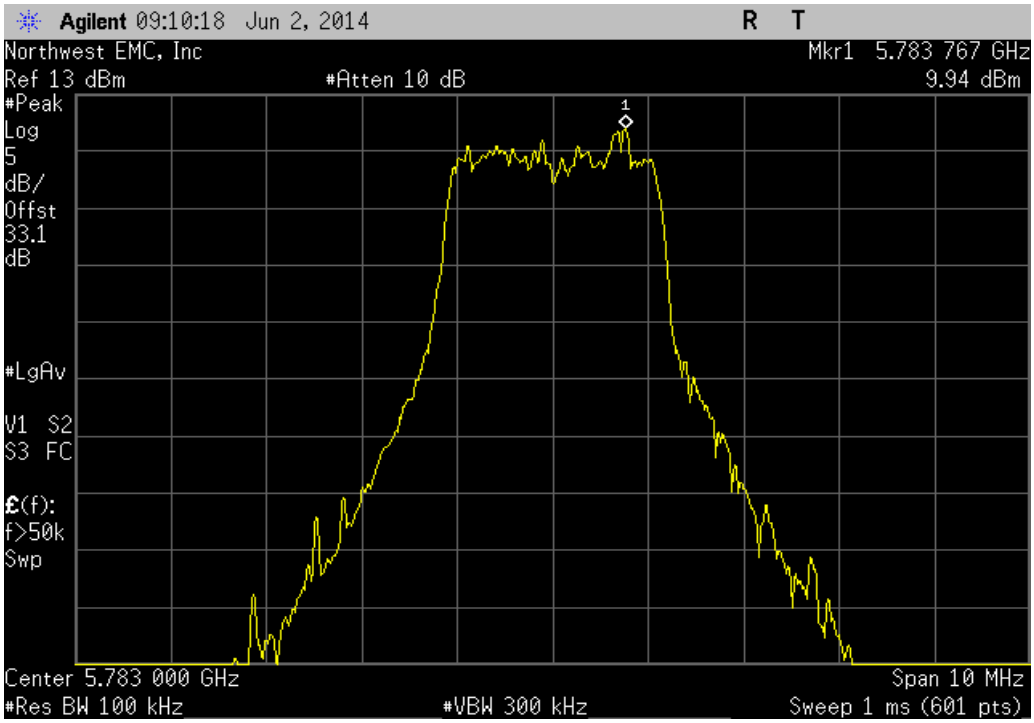
5MHz Bandwidth							
2x2 Modulation Type, BPSK, Coding Rate, 1/2.							
Low Channel 5739 MHz	6.21	3	-15.2	-5.99	8	Pass
Mid Channel 5784 MHz	5.21	3	-15.2	-6.99	8	Pass
High Channel 5829 MHz	6.061	3	-15.2	-6.139	8	Pass
2x2 Modulation Type, 64-QAM, Coding Rate, 5/6.						
Low Channel 5739 MHz	4.767	3	-15.2	-7.433	8	Pass
Mid Channel 5784 MHz	3.941	3	-15.2	-8.259	8	Pass
High Channel 5829 MHz	3.089	3	-15.2	-9.111	8	Pass
10MHz Bandwidth						
2x2 Modulation Type, BPSK, Coding Rate, 1/2.						
Low Channel 5742 MHz	10.458	3	-15.2	-1.742	8	Pass
Mid Channel 5782 MHz	10.235	3	-15.2	-1.965	8	Pass
High Channel 5827 MHz	9.157	3	-15.2	-3.043	8	Pass
2x2 Modulation Type, 64-QAM, Coding Rate, 5/6.						
Low Channel 5742 MHz	10.706	3	-15.2	-1.494	8	Pass
Mid Channel 5782 MHz	10.458	3	-15.2	-1.742	8	Pass
High Channel 5827 MHz	9.084	3	-15.2	-3.116	8	Pass
Chain 2						
2400 MHz - 2483.5 MHz Band						
2.5MHz Bandwidth	Value (dBm/MHz)	Summing Factor (dBm)	dBm/100kHz To dBm/3kHz	Summed Power (dBm/MHz)	Limit (dBm/MHz)	Results
2x2 Modulation Type, BPSK, Coding Rate, 1/2.						
Low Channel 5738 MHz	10.407	3	-15.2	-1.793	8	Pass
Mid Channel 5783 MHz	8.857	3	-15.2	-3.343	8	Pass
High Channel 5831 MHz	8.124	3	-15.2	-4.076	8	Pass
2x2 Modulation Type, 64-QAM, Coding Rate, 5/6.						
Low Channel 5738 MHz	9.731	3	-15.2	-2.469	8	Pass
Mid Channel 5783 MHz	9.664	3	-15.2	-2.536	8	Pass
High Channel 5831 MHz	8.013	3	-15.2	-4.187	8	Pass
5MHz Bandwidth						
2x2 Modulation Type, BPSK, Coding Rate, 1/2.						
Low Channel 5739 MHz	5.917	3	-15.2	-6.283	8	Pass
Mid Channel 5784 MHz	5.66	3	-15.2	-6.54	8	Pass
High Channel 5829 MHz	5.698	3	-15.2	-6.502	8	Pass
2x2 Modulation Type, 64-QAM, Coding Rate, 5/6.						
Low Channel 5739 MHz	6.229	3	-15.2	-5.971	8	Pass
Mid Channel 5784 MHz	5.161	3	-15.2	-7.039	8	Pass
High Channel 5829 MHz	3.824	3	-15.2	-8.376	8	Pass
10MHz Bandwidth						
2x2 Modulation Type, BPSK, Coding Rate, 1/2.						
Low Channel 5742 MHz	11.369	3	-15.2	-0.831	8	Pass
Mid Channel 5782 MHz	10.658	3	-15.2	-1.542	8	Pass
High Channel 5827 MHz	9.201	3	-15.2	-2.999	8	Pass
2x2 Modulation Type, 64-QAM, Coding Rate, 5/6.						
Low Channel 5742 MHz	11.043	3	-15.2	-1.157	8	Pass
Mid Channel 5782 MHz	10.57	3	-15.2	-1.63	8	Pass
High Channel 5827 MHz	9.158	3	-15.2	-3.042	8	Pass

POWER SPECTRAL DENSITY - 2x2 MIMO

Chain 1, 5725 MHz - 5850 MHz Band, 2.5 MHz, 2x2 Modulation Type, BPSK, Coding Rate, 1/2., Low Channel 5738 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		10.282	-15.2	-4.918	8	Pass

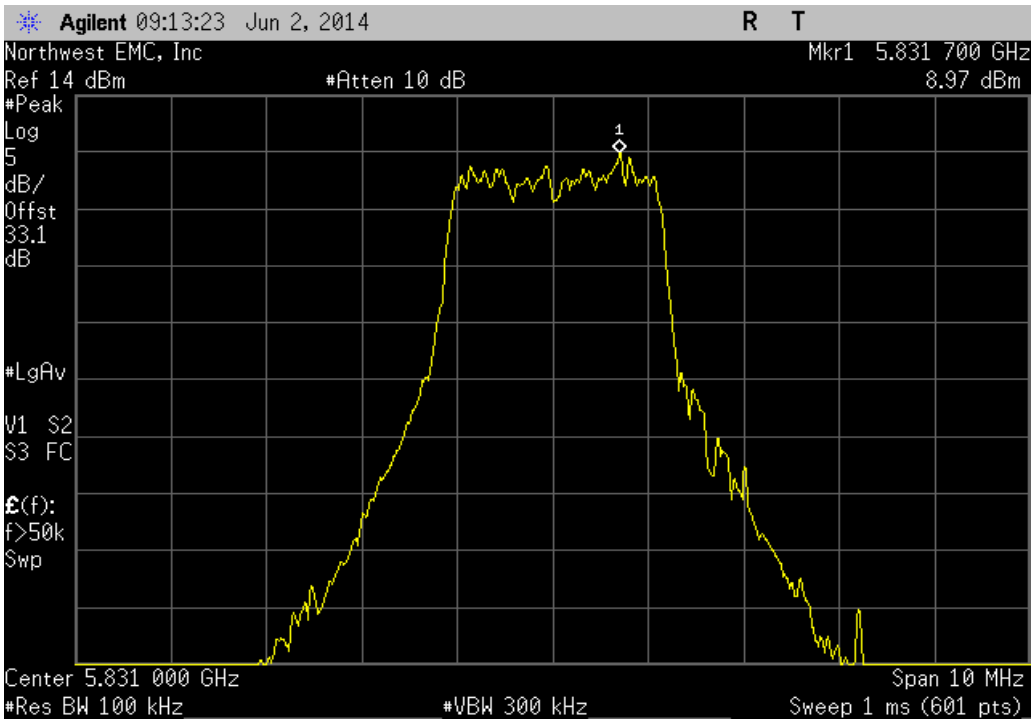


Chain 1, 5725 MHz - 5850 MHz Band, 2.5 MHz, 2x2 Modulation Type, BPSK, Coding Rate, 1/2., Mid Channel 5783 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		9.941	-15.2	-5.259	8	Pass

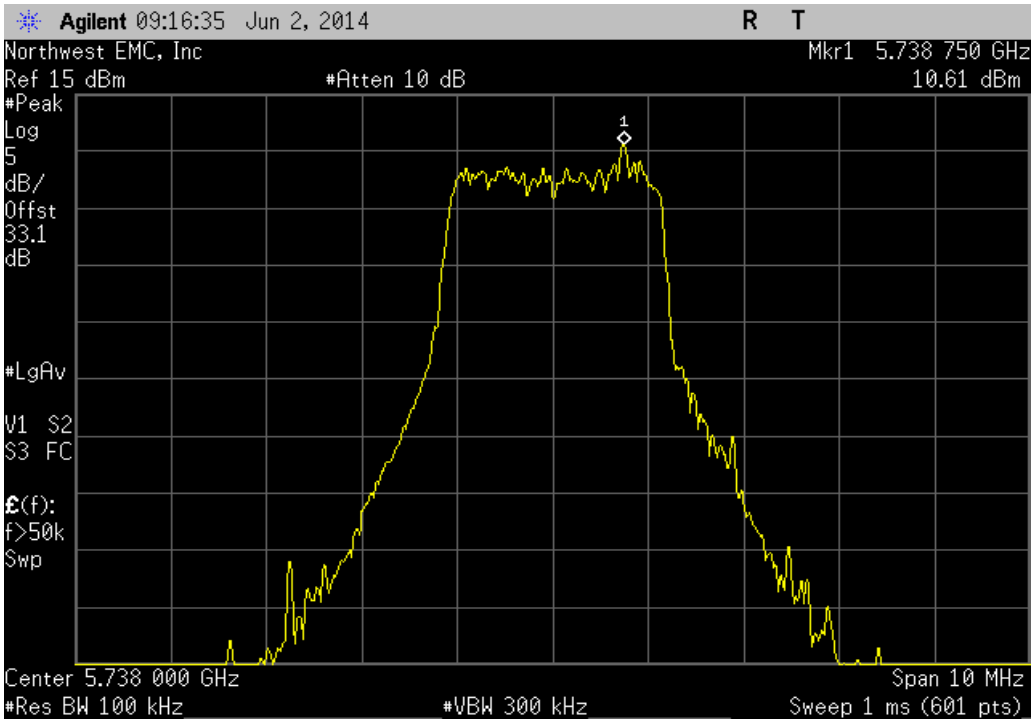


POWER SPECTRAL DENSITY - 2x2 MIMO

Chain 1, 5725 MHz - 5850 MHz Band, 2.5 MHz, 2x2 Modulation Type, BPSK, Coding Rate, 1/2., High Channel 5831 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		8.969	-15.2	-6.231	8	Pass

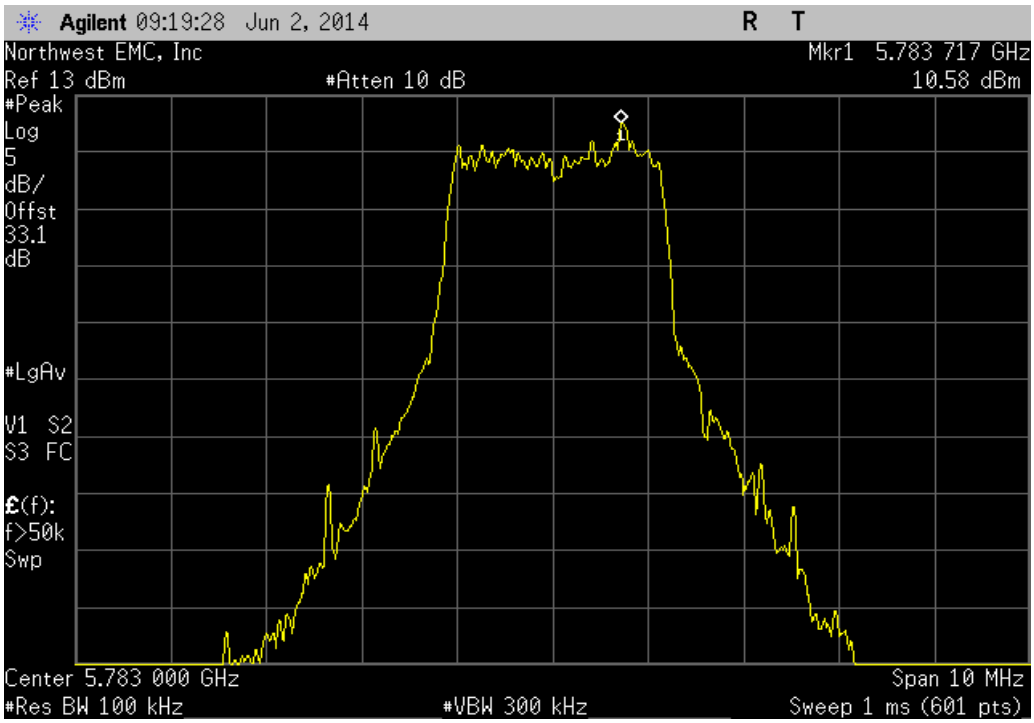


Chain 1, 5725 MHz - 5850 MHz Band, 2.5 MHz, 2x2 Modulation Type, 64-QAM, Coding Rate, 5/6., Low Channel 5738 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		10.608	-15.2	-4.592	8	Pass

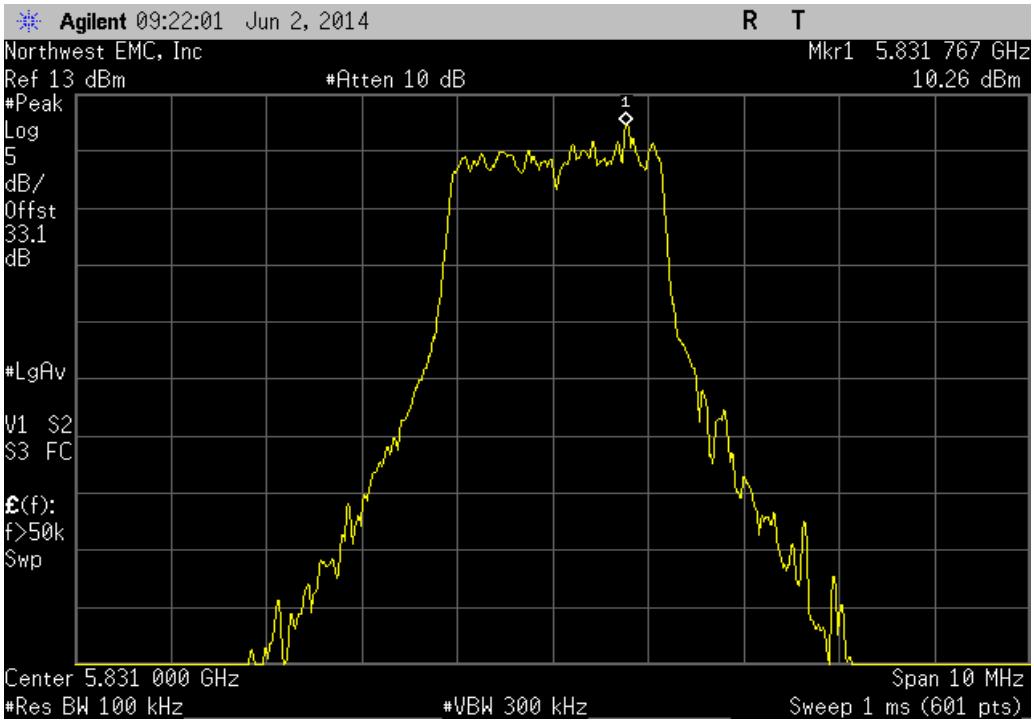


POWER SPECTRAL DENSITY - 2x2 MIMO

Chain 1, 5725 MHz - 5850 MHz Band, 2.5 MHz, 2x2 Modulation Type, 64-QAM, Coding Rate, 5/6., Mid Channel 5783 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		10.583	-15.2	-4.617	8	Pass

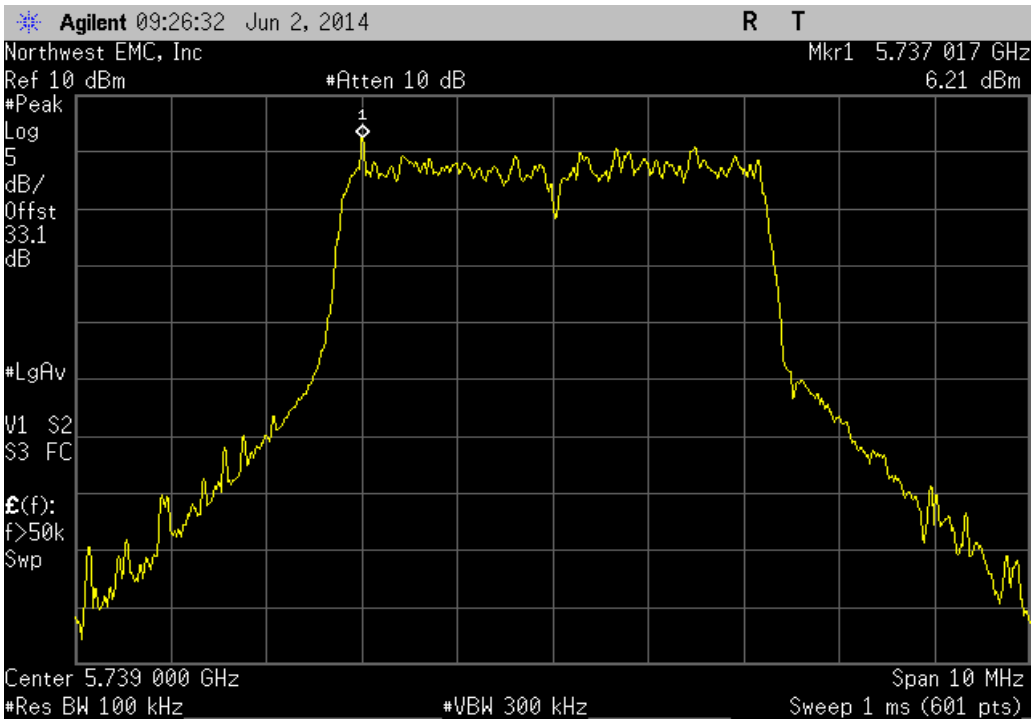


Chain 1, 5725 MHz - 5850 MHz Band, 2.5 MHz, 2x2 Modulation Type, 64-QAM, Coding Rate, 5/6., High Channel 5831 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		10.258	-15.2	-4.942	8	Pass

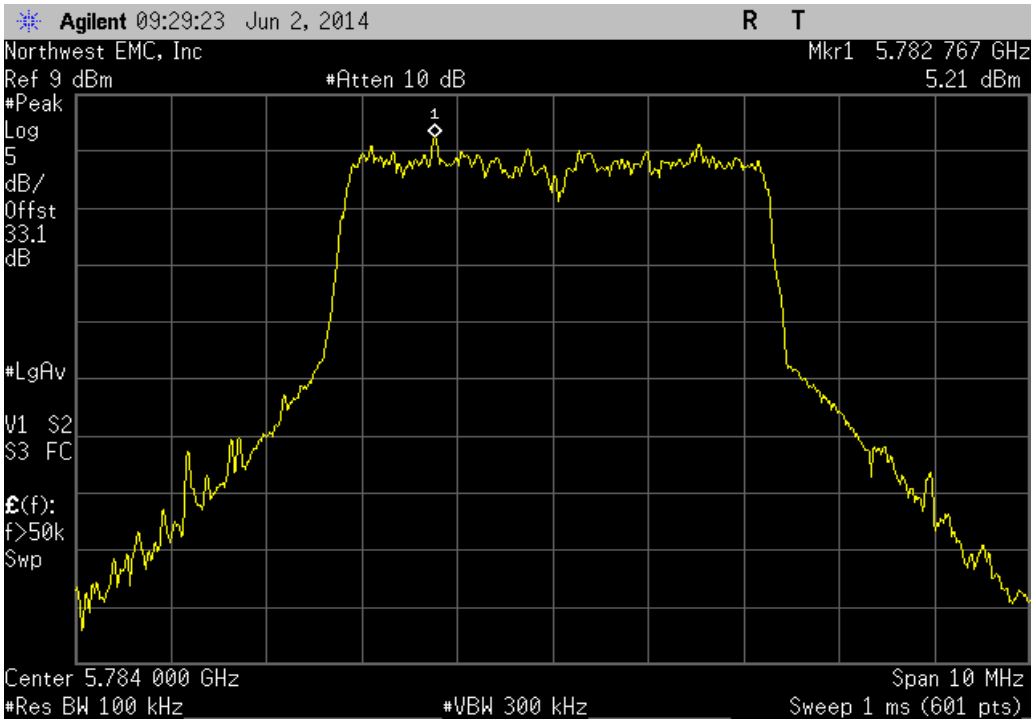


POWER SPECTRAL DENSITY - 2x2 MIMO

Chain 1, 5725 MHz - 5850 MHz Band, 5 MHz, 2x2 Modulation Type, BPSK, Coding Rate, 1/2., Low Channel 5739 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		6.21	-15.2	-8.99	8	Pass

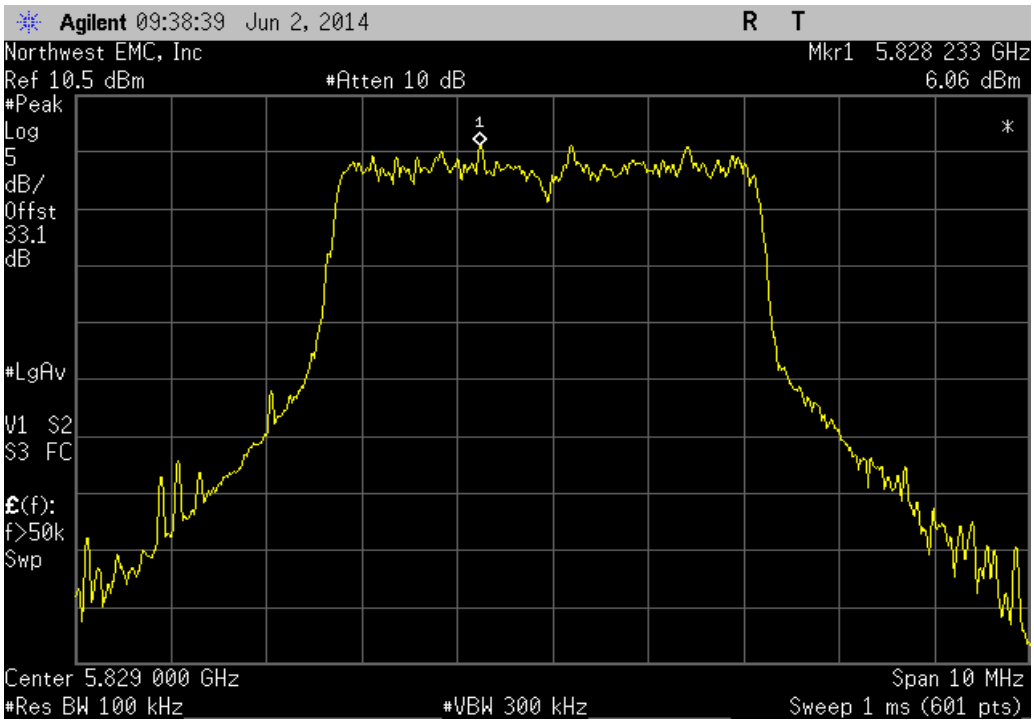


Chain 1, 5725 MHz - 5850 MHz Band, 5 MHz, 2x2 Modulation Type, BPSK, Coding Rate, 1/2., Mid Channel 5784 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		5.21	-15.2	-9.99	8	Pass

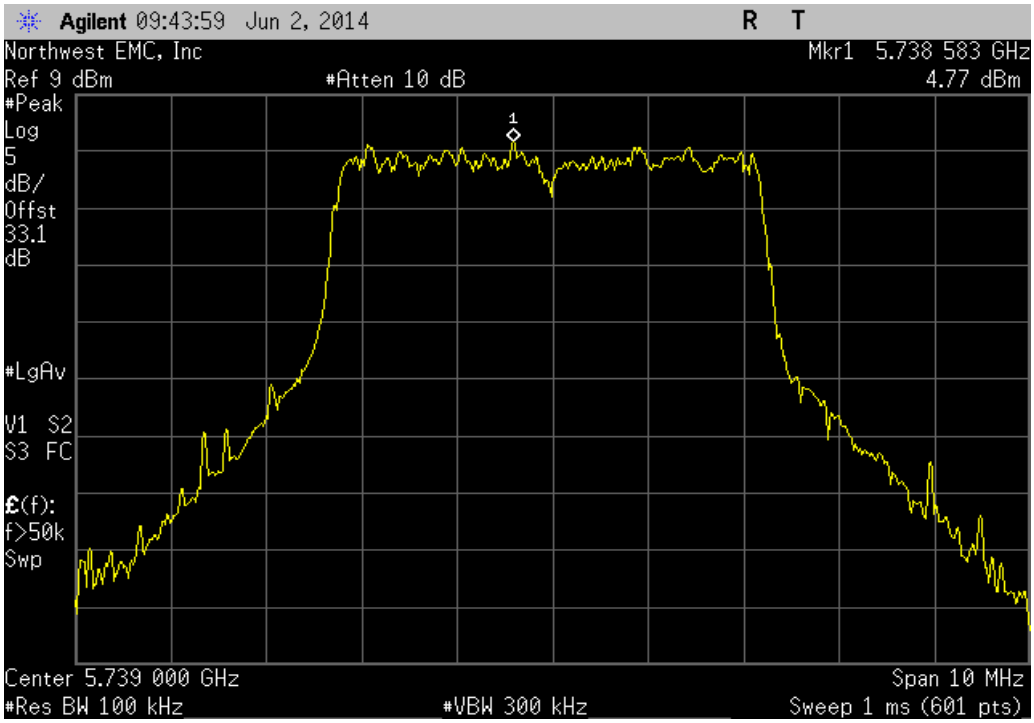


POWER SPECTRAL DENSITY - 2x2 MIMO

Chain 1, 5725 MHz - 5850 MHz Band, 5 MHz, 2x2 Modulation Type, BPSK, Coding Rate, 1/2., High Channel 5829 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		6.061	-15.2	-9.139	8	Pass

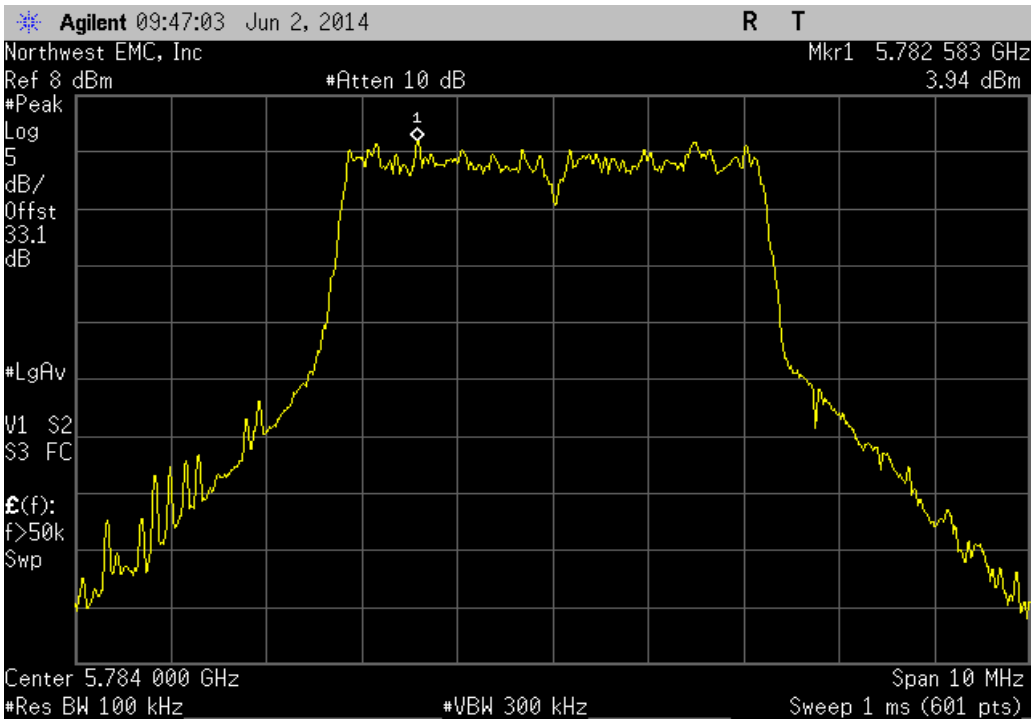


Chain 1, 5725 MHz - 5850 MHz Band, 5 MHz, 2x2 Modulation Type, 64-QAM, Coding Rate, 5/6., Low Channel 5739 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		4.767	-15.2	-10.433	8	Pass

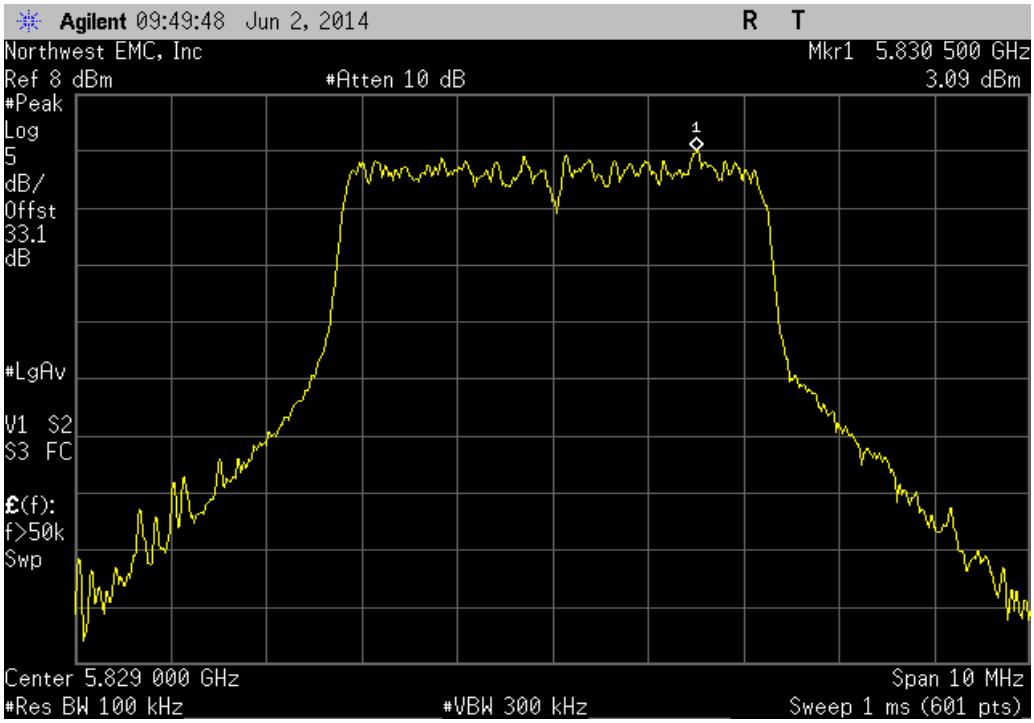


POWER SPECTRAL DENSITY - 2x2 MIMO

Chain 1, 5725 MHz - 5850 MHz Band, 5 MHz, 2x2 Modulation Type, 64-QAM, Coding Rate, 5/6., Mid Channel 5784 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		3.941	-15.2	-11.259	8	Pass

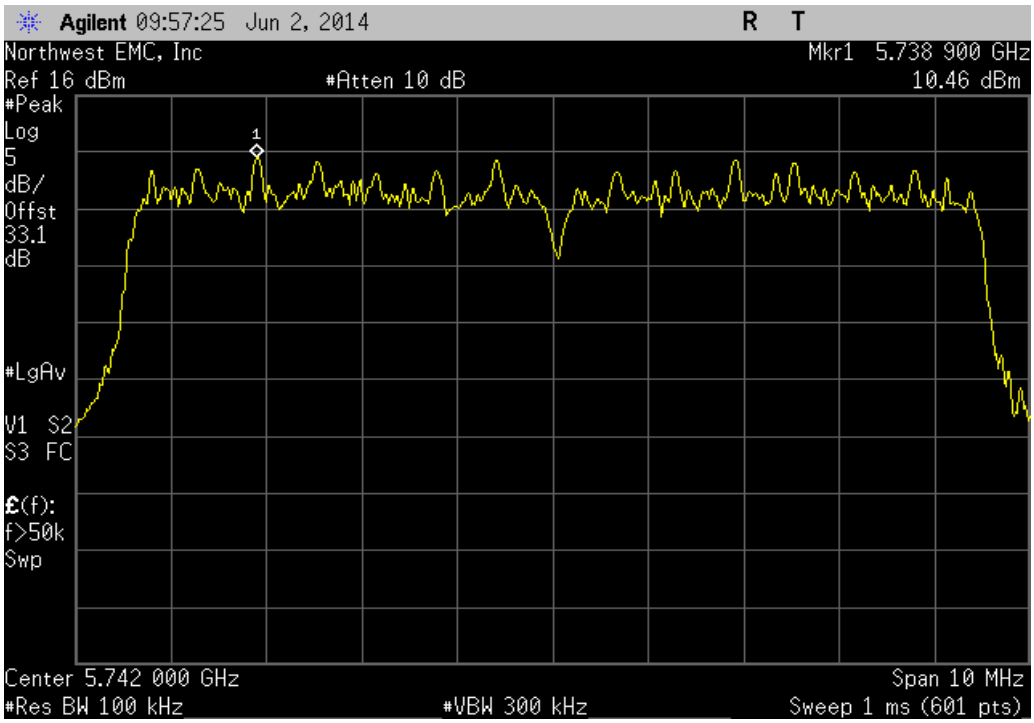


Chain 1, 5725 MHz - 5850 MHz Band, 5 MHz, 2x2 Modulation Type, 64-QAM, Coding Rate, 5/6., High Channel 5829 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		3.089	-15.2	-12.111	8	Pass

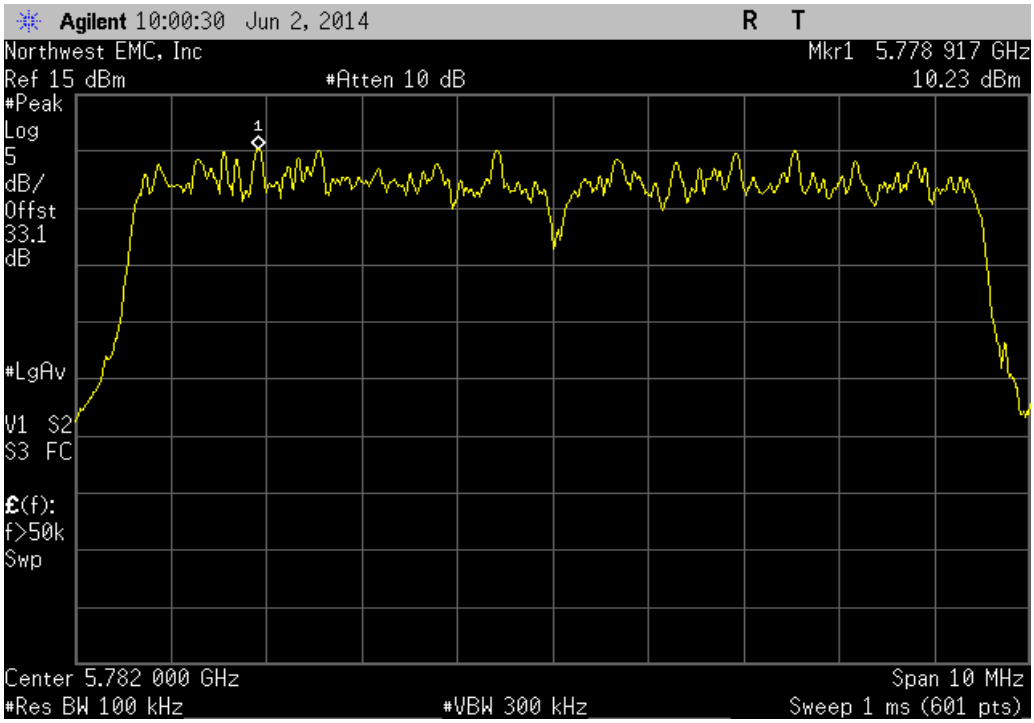


POWER SPECTRAL DENSITY - 2x2 MIMO

Chain 1, 5725 MHz - 5850 MHz Band, 10 MHz, 2x2 Modulation Type, BPSK, Coding Rate, 1/2., Low Channel 5742 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		10.458	-15.2	-4.742	8	Pass

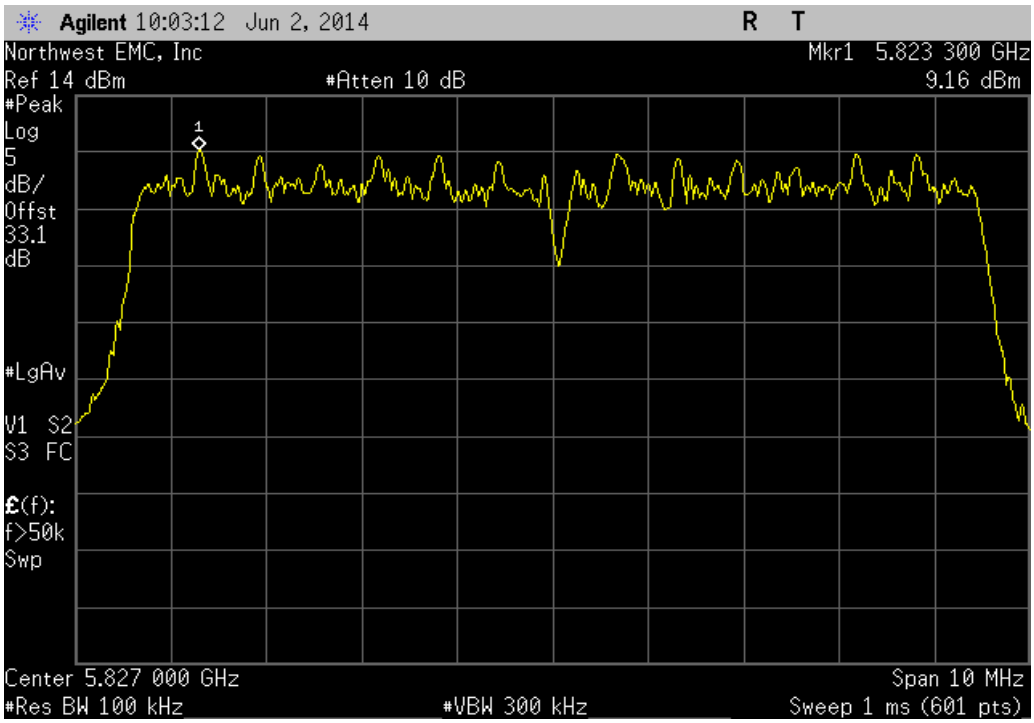


Chain 1, 5725 MHz - 5850 MHz Band, 10 MHz, 2x2 Modulation Type, BPSK, Coding Rate, 1/2., Mid Channel 5782 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		10.235	-15.2	-4.965	8	Pass

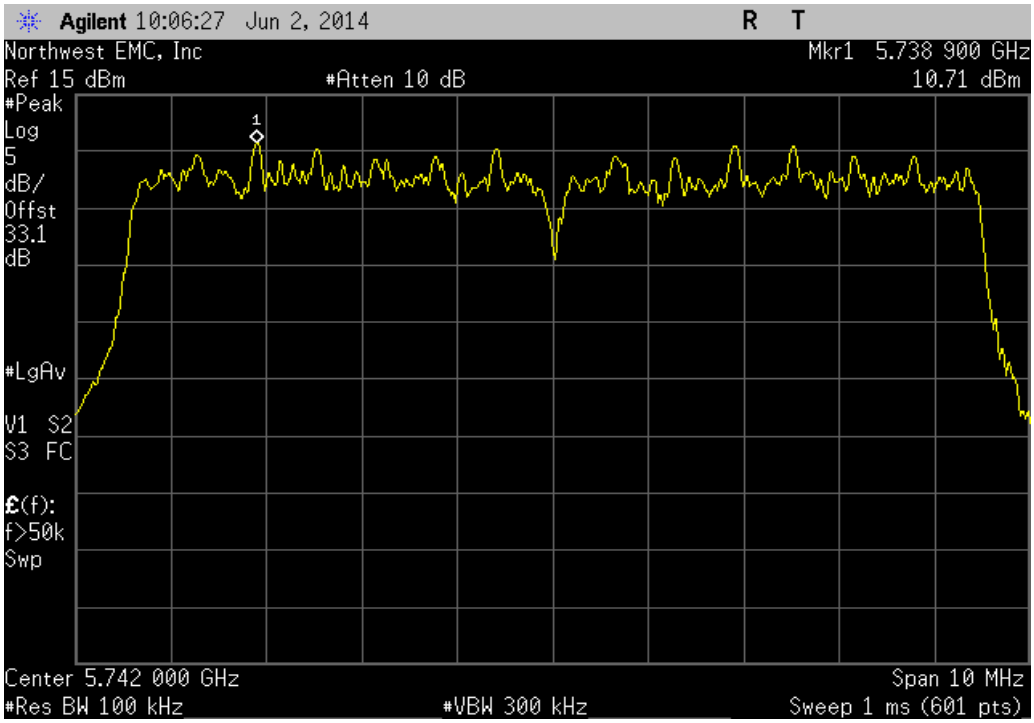


POWER SPECTRAL DENSITY - 2x2 MIMO

Chain 1, 5725 MHz - 5850 MHz Band, 10 MHz, 2x2 Modulation Type, BPSK, Coding Rate, 1/2., High Channel 5827 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		9.157	-15.2	-6.043	8	Pass

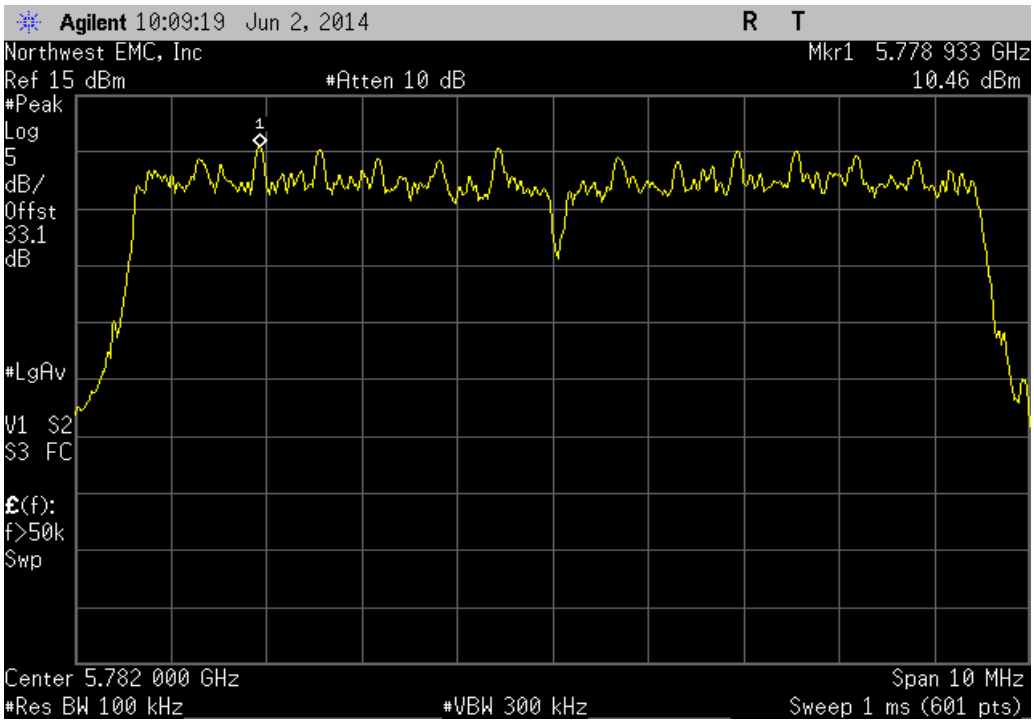


Chain 1, 5725 MHz - 5850 MHz Band, 10 MHz, 2x2 Modulation Type, 64-QAM, Coding Rate, 5/6., Low Channel 5742 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		10.706	-15.2	-4.494	8	Pass

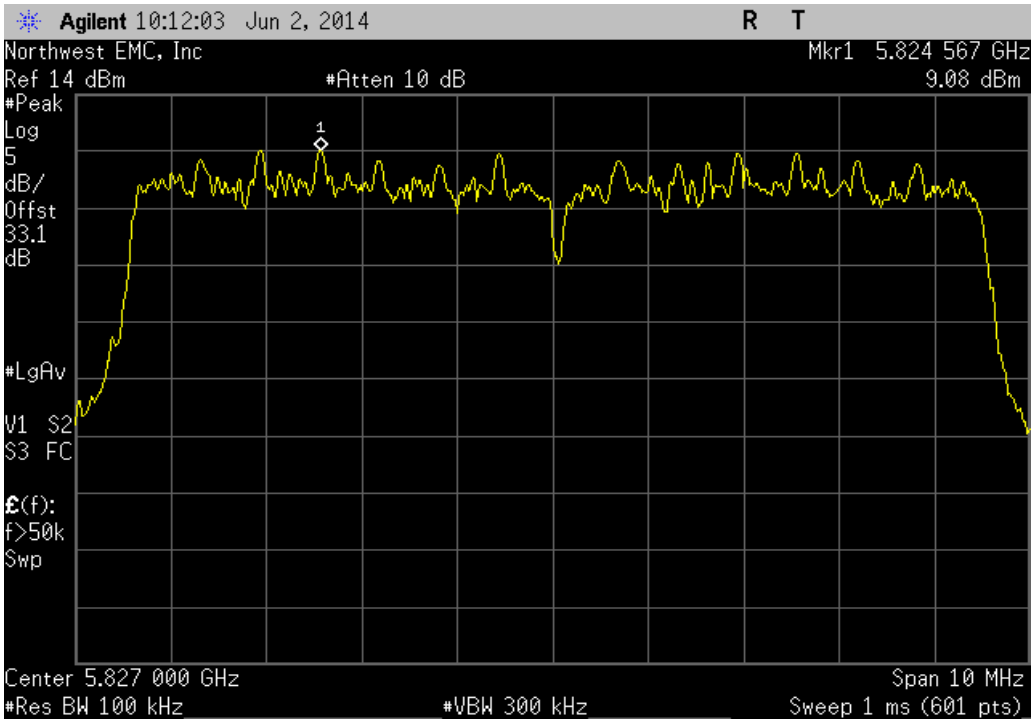


POWER SPECTRAL DENSITY - 2x2 MIMO

Chain 1, 5725 MHz - 5850 MHz Band, 10 MHz, 2x2 Modulation Type, 64-QAM, Coding Rate, 5/6., Mid Channel 5782 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		10.458	-15.2	-4.742	8	Pass

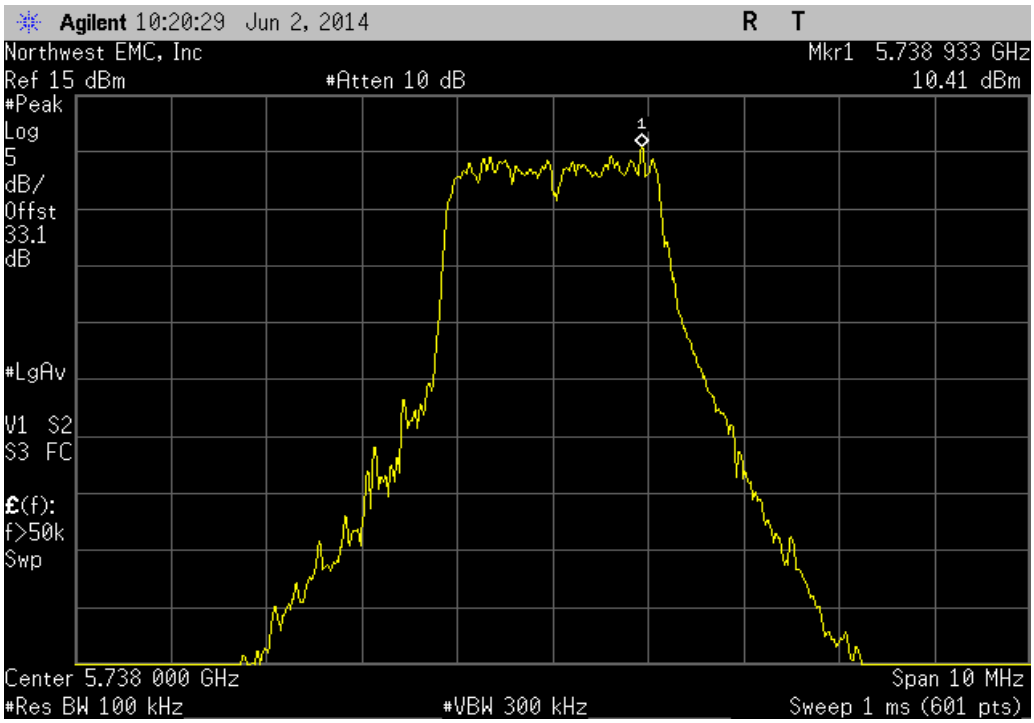


Chain 1, 5725 MHz - 5850 MHz Band, 10 MHz, 2x2 Modulation Type, 64-QAM, Coding Rate, 5/6., High Channel 5827 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		9.084	-15.2	-6.116	8	Pass

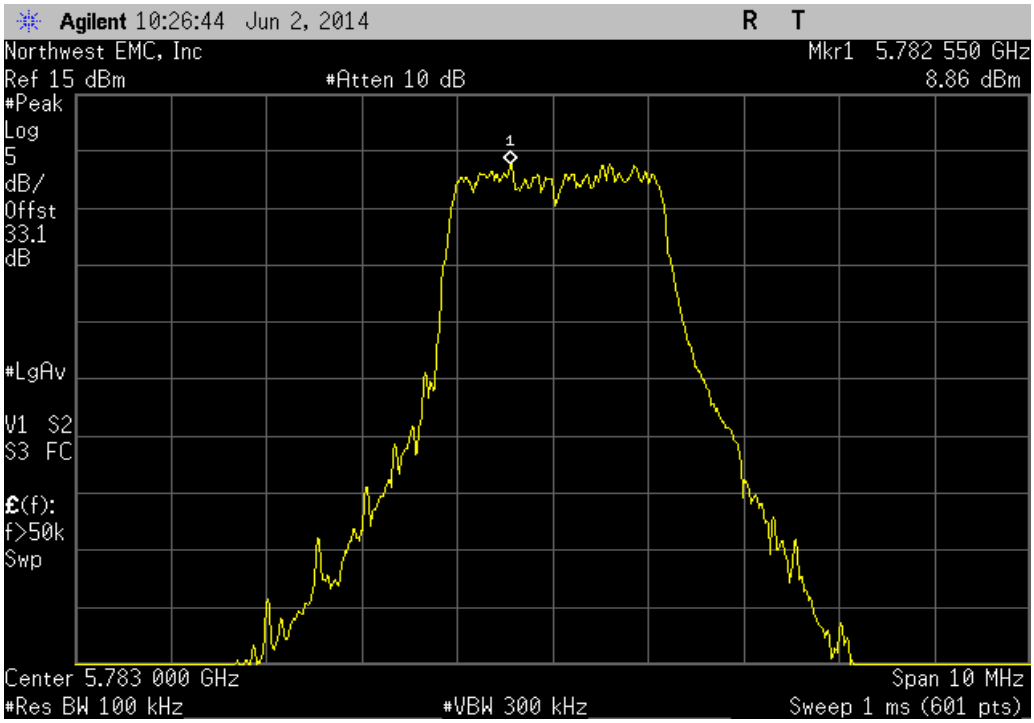


POWER SPECTRAL DENSITY - 2x2 MIMO

Chain 2, 5725 MHz - 5850 MHz Band, 2.5 MHz, 2x2 Modulation Type, BPSK, Coding Rate, 1/2., Low Channel 5738 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		10.407	-15.2	-4.793	8	Pass

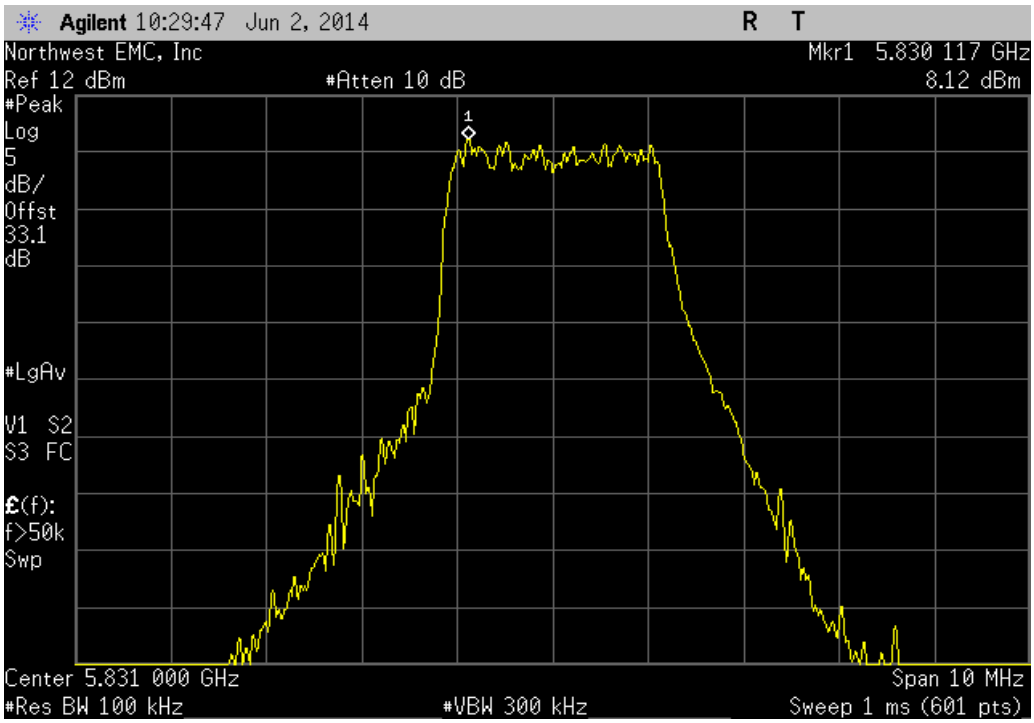


Chain 2, 5725 MHz - 5850 MHz Band, 2.5 MHz, 2x2 Modulation Type, BPSK, Coding Rate, 1/2., Mid Channel 5783 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		8.857	-15.2	-6.343	8	Pass

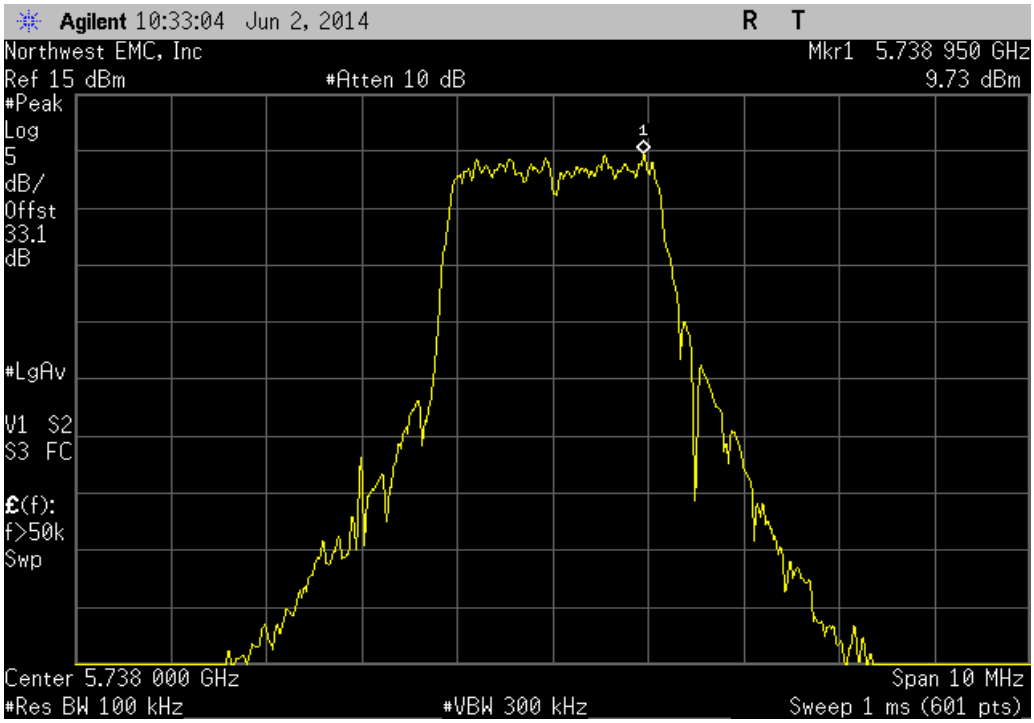


POWER SPECTRAL DENSITY - 2x2 MIMO

Chain 2, 5725 MHz - 5850 MHz Band, 2.5 MHz, 2x2 Modulation Type, BPSK, Coding Rate, 1/2., High Channel 5831 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		8.124	-15.2	-7.076	8	Pass

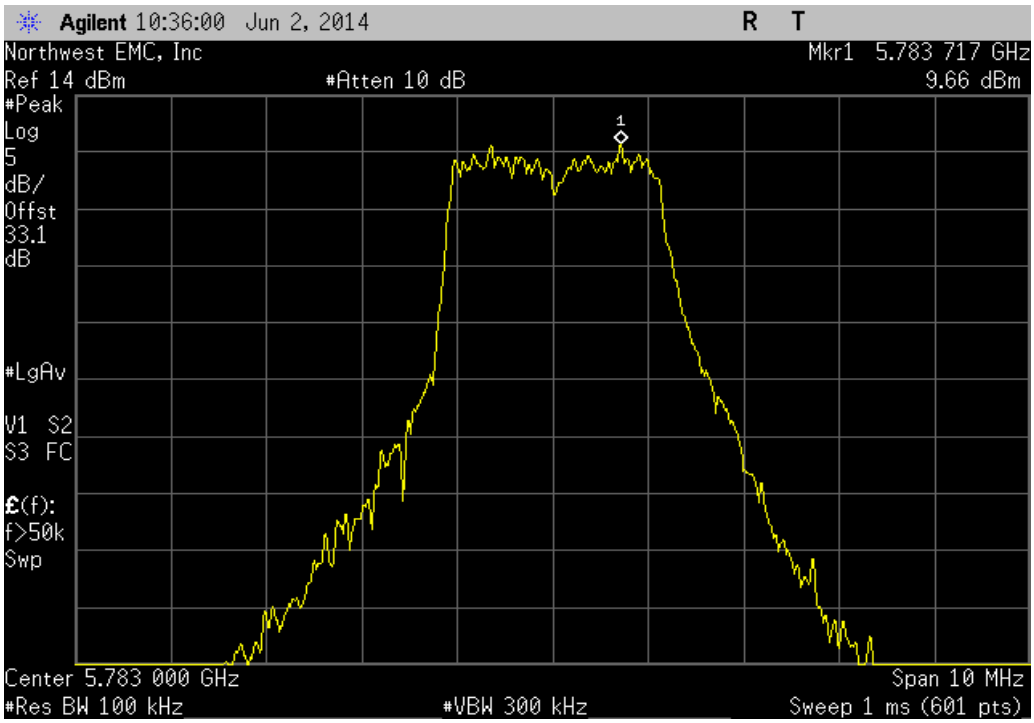


Chain 2, 5725 MHz - 5850 MHz Band, 2.5 MHz, 2x2 Modulation Type, 64-QAM, Coding Rate, 5/6., Low Channel 5738 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		9.731	-15.2	-5.469	8	Pass

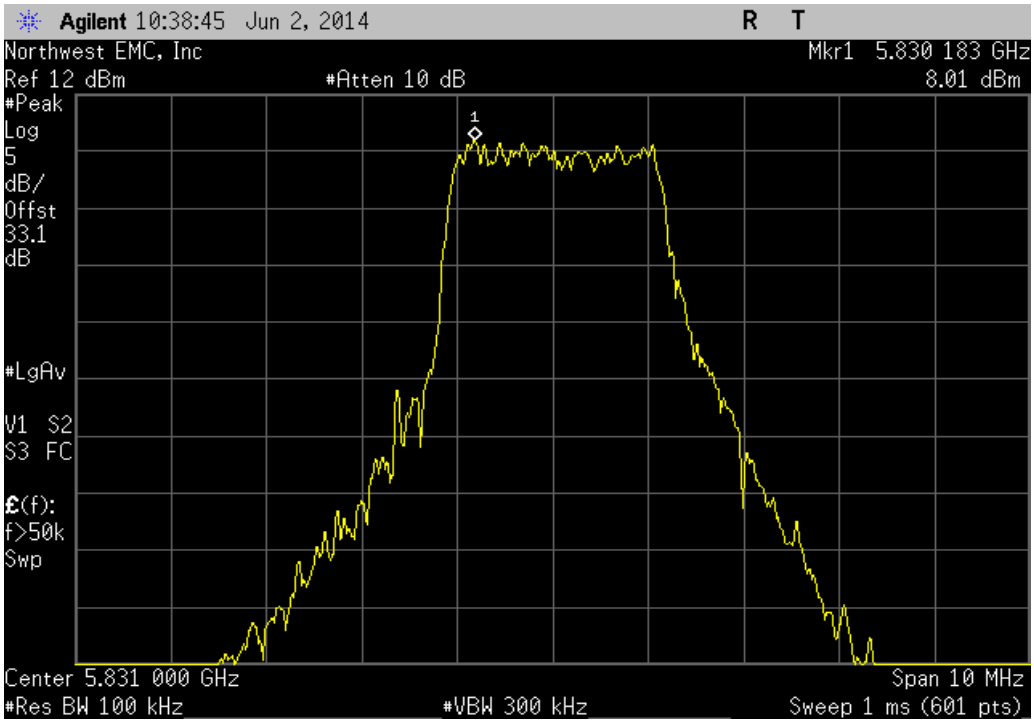


POWER SPECTRAL DENSITY - 2x2 MIMO

Chain 2, 5725 MHz - 5850 MHz Band, 2.5 MHz, 2x2 Modulation Type, 64-QAM, Coding Rate, 5/6., Mid Channel 5783 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		9.664	-15.2	-5.536	8	Pass

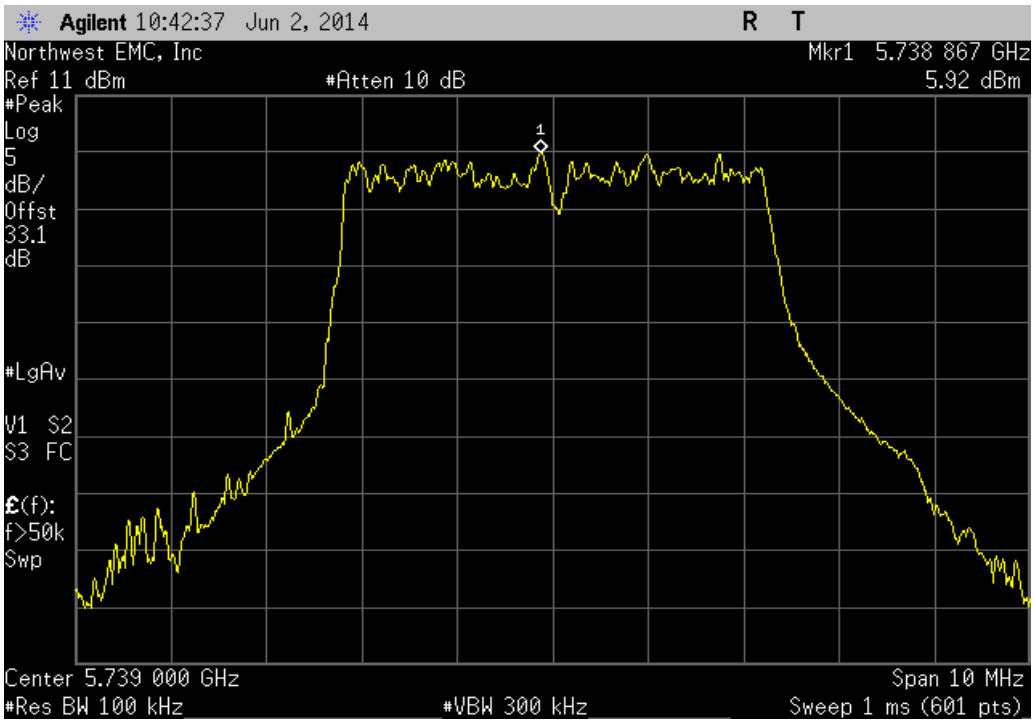


Chain 2, 5725 MHz - 5850 MHz Band, 2.5 MHz, 2x2 Modulation Type, 64-QAM, Coding Rate, 5/6., High Channel 5831 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		8.013	-15.2	-7.187	8	Pass

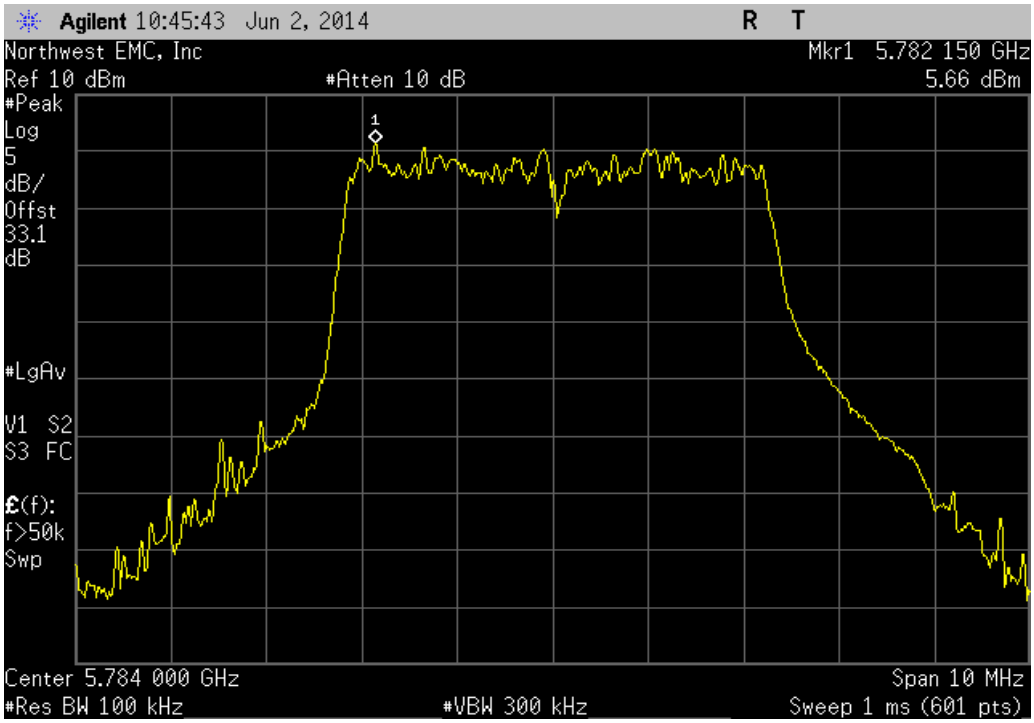


POWER SPECTRAL DENSITY - 2x2 MIMO

Chain 2, 5725 MHz - 5850 MHz Band, 5 MHz, 2x2 Modulation Type, BPSK, Coding Rate, 1/2., Low Channel 5739 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		5.917	-15.2	-9.283	8	Pass

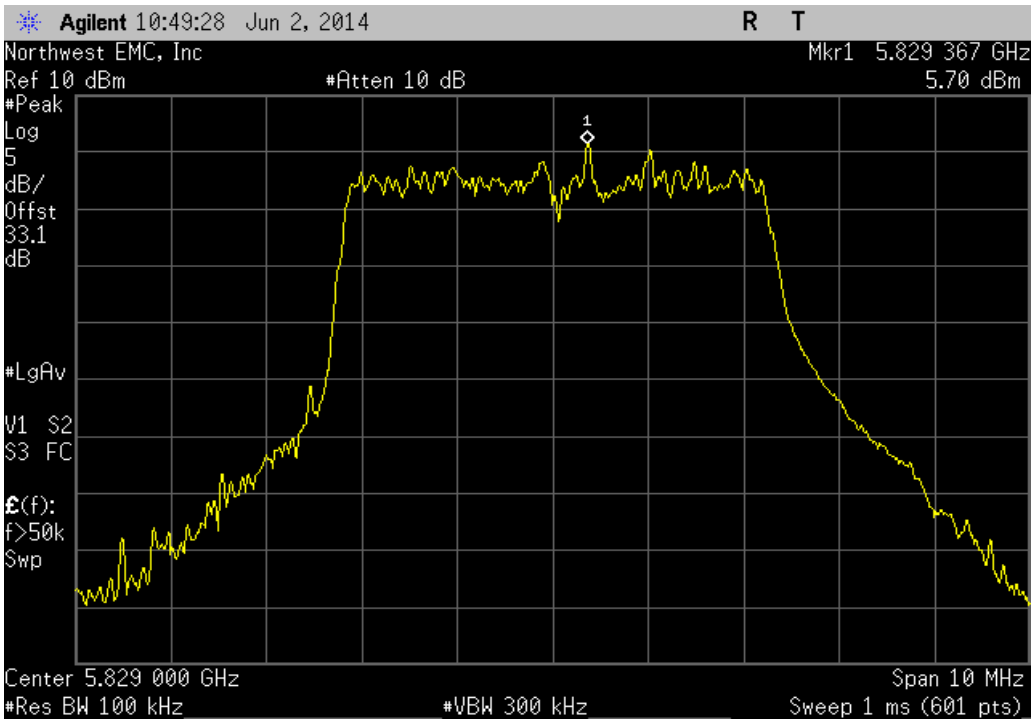


Chain 2, 5725 MHz - 5850 MHz Band, 5 MHz, 2x2 Modulation Type, BPSK, Coding Rate, 1/2., Mid Channel 5784 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		5.66	-15.2	-9.54	8	Pass

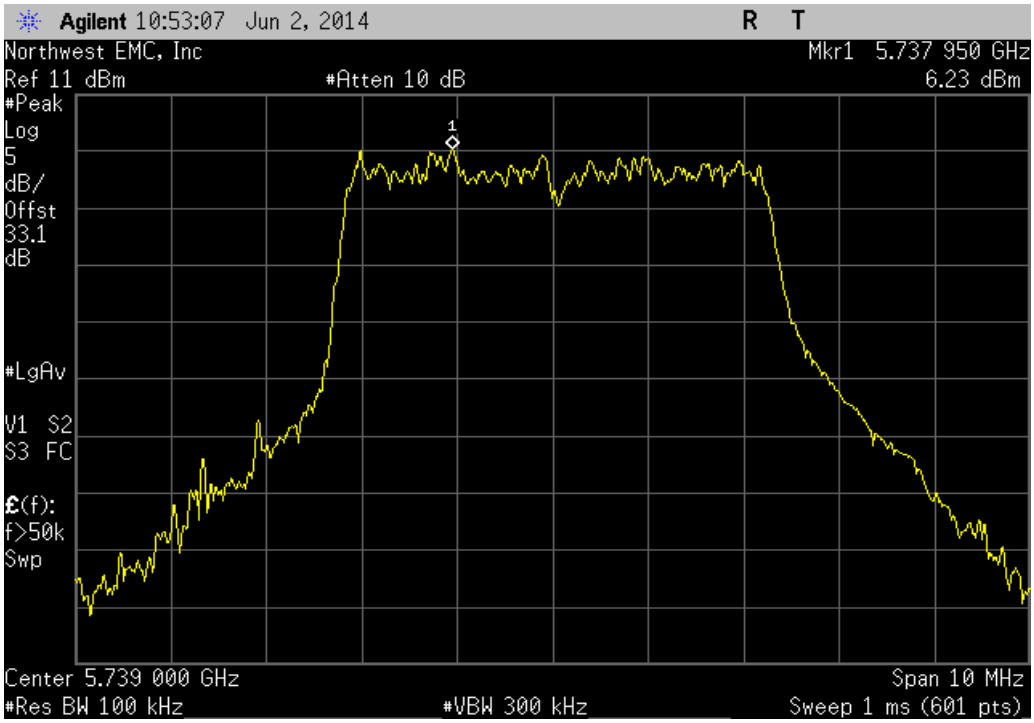


POWER SPECTRAL DENSITY - 2x2 MIMO

Chain 2, 5725 MHz - 5850 MHz Band, 5 MHz, 2x2 Modulation Type, BPSK, Coding Rate, 1/2., High Channel 5829 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		5.698	-15.2	-9.502	8	Pass

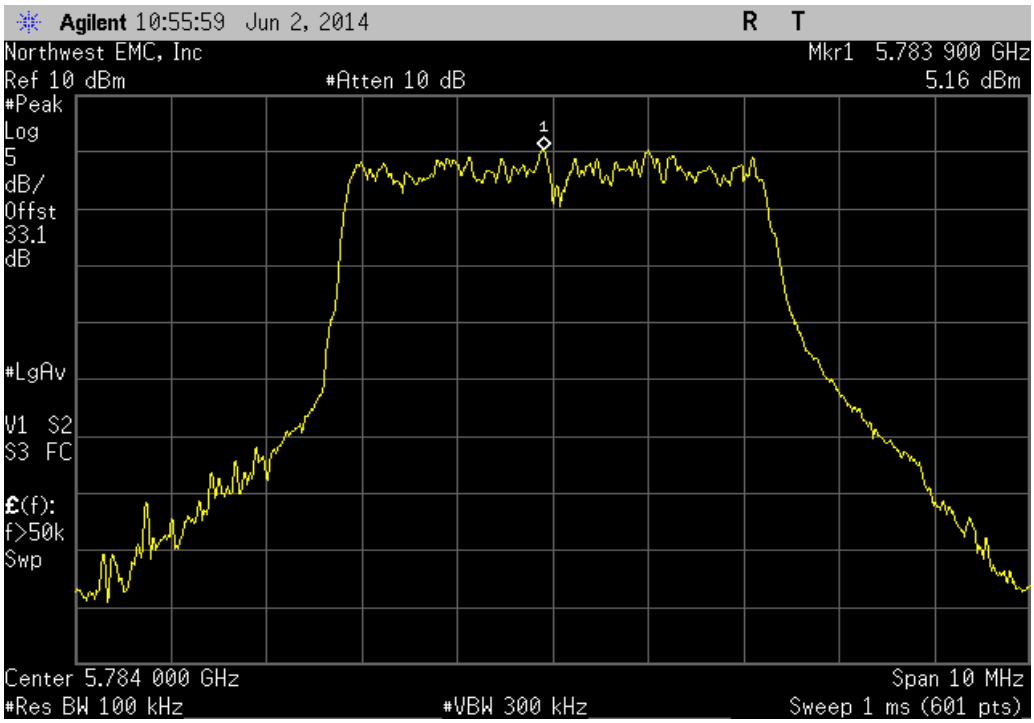


Chain 2, 5725 MHz - 5850 MHz Band, 5 MHz, 2x2 Modulation Type, 64-QAM, Coding Rate, 5/6., Low Channel 5739 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		6.229	-15.2	-8.971	8	Pass

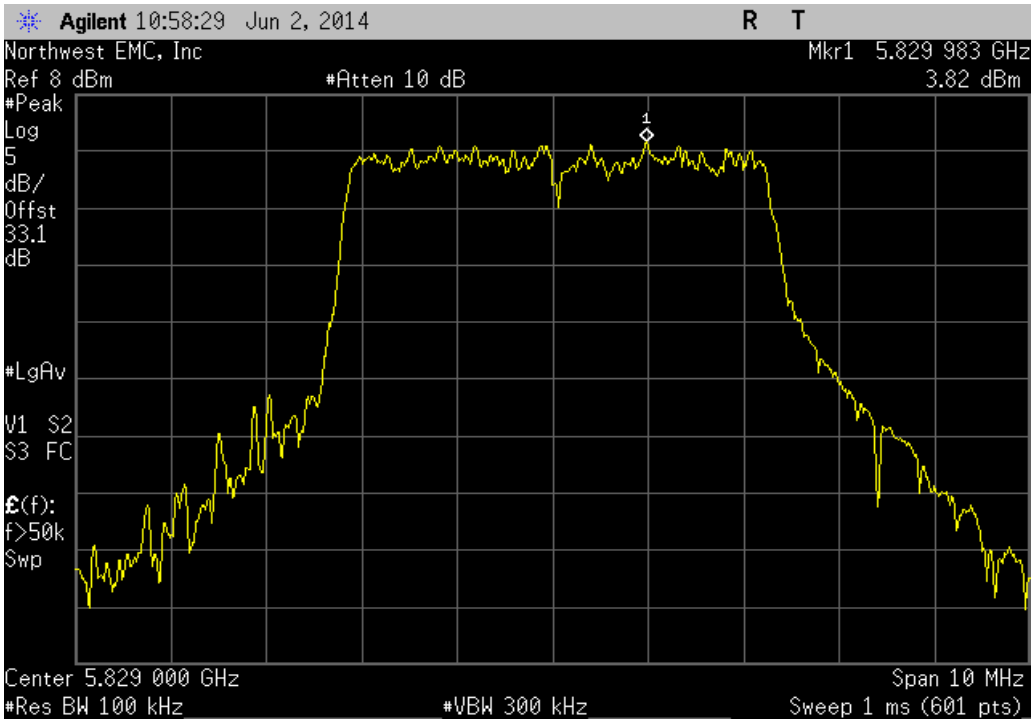


POWER SPECTRAL DENSITY - 2x2 MIMO

Chain 2, 5725 MHz - 5850 MHz Band, 5 MHz, 2x2 Modulation Type, 64-QAM, Coding Rate, 5/6., Mid Channel 5784 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		5.161	-15.2	-10.039	8	Pass

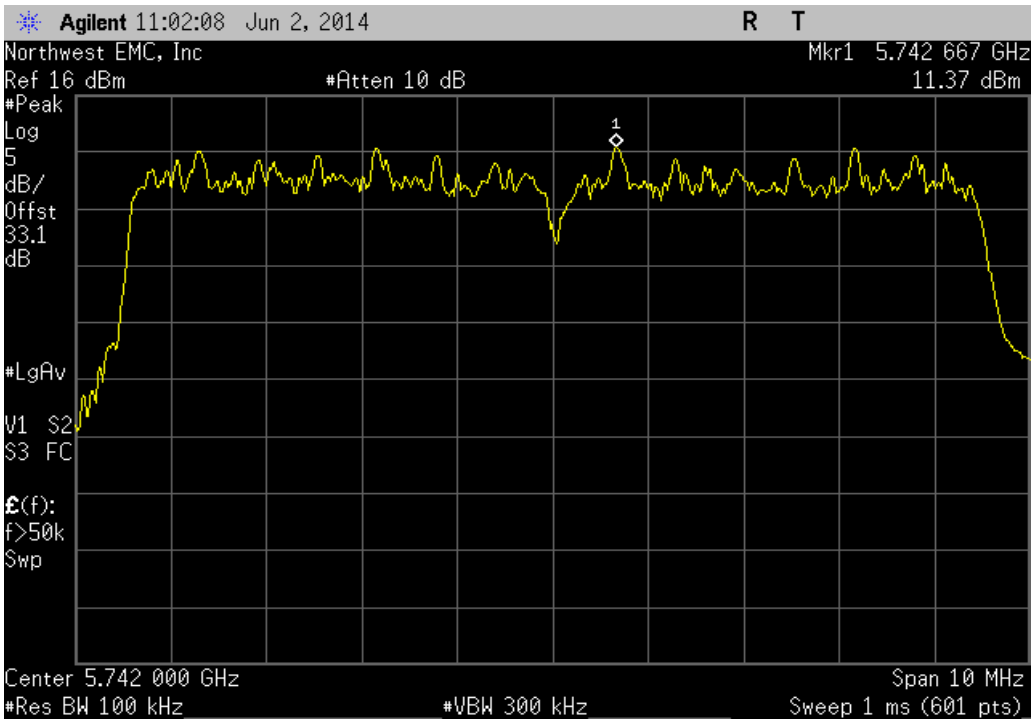


Chain 2, 5725 MHz - 5850 MHz Band, 5 MHz, 2x2 Modulation Type, 64-QAM, Coding Rate, 5/6., High Channel 5829 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		3.824	-15.2	-11.376	8	Pass

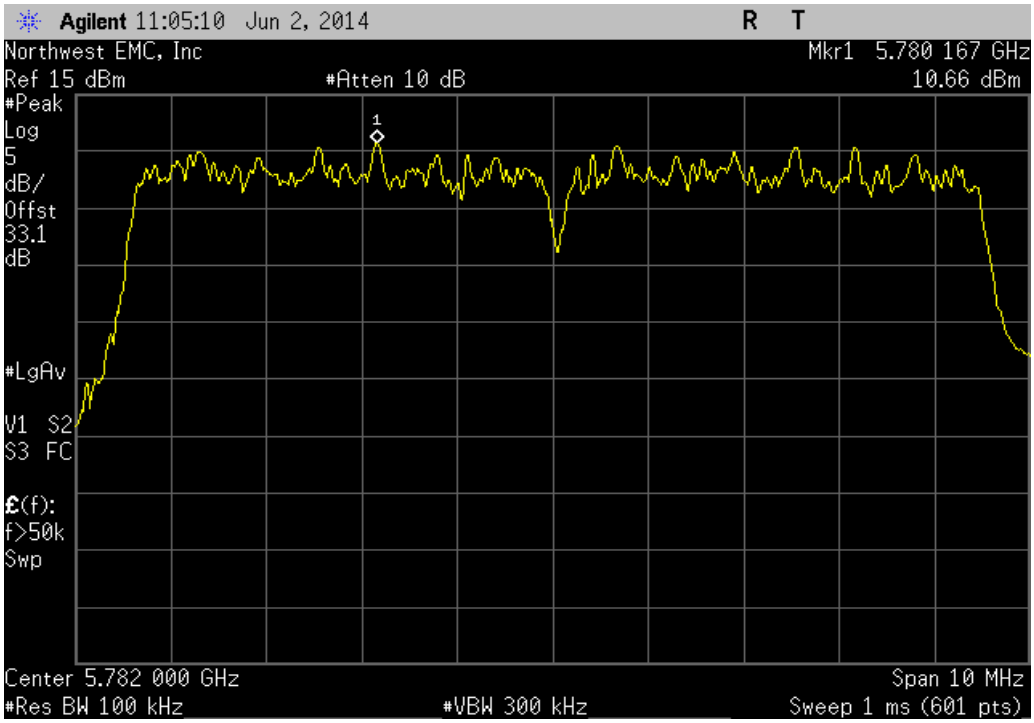


POWER SPECTRAL DENSITY - 2x2 MIMO

Chain 2, 5725 MHz - 5850 MHz Band, 10 MHz, 2x2 Modulation Type, BPSK, Coding Rate, 1/2., Low Channel 5742 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		11.369	-15.2	-3.831	8	Pass

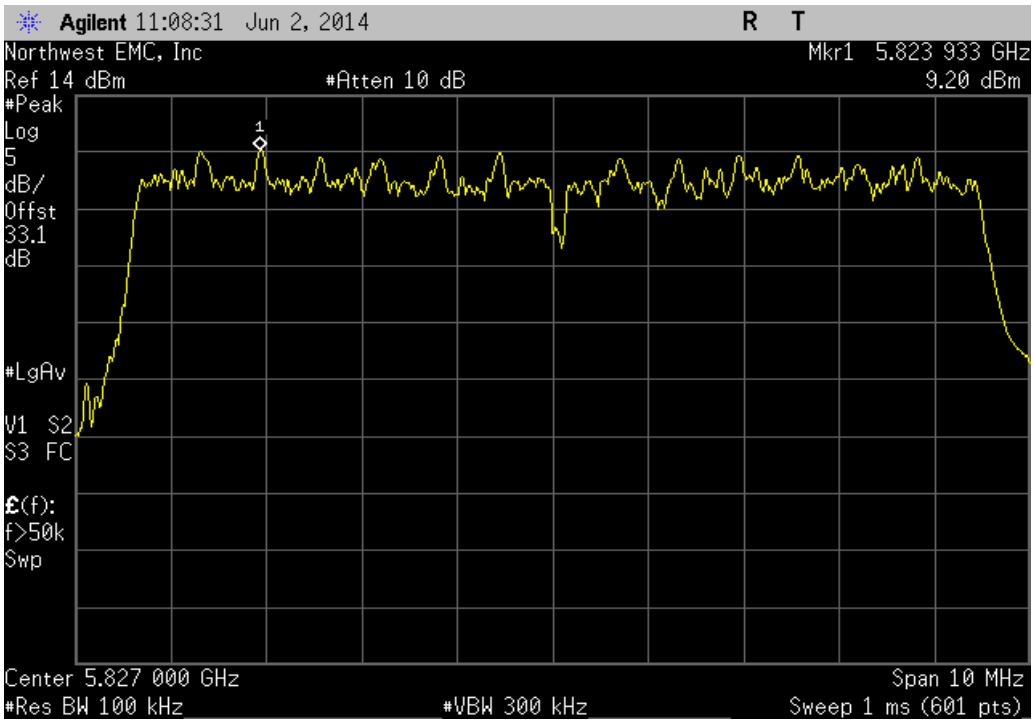


Chain 2, 5725 MHz - 5850 MHz Band, 10 MHz, 2x2 Modulation Type, BPSK, Coding Rate, 1/2., Mid Channel 5782 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		10.658	-15.2	-4.542	8	Pass

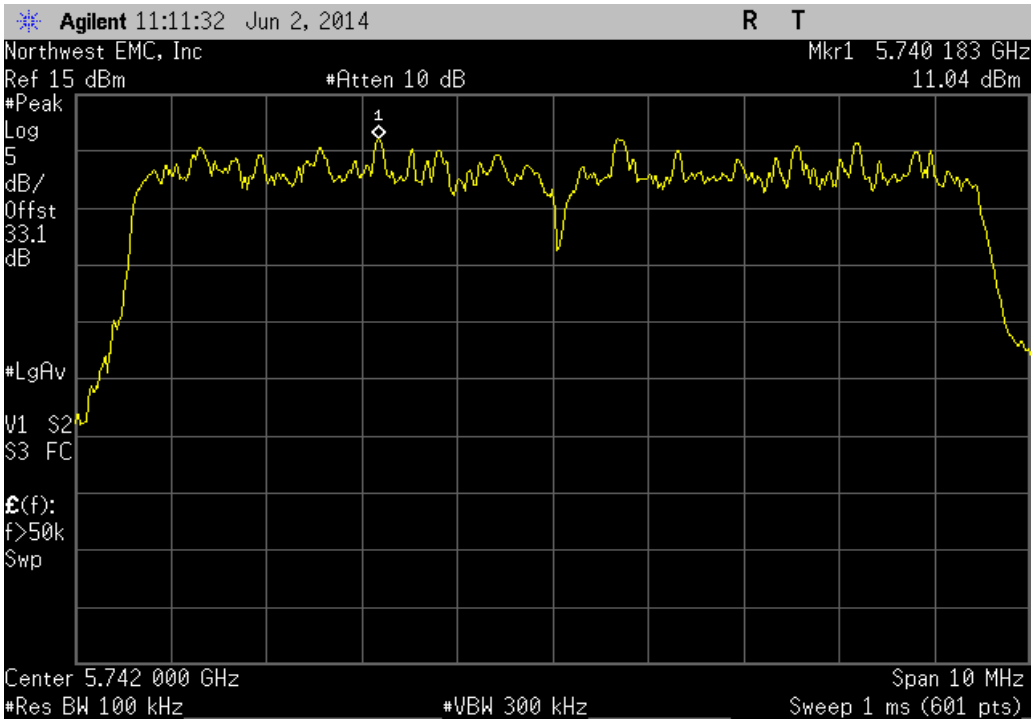


POWER SPECTRAL DENSITY - 2x2 MIMO

Chain 2, 5725 MHz - 5850 MHz Band, 10 MHz, 2x2 Modulation Type, BPSK, Coding Rate, 1/2., High Channel 5827 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		9.201	-15.2	-5.999	8	Pass

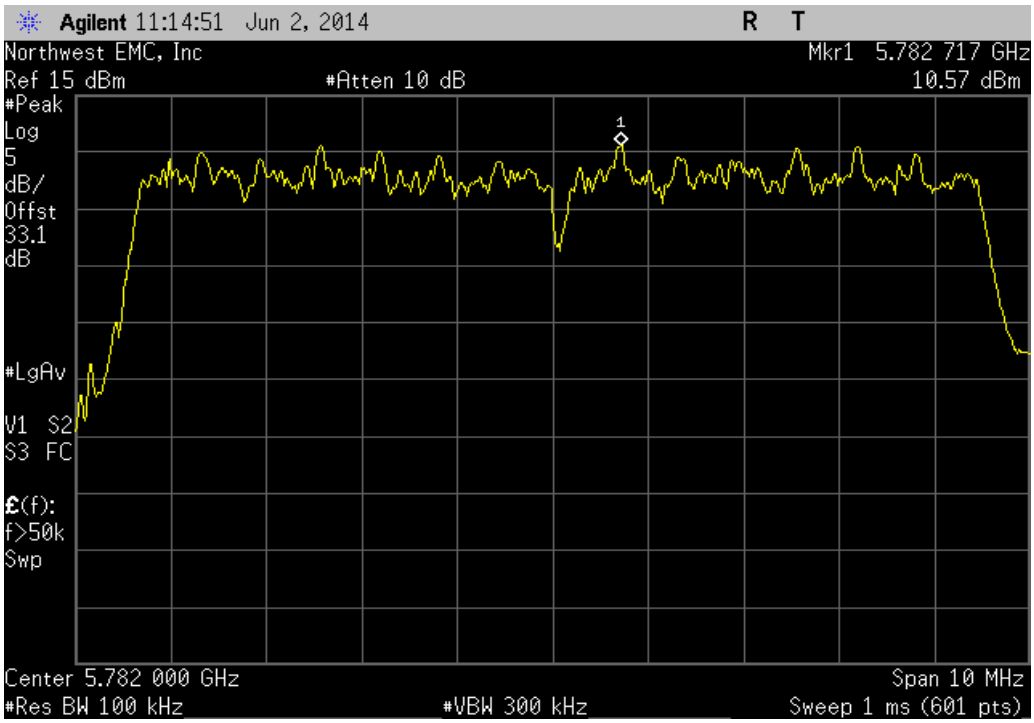


Chain 2, 5725 MHz - 5850 MHz Band, 10 MHz, 2x2 Modulation Type, 64-QAM, Coding Rate, 5/6., Low Channel 5742 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		11.043	-15.2	-4.157	8	Pass

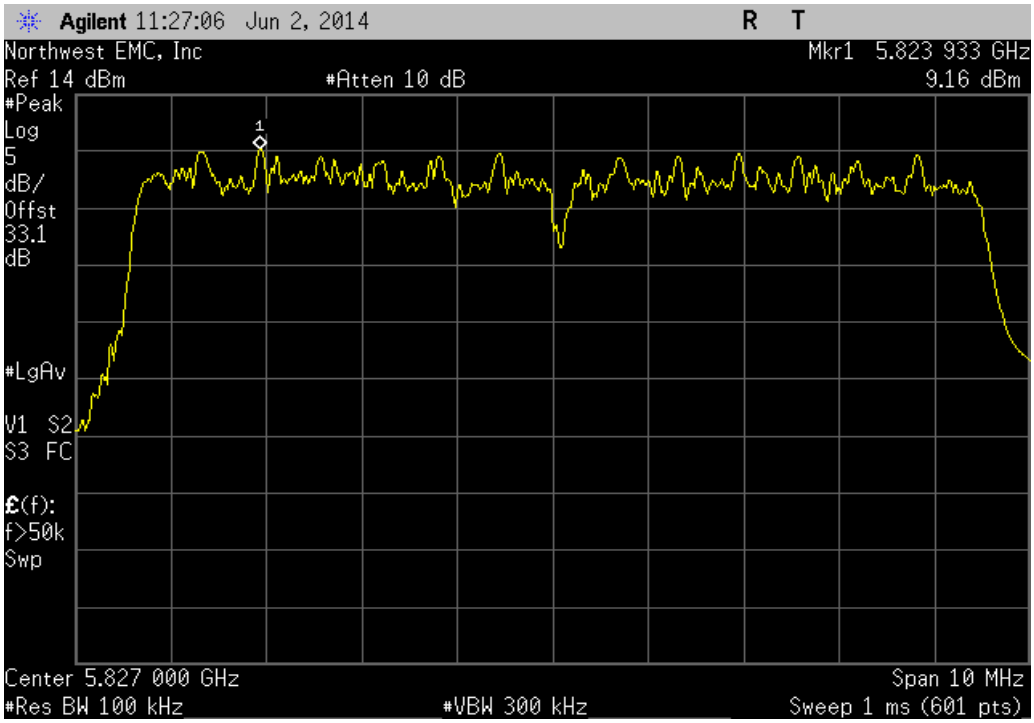


POWER SPECTRAL DENSITY - 2x2 MIMO

Chain 2, 5725 MHz - 5850 MHz Band, 10 MHz, 2x2 Modulation Type, 64-QAM, Coding Rate, 5/6., Mid Channel 5782 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		10.57	-15.2	-4.63	8	Pass



Chain 2, 5725 MHz - 5850 MHz Band, 10 MHz, 2x2 Modulation Type, 64-QAM, Coding Rate, 5/6., High Channel 5827 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		9.158	-15.2	-6.042	8	Pass



POWER SPECTRAL DENSITY - 3x3 MIMO

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)
40GHz DC Block	Miteq	DCB4000	AMD	4/28/2014	12
Attenuator 20 dB, SMA M/F 26GHz	S.M. Electronics	SA26B-20	AUY	7/30/2013	12
EV06 Direct Connect Cable	ESM Cable Corp.	TT	ECA	NCR	0
Attenuator 6 dB, SMA M/F 26GHz	S.M. Electronics	SA26B-6	AUX	7/30/2013	12
Power Meter	Agilent	N1913A	SQR	4/29/2013	36
Power Sensor	Agilent	E9300H	SQO	4/29/2013	36
Spectrum Analyzer	Agilent	E4446A	AAQ	1/21/2014	24
MXG MW Analog Signal Generator 40 Gig	Agilent	N5183A	TID	9/19/2011	36

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 - 3x3 MIMO

EUT:	WavePoint - 5GHz Radio (W5800-01)	Work Order:	FREW0028
Serial Number:	00:07:E7:A0:01:F1	Date:	06/03/14
Customer:	FreeWave Technologies, Inc.	Temperature:	22.6°C
Attendees:	Dean Busch	Humidity:	43%
Project:	None	Barometric Pres.:	1018.7
Tested by:	Brandon Hobbs, Jared Ison	Power: 110VAC/60Hz	Job Site: EV06

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

COMMENTS

An additional 10dB 5watt attenuater was used inline for all measurements made while under test. Please reference the power table for power settings used while under test.

DEVIATIONS FROM TEST STANDARD

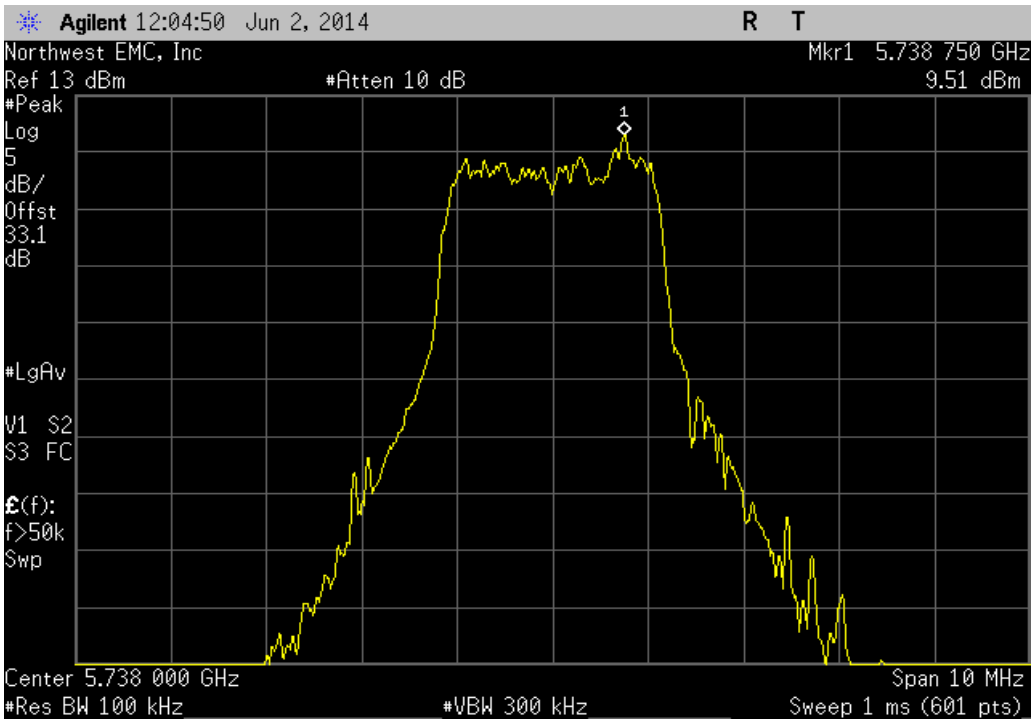
Configuration #	1	Signature

	Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
Chain 1					
5725 MHz - 5850 MHz Band					
2.5MHz Bandwidth					
3x3 Modulation Type, BPSK, Coding Rate, 1/2.					
Low Channel 668, 5738MHz	9.508	-15.2	-5.692	8	Pass
Mid Channel 713, 5783MHz	8.341	-15.2	-6.859	8	Pass
High Channel 761, 5831MHz	7.42	-15.2	-7.78	8	Pass
3x3 Modulation Type, 64-QAM, Coding Rate, 5/6.					
Low Channel 668, 5738MHz	7.321	-15.2	-7.879	8	Pass
Mid Channel 713, 5783MHz	8.328	-15.2	-6.872	8	Pass
High Channel 761, 5831MHz	8.715	-15.2	-6.485	8	Pass
5MHz Bandwidth					
3x3 Modulation Type, BPSK, Coding Rate, 1/2.					
Low Channel 669, 5739MHz	3.139	-15.2	-12.061	8	Pass
Mid Channel 714, 5784MHz	3.397	-15.2	-11.803	8	Pass
High Channel 759, 5829MHz	2.912	-15.2	-12.288	8	Pass
3x3 Modulation Type, 64-QAM, Coding Rate, 5/6.					
Low Channel 669, 5739MHz	3.841	-15.2	-11.359	8	Pass
Mid Channel 714, 5784MHz	3.304	-15.2	-11.896	8	Pass
High Channel 759, 5829MHz	3.668	-15.2	-11.532	8	Pass
10MHz Bandwidth					
3x3 Modulation Type, BPSK, Coding Rate, 1/2.					
Low Channel 672, 5742MHz	9.005	-15.2	-6.195	8	Pass
Mid Channel 712, 5782MHz	8.498	-15.2	-6.702	8	Pass
High Channel 757, 5827MHz	8.12	-15.2	-7.08	8	Pass
3x3 Modulation Type, 64-QAM, Coding Rate, 5/6.					
Low Channel 672, 5742MHz	8.902	-15.2	-6.298	8	Pass
Mid Channel 712, 5782MHz	8.461	-15.2	-6.739	8	Pass
High Channel 757, 5827MHz	7.89	-15.2	-7.31	8	Pass
Chain 2					
5725 MHz - 5850 MHz Band					
2.5MHz Bandwidth					
3x3 Modulation Type, BPSK, Coding Rate, 1/2.					
Low Channel 668, 5738MHz	7.465	-15.2	-7.735	8	Pass
Mid Channel 713, 5783MHz	6.929	-15.2	-8.271	8	Pass
High Channel 761, 5831MHz	6.004	-15.2	-9.196	8	Pass
3x3 Modulation Type, 64-QAM, Coding Rate, 5/6.					
Low Channel 668, 5738MHz	7.251	-15.2	-7.949	8	Pass
Mid Channel 713, 5783MHz	6.767	-15.2	-8.433	8	Pass
High Channel 761, 5831MHz	5.851	-15.2	-9.349	8	Pass
5MHz Bandwidth					
3x3 Modulation Type, BPSK, Coding Rate, 1/2.					
Low Channel 669, 5739MHz	3.822	-15.2	-11.378	8	Pass
Mid Channel 714, 5784MHz	3.997	-15.2	-11.203	8	Pass
High Channel 759, 5829MHz	2.814	-15.2	-12.386	8	Pass
3x3 Modulation Type, 64-QAM, Coding Rate, 5/6.					
Low Channel 669, 5739MHz	4.818	-15.2	-10.382	8	Pass
Mid Channel 714, 5784MHz	4.628	-15.2	-10.572	8	Pass
High Channel 759, 5829MHz	2.356	-15.2	-12.844	8	Pass
10MHz Bandwidth					
3x3 Modulation Type, BPSK, Coding Rate, 1/2.					
Low Channel 672, 5742MHz	10.574	-15.2	-4.626	8	Pass
Mid Channel 712, 5782MHz	10.117	-15.2	-5.083	8	Pass
High Channel 757, 5827MHz	8.706	-15.2	-6.494	8	Pass
3x3 Modulation Type, 64-QAM, Coding Rate, 5/6.					
Low Channel 672, 5742MHz	10.551	-15.2	-4.649	8	Pass
Mid Channel 712, 5782MHz	10.023	-15.2	-5.177	8	Pass
High Channel 757, 5827MHz	8.826	-15.2	-6.374	8	Pass
Chain 3					
5725 MHz - 5850 MHz Band					
2.5MHz Bandwidth					
3x3 Modulation Type, BPSK, Coding Rate, 1/2.					
Low Channel 668, 5738MHz	8.064	-15.2	-7.136	8	Pass
Mid Channel 713, 5783MHz	7.611	-15.2	-7.589	8	Pass
High Channel 761, 5831MHz	5.788	-15.2	-9.412	8	Pass
3x3 Modulation Type, 64-QAM, Coding Rate, 5/6.					
Low Channel 668, 5738MHz	8.116	-15.2	-7.084	8	Pass
Mid Channel 713, 5783MHz	6.766	-15.2	-8.434	8	Pass
High Channel 761, 5831MHz	5.537	-15.2	-9.663	8	Pass
5MHz Bandwidth					
3x3 Modulation Type, BPSK, Coding Rate, 1/2.					
Low Channel 669, 5739MHz	2.824	-15.2	-12.376	8	Pass
Mid Channel 714, 5784MHz	2.492	-15.2	-12.708	8	Pass
High Channel 759, 5829MHz	1.423	-15.2	-13.777	8	Pass
3x3 Modulation Type, 64-QAM, Coding Rate, 5/6.					
Low Channel 669, 5739MHz	2.561	-15.2	-12.639	8	Pass
Mid Channel 714, 5784MHz	3.873	-15.2	-11.327	8	Pass
High Channel 759, 5829MHz	1.177	-15.2	-14.023	8	Pass

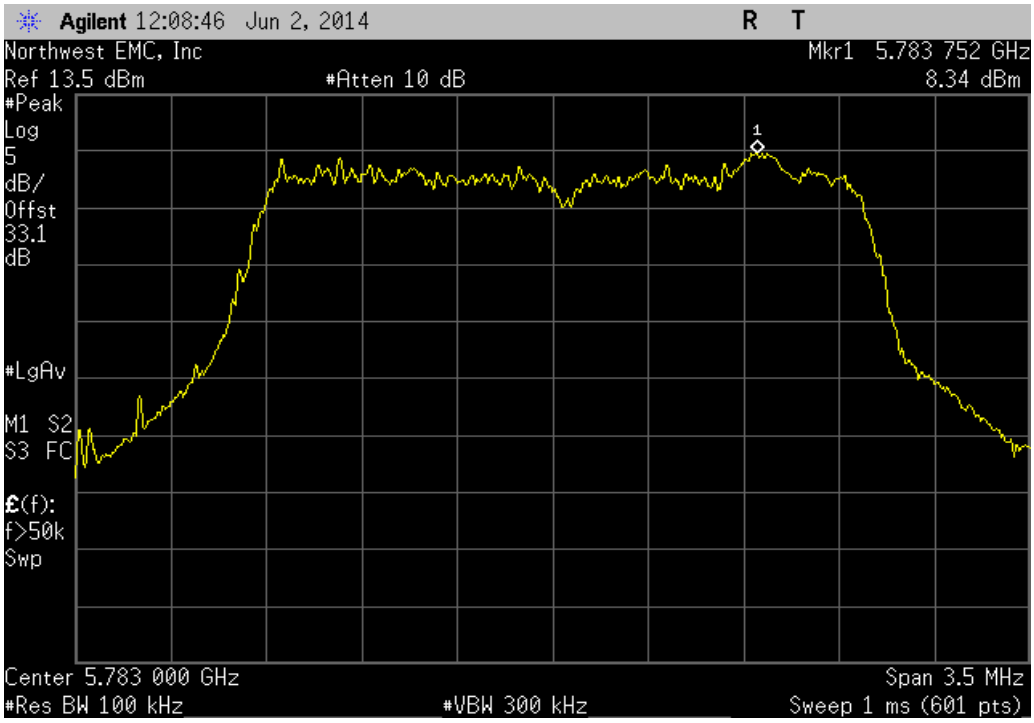
10MHz Bandwidth						
3x3 Modulation Type, BPSK, Coding Rate, 1/2.						
Low Channel 672, 5742MHz	10.15	-15.2	-5.05	8	Pass	
Mid Channel 712, 5782MHz	9.566	-15.2	-5.634	8	Pass	
High Channel 757, 5827MHz	7.993	-15.2	-7.207	8	Pass	
3x3 Modulation Type, 64-QAM, Coding Rate, 5/6.						
Low Channel 672, 5742MHz	9.739	-15.2	-5.461	8	Pass	
Mid Channel 712, 5782MHz	9.793	-15.2	-5.407	8	Pass	
High Channel 757, 5827MHz	7.952	-15.2	-7.248	8	Pass	
Chain 1						
2400 MHz - 2483.5 MHz Band						
2.5MHz Bandwidth	Value	Summing Factor	dBm/100kHz	Summed Power	Limit	
3x3 Modulation Type, BPSK, Coding Rate, 1/2.	(dBm/MHz)	(dBm)	To dBm/3kHz	(dBm/MHz)	(dBm/MHz)	Results
Low Channel 668, 5738MHz	9.508	3	-15.2	-2.692	8	Pass
Mid Channel 713, 5783MHz	8.341	3	-15.2	-3.859	8	Pass
High Channel 761, 5831MHz	7.42	3	-15.2	-4.78	8	Pass
3x3 Modulation Type, 64-QAM, Coding Rate, 5/6.						
Low Channel 668, 5738MHz	7.321	3	-15.2	-4.879	8	Pass
Mid Channel 713, 5783MHz	8.328	3	-15.2	-3.872	8	Pass
High Channel 761, 5831MHz	8.715	3	-15.2	-3.485	8	Pass
5MHz Bandwidth						
3x3 Modulation Type, BPSK, Coding Rate, 1/2.						
Low Channel 669, 5739MHz	3.139	3	-15.2	-9.061	8	Pass
Mid Channel 714, 5784MHz	3.397	3	-15.2	-8.803	8	Pass
High Channel 759, 5829MHz	2.912	3	-15.2	-9.288	8	Pass
3x3 Modulation Type, 64-QAM, Coding Rate, 5/6.						
Low Channel 669, 5739MHz	3.841	3	-15.2	-8.359	8	Pass
Mid Channel 714, 5784MHz	3.304	3	-15.2	-8.896	8	Pass
High Channel 759, 5829MHz	3.668	3	-15.2	-8.532	8	Pass
10MHz Bandwidth						
3x3 Modulation Type, BPSK, Coding Rate, 1/2.						
Low Channel 672, 5742MHz	9.005	3	-15.2	-3.195	8	Pass
Mid Channel 712, 5782MHz	8.498	3	-15.2	-3.702	8	Pass
High Channel 757, 5827MHz	8.12	3	-15.2	-4.08	8	Pass
3x3 Modulation Type, 64-QAM, Coding Rate, 5/6.						
Low Channel 672, 5742MHz	8.902	3	-15.2	-3.298	8	Pass
Mid Channel 712, 5782MHz	8.461	3	-15.2	-3.739	8	Pass
High Channel 757, 5827MHz	7.89	3	-15.2	-4.31	8	Pass
Chain 2						
2400 MHz - 2483.5 MHz Band						
2.5MHz Bandwidth	Value	Summing Factor	dBm/100kHz	Summed Power	Limit	
3x3 Modulation Type, BPSK, Coding Rate, 1/2.	(dBm/MHz)	(dBm)	To dBm/3kHz	(dBm/MHz)	(dBm/MHz)	Results
Low Channel 668, 5738MHz	7.465	3	-15.2	-4.735	8	Pass
Mid Channel 713, 5783MHz	6.929	3	-15.2	-5.271	8	Pass
High Channel 761, 5831MHz	6.004	3	-15.2	-6.196	8	Pass
3x3 Modulation Type, 64-QAM, Coding Rate, 5/6.						
Low Channel 668, 5738MHz	7.251	3	-15.2	-4.949	8	Pass
Mid Channel 713, 5783MHz	6.767	3	-15.2	-5.433	8	Pass
High Channel 761, 5831MHz	5.851	3	-15.2	-6.349	8	Pass
5MHz Bandwidth						
3x3 Modulation Type, BPSK, Coding Rate, 1/2.						
Low Channel 669, 5739MHz	3.822	3	-15.2	-8.378	8	Pass
Mid Channel 714, 5784MHz	3.997	3	-15.2	-8.203	8	Pass
High Channel 759, 5829MHz	2.814	3	-15.2	-9.386	8	Pass
3x3 Modulation Type, 64-QAM, Coding Rate, 5/6.						
Low Channel 669, 5739MHz	4.818	3	-15.2	-7.382	8	Pass
Mid Channel 714, 5784MHz	4.628	3	-15.2	-7.572	8	Pass
High Channel 759, 5829MHz	2.356	3	-15.2	-9.844	8	Pass
10MHz Bandwidth						
3x3 Modulation Type, BPSK, Coding Rate, 1/2.						
Low Channel 672, 5742MHz	10.574	3	-15.2	-1.626	8	Pass
Mid Channel 712, 5782MHz	10.117	3	-15.2	-2.083	8	Pass
High Channel 757, 5827MHz	8.706	3	-15.2	-3.494	8	Pass
3x3 Modulation Type, 64-QAM, Coding Rate, 5/6.						
Low Channel 672, 5742MHz	10.551	3	-15.2	-1.649	8	Pass
Mid Channel 712, 5782MHz	10.023	3	-15.2	-2.177	8	Pass
High Channel 757, 5827MHz	8.826	3	-15.2	-3.374	8	Pass
Chain 3						
2400 MHz - 2483.5 MHz Band						
2.5MHz Bandwidth	Value	Summing Factor	dBm/100kHz	Summed Power	Limit	
3x3 Modulation Type, BPSK, Coding Rate, 1/2.	(dBm/MHz)	(dBm)	To dBm/3kHz	(dBm/MHz)	(dBm/MHz)	Results
Low Channel 668, 5738MHz	8.064	3	-15.2	-4.136	8	Pass
Mid Channel 713, 5783MHz	7.611	3	-15.2	-4.589	8	Pass
High Channel 761, 5831MHz	5.788	3	-15.2	-6.412	8	Pass
3x3 Modulation Type, 64-QAM, Coding Rate, 5/6.						
Low Channel 668, 5738MHz	8.116	3	-15.2	-4.084	8	Pass
Mid Channel 713, 5783MHz	6.766	3	-15.2	-5.434	8	Pass
High Channel 761, 5831MHz	5.537	3	-15.2	-6.663	8	Pass
5MHz Bandwidth						
3x3 Modulation Type, BPSK, Coding Rate, 1/2.						
Low Channel 669, 5739MHz	2.824	3	-15.2	-9.376	8	Pass
Mid Channel 714, 5784MHz	2.492	3	-15.2	-9.708	8	Pass
High Channel 759, 5829MHz	1.423	3	-15.2	-10.777	8	Pass
3x3 Modulation Type, 64-QAM, Coding Rate, 5/6.						
Low Channel 669, 5739MHz	2.561	3	-15.2	-9.639	8	Pass
Mid Channel 714, 5784MHz	3.873	3	-15.2	-8.327	8	Pass
High Channel 759, 5829MHz	1.177	3	-15.2	-11.023	8	Pass
10MHz Bandwidth						
3x3 Modulation Type, BPSK, Coding Rate, 1/2.						
Low Channel 672, 5742MHz	10.15	3	-15.2	-2.05	8	Pass
Mid Channel 712, 5782MHz	9.566	3	-15.2	-2.634	8	Pass
High Channel 757, 5827MHz	7.993	3	-15.2	-4.207	8	Pass
3x3 Modulation Type, 64-QAM, Coding Rate, 5/6.						
Low Channel 672, 5742MHz	9.739	3	-15.2	-2.461	8	Pass
Mid Channel 712, 5782MHz	9.793	3	-15.2	-2.407	8	Pass
High Channel 757, 5827MHz	7.952	3	-15.2	-4.248	8	Pass

POWER SPECTRAL DENSITY - 3x3 MIMO

Chain 1 , 5725 MHz - 5850 MHz Band, 2.5MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., Low Channel 668, 5738MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		9.508	-15.2	-5.692	8	Pass

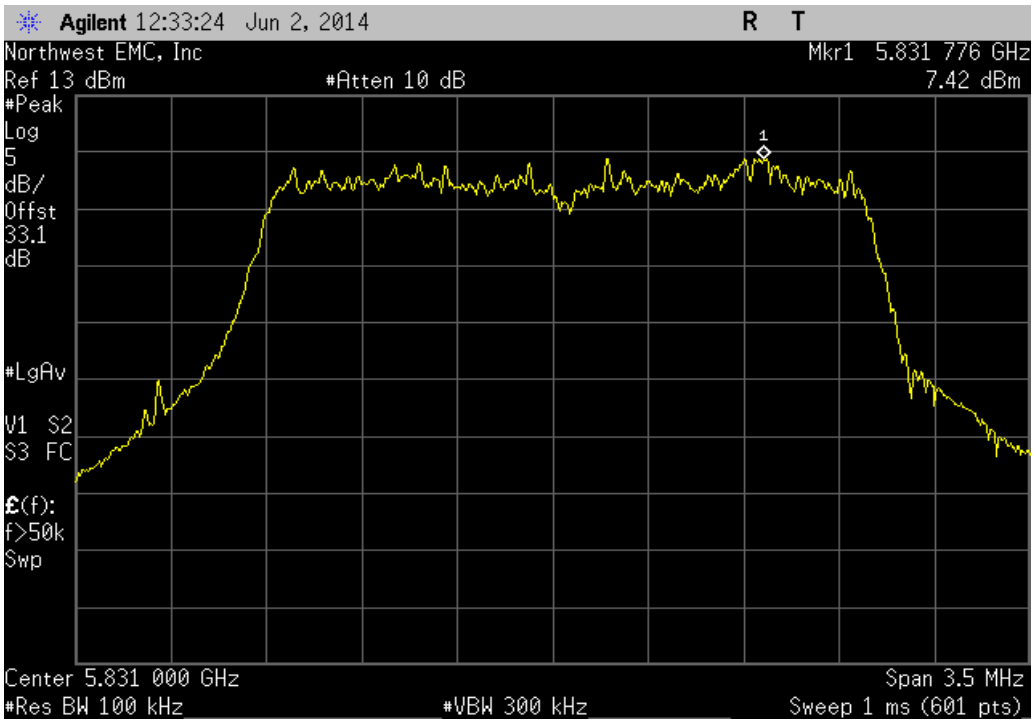


Chain 1 , 5725 MHz - 5850 MHz Band, 2.5MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., Mid Channel 713, 5783MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		8.341	-15.2	-6.859	8	Pass

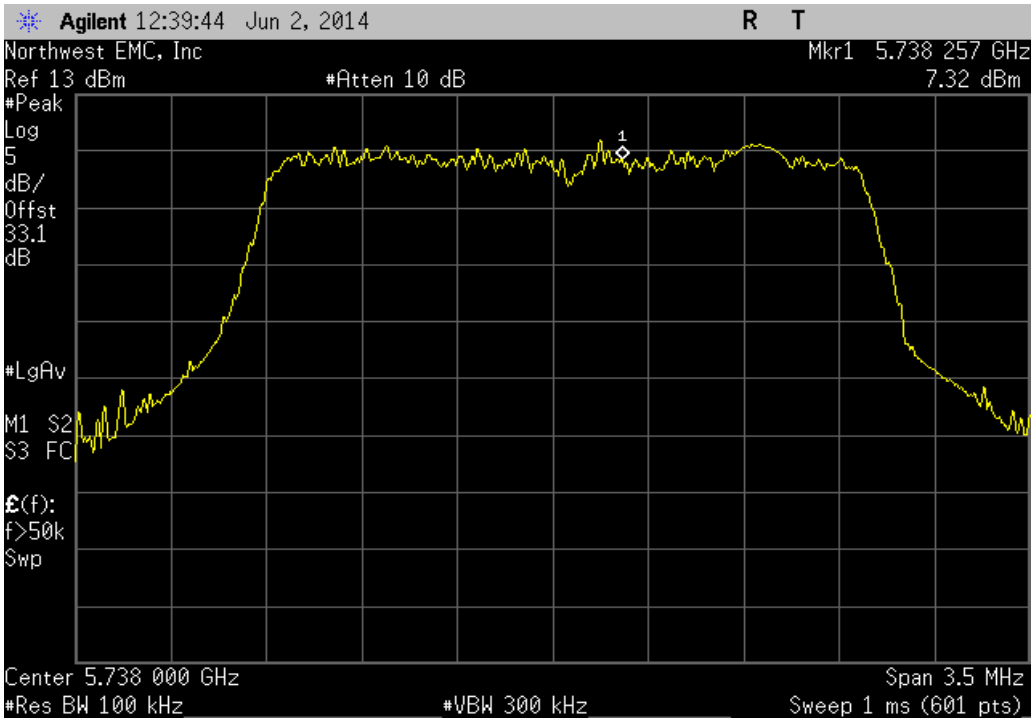


POWER SPECTRAL DENSITY - 3x3 MIMO

Chain 1 , 5725 MHz - 5850 MHz Band, 2.5MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., High Channel 761, 5831MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		7.42	-15.2	-7.78	8	Pass

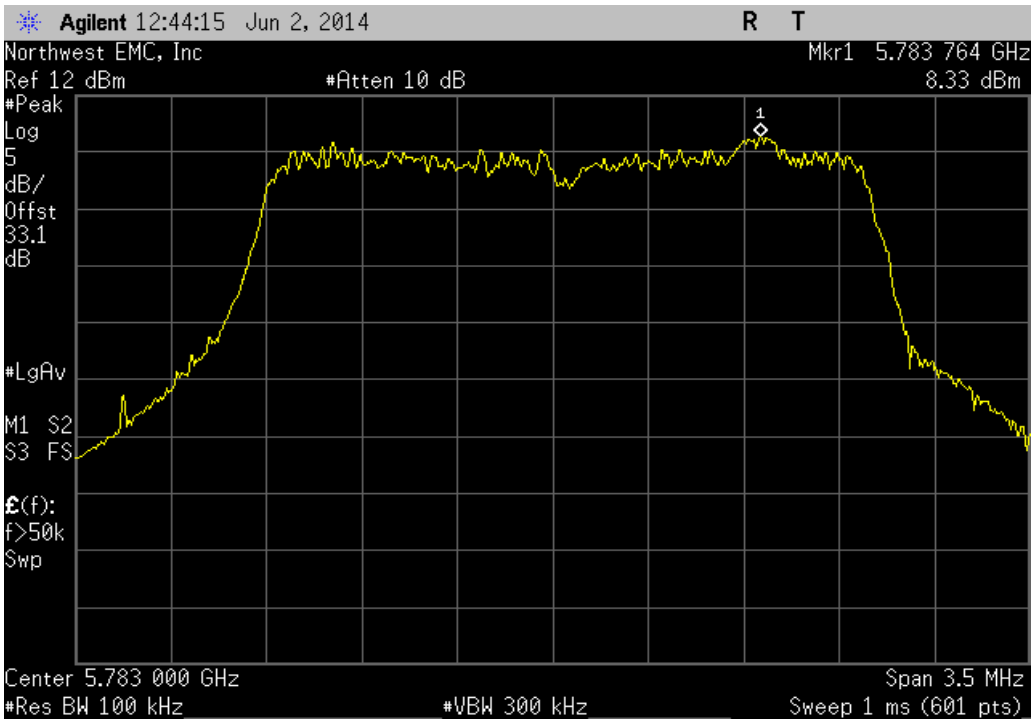


Chain 1 , 5725 MHz - 5850 MHz Band, 2.5MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., Low Channel 668, 5738MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		7.321	-15.2	-7.879	8	Pass

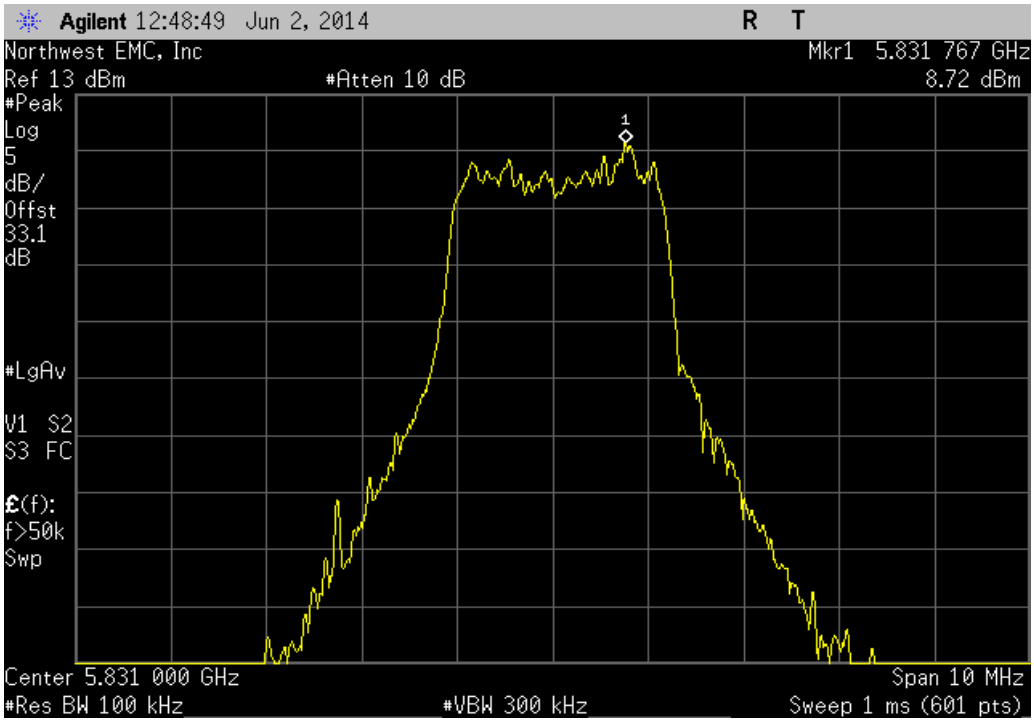


POWER SPECTRAL DENSITY - 3x3 MIMO

Chain 1 , 5725 MHz - 5850 MHz Band, 2.5MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., Mid Channel 713, 5783MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		8.328	-15.2	-6.872	8	Pass

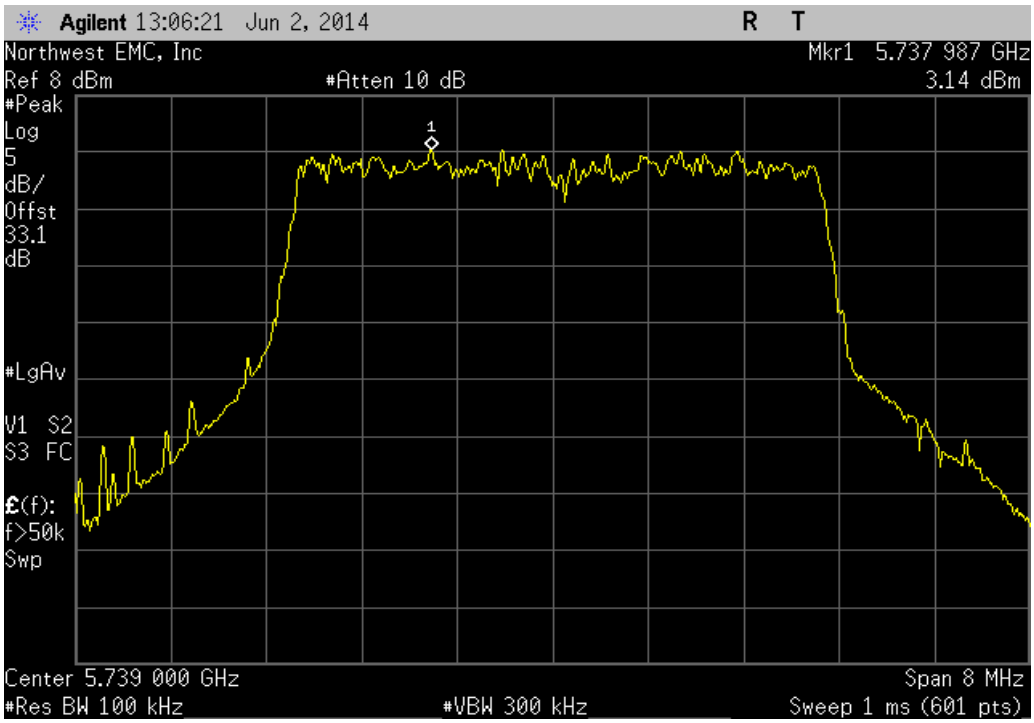


Chain 1 , 5725 MHz - 5850 MHz Band, 2.5MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., High Channel 761, 5831MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		8.715	-15.2	-6.485	8	Pass

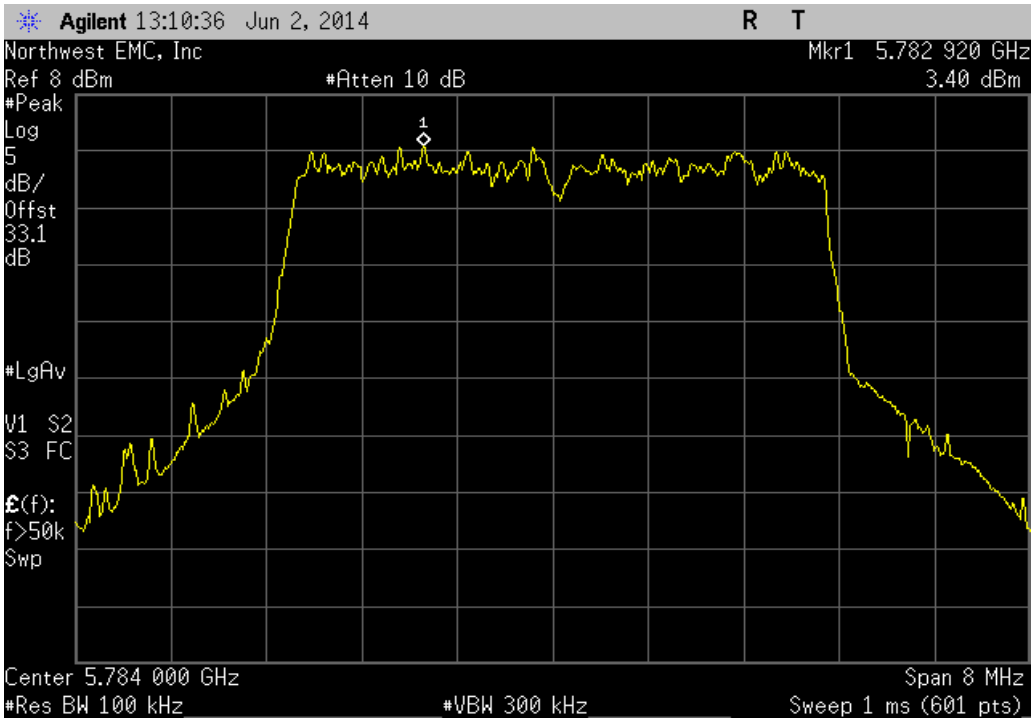


POWER SPECTRAL DENSITY - 3x3 MIMO

Chain 1 , 5725 MHz - 5850 MHz Band, 5MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., Low Channel 669, 5739MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		3.139	-15.2	-12.061	8	Pass

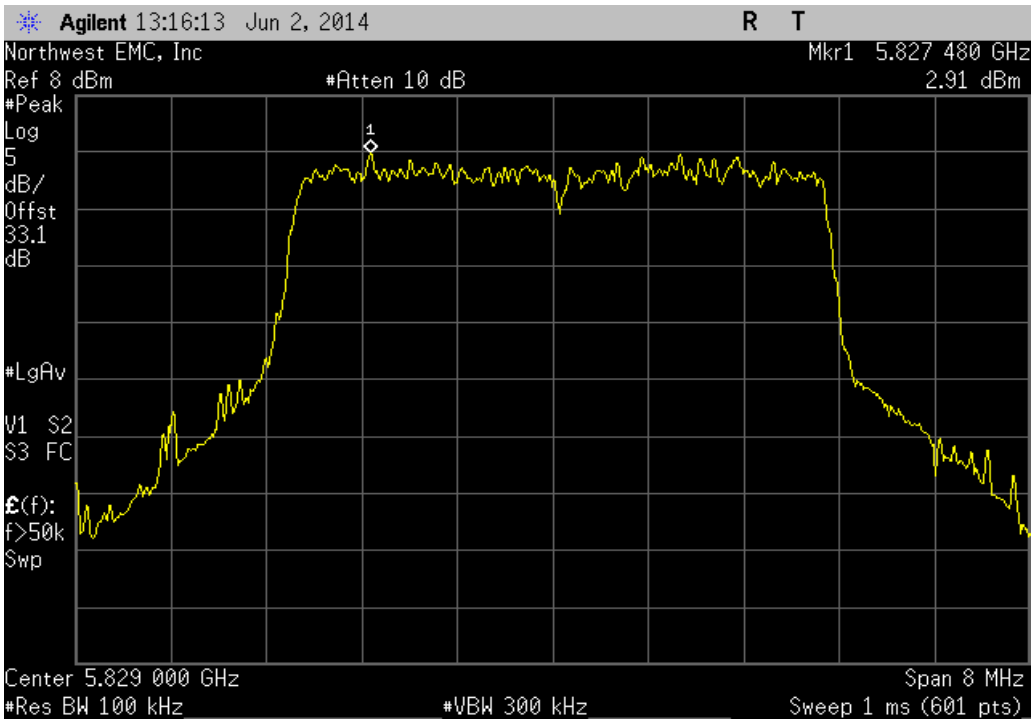


Chain 1 , 5725 MHz - 5850 MHz Band, 5MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., Mid Channel 714, 5784MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		3.397	-15.2	-11.803	8	Pass

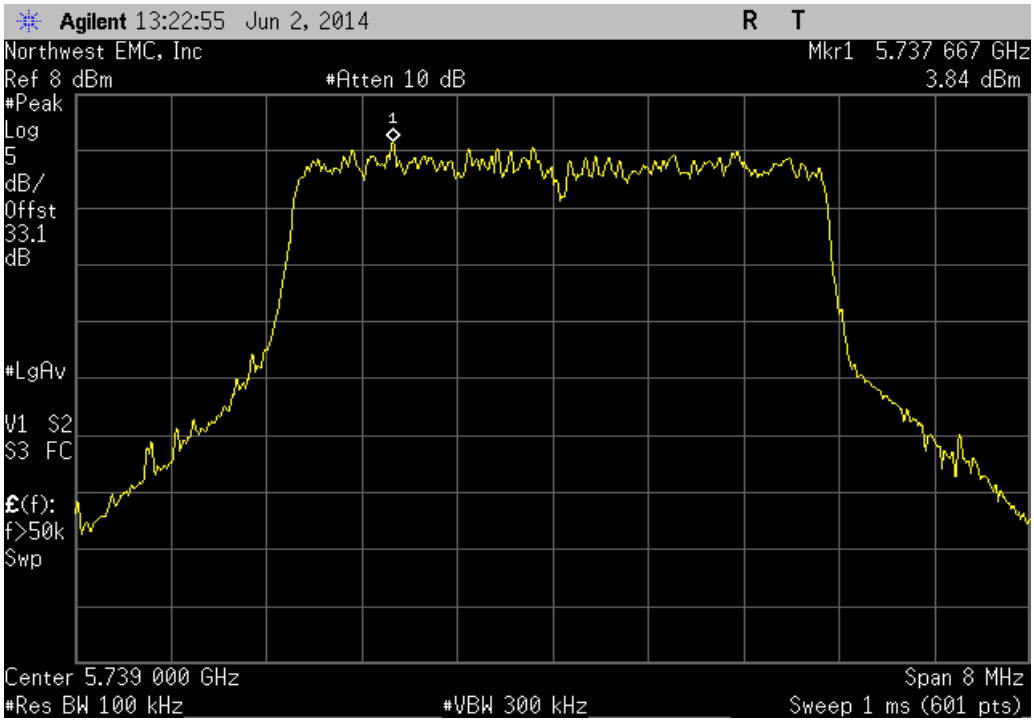


POWER SPECTRAL DENSITY - 3x3 MIMO

Chain 1 , 5725 MHz - 5850 MHz Band, 5MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., High Channel 759, 5829MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		2.912	-15.2	-12.288	8	Pass

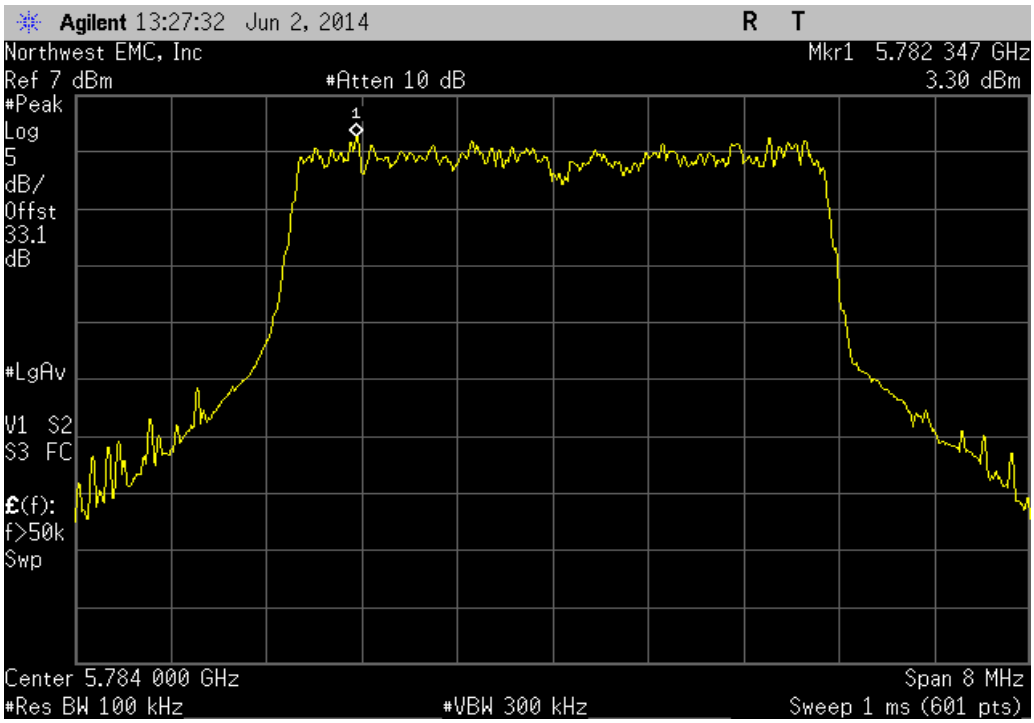


Chain 1 , 5725 MHz - 5850 MHz Band, 5MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., Low Channel 669, 5739MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		3.841	-15.2	-11.359	8	Pass

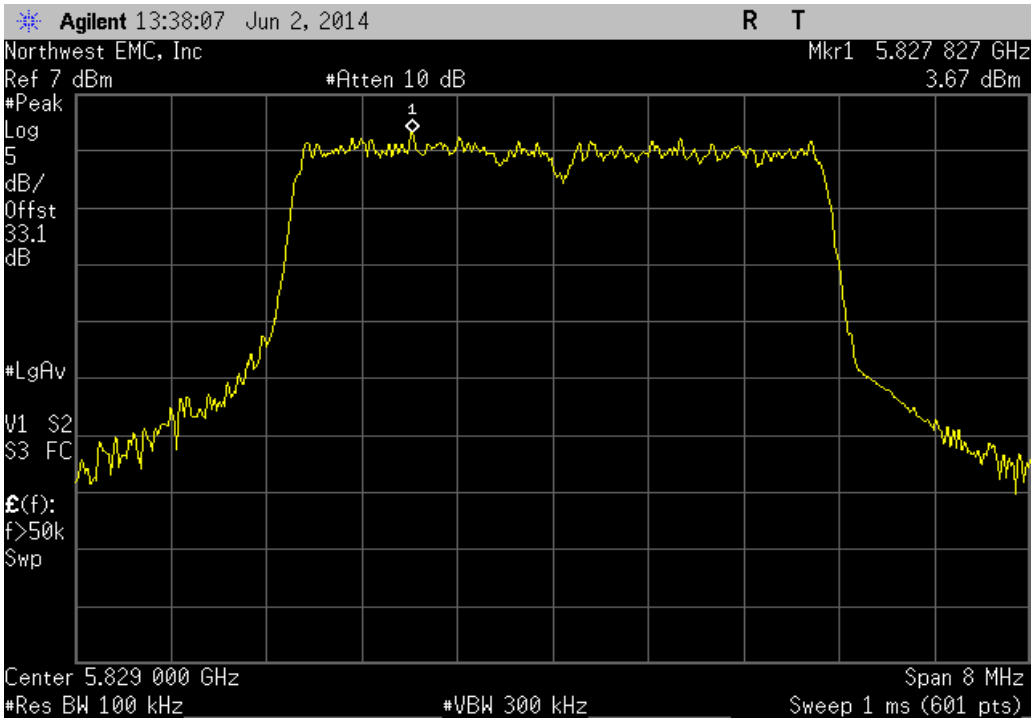


POWER SPECTRAL DENSITY - 3x3 MIMO

Chain 1 , 5725 MHz - 5850 MHz Band, 5MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., Mid Channel 714, 5784MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		3.304	-15.2	-11.896	8	Pass

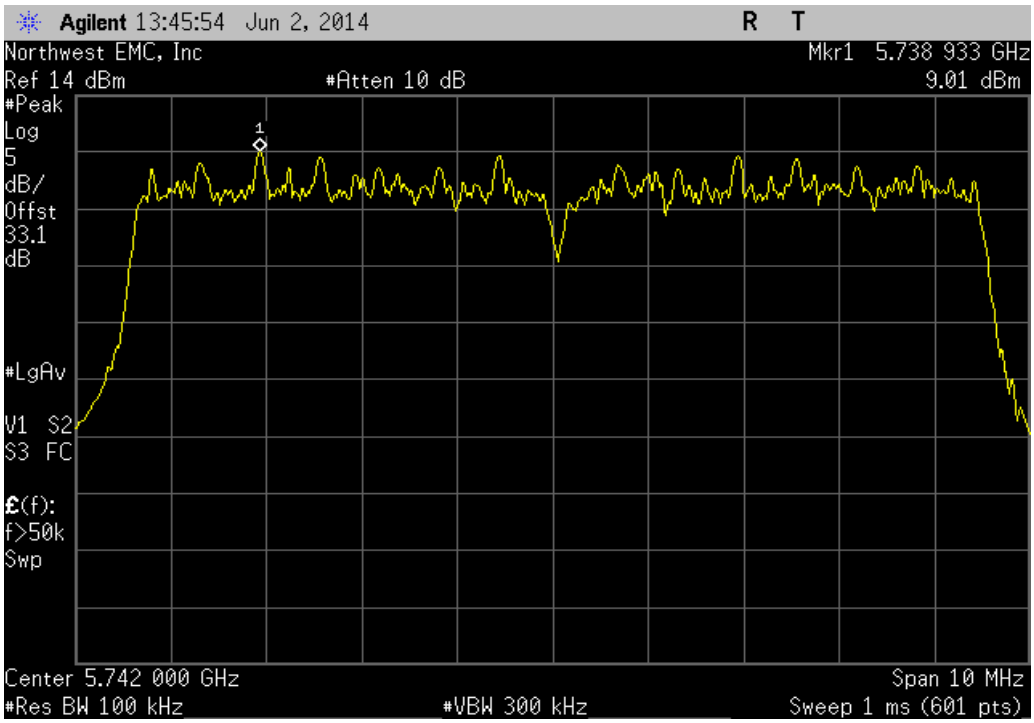


Chain 1 , 5725 MHz - 5850 MHz Band, 5MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., High Channel 759, 5829MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		3.668	-15.2	-11.532	8	Pass

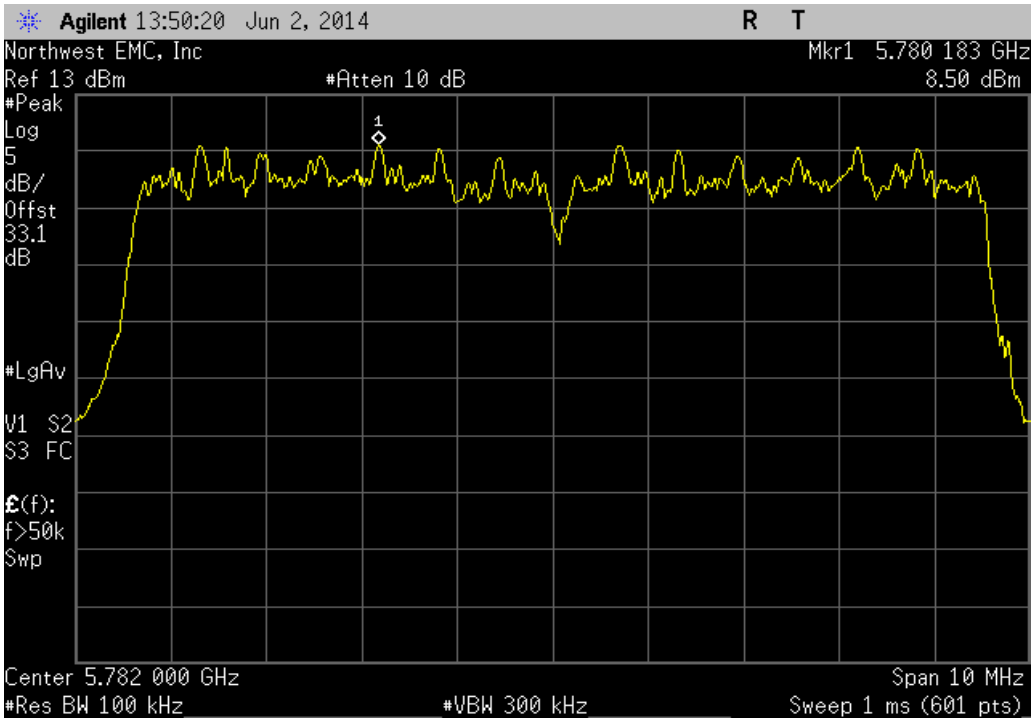


POWER SPECTRAL DENSITY - 3x3 MIMO

Chain 1 , 5725 MHz - 5850 MHz Band, 10MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., Low Channel 672, 5742MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		9.005	-15.2	-6.195	8	Pass

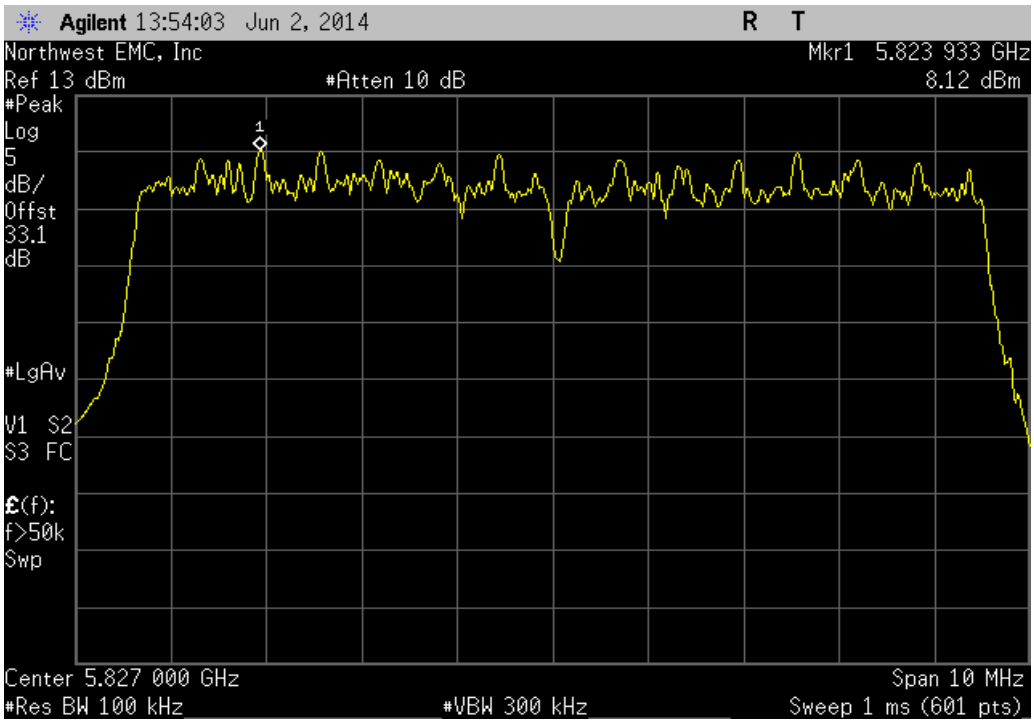


Chain 1 , 5725 MHz - 5850 MHz Band, 10MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., Mid Channel 712, 5782MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		8.498	-15.2	-6.702	8	Pass

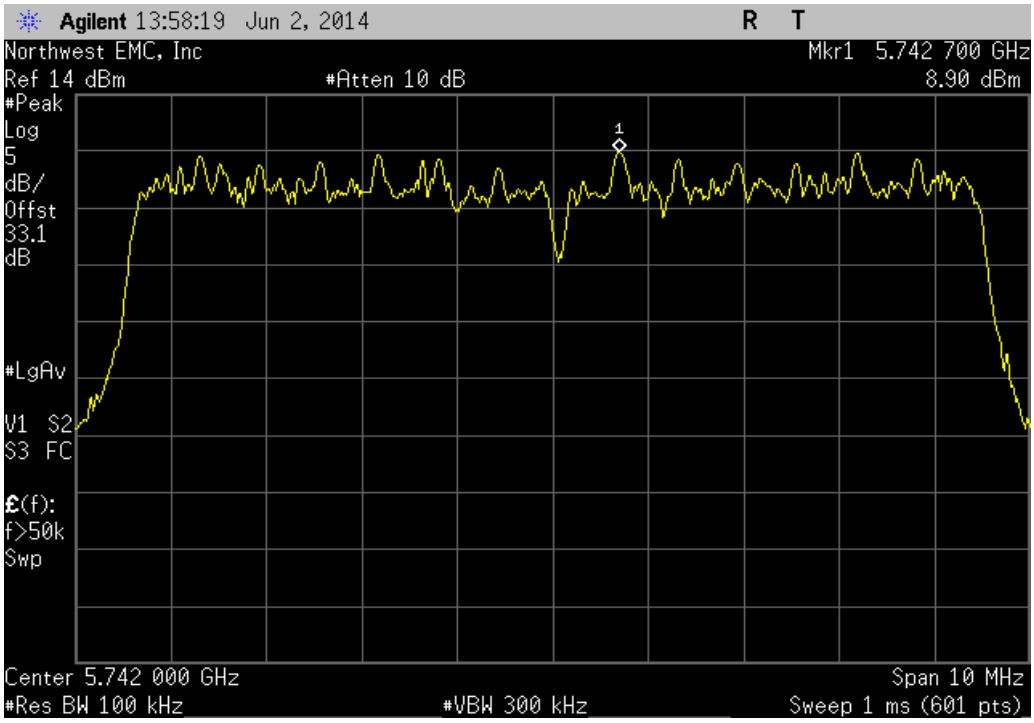


POWER SPECTRAL DENSITY - 3x3 MIMO

Chain 1 , 5725 MHz - 5850 MHz Band, 10MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., High Channel 757, 5827MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		8.12	-15.2	-7.08	8	Pass

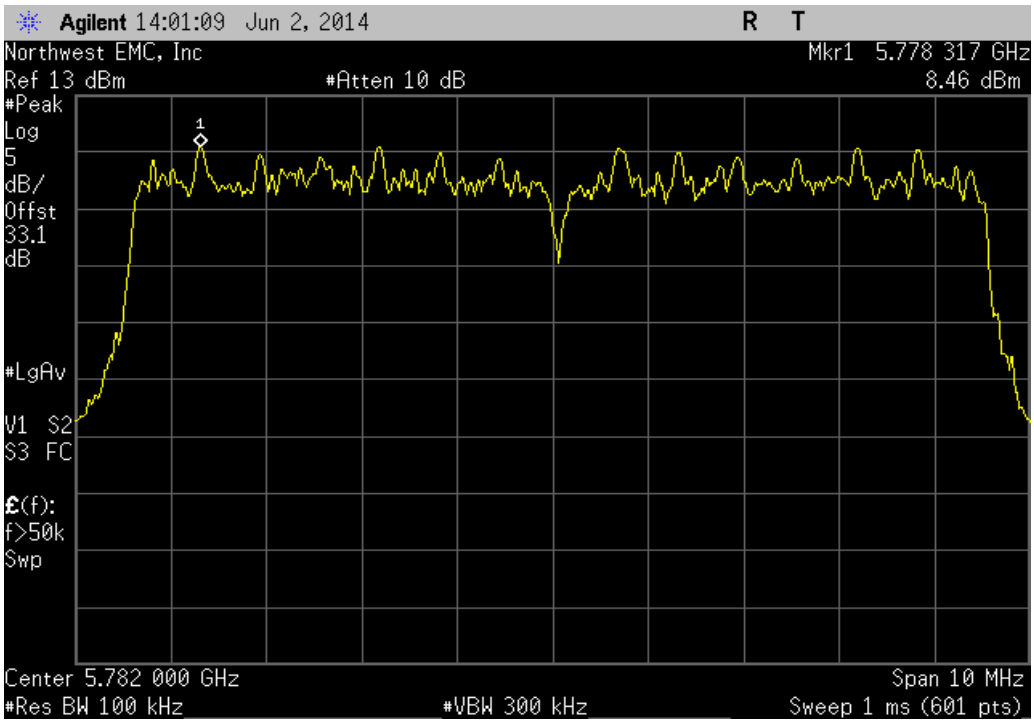


Chain 1 , 5725 MHz - 5850 MHz Band, 10MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., Low Channel 672, 5742MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		8.902	-15.2	-6.298	8	Pass

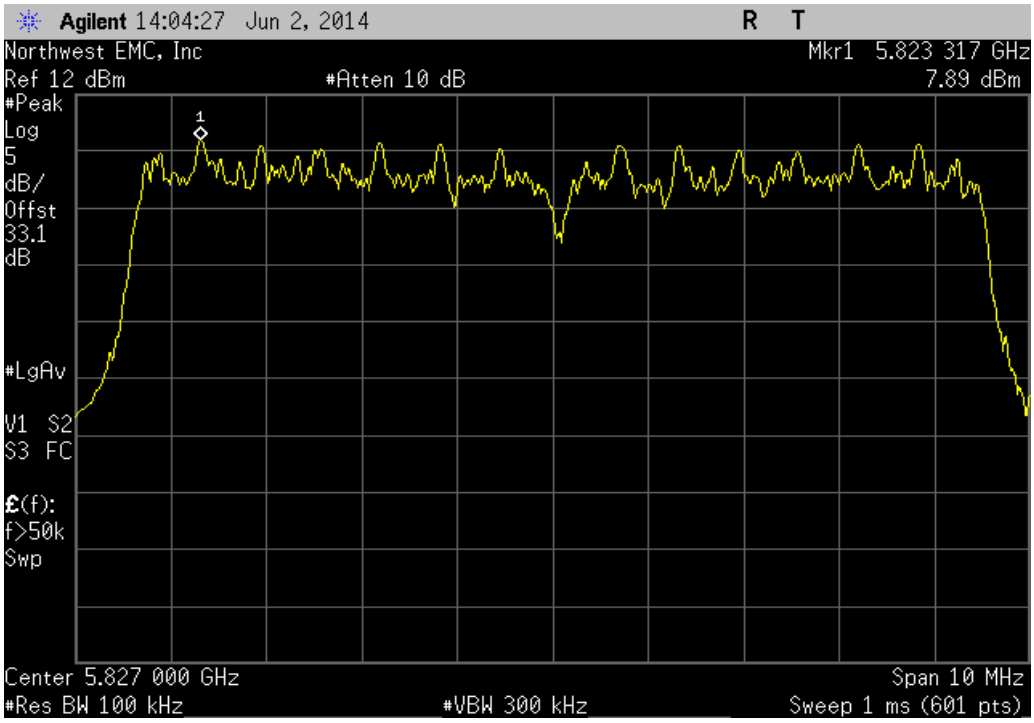


POWER SPECTRAL DENSITY - 3x3 MIMO

Chain 1 , 5725 MHz - 5850 MHz Band, 10MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., Mid Channel 712, 5782MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		8.461	-15.2	-6.739	8	Pass

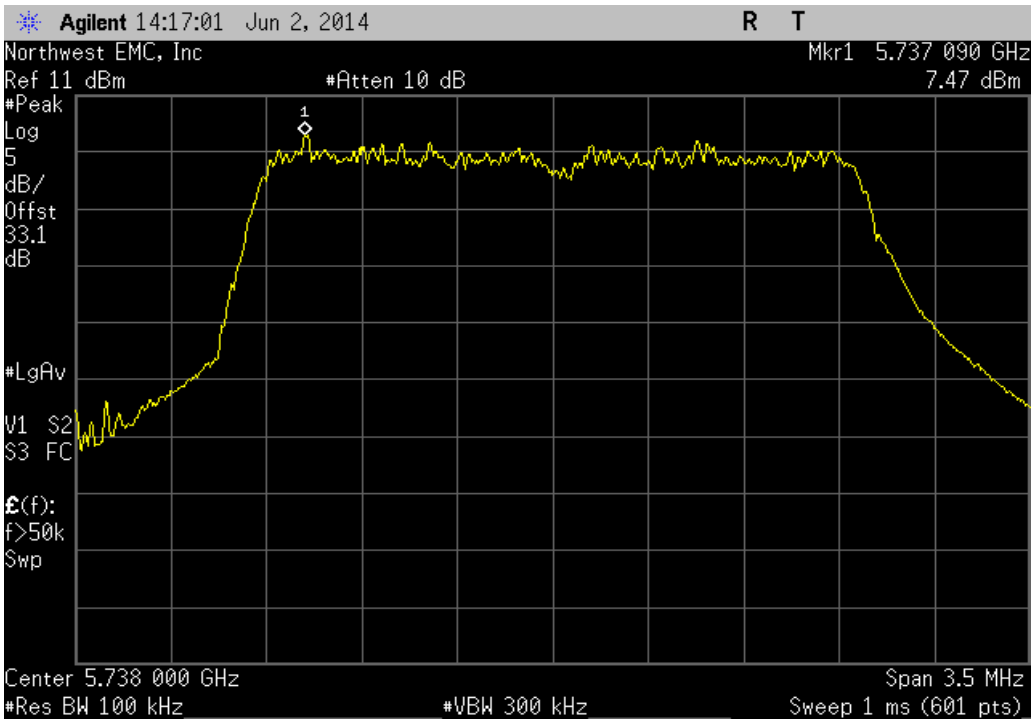


Chain 1 , 5725 MHz - 5850 MHz Band, 10MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., High Channel 757, 5827MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		7.89	-15.2	-7.31	8	Pass

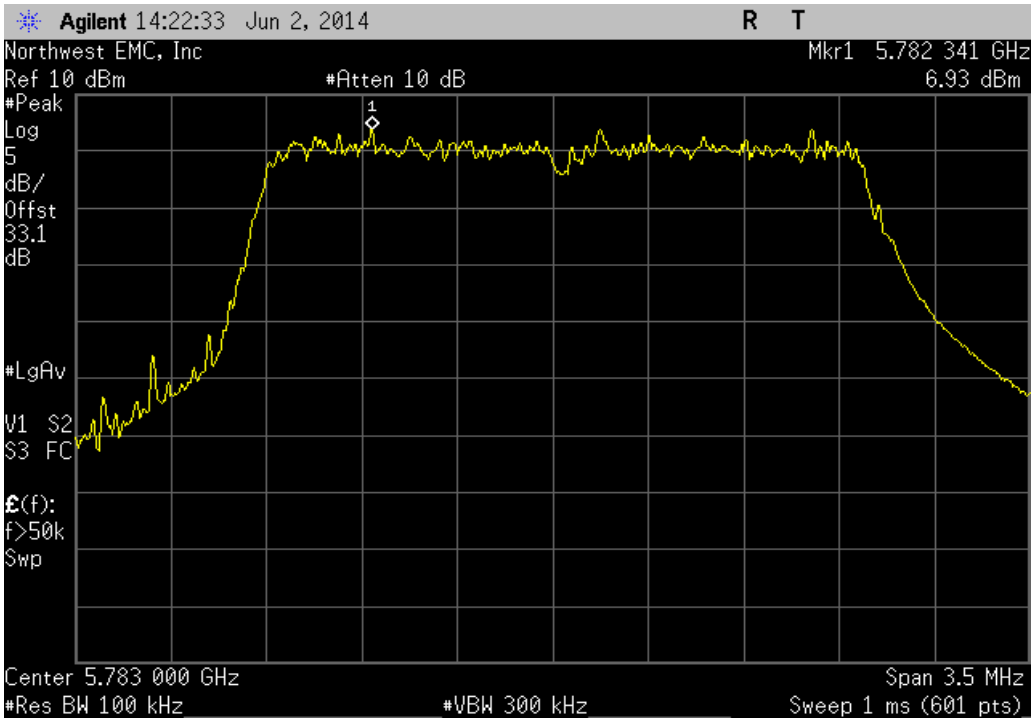


POWER SPECTRAL DENSITY - 3x3 MIMO

Chain 2, 5725 MHz - 5850 MHz Band, 2.5MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., Low Channel 668, 5738MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		7.465	-15.2	-7.735	8	Pass

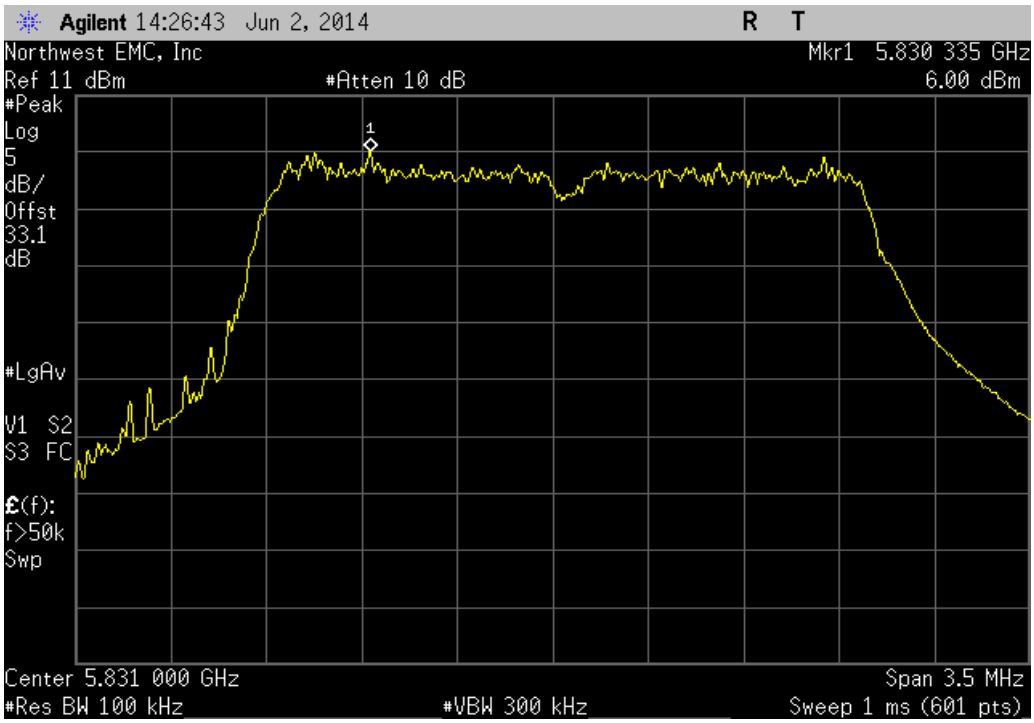


Chain 2, 5725 MHz - 5850 MHz Band, 2.5MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., Mid Channel 713, 5783MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		6.929	-15.2	-8.271	8	Pass

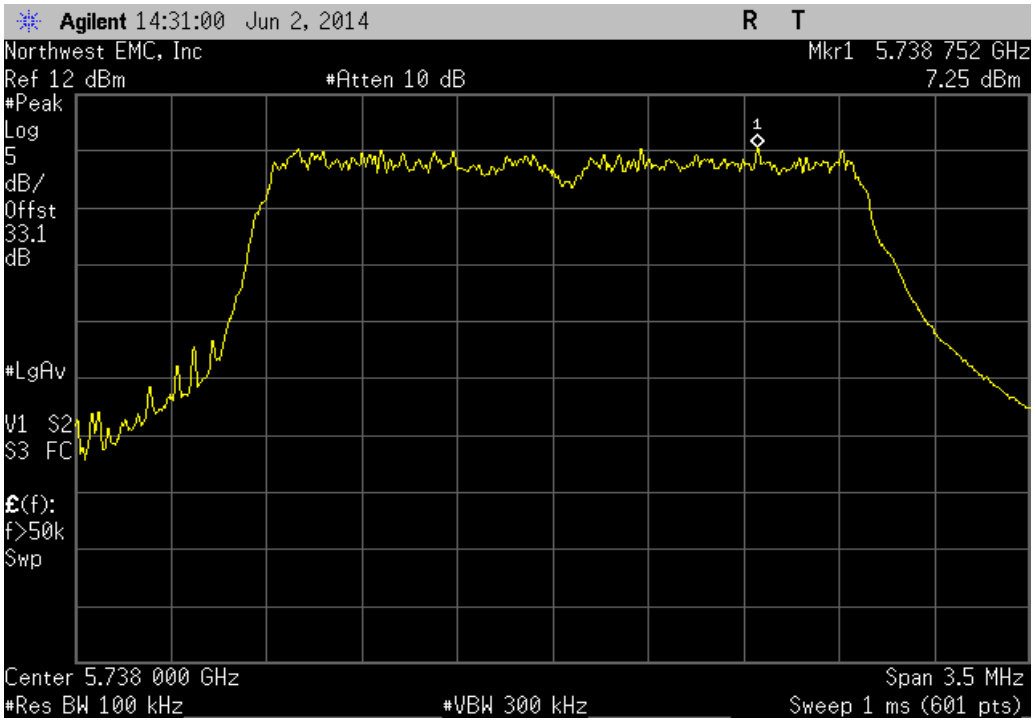


POWER SPECTRAL DENSITY - 3x3 MIMO

Chain 2, 5725 MHz - 5850 MHz Band, 2.5MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., High Channel 761, 5831MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		6.004	-15.2	-9.196	8	Pass

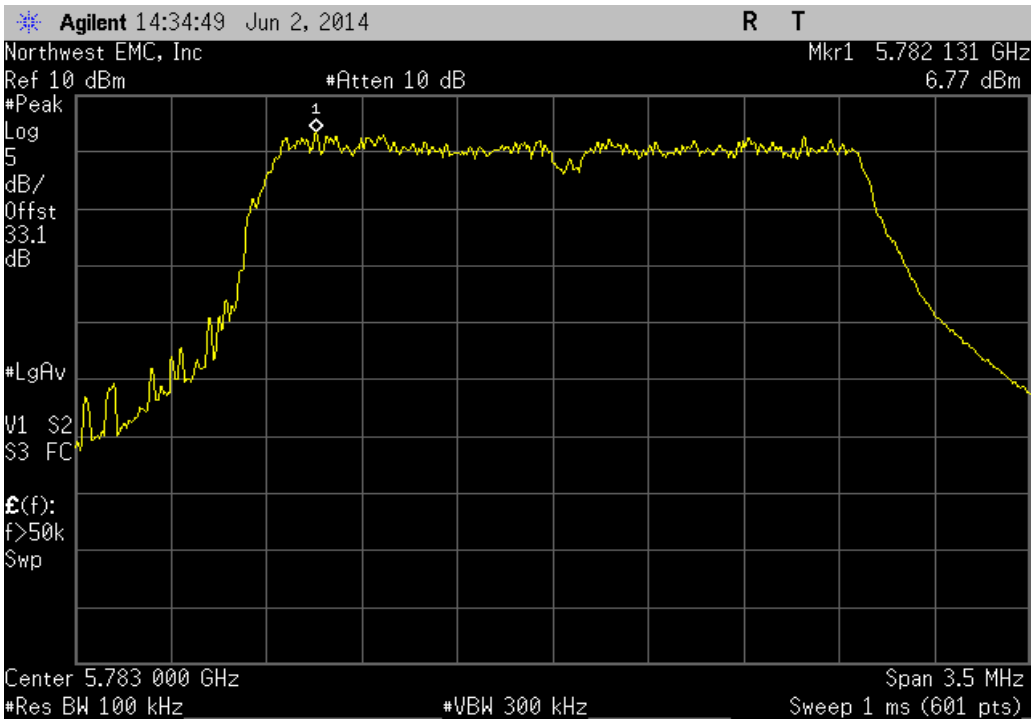


Chain 2, 5725 MHz - 5850 MHz Band, 2.5MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., Low Channel 668, 5738MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		7.251	-15.2	-7.949	8	Pass

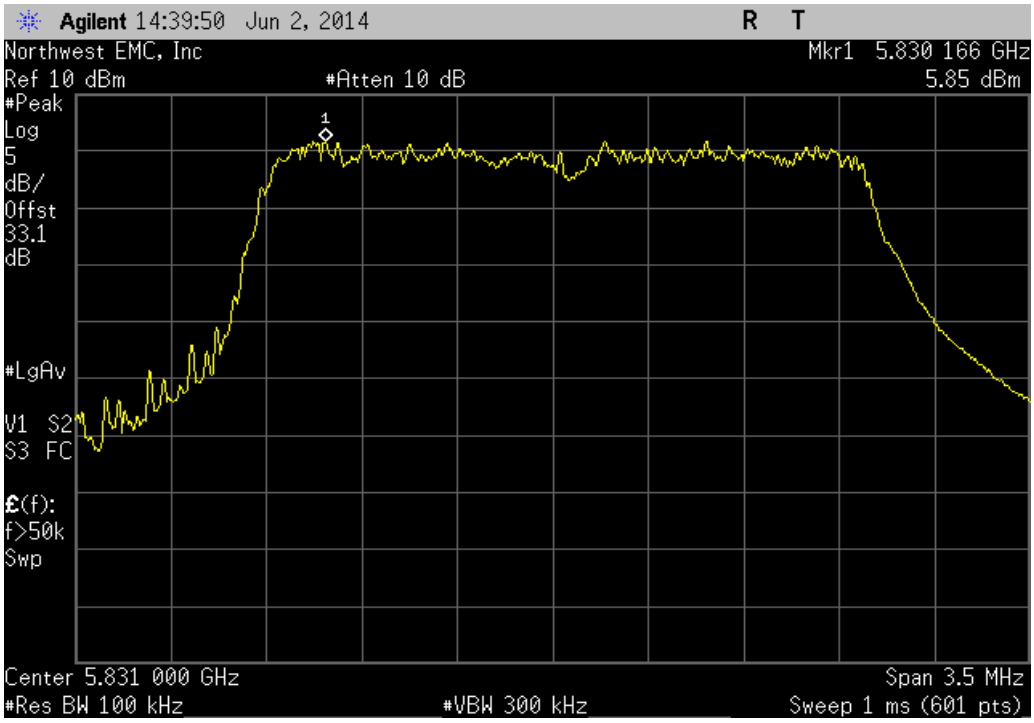


POWER SPECTRAL DENSITY - 3x3 MIMO

Chain 2, 5725 MHz - 5850 MHz Band, 2.5MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., Mid Channel 713, 5783MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		6.767	-15.2	-8.433	8	Pass

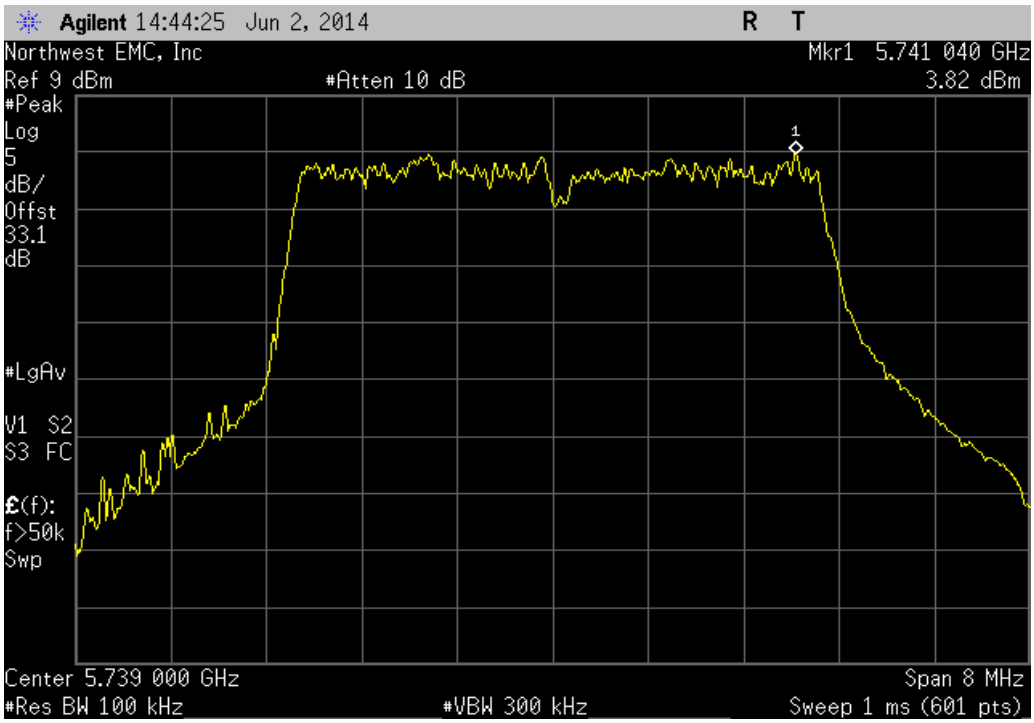


Chain 2, 5725 MHz - 5850 MHz Band, 2.5MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., High Channel 761, 5831MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		5.851	-15.2	-9.349	8	Pass

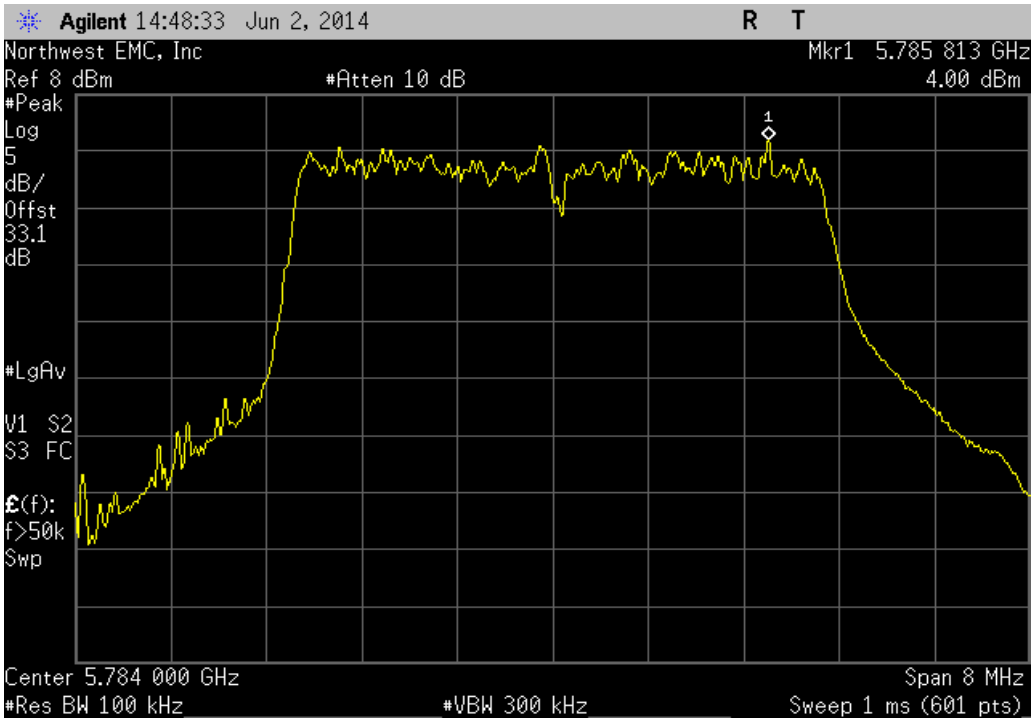


POWER SPECTRAL DENSITY - 3x3 MIMO

Chain 2, 5725 MHz - 5850 MHz Band, 5MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., Low Channel 669, 5739MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		3.822	-15.2	-11.378	8	Pass

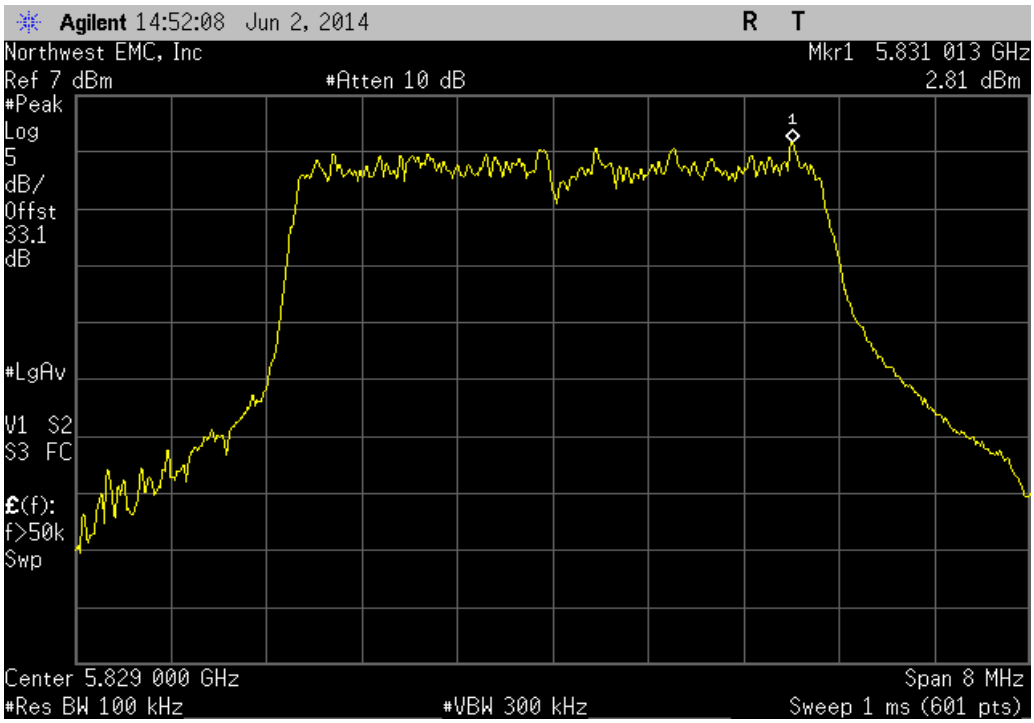


Chain 2, 5725 MHz - 5850 MHz Band, 5MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., Mid Channel 714, 5784MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		3.997	-15.2	-11.203	8	Pass

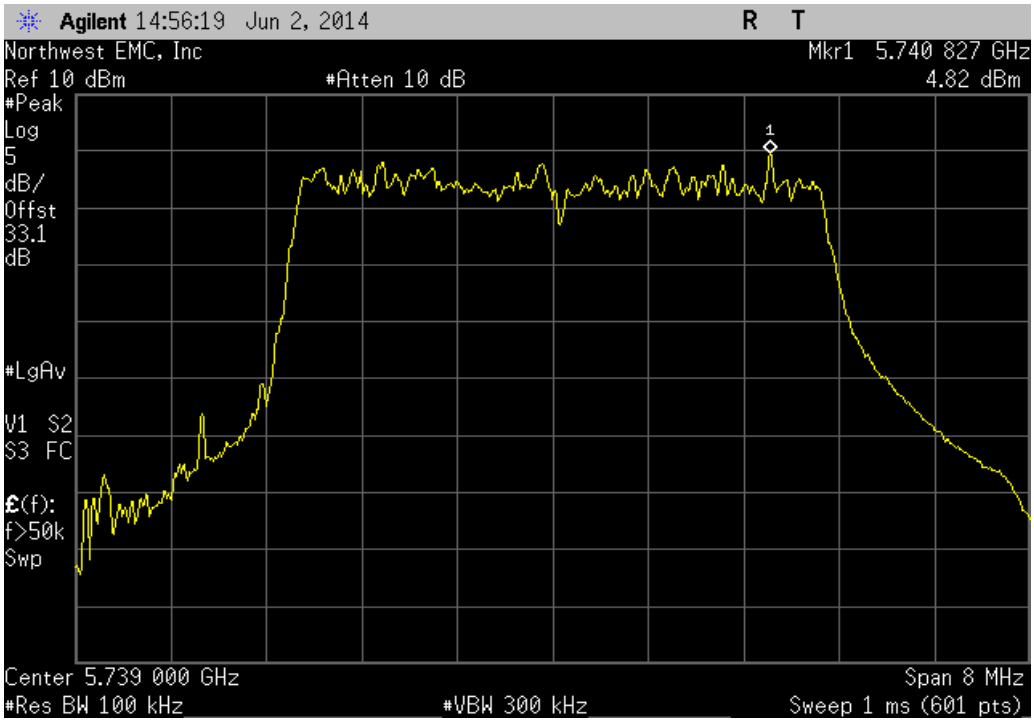


POWER SPECTRAL DENSITY - 3x3 MIMO

Chain 2, 5725 MHz - 5850 MHz Band, 5MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., High Channel 759, 5829MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		2.814	-15.2	-12.386	8	Pass

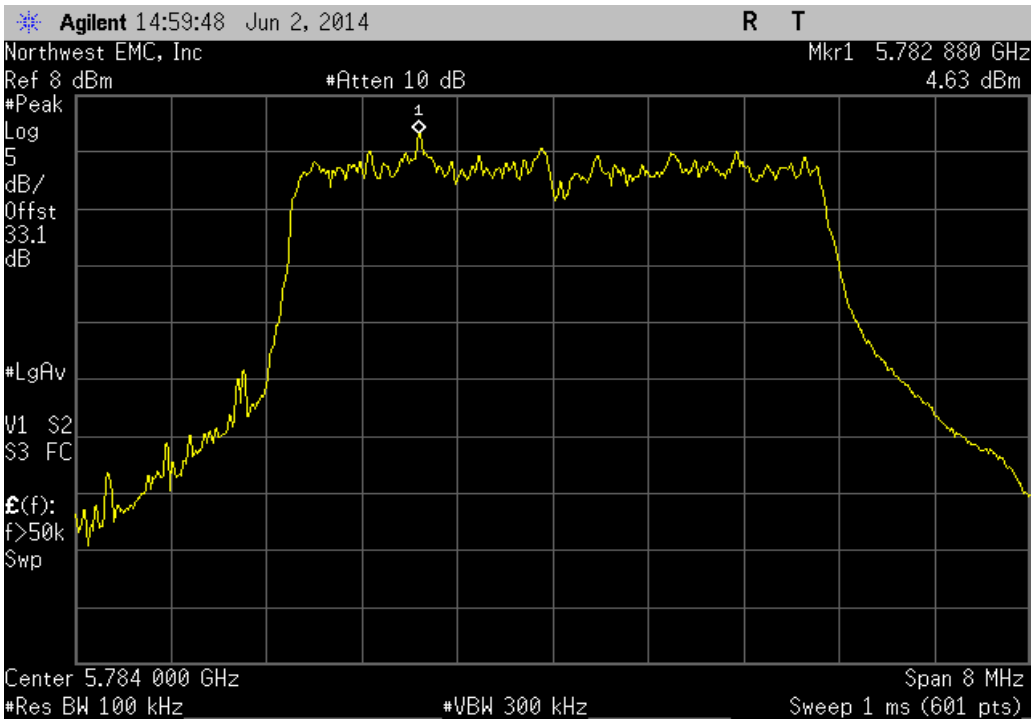


Chain 2, 5725 MHz - 5850 MHz Band, 5MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., Low Channel 669, 5739MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		4.818	-15.2	-10.382	8	Pass

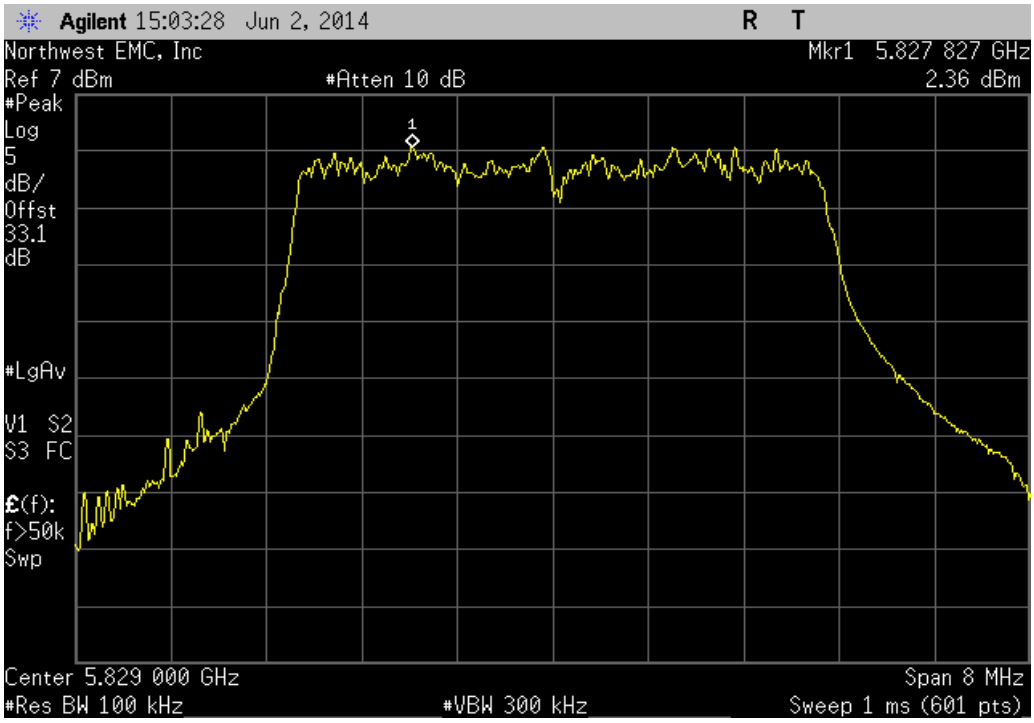


POWER SPECTRAL DENSITY - 3x3 MIMO

Chain 2, 5725 MHz - 5850 MHz Band, 5MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., Mid Channel 714, 5784MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		4.628	-15.2	-10.572	8	Pass

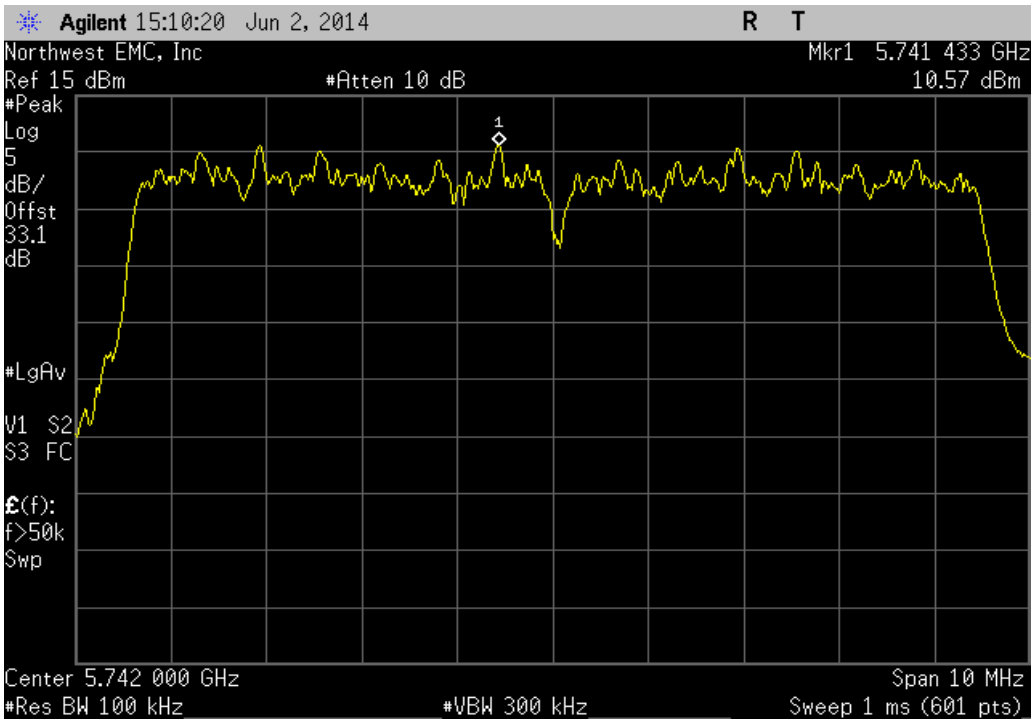


Chain 2, 5725 MHz - 5850 MHz Band, 5MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., High Channel 759, 5829MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		2.356	-15.2	-12.844	8	Pass

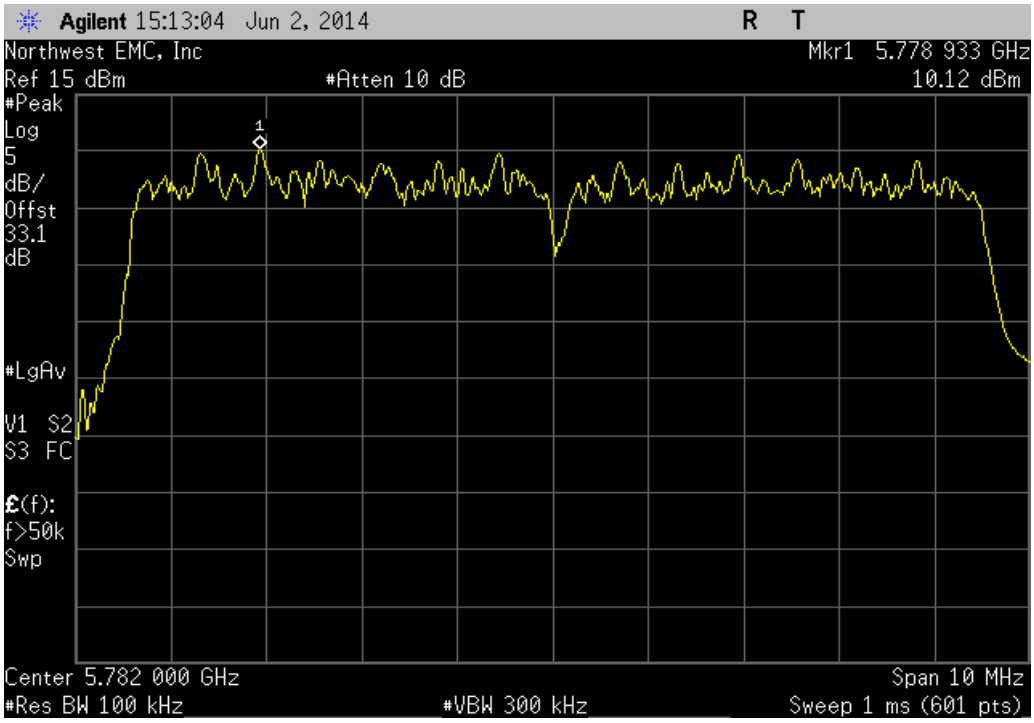


POWER SPECTRAL DENSITY - 3x3 MIMO

Chain 2, 5725 MHz - 5850 MHz Band, 10MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., Low Channel 672, 5742MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		10.574	-15.2	-4.626	8	Pass

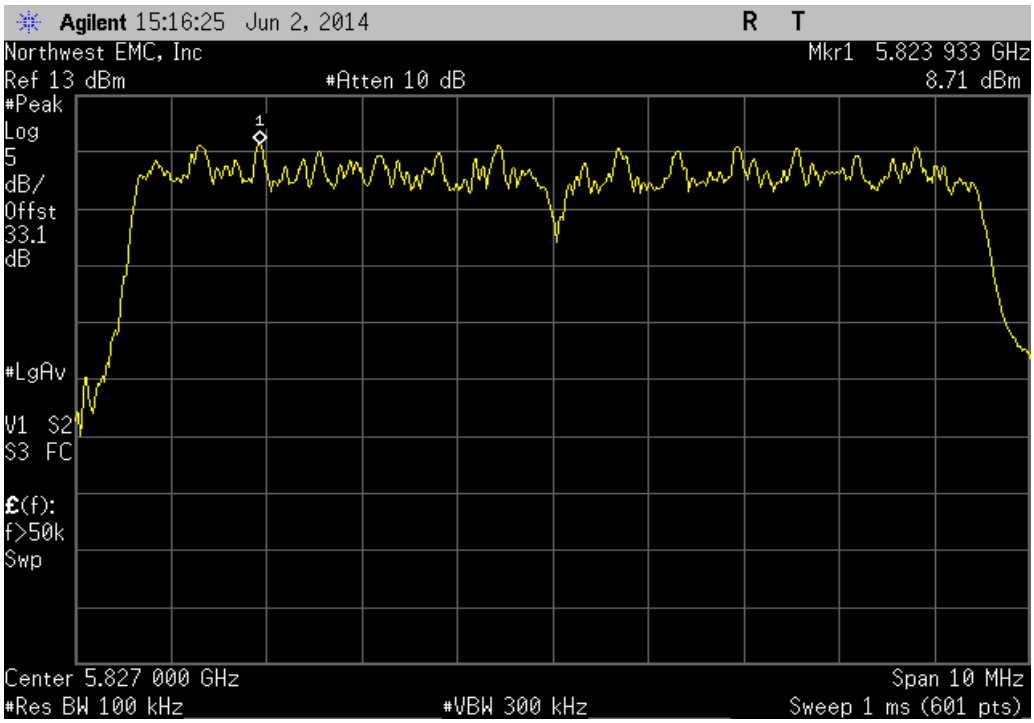


Chain 2, 5725 MHz - 5850 MHz Band, 10MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., Mid Channel 712, 5782MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		10.117	-15.2	-5.083	8	Pass

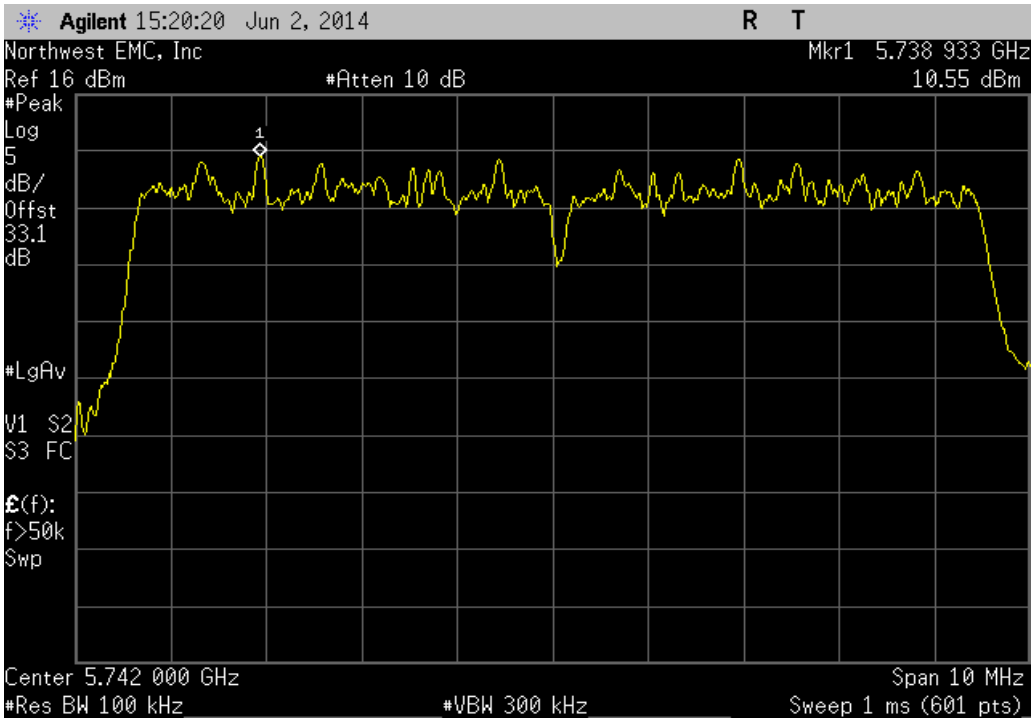


POWER SPECTRAL DENSITY - 3x3 MIMO

Chain 2, 5725 MHz - 5850 MHz Band, 10MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., High Channel 757, 5827MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		8.706	-15.2	-6.494	8	Pass

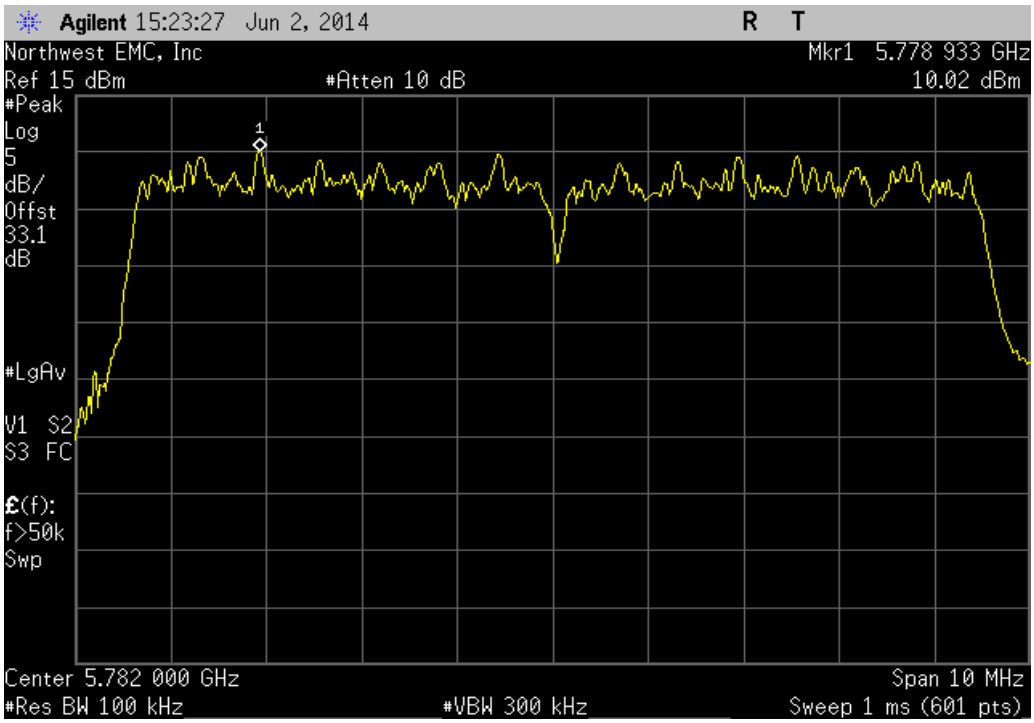


Chain 2, 5725 MHz - 5850 MHz Band, 10MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., Low Channel 672, 5742MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		10.551	-15.2	-4.649	8	Pass

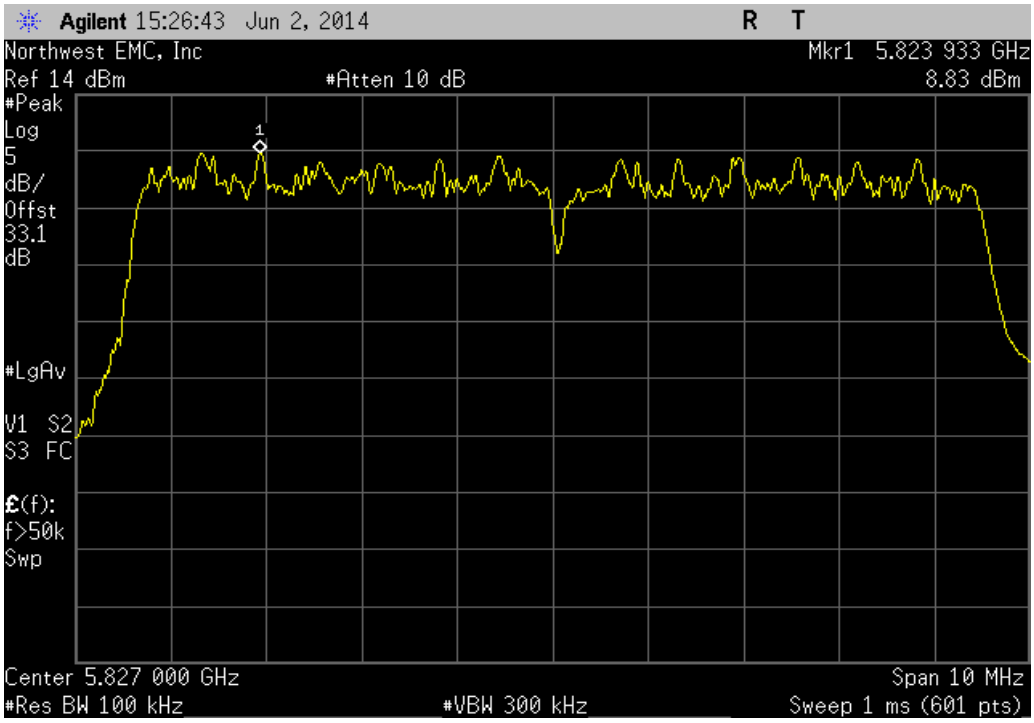


POWER SPECTRAL DENSITY - 3x3 MIMO

Chain 2, 5725 MHz - 5850 MHz Band, 10MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., Mid Channel 712, 5782MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		10.023	-15.2	-5.177	8	Pass

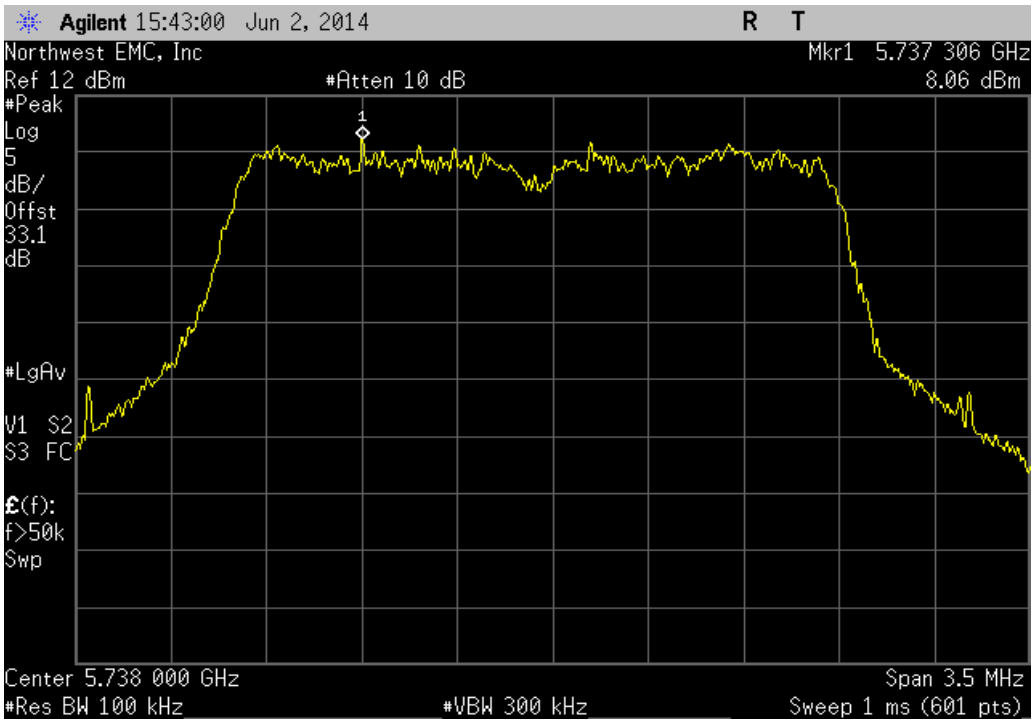


Chain 2, 5725 MHz - 5850 MHz Band, 10MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., High Channel 757, 5827MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		8.826	-15.2	-6.374	8	Pass

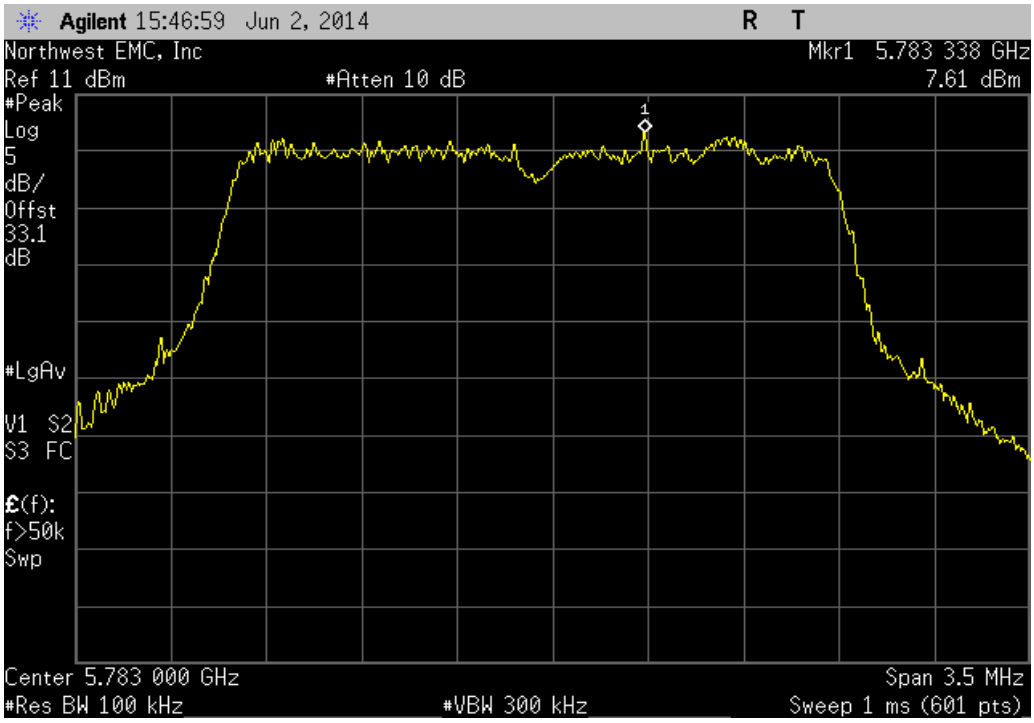


POWER SPECTRAL DENSITY - 3x3 MIMO

Chain 3, 5725 MHz - 5850 MHz Band, 2.5MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., Low Channel 668, 5738MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		8.064	-15.2	-7.136	8	Pass

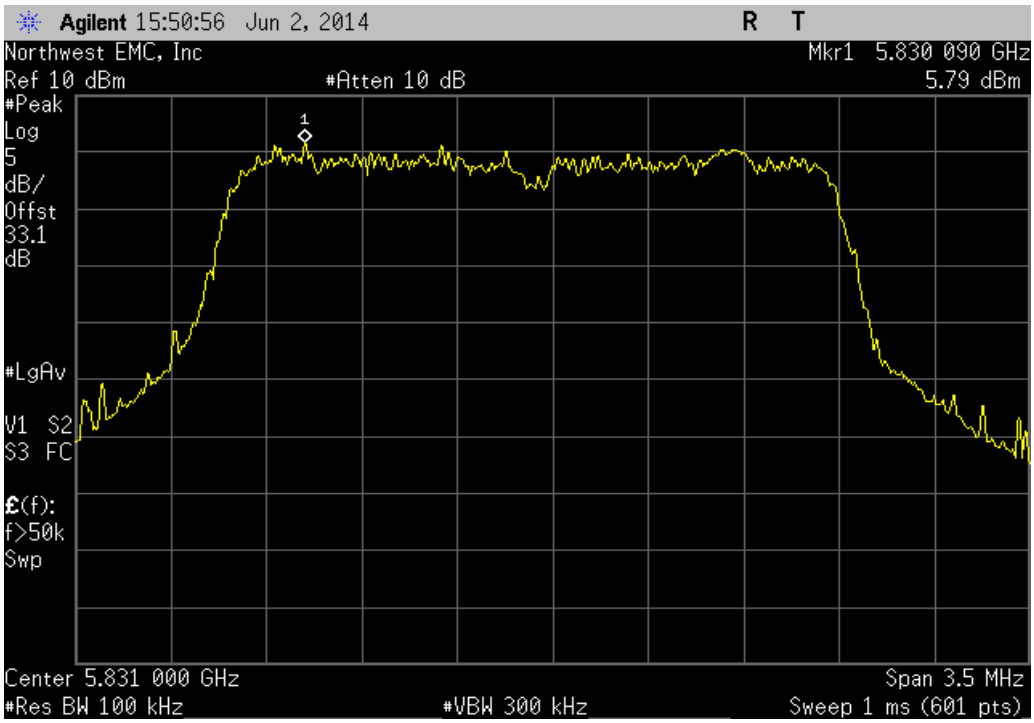


Chain 3, 5725 MHz - 5850 MHz Band, 2.5MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., Mid Channel 713, 5783MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		7.611	-15.2	-7.589	8	Pass

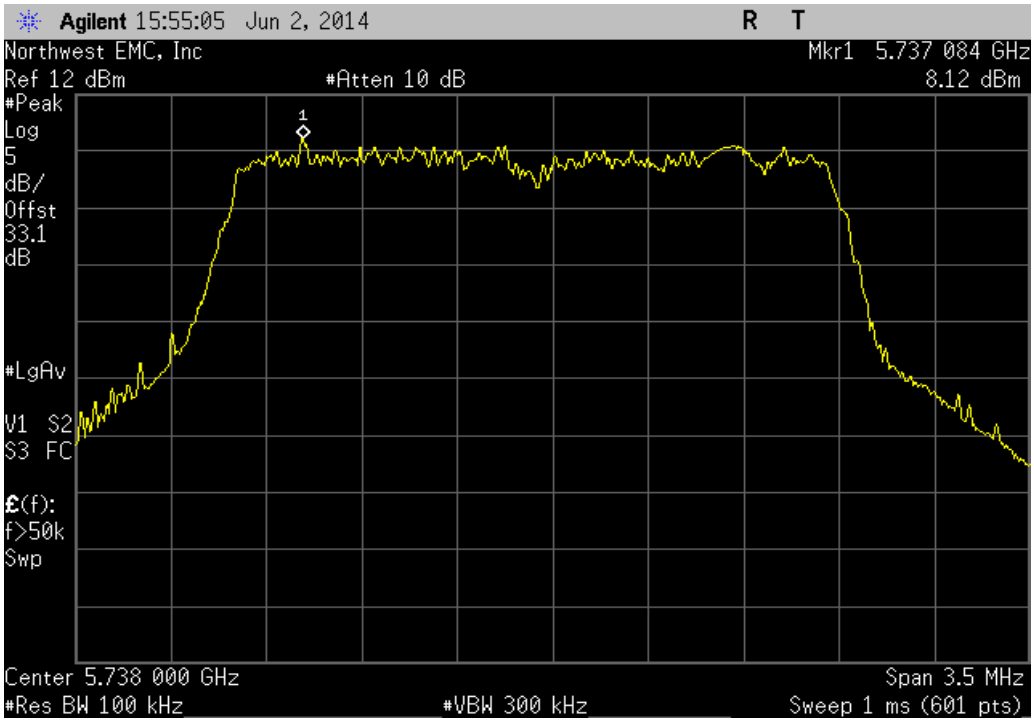


POWER SPECTRAL DENSITY - 3x3 MIMO

Chain 3, 5725 MHz - 5850 MHz Band, 2.5MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., High Channel 761, 5831MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		5.788	-15.2	-9.412	8	Pass

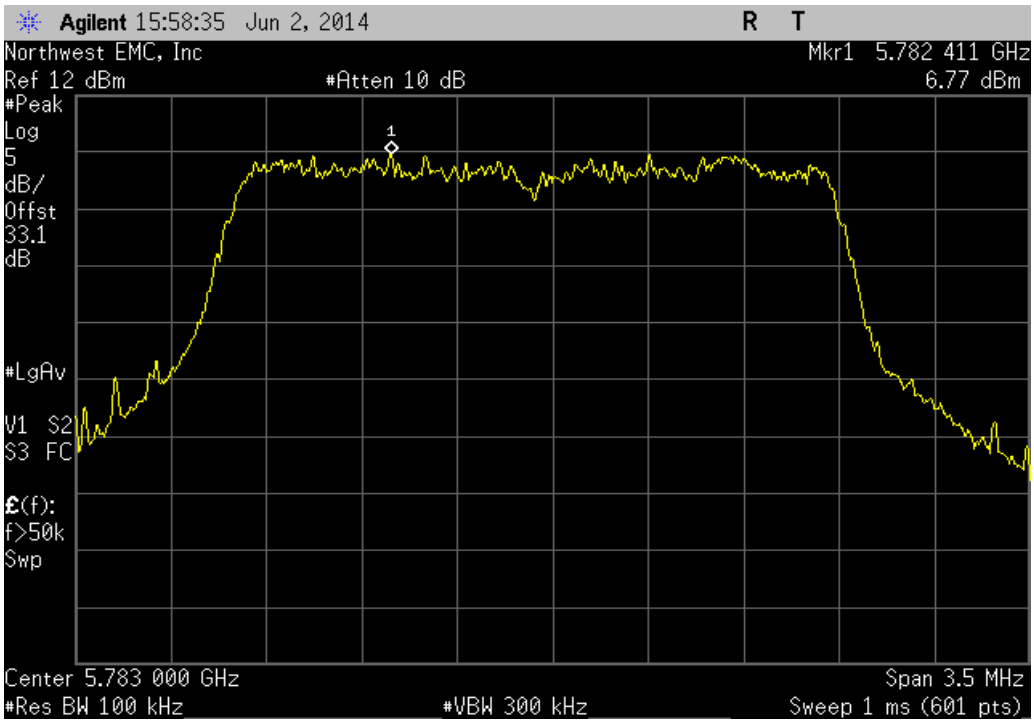


Chain 3, 5725 MHz - 5850 MHz Band, 2.5MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., Low Channel 668, 5738MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		8.116	-15.2	-7.084	8	Pass

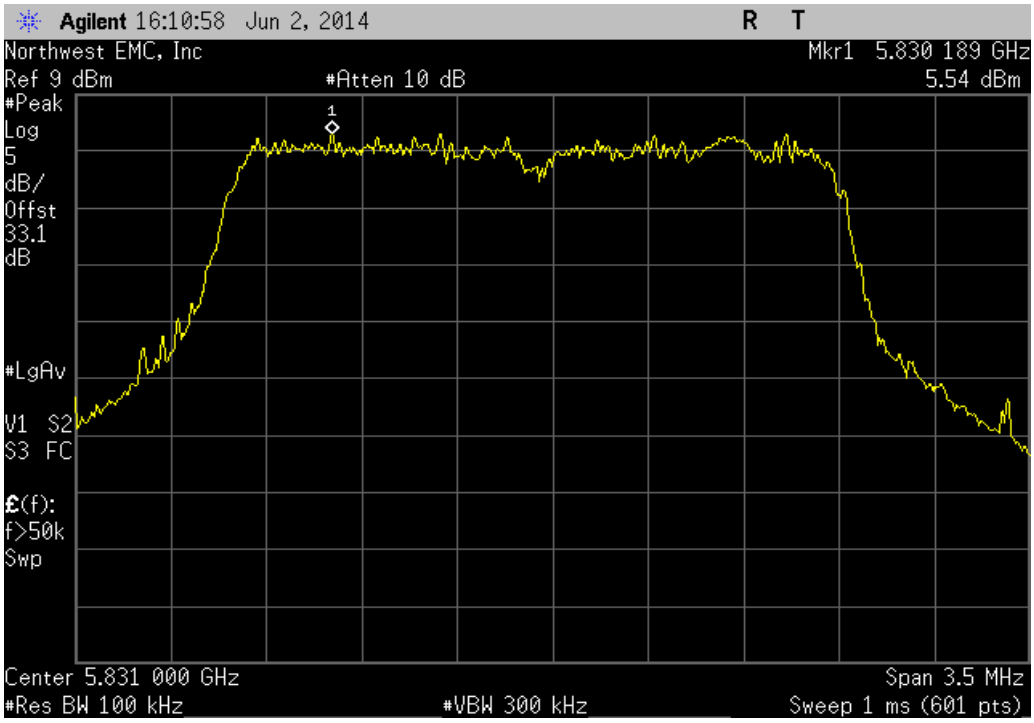


POWER SPECTRAL DENSITY - 3x3 MIMO

Chain 3, 5725 MHz - 5850 MHz Band, 2.5MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., Mid Channel 713, 5783MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		6.766	-15.2	-8.434	8	Pass

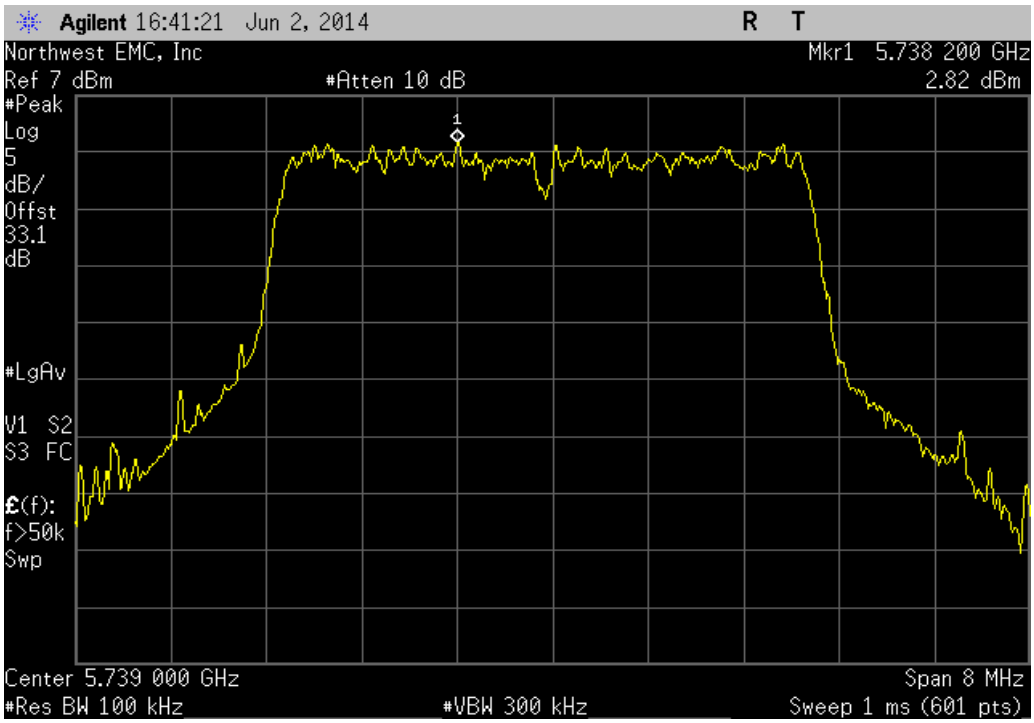


Chain 3, 5725 MHz - 5850 MHz Band, 2.5MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., High Channel 761, 5831MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		5.537	-15.2	-9.663	8	Pass

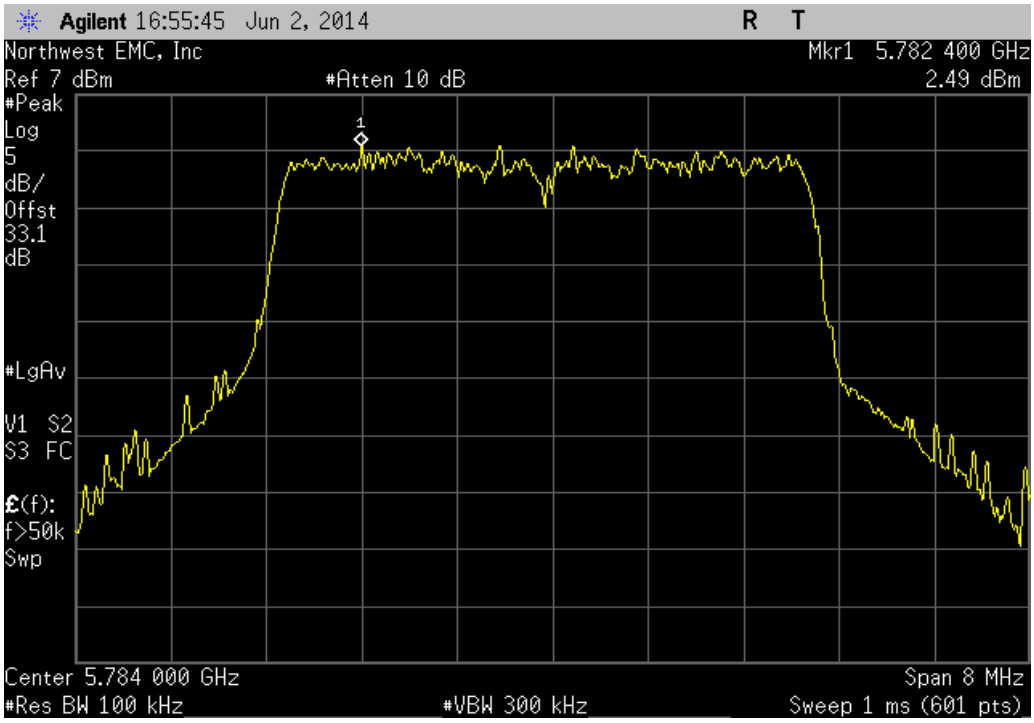


POWER SPECTRAL DENSITY - 3x3 MIMO

Chain 3, 5725 MHz - 5850 MHz Band, 5MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., Low Channel 669, 5739MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		2.824	-15.2	-12.376	8	Pass

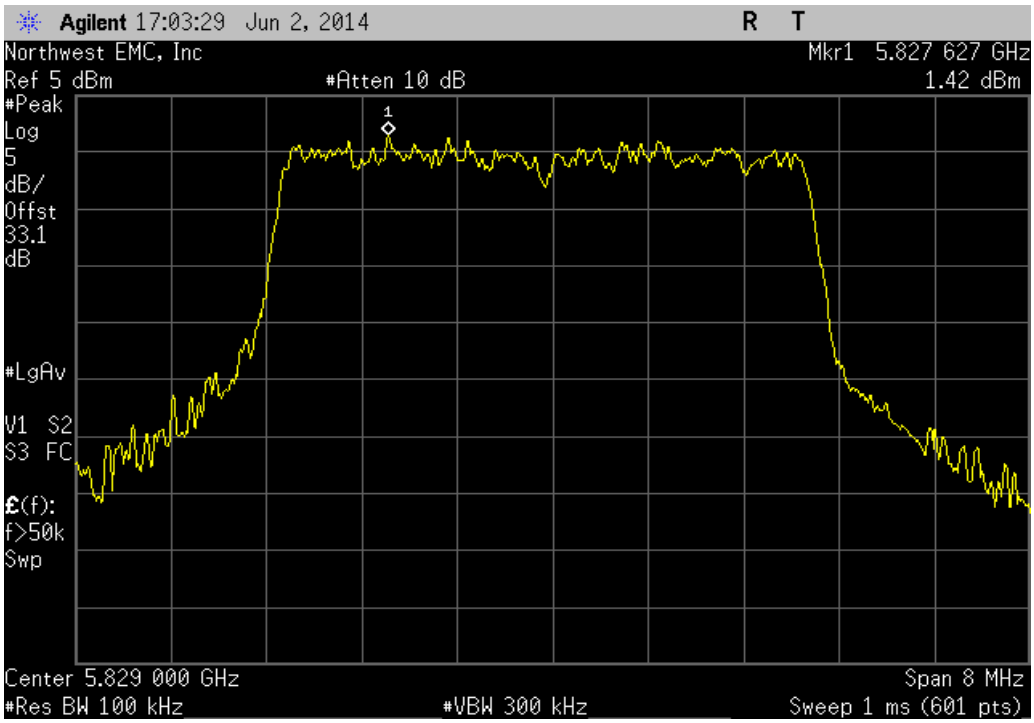


Chain 3, 5725 MHz - 5850 MHz Band, 5MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., Mid Channel 714, 5784MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		2.492	-15.2	-12.708	8	Pass

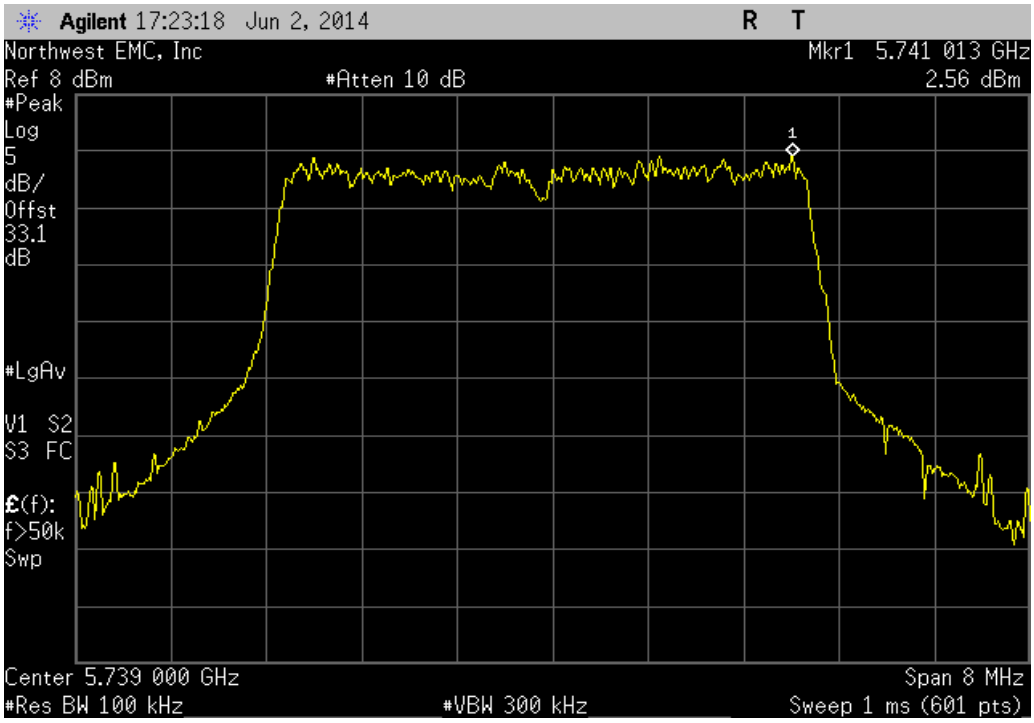


POWER SPECTRAL DENSITY - 3x3 MIMO

Chain 3, 5725 MHz - 5850 MHz Band, 5MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., High Channel 759, 5829MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		1.423	-15.2	-13.777	8	Pass

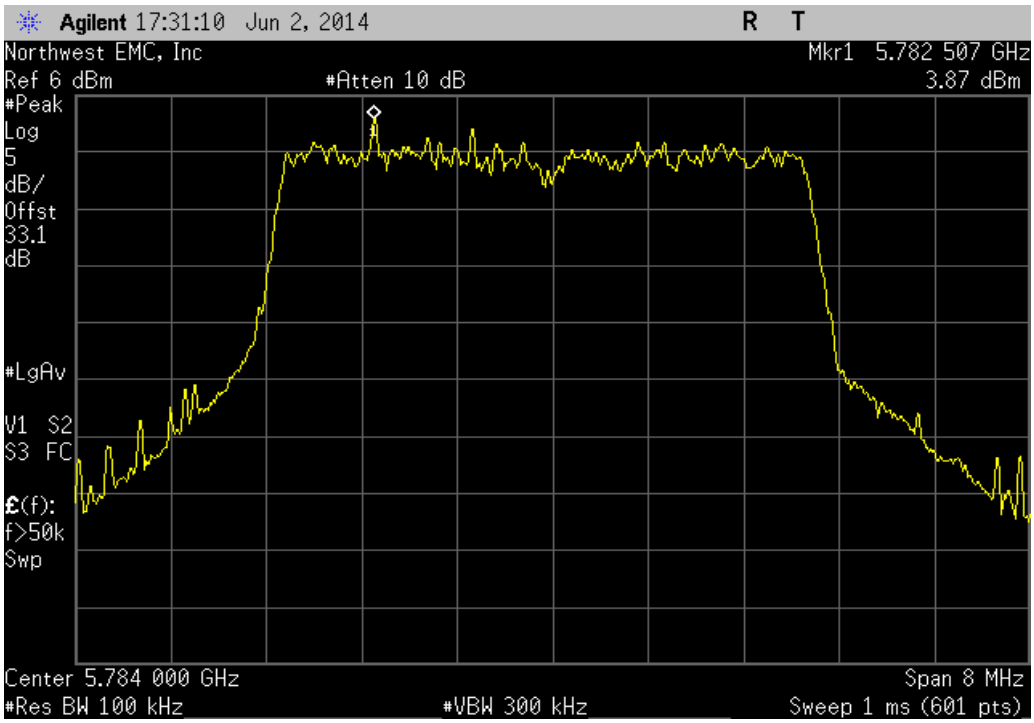


Chain 3, 5725 MHz - 5850 MHz Band, 5MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., Low Channel 669, 5739MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		2.561	-15.2	-12.639	8	Pass

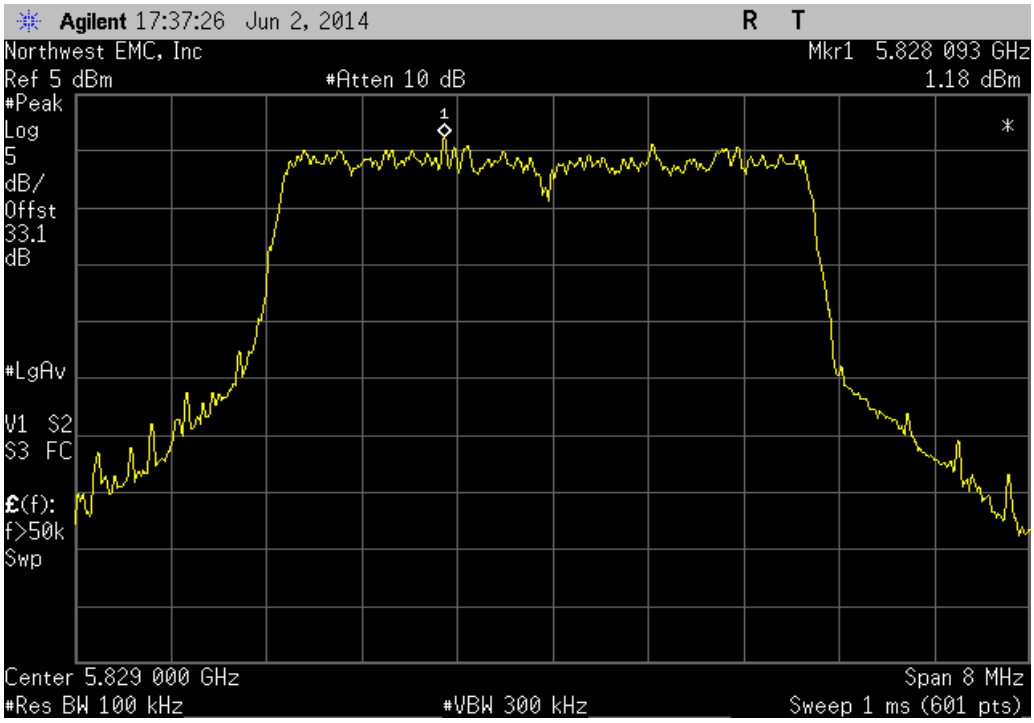


POWER SPECTRAL DENSITY - 3x3 MIMO

Chain 3, 5725 MHz - 5850 MHz Band, 5MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., Mid Channel 714, 5784MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		3.873	-15.2	-11.327	8	Pass

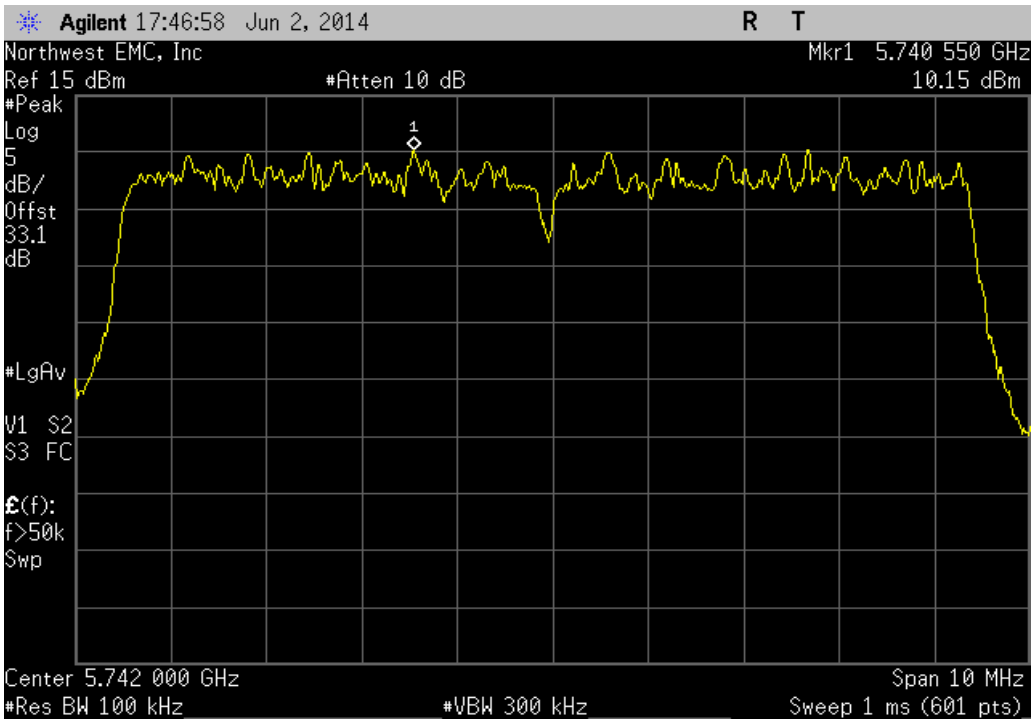


Chain 3, 5725 MHz - 5850 MHz Band, 5MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., High Channel 759, 5829MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		1.177	-15.2	-14.023	8	Pass

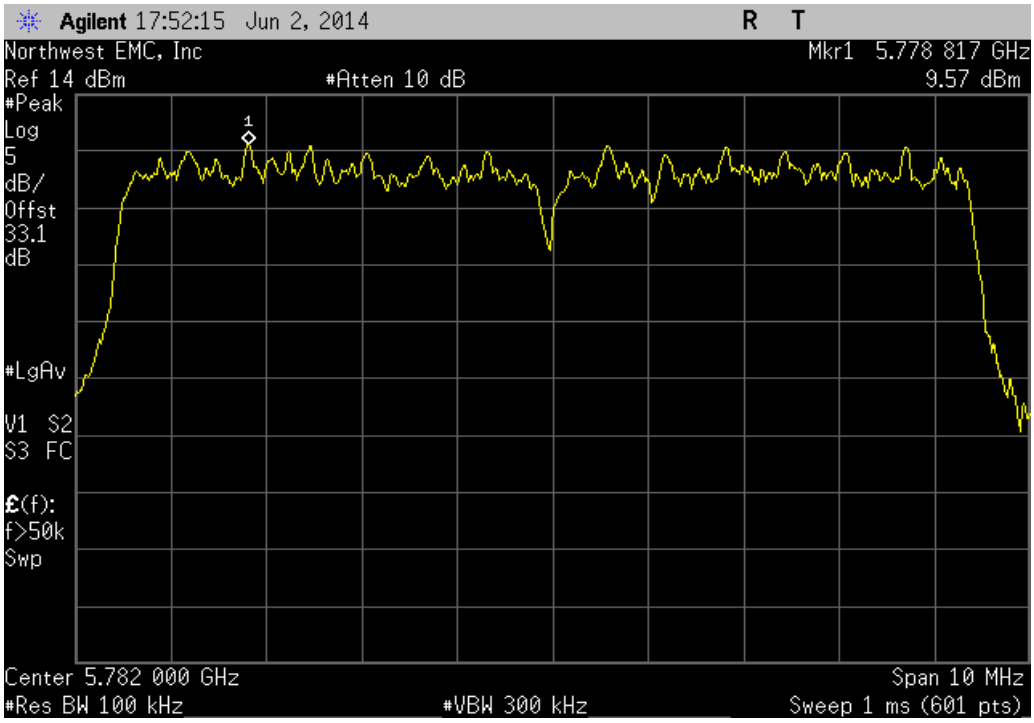


POWER SPECTRAL DENSITY - 3x3 MIMO

Chain 3, 5725 MHz - 5850 MHz Band, 10MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., Low Channel 672, 5742MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		10.15	-15.2	-5.05	8	Pass

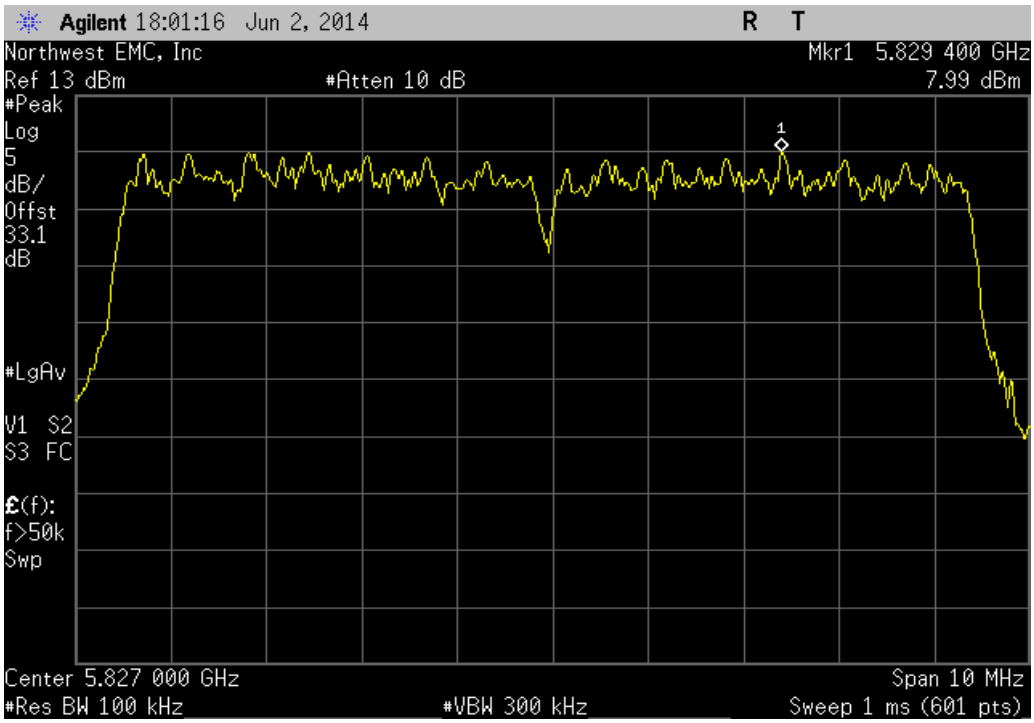


Chain 3, 5725 MHz - 5850 MHz Band, 10MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., Mid Channel 712, 5782MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		9.566	-15.2	-5.634	8	Pass

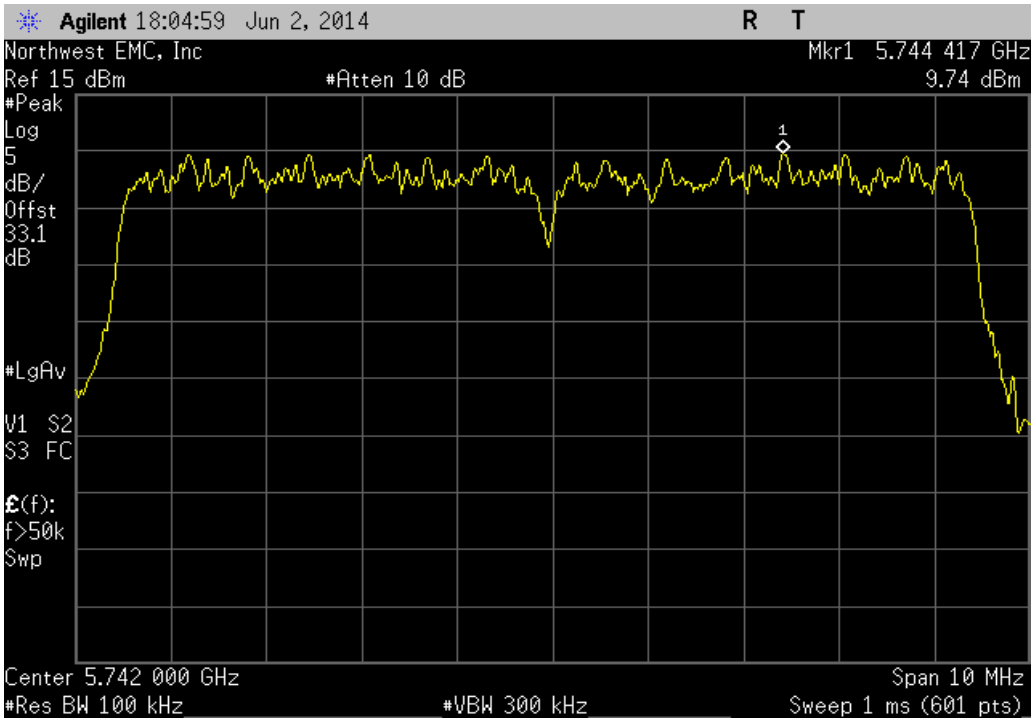


POWER SPECTRAL DENSITY - 3x3 MIMO

Chain 3, 5725 MHz - 5850 MHz Band, 10MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., High Channel 757, 5827MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		7.993	-15.2	-7.207	8	Pass

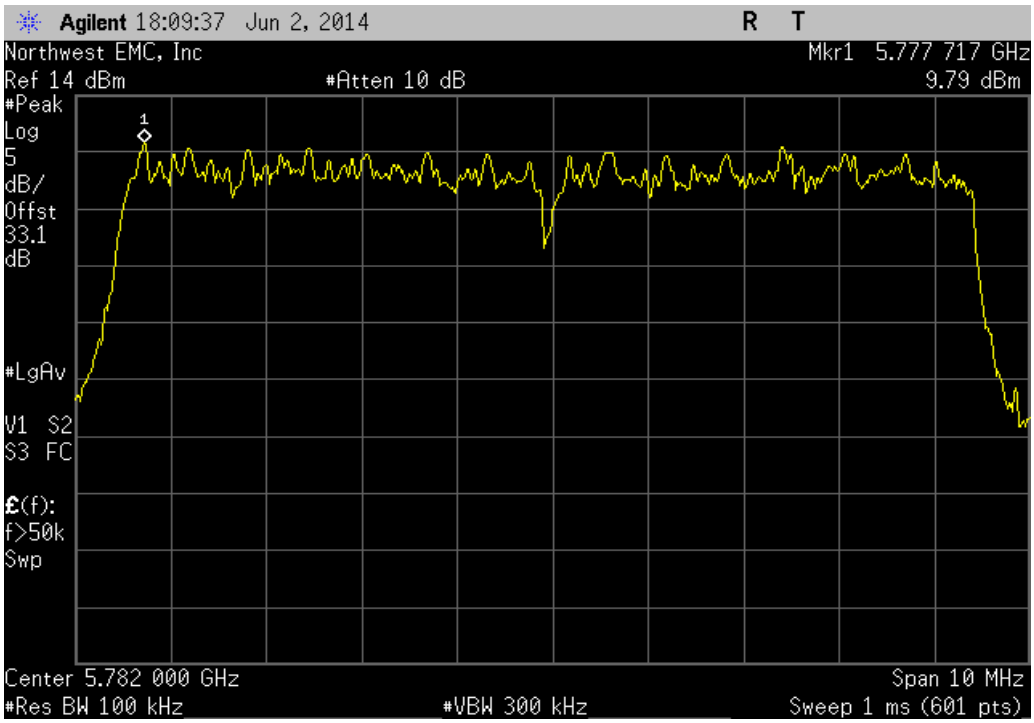
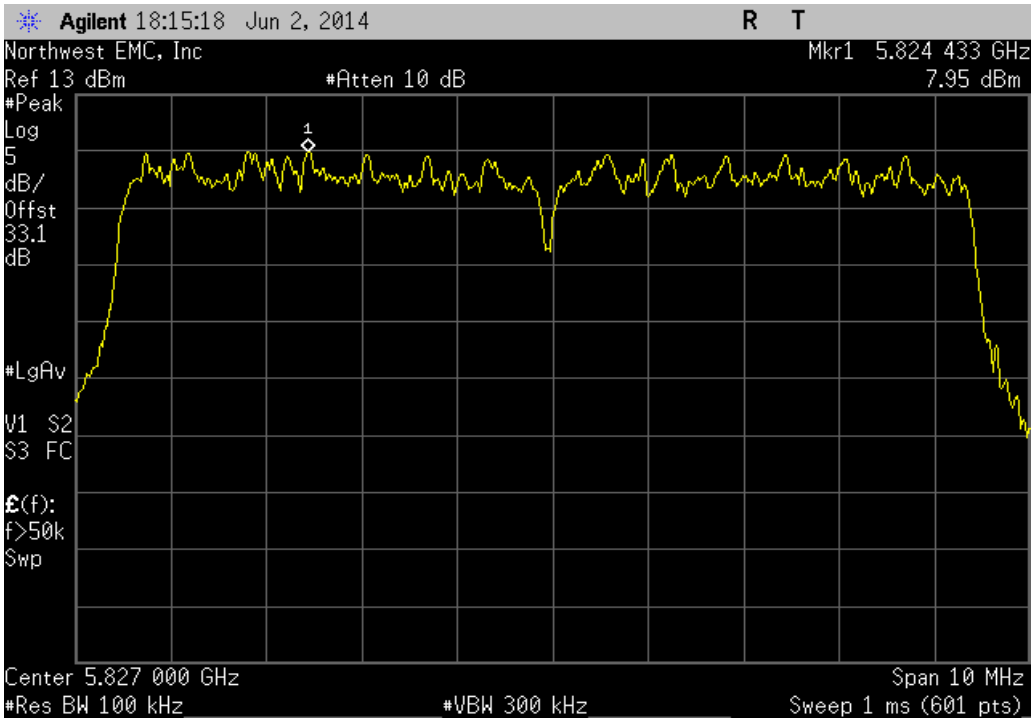


Chain 3, 5725 MHz - 5850 MHz Band, 10MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., Low Channel 672, 5742MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		9.739	-15.2	-5.461	8	Pass



POWER SPECTRAL DENSITY - 3x3 MIMO

Chain 3, 5725 MHz - 5850 MHz Band, 10MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., Mid Channel 712, 5782MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		9.793	-15.2	-5.407	8	Pass



Chain 3, 5725 MHz - 5850 MHz Band, 10MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., High Channel 757, 5827MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
		7.952	-15.2	-7.248	8	Pass