

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.

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

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

COMMENTS
An additional 10dB 5watt attenuator 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
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	Value	Limit	Result
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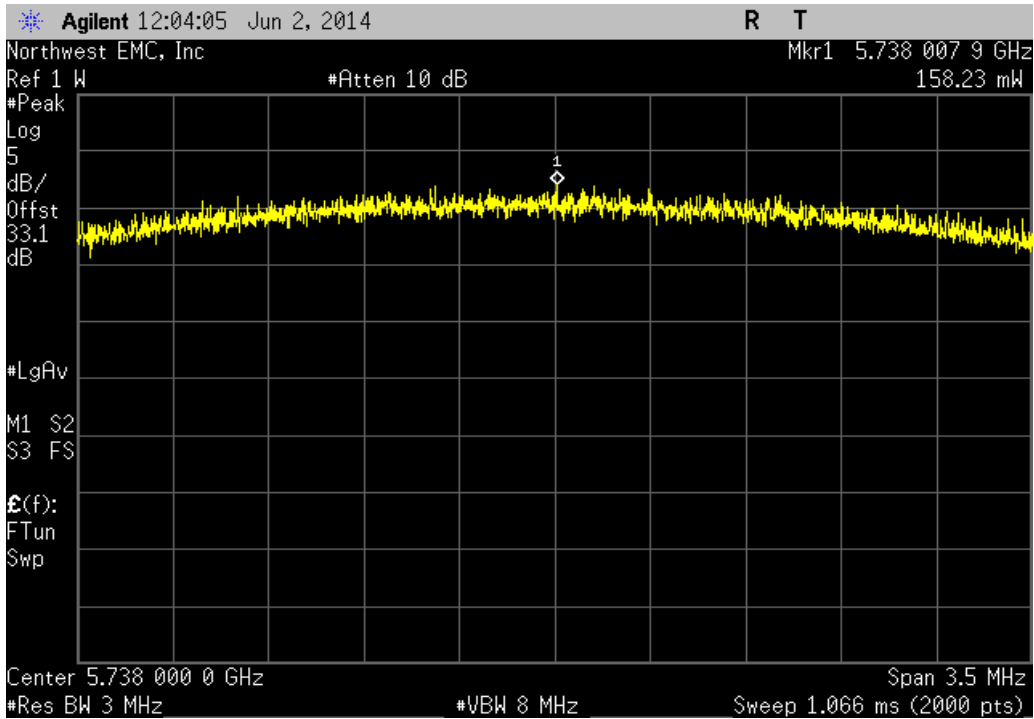
	Value	Limit	Result
Chain 1			
5725 MHz - 5850 MHz Band			
2.5MHz Bandwidth			
3x3 Modulation Type, BPSK, Coding Rate, 1/2.			
Low Channel 668, 5738MHz	158.234 mW	< 1 W	Pass
Mid Channel 713, 5783MHz	145.613 mW	< 1 W	Pass
High Channel 761, 5831MHz	124.337 mW	< 1 W	Pass
3x3 Modulation Type, 64-QAM, Coding 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

		Chain 1		Chain 2		Chain 3		Summed Power
		(dBm)	(mW)	(dBm)	(mW)	(dBm)	(mW)	(mW)
2400 MHz - 2483.5 MHz Band								
2.5MHz Bandwidth								
802.11(n) MCS16								
	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

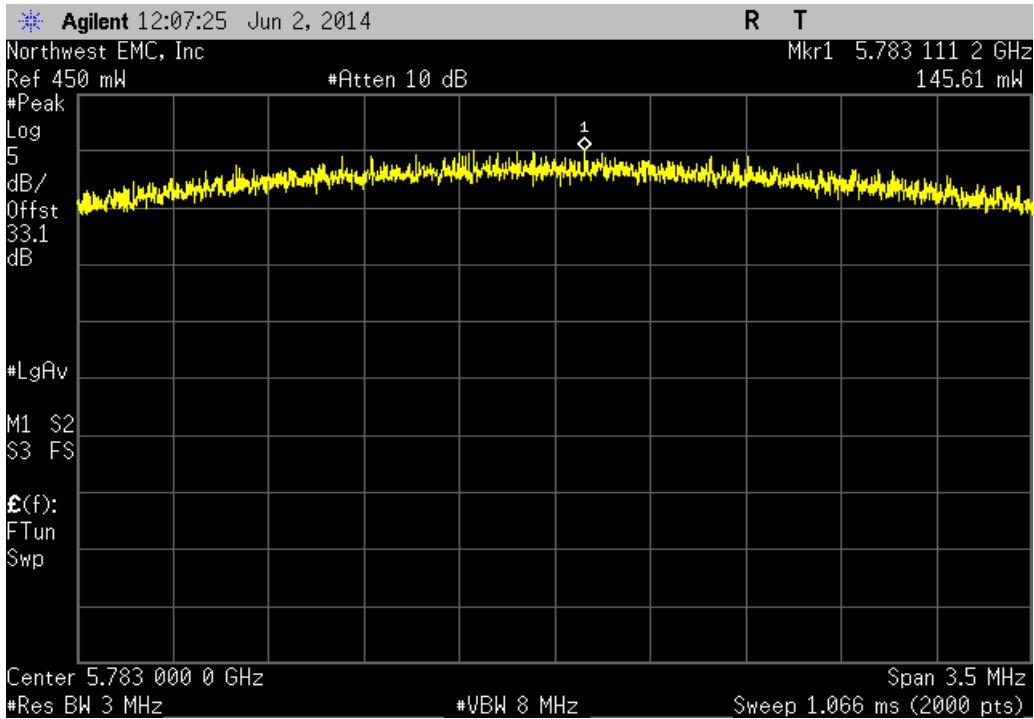
Chain 1, 5725 MHz - 5850 MHz Band, 2.5MHz Bandwidth, 3x3 Modulation Type, BPSK, Coding Rate, 1/2., Low Channel 668, 5738MHz

Value	Limit	Result
158.234 mW	< 1 W	Pass



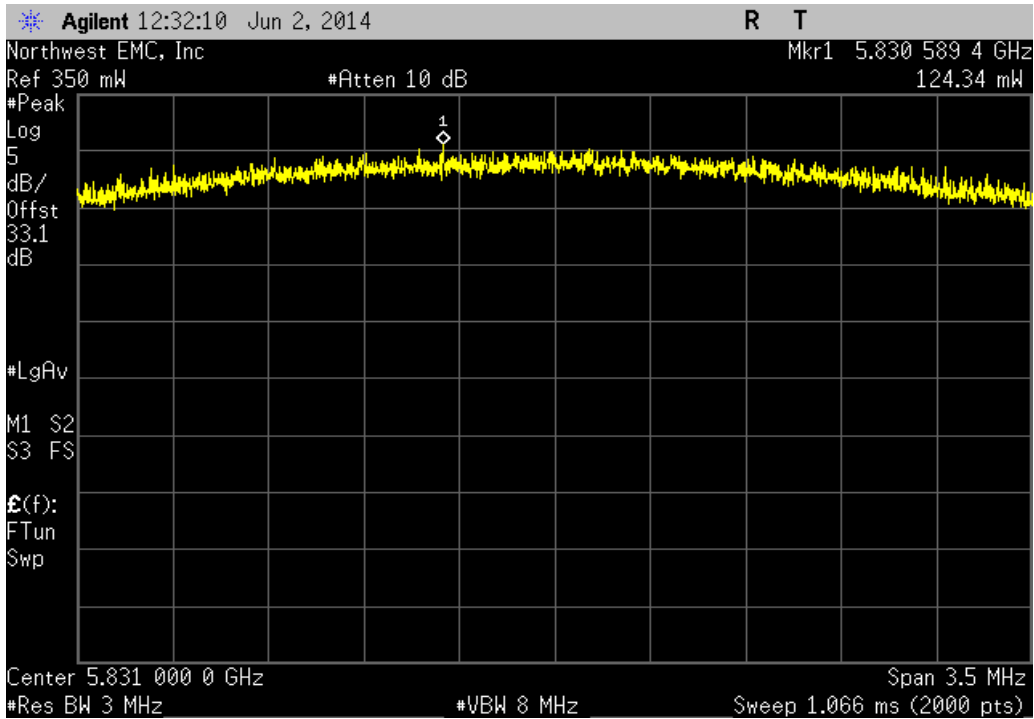
Chain 1, 5725 MHz - 5850 MHz Band, 2.5MHz Bandwidth, 3x3 Modulation Type, BPSK, Coding Rate, 1/2., Mid Channel 713, 5783MHz

Value	Limit	Result
145.613 mW	< 1 W	Pass



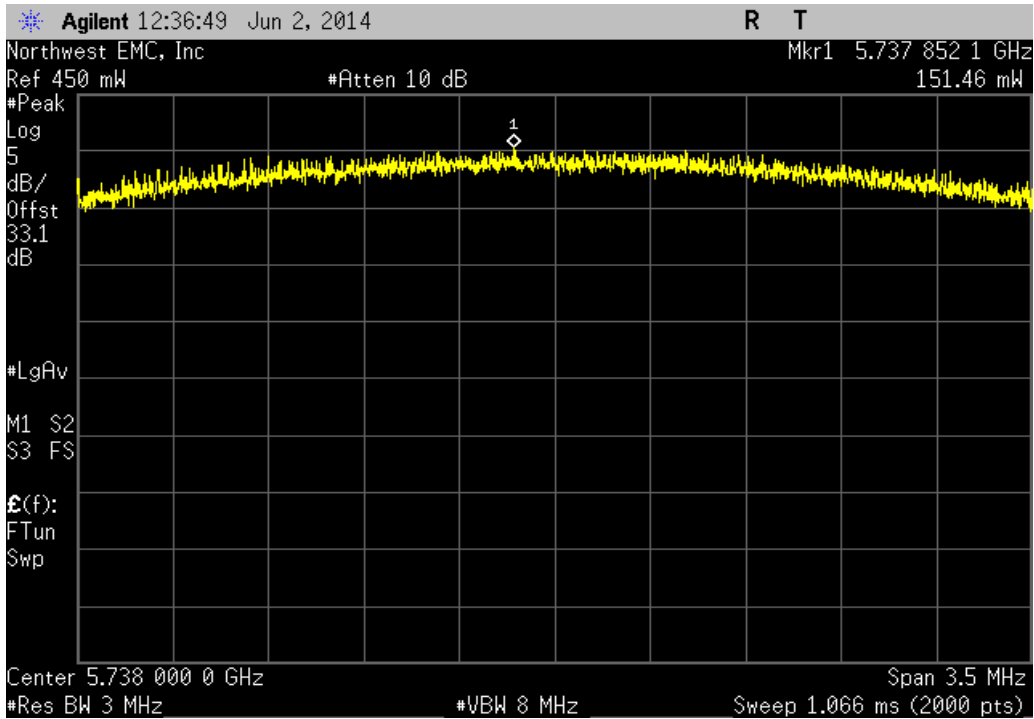
Chain 1 , 5725 MHz - 5850 MHz Band, 2.5MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., High Channel 761, 5831MHz

Value	Limit	Result
124.337 mW	< 1 W	Pass



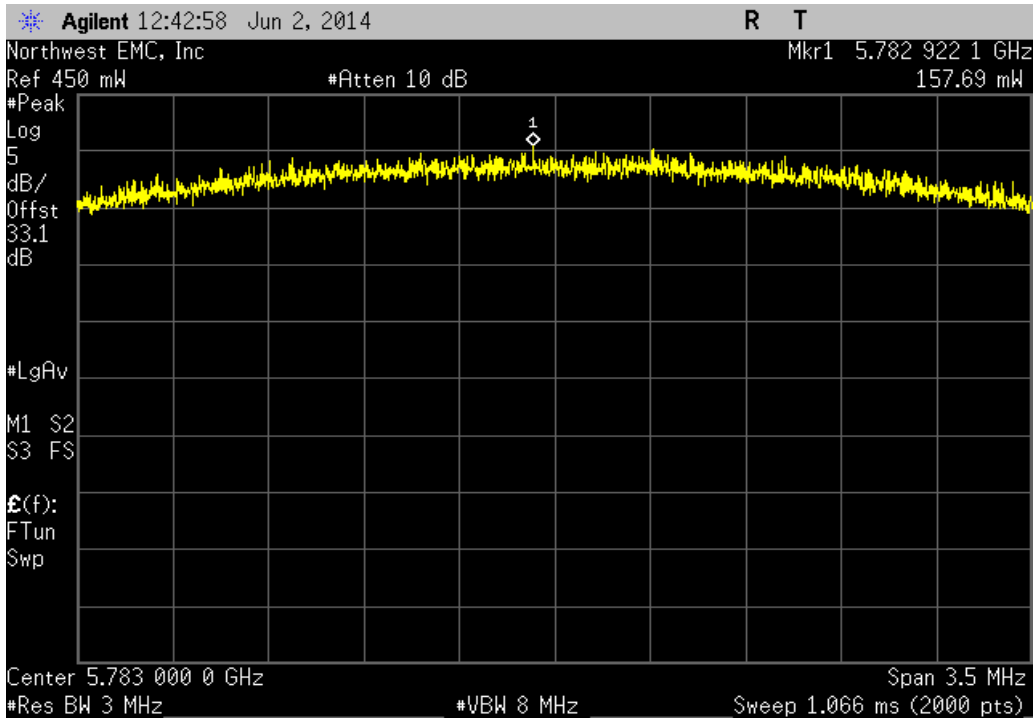
Chain 1 , 5725 MHz - 5850 MHz Band, 2.5MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., Low Channel 668, 5738MHz

Value	Limit	Result
151.461 mW	< 1 W	Pass



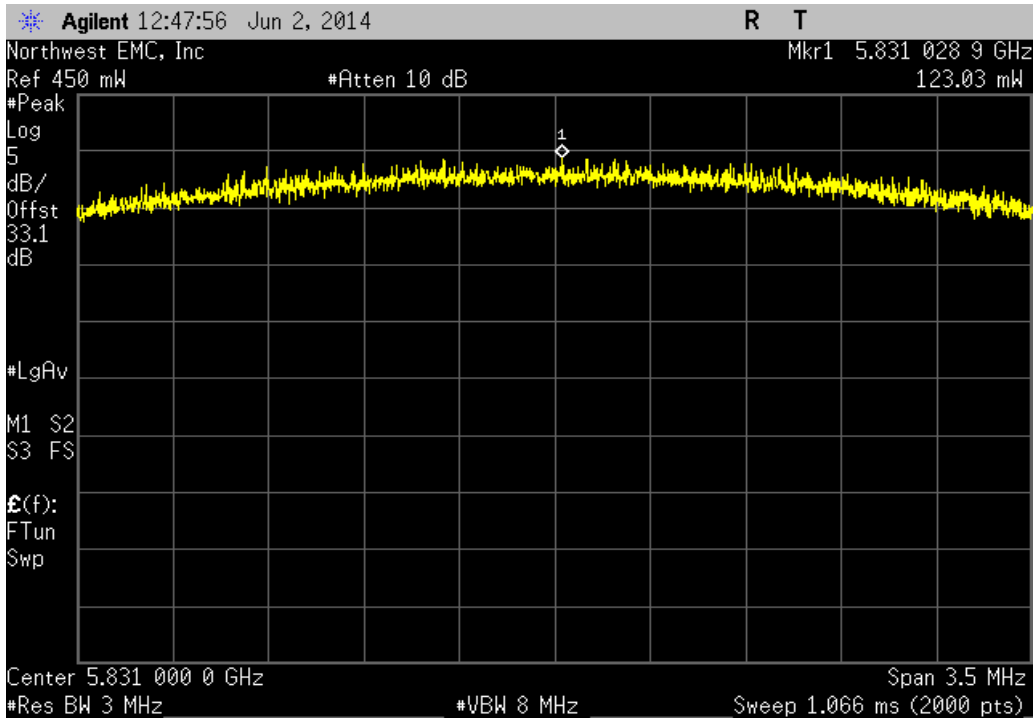
Chain 1 , 5725 MHz - 5850 MHz Band, 2.5MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., Mid Channel 713, 5783MHz

Value	Limit	Result
157.688 mW	< 1 W	Pass



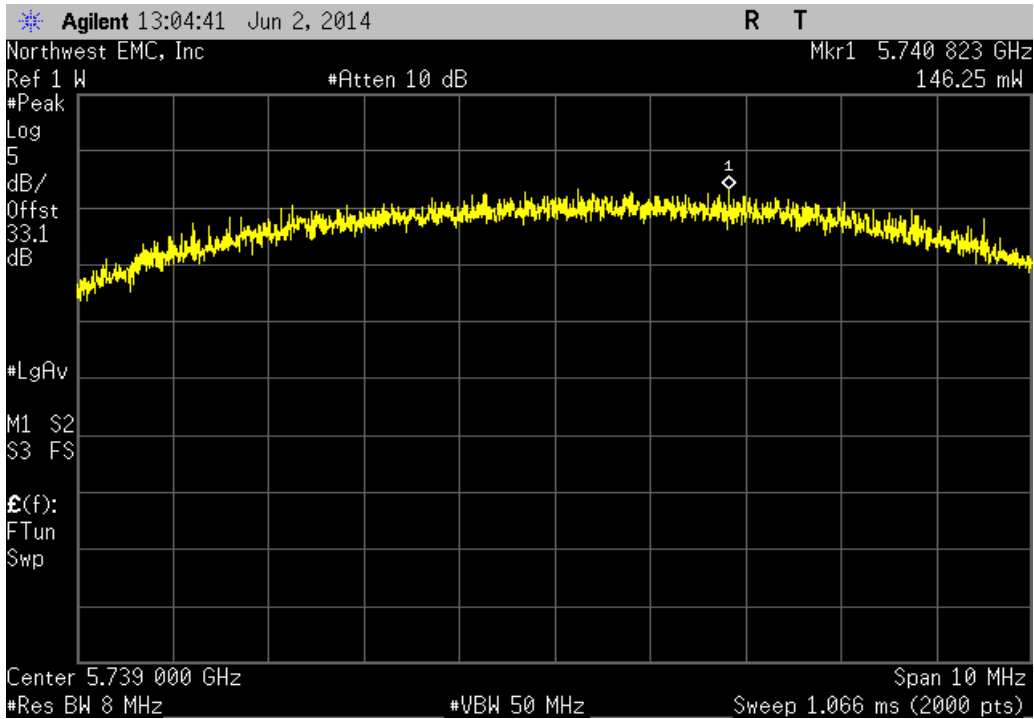
Chain 1 , 5725 MHz - 5850 MHz Band, 2.5MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., High Channel 761, 5831MHz

Value	Limit	Result
123.027 mW	< 1 W	Pass



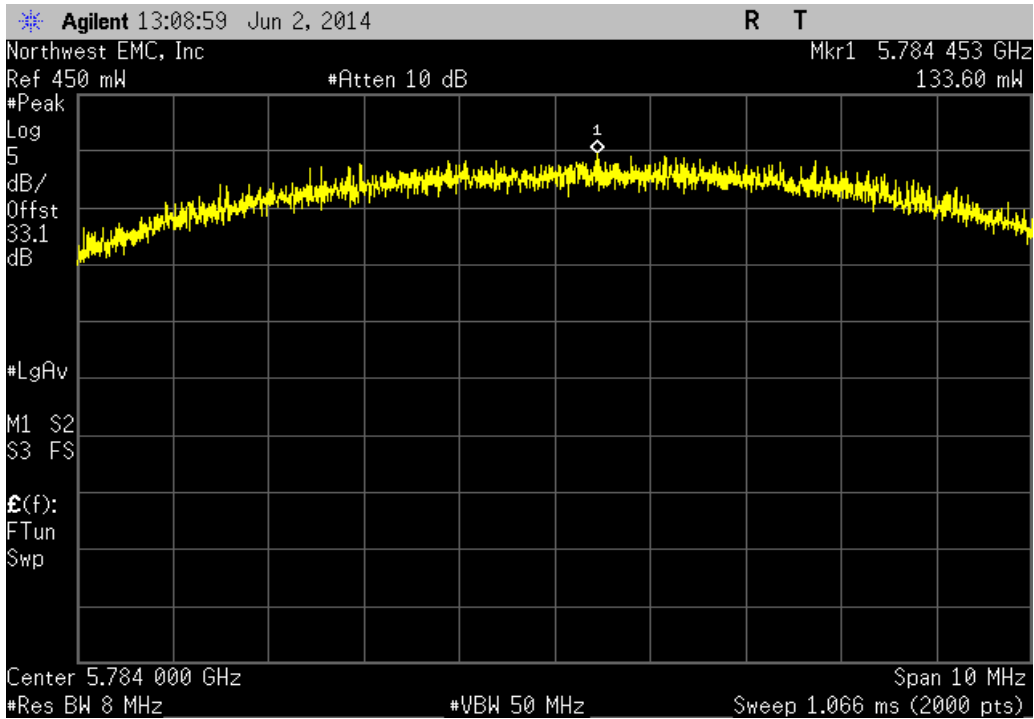
Chain 1 , 5725 MHz - 5850 MHz Band, 5MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., Low Channel 669, 5739MHz

Value	Limit	Result
146.251 mW	< 1 W	Pass



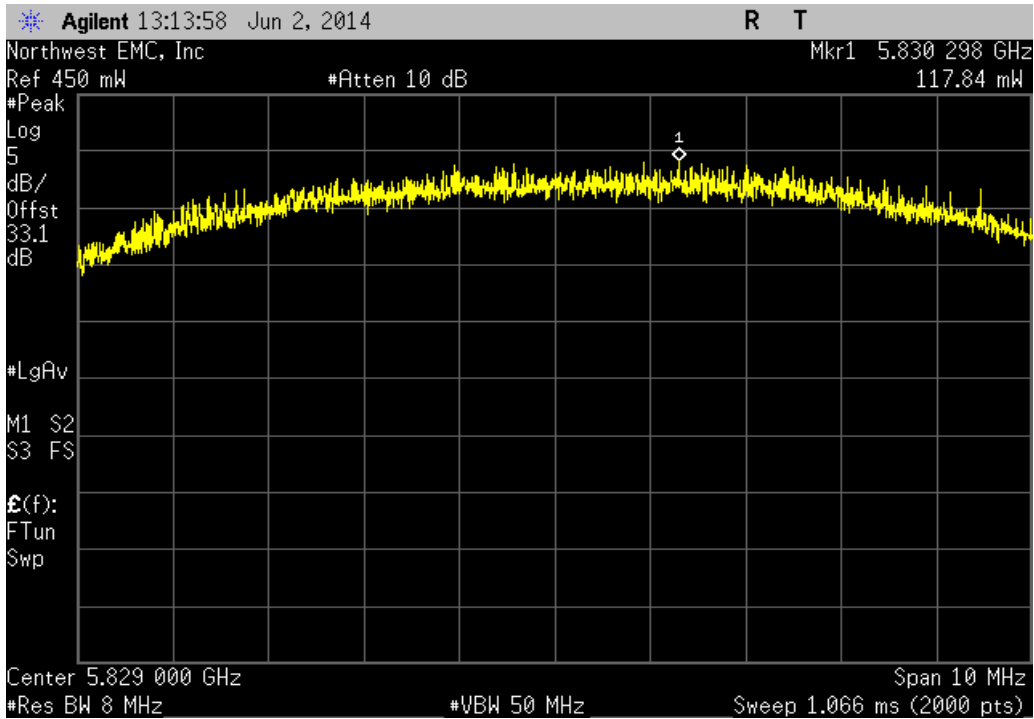
Chain 1 , 5725 MHz - 5850 MHz Band, 5MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., Mid Channel 714, 5784MHz

Value	Limit	Result
133.598 mW	< 1 W	Pass



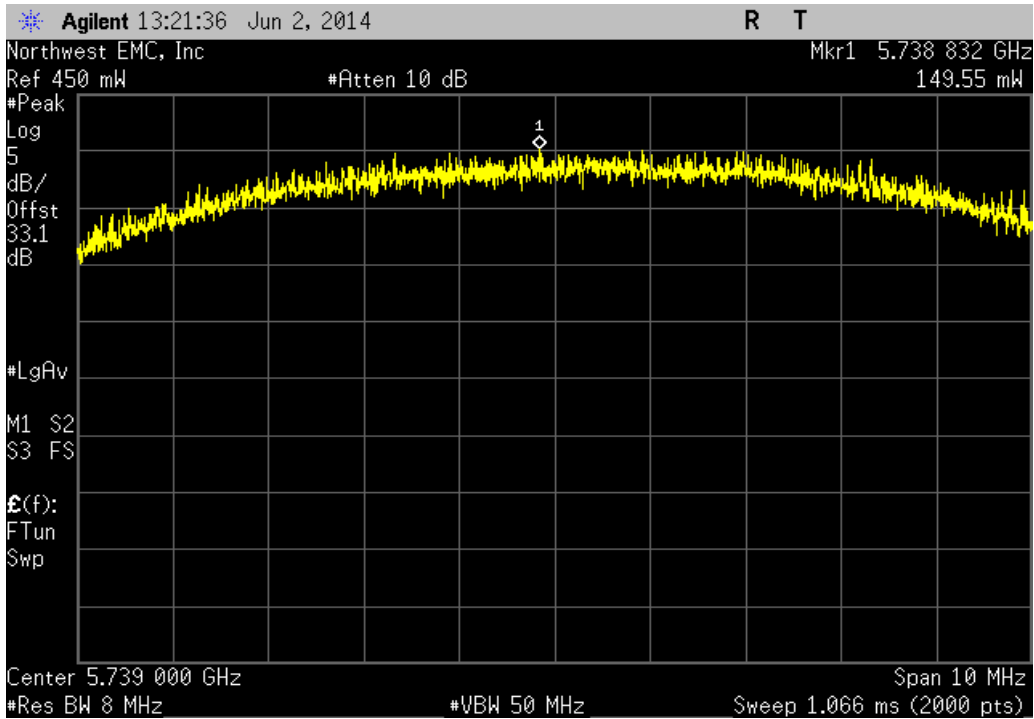
Chain 1 , 5725 MHz - 5850 MHz Band, 5MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., High Channel 759, 5829MHz

Value	Limit	Result
117.842 mW	< 1 W	Pass

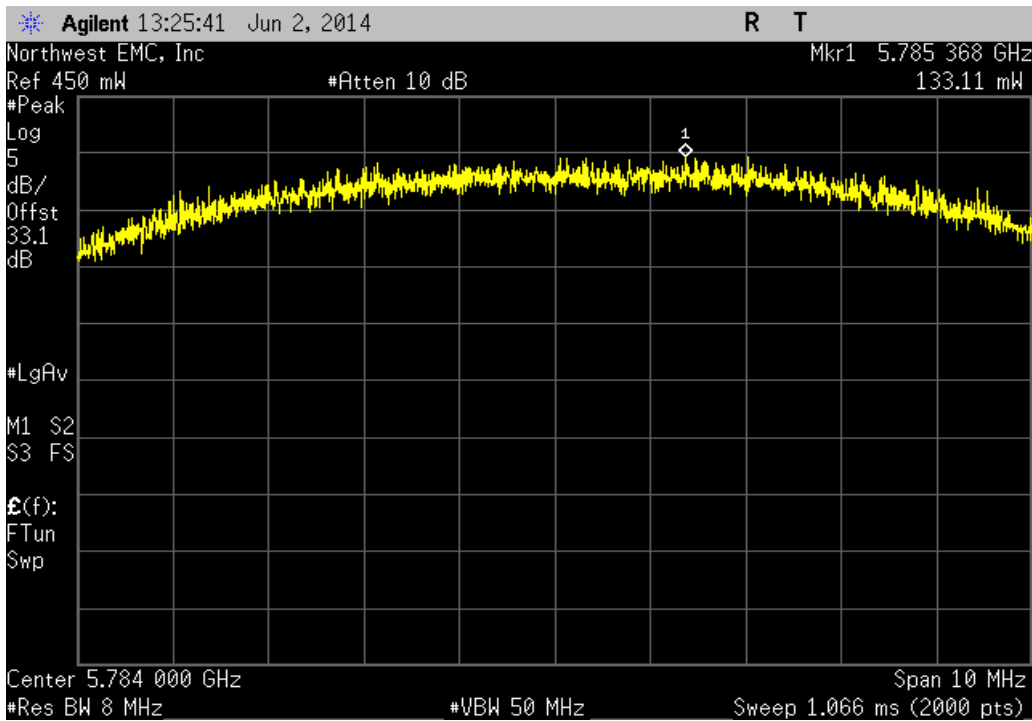


Chain 1 , 5725 MHz - 5850 MHz Band, 5MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., Low Channel 669, 5739MHz

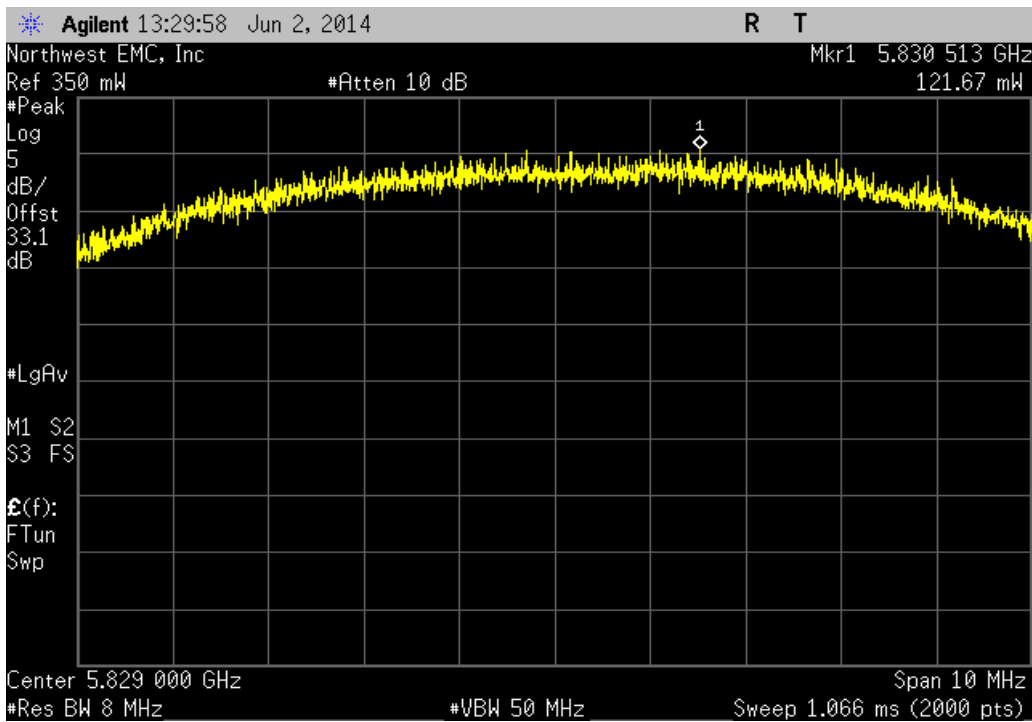
Value	Limit	Result
149.555 mW	< 1 W	Pass



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

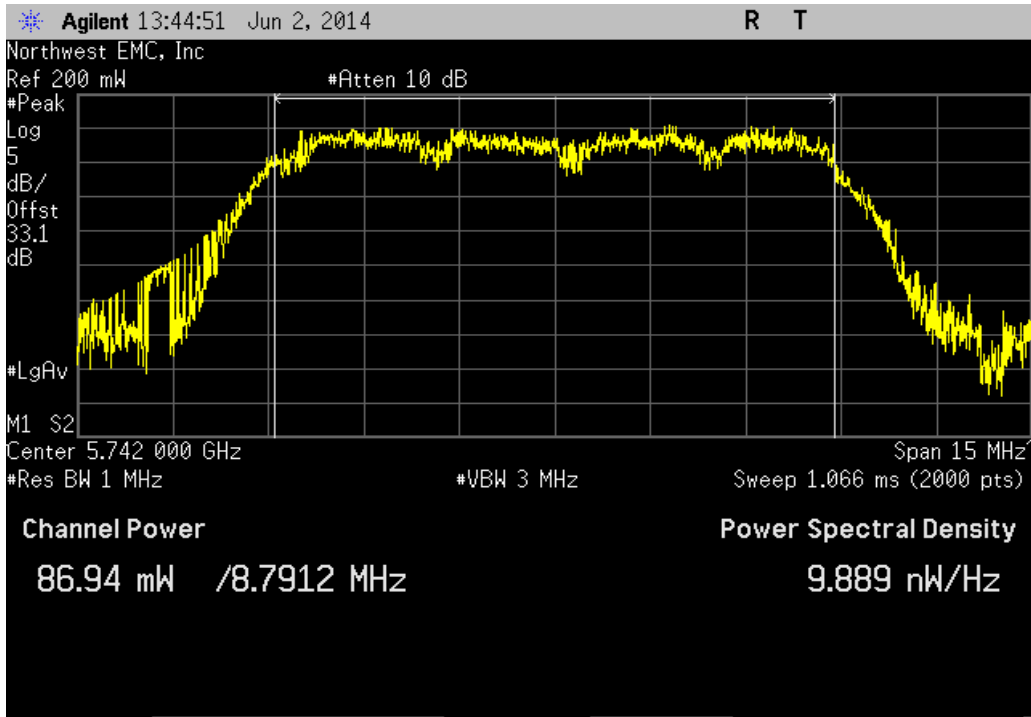


Chain 1 , 5725 MHz - 5850 MHz Band, 5MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., High Channel 759, 5829MHz		
Value	Limit	Result
121.675 mW	< 1 W	Pass



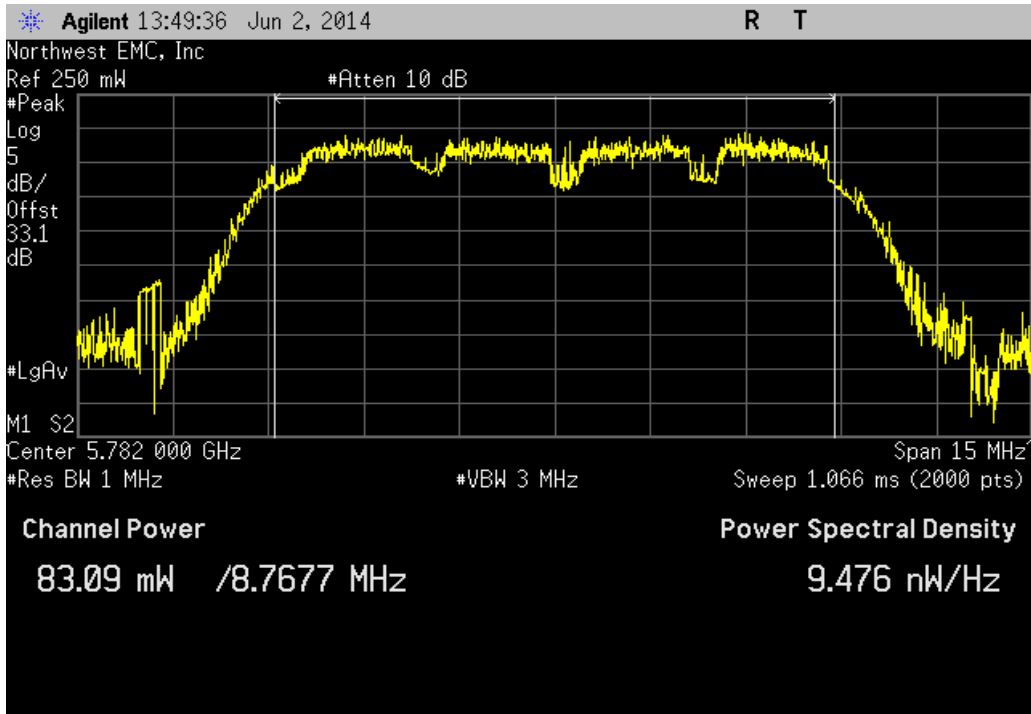
Chain 1 , 5725 MHz - 5850 MHz Band, 10MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., Low Channel 672, 5742MHz

	Value	Limit	Result
	86.939 mW	< 1 W	Pass



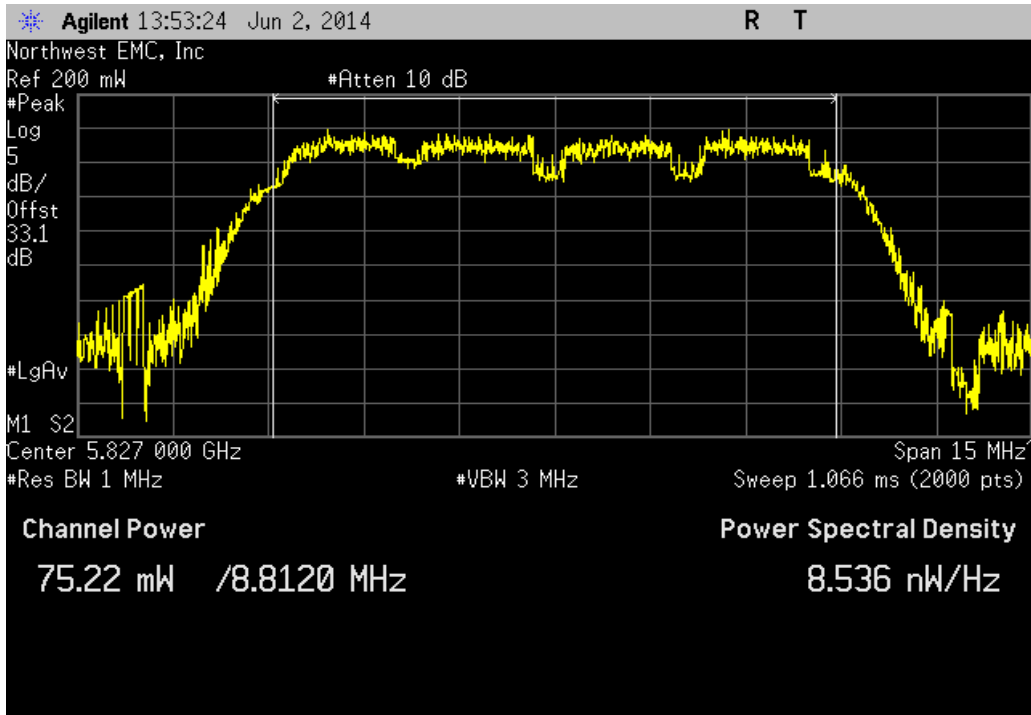
Chain 1 , 5725 MHz - 5850 MHz Band, 10MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., Mid Channel 712, 5782MHz

	Value	Limit	Result
	83.087 mW	< 1 W	Pass



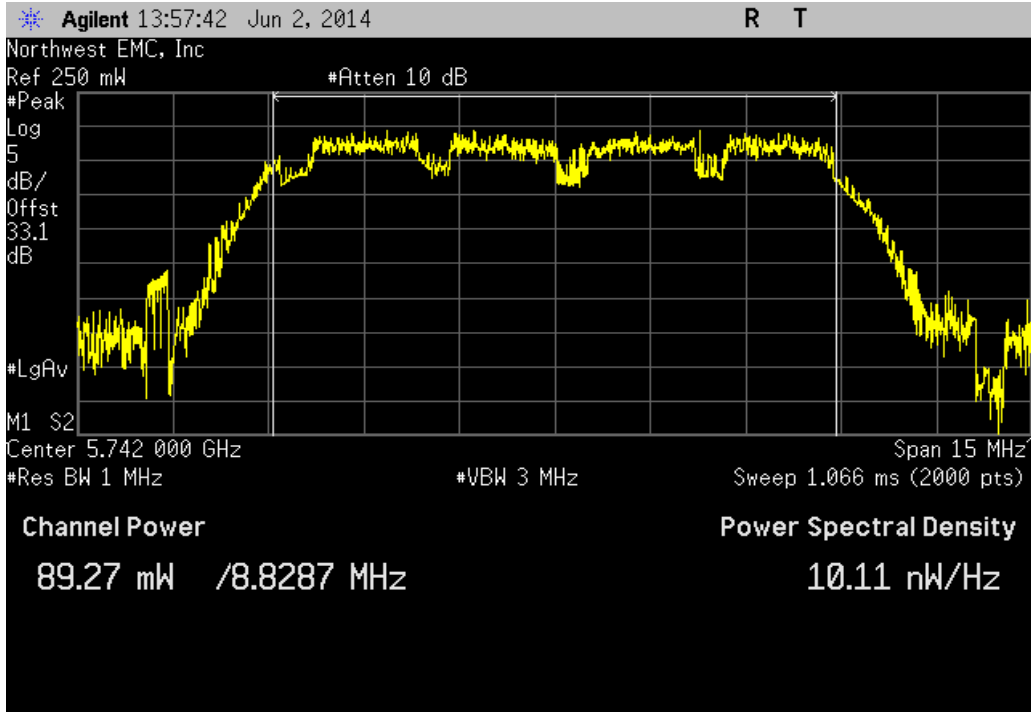
Chain 1 , 5725 MHz - 5850 MHz Band, 10MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., High Channel 757, 5827MHz

	Value	Limit	Result
	75.215 mW	< 1 W	Pass



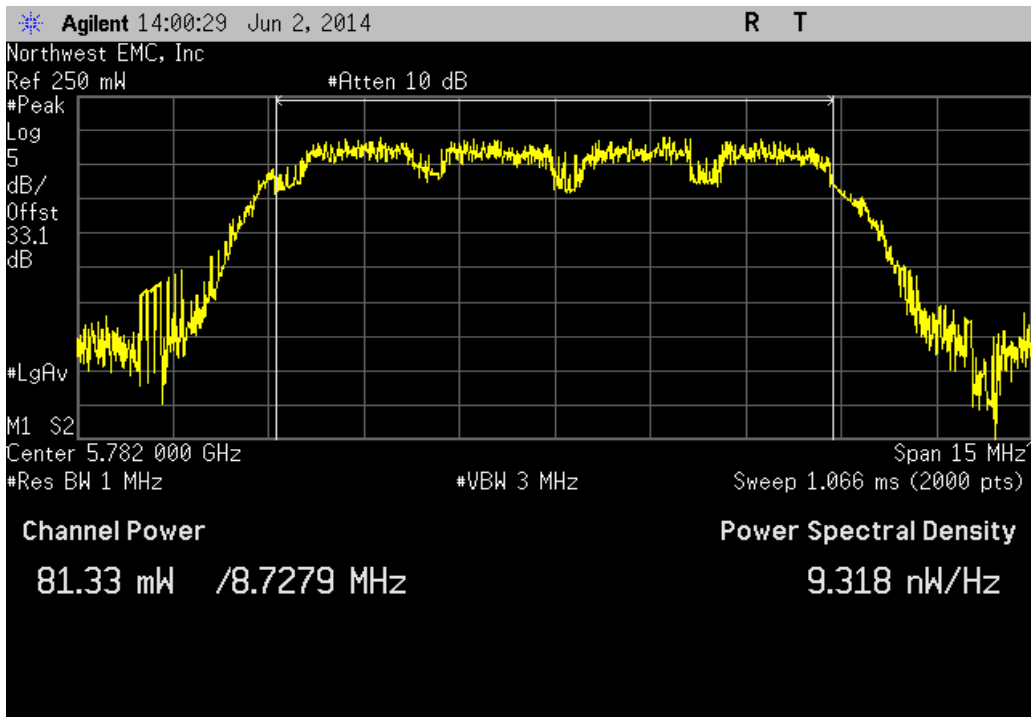
Chain 1 , 5725 MHz - 5850 MHz Band, 10MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., Low Channel 672, 5742MHz

	Value	Limit	Result
	89.268 mW	< 1 W	Pass



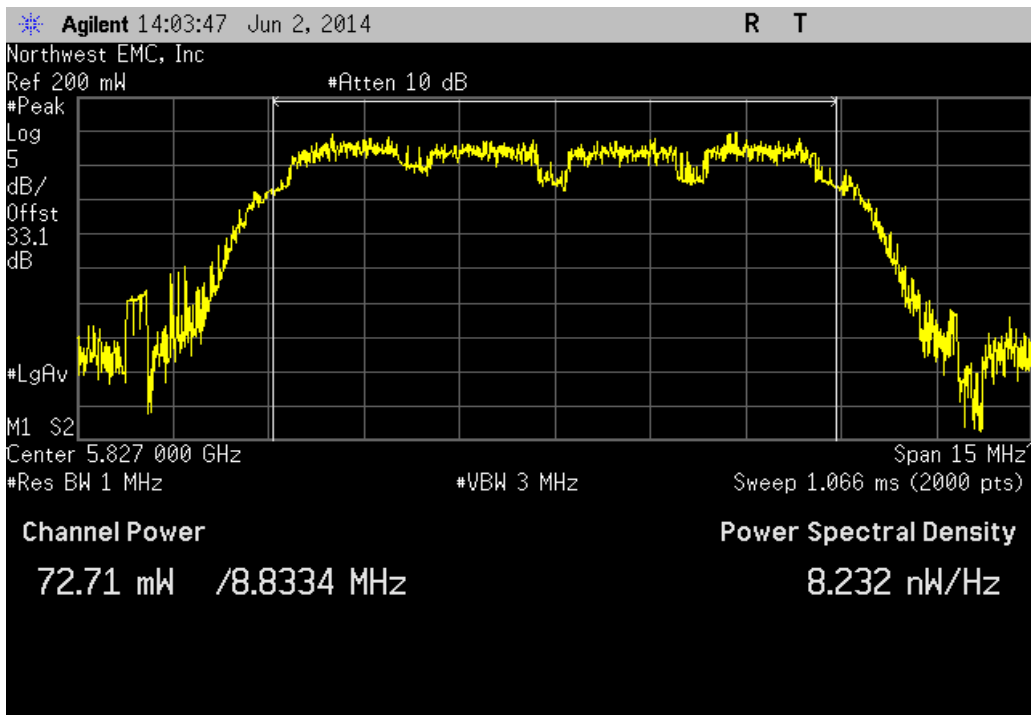
Chain 1 , 5725 MHz - 5850 MHz Band, 10MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., Mid Channel 712, 5782MHz

	Value	Limit	Result
	81.329 mW	< 1 W	Pass



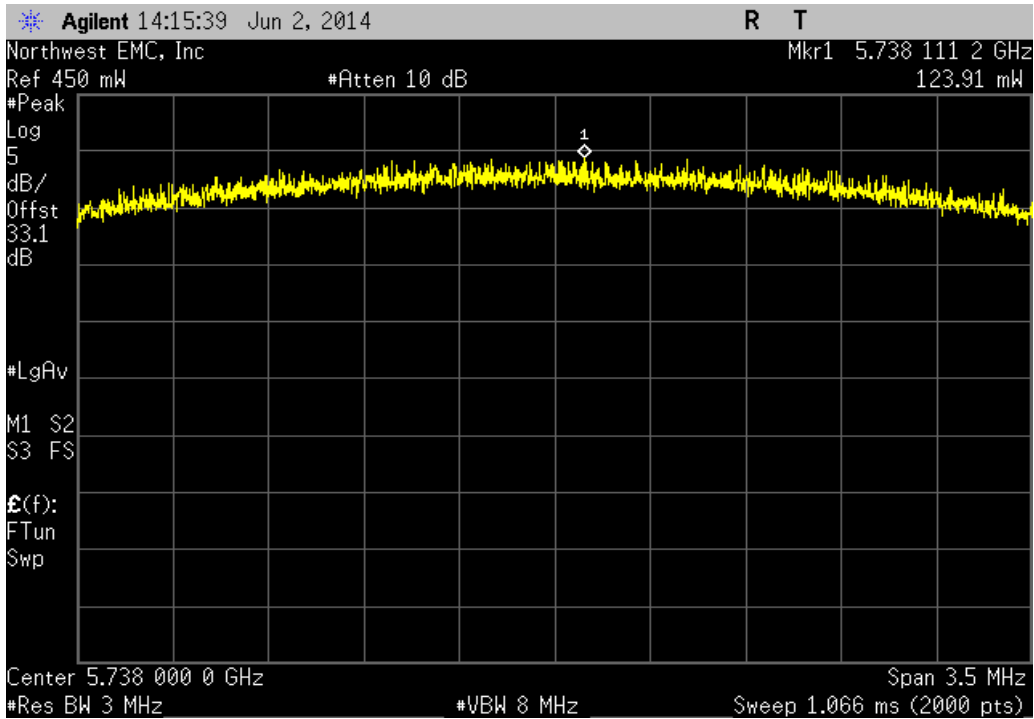
Chain 1 , 5725 MHz - 5850 MHz Band, 10MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., High Channel 757, 5827MHz

	Value	Limit	Result
	72.713 mW	< 1 W	Pass



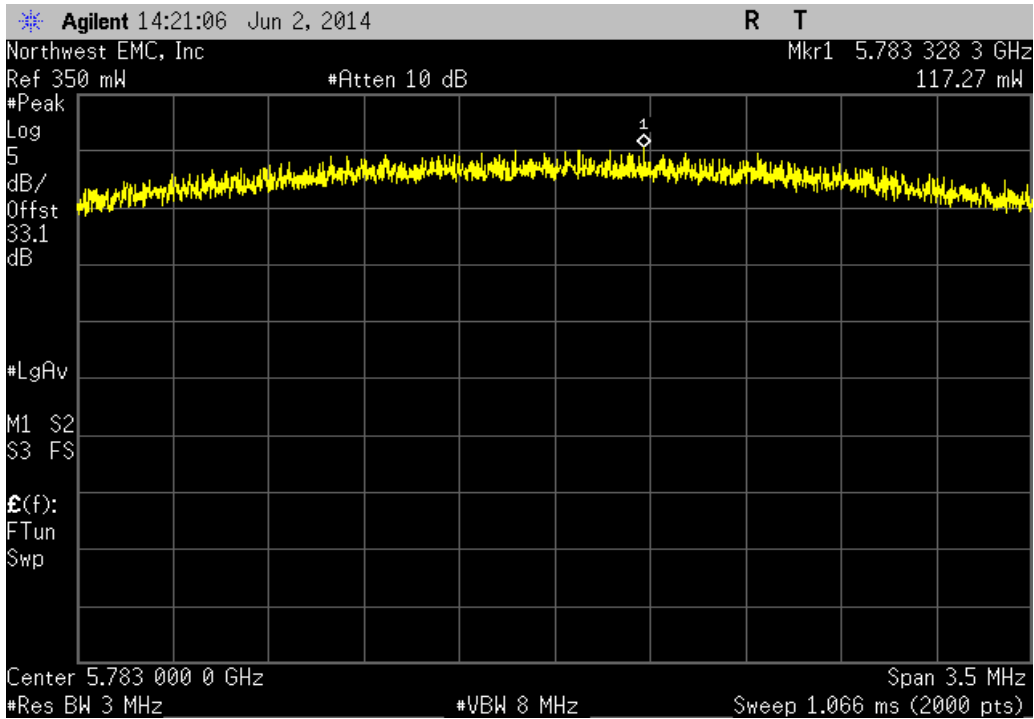
Chain 2, 5725 MHz - 5850 MHz Band, 2.5MHz Bandwidth, 3x3 Modulation Type, BPSK, Coding Rate, 1/2., Low Channel 668, 5738MHz

Value	Limit	Result
123.908 mW	< 1 W	Pass



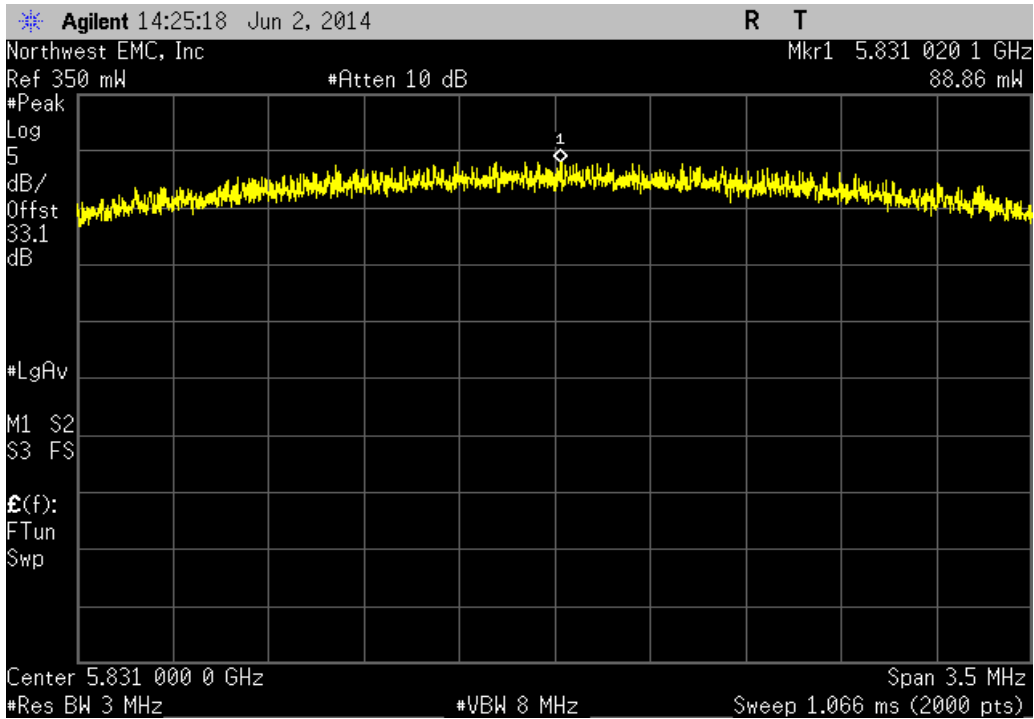
Chain 2, 5725 MHz - 5850 MHz Band, 2.5MHz Bandwidth, 3x3 Modulation Type, BPSK, Coding Rate, 1/2., Mid Channel 713, 5783MHz

Value	Limit	Result
117.274 mW	< 1 W	Pass



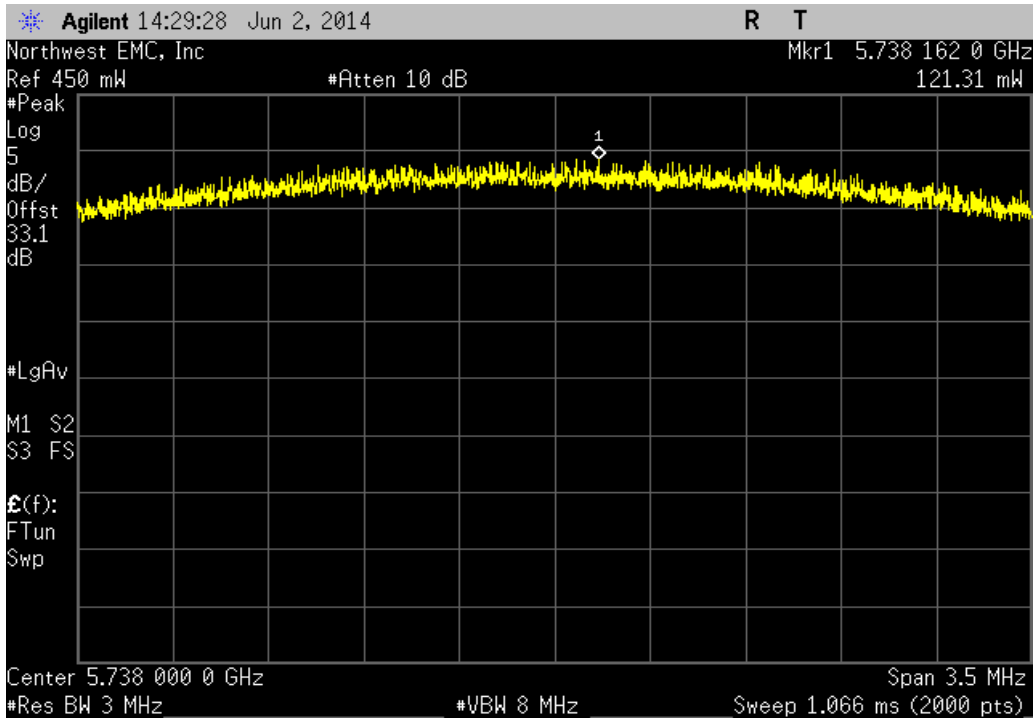
Chain 2, 5725 MHz - 5850 MHz Band, 2.5MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., High Channel 761, 5831MHz

Value	Limit	Result
88.859 mW	< 1 W	Pass



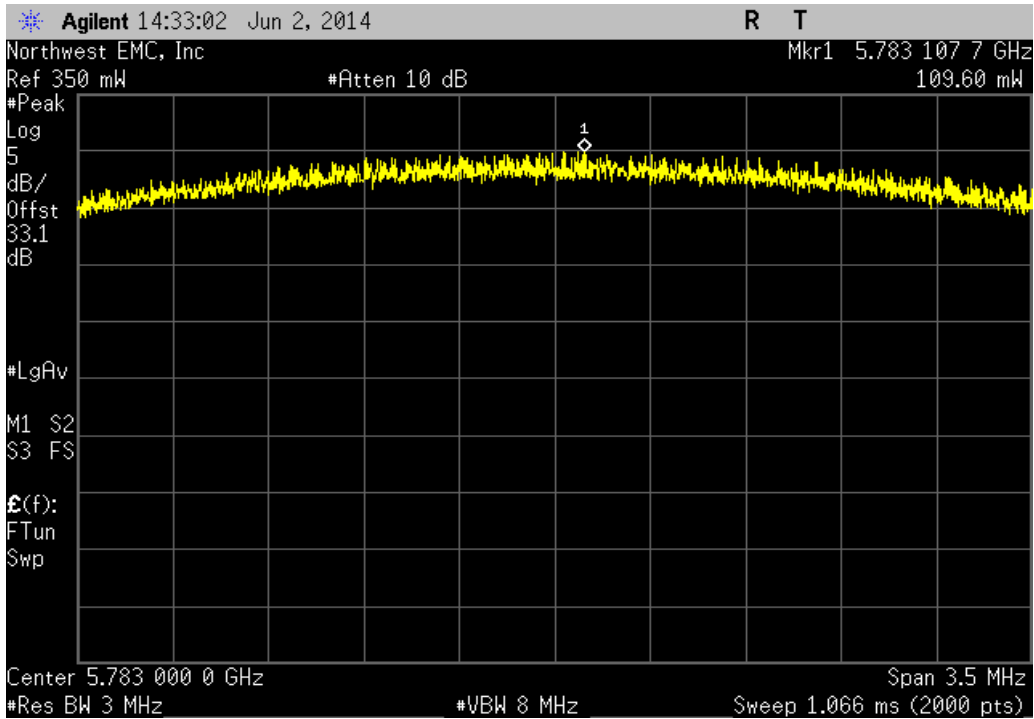
Chain 2, 5725 MHz - 5850 MHz Band, 2.5MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., Low Channel 668, 5738MHz

Value	Limit	Result
121.311 mW	< 1 W	Pass



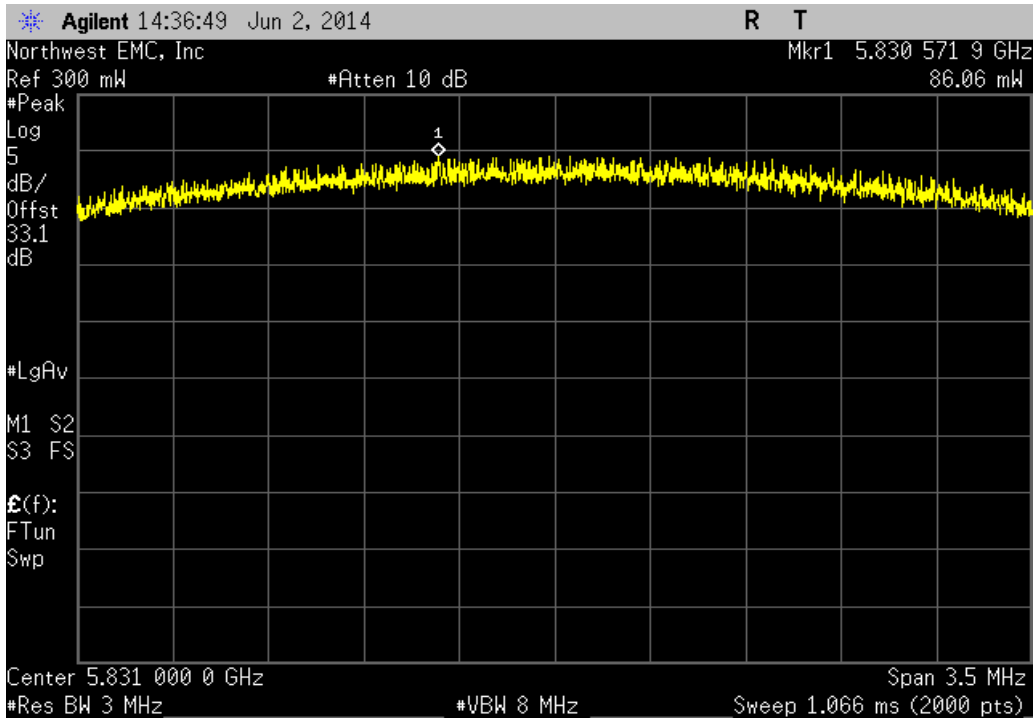
Chain 2, 5725 MHz - 5850 MHz Band, 2.5MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., Mid Channel 713, 5783MHz

Value	Limit	Result
109.597 mW	< 1 W	Pass



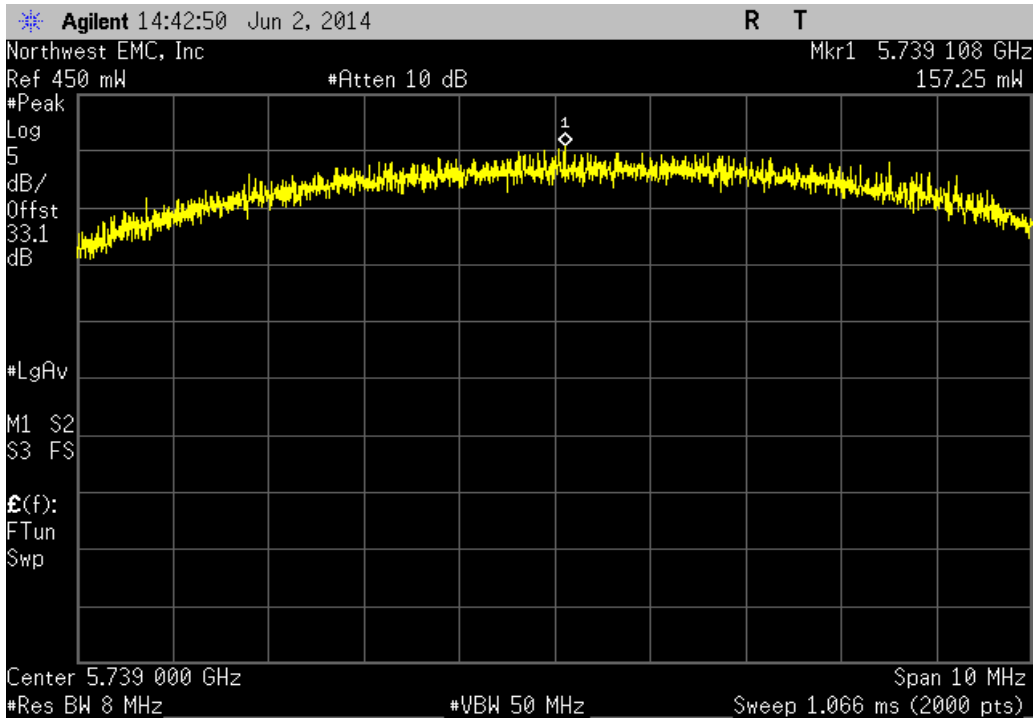
Chain 2, 5725 MHz - 5850 MHz Band, 2.5MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., High Channel 761, 5831MHz

Value	Limit	Result
86.06 mW	< 1 W	Pass



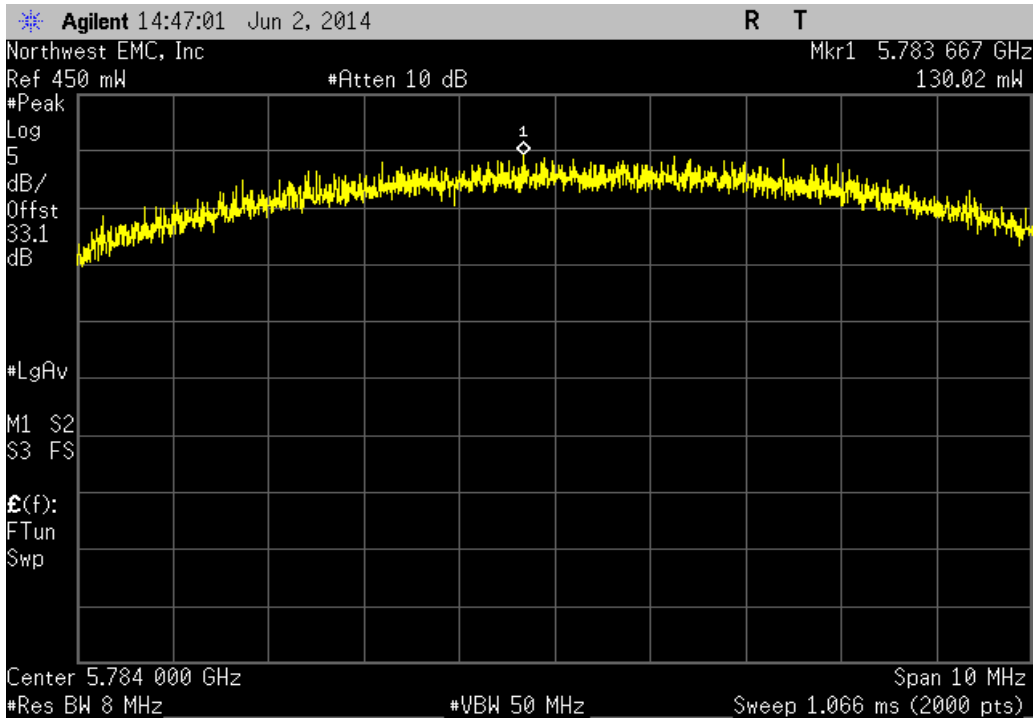
Chain 2, 5725 MHz - 5850 MHz Band, 5MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., Low Channel 669, 5739MHz

Value	Limit	Result
157.253 mW	< 1 W	Pass



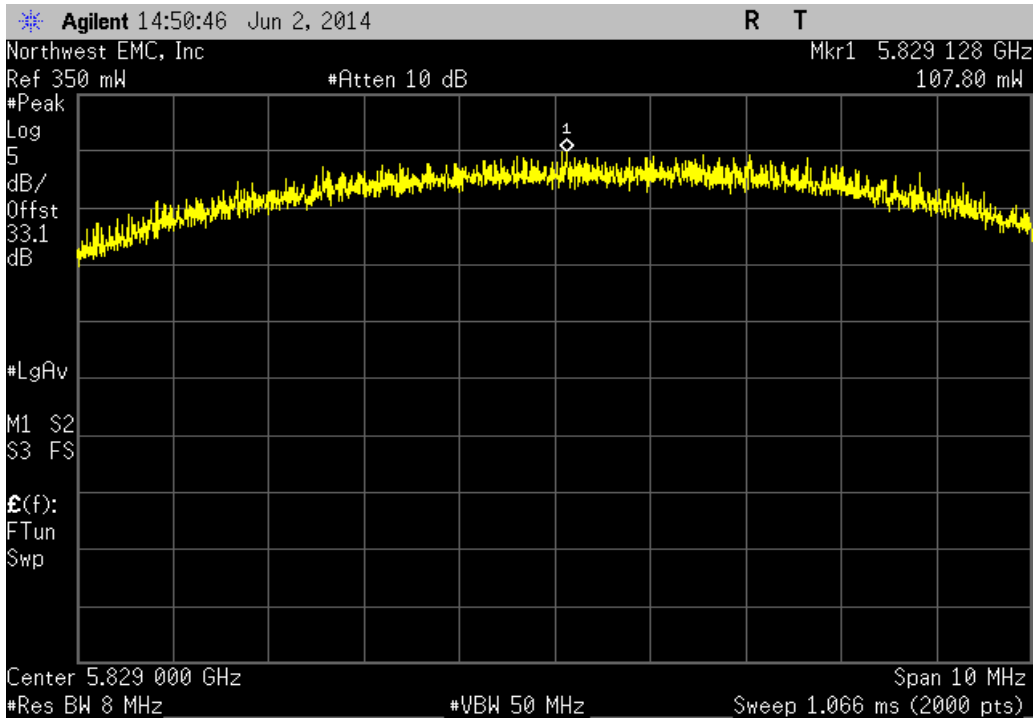
Chain 2, 5725 MHz - 5850 MHz Band, 5MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., Mid Channel 714, 5784MHz

Value	Limit	Result
130.017 mW	< 1 W	Pass



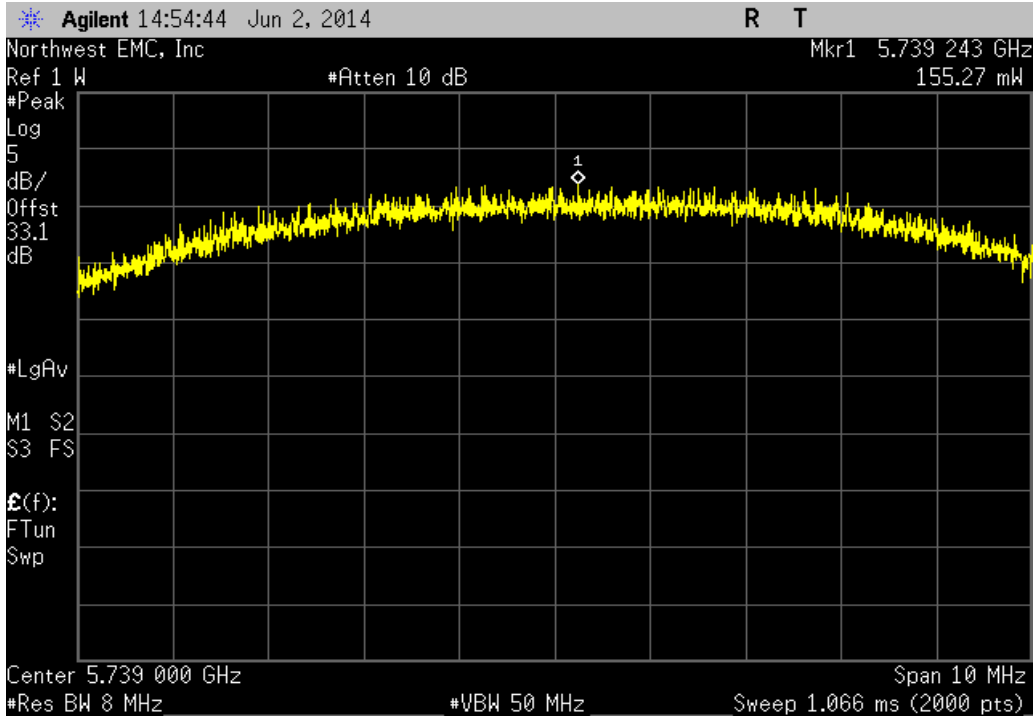
Chain 2, 5725 MHz - 5850 MHz Band, 5MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., High Channel 759, 5829MHz

Value	Limit	Result
107.795 mW	< 1 W	Pass



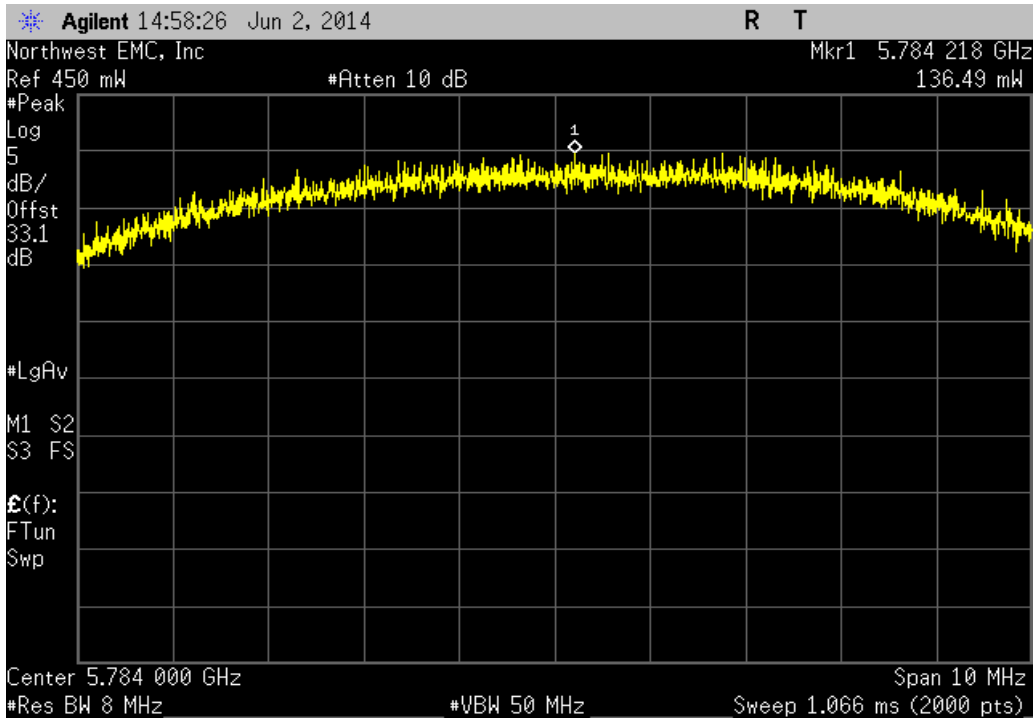
Chain 2, 5725 MHz - 5850 MHz Band, 5MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., Low Channel 669, 5739MHz

Value	Limit	Result
155.274 mW	< 1 W	Pass



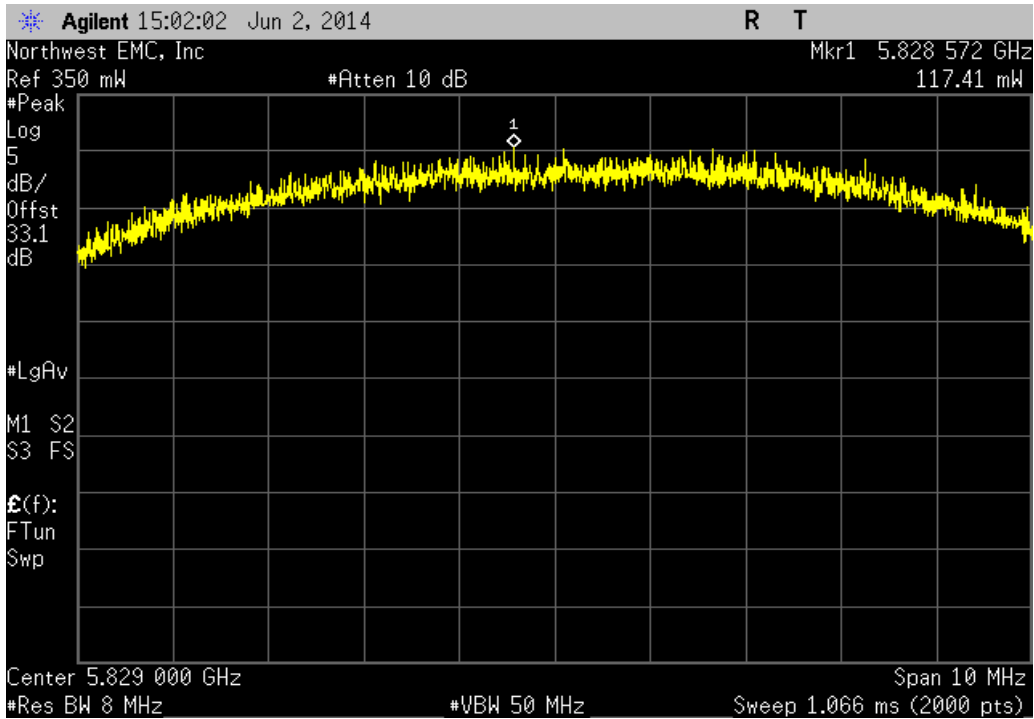
Chain 2, 5725 MHz - 5850 MHz Band, 5MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., Mid Channel 714, 5784MHz

Value	Limit	Result
136.49 mW	< 1 W	Pass



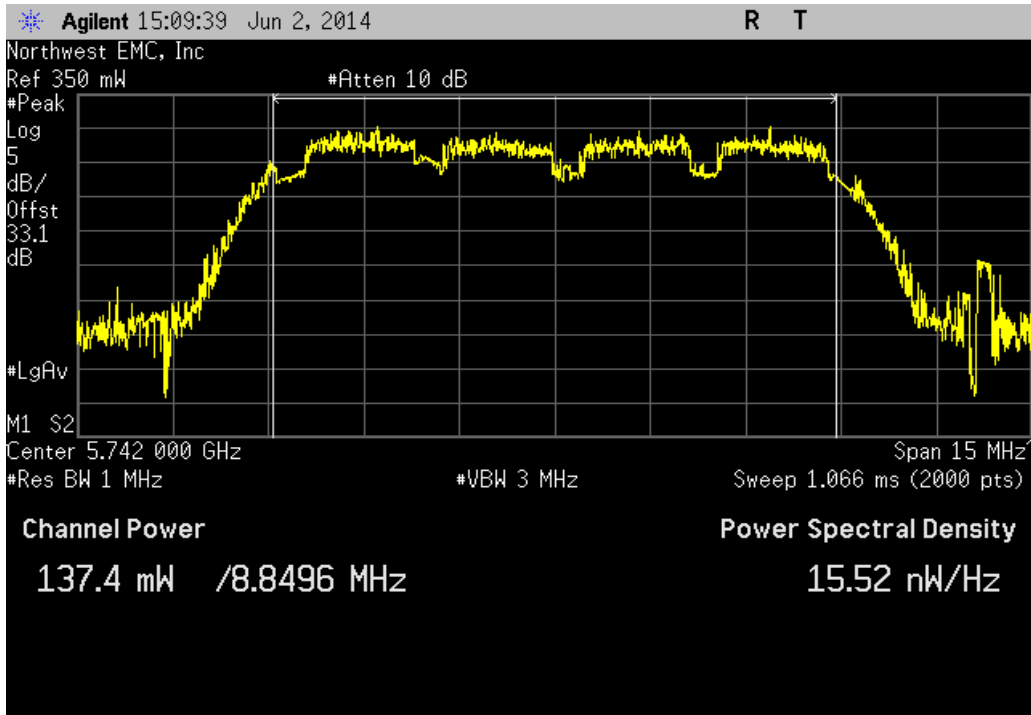
Chain 2, 5725 MHz - 5850 MHz Band, 5MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., High Channel 759, 5829MHz

Value	Limit	Result
117.409 mW	< 1 W	Pass



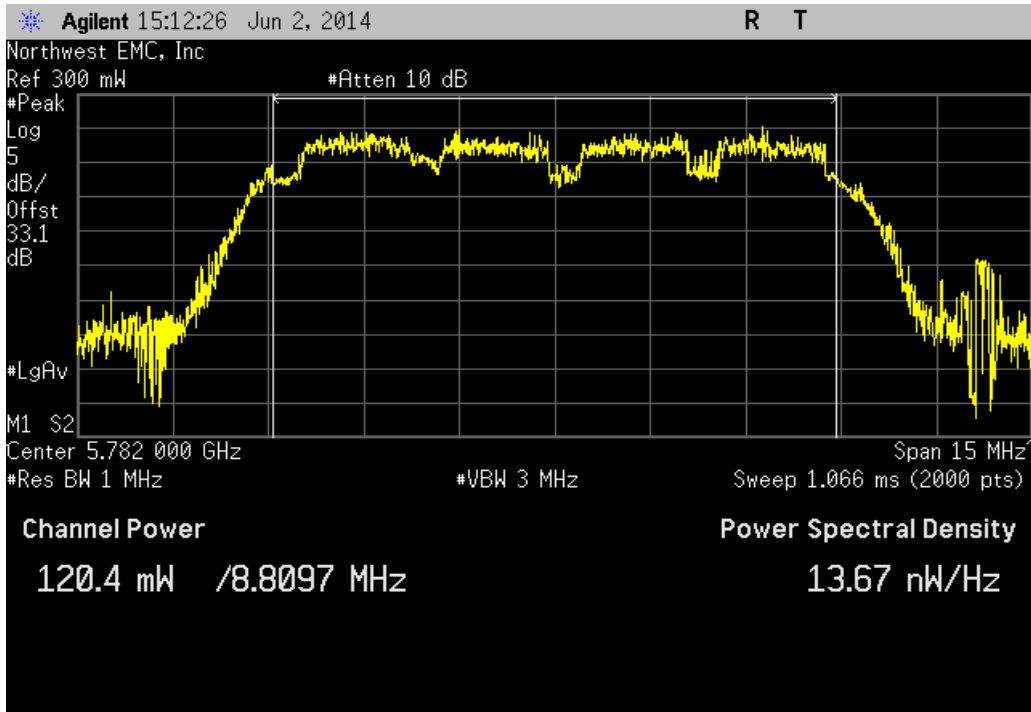
Chain 2, 5725 MHz - 5850 MHz Band, 10MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., Low Channel 672, 5742MHz

	Value	Limit	Result
	137.381 mW	< 1 W	Pass



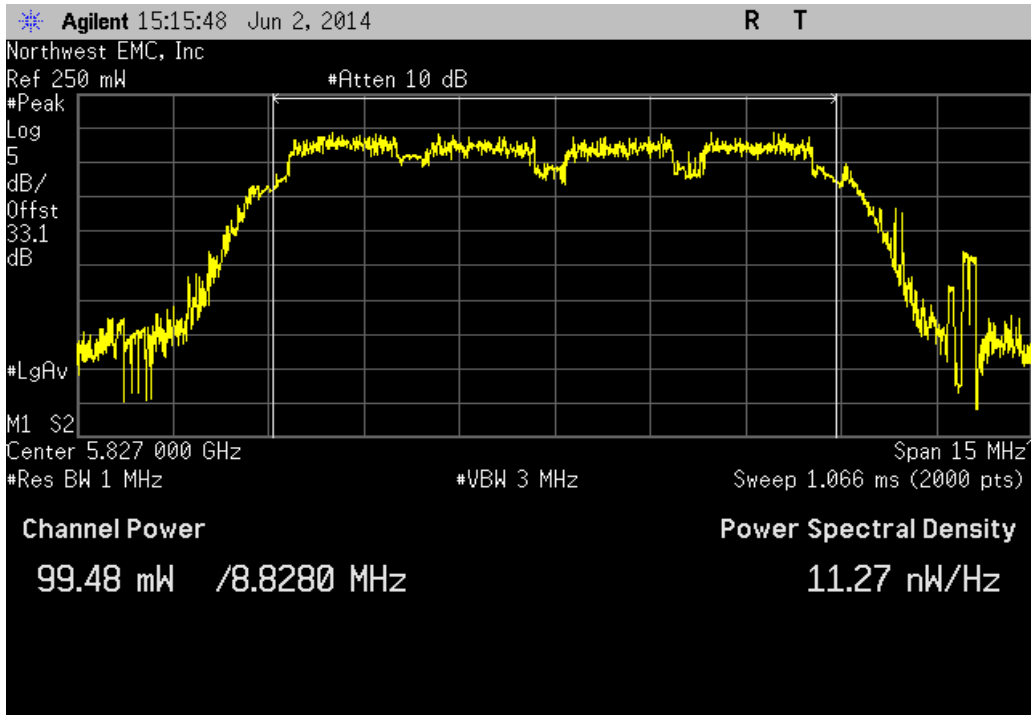
Chain 2, 5725 MHz - 5850 MHz Band, 10MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., Mid Channel 712, 5782MHz

	Value	Limit	Result
	120.405 mW	< 1 W	Pass



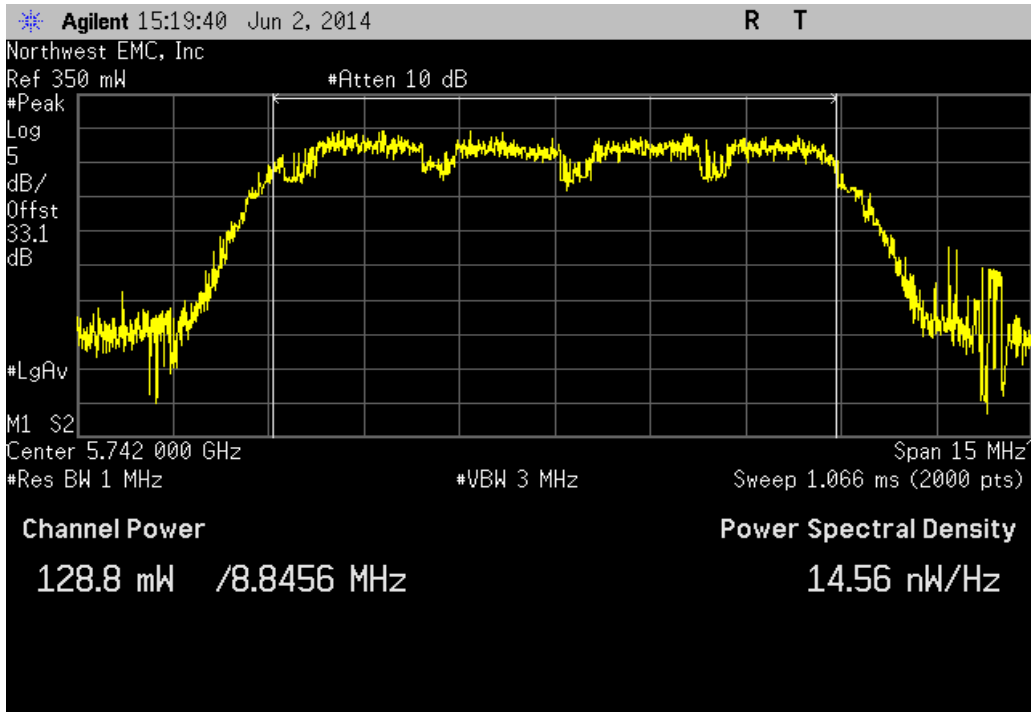
Chain 2, 5725 MHz - 5850 MHz Band, 10MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., High Channel 757, 5827MHz

	Value	Limit	Result
	99.482 mW	< 1 W	Pass



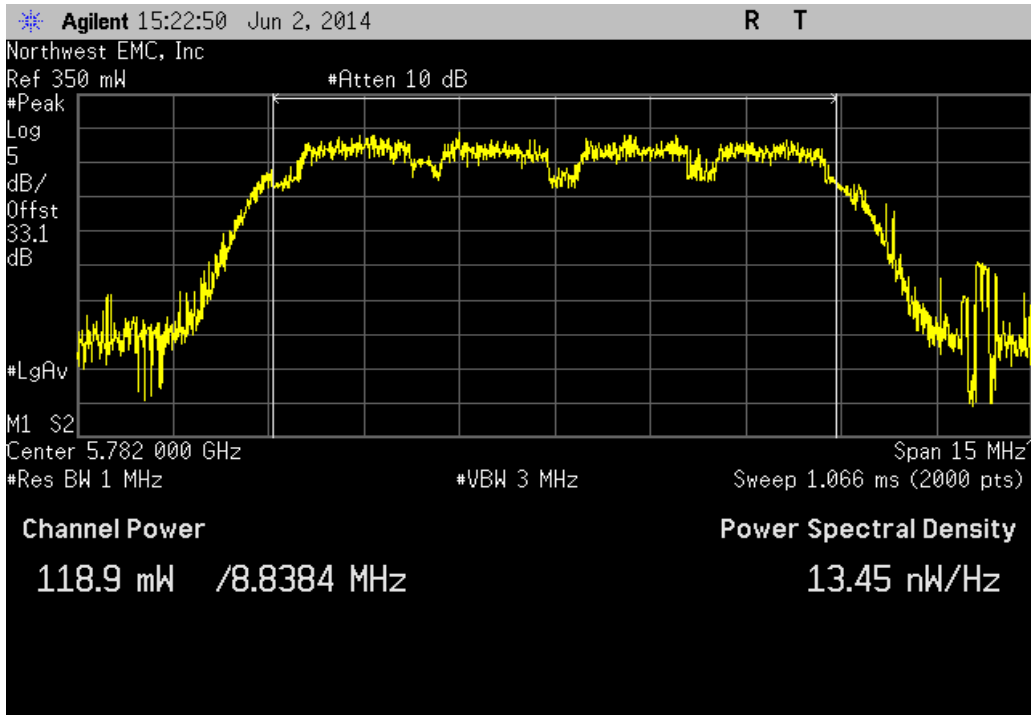
Chain 2, 5725 MHz - 5850 MHz Band, 10MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., Low Channel 672, 5742MHz

	Value	Limit	Result
	128.807 mW	< 1 W	Pass



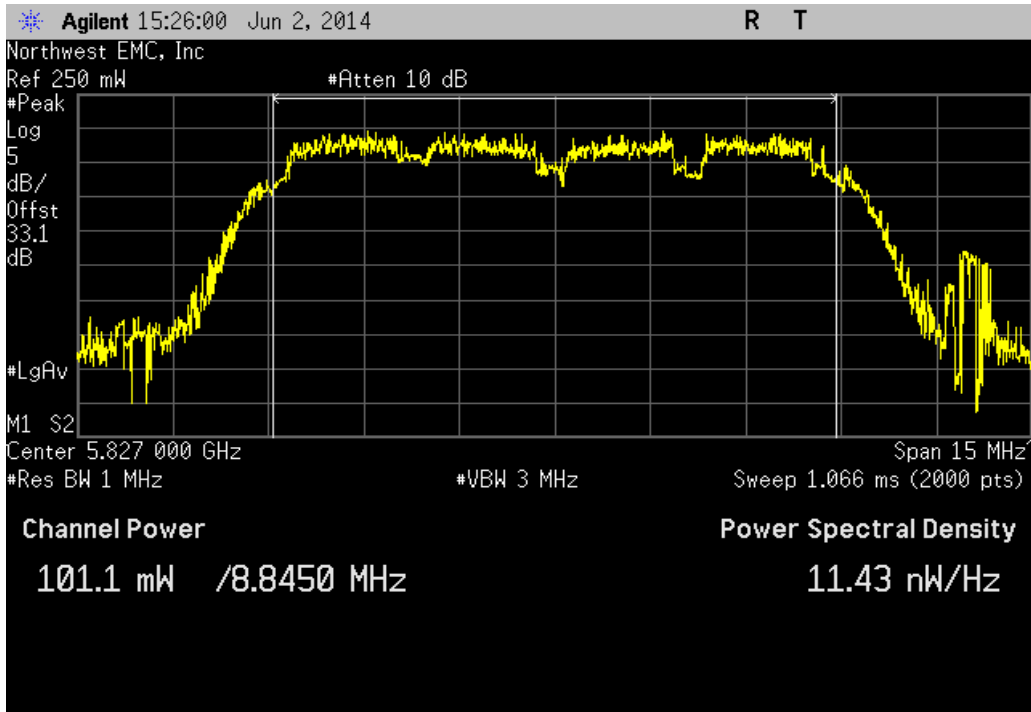
Chain 2, 5725 MHz - 5850 MHz Band, 10MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., Mid Channel 712, 5782MHz

Value	Limit	Result
118.906 mW	< 1 W	Pass



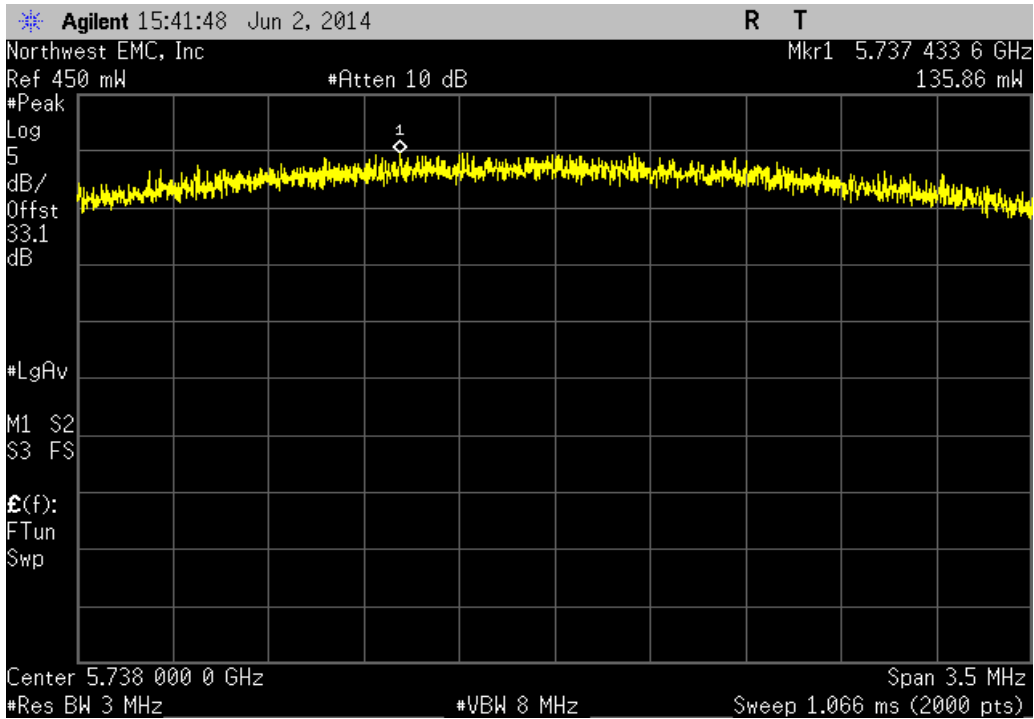
Chain 2, 5725 MHz - 5850 MHz Band, 10MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., High Channel 757, 5827MHz

Value	Limit	Result
101.139 mW	< 1 W	Pass



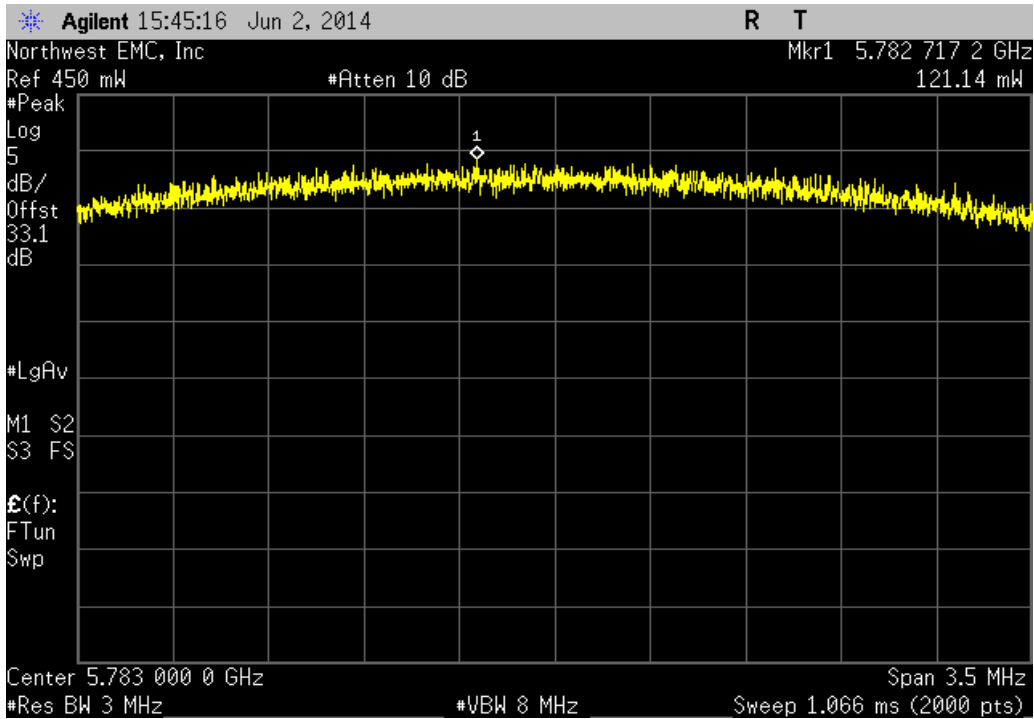
Chain 3, 5725 MHz - 5850 MHz Band, 2.5MHz Bandwidth, 3x3 Modulation Type, BPSK, Coding Rate, 1/2., Low Channel 668, 5738MHz

Value	Limit	Result
135.863 mW	< 1 W	Pass

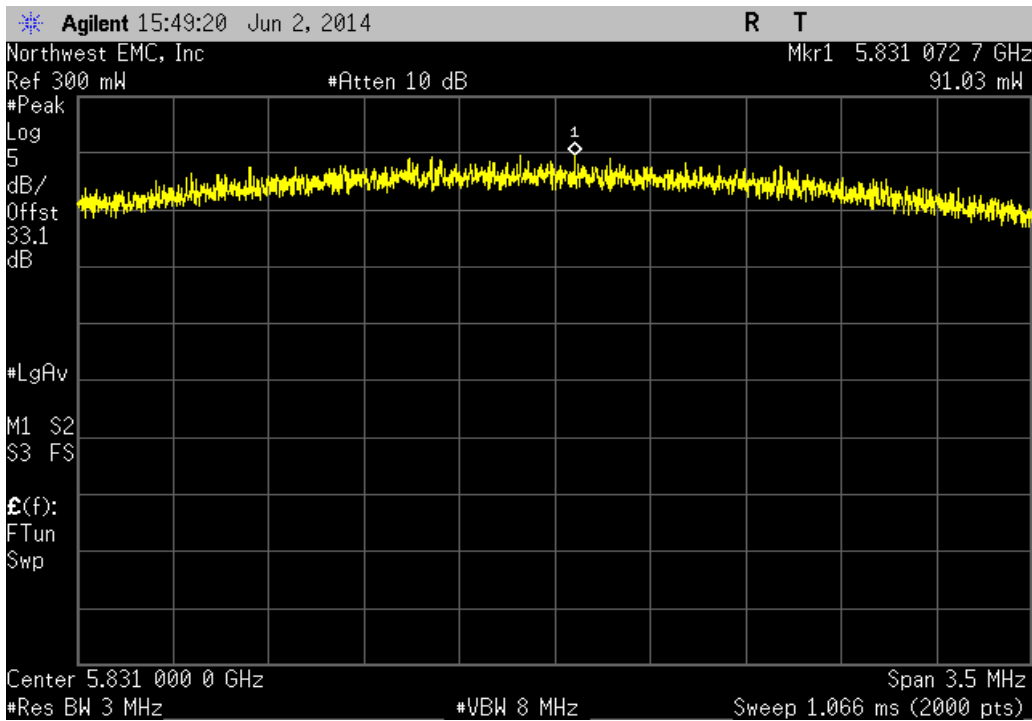


Chain 3, 5725 MHz - 5850 MHz Band, 2.5MHz Bandwidth, 3x3 Modulation Type, BPSK, Coding Rate, 1/2., Mid Channel 713, 5783MHz

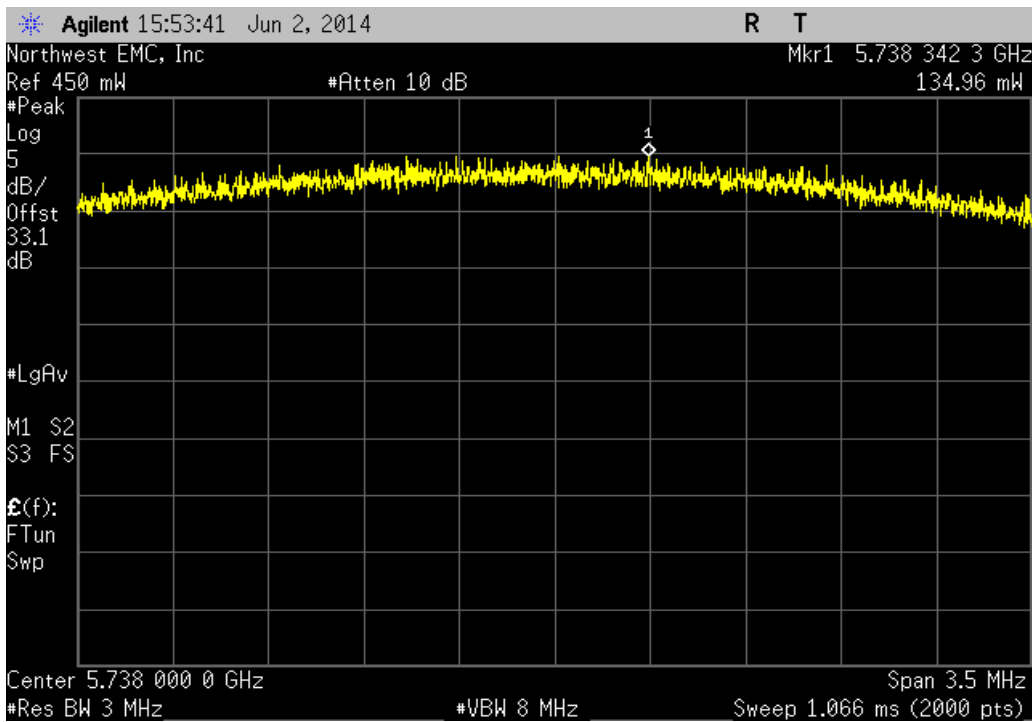
Value	Limit	Result
121.143 mW	< 1 W	Pass



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

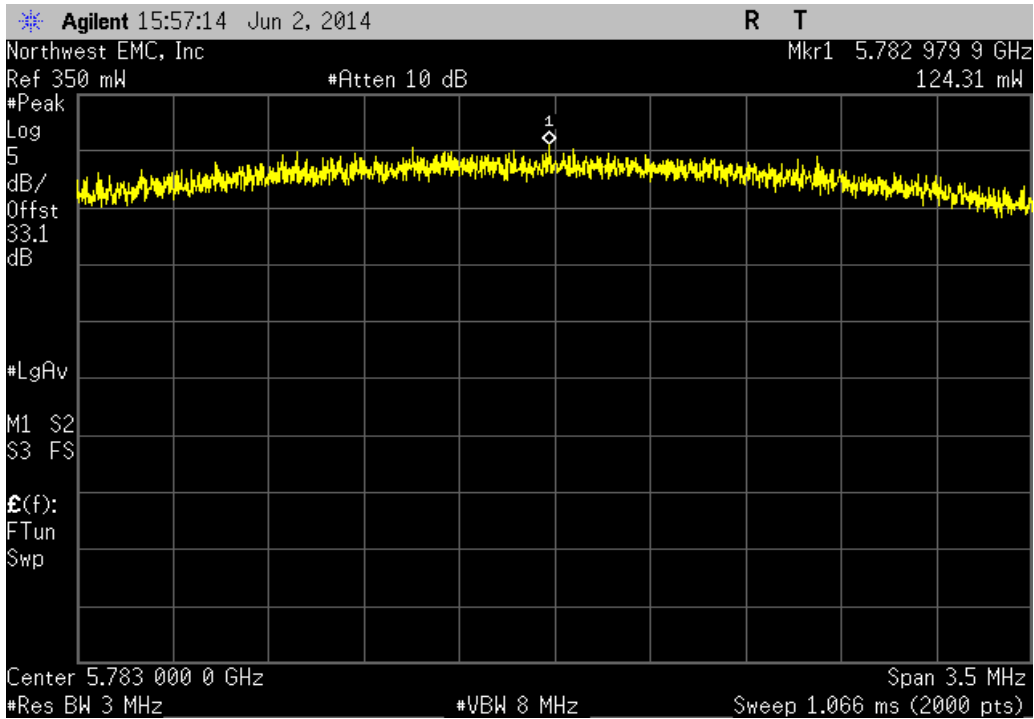


Chain 3, 5725 MHz - 5850 MHz Band, 2.5MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., Low Channel 668, 5738MHz			
	Value	Limit	Result
	134.958 mW	< 1 W	Pass



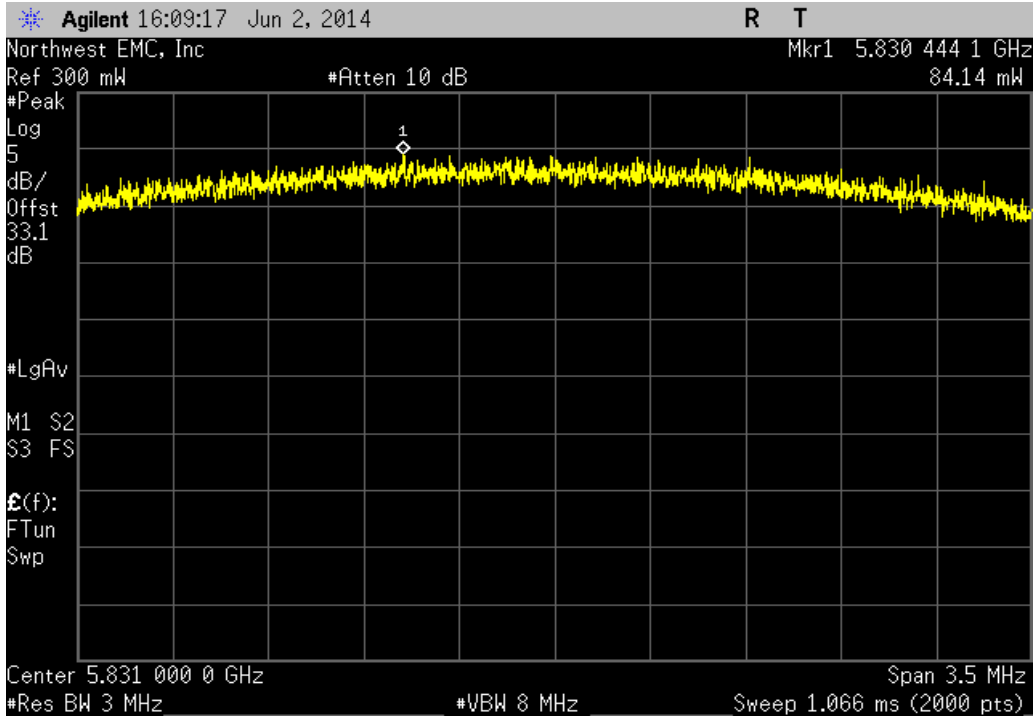
Chain 3, 5725 MHz - 5850 MHz Band, 2.5MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., Mid Channel 713, 5783MHz

Value	Limit	Result
124.308 mW	< 1 W	Pass



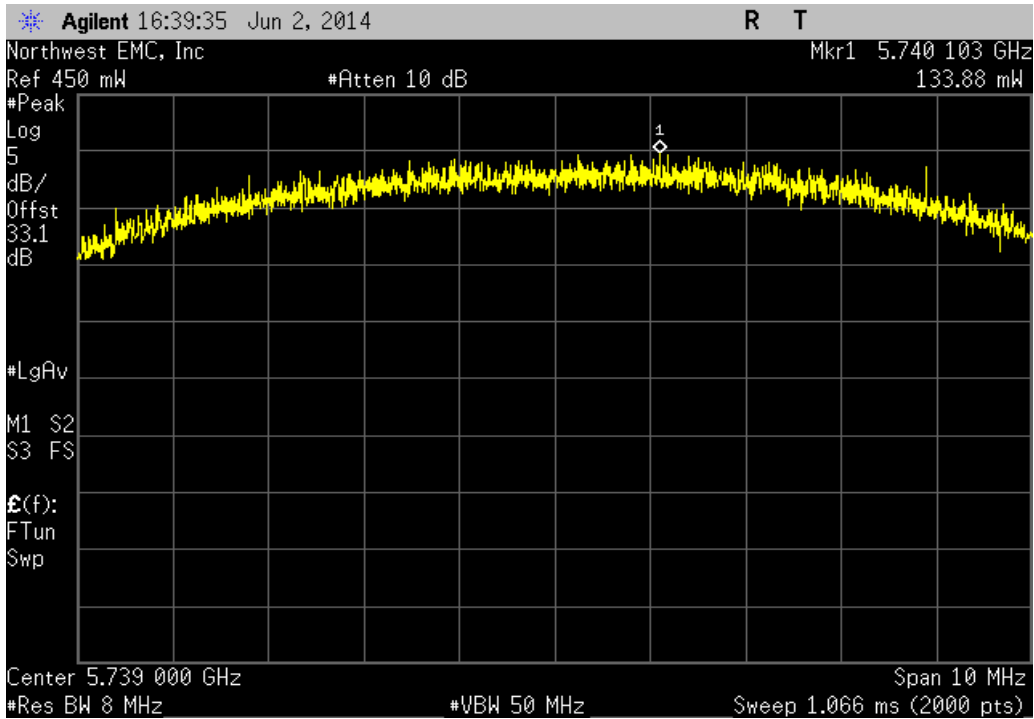
Chain 3, 5725 MHz - 5850 MHz Band, 2.5MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., High Channel 761, 5831MHz

Value	Limit	Result
84.14 mW	< 1 W	Pass



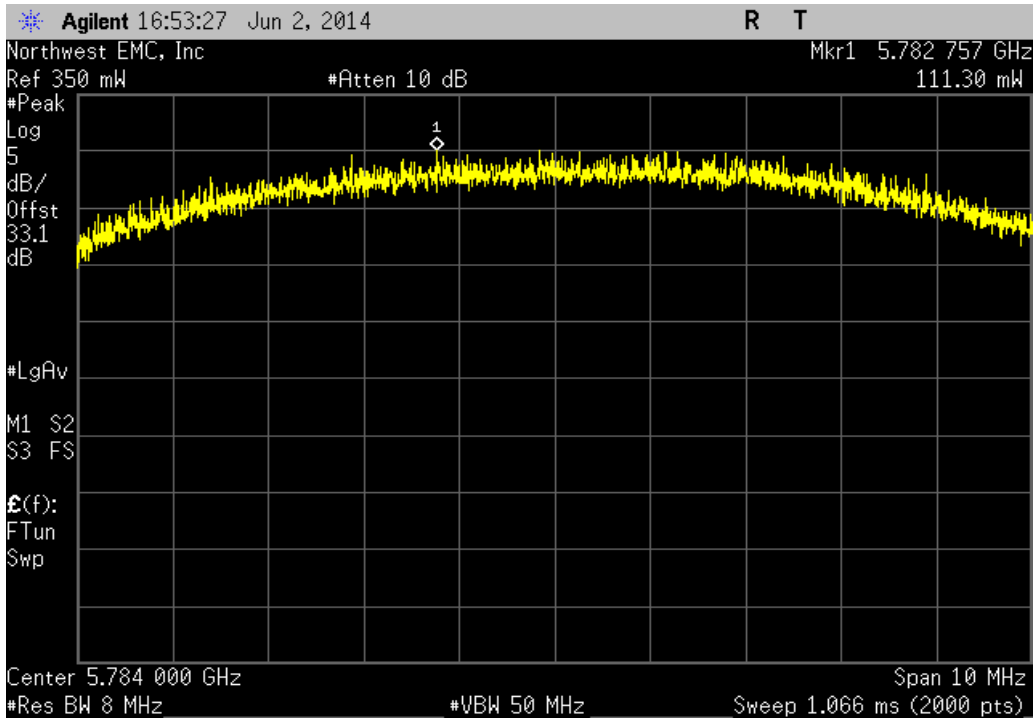
Chain 3, 5725 MHz - 5850 MHz Band, 5MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., Low Channel 669, 5739MHz

Value	Limit	Result
133.875 mW	< 1 W	Pass



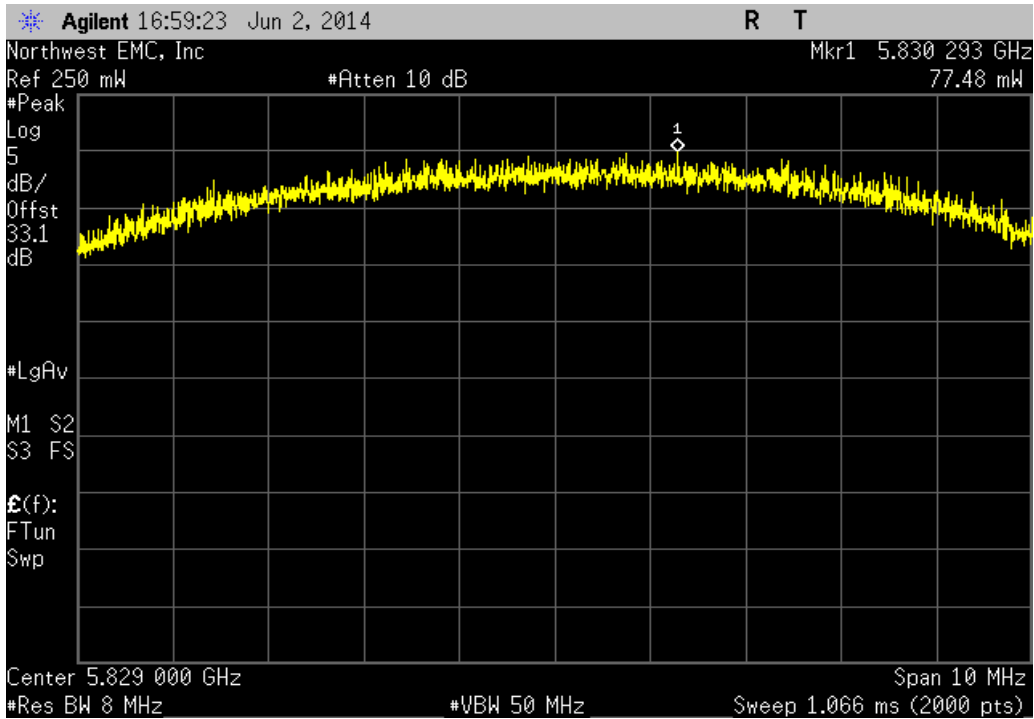
Chain 3, 5725 MHz - 5850 MHz Band, 5MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., Mid Channel 714, 5784MHz

Value	Limit	Result
111.301 mW	< 1 W	Pass



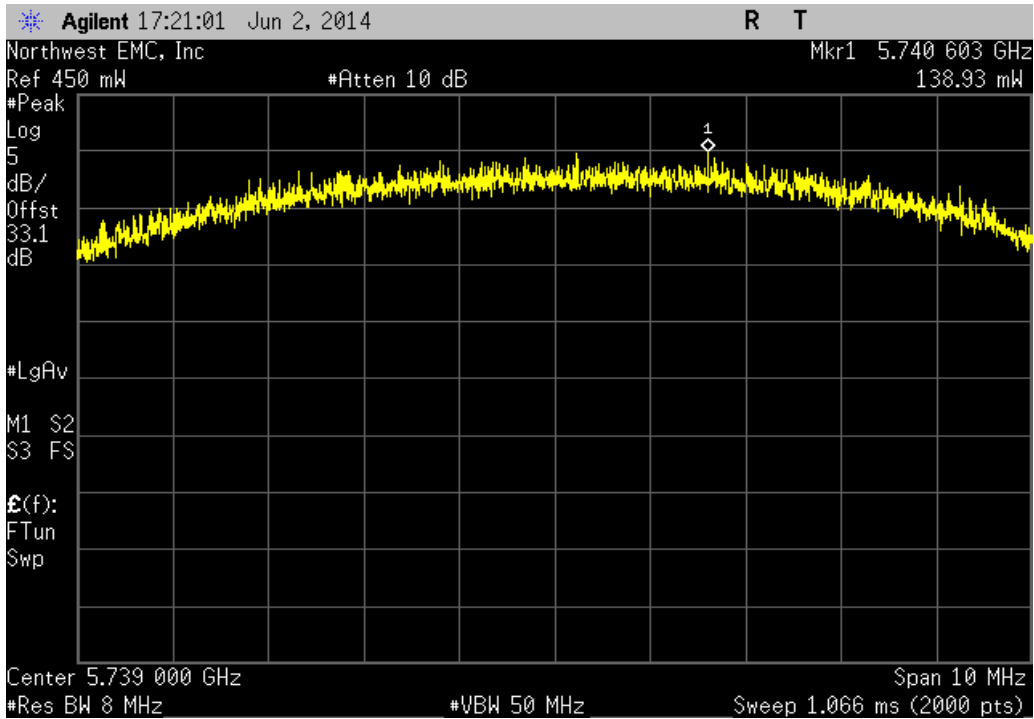
Chain 3, 5725 MHz - 5850 MHz Band, 5MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., High Channel 759, 5829MHz

Value	Limit	Result
77.482 mW	< 1 W	Pass



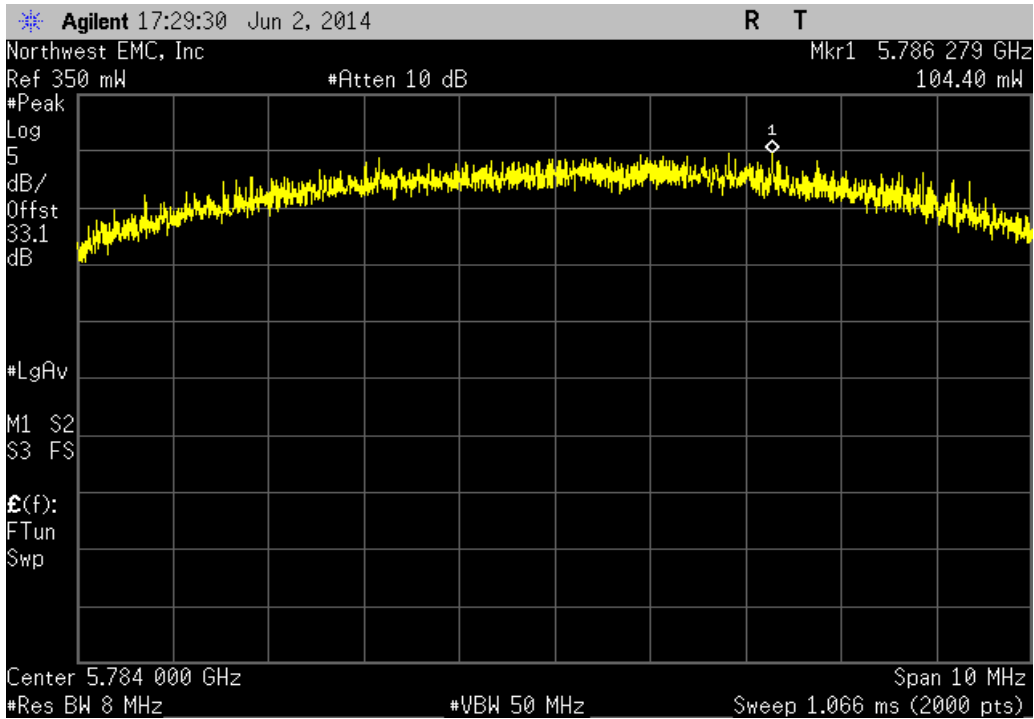
Chain 3, 5725 MHz - 5850 MHz Band, 5MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., Low Channel 669, 5739MHz

Value	Limit	Result
138.931 mW	< 1 W	Pass



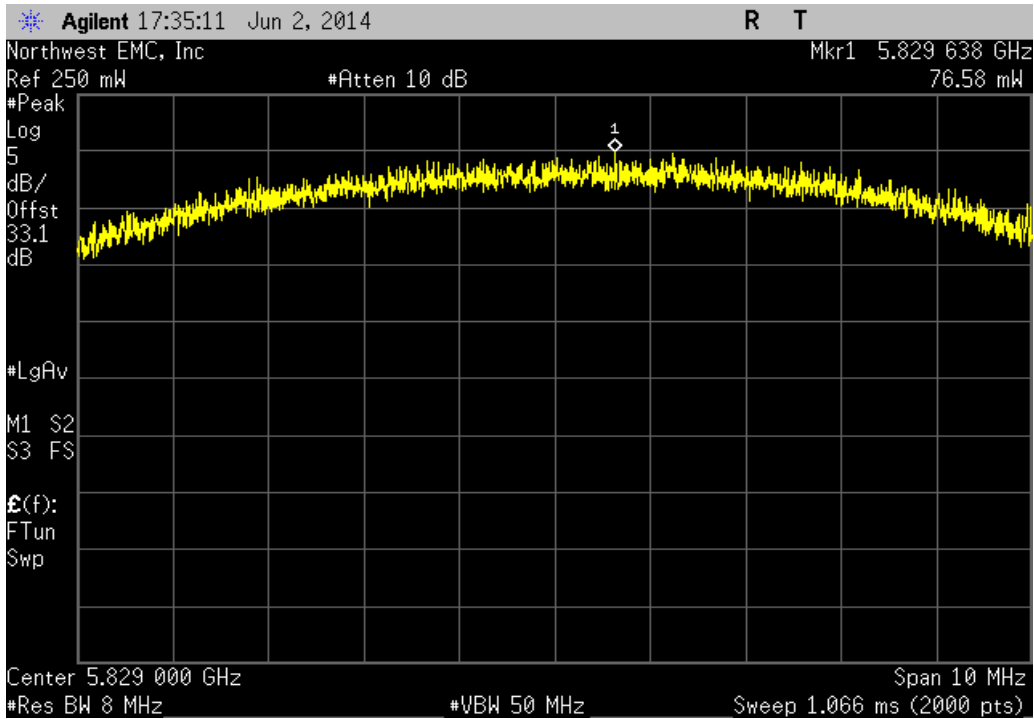
Chain 3, 5725 MHz - 5850 MHz Band, 5MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., Mid Channel 714, 5784MHz

Value	Limit	Result
104.4 mW	< 1 W	Pass



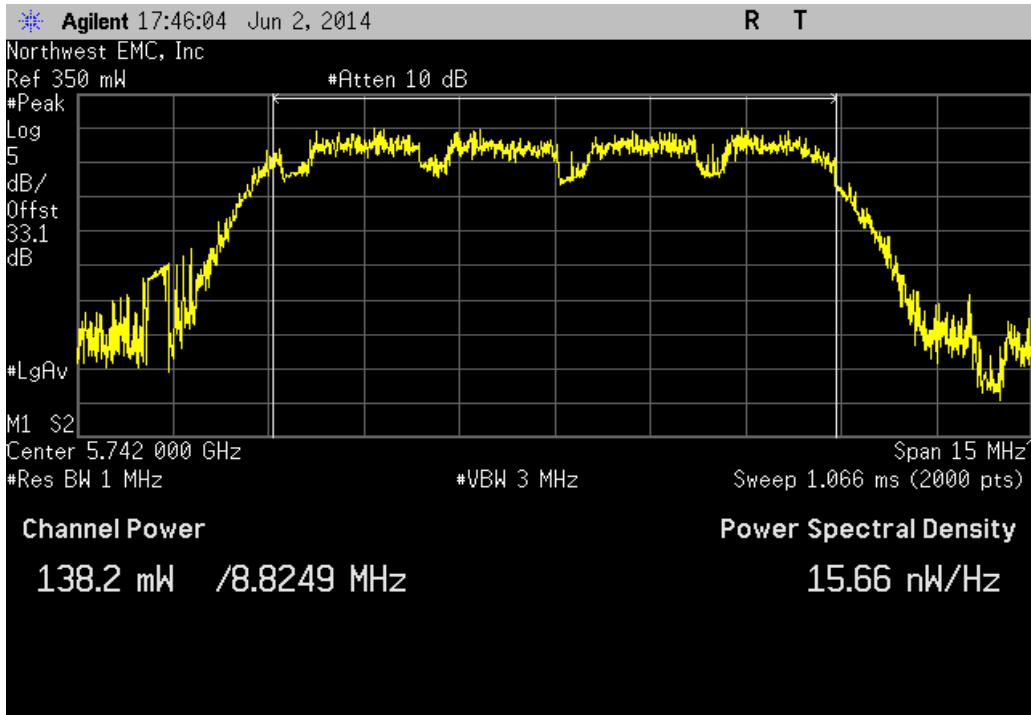
Chain 3, 5725 MHz - 5850 MHz Band, 5MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., High Channel 759, 5829MHz

Value	Limit	Result
76.577 mW	< 1 W	Pass



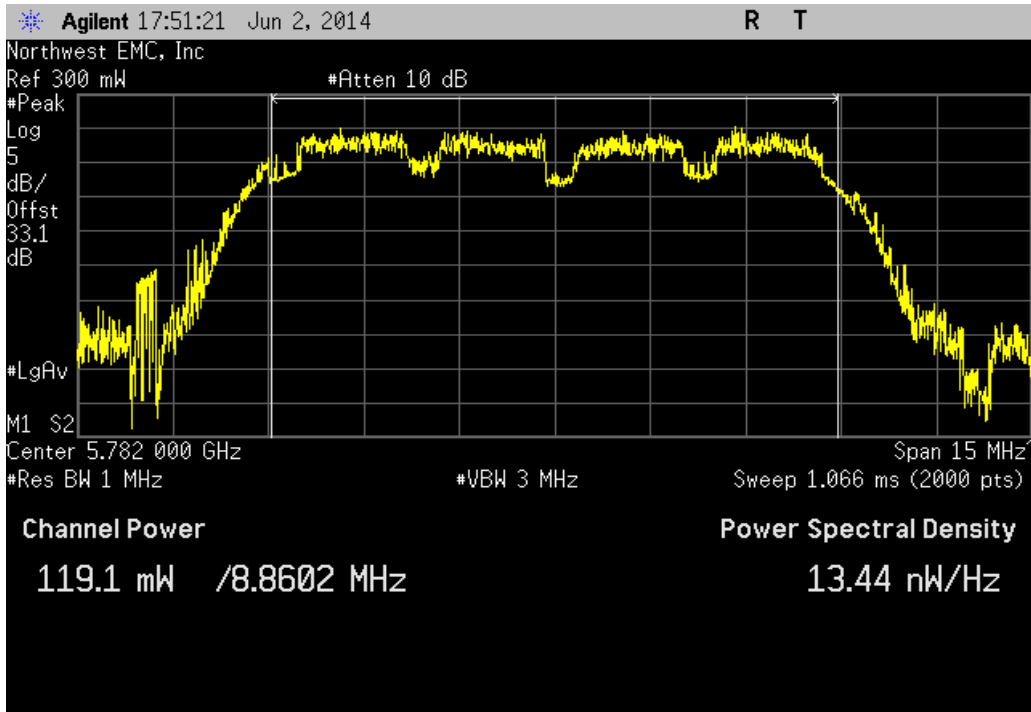
Chain 3, 5725 MHz - 5850 MHz Band, 10MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., Low Channel 672, 5742MHz

	Value	Limit	Result
	138.201 mW	< 1 W	Pass



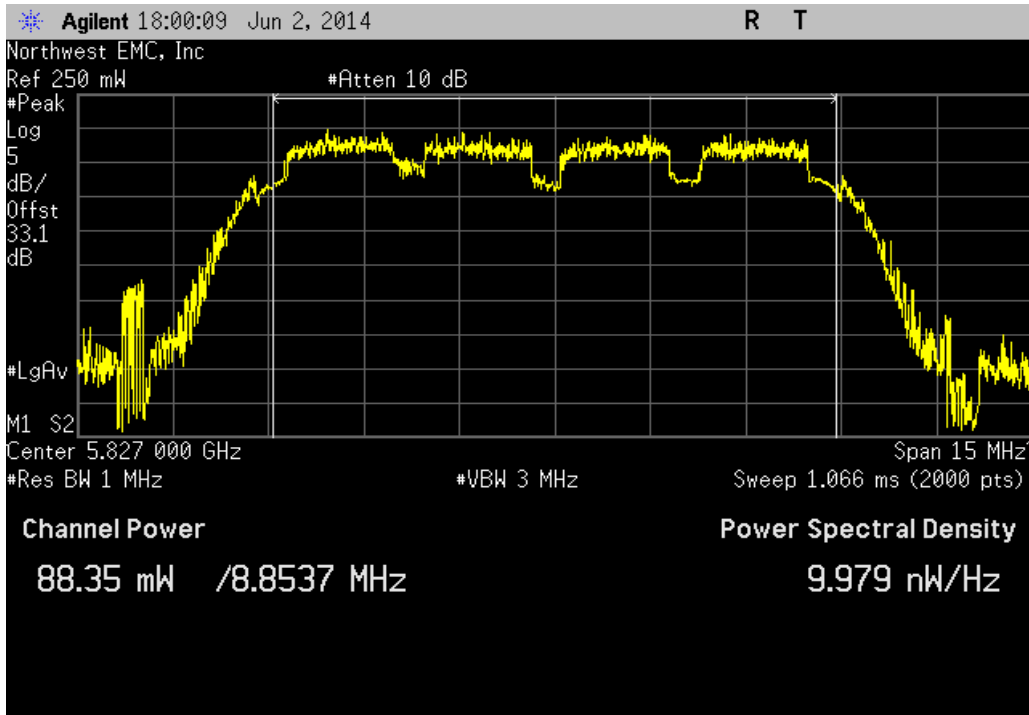
Chain 3, 5725 MHz - 5850 MHz Band, 10MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., Mid Channel 712, 5782MHz

	Value	Limit	Result
	119.096 mW	< 1 W	Pass



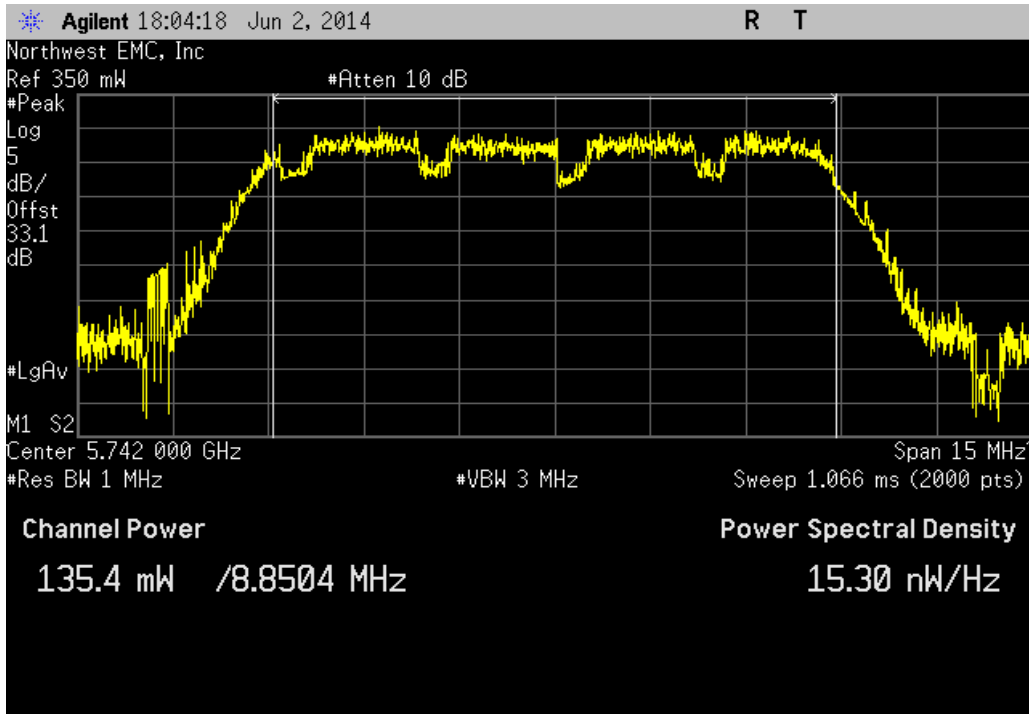
Chain 3, 5725 MHz - 5850 MHz Band, 10MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., High Channel 757, 5827MHz

	Value	Limit	Result
	88.351 mW	< 1 W	Pass



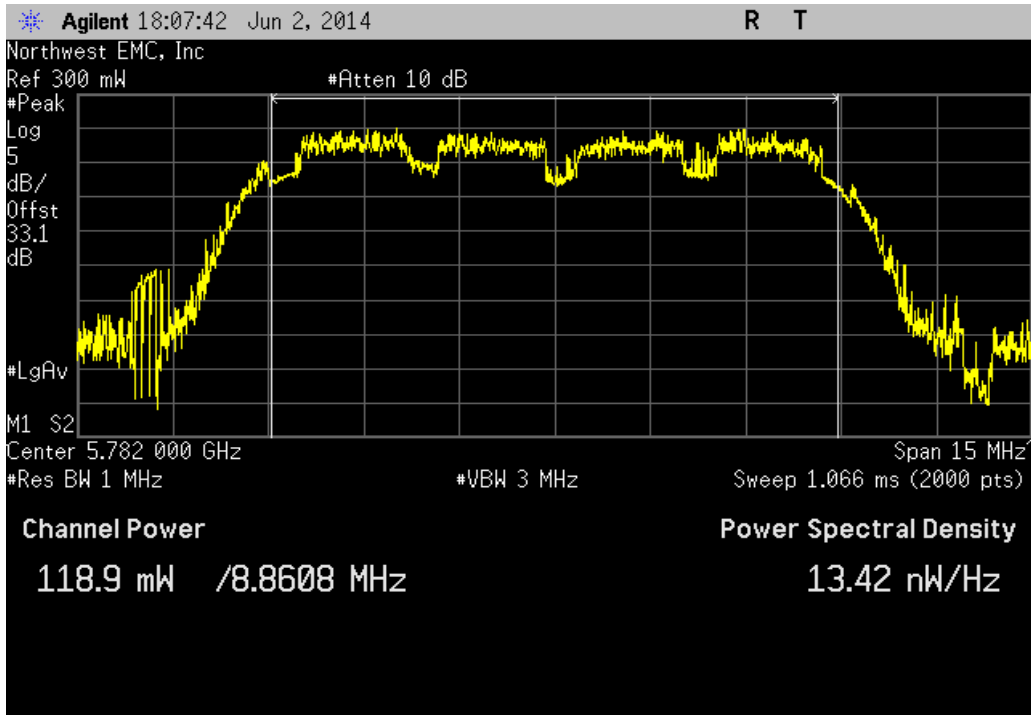
Chain 3, 5725 MHz - 5850 MHz Band, 10MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., Low Channel 672, 5742MHz

	Value	Limit	Result
	135.421 mW	< 1 W	Pass



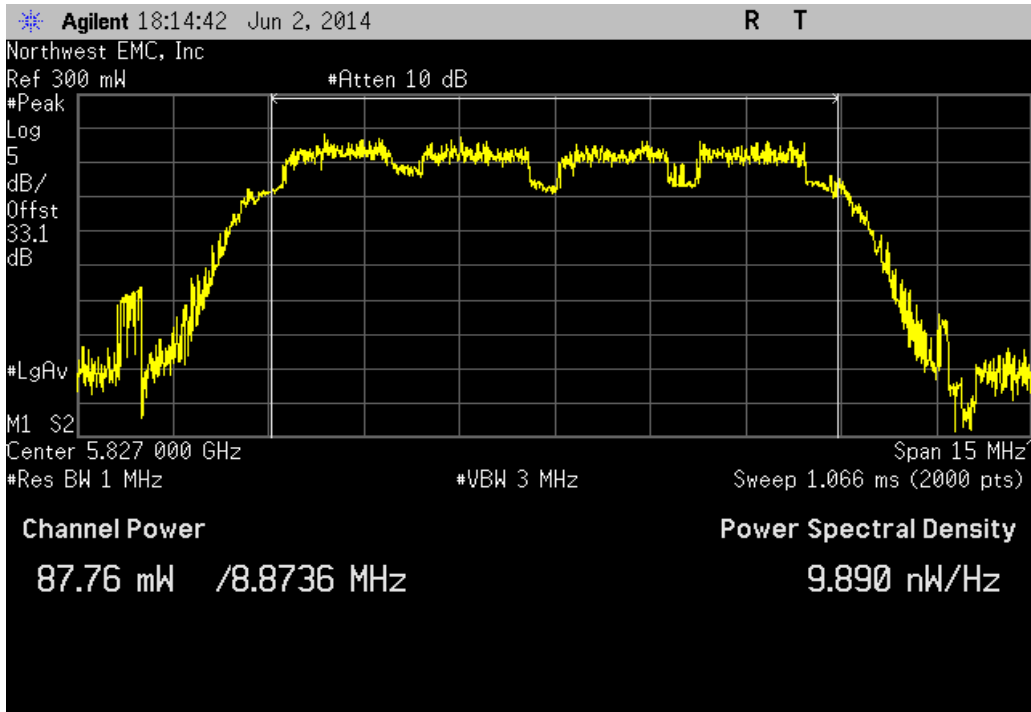
Chain 3, 5725 MHz - 5850 MHz Band, 10MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., Mid Channel 712, 5782MHz

	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:

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

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.

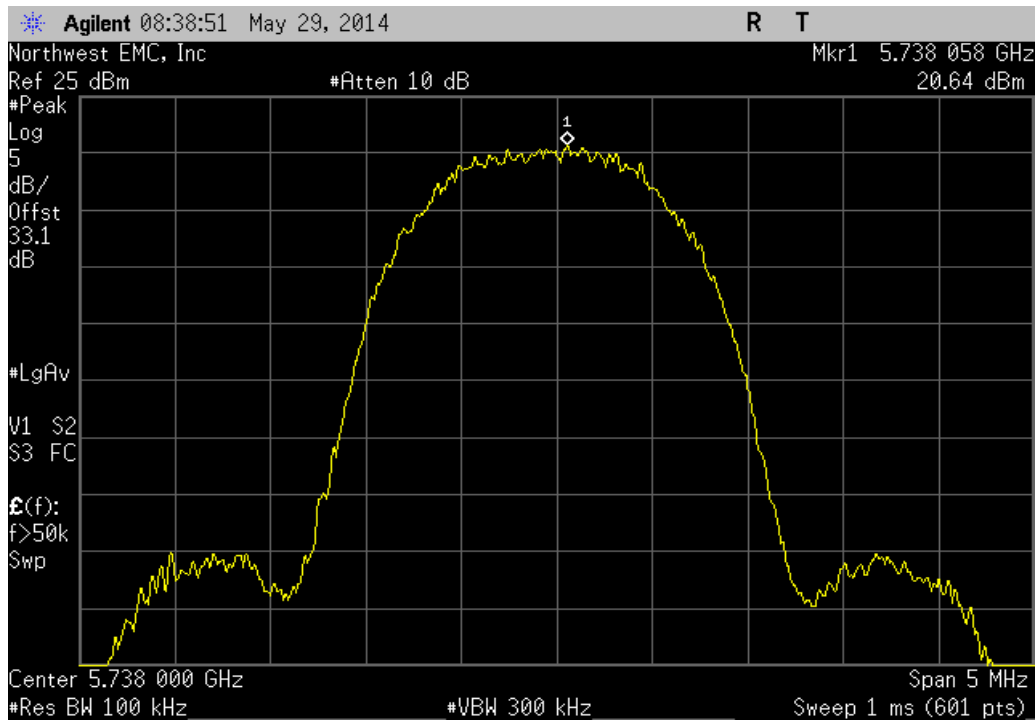
DEVIATIONS FROM TEST STANDARD

Configuration #	1	Signature 
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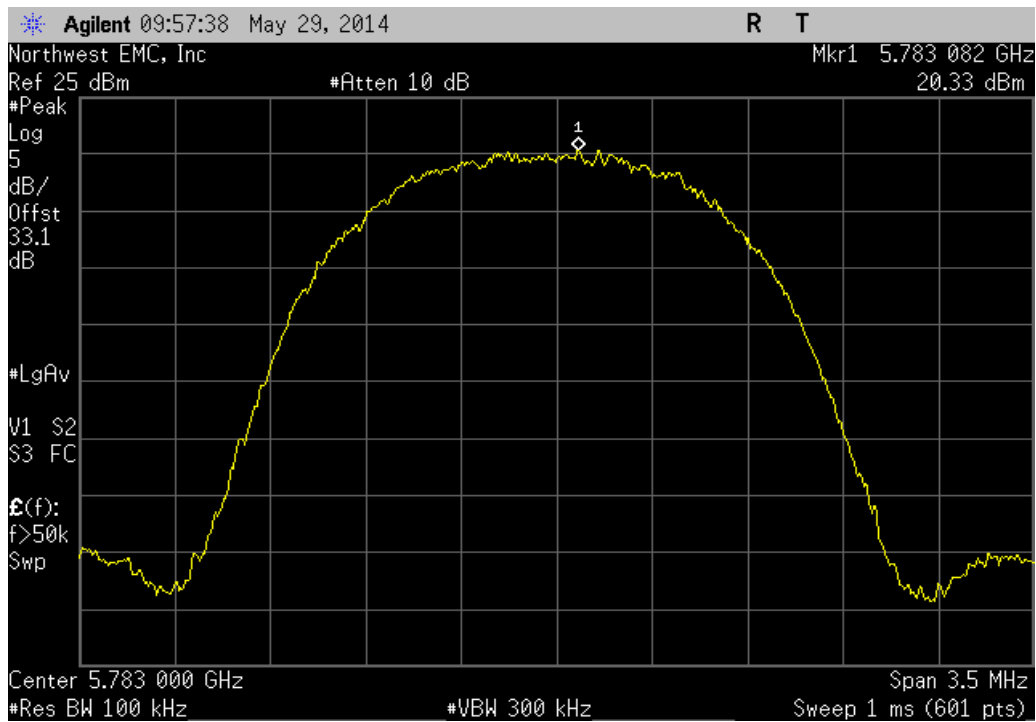
	Value	dBm/100kHz	Value	Limit	Result
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	

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

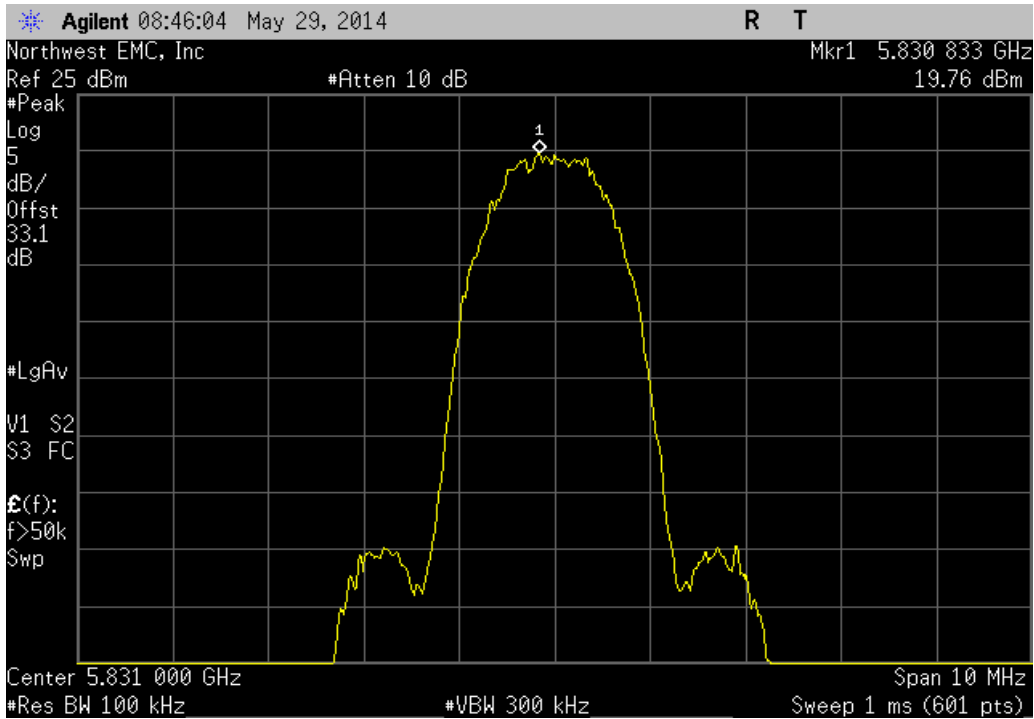
Chain 1, 5725 MHz - 5825 MHz Band, 2.5 MHz, Modulation Type, BPSK, Coding Rate, 1/2, Low Channel 5738 MHz						
	Value	dBm/100kHz	To dBm/3kHz	Value	Limit	Result
	20.642	-15.2		5.442	8	Pass



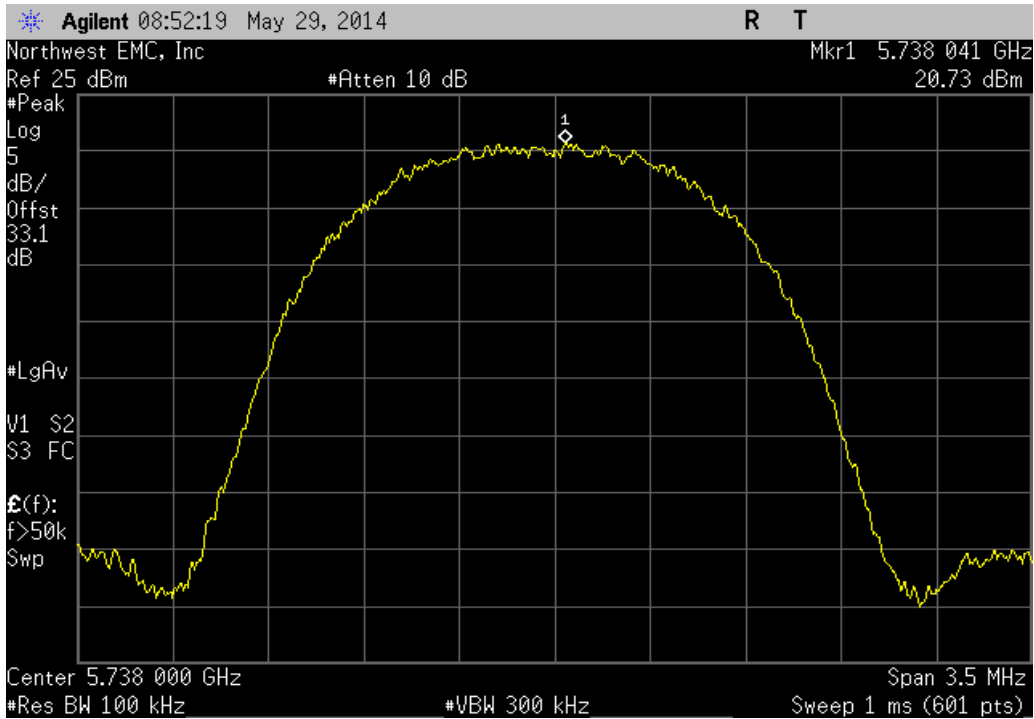
Chain 1, 5725 MHz - 5825 MHz Band, 2.5 MHz, Modulation Type, BPSK, Coding Rate, 1/2, Mid Channel 5783 MHz						
	Value	dBm/100kHz	To dBm/3kHz	Value	Limit	Result
	20.329	-15.2		5.129	8	Pass



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

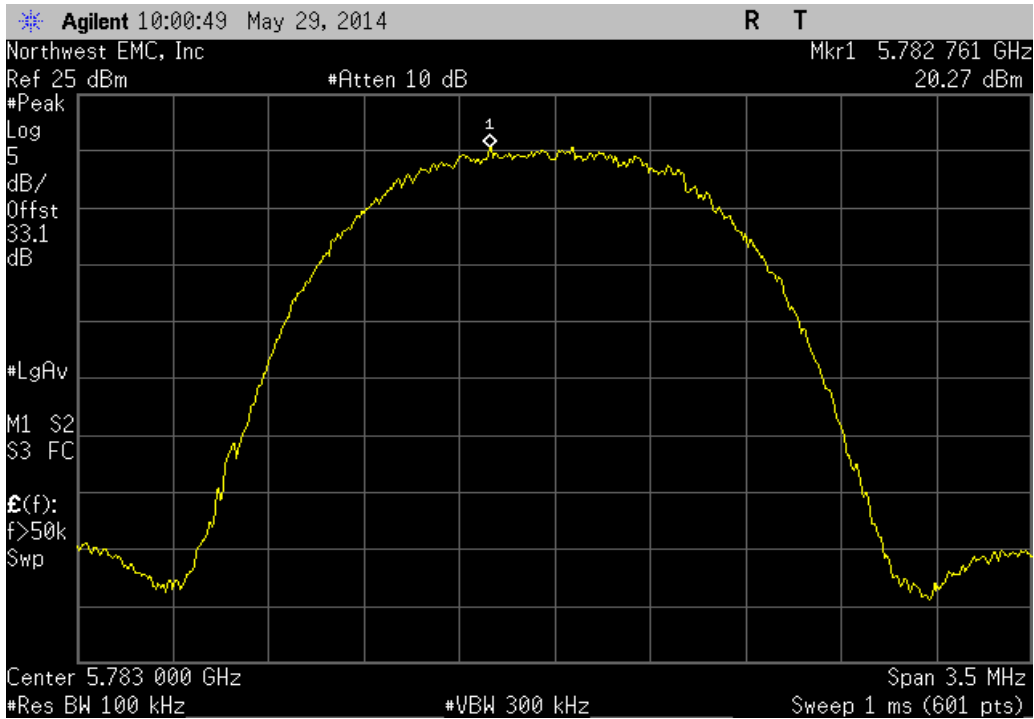


Chain 1, 5725 MHz - 5825 MHz Band, 2.5 MHz, Modulation Type, 16-QAM, Coding Rate, 3/4., Low Channel 5738 MHz						
	Value	dBm/100kHz	To dBm/3kHz	Value	Limit	Result
	20.731	-15.2	5.531	8	Pass	



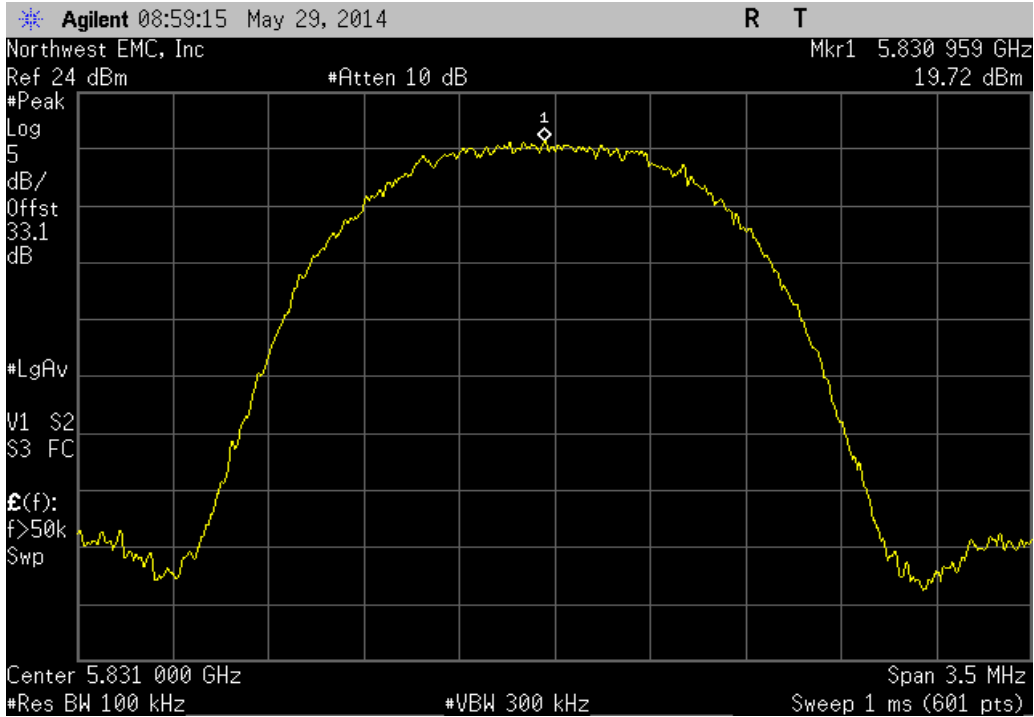
Chain 1, 5725 MHz - 5825 MHz Band, 2.5 MHz, Modulation Type, 16-QAM, Coding Rate, 3/4., Mid Channel 5783 MHz

	Value	dBm/100kHz	To dBm/3kHz	Value	Limit	Result
	dBm/100kHz			dBm/3kHz	dBm/3kHz	
	20.266		-15.2	5.066	8	Pass



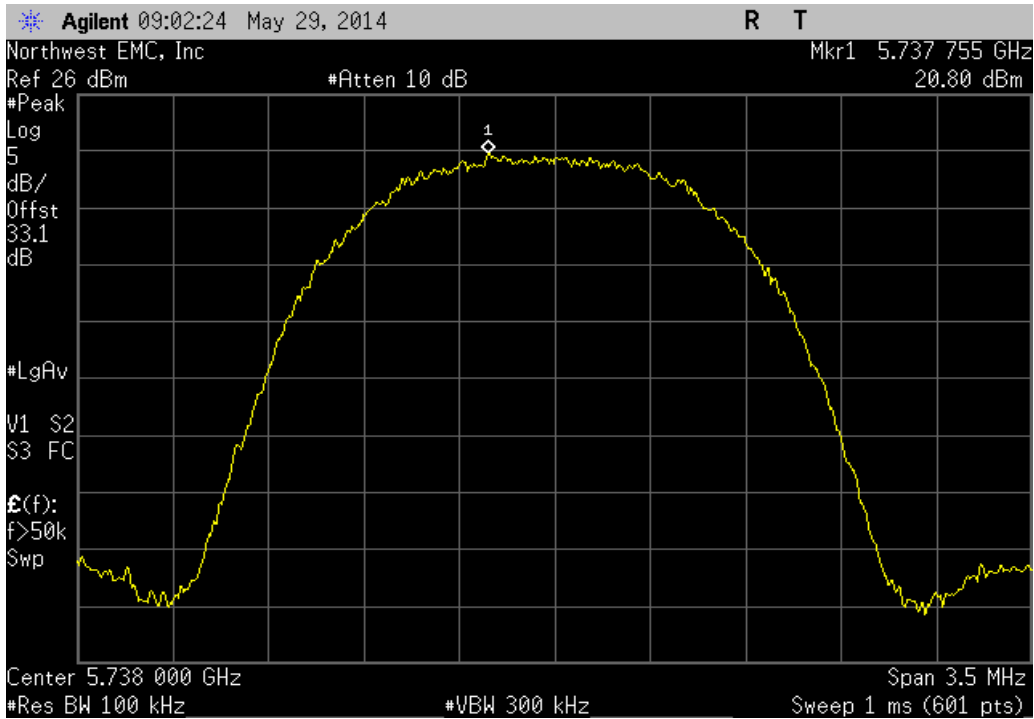
Chain 1, 5725 MHz - 5825 MHz Band, 2.5 MHz, Modulation Type, 16-QAM, Coding Rate, 3/4., High Channel 5831 MHz

	Value	dBm/100kHz	To dBm/3kHz	Value	Limit	Result
	dBm/100kHz			dBm/3kHz	dBm/3kHz	
	19.716		-15.2	4.516	8	Pass



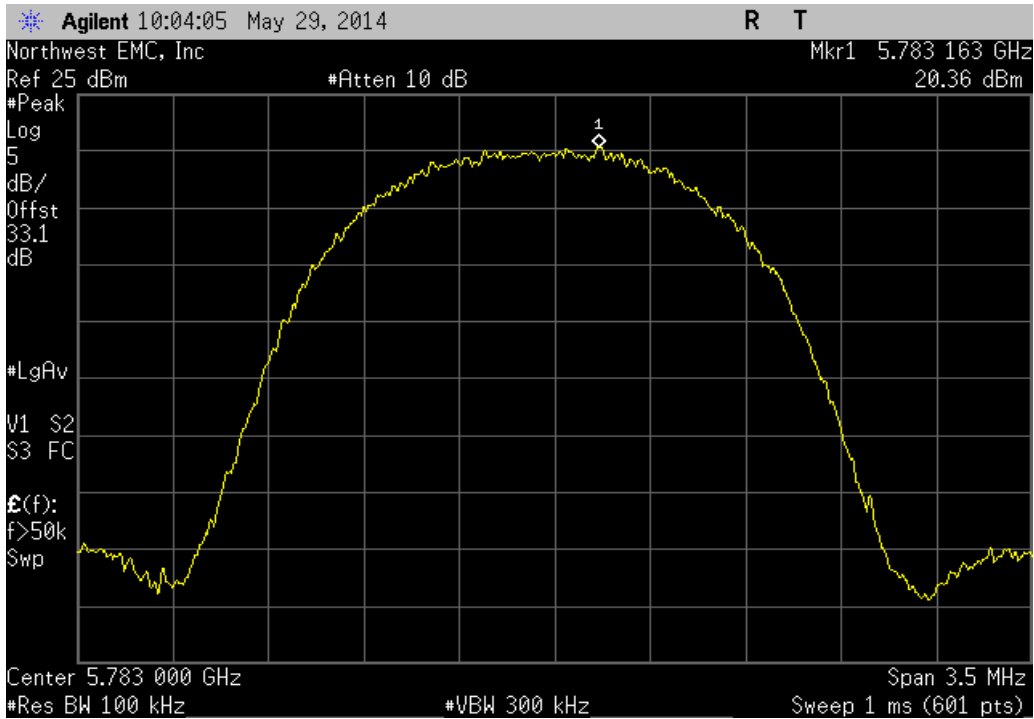
Chain 1, 5725 MHz - 5825 MHz Band, 2.5 MHz, Modulation Type, 64-QAM, Coding Rate, 3/4., Low Channel 5738 MHz

	Value	dBm/100kHz	To dBm/3kHz	Value	Limit	Result
	dBm/100kHz			dBm/3kHz	dBm/3kHz	
	20.798		-15.2	5.598	8	Pass



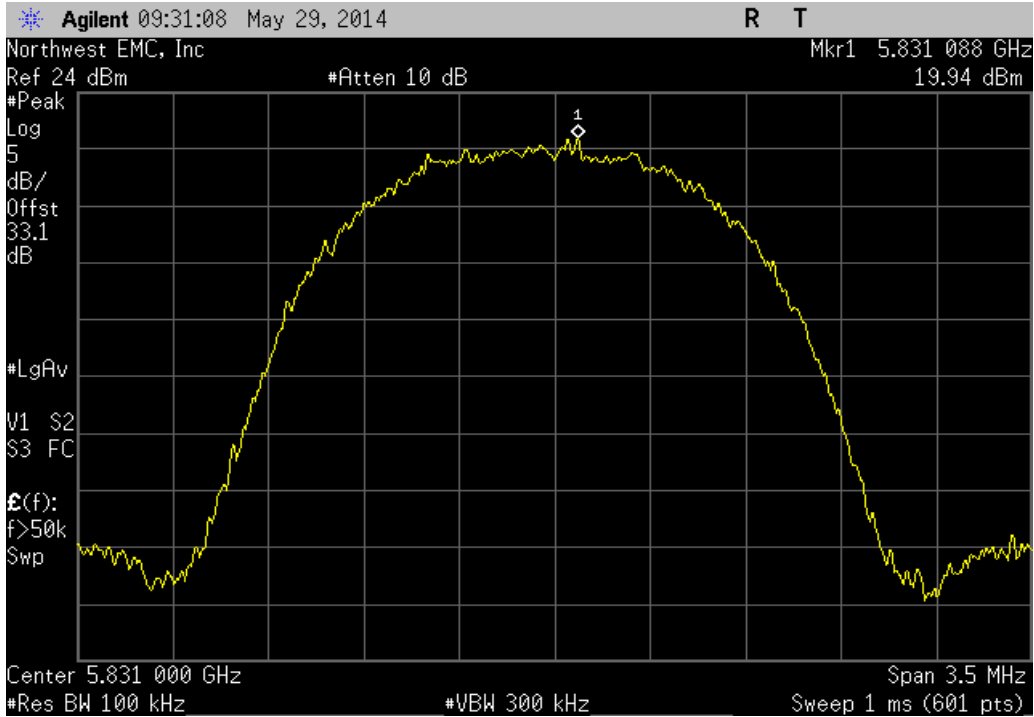
Chain 1, 5725 MHz - 5825 MHz Band, 2.5 MHz, Modulation Type, 64-QAM, Coding Rate, 3/4., Mid Channel 5783 MHz

	Value	dBm/100kHz	To dBm/3kHz	Value	Limit	Result
	dBm/100kHz			dBm/3kHz	dBm/3kHz	
	20.361		-15.2	5.161	8	Pass



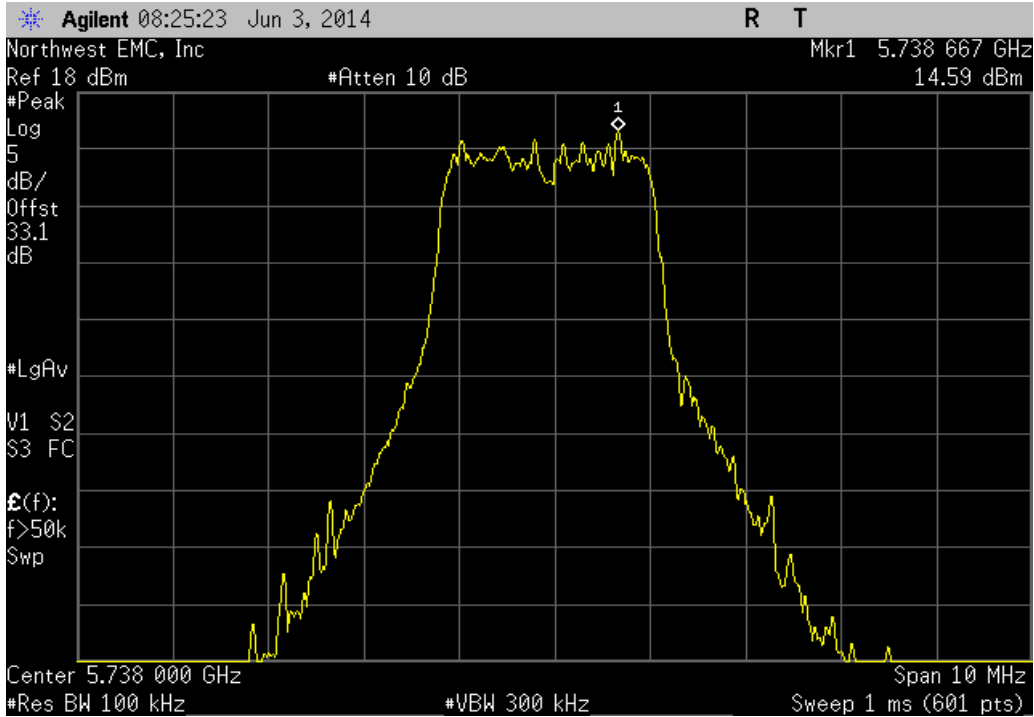
Chain 1, 5725 MHz - 5825 MHz Band, 2.5 MHz, Modulation Type, 64-QAM, Coding Rate, 3/4., High Channel 5831 MHz

	Value	dBm/100kHz	To dBm/3kHz	Value	Limit	Result
	19.94	-15.2		4.74	8	Pass

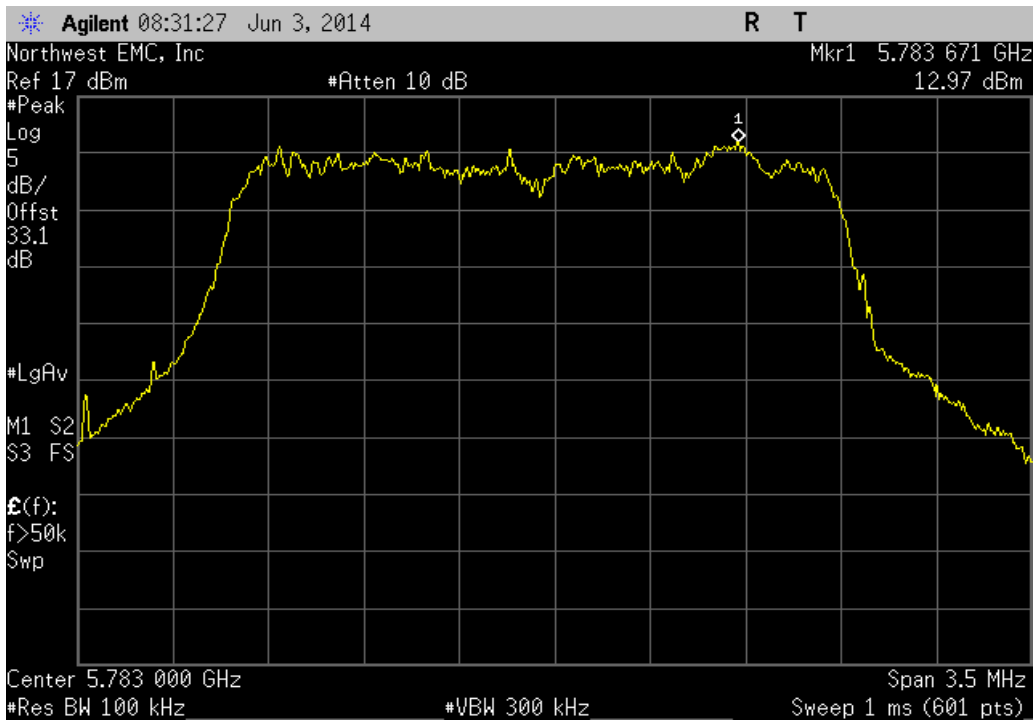


Chain 1, 5725 MHz - 5825 MHz Band, 2.5 MHz, Modulation Type, BPSK, Coding Rate, 1/2., Low Channel 5738 MHz

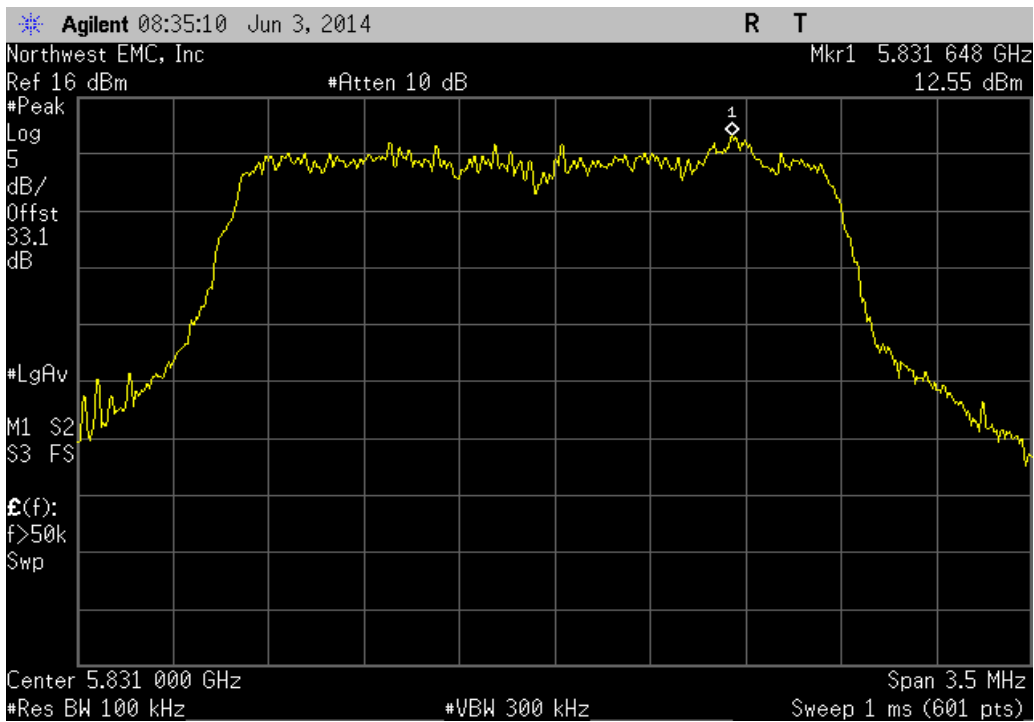
	Value	dBm/100kHz	To dBm/3kHz	Value	Limit	Result
	14.591	-15.2		-0.609	8	Pass



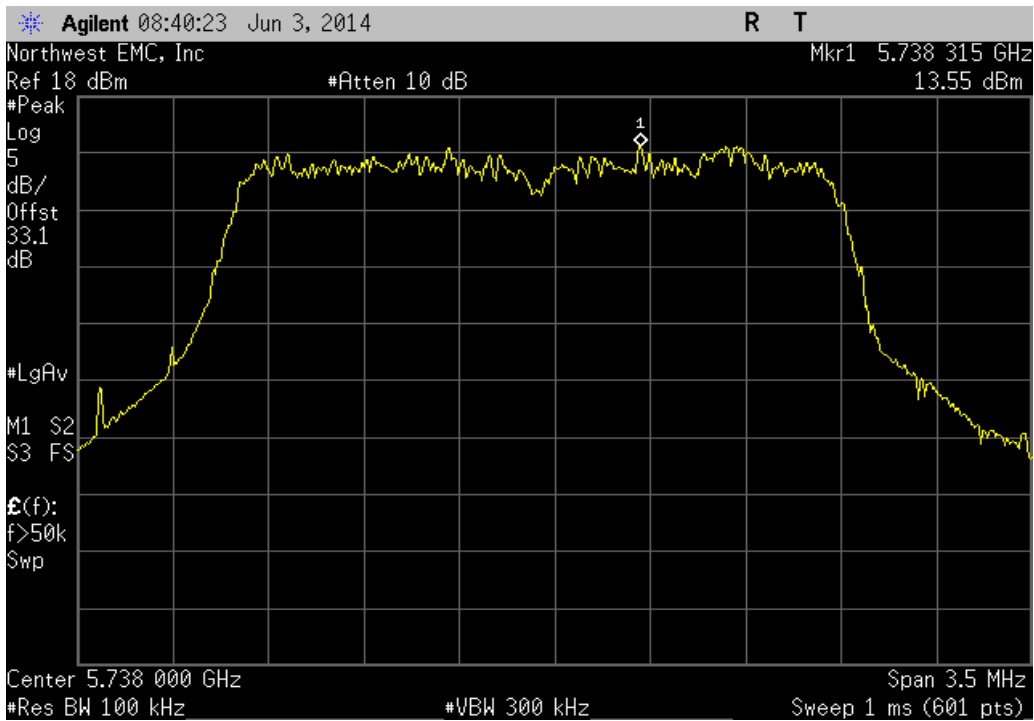
Chain 1, 5725 MHz - 5825 MHz Band, 2.5 MHz, Modulation Type, BPSK, Coding Rate, 1/2, Mid Channel 5783 MHz						
	Value	dBm/100kHz	Value	Limit		
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	Result	
	12.972	-15.2	-2.228	8	Pass	



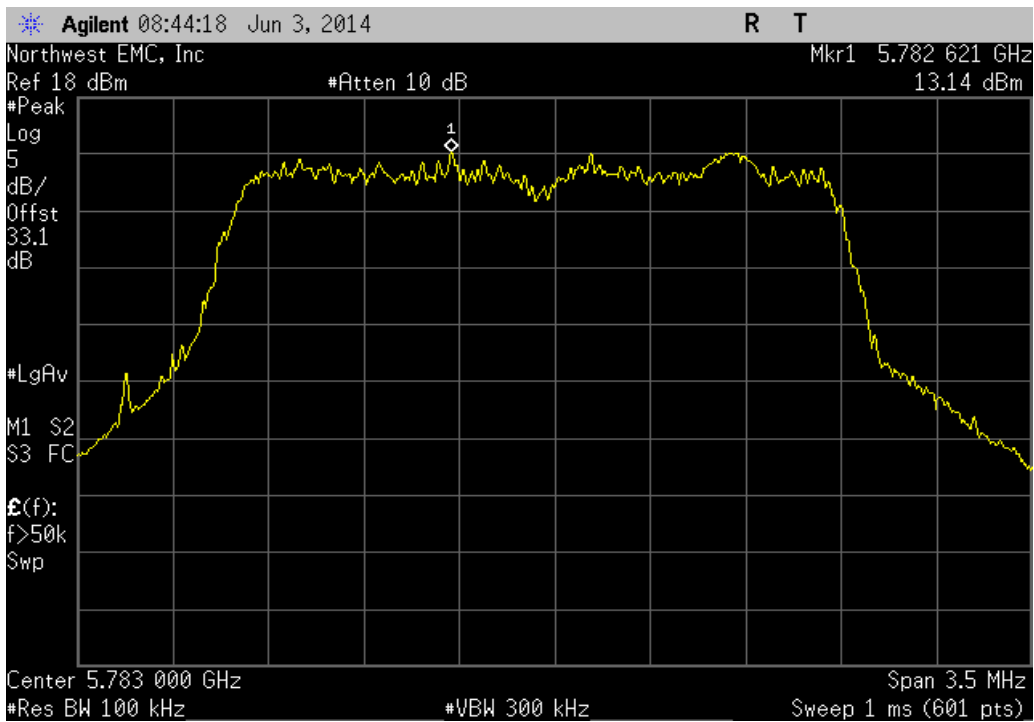
Chain 1, 5725 MHz - 5825 MHz Band, 2.5 MHz, Modulation Type, BPSK, Coding Rate, 1/2, High Channel 5831 MHz						
	Value	dBm/100kHz	Value	Limit		
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	Result	
	12.549	-15.2	-2.651	8	Pass	



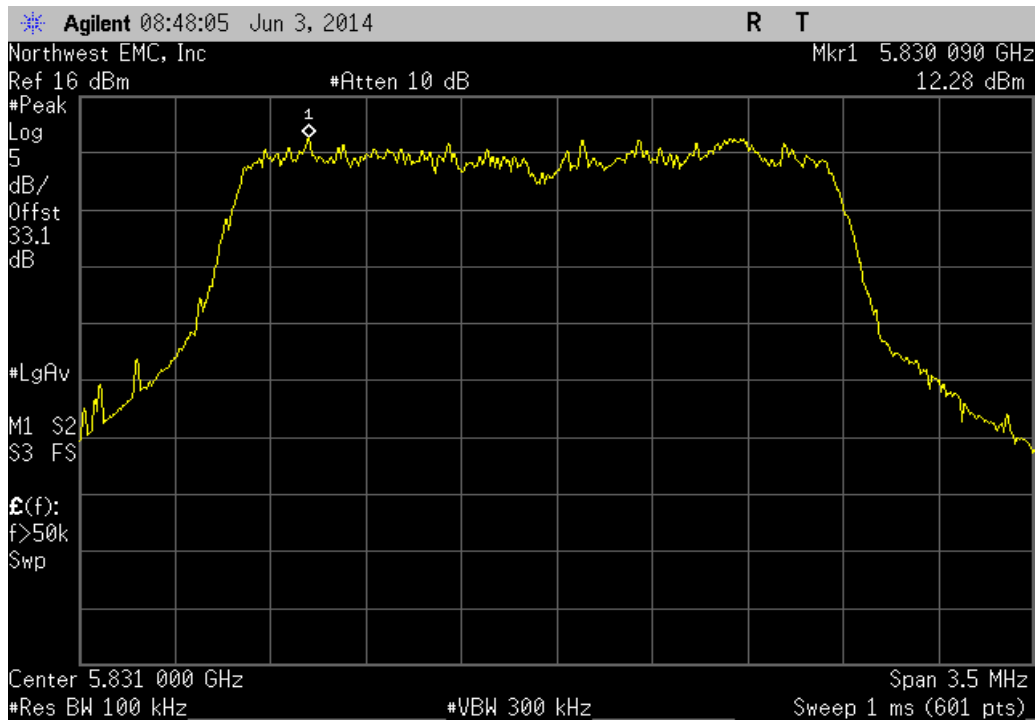
Chain 1, 5725 MHz - 5825 MHz Band, 2.5 MHz, Modulation Type, 64-QAM, Coding Rate, 5/6., Low Channel 5738 MHz					
	Value	dBm/100kHz	Value	Limit	
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	Result
	13.552	-15.2	-1.648	8	Pass



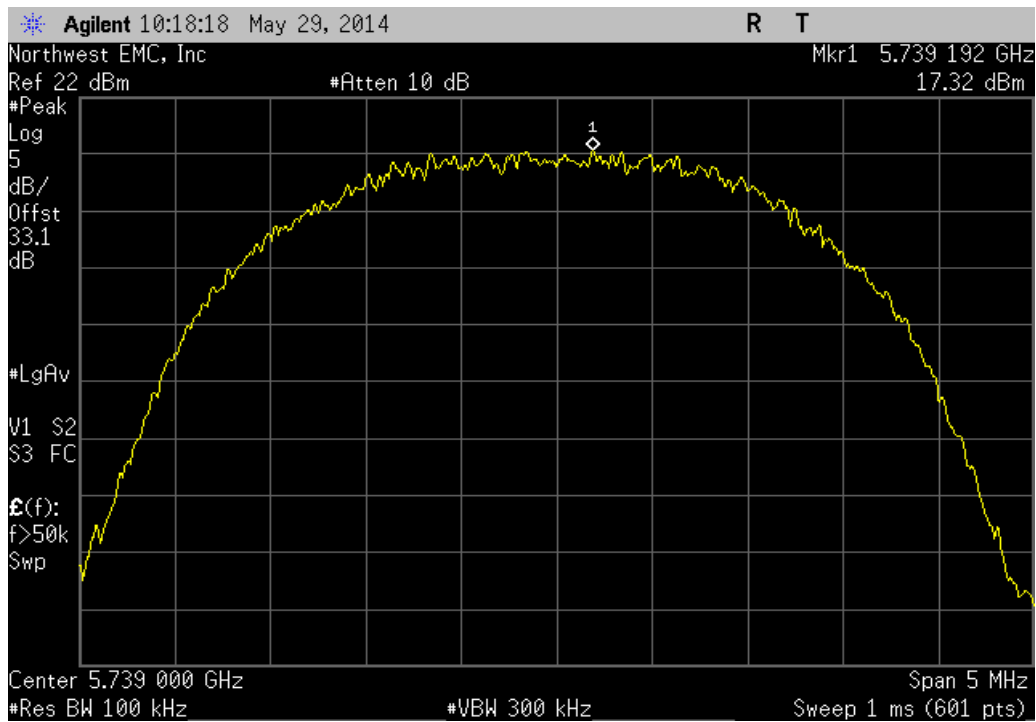
Chain 1, 5725 MHz - 5825 MHz Band, 2.5 MHz, Modulation Type, 64-QAM, Coding Rate, 5/6., Mid Channel 5783 MHz					
	Value	dBm/100kHz	Value	Limit	
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	Result
	13.139	-15.2	-2.061	8	Pass



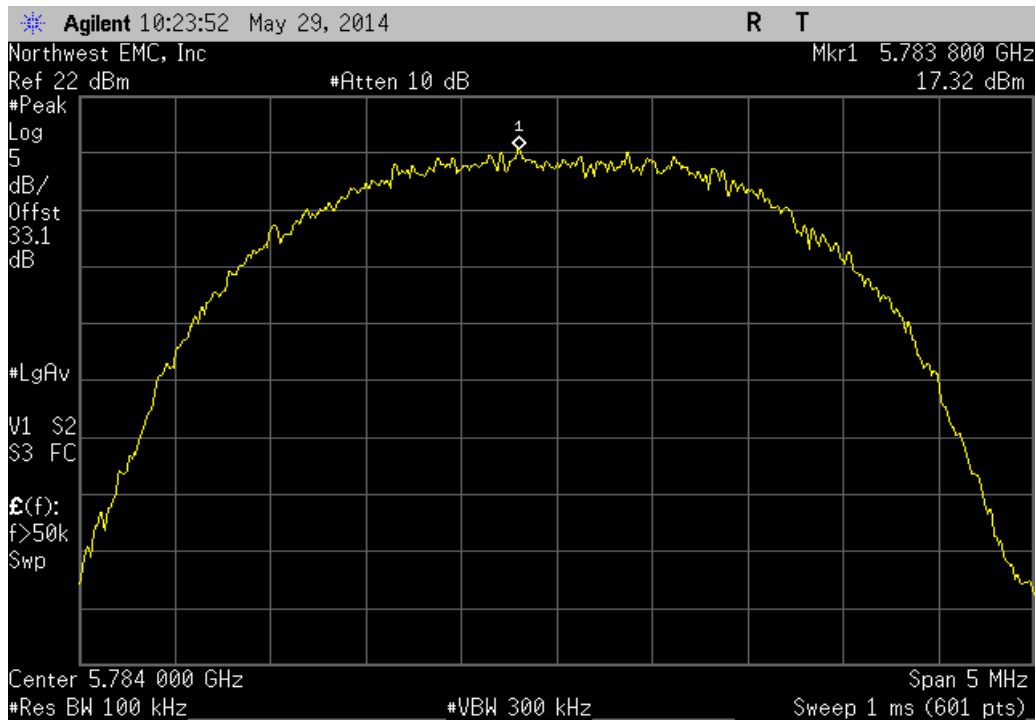
Chain 1, 5725 MHz - 5825 MHz Band, 2.5 MHz, Modulation Type, 64-QAM, Coding Rate, 5/6., High Channel 5831 MHz						
	Value	dBm/100kHz	Value	Limit		
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	Result	
	12.281	-15.2	-2.919	8	Pass	



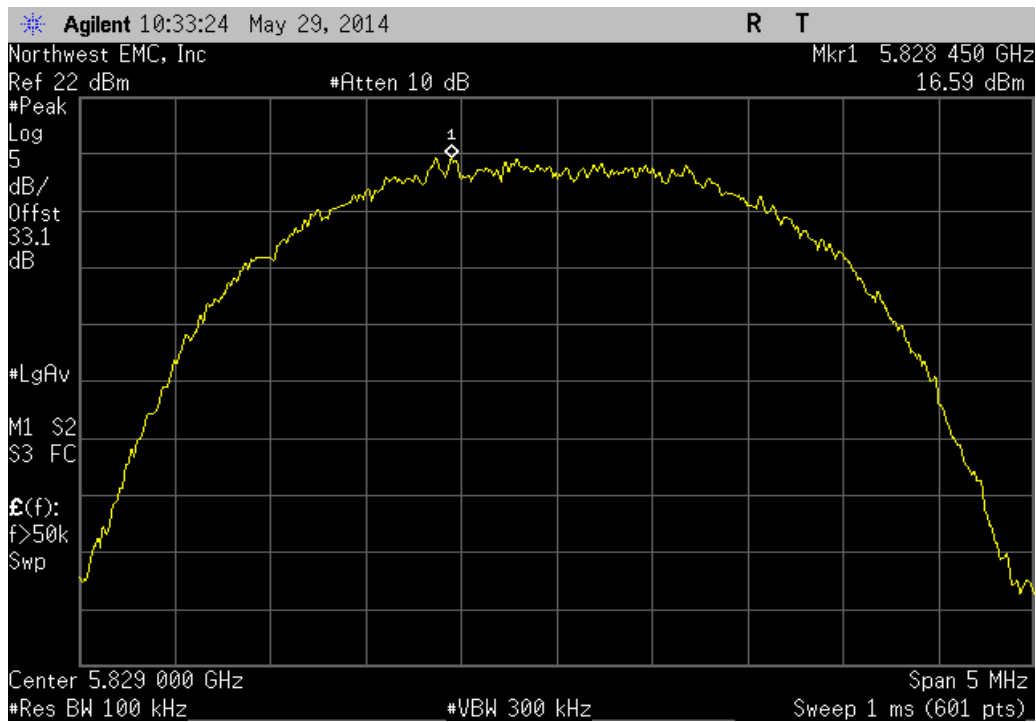
Chain 1, 5725 MHz - 5825 MHz Band, 5 MHz, Modulation Type, BPSK, Coding Rate, 1/2, Low Channel 5739 MHz						
	Value	dBm/100kHz	Value	Limit		
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	Result	
	17.318	-15.2	2.118	8	Pass	



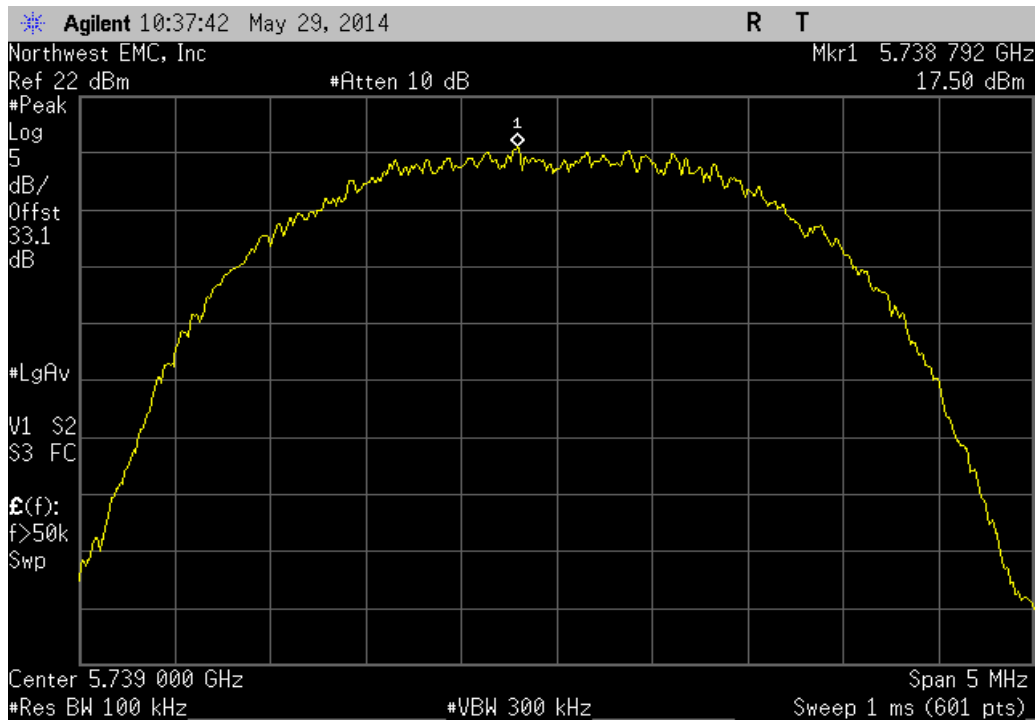
Chain 1, 5725 MHz - 5825 MHz Band, 5 MHz, Modulation Type, BPSK, Coding Rate, 1/2, Mid Channel 5784 MHz						
	Value	dBm/100kHz	Value	Limit		
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	Result	
	17.319	-15.2	2.119	8	Pass	



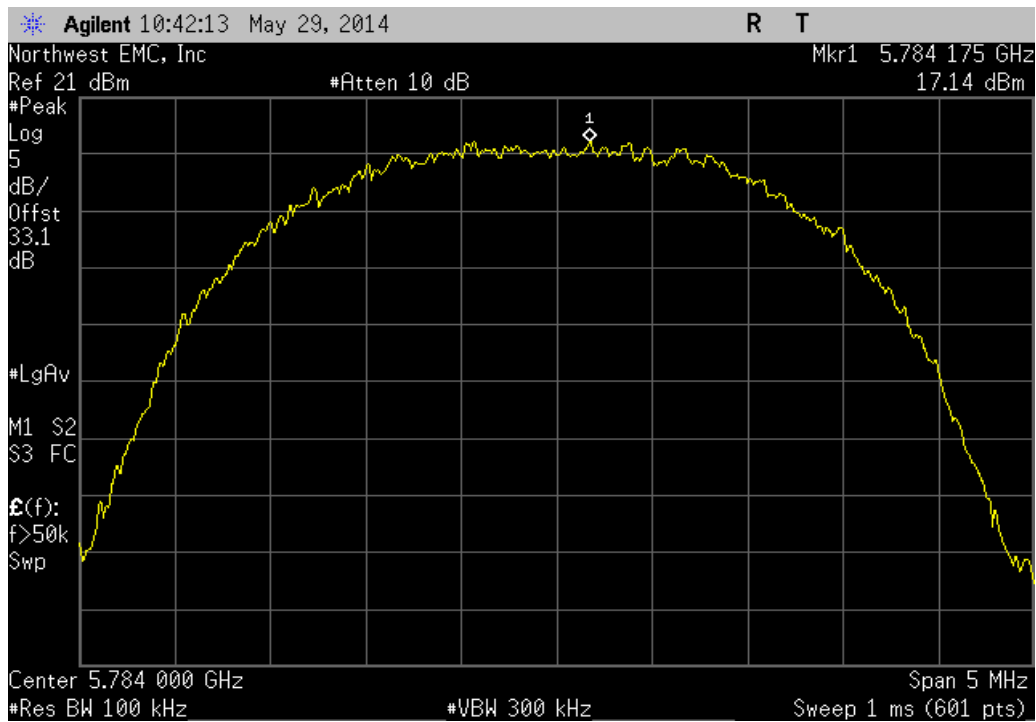
Chain 1, 5725 MHz - 5825 MHz Band, 5 MHz, Modulation Type, BPSK, Coding Rate, 1/2, High Channel 5829 MHz						
	Value	dBm/100kHz	Value	Limit		
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	Result	
	16.595	-15.2	1.395	8	Pass	



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

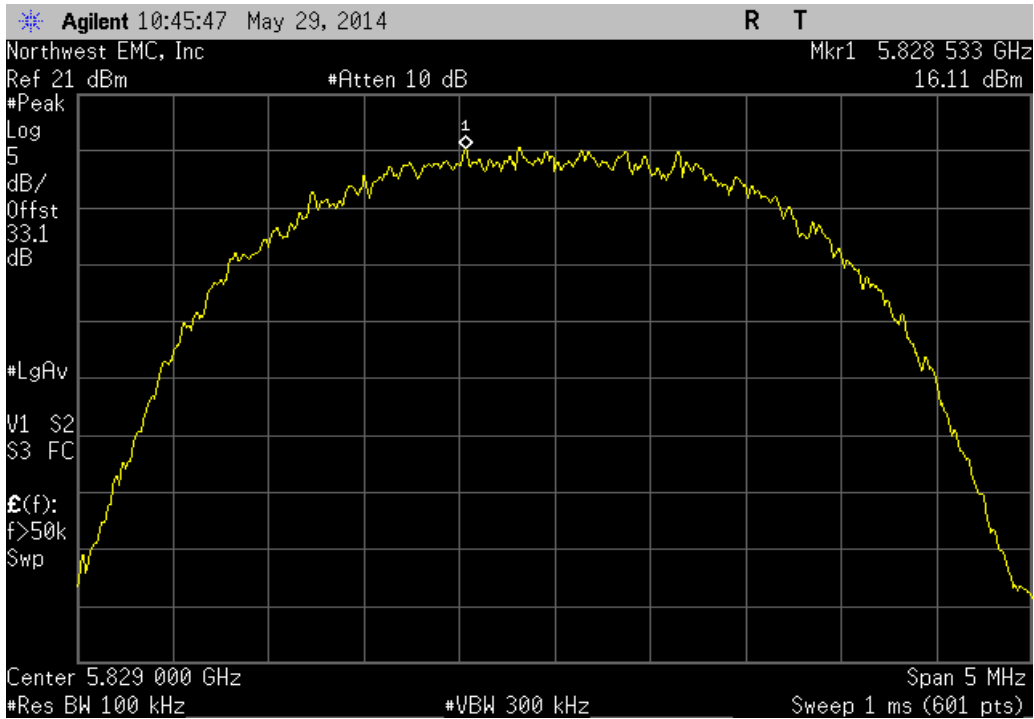


Chain 1, 5725 MHz - 5825 MHz Band, 5 MHz, Modulation Type, 16-QAM, Coding Rate, 3/4., Mid Channel 5784 MHz						
	Value	dBm/100kHz	Value	Limit		
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	Result	
	17.137	-15.2	1.937	8	Pass	



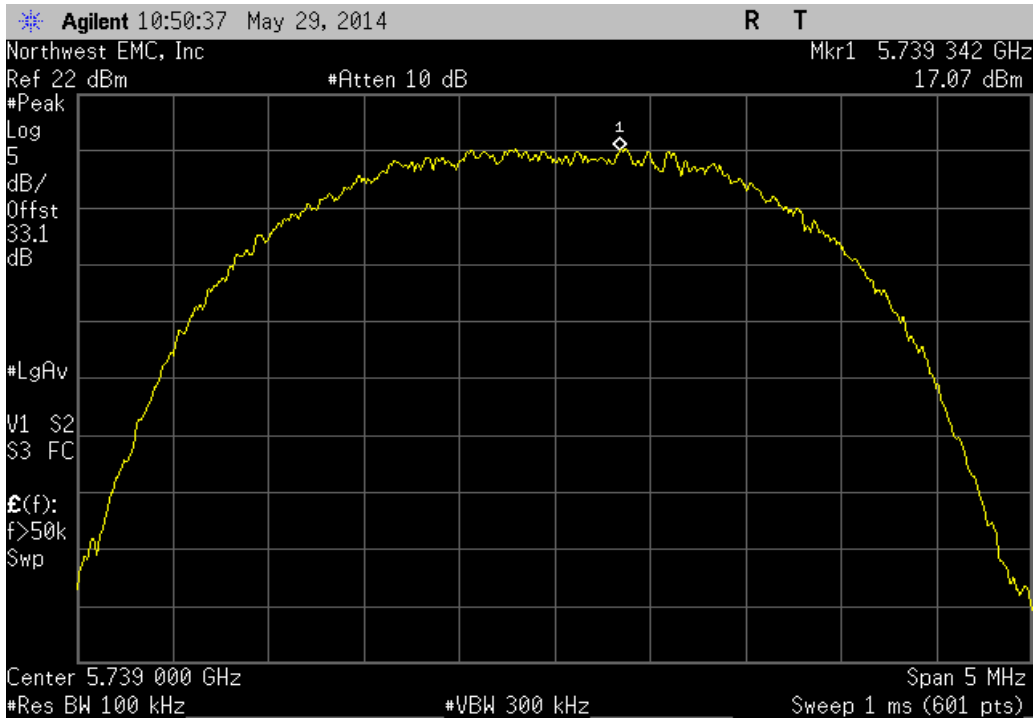
Chain 1, 5725 MHz - 5825 MHz Band, 5 MHz, Modulation Type, 16-QAM, Coding Rate, 3/4., High Channel 5829 MHz

	Value	dBm/100kHz	Value	Limit	
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	Result
	16.114	-15.2	0.914	8	Pass



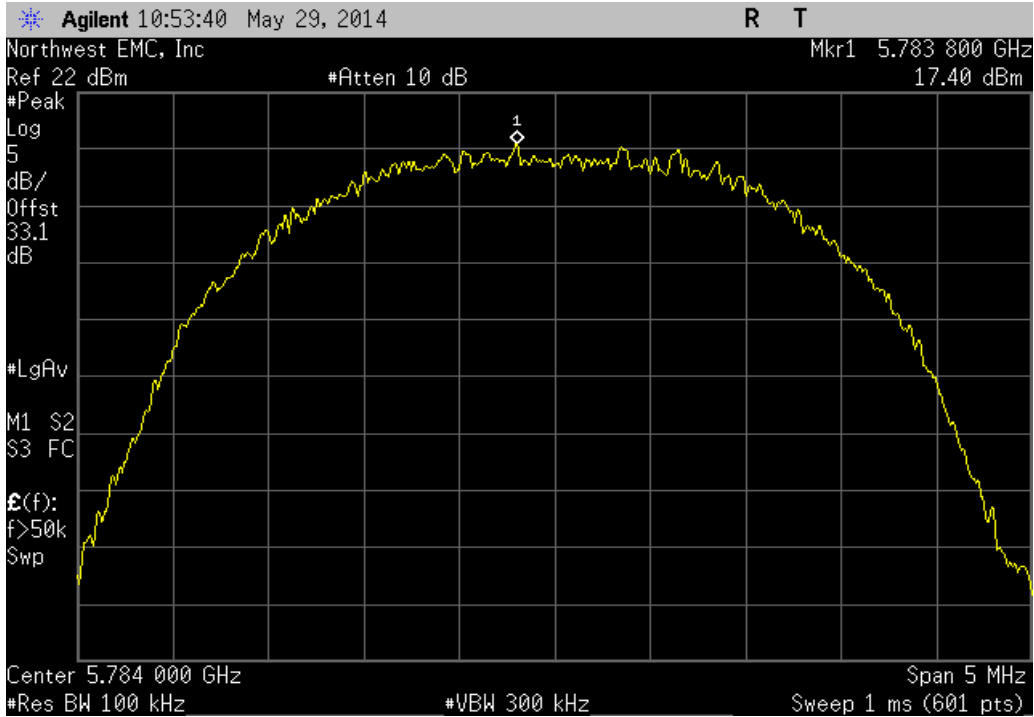
Chain 1, 5725 MHz - 5825 MHz Band, 5 MHz, Modulation Type, 64-QAM, Coding Rate, 3/4., Low Channel 5739 MHz

	Value	dBm/100kHz	Value	Limit	
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	Result
	17.069	-15.2	1.869	8	Pass



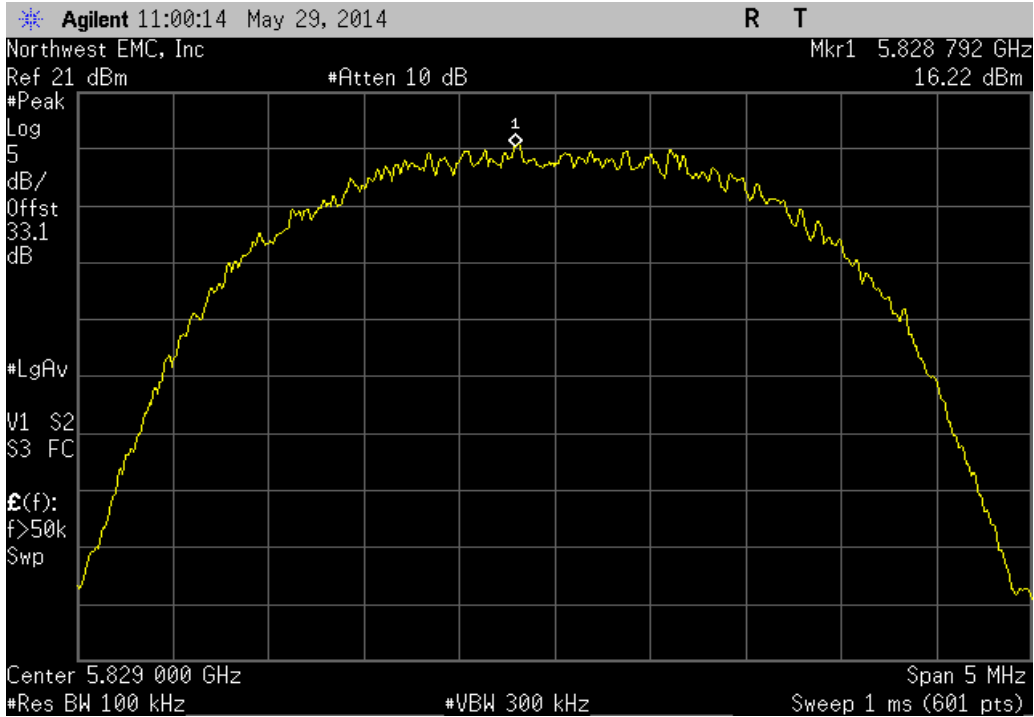
Chain 1, 5725 MHz - 5825 MHz Band, 5 MHz, Modulation Type, 64-QAM, Coding Rate, 3/4., Mid Channel 5784 MHz

	Value	dBm/100kHz	To dBm/3kHz	Value	Limit	Result
	17.398	-15.2		2.198	8	Pass

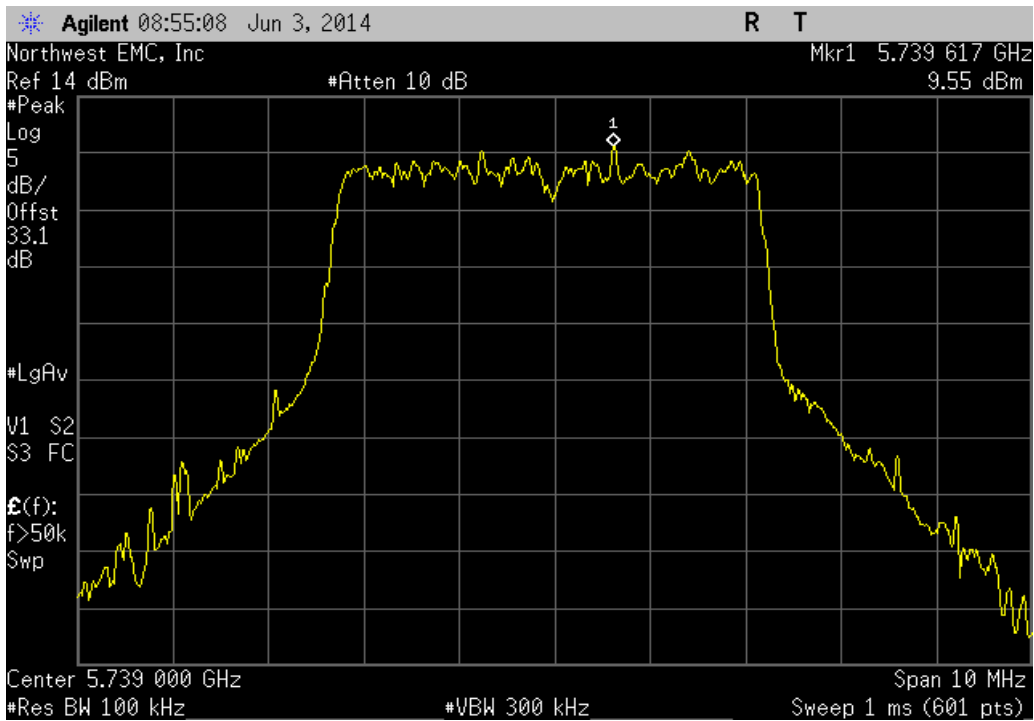


Chain 1, 5725 MHz - 5825 MHz Band, 5 MHz, Modulation Type, 64-QAM, Coding Rate, 3/4., High Channel 5829 MHz

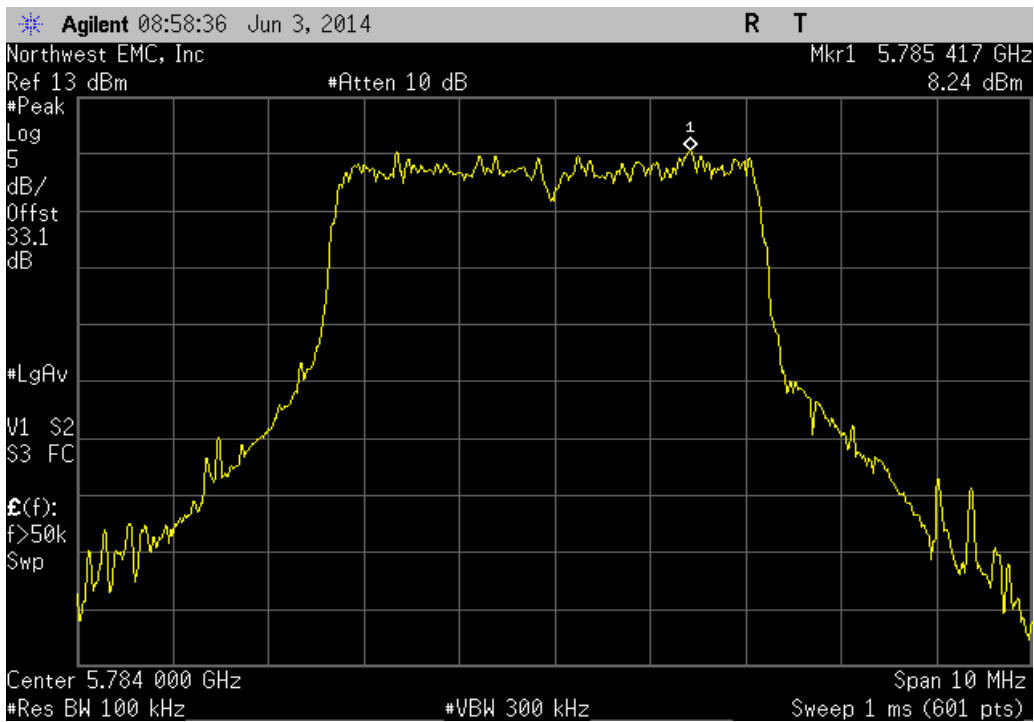
	Value	dBm/100kHz	To dBm/3kHz	Value	Limit	Result
	16.215	-15.2		1.015	8	Pass



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

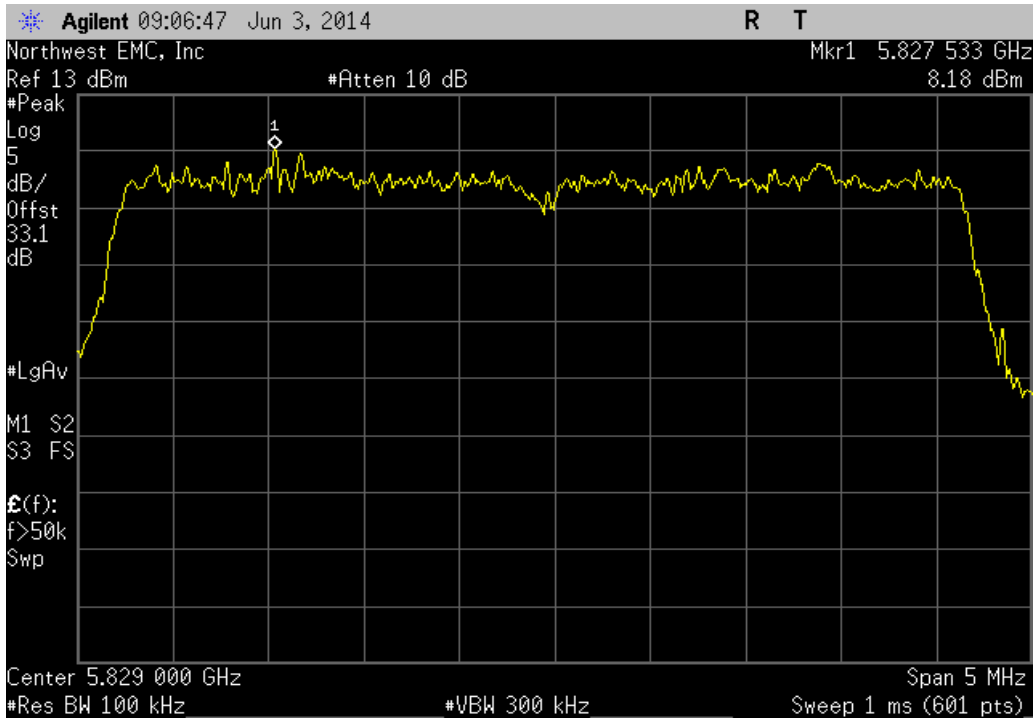


Chain 1, 5725 MHz - 5825 MHz Band, 5 MHz, Modulation Type, BPSK, Coding Rate, 1/2. , Mid Channel 5784 MHz						
	Value	dBm/100kHz	Value	Limit		
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	Result	
	8.239	-15.2	-6.961	8	Pass	



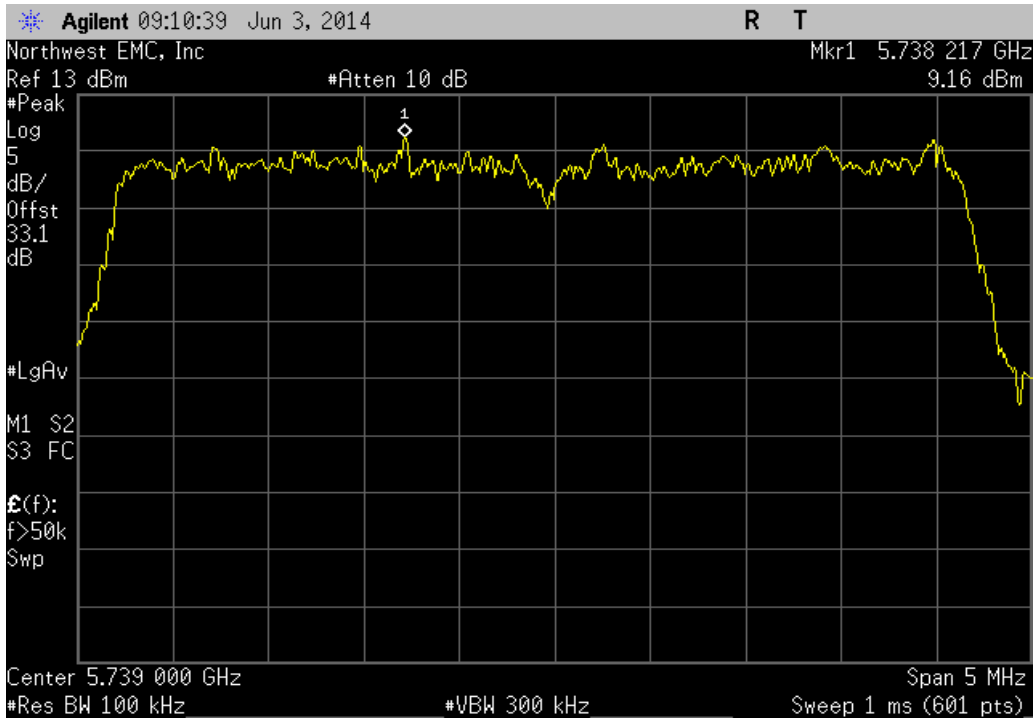
Chain 1, 5725 MHz - 5825 MHz Band, 5 MHz, Modulation Type, BPSK, Coding Rate, 1/2., High Channel 5829 MHz

	Value	dBm/100kHz	Value	Limit	
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	Result
	8.175	-15.2	-7.025	8	Pass



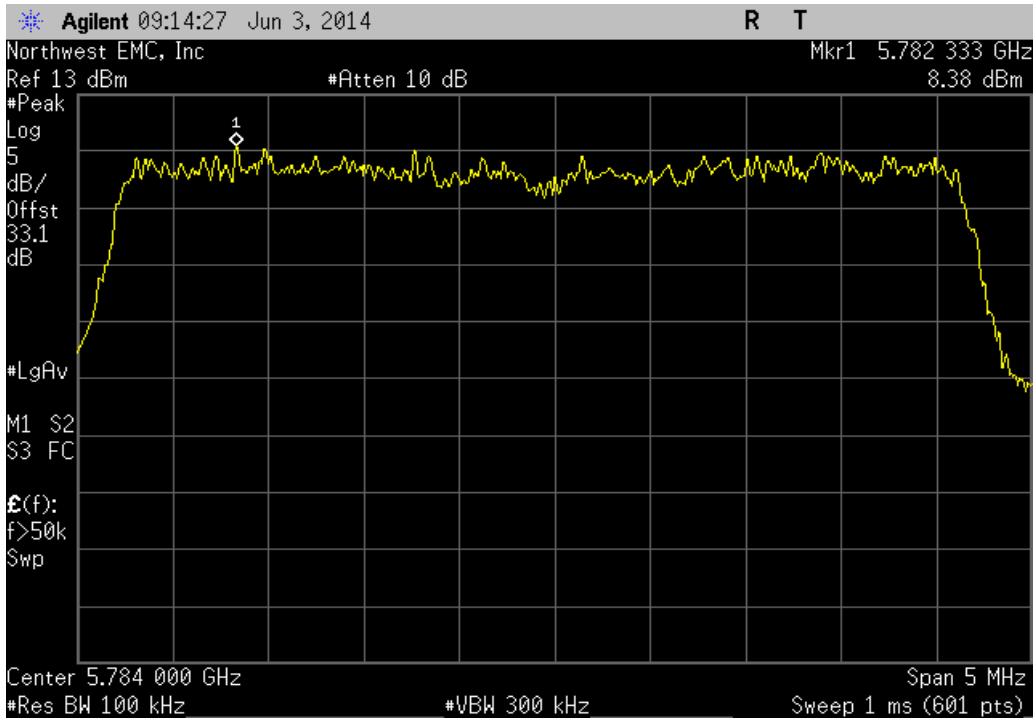
Chain 1, 5725 MHz - 5825 MHz Band, 5 MHz, Modulation Type, 64-QAM, Coding Rate, 5/6., Low Channel 5739 MHz

	Value	dBm/100kHz	Value	Limit	
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	Result
	9.163	-15.2	-6.037	8	Pass



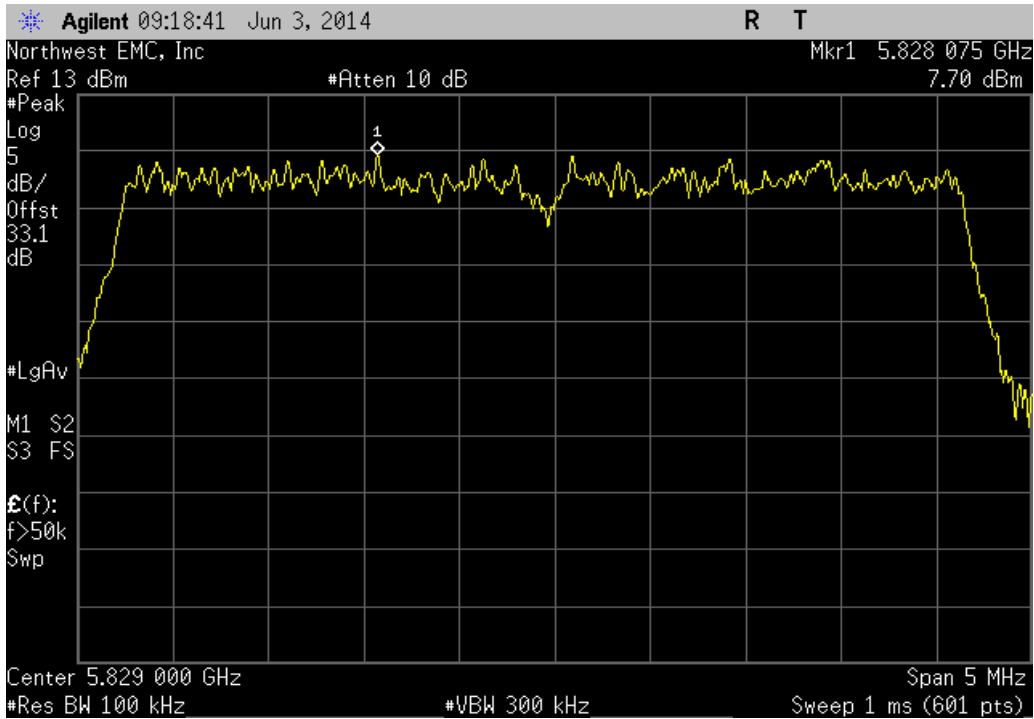
Chain 1, 5725 MHz - 5825 MHz Band, 5 MHz, Modulation Type, 64-QAM, Coding Rate, 5/6., Mid Channel 5784 MHz

	Value	dBm/100kHz	To dBm/3kHz	Value	Limit	Result
	8.377	-15.2	-6.823	8	Pass	



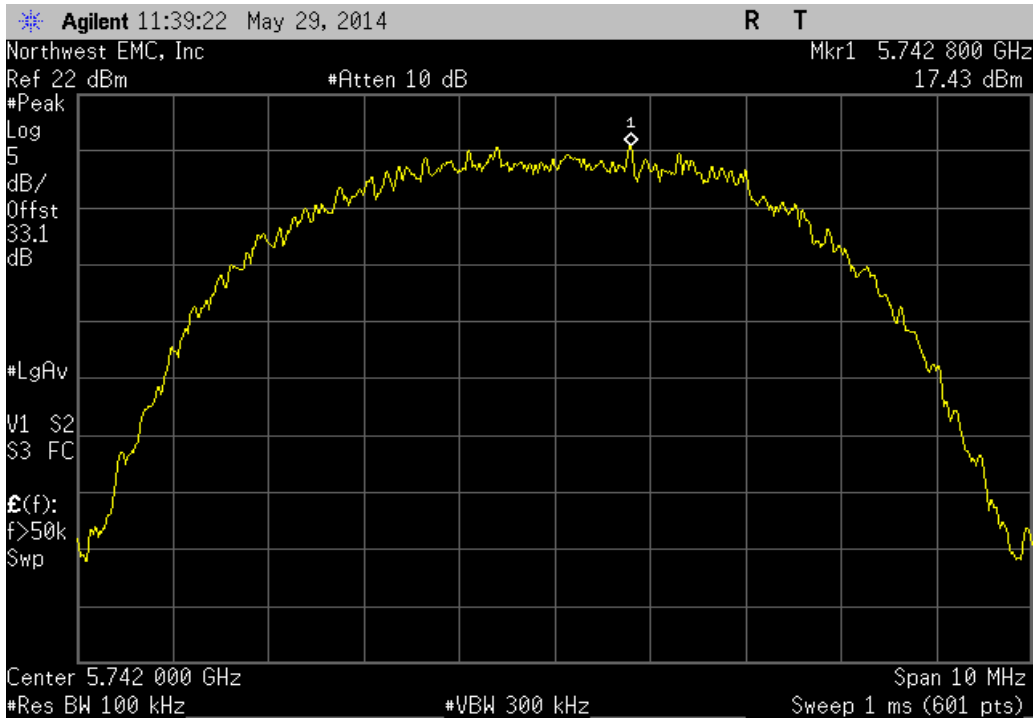
Chain 1, 5725 MHz - 5825 MHz Band, 5 MHz, Modulation Type, 64-QAM, Coding Rate, 5/6., High Channel 5829 MHz

	Value	dBm/100kHz	To dBm/3kHz	Value	Limit	Result
	7.704	-15.2	-7.496	8	Pass	



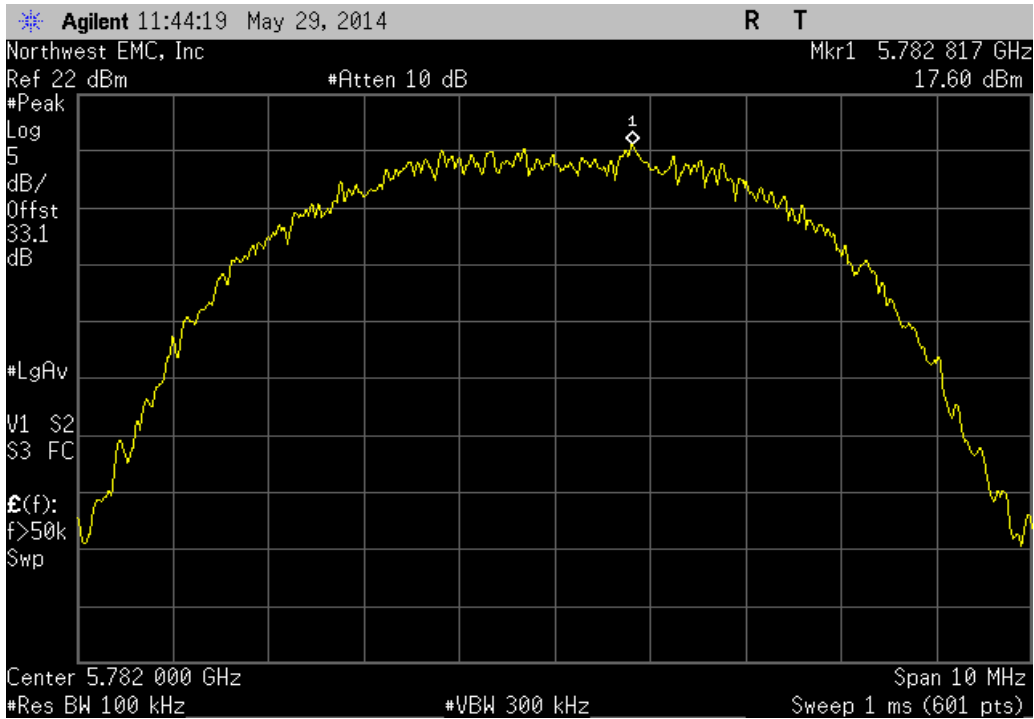
Chain 1, 5725 MHz - 5825 MHz Band, 10 MHz, Modulation Type, BPSK, Coding Rate, 1/2, Low Channel 5742 MHz

	Value	dBm/100kHz	Value	Limit	
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	Result
	17.426	-15.2	2.226	8	Pass



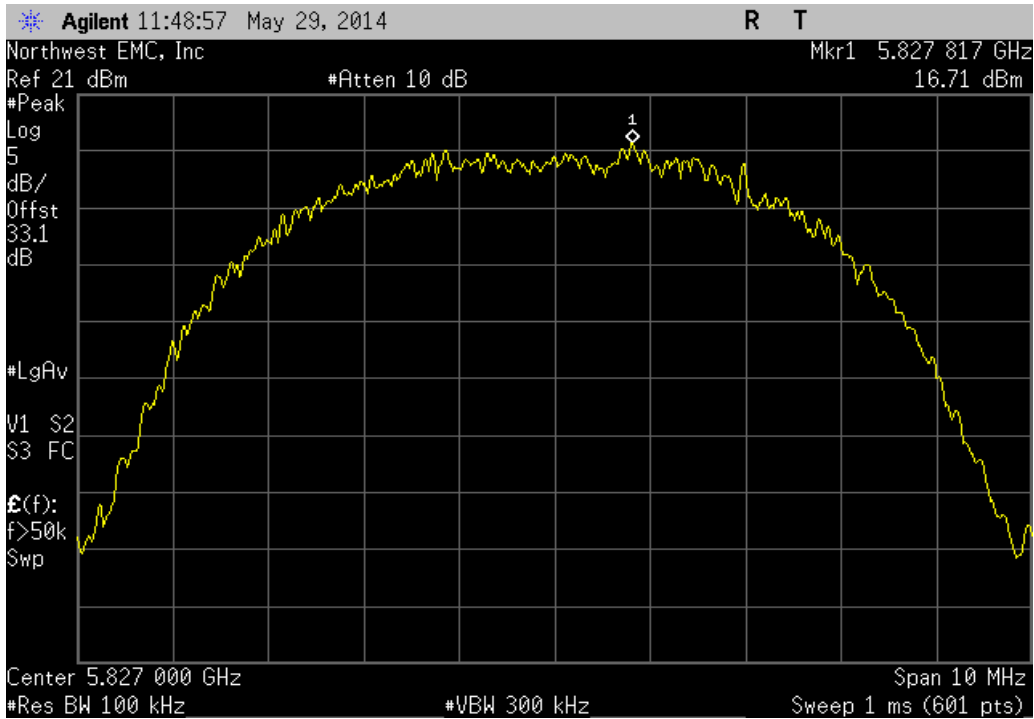
Chain 1, 5725 MHz - 5825 MHz Band, 10 MHz, Modulation Type, BPSK, Coding Rate, 1/2, Mid Channel 5782 MHz

	Value	dBm/100kHz	Value	Limit	
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	Result
	17.599	-15.2	2.399	8	Pass



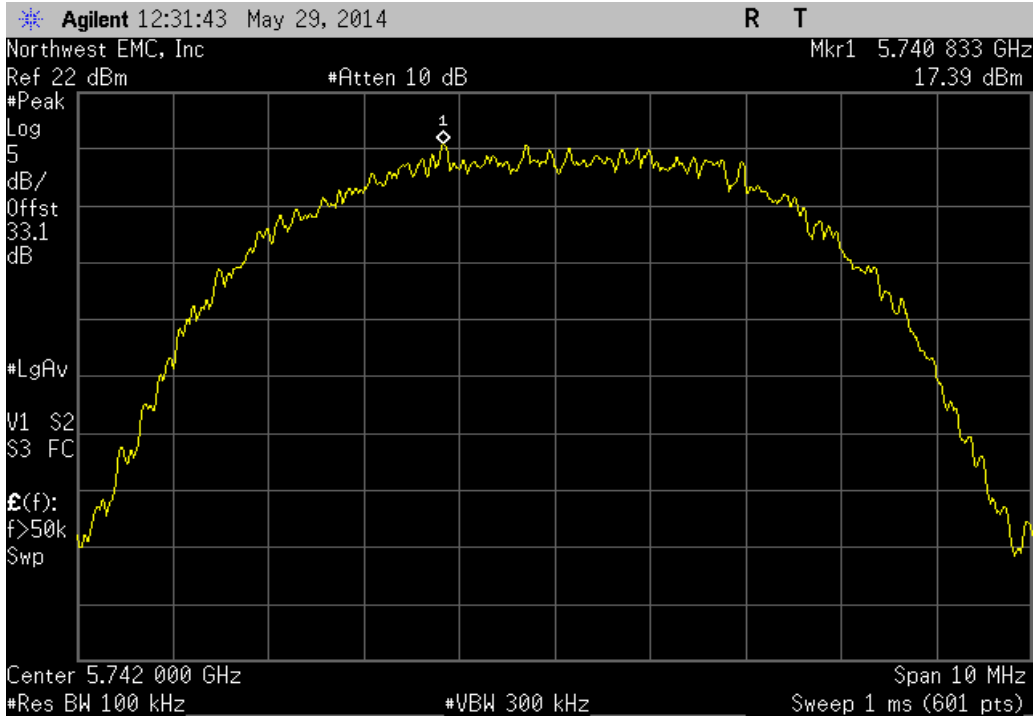
Chain 1, 5725 MHz - 5825 MHz Band, 10 MHz, Modulation Type, BPSK, Coding Rate, 1/2, High Channel 5827 MHz

	Value	dBm/100kHz	Value	Limit	
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	Result
	16.707	-15.2	1.507	8	Pass



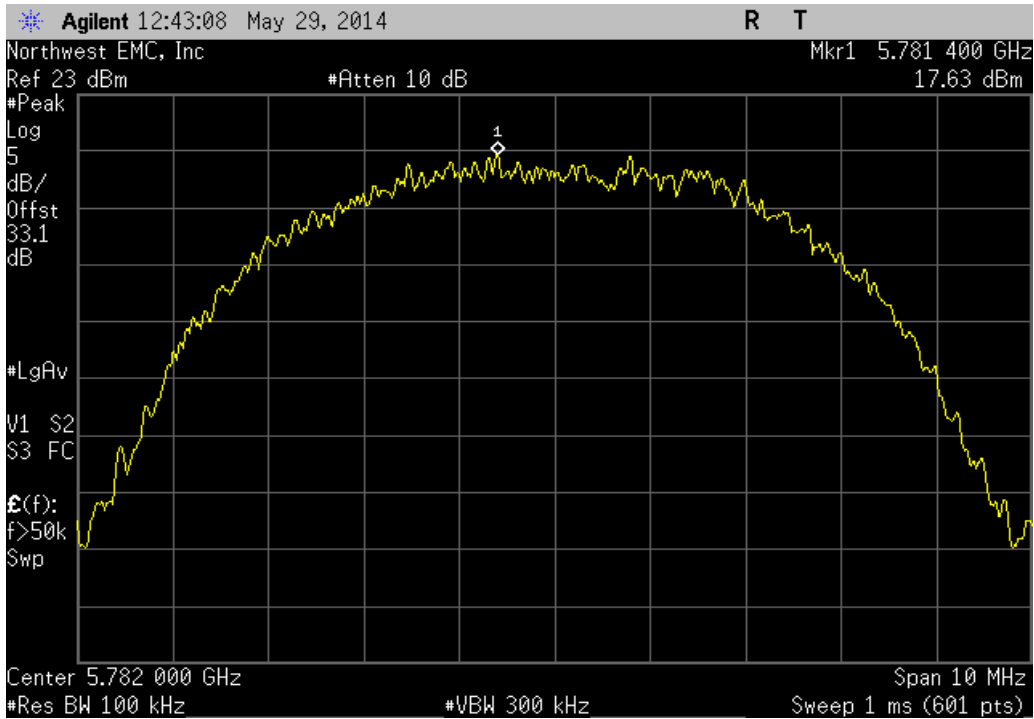
Chain 1, 5725 MHz - 5825 MHz Band, 10 MHz, Modulation Type, 16-QAM, Coding Rate, 3/4, Low Channel 5742 MHz

	Value	dBm/100kHz	Value	Limit	
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	Result
	17.386	-15.2	2.186	8	Pass



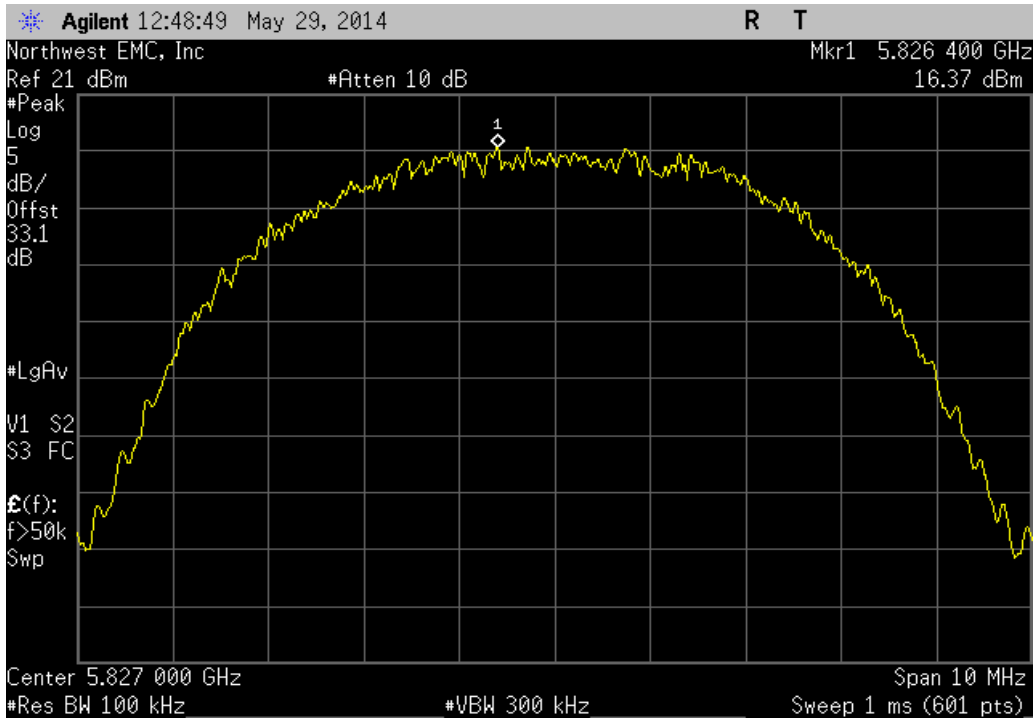
Chain 1, 5725 MHz - 5825 MHz Band, 10 MHz, Modulation Type, 16-QAM, Coding Rate, 3/4., Mid Channel 5782 MHz

	Value	dBm/100kHz	Value	Limit	
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	Result
	17.629	-15.2	2.429	8	Pass



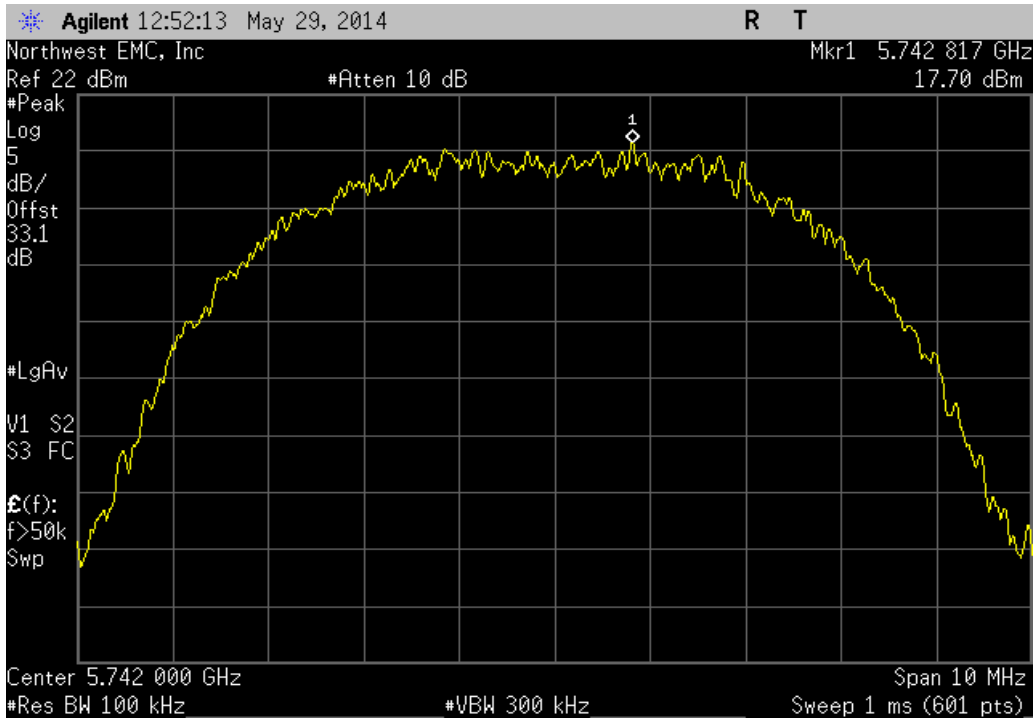
Chain 1, 5725 MHz - 5825 MHz Band, 10 MHz, Modulation Type, 16-QAM, Coding Rate, 3/4., High Channel 5827 MHz

	Value	dBm/100kHz	Value	Limit	
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	Result
	16.366	-15.2	1.166	8	Pass



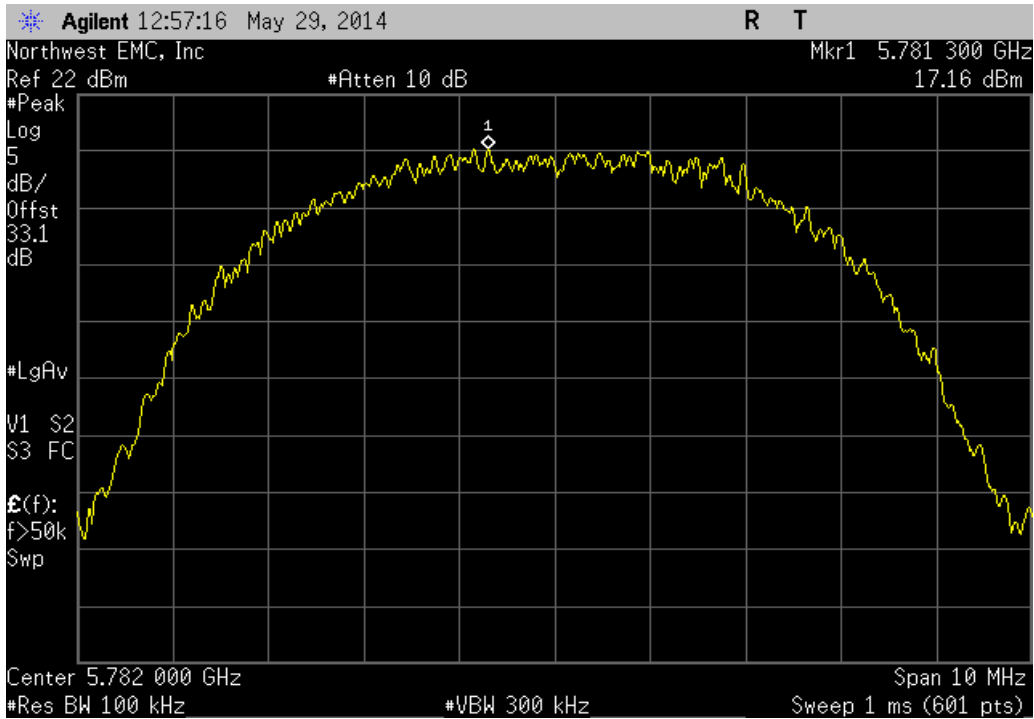
Chain 1, 5725 MHz - 5825 MHz Band, 10 MHz, Modulation Type, 64-QAM, Coding Rate, 3/4., Low Channel 5742 MHz

	Value	dBm/100kHz	Value	Limit	
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	Result
	17.705	-15.2	2.505	8	Pass



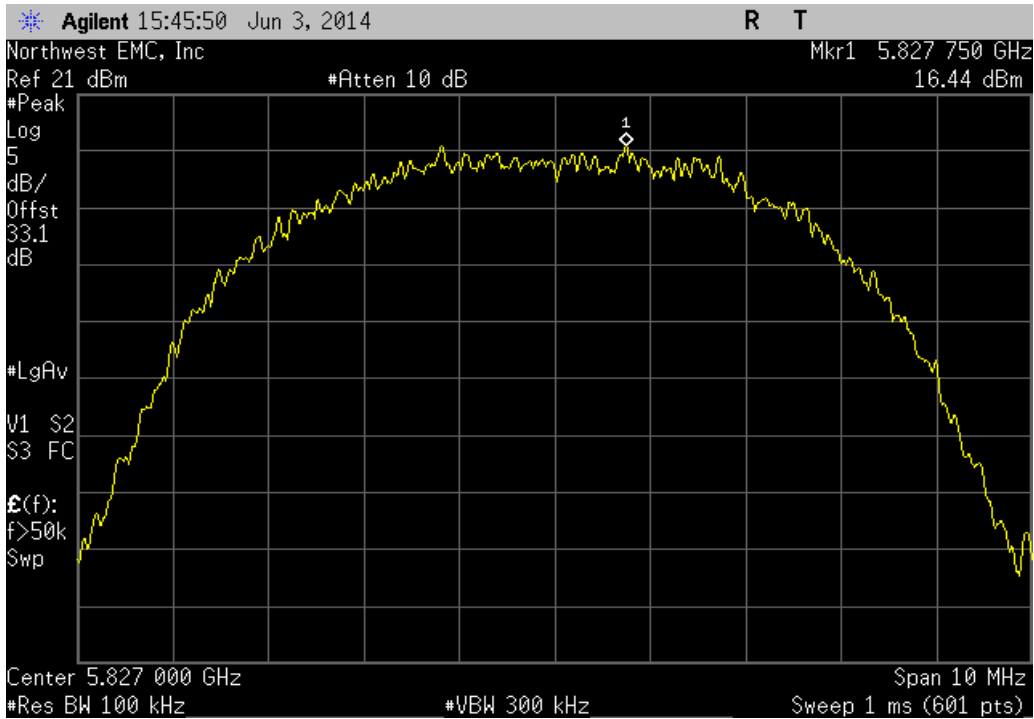
Chain 1, 5725 MHz - 5825 MHz Band, 10 MHz, Modulation Type, 64-QAM, Coding Rate, 3/4., Mid Channel 5782 MHz

	Value	dBm/100kHz	Value	Limit	
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	Result
	17.16	-15.2	1.96	8	Pass



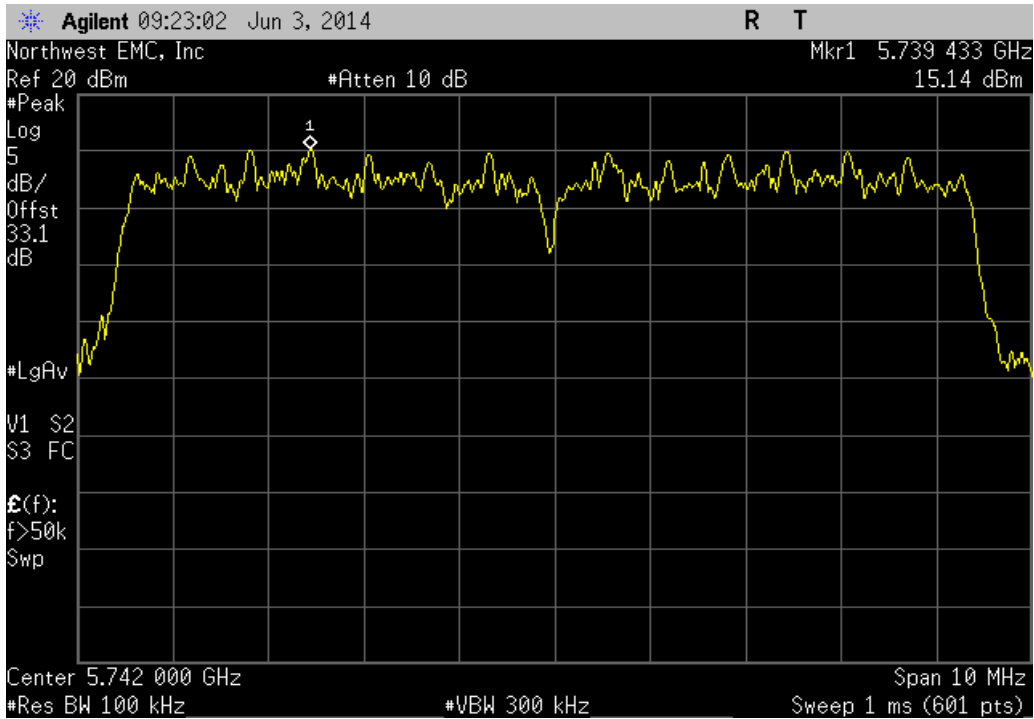
Chain 1, 5725 MHz - 5825 MHz Band, 10 MHz, Modulation Type, 64-QAM, Coding Rate, 3/4., High Channel 5827 MHz

Value	dBm/100kHz	Value	Limit	Result
dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	
16.438	-15.2	1.238	8	Pass



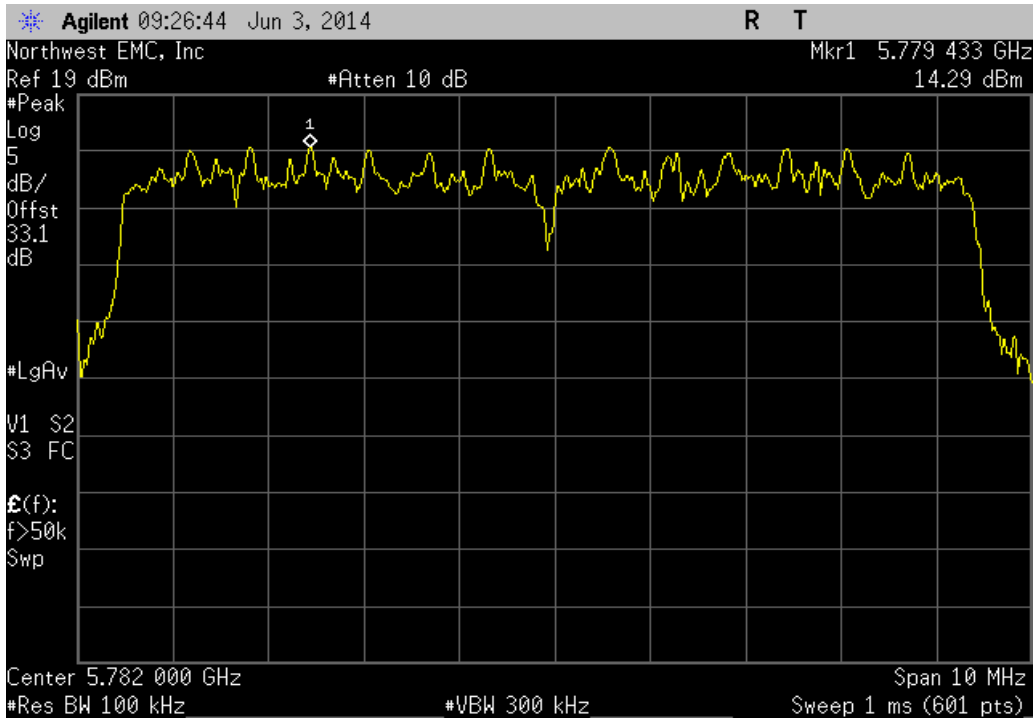
Chain 1, 5725 MHz - 5825 MHz Band, 10 MHz, Modulation Type, BPSK, Coding Rate, 1/2., Low Channel 5742 MHz

Value	dBm/100kHz	Value	Limit	Result
dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	
15.137	-15.2	-0.063	8	Pass



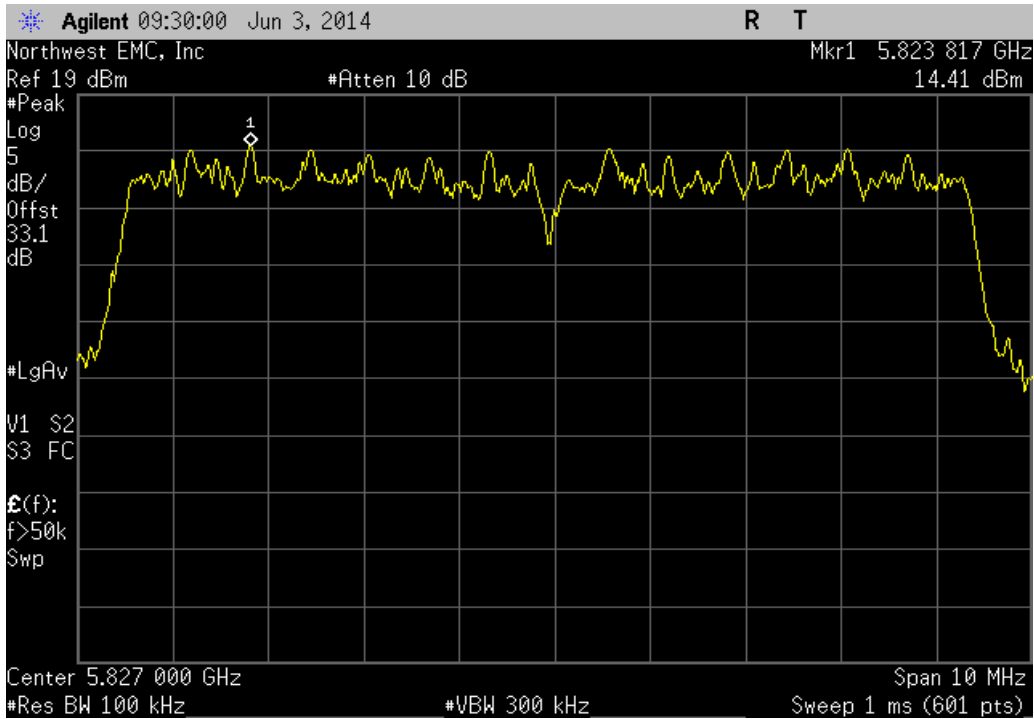
Chain 1, 5725 MHz - 5825 MHz Band, 10 MHz, Modulation Type, BPSK, Coding Rate, 1/2, Mid Channel 5782 MHz

	Value	dBm/100kHz	Value	Limit	
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	Result
	14.286	-15.2	-0.914	8	Pass

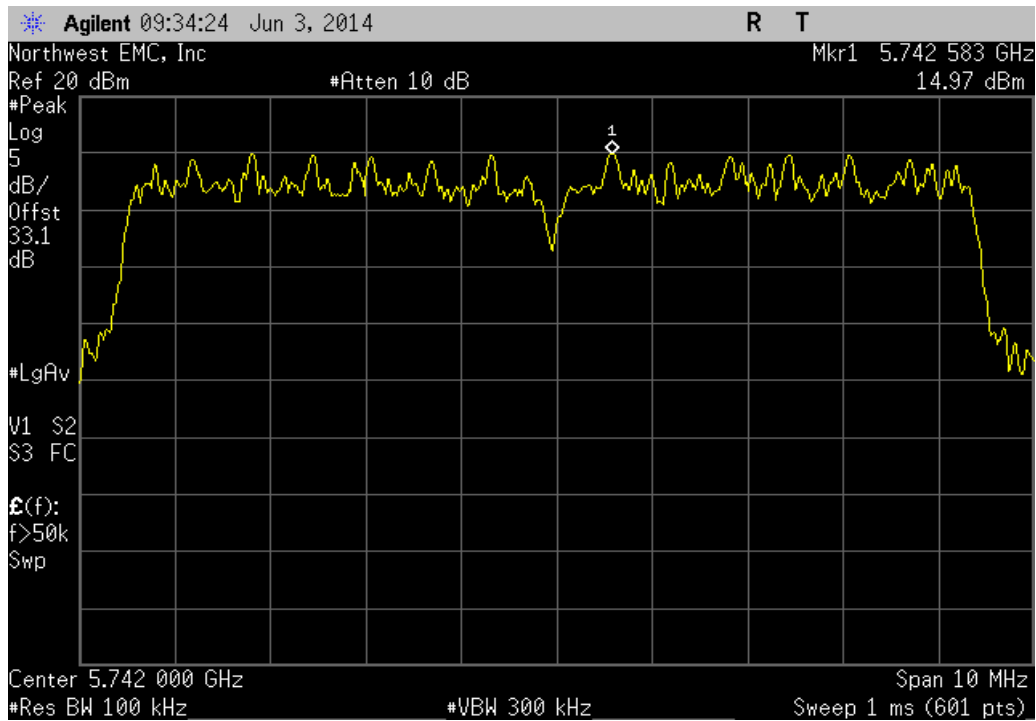


Chain 1, 5725 MHz - 5825 MHz Band, 10 MHz, Modulation Type, BPSK, Coding Rate, 1/2, High Channel 5827 MHz

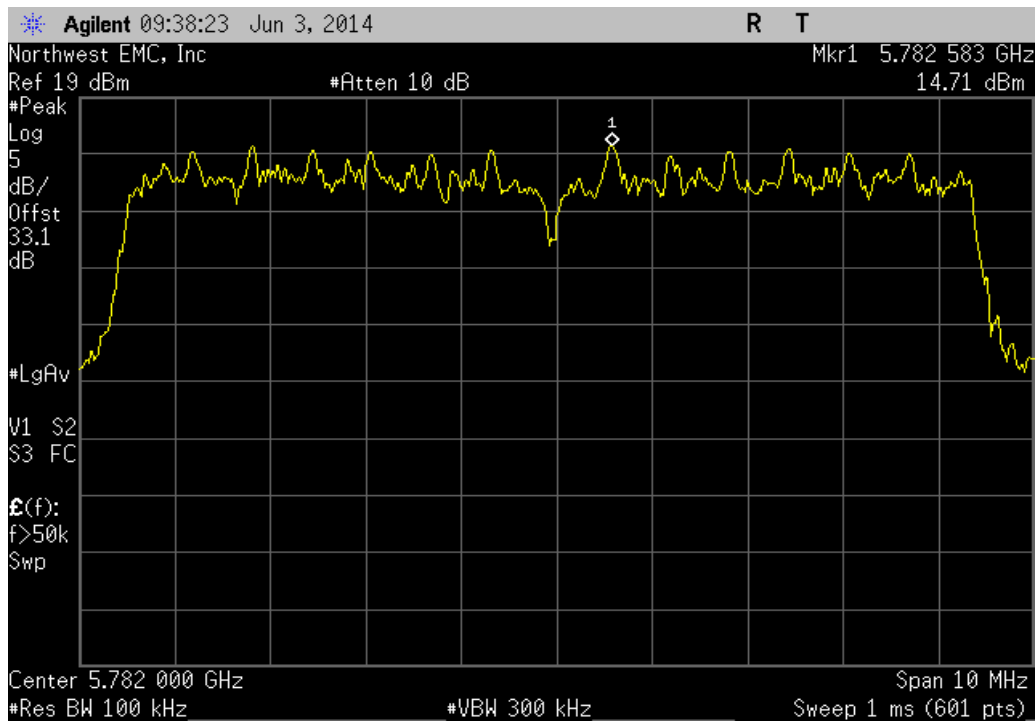
	Value	dBm/100kHz	Value	Limit	
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	Result
	14.412	-15.2	-0.788	8	Pass



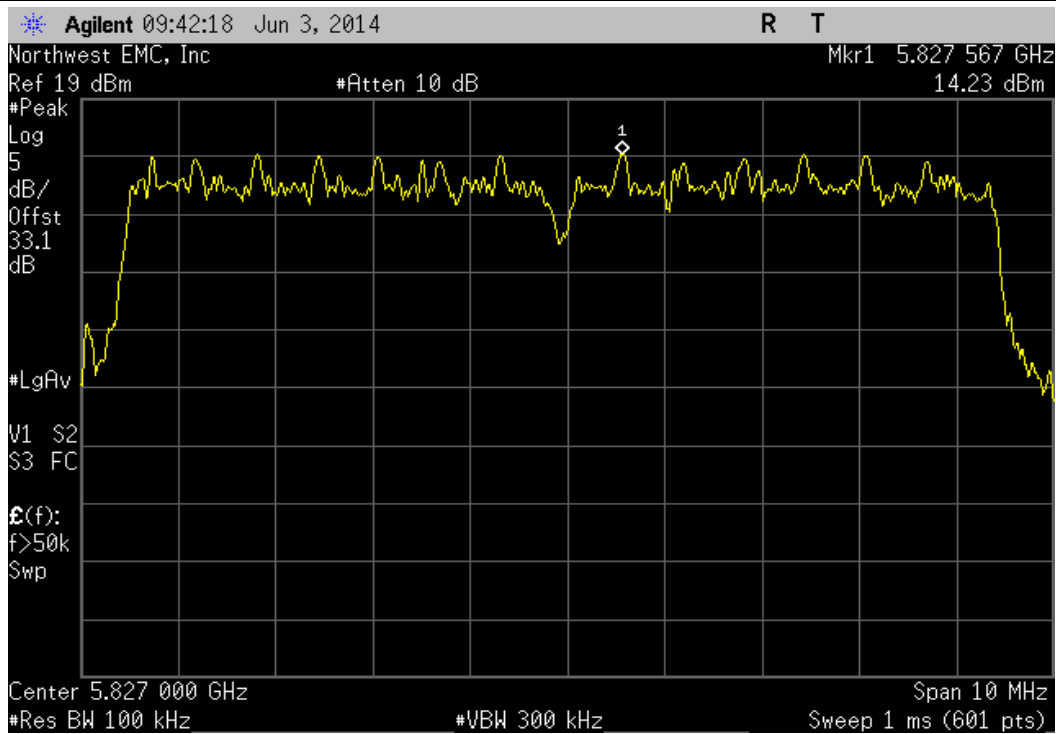
Chain 1, 5725 MHz - 5825 MHz Band, 10 MHz, Modulation Type, 64-QAM, Coding Rate, 5/6., Low Channel 5742 MHz						
	Value	dBm/100kHz	Value	Limit		
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	Result	
	14.969	-15.2	-0.231	8	Pass	



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



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

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

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

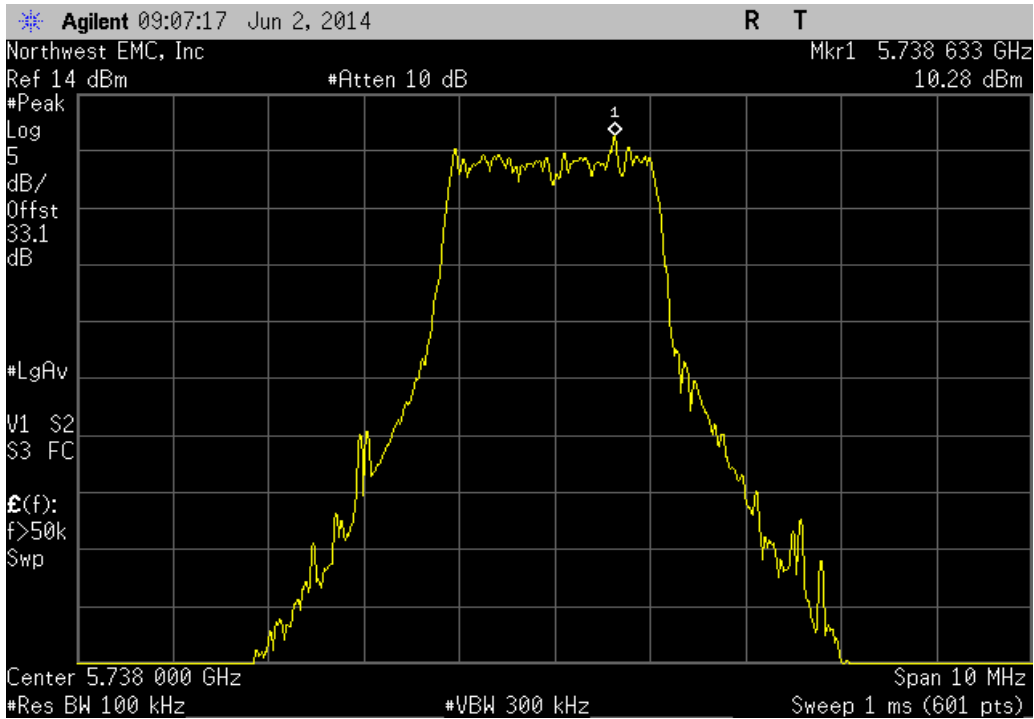
Chain 1					
5725 MHz - 5850 MHz Band					
2.5 MHz					
2x2 Modulation Type, BPSK, Coding Rate, 1/2.					
Low Channel 5738 MHz	10.282	-15.2	-4.918	8	Pass
Mid Channel 5783 MHz	9.941	-15.2	-5.259	8	Pass
High Channel 5831 MHz	8.969	-15.2	-6.231	8	Pass
2x2 Modulation Type, 64-QAM, Coding Rate, 5/6.					
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

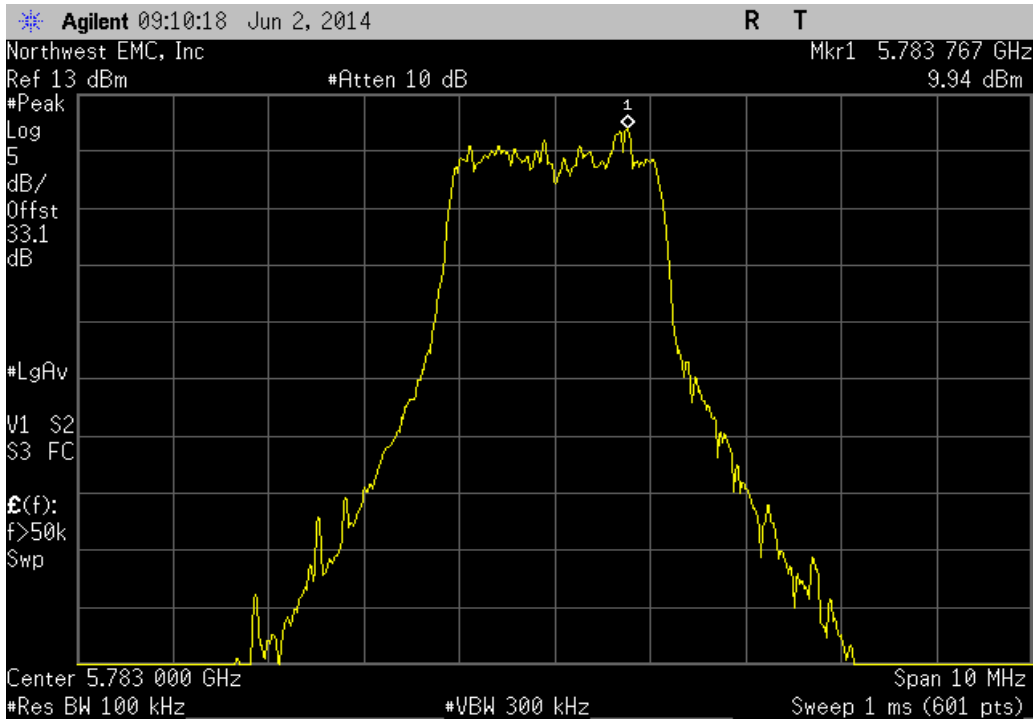
Chain 1					
2400 MHz - 2483.5 MHz Band					
2.5MHz Bandwidth					
	Value	Summing Factor	dBm/100kHz	Summed Power	Limit
	(dBm/MHz)	(dBm)	To dBm/3kHz	(dBm/MHz)	(dBm/MHz)
2x2 Modulation Type, BPSK, Coding Rate, 1/2.					
Low Channel 5738 MHz	10.282	3	-15.2	-1.918	8
Mid Channel 5783 MHz	9.941	3	-15.2	-2.259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

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							
2x2 Modulation Type, BPSK, Coding Rate, 1/2.							
Value (dBm/MHz)	Summing Factor (dBm)	dBm/100kHz To dBm/3kHz	Summed Power (dBm/MHz)	Limit (dBm/MHz)	Results		
Low Channel 5738 MHz	10.407	3	-1.793	8	Pass		
Mid Channel 5783 MHz	8.857	3	-3.343	8	Pass		
High Channel 5831 MHz	8.124	3	-4.076	8	Pass		
2x2 Modulation Type, 64-QAM, Coding Rate, 5/6.							
Low Channel 5738 MHz	9.731	3	-2.469	8	Pass		
Mid Channel 5783 MHz	9.664	3	-2.536	8	Pass		
High Channel 5831 MHz	8.013	3	-4.187	8	Pass		
5MHz Bandwidth							
2x2 Modulation Type, BPSK, Coding Rate, 1/2.							
Low Channel 5739 MHz	5.917	3	-6.283	8	Pass		
Mid Channel 5784 MHz	5.66	3	-6.54	8	Pass		
High Channel 5829 MHz	5.698	3	-6.502	8	Pass		
2x2 Modulation Type, 64-QAM, Coding Rate, 5/6.							
Low Channel 5739 MHz	6.229	3	-5.971	8	Pass		
Mid Channel 5784 MHz	5.161	3	-7.039	8	Pass		
High Channel 5829 MHz	3.824	3	-8.376	8	Pass		
10MHz Bandwidth							
2x2 Modulation Type, BPSK, Coding Rate, 1/2.							
Low Channel 5742 MHz	11.369	3	-0.831	8	Pass		
Mid Channel 5782 MHz	10.658	3	-1.542	8	Pass		
High Channel 5827 MHz	9.201	3	-2.999	8	Pass		
2x2 Modulation Type, 64-QAM, Coding Rate, 5/6.							
Low Channel 5742 MHz	11.043	3	-1.157	8	Pass		
Mid Channel 5782 MHz	10.57	3	-1.63	8	Pass		
High Channel 5827 MHz	9.158	3	-3.042	8	Pass		

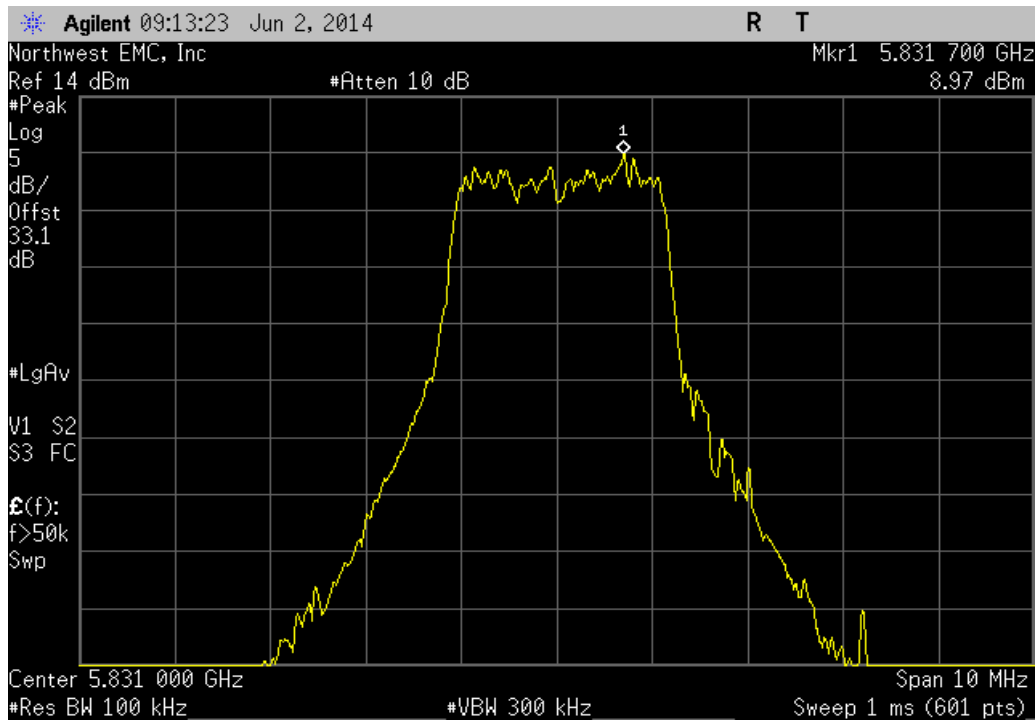
Chain 1, 5725 MHz - 5850 MHz Band, 2.5 MHz, 2x2 Modulation Type, BPSK, Coding Rate, 1/2., Low Channel 5738 MHz						
	Value	dBm/100kHz	Value	Limit		
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	Result	
	10.282	-15.2	-4.918	8	Pass	



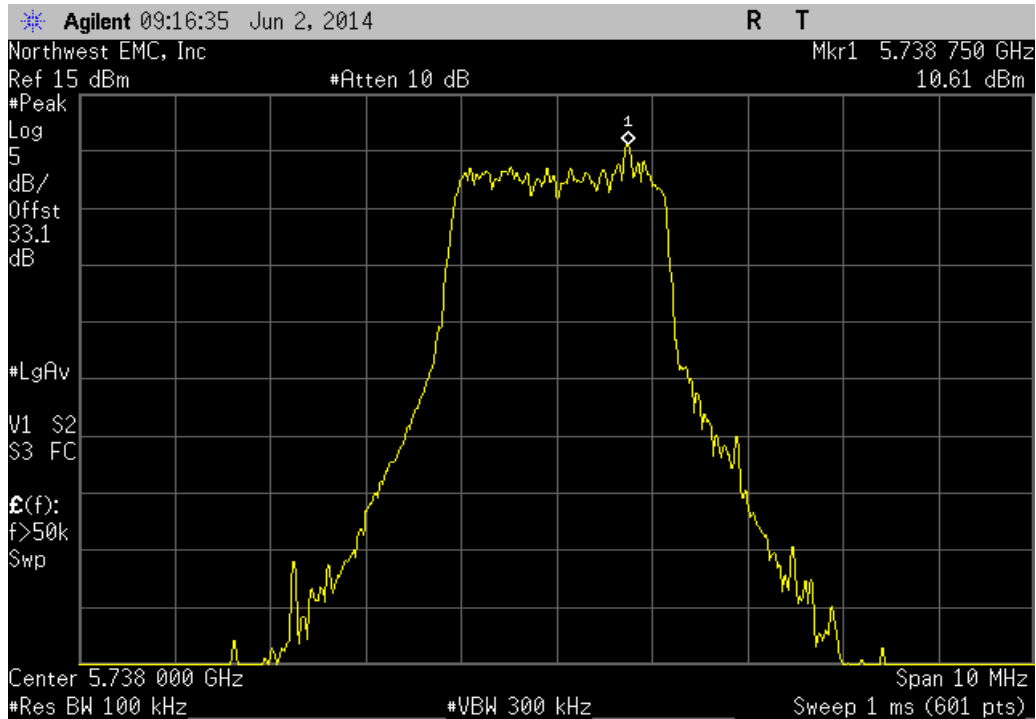
Chain 1, 5725 MHz - 5850 MHz Band, 2.5 MHz, 2x2 Modulation Type, BPSK, Coding Rate, 1/2., Mid Channel 5783 MHz						
	Value	dBm/100kHz	Value	Limit		
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	Result	
	9.941	-15.2	-5.259	8	Pass	



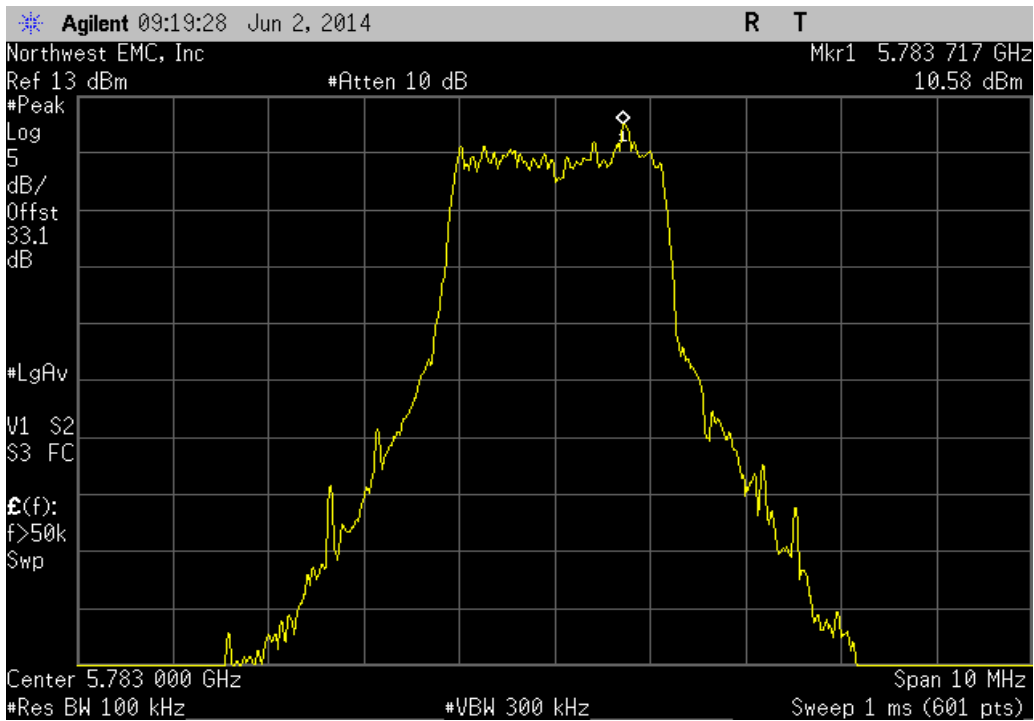
Chain 1, 5725 MHz - 5850 MHz Band, 2.5 MHz, 2x2 Modulation Type, BPSK, Coding Rate, 1/2., High Channel 5831 MHz						
	Value	dBm/100kHz	Value	Limit		
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	Result	
	8.969	-15.2	-6.231	8	Pass	



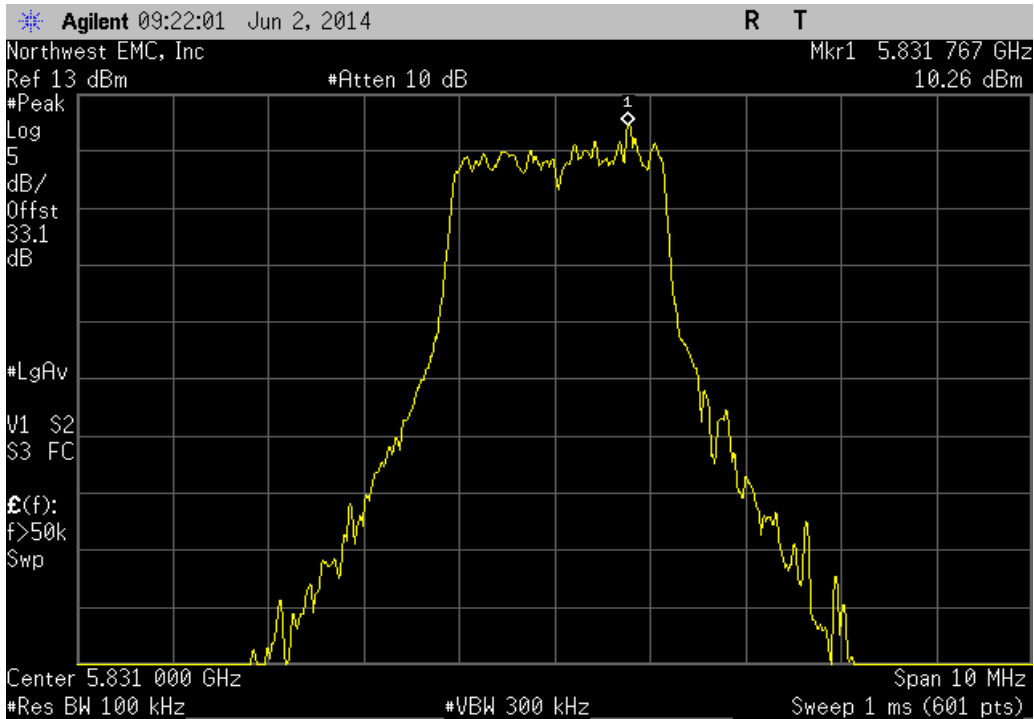
Chain 1, 5725 MHz - 5850 MHz Band, 2.5 MHz, 2x2 Modulation Type, 64-QAM, Coding Rate, 5/6., Low Channel 5738 MHz						
	Value	dBm/100kHz	Value	Limit		
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	Result	
	10.608	-15.2	-4.592	8	Pass	



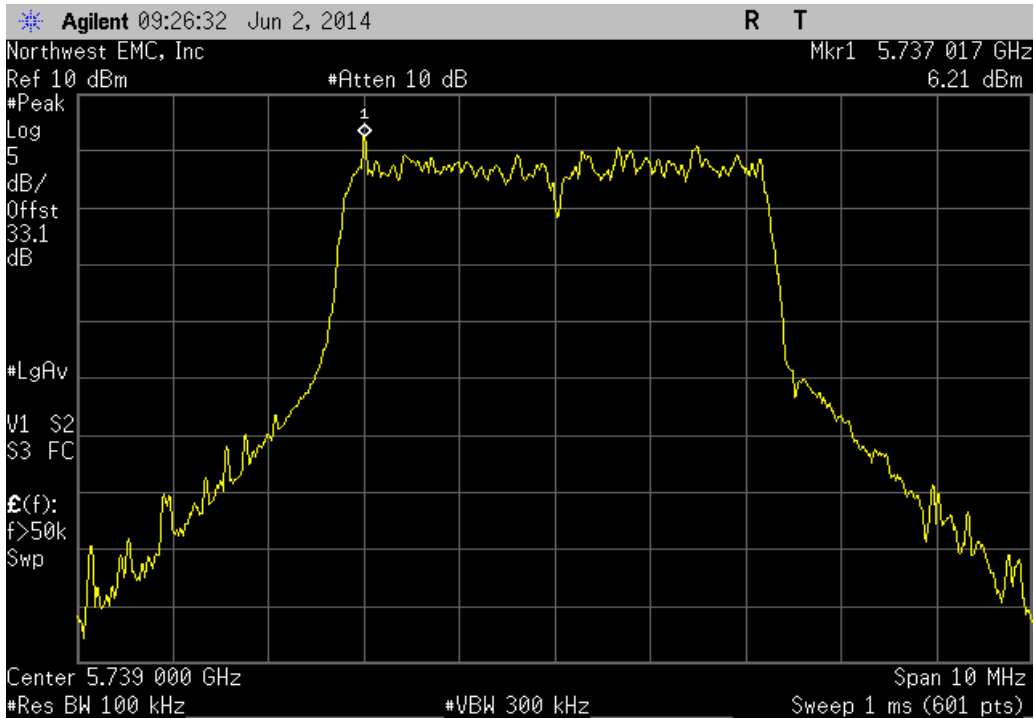
Chain 1, 5725 MHz - 5850 MHz Band, 2.5 MHz, 2x2 Modulation Type, 64-QAM, Coding Rate, 5/6., Mid Channel 5783 MHz						
	Value	dBm/100kHz	Value	Limit		
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	Result	
	10.583	-15.2	-4.617	8	Pass	



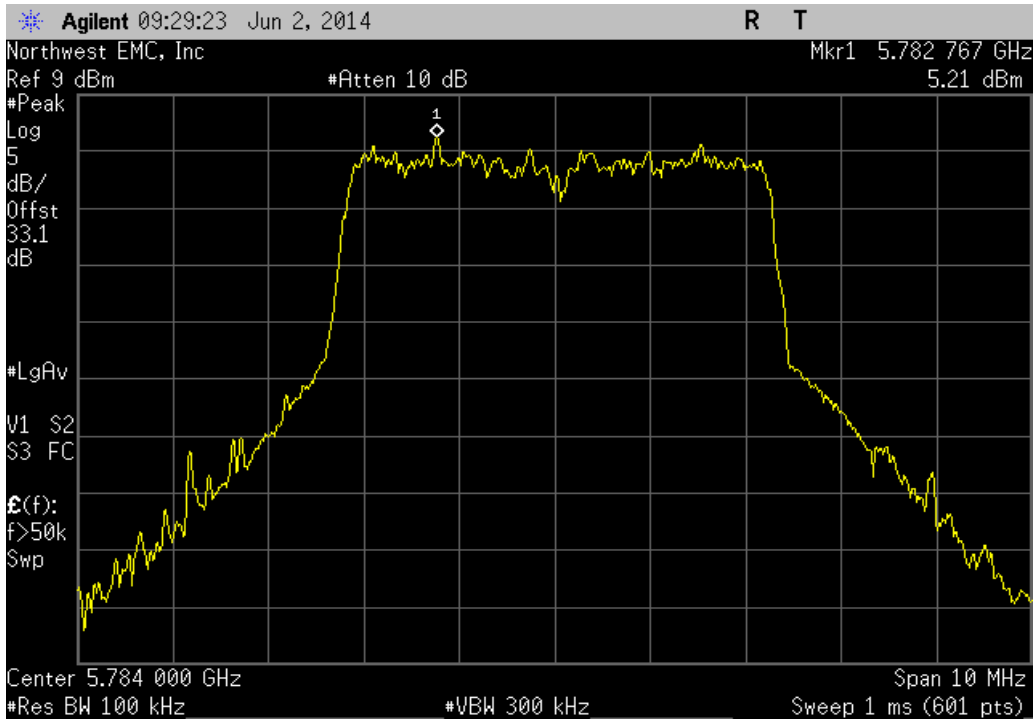
Chain 1, 5725 MHz - 5850 MHz Band, 2.5 MHz, 2x2 Modulation Type, 64-QAM, Coding Rate, 5/6., High Channel 5831 MHz						
	Value	dBm/100kHz	Value	Limit		
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	Result	
	10.258	-15.2	-4.942	8	Pass	



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

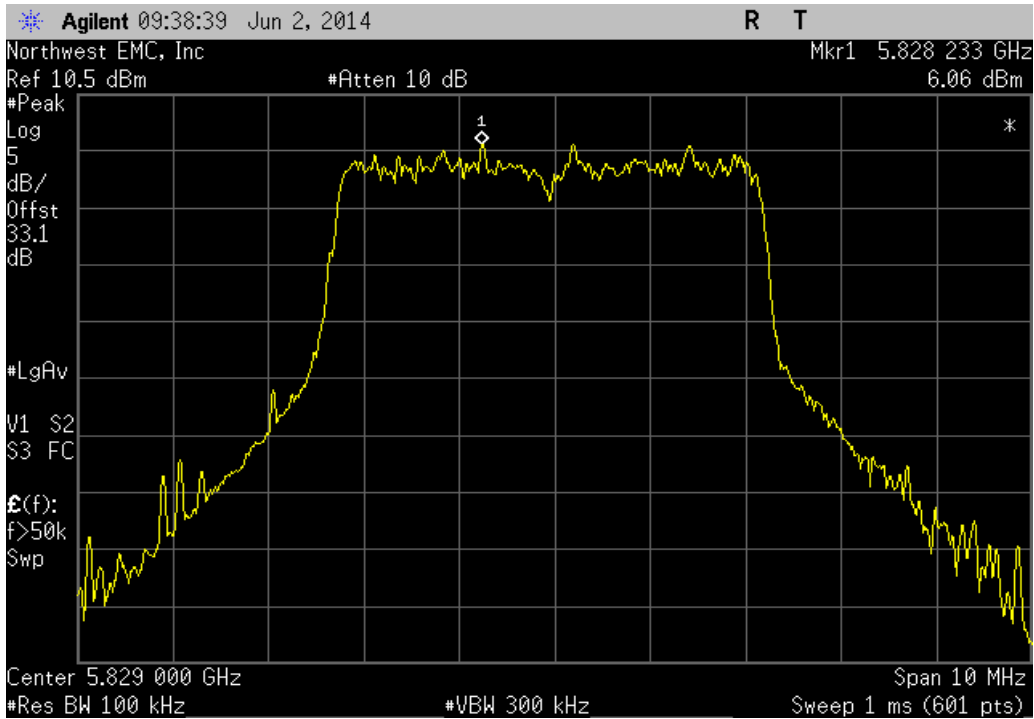


Chain 1, 5725 MHz - 5850 MHz Band, 5 MHz, 2x2 Modulation Type, BPSK, Coding Rate, 1/2., Mid Channel 5784 MHz						
	Value	dBm/100kHz	Value	Limit		
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	Result	
	5.21	-15.2	-9.99	8	Pass	



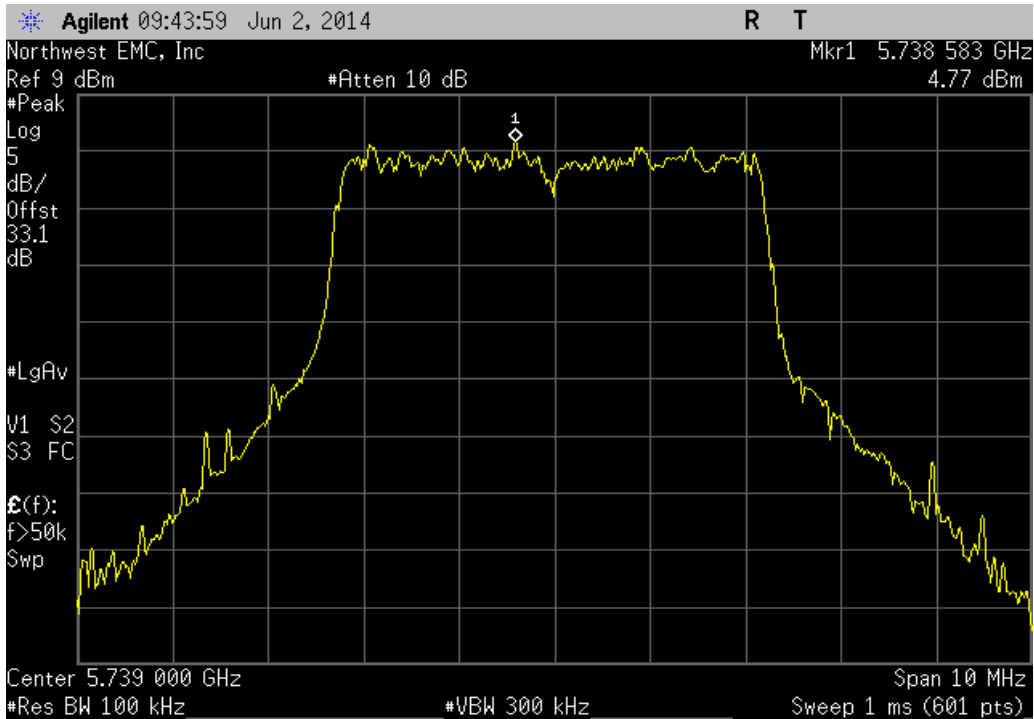
Chain 1, 5725 MHz - 5850 MHz Band, 5 MHz, 2x2 Modulation Type, BPSK, Coding Rate, 1/2., High Channel 5829 MHz

	Value	dBm/100kHz	Value	Limit	
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	Result
	6.061	-15.2	-9.139	8	Pass

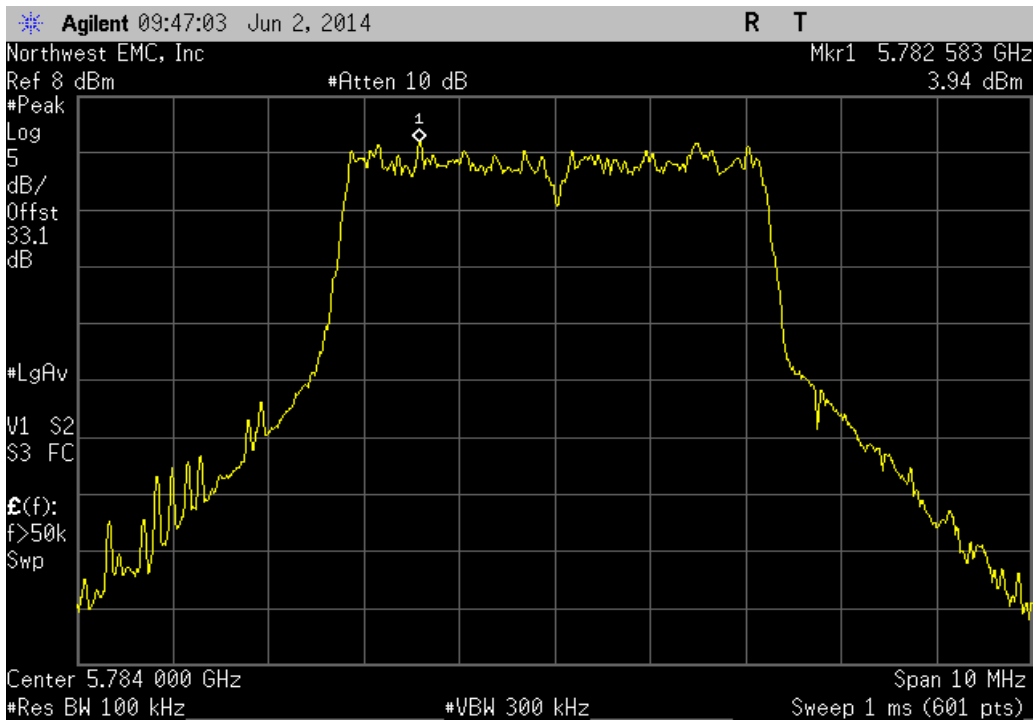


Chain 1, 5725 MHz - 5850 MHz Band, 5 MHz, 2x2 Modulation Type, 64-QAM, Coding Rate, 5/6., Low Channel 5739 MHz

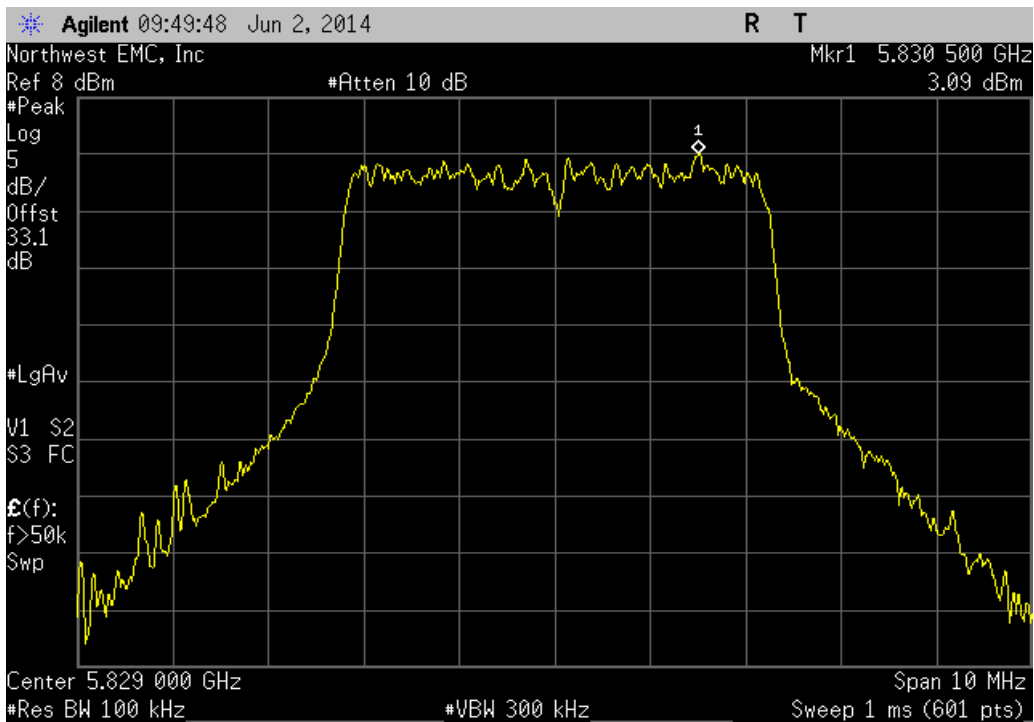
	Value	dBm/100kHz	Value	Limit	
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	Result
	4.767	-15.2	-10.433	8	Pass



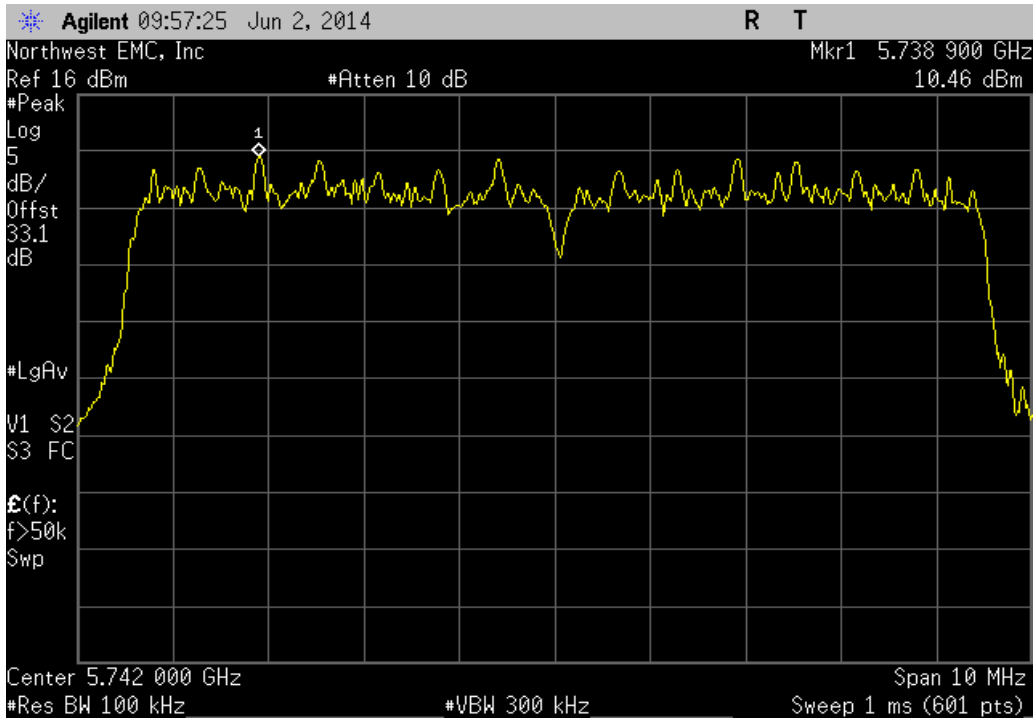
Chain 1, 5725 MHz - 5850 MHz Band, 5 MHz, 2x2 Modulation Type, 64-QAM, Coding Rate, 5/6., Mid Channel 5784 MHz					
	Value	dBm/100kHz	Value	Limit	
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	Result
	3.941	-15.2	-11.259	8	Pass



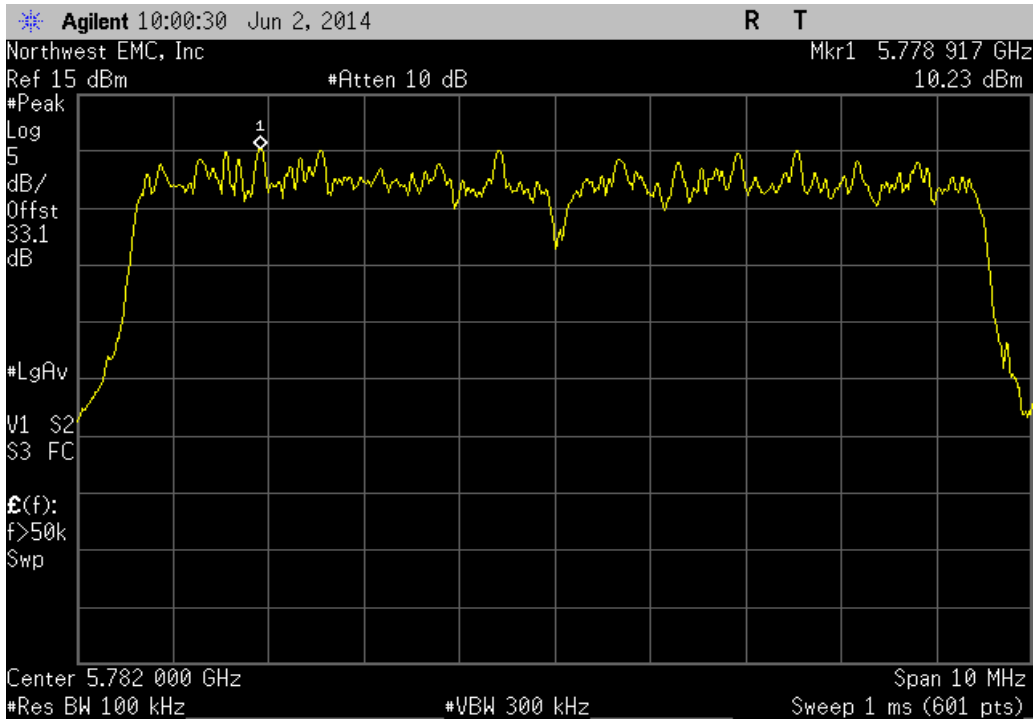
Chain 1, 5725 MHz - 5850 MHz Band, 5 MHz, 2x2 Modulation Type, 64-QAM, Coding Rate, 5/6., High Channel 5829 MHz					
	Value	dBm/100kHz	Value	Limit	
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	Result
	3.089	-15.2	-12.111	8	Pass



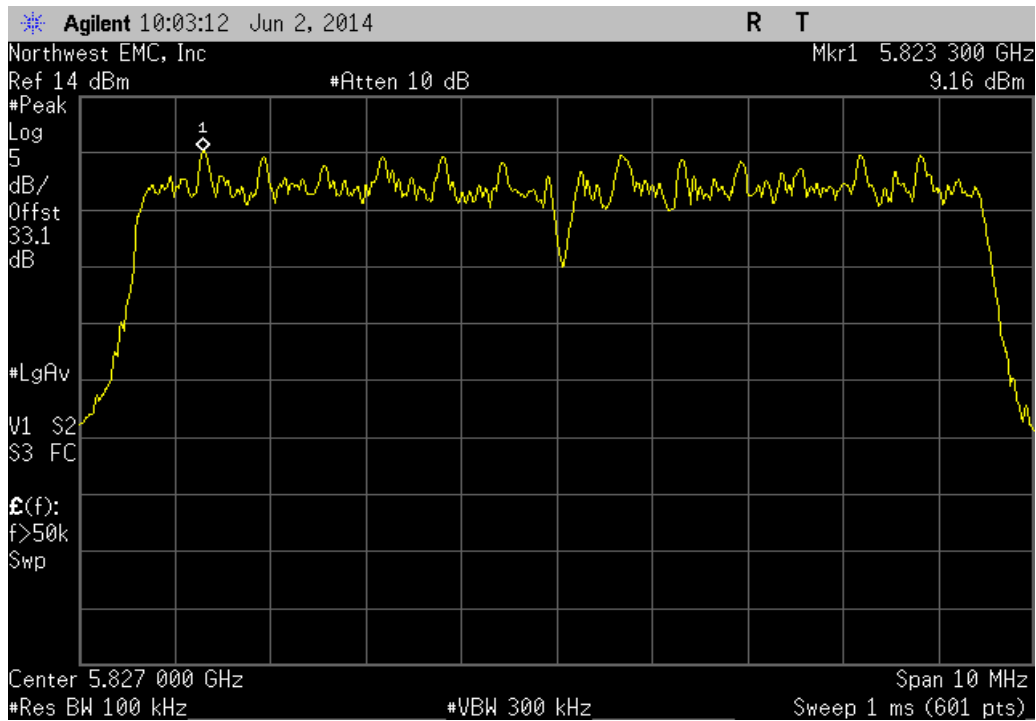
Chain 1, 5725 MHz - 5850 MHz Band, 10 MHz, 2x2 Modulation Type, BPSK, Coding Rate, 1/2., Low Channel 5742 MHz						
	Value	dBm/100kHz	Value	Limit		
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	Result	
	10.458	-15.2	-4.742	8	Pass	



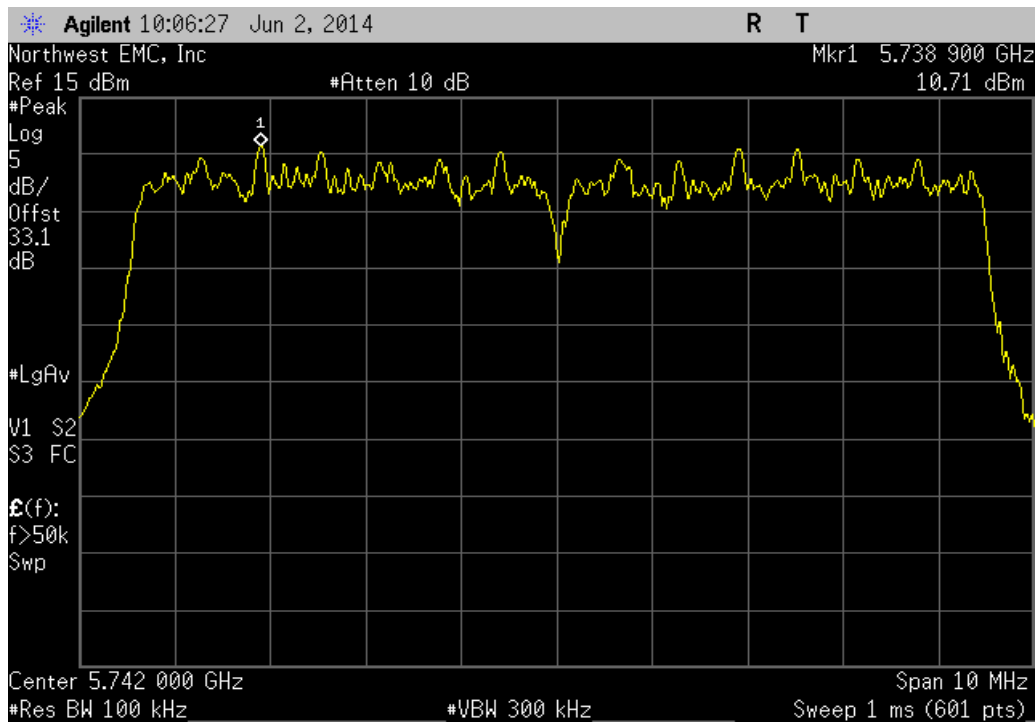
Chain 1, 5725 MHz - 5850 MHz Band, 10 MHz, 2x2 Modulation Type, BPSK, Coding Rate, 1/2., Mid Channel 5782 MHz						
	Value	dBm/100kHz	Value	Limit		
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	Result	
	10.235	-15.2	-4.965	8	Pass	



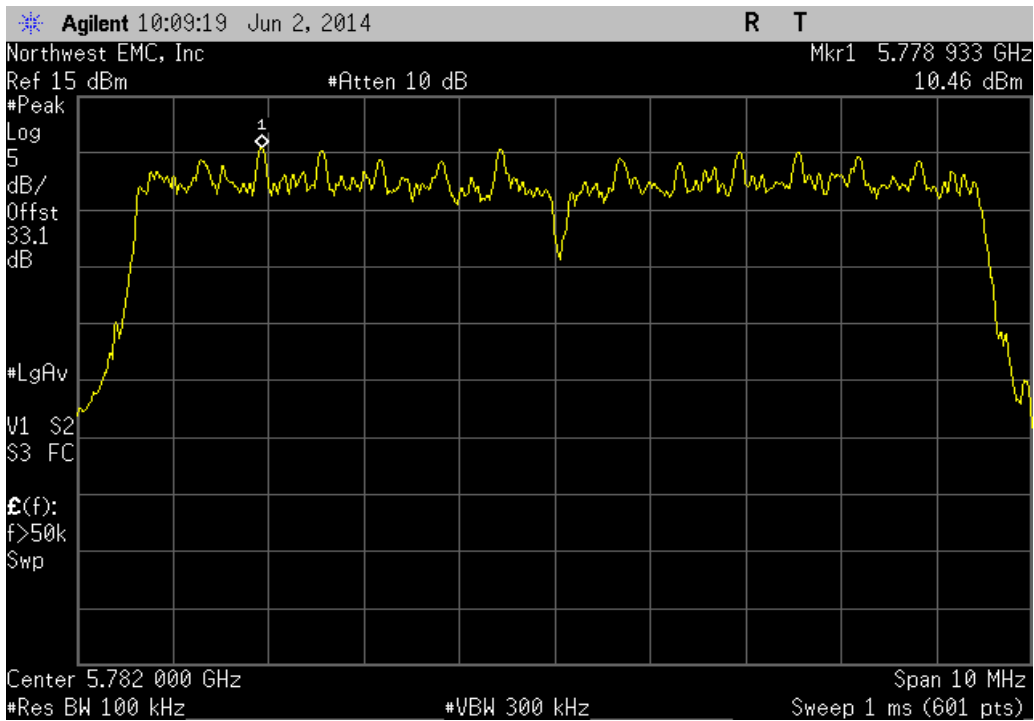
Chain 1, 5725 MHz - 5850 MHz Band, 10 MHz, 2x2 Modulation Type, BPSK, Coding Rate, 1/2., High Channel 5827 MHz						
	Value	dBm/100kHz	Value	Limit		
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	Result	
	9.157	-15.2	-6.043	8	Pass	



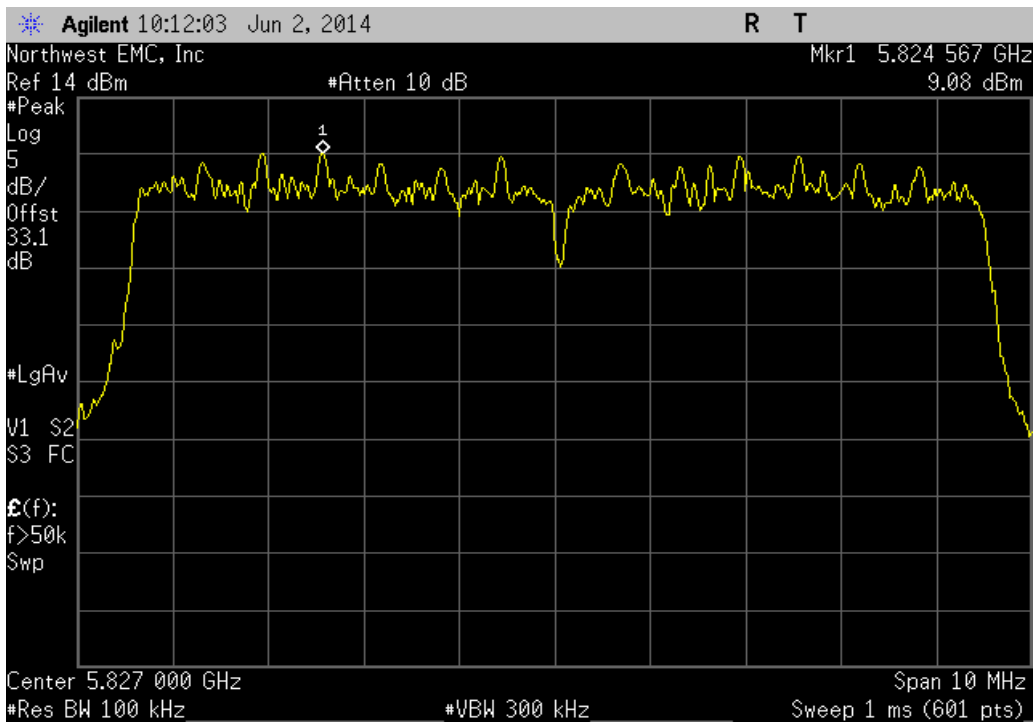
Chain 1, 5725 MHz - 5850 MHz Band, 10 MHz, 2x2 Modulation Type, 64-QAM, Coding Rate, 5/6., Low Channel 5742 MHz						
	Value	dBm/100kHz	Value	Limit		
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	Result	
	10.706	-15.2	-4.494	8	Pass	



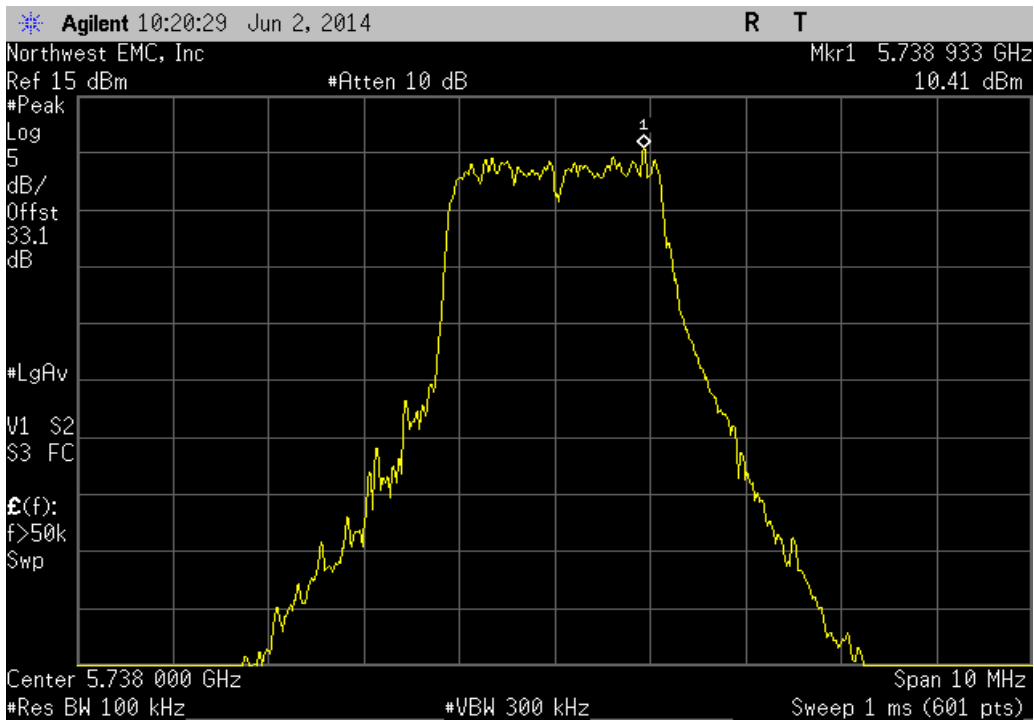
Chain 1, 5725 MHz - 5850 MHz Band, 10 MHz, 2x2 Modulation Type, 64-QAM, Coding Rate, 5/6., Mid Channel 5782 MHz						
	Value	dBm/100kHz	To dBm/3kHz	Value	Limit	Result
	10.458	-15.2	-4.742	8	8	Pass



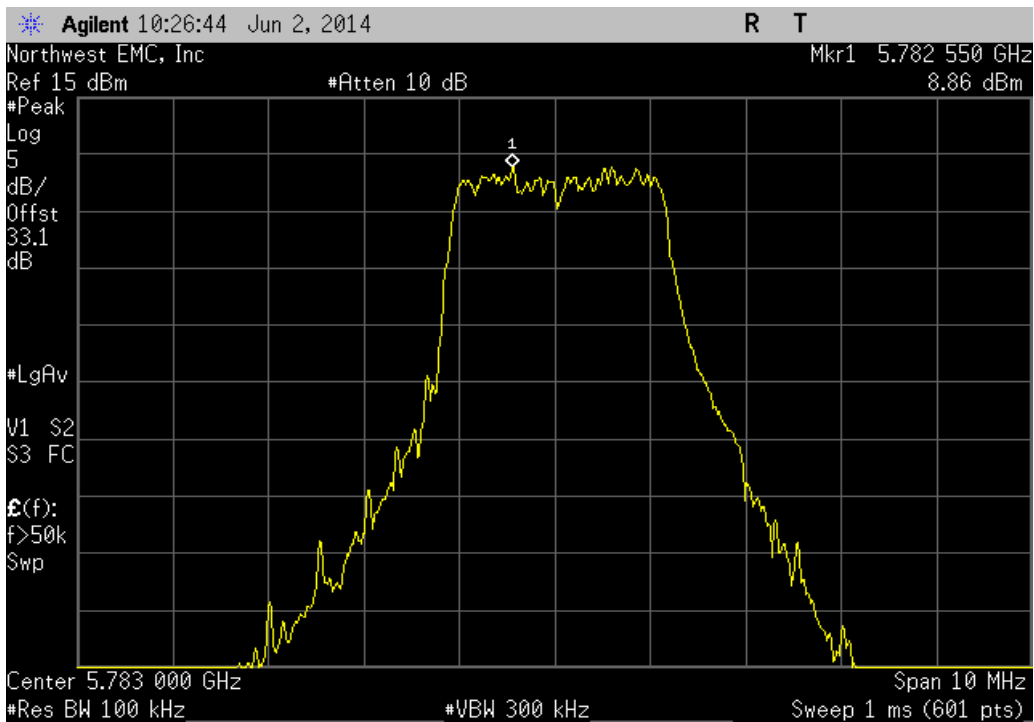
Chain 1, 5725 MHz - 5850 MHz Band, 10 MHz, 2x2 Modulation Type, 64-QAM, Coding Rate, 5/6., High Channel 5827 MHz						
	Value	dBm/100kHz	To dBm/3kHz	Value	Limit	Result
	9.084	-15.2	-6.116	8	8	Pass



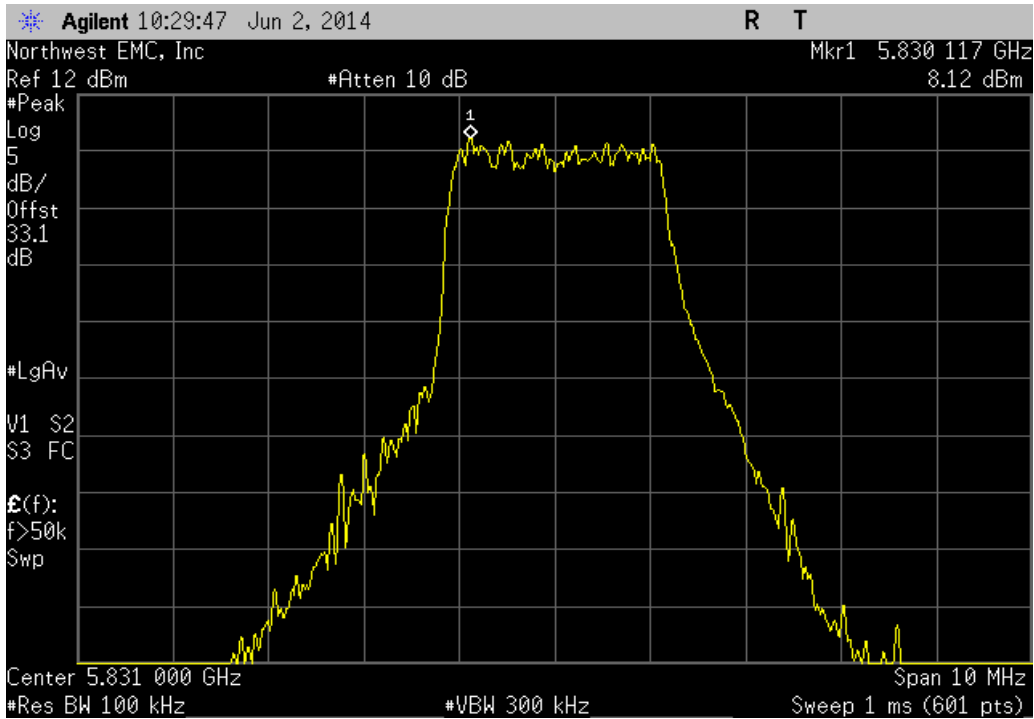
Chain 2, 5725 MHz - 5850 MHz Band, 2.5 MHz, 2x2 Modulation Type, BPSK, Coding Rate, 1/2., Low Channel 5738 MHz						
	Value	dBm/100kHz	Value	Limit		
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	Result	
	10.407	-15.2	-4.793	8	Pass	



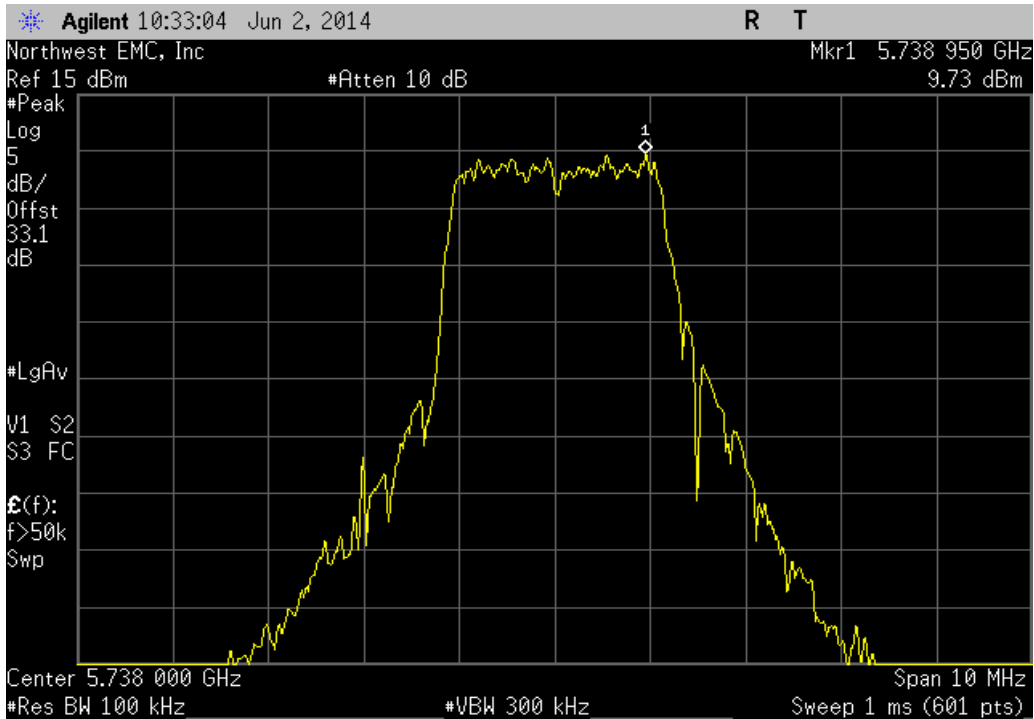
Chain 2, 5725 MHz - 5850 MHz Band, 2.5 MHz, 2x2 Modulation Type, BPSK, Coding Rate, 1/2., Mid Channel 5783 MHz						
	Value	dBm/100kHz	Value	Limit		
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	Result	
	8.857	-15.2	-6.343	8	Pass	



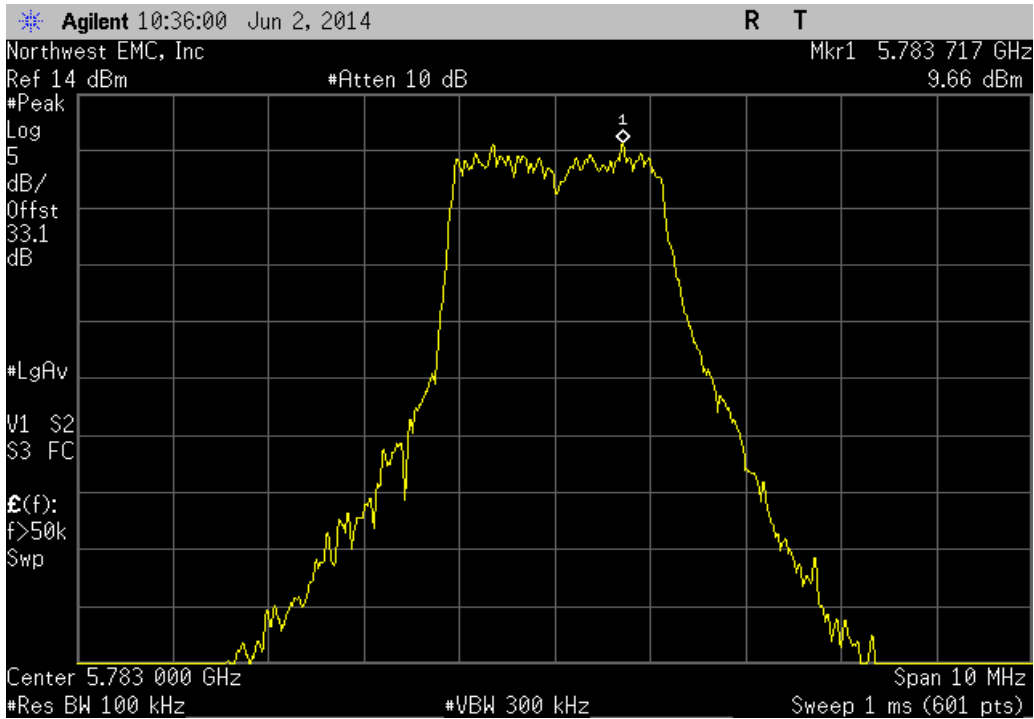
Chain 2, 5725 MHz - 5850 MHz Band, 2.5 MHz, 2x2 Modulation Type, BPSK, Coding Rate, 1/2., High Channel 5831 MHz					
	Value	dBm/100kHz	Value	Limit	
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	Result
	8.124	-15.2	-7.076	8	Pass



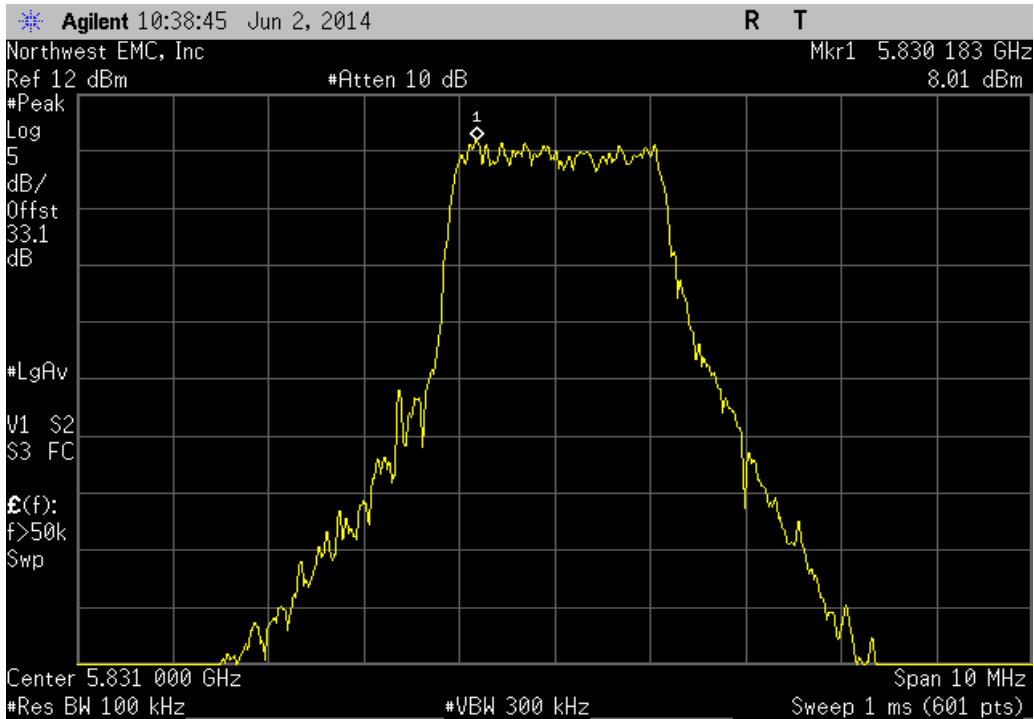
Chain 2, 5725 MHz - 5850 MHz Band, 2.5 MHz, 2x2 Modulation Type, 64-QAM, Coding Rate, 5/6., Low Channel 5738 MHz					
	Value	dBm/100kHz	Value	Limit	
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	Result
	9.731	-15.2	-5.469	8	Pass



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	To dBm/3kHz	Value	Limit	Result
	dBm/100kHz			dBm/3kHz	dBm/3kHz	
	9.664		-15.2	-5.536	8	Pass

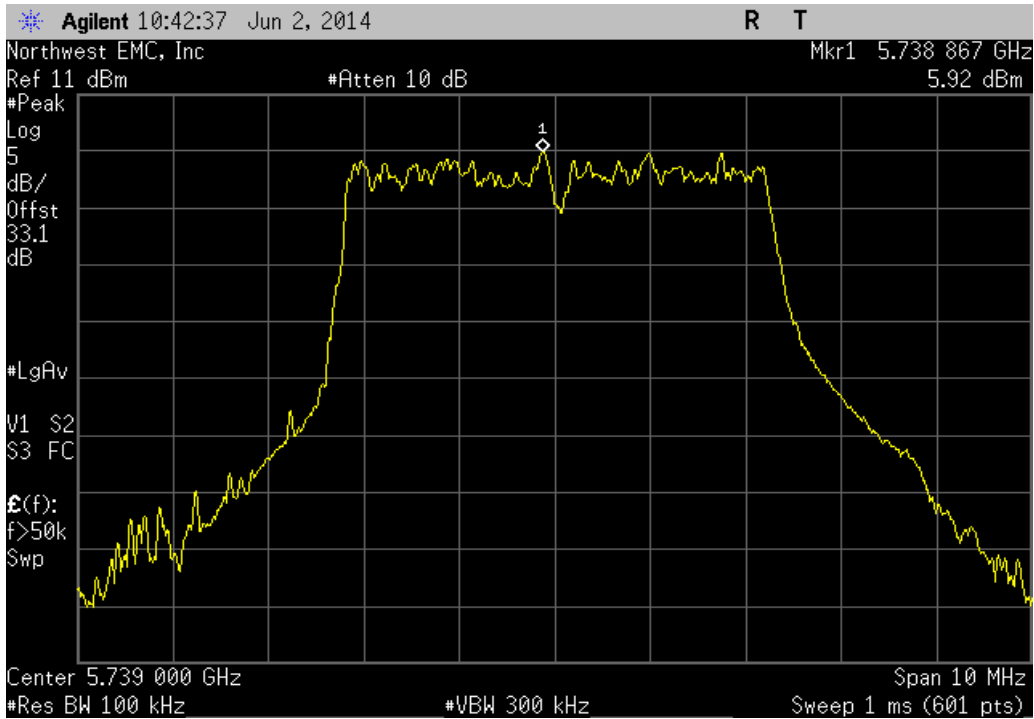


Chain 2, 5725 MHz - 5850 MHz Band, 2.5 MHz, 2x2 Modulation Type, 64-QAM, Coding Rate, 5/6., High Channel 5831 MHz						
	Value	dBm/100kHz	To dBm/3kHz	Value	Limit	Result
	dBm/100kHz			dBm/3kHz	dBm/3kHz	
	8.013		-15.2	-7.187	8	Pass



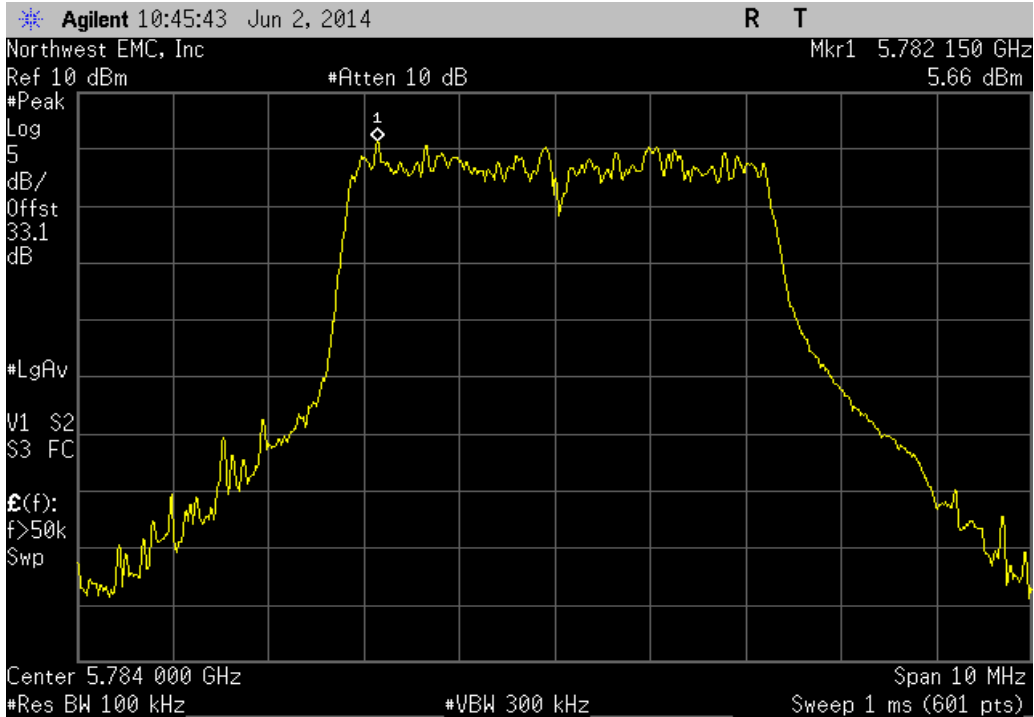
Chain 2, 5725 MHz - 5850 MHz Band, 5 MHz, 2x2 Modulation Type, BPSK, Coding Rate, 1/2., Low Channel 5739 MHz

	Value	dBm/100kHz	Value	Limit	
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	Result
	5.917	-15.2	-9.283	8	Pass

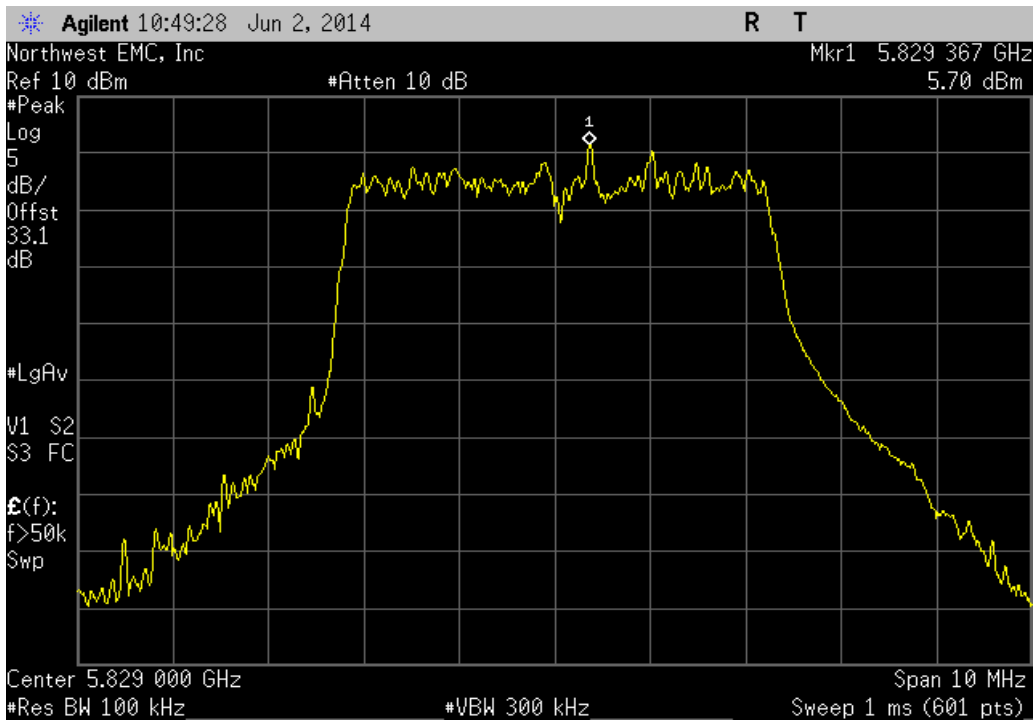


Chain 2, 5725 MHz - 5850 MHz Band, 5 MHz, 2x2 Modulation Type, BPSK, Coding Rate, 1/2., Mid Channel 5784 MHz

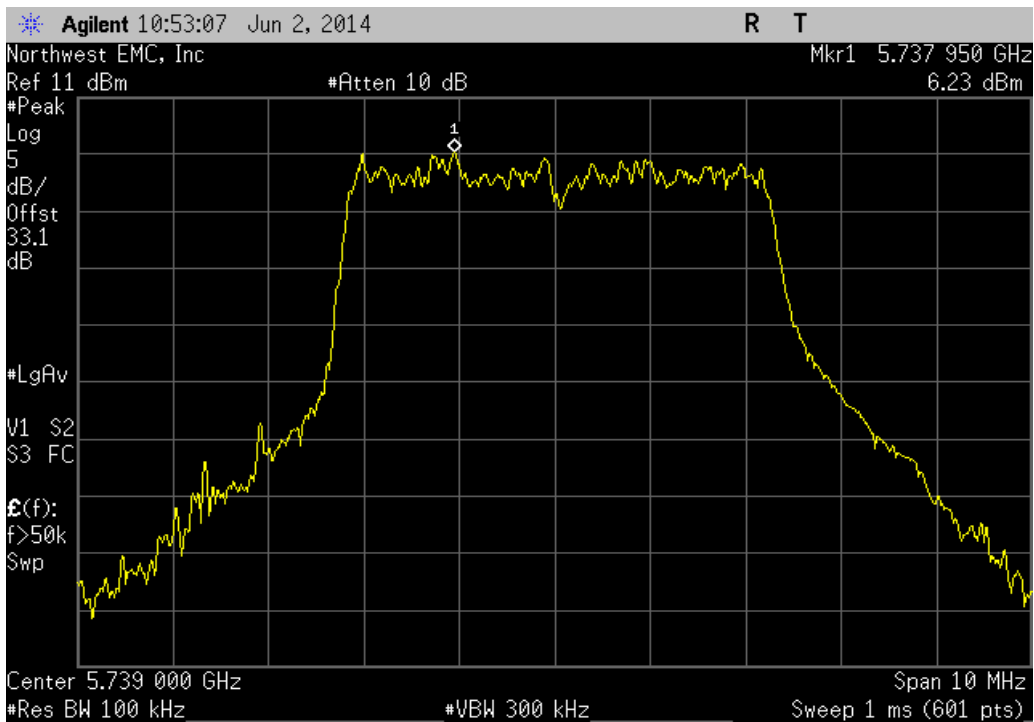
	Value	dBm/100kHz	Value	Limit	
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	Result
	5.66	-15.2	-9.54	8	Pass



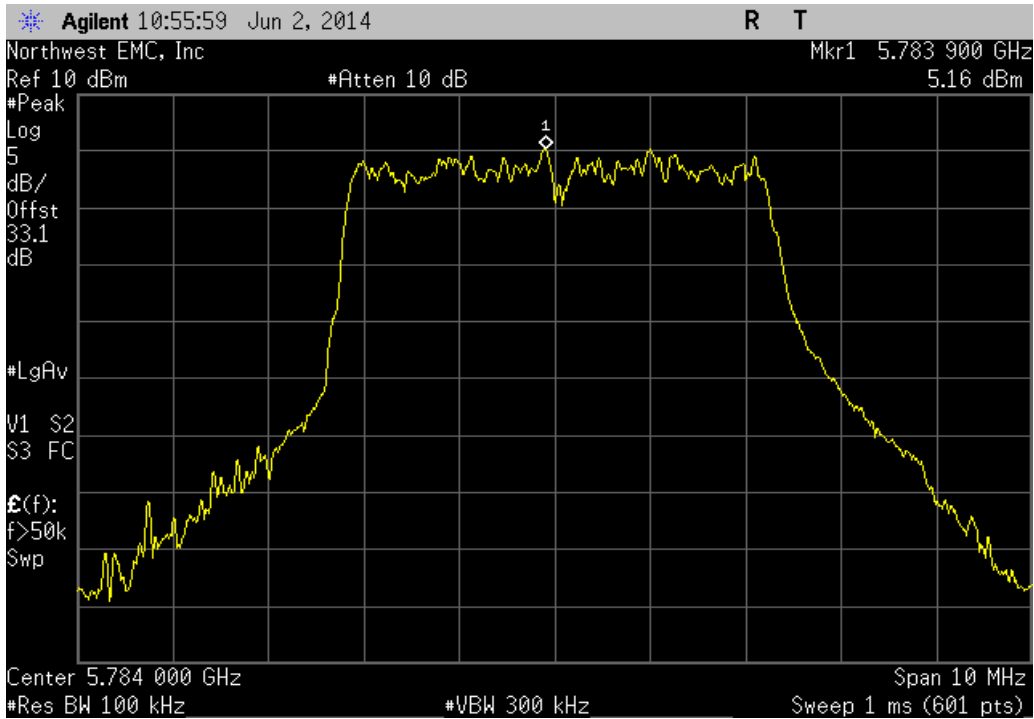
Chain 2, 5725 MHz - 5850 MHz Band, 5 MHz, 2x2 Modulation Type, BPSK, Coding Rate, 1/2., High Channel 5829 MHz						
	Value	dBm/100kHz	Value	Limit		
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	Result	
	5.698	-15.2	-9.502	8	Pass	



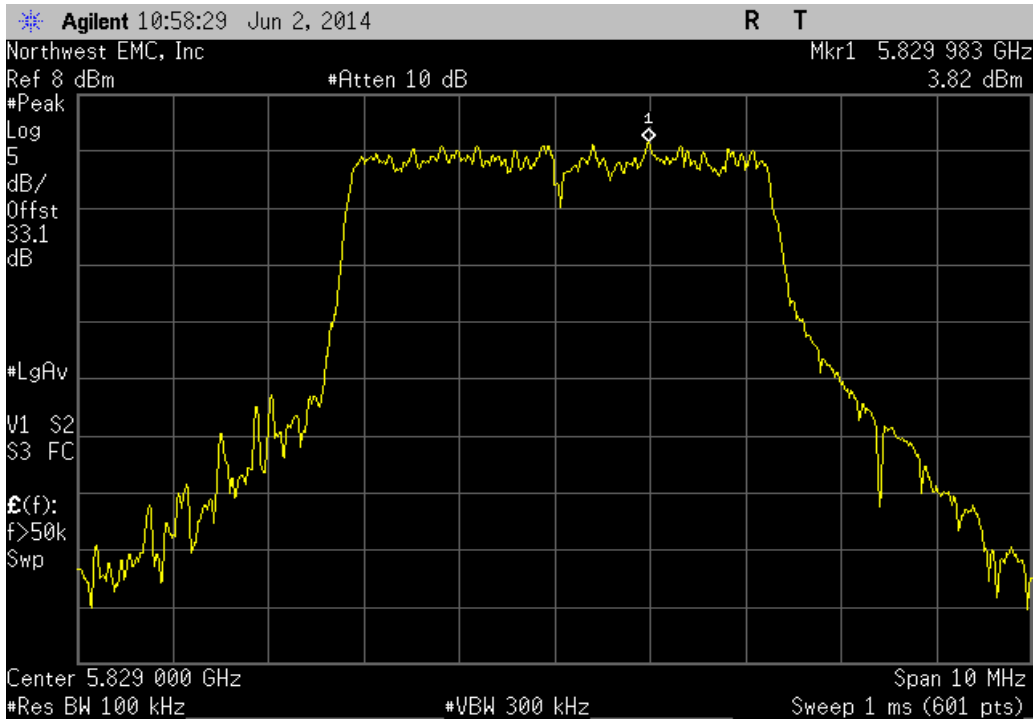
Chain 2, 5725 MHz - 5850 MHz Band, 5 MHz, 2x2 Modulation Type, 64-QAM, Coding Rate, 5/6., Low Channel 5739 MHz						
	Value	dBm/100kHz	Value	Limit		
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	Result	
	6.229	-15.2	-8.971	8	Pass	



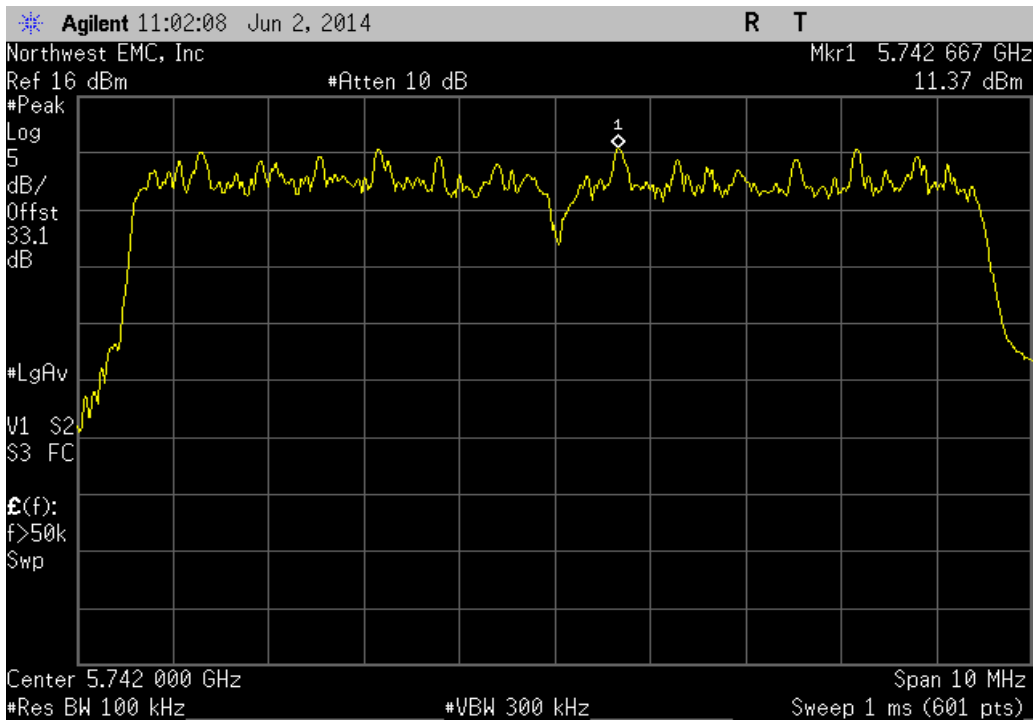
Chain 2, 5725 MHz - 5850 MHz Band, 5 MHz, 2x2 Modulation Type, 64-QAM, Coding Rate, 5/6., Mid Channel 5784 MHz						
	Value	dBm/100kHz	Value	Limit		
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	Result	
	5.161	-15.2	-10.039	8	Pass	



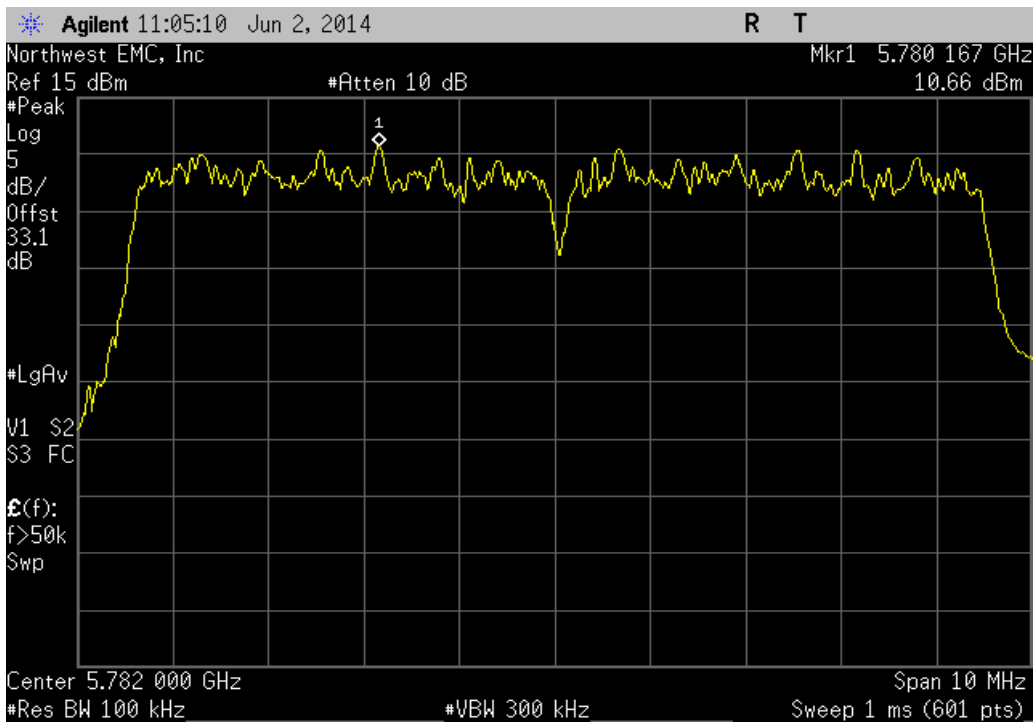
Chain 2, 5725 MHz - 5850 MHz Band, 5 MHz, 2x2 Modulation Type, 64-QAM, Coding Rate, 5/6., High Channel 5829 MHz						
	Value	dBm/100kHz	Value	Limit		
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	Result	
	3.824	-15.2	-11.376	8	Pass	



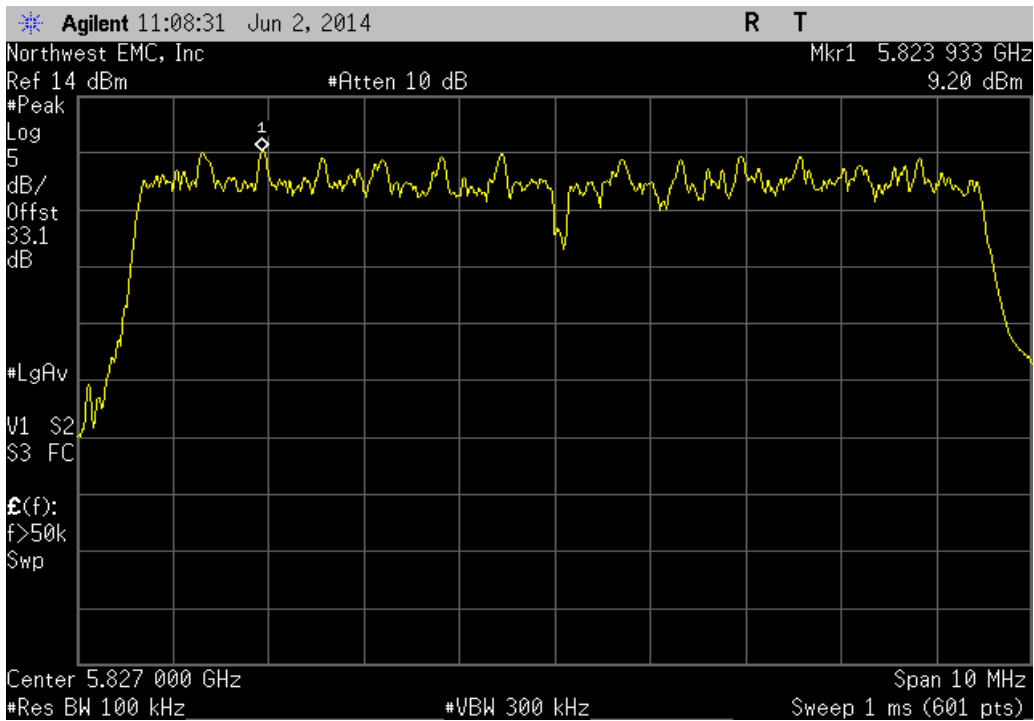
Chain 2, 5725 MHz - 5850 MHz Band, 10 MHz, 2x2 Modulation Type, BPSK, Coding Rate, 1/2., Low Channel 5742 MHz						
	Value	dBm/100kHz	Value	Limit		
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	Result	
	11.369	-15.2	-3.831	8	Pass	



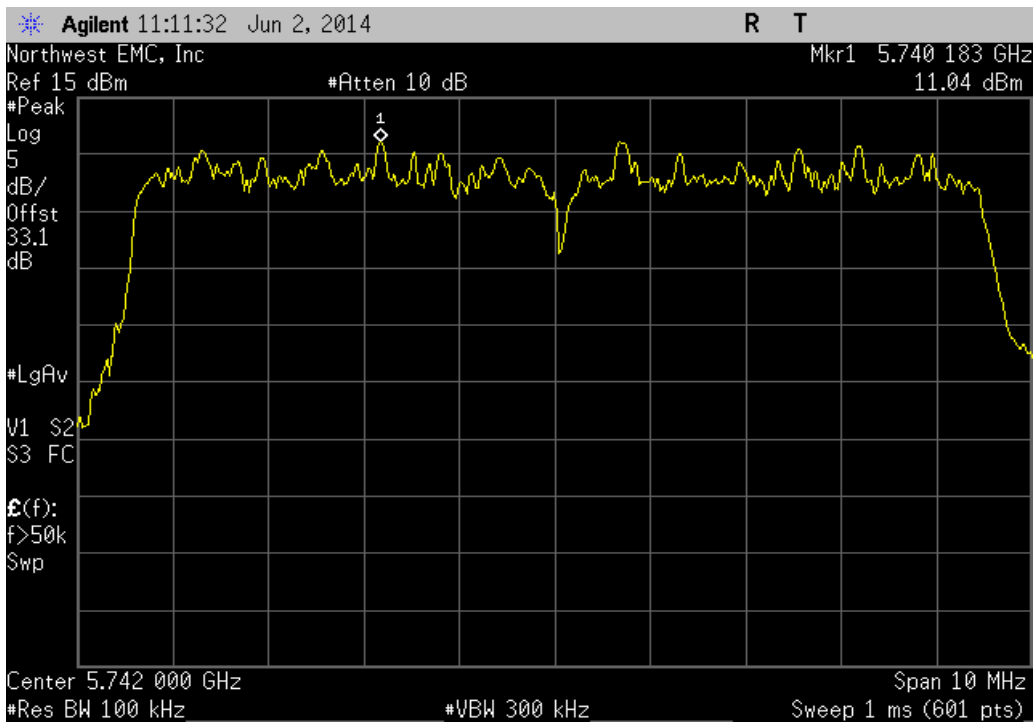
Chain 2, 5725 MHz - 5850 MHz Band, 10 MHz, 2x2 Modulation Type, BPSK, Coding Rate, 1/2., Mid Channel 5782 MHz						
	Value	dBm/100kHz	Value	Limit		
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	Result	
	10.658	-15.2	-4.542	8	Pass	



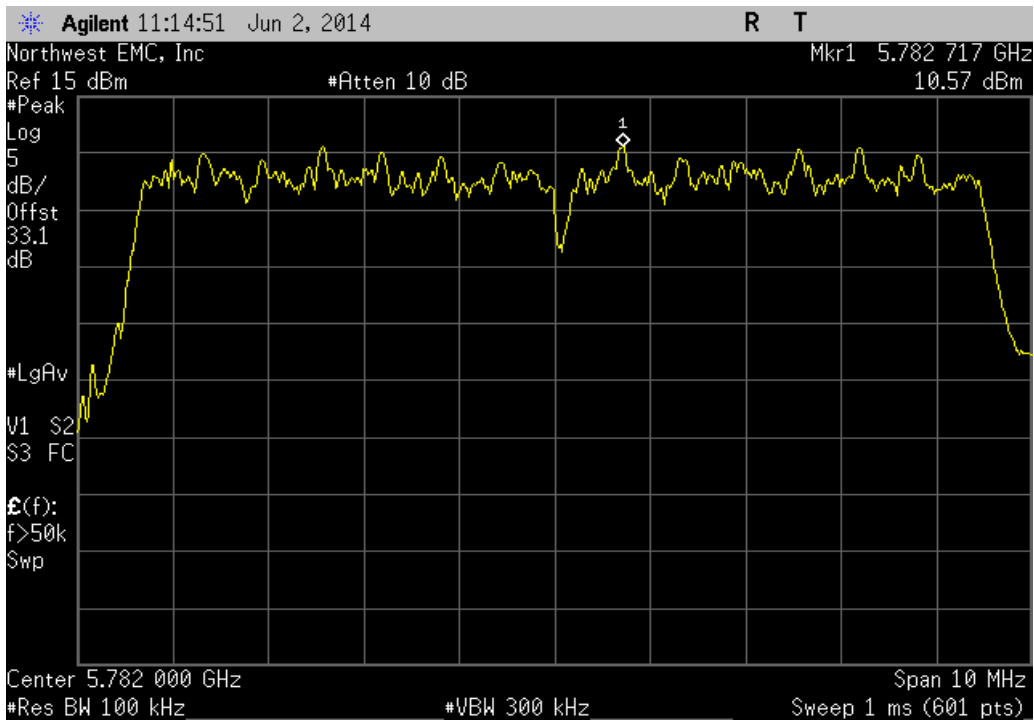
Chain 2, 5725 MHz - 5850 MHz Band, 10 MHz, 2x2 Modulation Type, BPSK, Coding Rate, 1/2., High Channel 5827 MHz						
	Value	dBm/100kHz	Value	Limit		
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	Result	
	9.201	-15.2	-5.999	8	Pass	



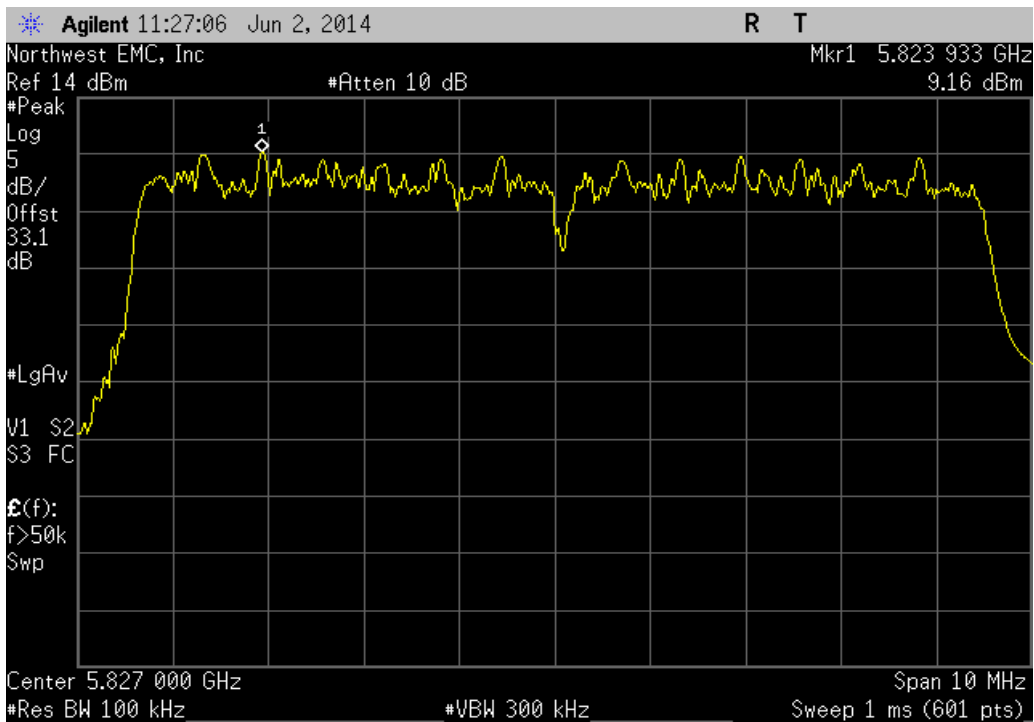
Chain 2, 5725 MHz - 5850 MHz Band, 10 MHz, 2x2 Modulation Type, 64-QAM, Coding Rate, 5/6., Low Channel 5742 MHz						
	Value	dBm/100kHz	Value	Limit		
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	Result	
	11.043	-15.2	-4.157	8	Pass	



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	To dBm/3kHz	Value	Limit	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	To dBm/3kHz	Value	Limit	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:

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

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

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

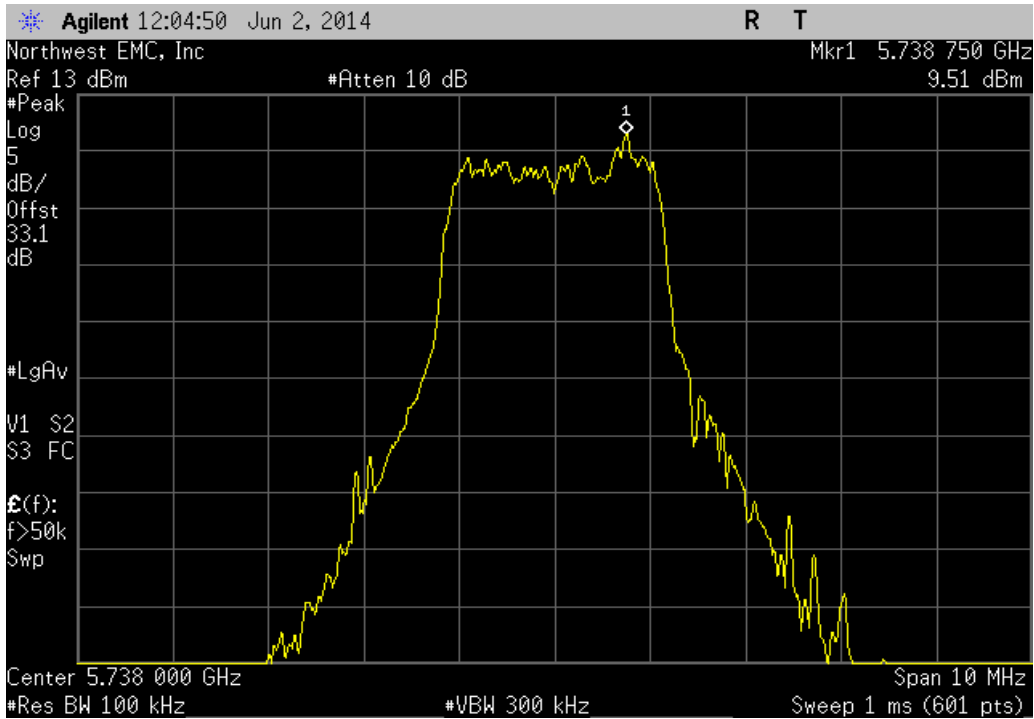
DEVIATIONS FROM TEST STANDARD

Configuration #	1	Signature 
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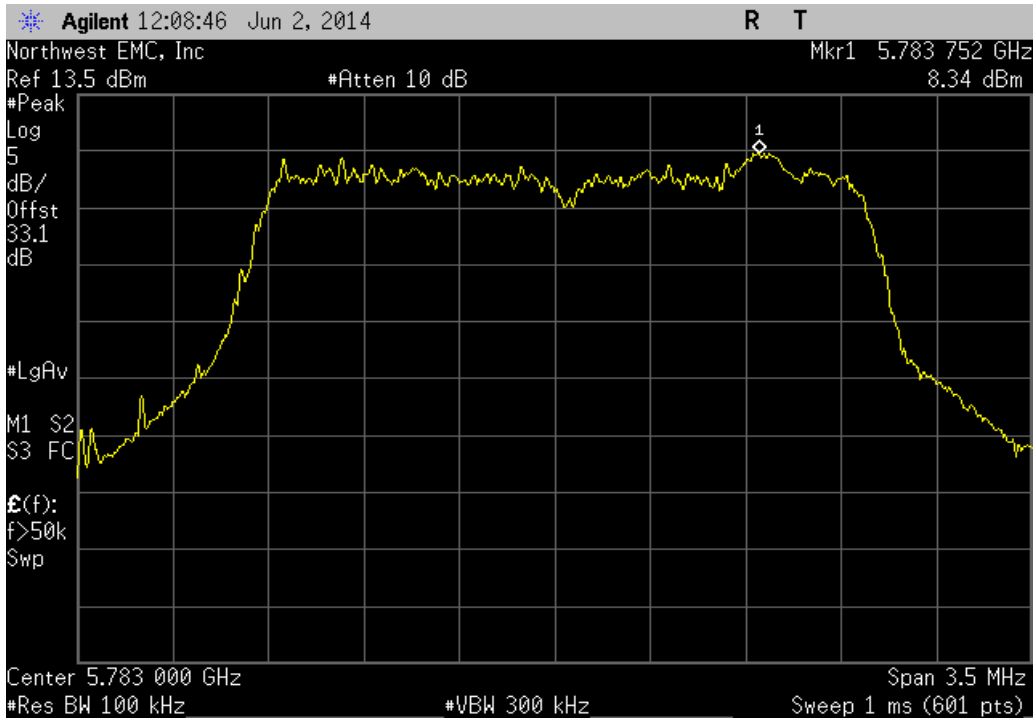
Chain	Bandwidth	Modulation Type	Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
Chain 1	5725 MHz - 5850 MHz Band 2.5MHz Bandwidth	3x3 Modulation Type, BPSK, Coding Rate, 1/2.					
		Low Channel 668, 5738MHz	9.508	-15.2	-5.692	8	Pass
		Mid Channel 713, 5783MHz	8.341	-15.2	-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.							
	Value	Summing Factor	dBm/100kHz	Summed Power	Limit	Results	
	(dBm/MHz)	(dBm)	To dBm/3kHz	(dBm/MHz)	(dBm/MHz)		
Low Channel 672, 5742MHz	10.15	3	-15.2	-5.05	8	Pass	
Mid Channel 712, 5782MHz	9.566	3	-15.2	-5.634	8	Pass	
High Channel 757, 5827MHz	7.993	3	-15.2	-7.207	8	Pass	
3x3 Modulation Type, 64-QAM, Coding Rate, 5/6.							
Low Channel 672, 5742MHz	9.739	3	-15.2	-5.461	8	Pass	
Mid Channel 712, 5782MHz	9.793	3	-15.2	-5.407	8	Pass	
High Channel 757, 5827MHz	7.952	3	-15.2	-7.248	8	Pass	
Chain 1							
2400 MHz - 2483.5 MHz Band							
2.5MHz Bandwidth							
3x3 Modulation Type, BPSK, Coding Rate, 1/2.							
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							
3x3 Modulation Type, BPSK, Coding Rate, 1/2.							
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							
3x3 Modulation Type, BPSK, Coding Rate, 1/2.							
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	

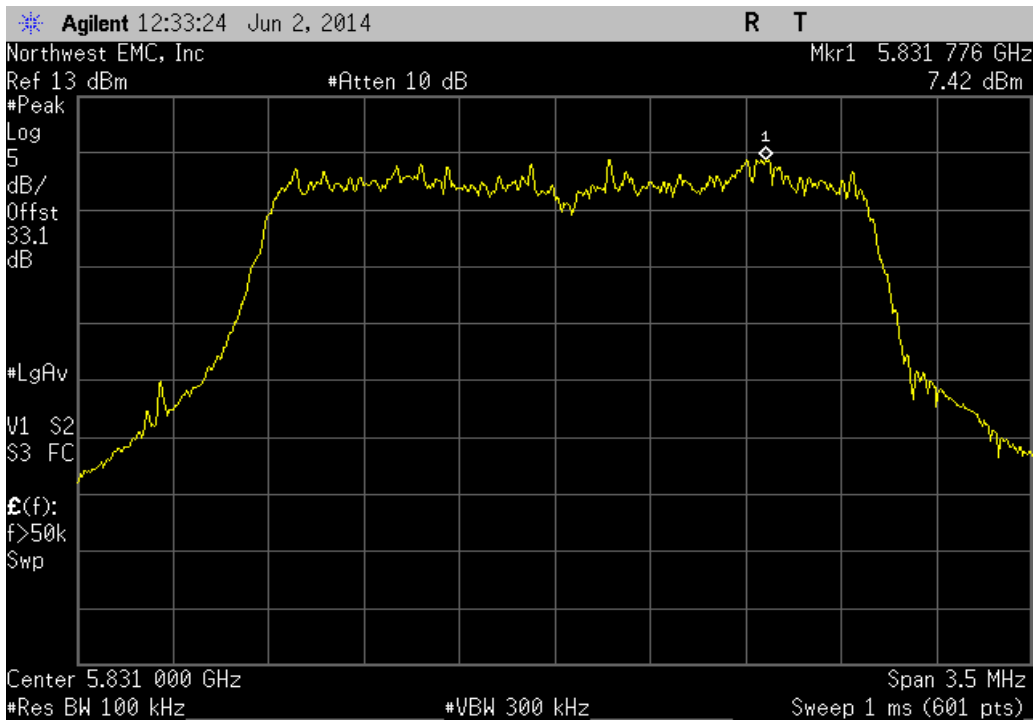
Chain 1 , 5725 MHz - 5850 MHz Band, 2.5MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., Low Channel 668, 5738MHz						
	Value	dBm/100kHz	To dBm/3kHz	Value	Limit	Result
	9.508	-15.2	-5.692	8	8	Pass



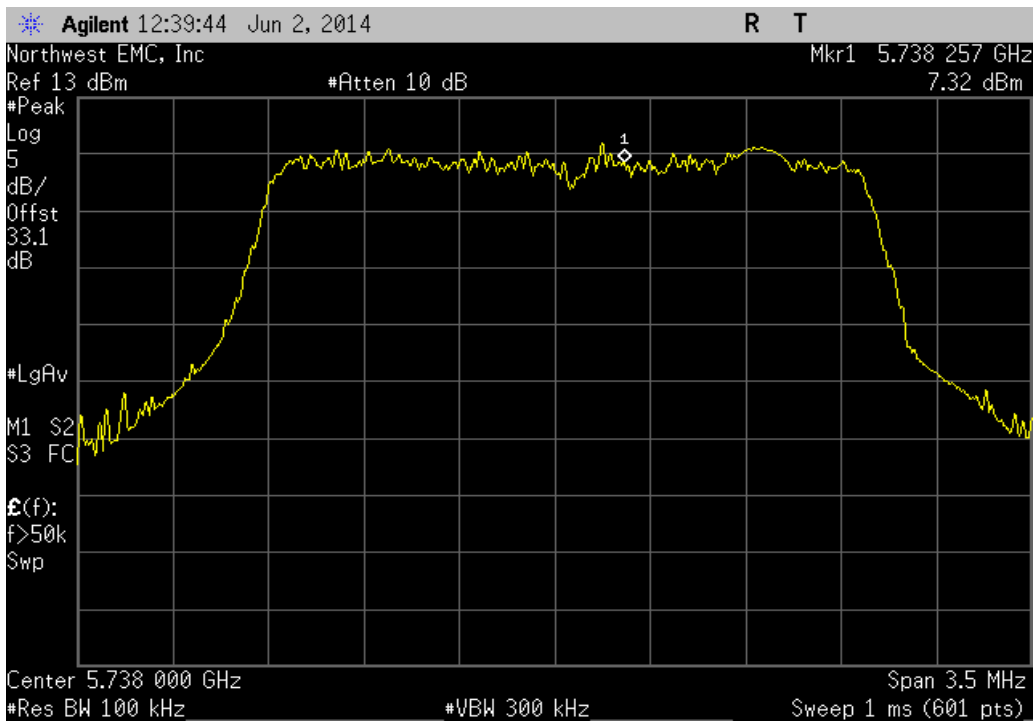
Chain 1 , 5725 MHz - 5850 MHz Band, 2.5MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., Mid Channel 713, 5783MHz						
	Value	dBm/100kHz	To dBm/3kHz	Value	Limit	Result
	8.341	-15.2	-6.859	8	8	Pass



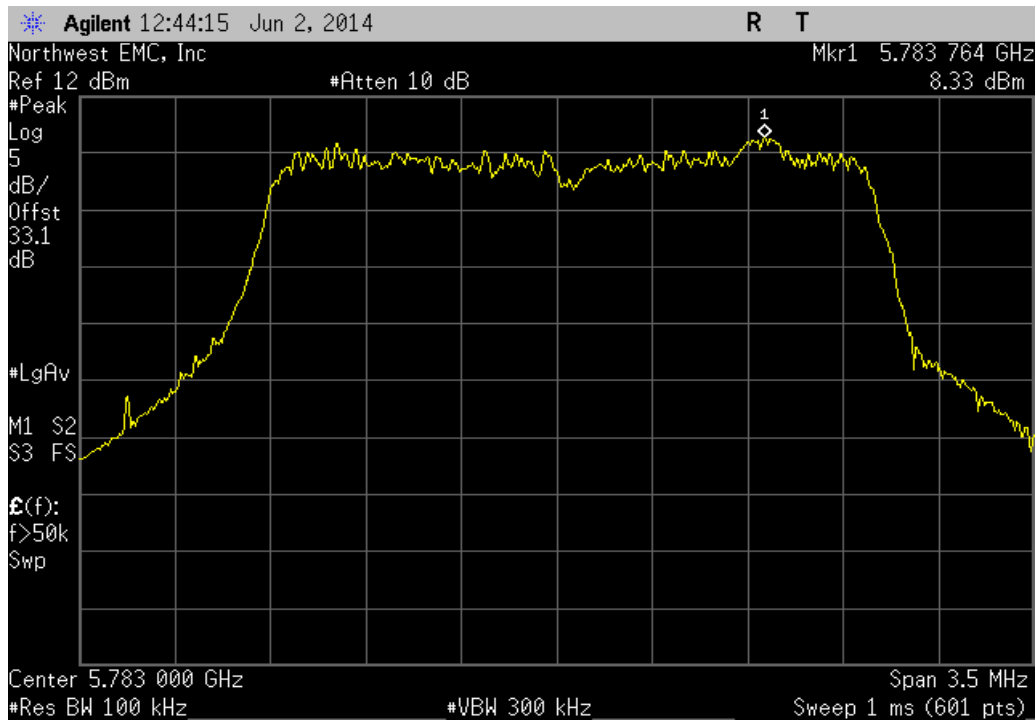
Chain 1 , 5725 MHz - 5850 MHz Band, 2.5MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., High Channel 761, 5831MHz						
	Value	dBm/100kHz	Value	Limit		
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	Result	
	7.42	-15.2	-7.78	8	Pass	



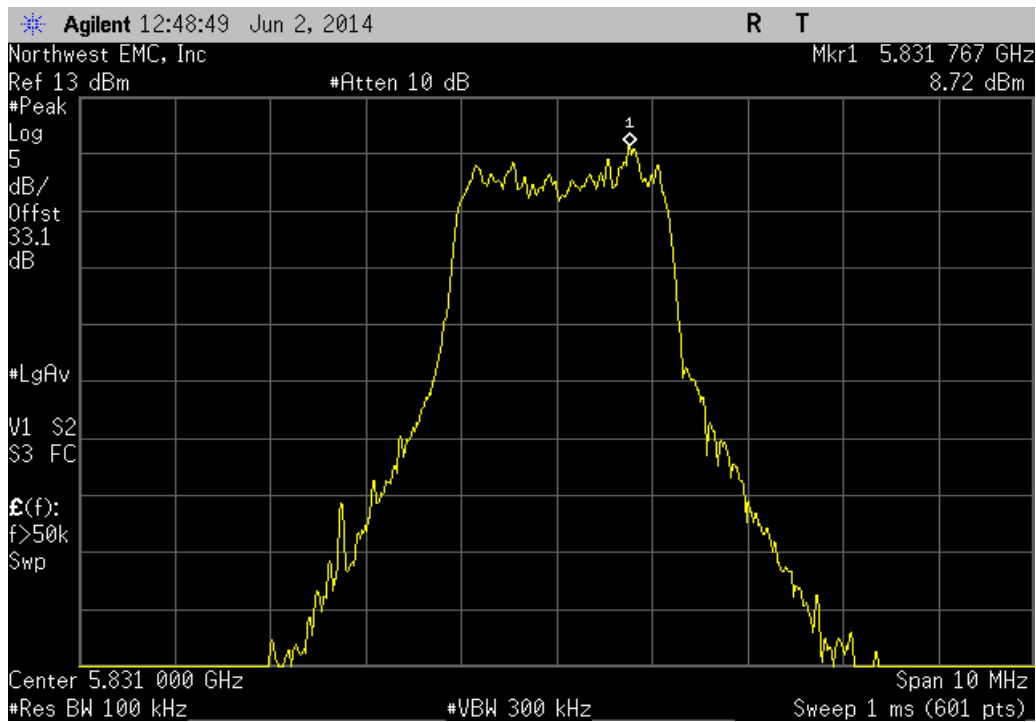
Chain 1 , 5725 MHz - 5850 MHz Band, 2.5MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., Low Channel 668, 5738MHz						
	Value	dBm/100kHz	Value	Limit		
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	Result	
	7.321	-15.2	-7.879	8	Pass	



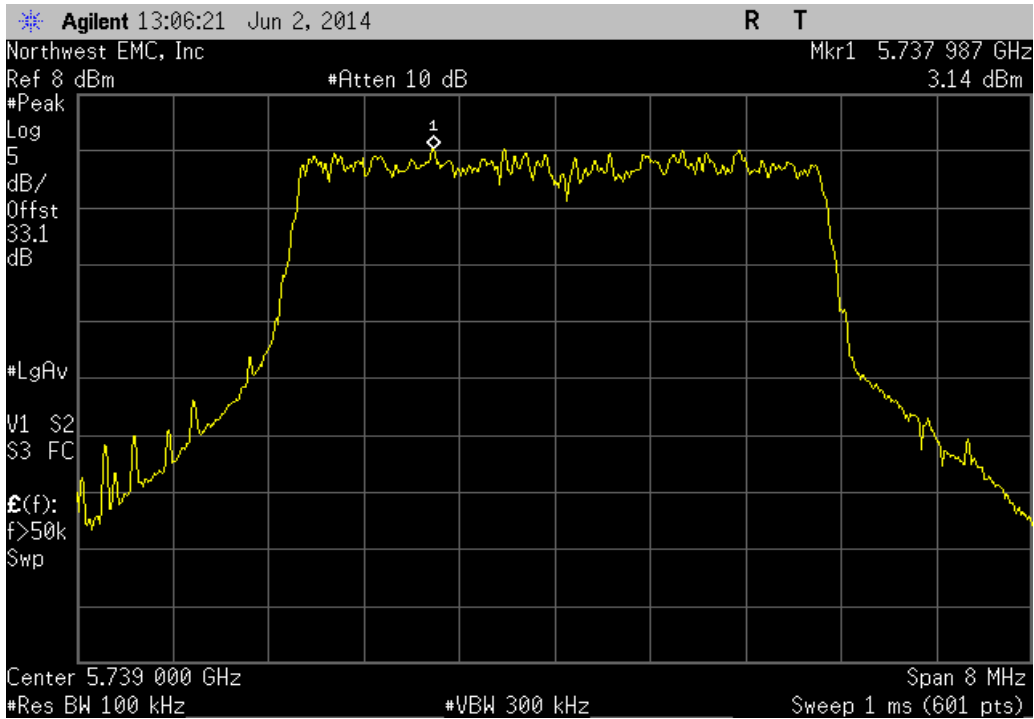
Chain 1 , 5725 MHz - 5850 MHz Band, 2.5MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., Mid Channel 713, 5783MHz						
	Value	dBm/100kHz	To dBm/3kHz	Value	Limit	Result
	8.328	-15.2	-6.872	8	Pass	



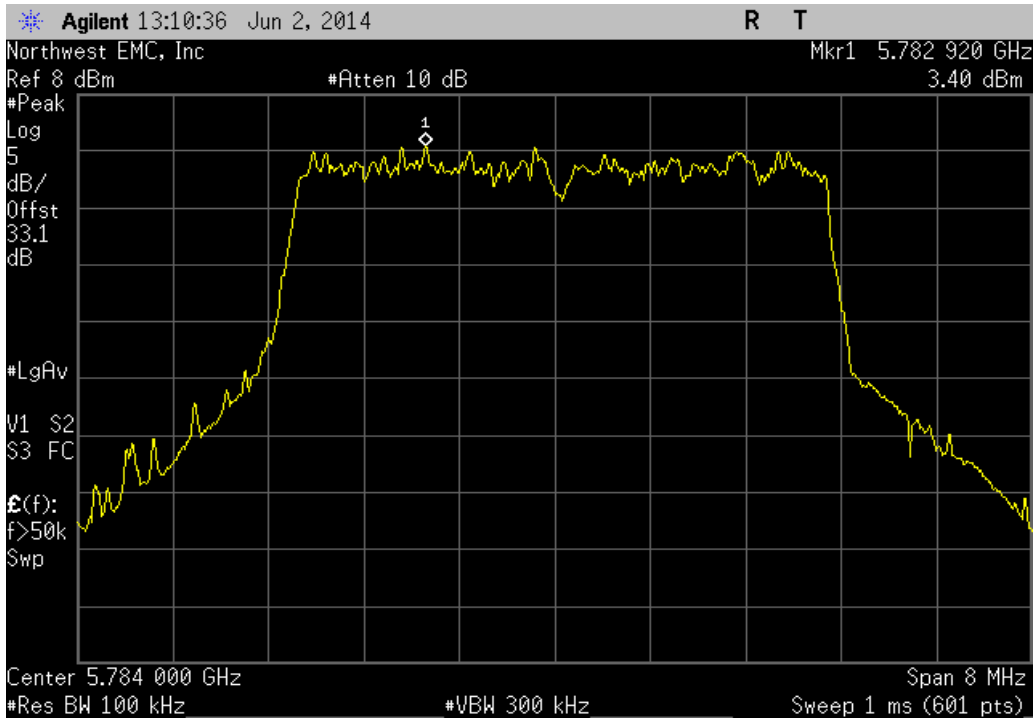
Chain 1 , 5725 MHz - 5850 MHz Band, 2.5MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., High Channel 761, 5831MHz						
	Value	dBm/100kHz	To dBm/3kHz	Value	Limit	Result
	8.715	-15.2	-6.485	8	Pass	



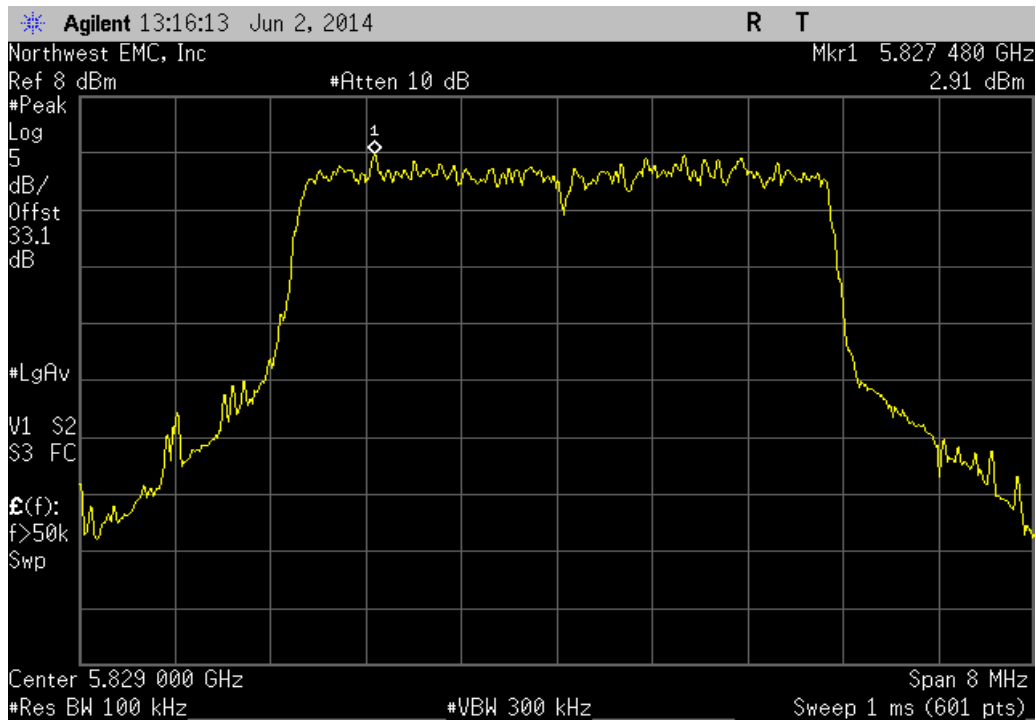
Chain 1 , 5725 MHz - 5850 MHz Band, 5MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., Low Channel 669, 5739MHz						
	Value	dBm/100kHz	To dBm/3kHz	Value	Limit	Result
	3.139	-15.2	-12.061	8	8	Pass



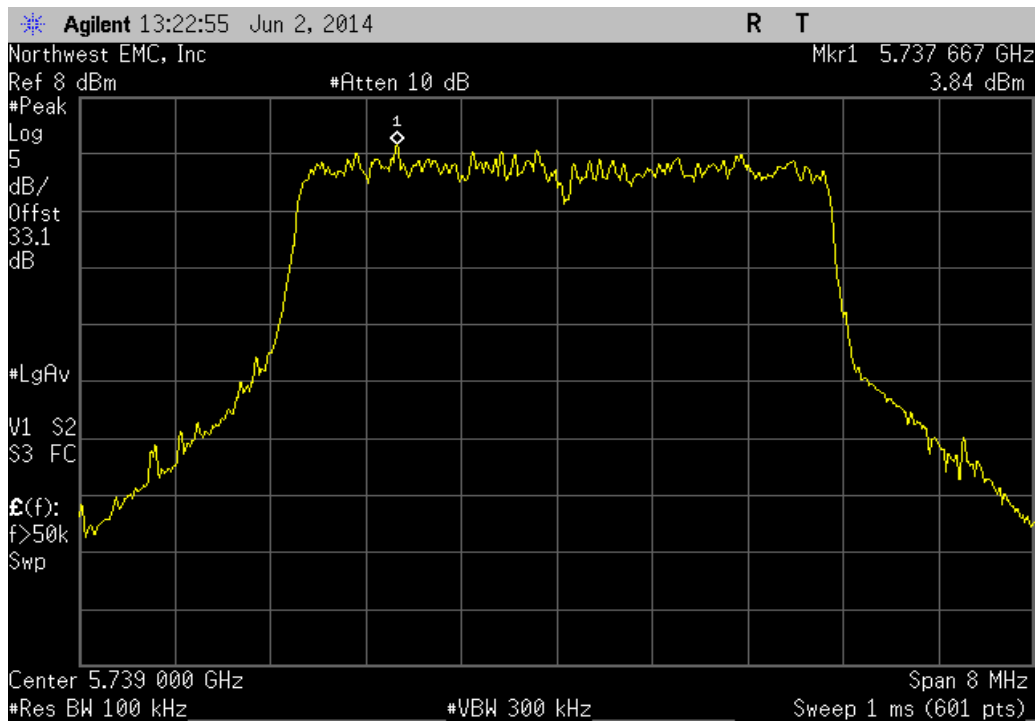
Chain 1 , 5725 MHz - 5850 MHz Band, 5MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., Mid Channel 714, 5784MHz						
	Value	dBm/100kHz	To dBm/3kHz	Value	Limit	Result
	3.397	-15.2	-11.803	8	8	Pass



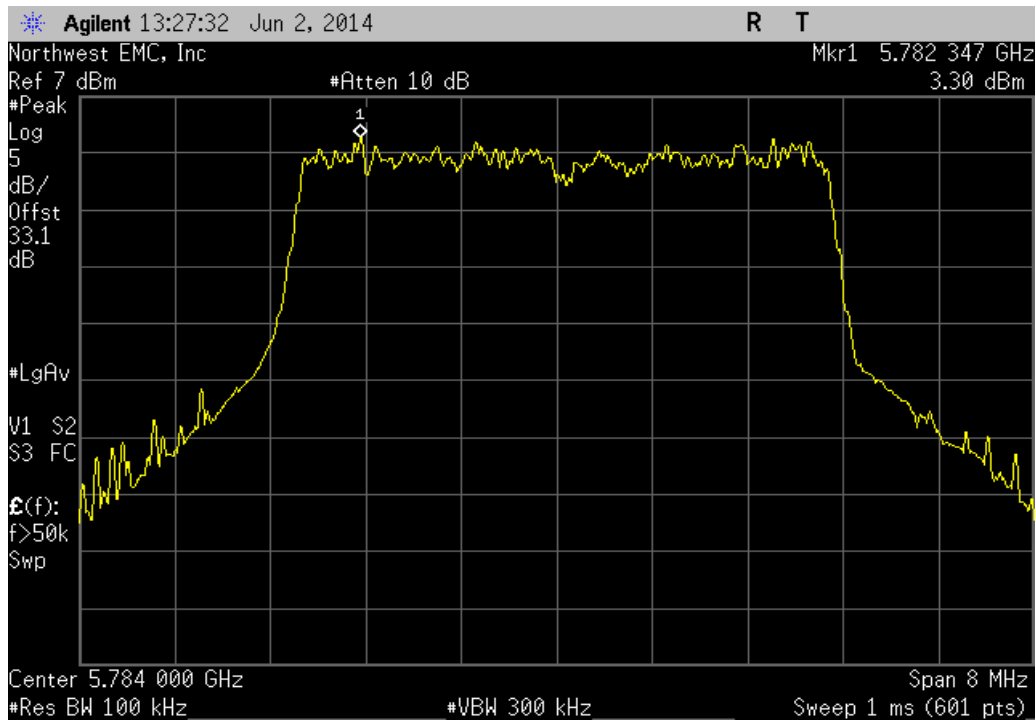
Chain 1 , 5725 MHz - 5850 MHz Band, 5MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., High Channel 759, 5829MHz						
	Value	dBm/100kHz	To dBm/3kHz	Value	Limit	Result
	dBm/100kHz			dBm/3kHz	dBm/3kHz	
	2.912		-15.2	-12.288	8	Pass



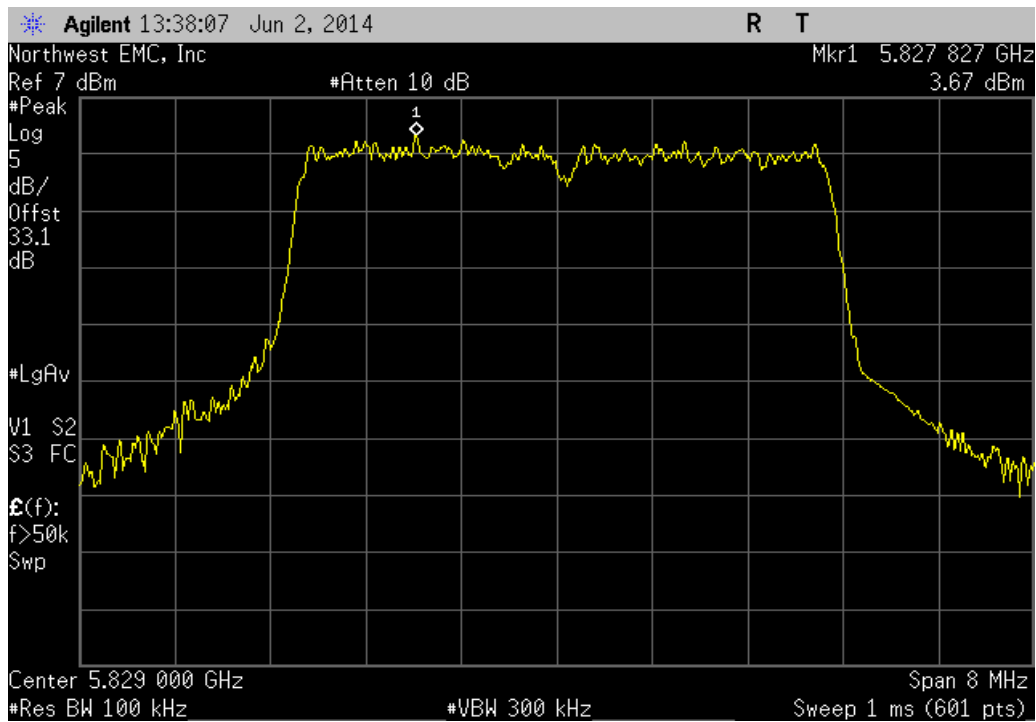
Chain 1 , 5725 MHz - 5850 MHz Band, 5MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., Low Channel 669, 5739MHz						
	Value	dBm/100kHz	To dBm/3kHz	Value	Limit	Result
	dBm/100kHz			dBm/3kHz	dBm/3kHz	
	3.841		-15.2	-11.359	8	Pass



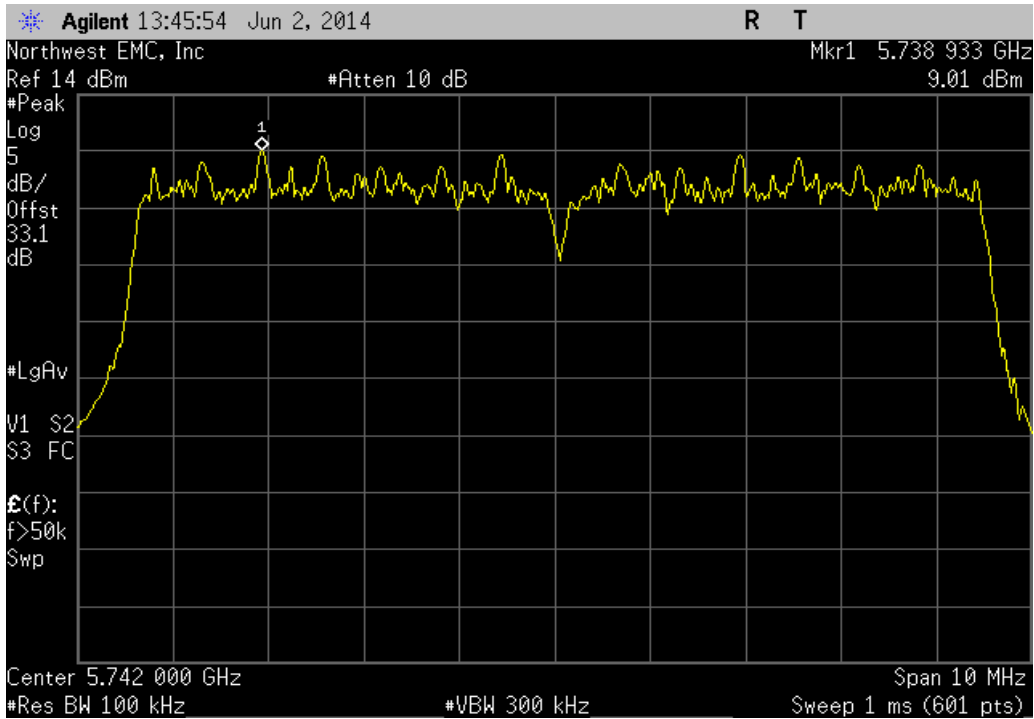
Chain 1 , 5725 MHz - 5850 MHz Band, 5MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., Mid Channel 714, 5784MHz						
	Value	dBm/100kHz	Value	Limit		
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	Result	
	3.304	-15.2	-11.896	8	Pass	



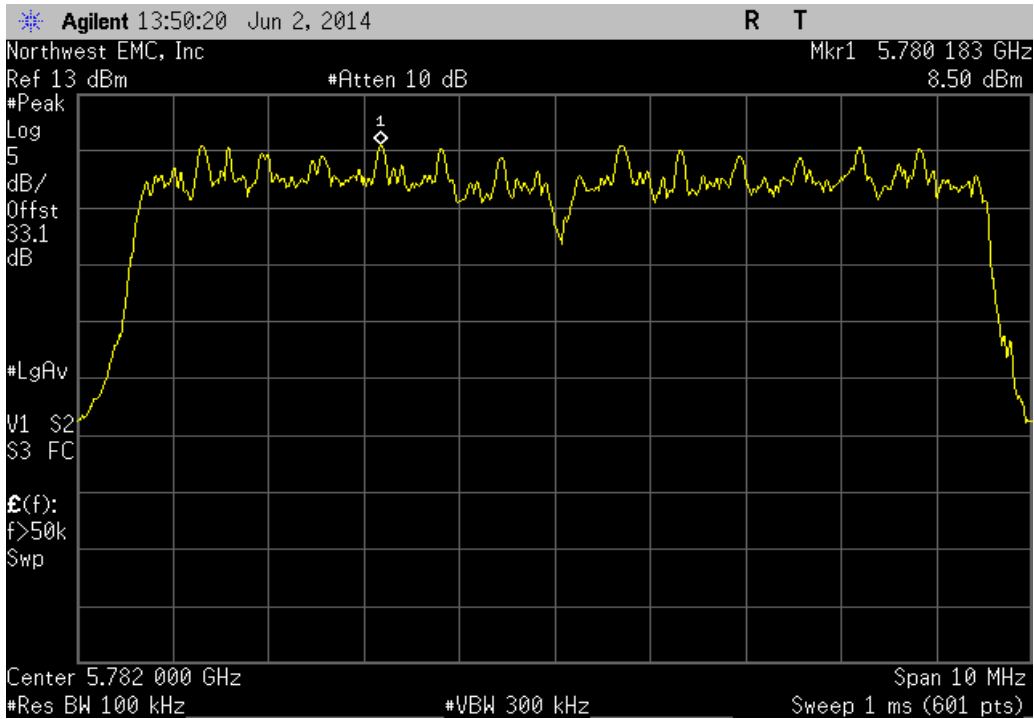
Chain 1 , 5725 MHz - 5850 MHz Band, 5MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., High Channel 759, 5829MHz						
	Value	dBm/100kHz	Value	Limit		
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	Result	
	3.668	-15.2	-11.532	8	Pass	



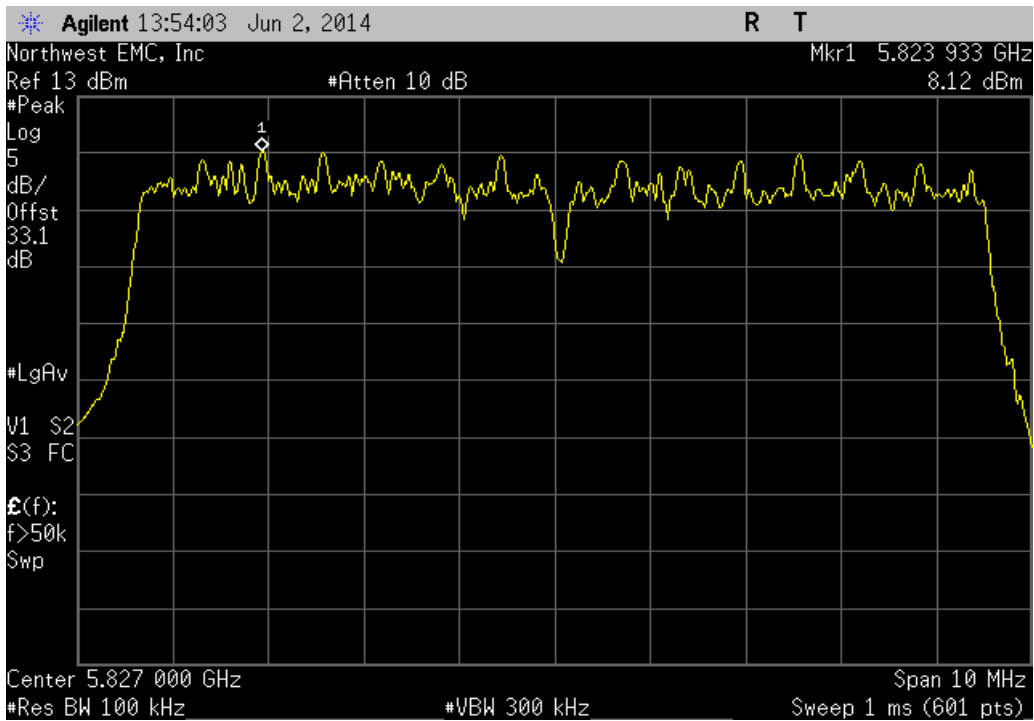
Chain 1 , 5725 MHz - 5850 MHz Band, 10MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., Low Channel 672, 5742MHz						
	Value	dBm/100kHz	Value	Limit		
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	Result	
	9.005	-15.2	-6.195	8	Pass	



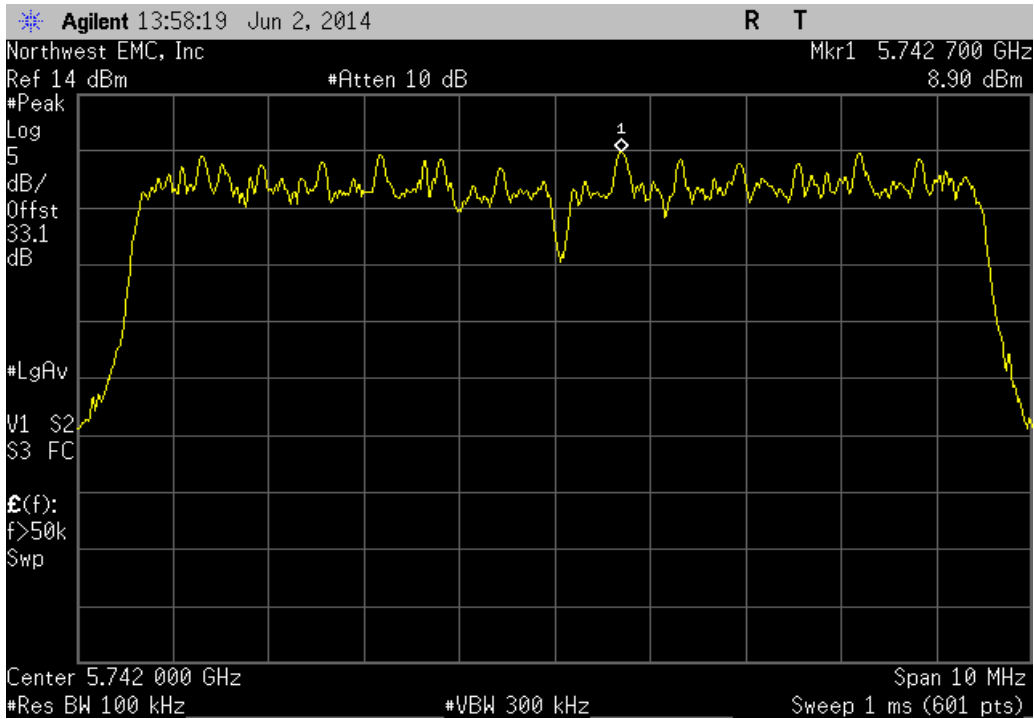
Chain 1 , 5725 MHz - 5850 MHz Band, 10MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., Mid Channel 712, 5782MHz						
	Value	dBm/100kHz	Value	Limit		
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	Result	
	8.498	-15.2	-6.702	8	Pass	



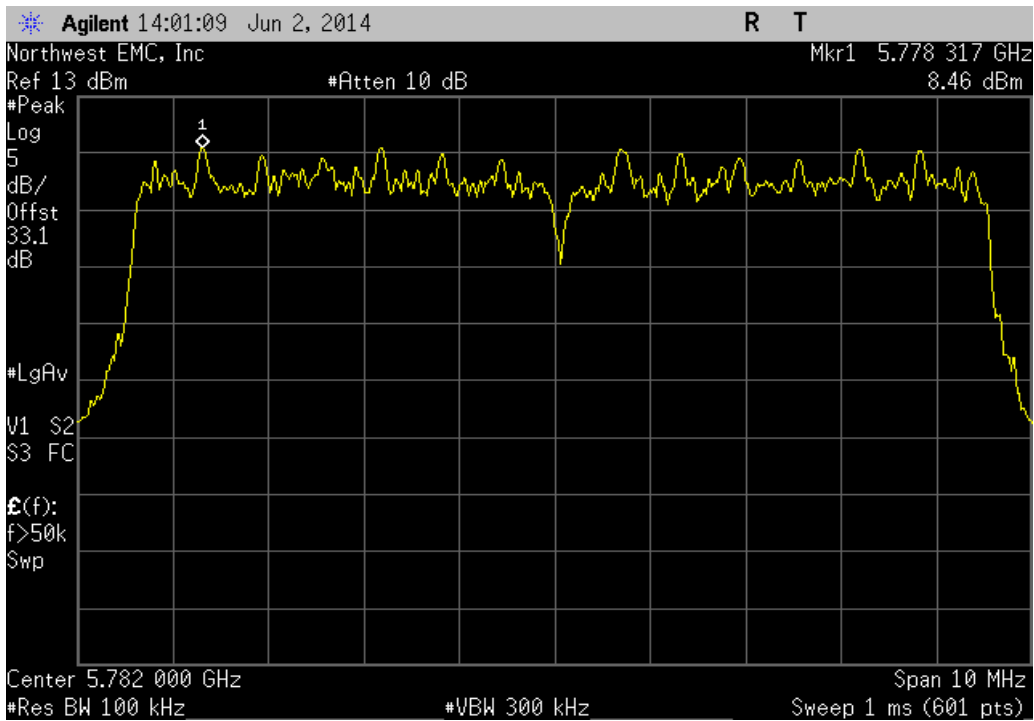
Chain 1 , 5725 MHz - 5850 MHz Band, 10MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., High Channel 757, 5827MHz					
	Value	dBm/100kHz	To dBm/3kHz	Value	Limit
		8.12	-15.2	-7.08	8
					Result
					Pass



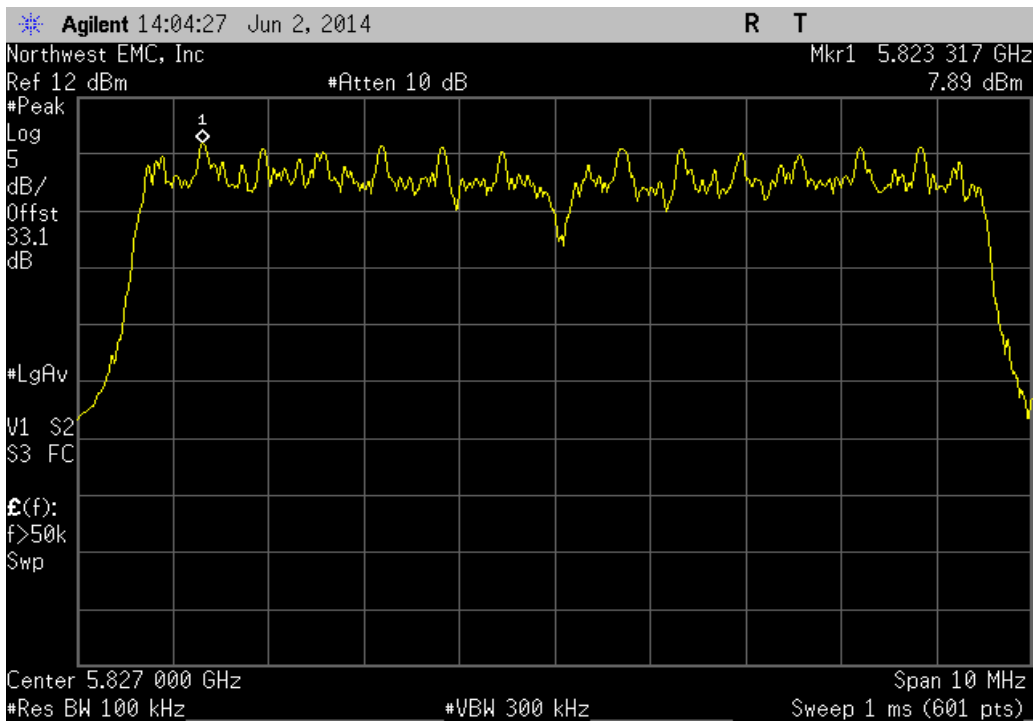
Chain 1 , 5725 MHz - 5850 MHz Band, 10MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., Low Channel 672, 5742MHz					
	Value	dBm/100kHz	To dBm/3kHz	Value	Limit
		8.902	-15.2	-6.298	8
					Result
					Pass



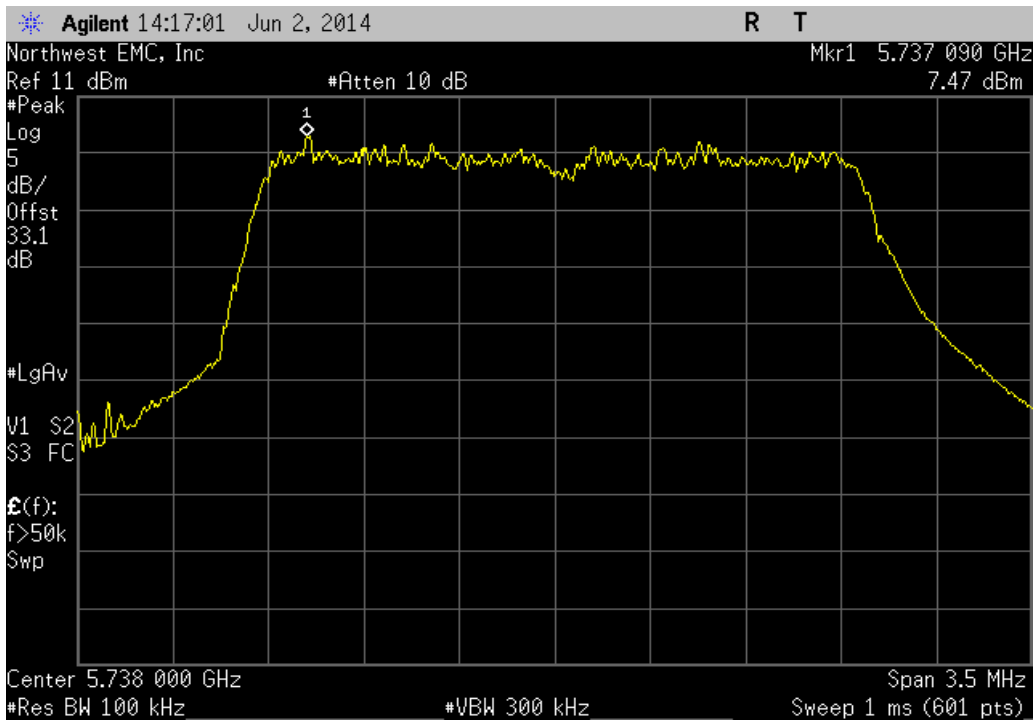
Chain 1 , 5725 MHz - 5850 MHz Band, 10MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., Mid Channel 712, 5782MHz						
	Value	dBm/100kHz	To dBm/3kHz	Value	Limit	Result
	8.461	-15.2	-6.739	8	Pass	



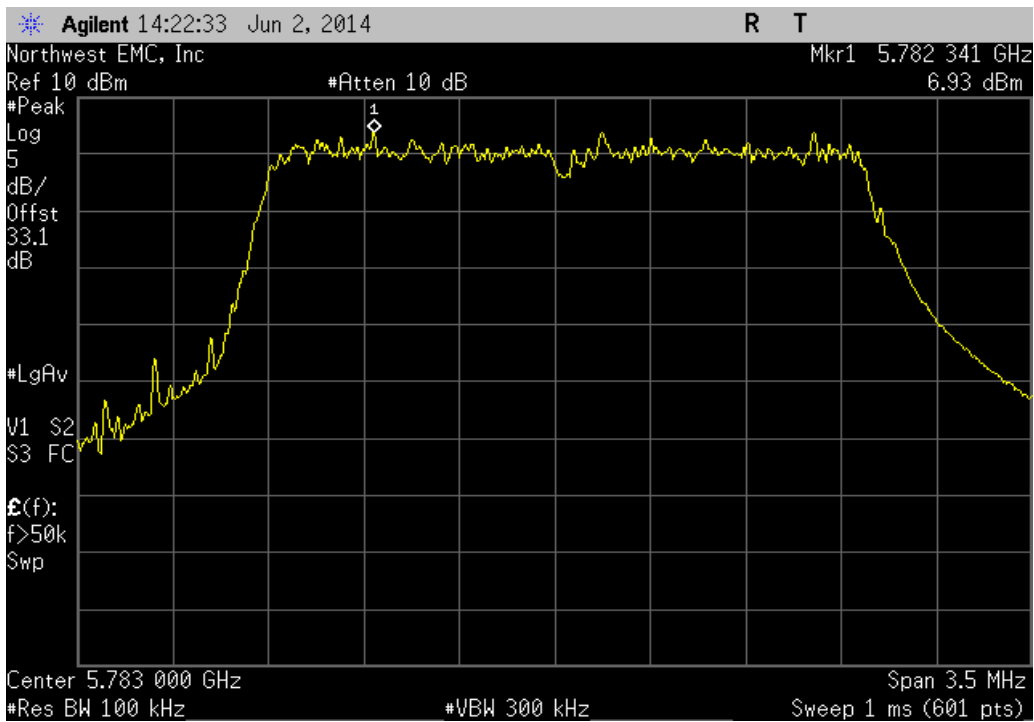
Chain 1 , 5725 MHz - 5850 MHz Band, 10MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., High Channel 757, 5827MHz						
	Value	dBm/100kHz	To dBm/3kHz	Value	Limit	Result
	7.89	-15.2	-7.31	8	Pass	



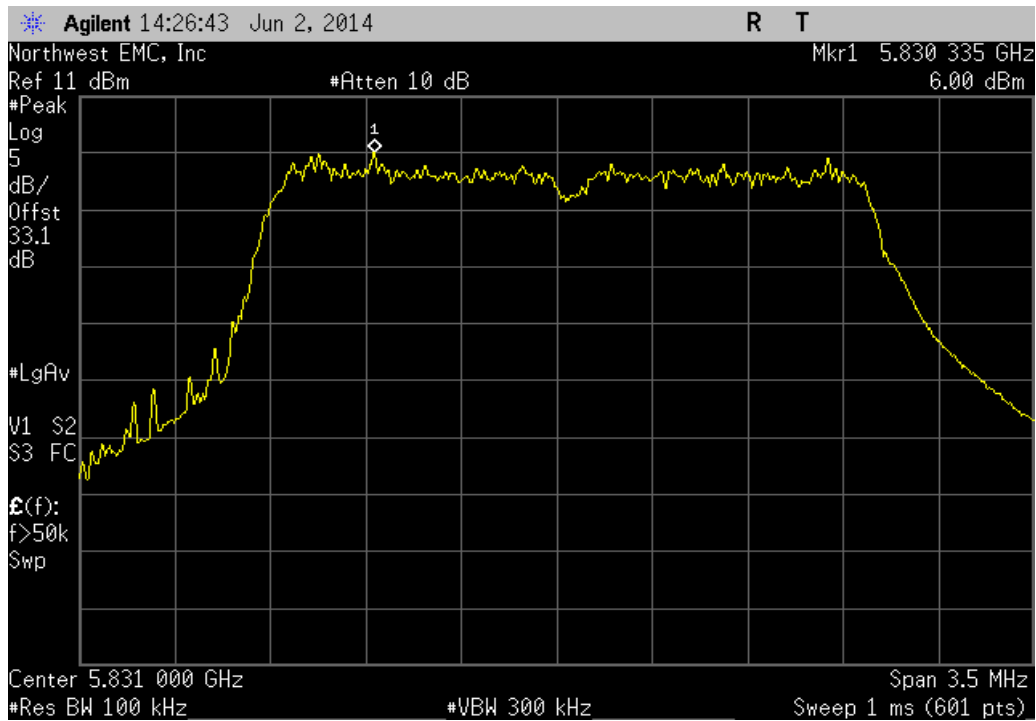
Chain 2, 5725 MHz - 5850 MHz Band, 2.5MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., Low Channel 668, 5738MHz						
	Value	dBm/100kHz	To dBm/3kHz	Value	Limit	Result
	7.465	-15.2	-7.735	8	Pass	



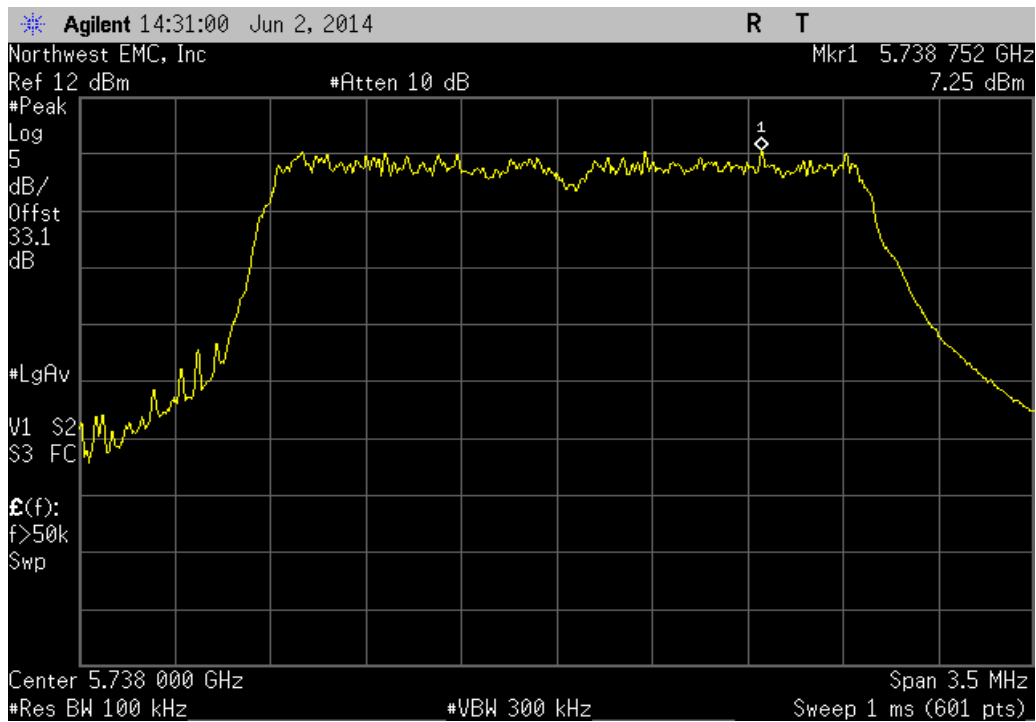
Chain 2, 5725 MHz - 5850 MHz Band, 2.5MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., Mid Channel 713, 5783MHz						
	Value	dBm/100kHz	To dBm/3kHz	Value	Limit	Result
	6.929	-15.2	-8.271	8	Pass	



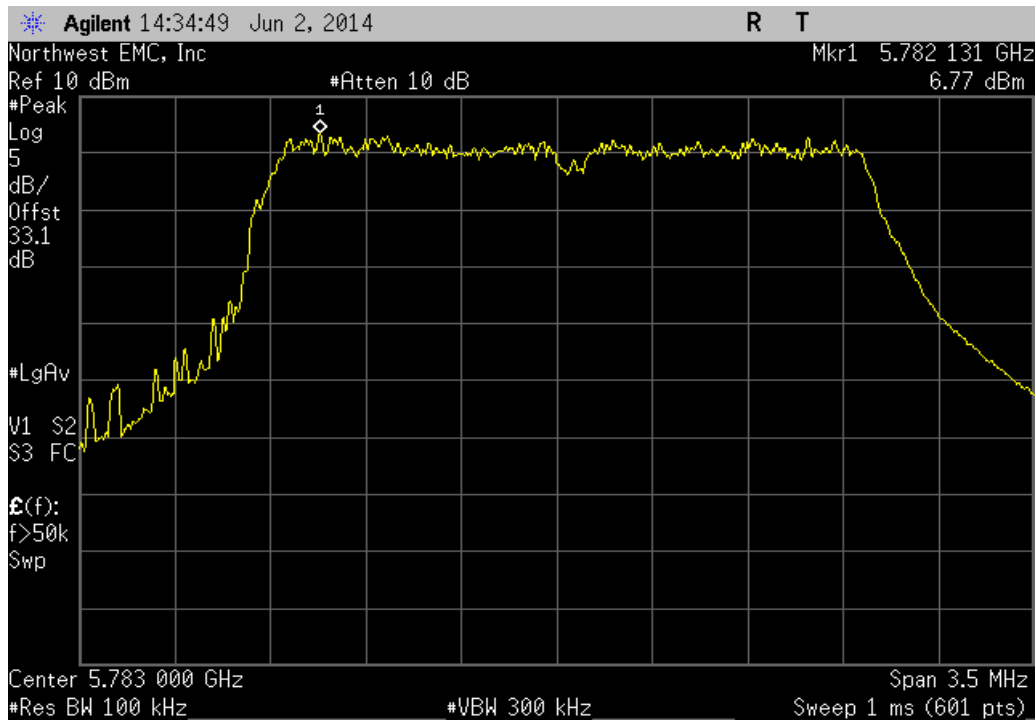
Chain 2, 5725 MHz - 5850 MHz Band, 2.5MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., High Channel 761, 5831MHz						
	Value	dBm/100kHz	To dBm/3kHz	Value	Limit	Result
	6.004	-15.2	-9.196	8	8	Pass



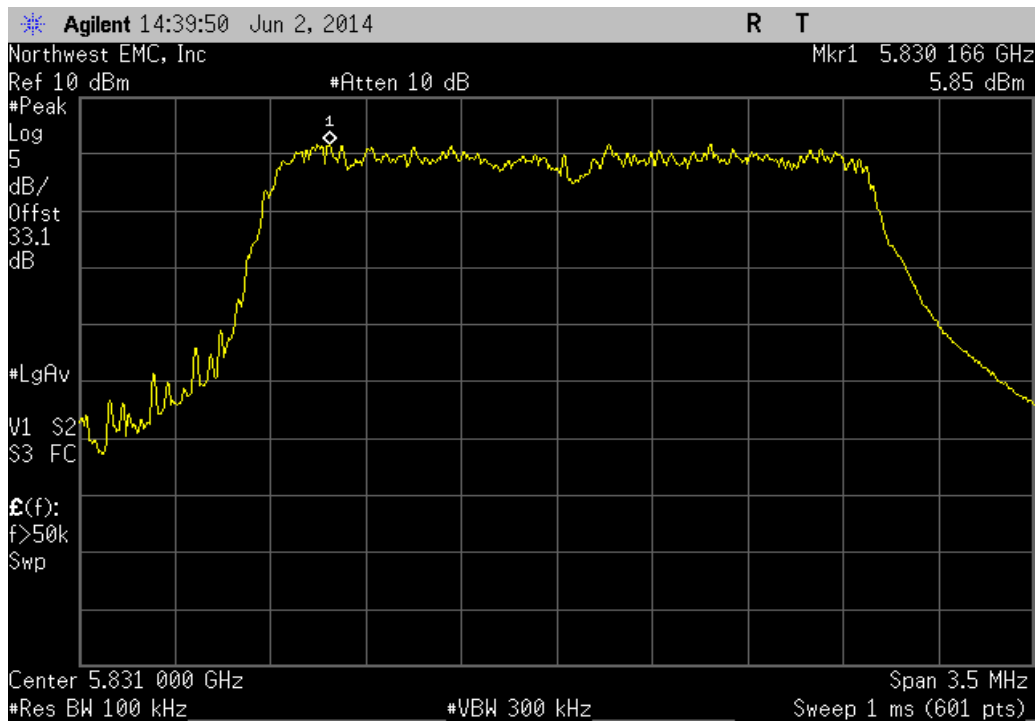
Chain 2, 5725 MHz - 5850 MHz Band, 2.5MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., Low Channel 668, 5738MHz						
	Value	dBm/100kHz	To dBm/3kHz	Value	Limit	Result
	7.251	-15.2	-7.949	8	8	Pass



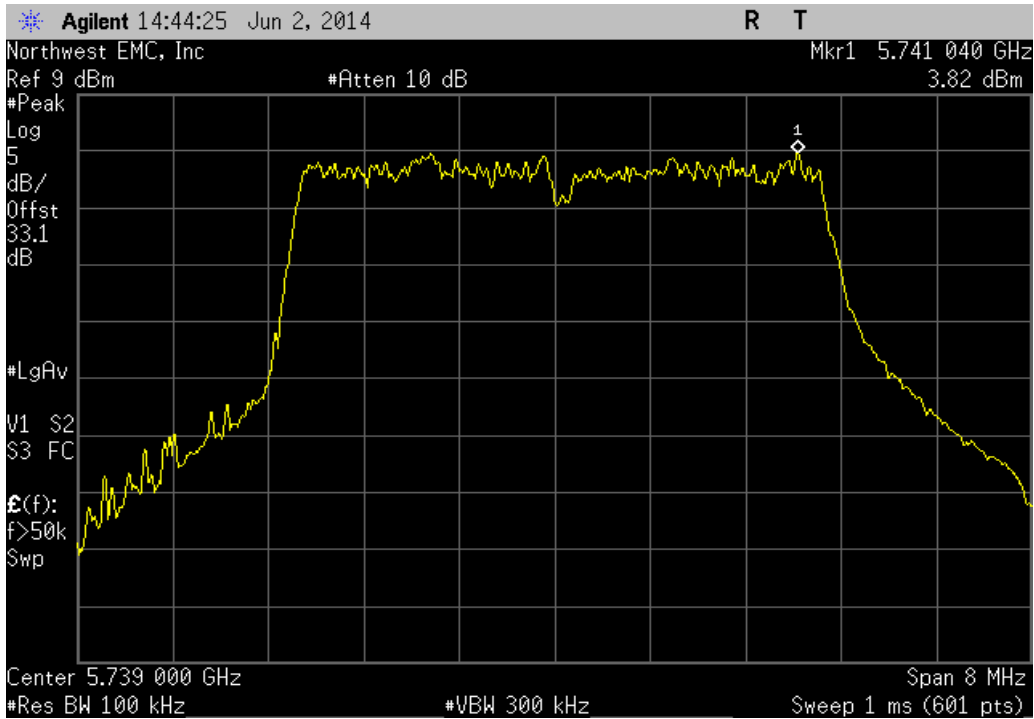
Chain 2, 5725 MHz - 5850 MHz Band, 2.5MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., Mid Channel 713, 5783MHz						
	Value	dBm/100kHz	To dBm/3kHz	Value	Limit	Result
	6.767	-15.2	-8.433	8	Pass	



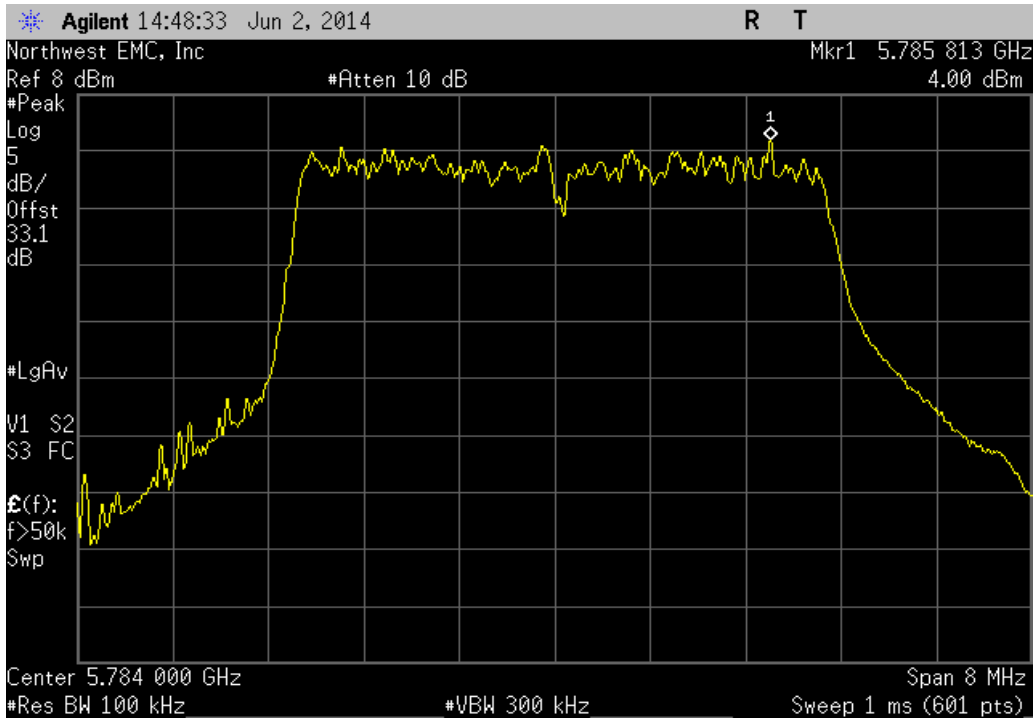
Chain 2, 5725 MHz - 5850 MHz Band, 2.5MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., High Channel 761, 5831MHz						
	Value	dBm/100kHz	To dBm/3kHz	Value	Limit	Result
	5.851	-15.2	-9.349	8	Pass	



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

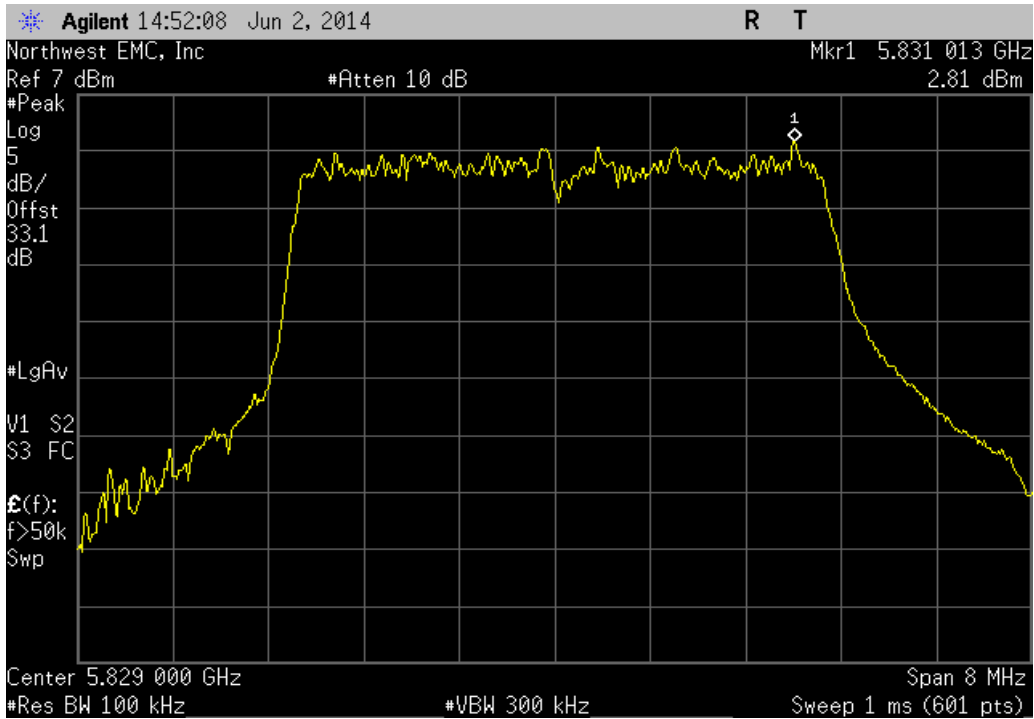


Chain 2, 5725 MHz - 5850 MHz Band, 5MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., Mid Channel 714, 5784MHz						
	Value	dBm/100kHz	To dBm/3kHz	Value	Limit	Result
	3.997	-15.2	-11.203	8	8	Pass



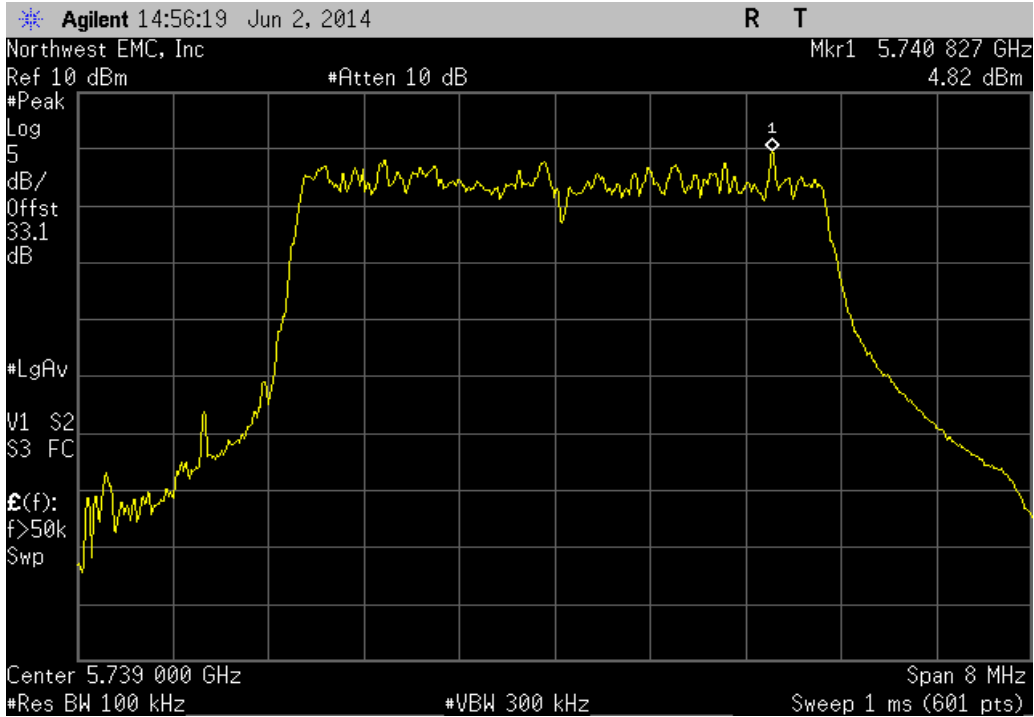
Chain 2, 5725 MHz - 5850 MHz Band, 5MHz Bandwidth, 3x3 Modulation Type, BPSK, Coding Rate, 1/2., High Channel 759, 5829MHz

	Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
	2.814	-15.2	-12.386	8	Pass

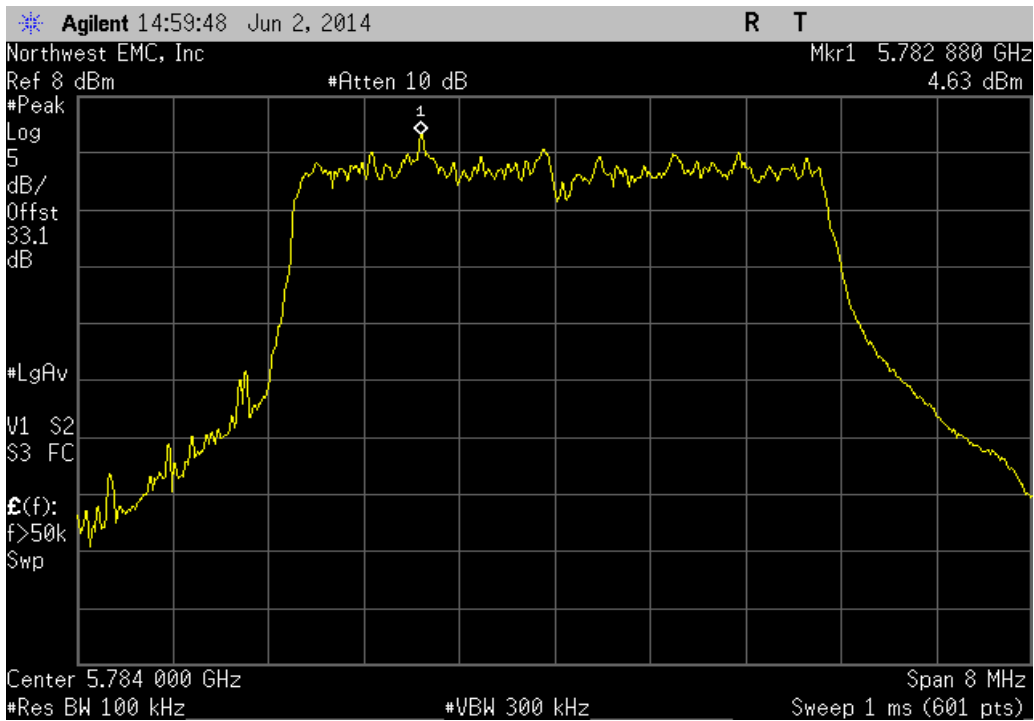


Chain 2, 5725 MHz - 5850 MHz Band, 5MHz Bandwidth, 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., Low Channel 669, 5739MHz

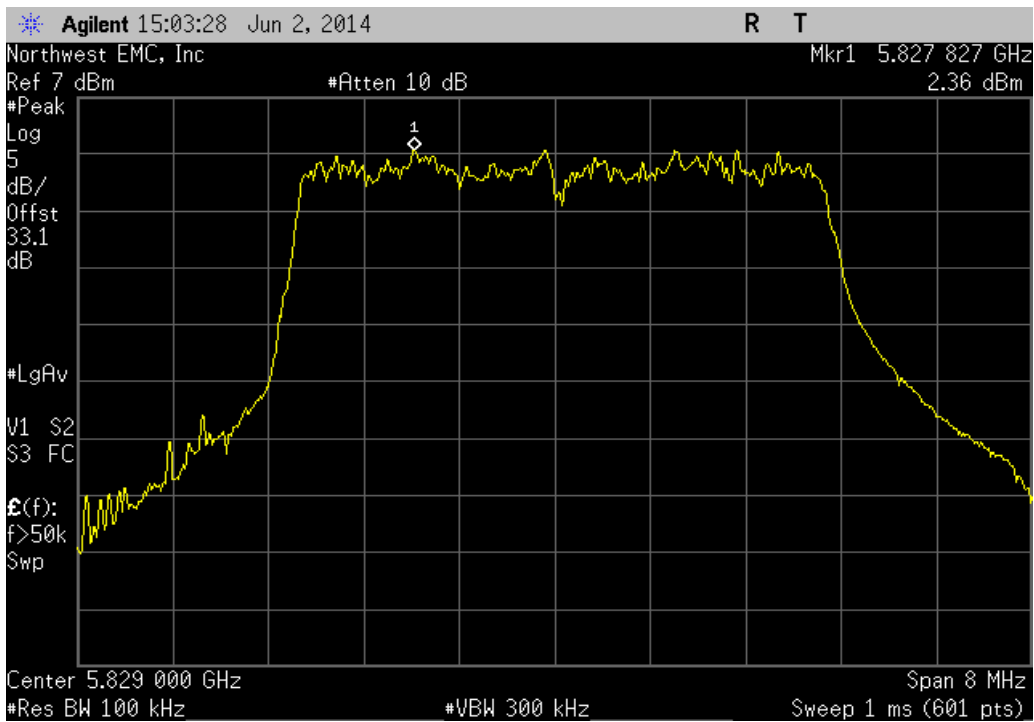
	Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Result
	4.818	-15.2	-10.382	8	Pass



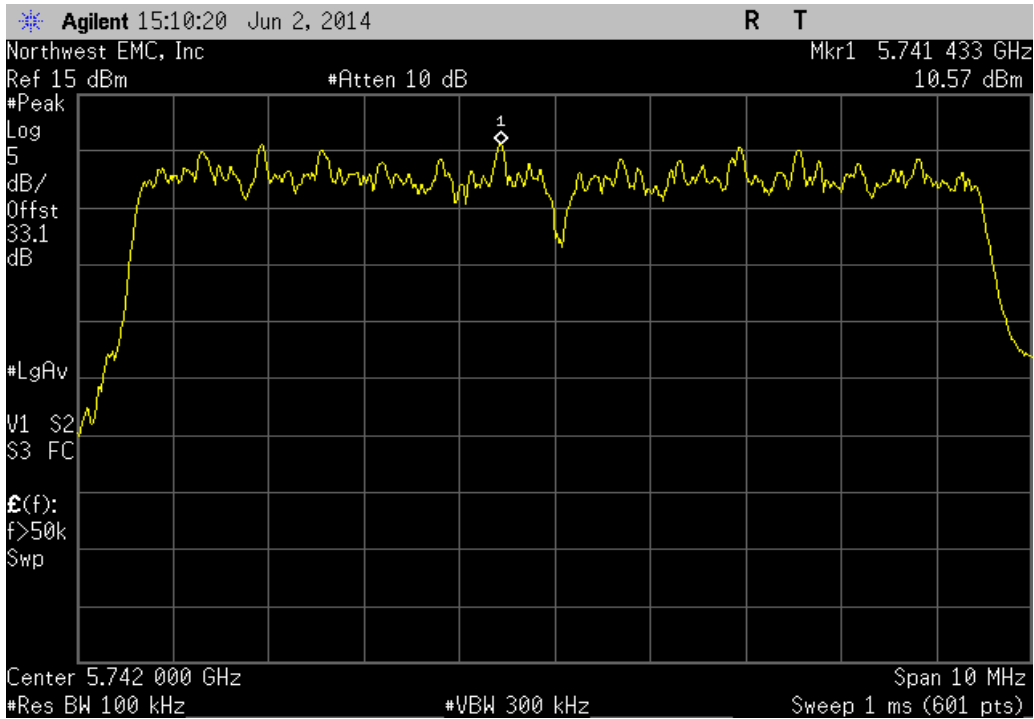
Chain 2, 5725 MHz - 5850 MHz Band, 5MHz Bandwidth, 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., Mid Channel 714, 5784MHz						
	Value	dBm/100kHz	Value	Limit		
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	Result	
	4.628	-15.2	-10.572	8	Pass	



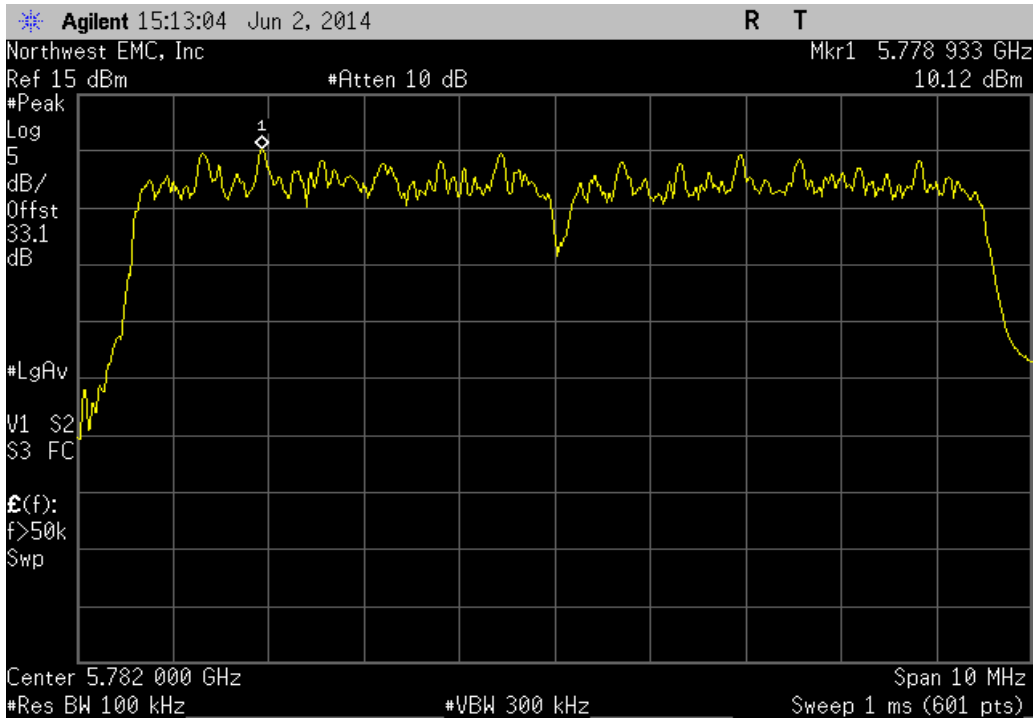
Chain 2, 5725 MHz - 5850 MHz Band, 5MHz Bandwidth, 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., High Channel 759, 5829MHz						
	Value	dBm/100kHz	Value	Limit		
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	Result	
	2.356	-15.2	-12.844	8	Pass	



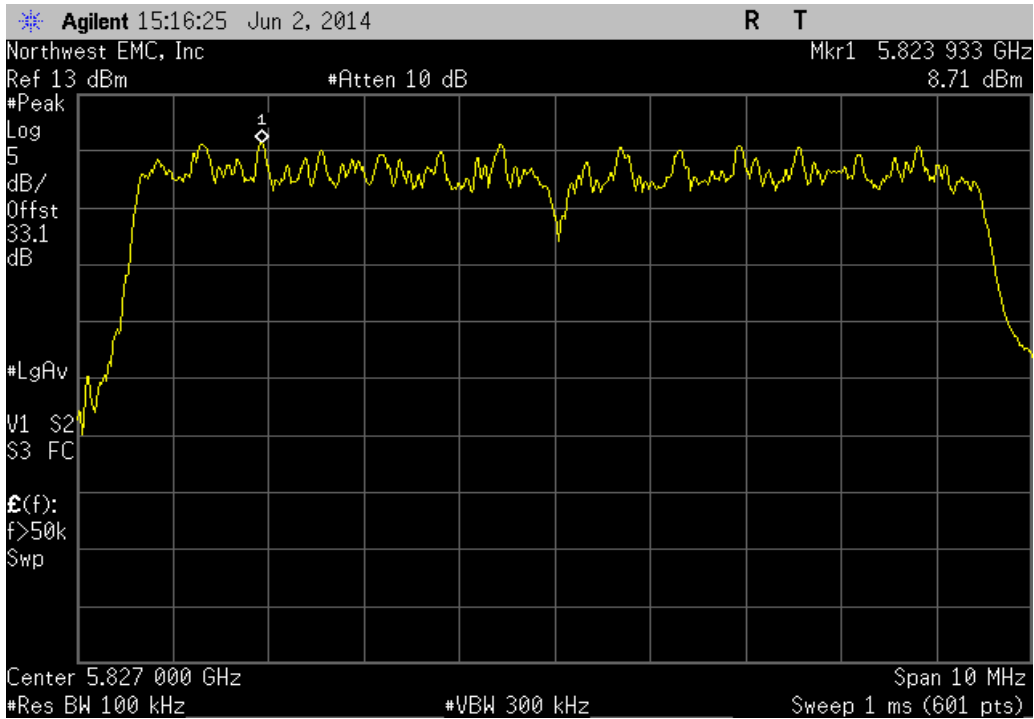
Chain 2, 5725 MHz - 5850 MHz Band, 10MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., Low Channel 672, 5742MHz						
	Value	dBm/100kHz	To dBm/3kHz	Value	Limit	Result
	10.574	-15.2	-4.626	8	Pass	



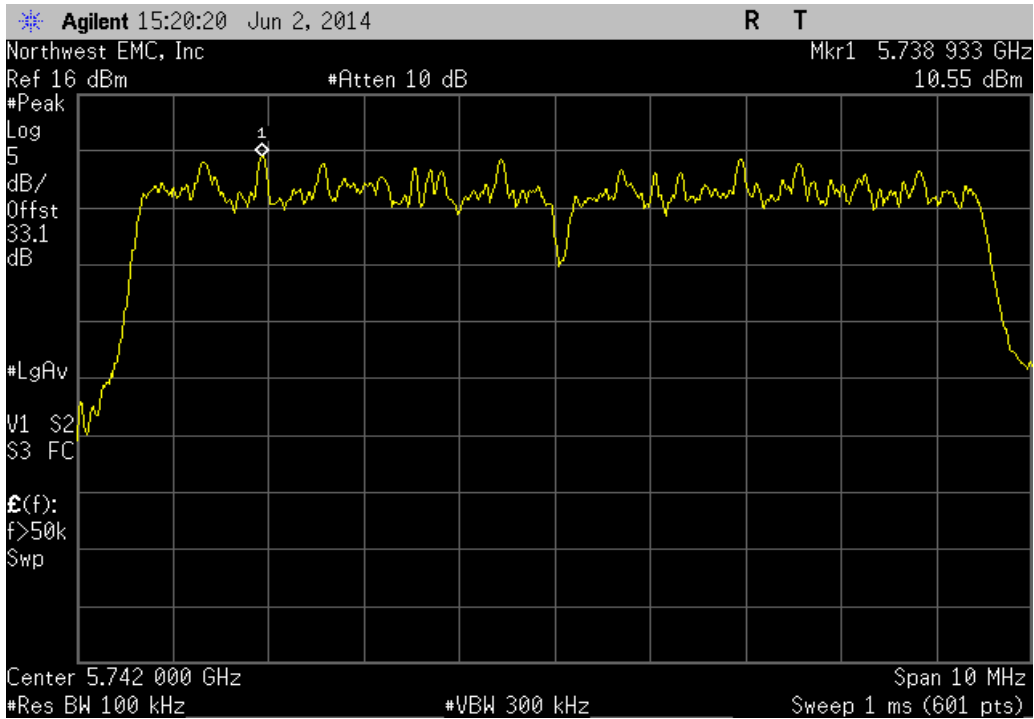
Chain 2, 5725 MHz - 5850 MHz Band, 10MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., Mid Channel 712, 5782MHz						
	Value	dBm/100kHz	To dBm/3kHz	Value	Limit	Result
	10.117	-15.2	-5.083	8	Pass	



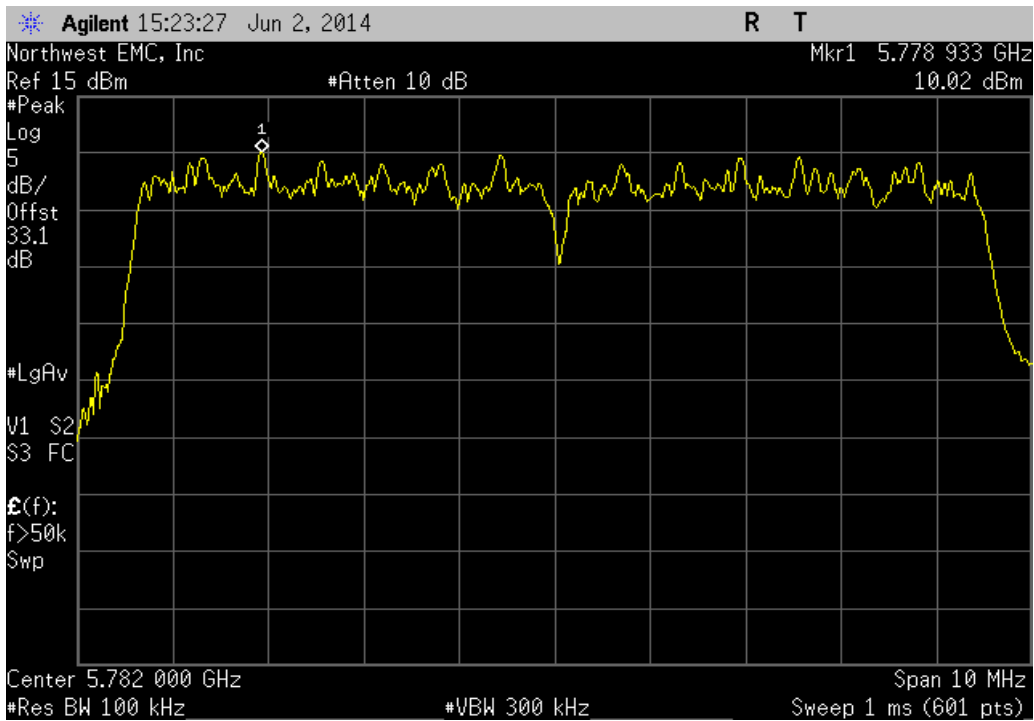
Chain 2, 5725 MHz - 5850 MHz Band, 10MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., High Channel 757, 5827MHz					
	Value	dBm/100kHz	To dBm/3kHz	Value	Limit
		8.706	-15.2	-6.494	8
					Pass



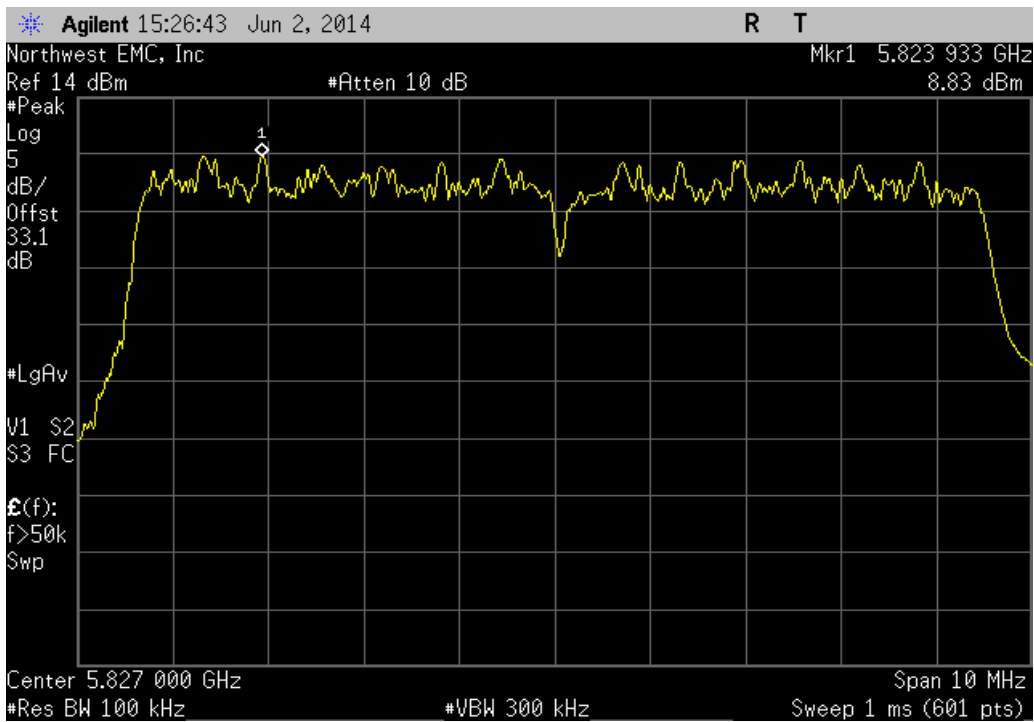
Chain 2, 5725 MHz - 5850 MHz Band, 10MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., Low Channel 672, 5742MHz					
	Value	dBm/100kHz	To dBm/3kHz	Value	Limit
		10.551	-15.2	-4.649	8
					Pass



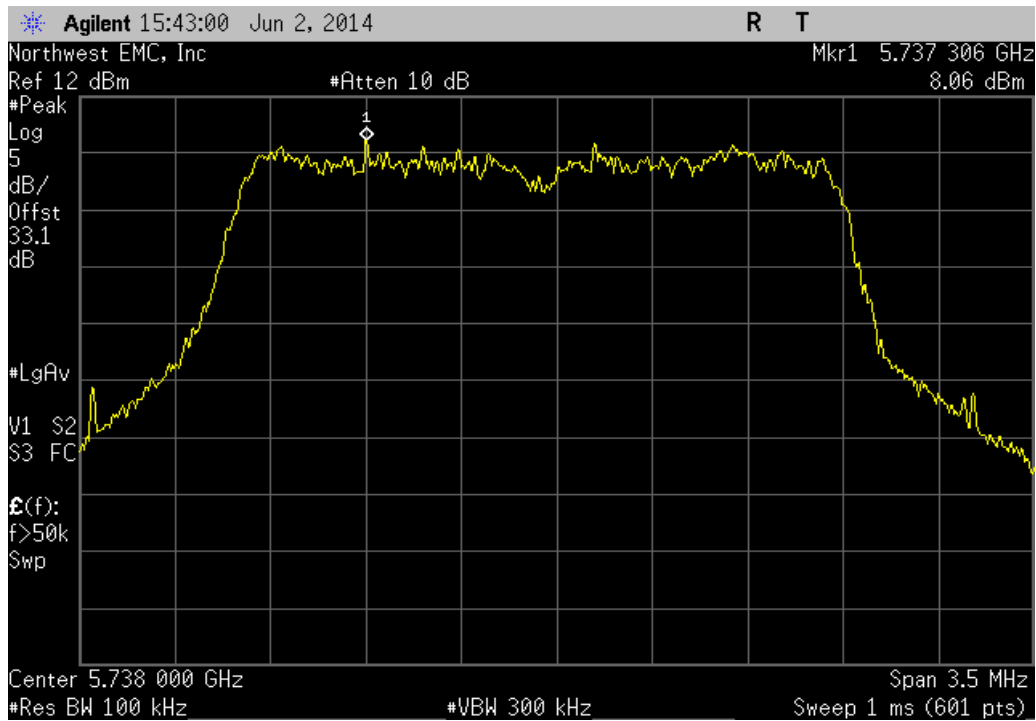
Chain 2, 5725 MHz - 5850 MHz Band, 10MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., Mid Channel 712, 5782MHz						
	Value	dBm/100kHz	Value	Limit		
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	Result	
	10.023	-15.2	-5.177	8	Pass	



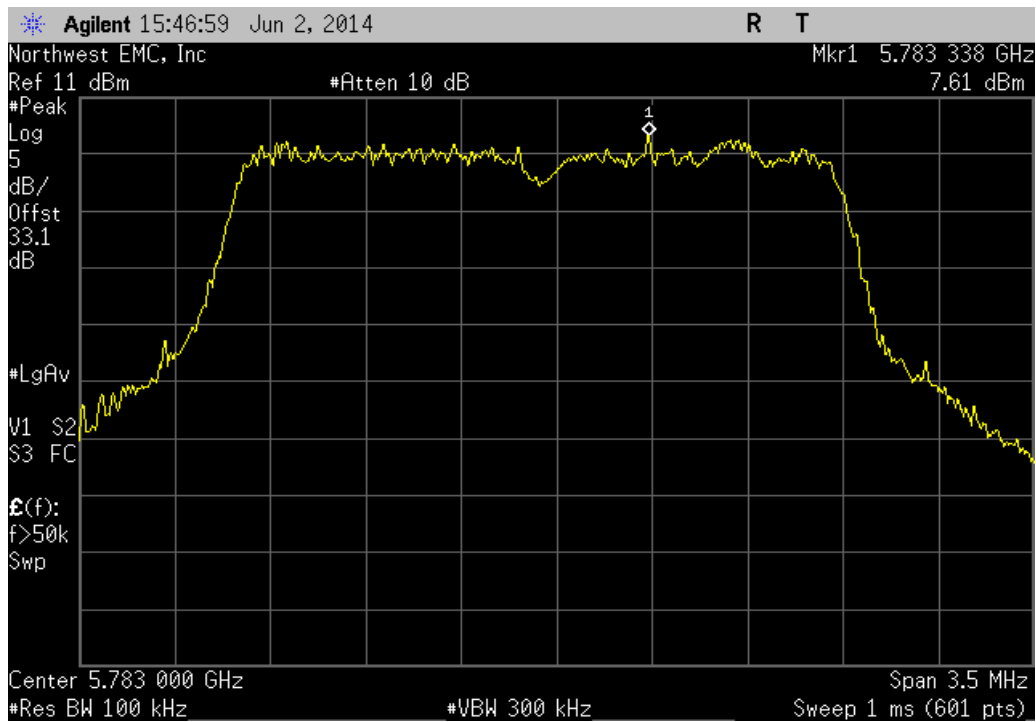
Chain 2, 5725 MHz - 5850 MHz Band, 10MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., High Channel 757, 5827MHz						
	Value	dBm/100kHz	Value	Limit		
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	Result	
	8.826	-15.2	-6.374	8	Pass	



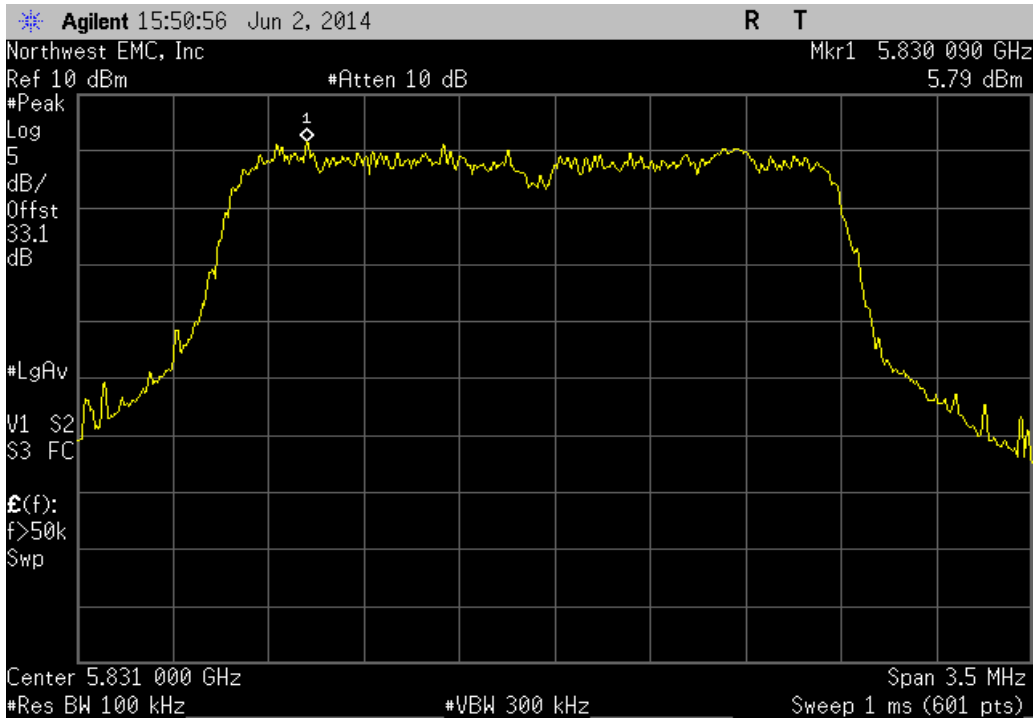
Chain 3, 5725 MHz - 5850 MHz Band, 2.5MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., Low Channel 668, 5738MHz					
	Value	dBm/100kHz	To dBm/3kHz	Value	Limit
	8.064	-15.2	-7.136	8	Pass



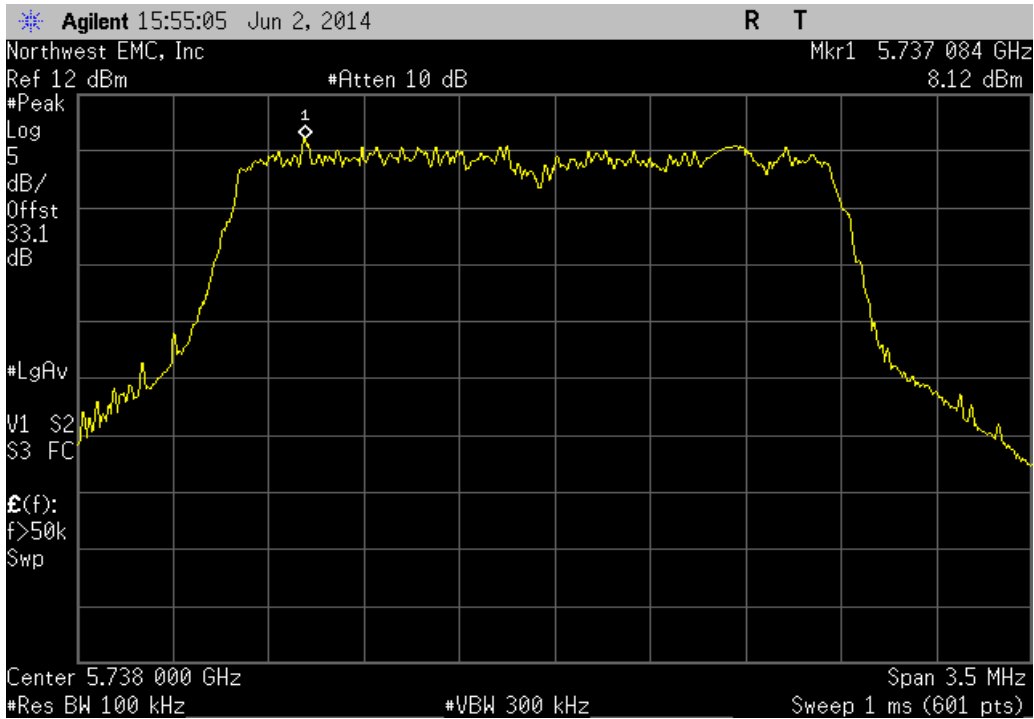
Chain 3, 5725 MHz - 5850 MHz Band, 2.5MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., Mid Channel 713, 5783MHz					
	Value	dBm/100kHz	To dBm/3kHz	Value	Limit
	7.611	-15.2	-7.589	8	Pass



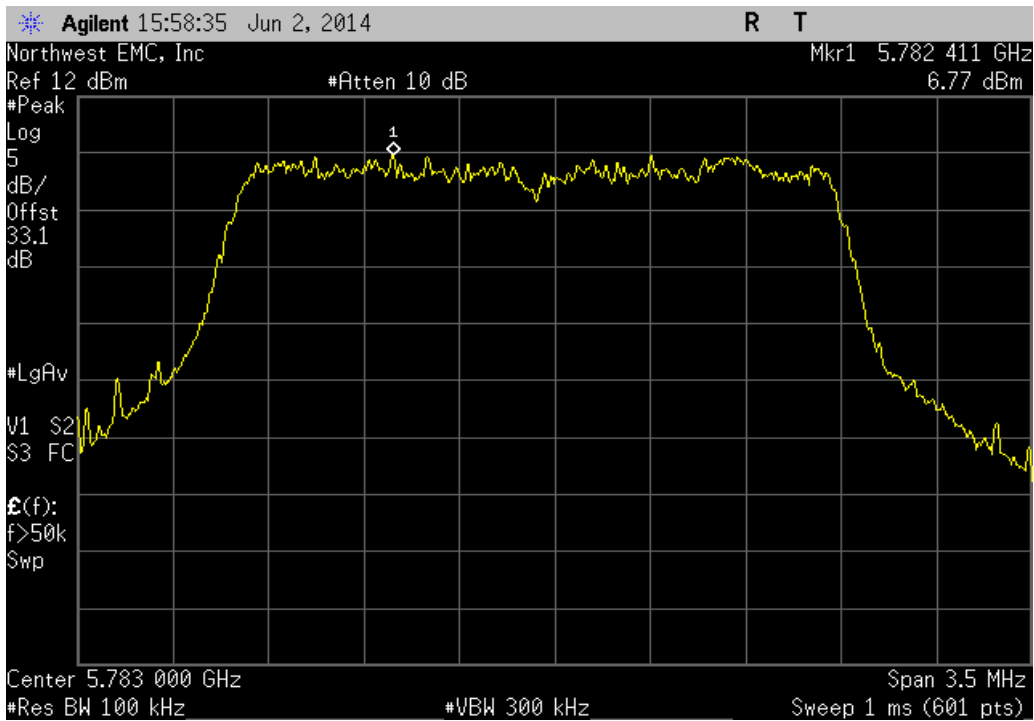
Chain 3, 5725 MHz - 5850 MHz Band, 2.5MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., High Channel 761, 5831MHz						
	Value	dBm/100kHz	To dBm/3kHz	Value	Limit	Result
	5.788	-15.2	-9.412	8	8	Pass



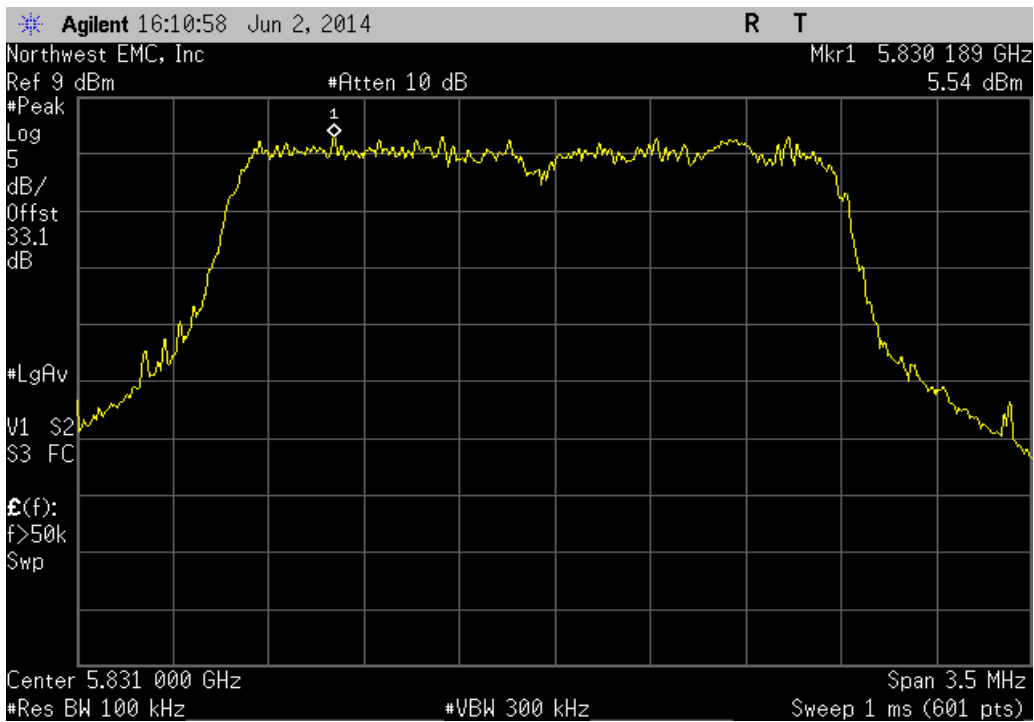
Chain 3, 5725 MHz - 5850 MHz Band, 2.5MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., Low Channel 668, 5738MHz						
	Value	dBm/100kHz	To dBm/3kHz	Value	Limit	Result
	8.116	-15.2	-7.084	8	8	Pass



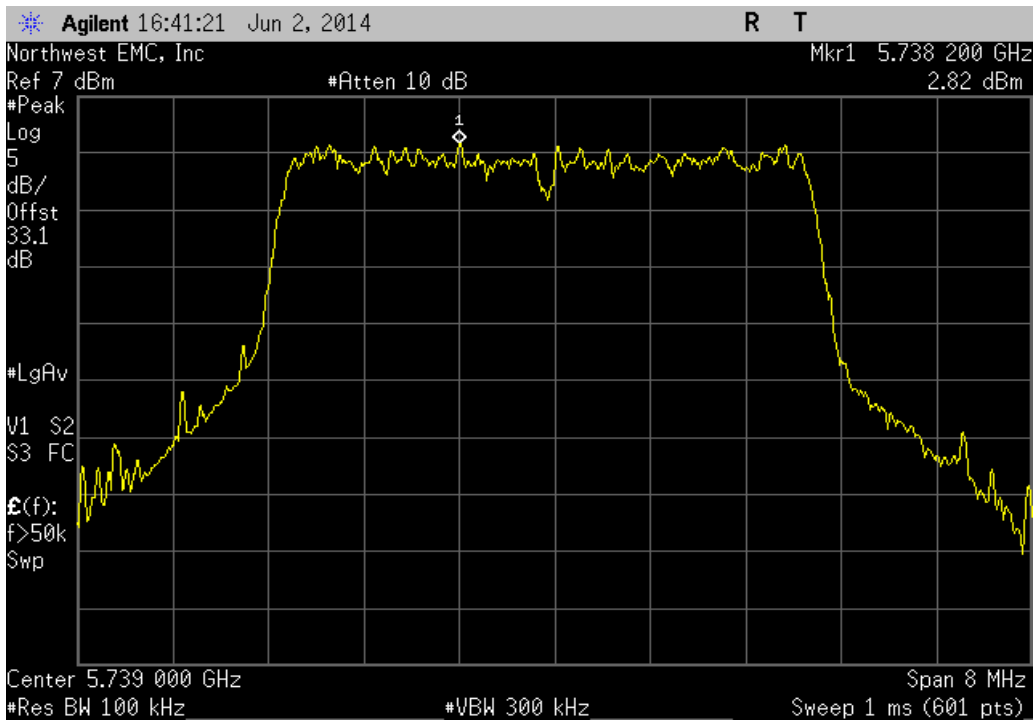
Chain 3, 5725 MHz - 5850 MHz Band, 2.5MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., Mid Channel 713, 5783MHz						
	Value	dBm/100kHz	Value	Limit		
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	Result	
	6.766	-15.2	-8.434	8	Pass	



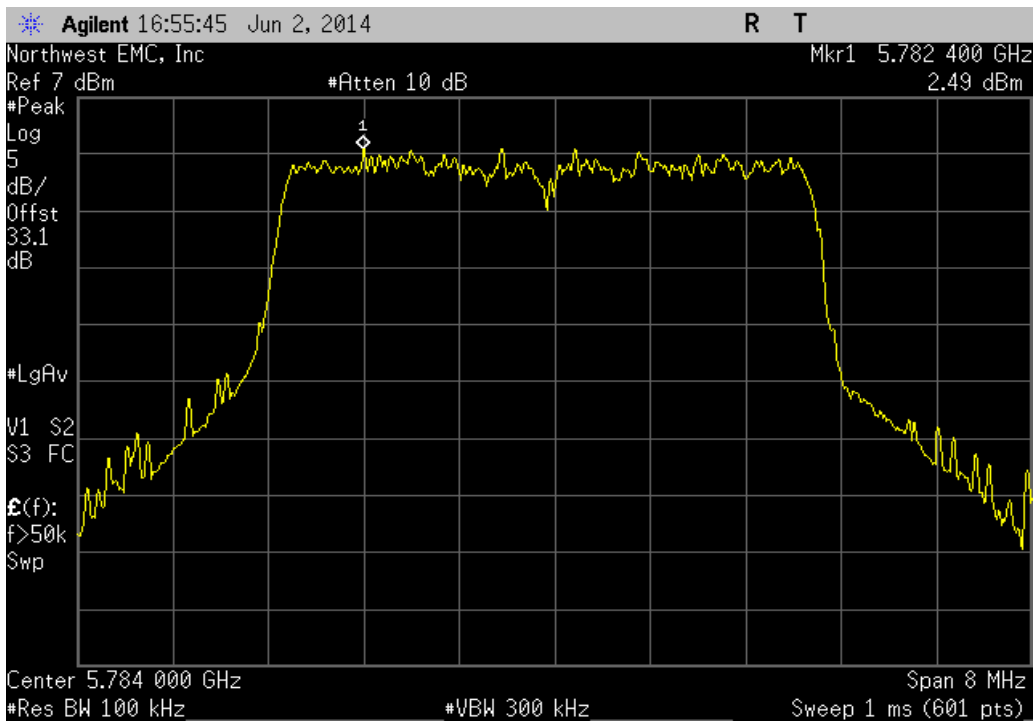
Chain 3, 5725 MHz - 5850 MHz Band, 2.5MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., High Channel 761, 5831MHz						
	Value	dBm/100kHz	Value	Limit		
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	Result	
	5.537	-15.2	-9.663	8	Pass	



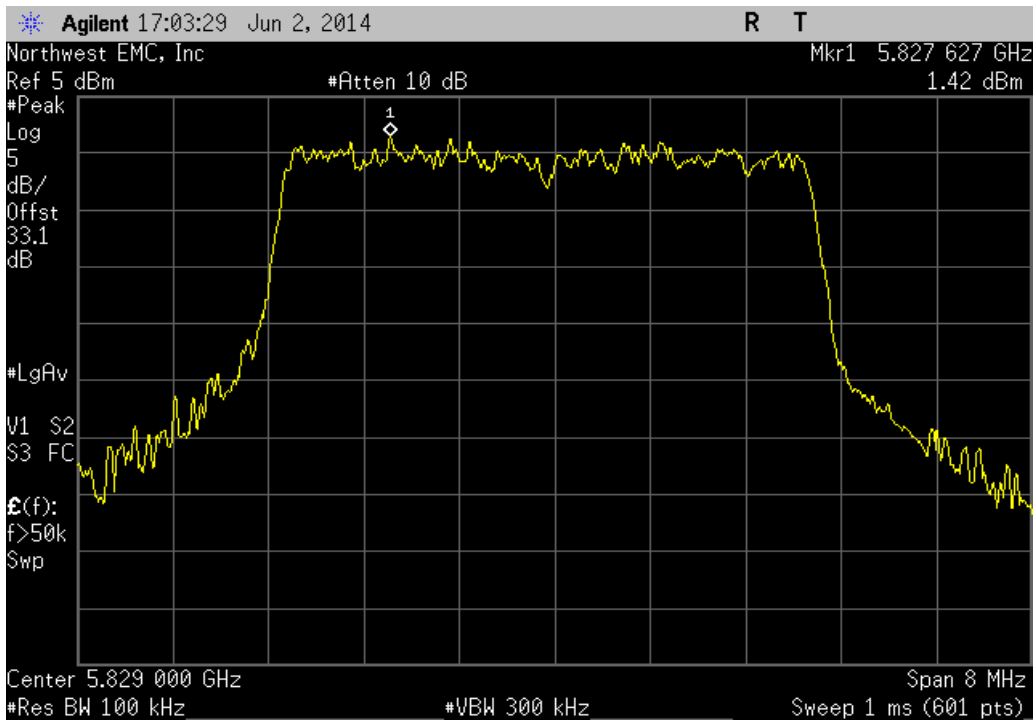
Chain 3, 5725 MHz - 5850 MHz Band, 5MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., Low Channel 669, 5739MHz						
	Value	dBm/100kHz	To dBm/3kHz	Value	Limit	Result
	dBm/100kHz			dBm/3kHz	dBm/3kHz	
	2.824		-15.2	-12.376	8	Pass



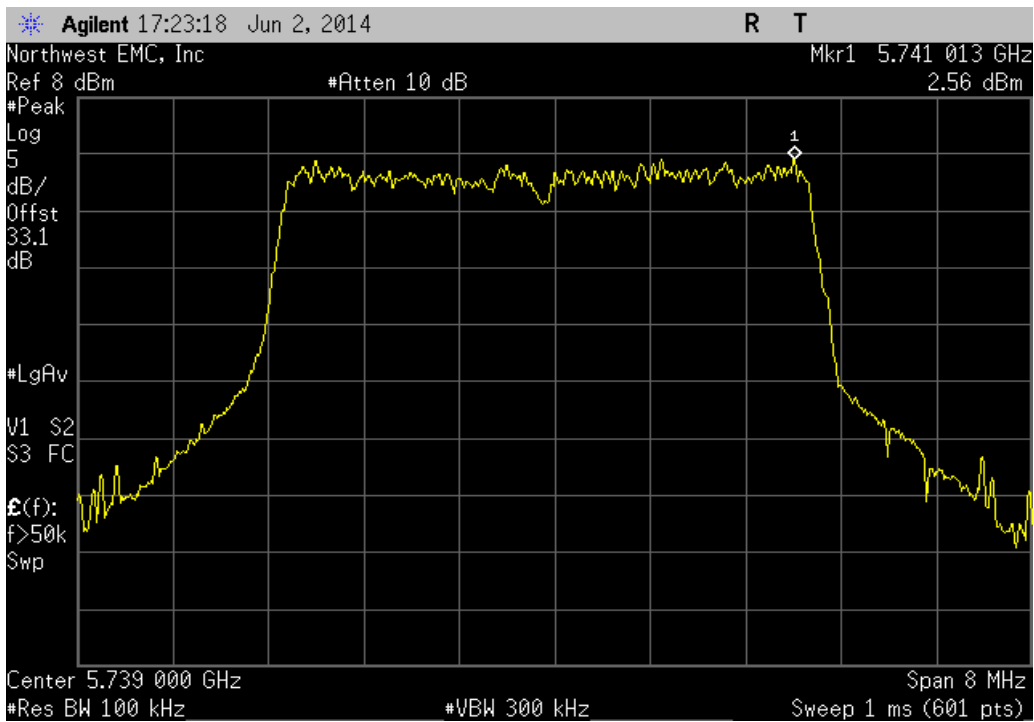
Chain 3, 5725 MHz - 5850 MHz Band, 5MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., Mid Channel 714, 5784MHz						
	Value	dBm/100kHz	To dBm/3kHz	Value	Limit	Result
	dBm/100kHz			dBm/3kHz	dBm/3kHz	
	2.492		-15.2	-12.708	8	Pass



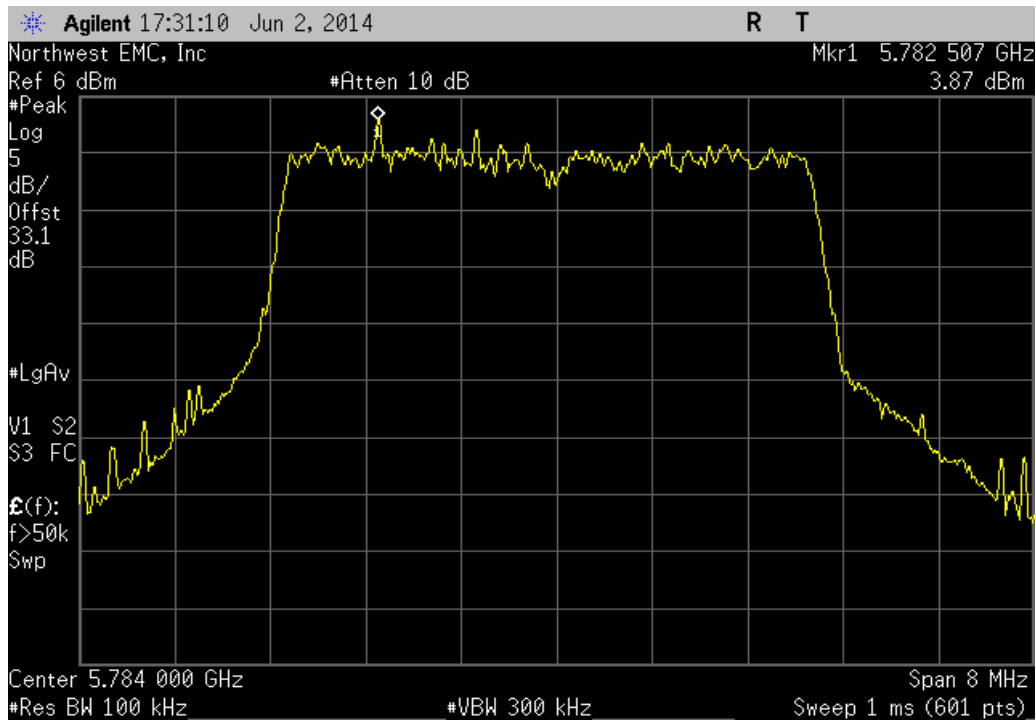
Chain 3, 5725 MHz - 5850 MHz Band, 5MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., High Channel 759, 5829MHz						
	Value	dBm/100kHz	Value	Limit		
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	Result	
	1.423	-15.2	-13.777	8	Pass	



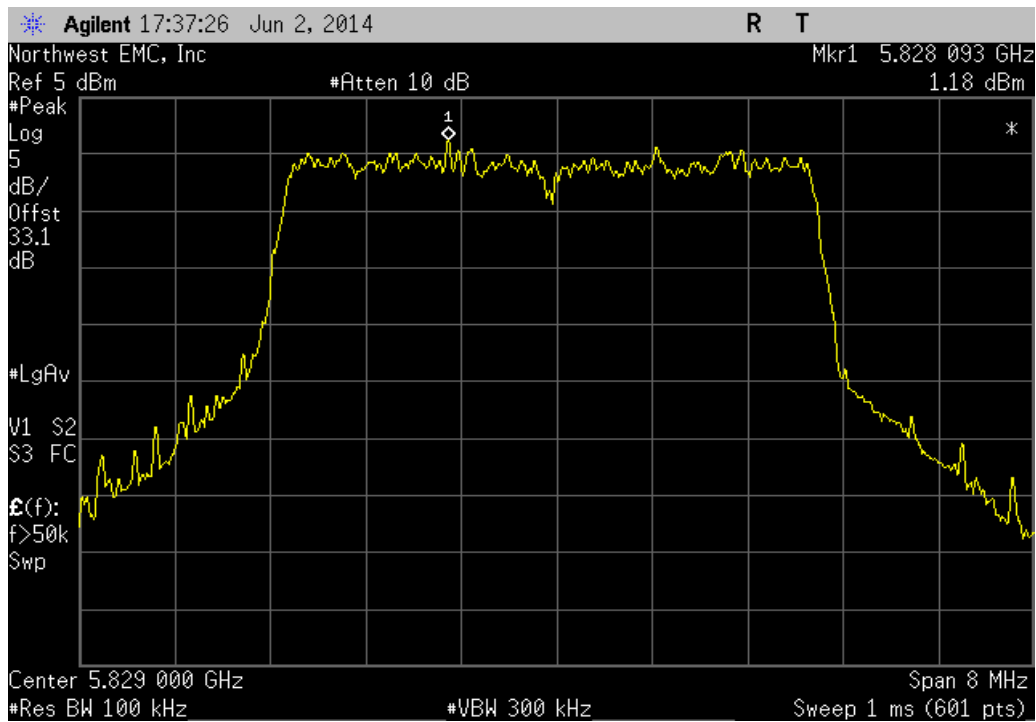
Chain 3, 5725 MHz - 5850 MHz Band, 5MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., Low Channel 669, 5739MHz						
	Value	dBm/100kHz	Value	Limit		
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	Result	
	2.561	-15.2	-12.639	8	Pass	



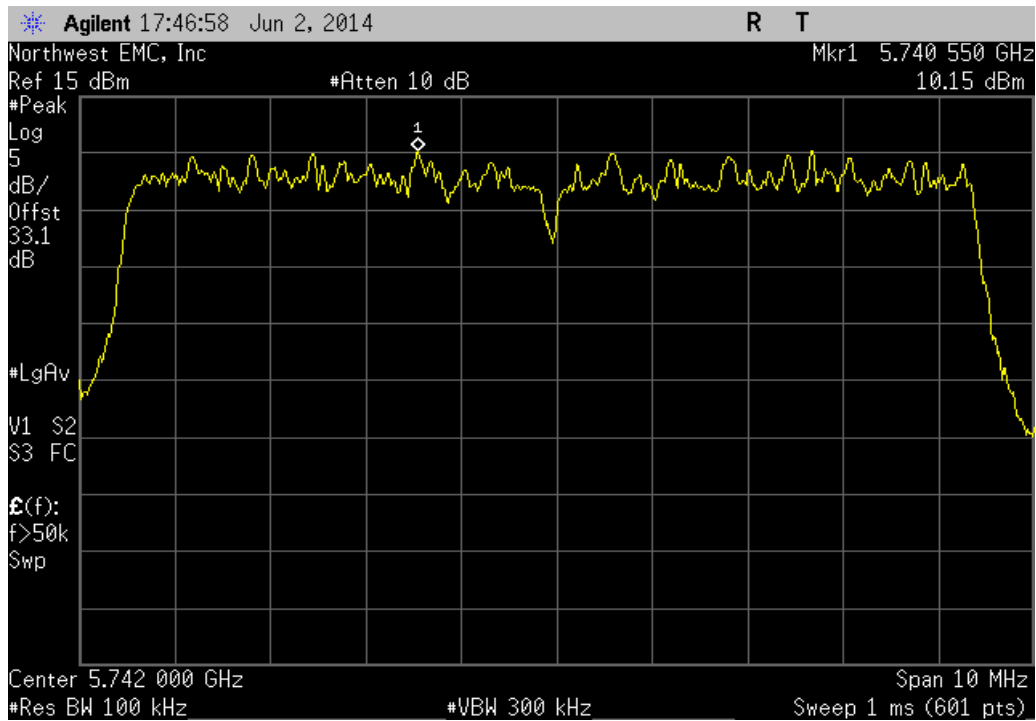
Chain 3, 5725 MHz - 5850 MHz Band, 5MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., Mid Channel 714, 5784MHz						
	Value	dBm/100kHz	Value	Limit		
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	Result	
	3.873	-15.2	-11.327	8	Pass	



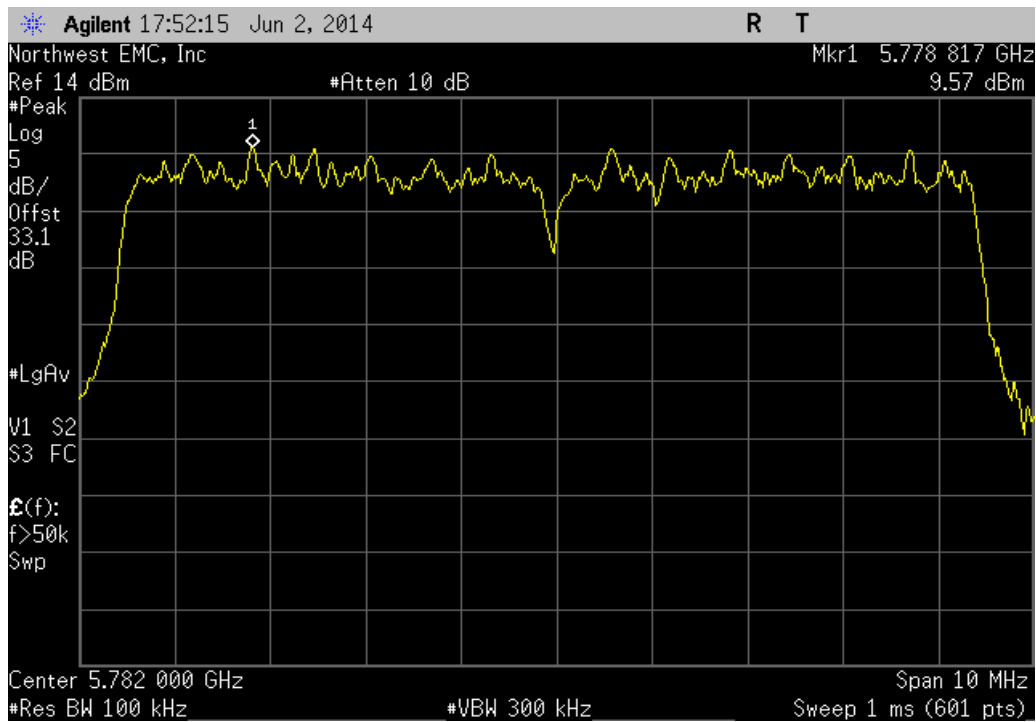
Chain 3, 5725 MHz - 5850 MHz Band, 5MHz Bandwidth , 3x3 Modulation Type, 64-QAM, Coding Rate, 5/6., High Channel 759, 5829MHz						
	Value	dBm/100kHz	Value	Limit		
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	Result	
	1.177	-15.2	-14.023	8	Pass	



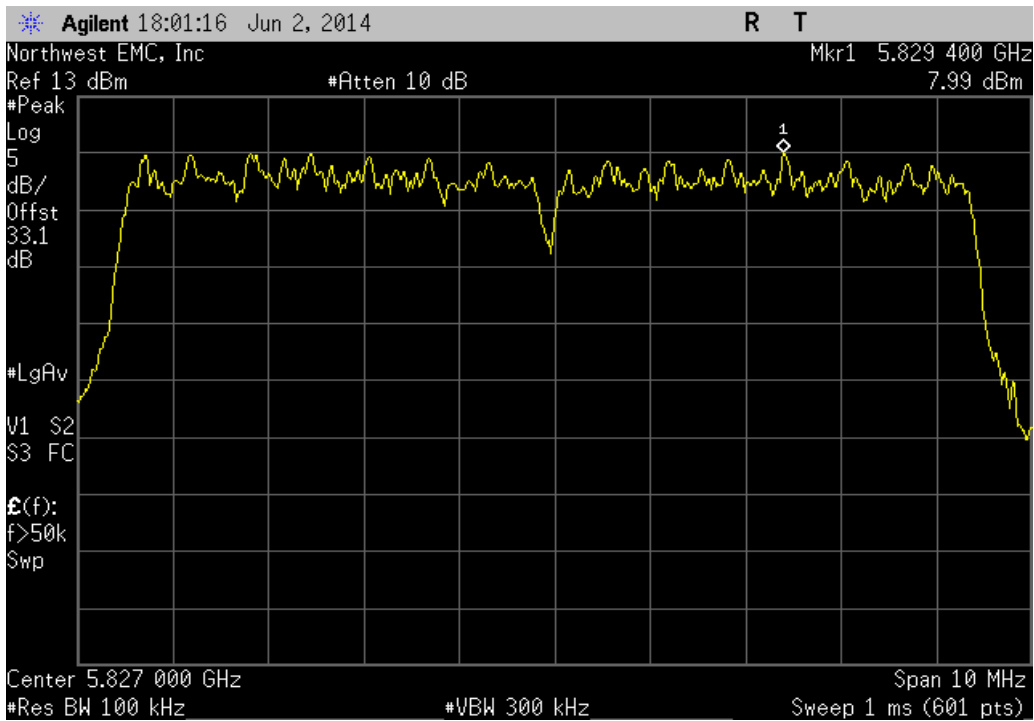
Chain 3, 5725 MHz - 5850 MHz Band, 10MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., Low Channel 672, 5742MHz						
	Value	dBm/100kHz	To dBm/3kHz	Value	Limit	Result
	10.15	-15.2	-5.05	8	8	Pass



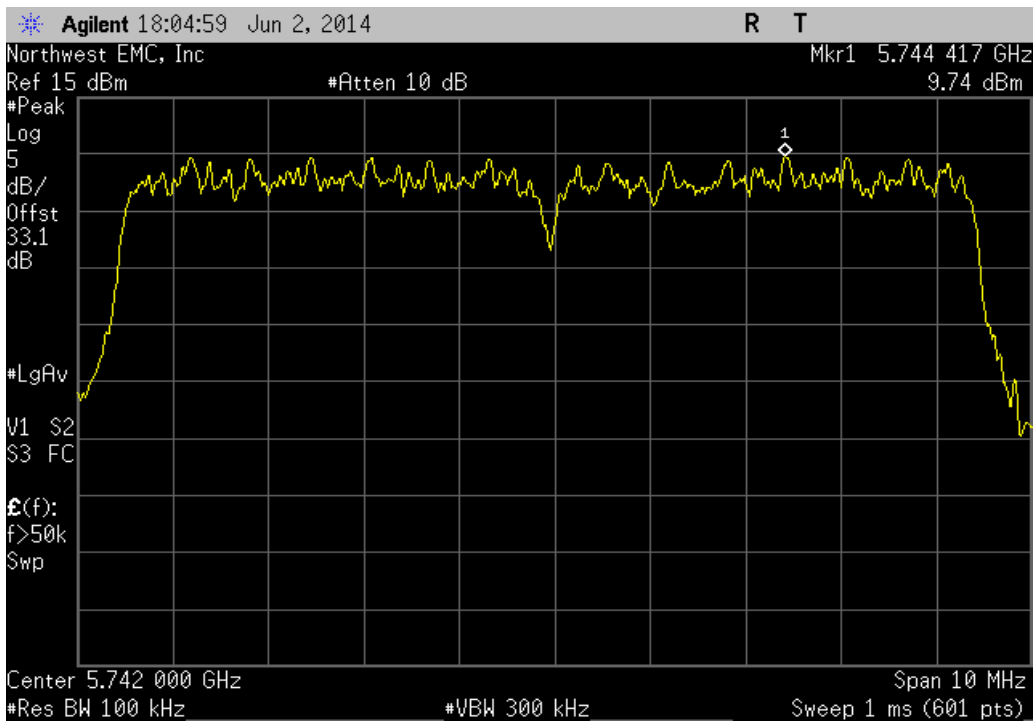
Chain 3, 5725 MHz - 5850 MHz Band, 10MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., Mid Channel 712, 5782MHz						
	Value	dBm/100kHz	To dBm/3kHz	Value	Limit	Result
	9.566	-15.2	-5.634	8	8	Pass



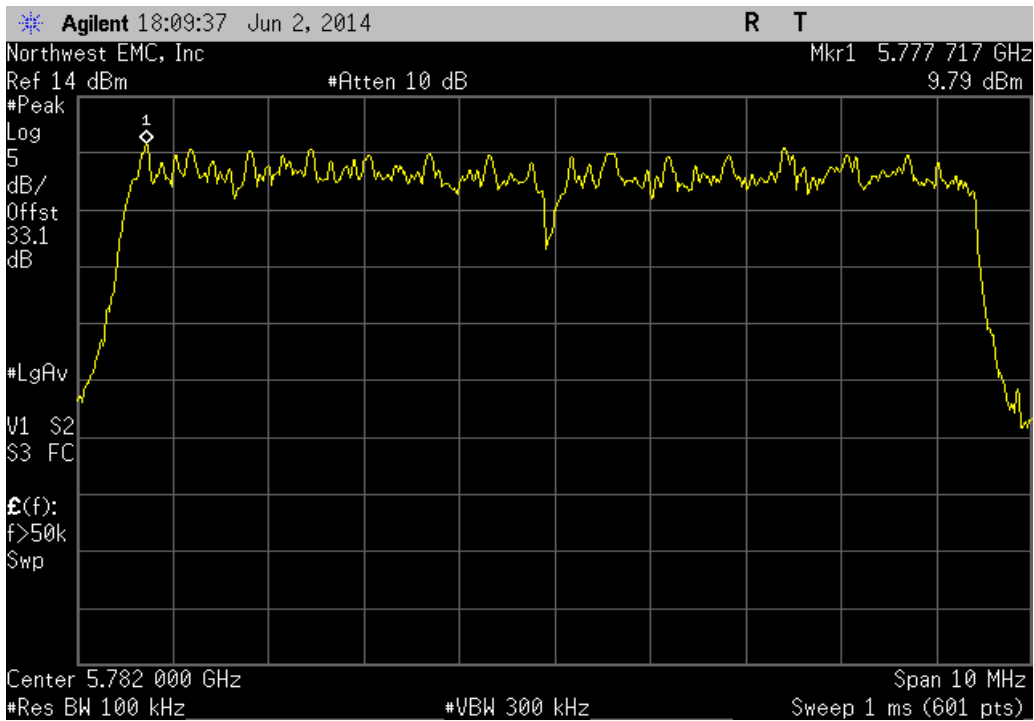
Chain 3, 5725 MHz - 5850 MHz Band, 10MHz Bandwidth , 3x3 Modulation Type, BPSK, Coding Rate, 1/2., High Channel 757, 5827MHz						
	Value	dBm/100kHz	To dBm/3kHz	Value	Limit	Result
	7.993	-15.2	-7.207	8	8	Pass



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	To dBm/3kHz	Value	Limit	Result
	9.739	-15.2	-5.461	8	8	Pass



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	Value	Limit		
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	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	Value	Limit		
	dBm/100kHz	To dBm/3kHz	dBm/3kHz	dBm/3kHz	Result	
	7.952	-15.2	-7.248	8	Pass	

