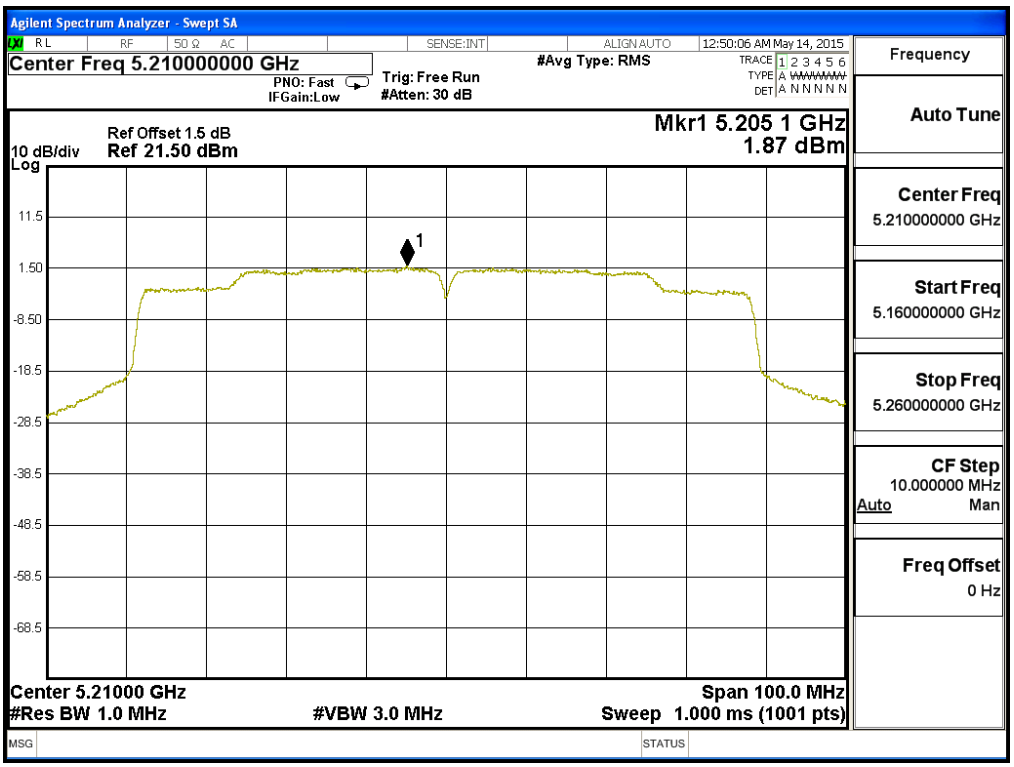
Product : Intel® Dual Band Wireless-AC 8260
Test Item : Peak Power Spectral Density
Test Site : No.3 OATS
Test Mode : Mode 1 SISO A: Transmit (802.11ac-80BW-32.5Mbps)

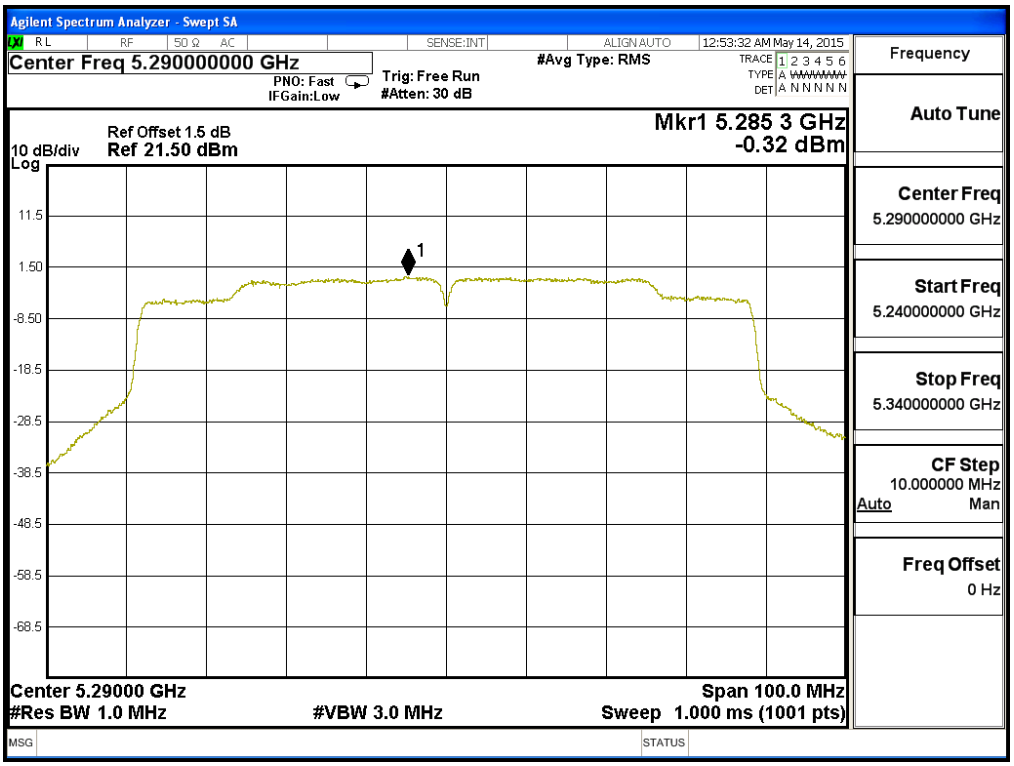
Channel Number	Frequency (MHz)	PPSD (dBm)	Duty Factor (dB)	Total PPSD (dBm)	Required Limit (dBm)	Result
42	5210	1.870	0.283	4.700	<11	Pass
58	5290	-0.320	0.283	2.510	<11	Pass
106	5530	-1.250	0.283	1.580	<11	Pass
122	5610	1.010	0.283	3.840	<11	Pass
138	5690(Band3)	1.590	0.283	4.420	<11	Pass
138	5690(Band4)	-4.490	0.283	5.32*	<30	Pass

Note: Total PPSD = PPSD value + Duty Factor
* Total PPSD = PPSD value + Duty Factor+6.98dB

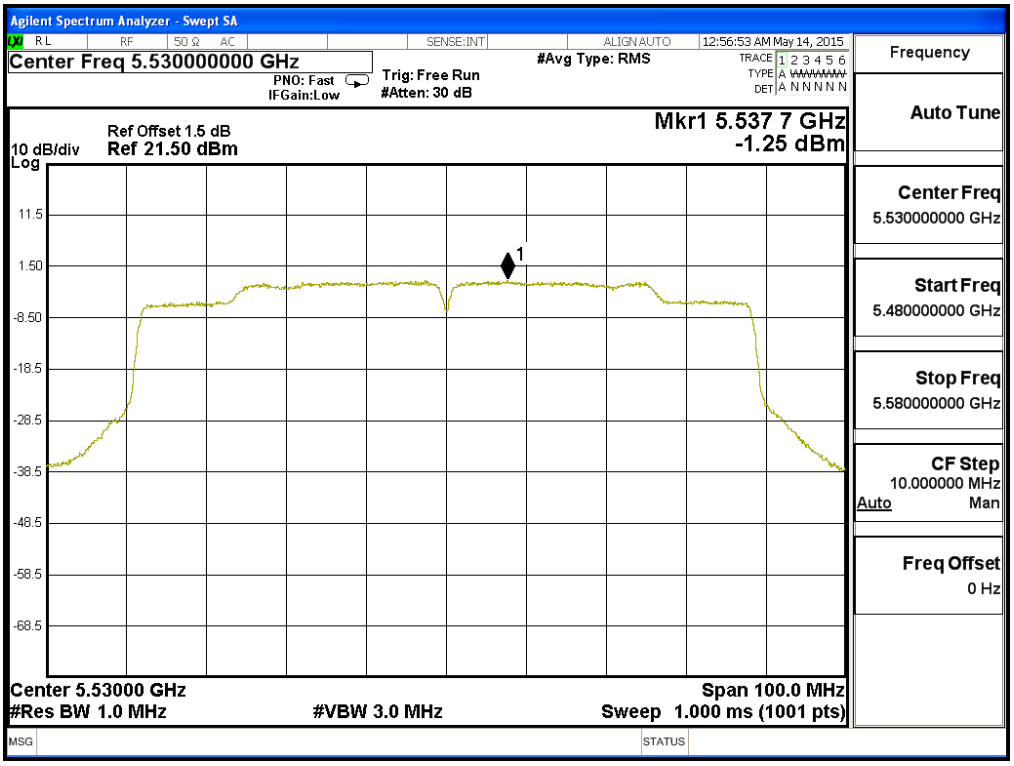
Channel 42



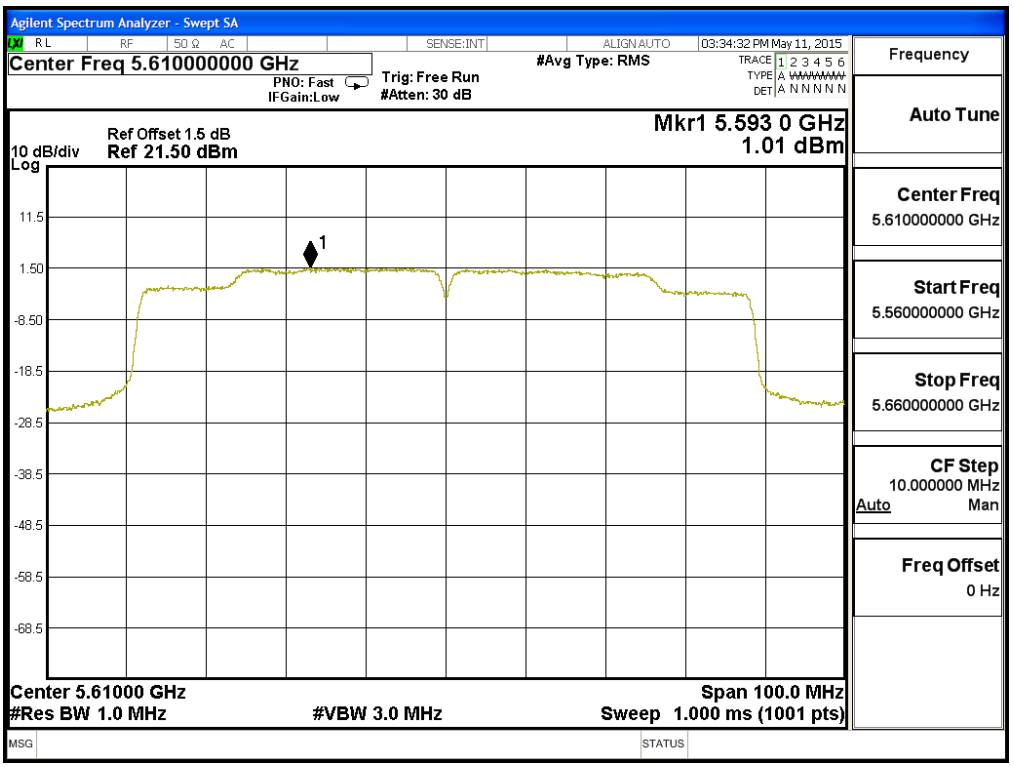
Channel 58



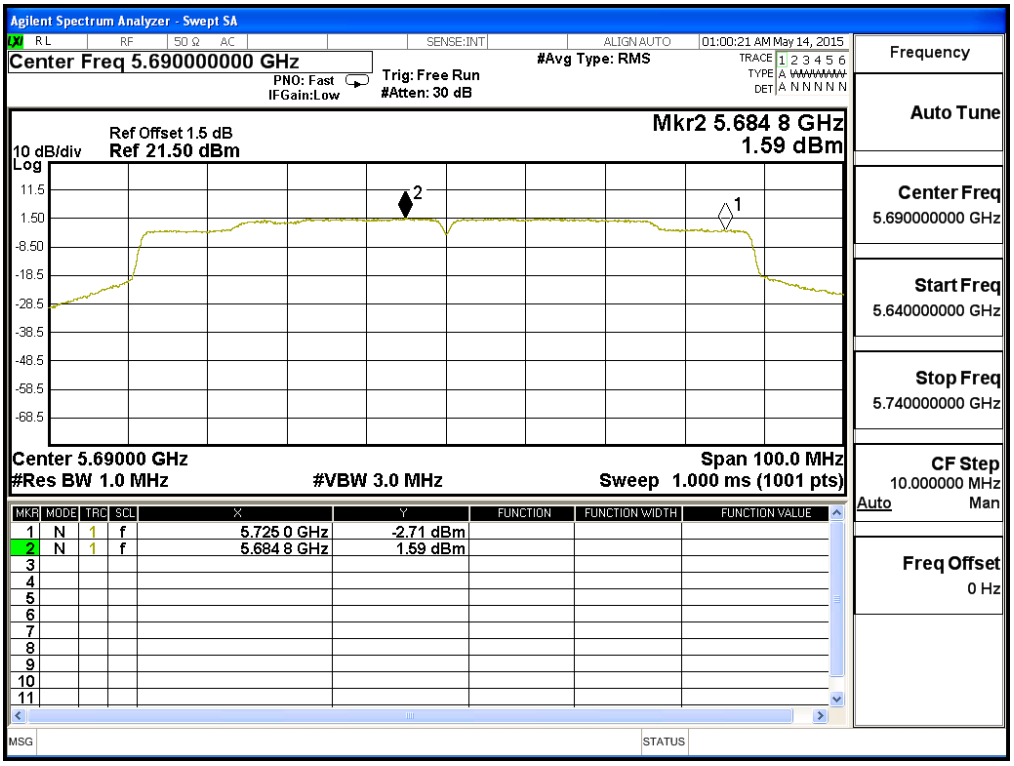
Channel 106



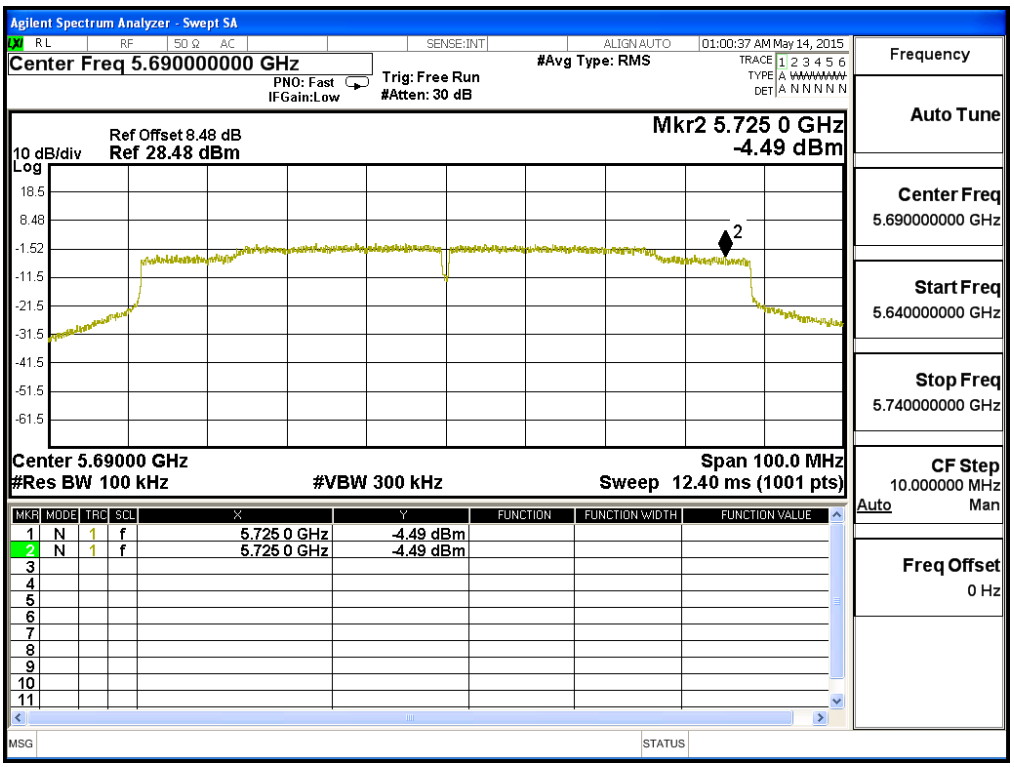
Channel 122



Channel 138 (Band3)



Channel 138 (Band4)

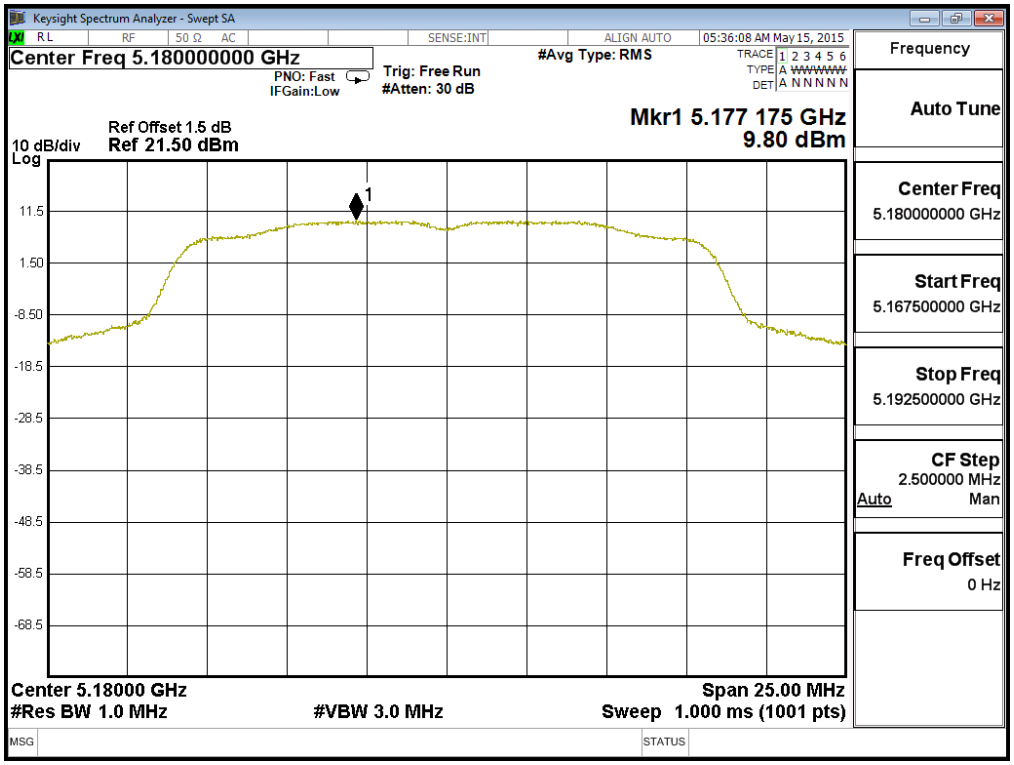


Product : Intel® Dual Band Wireless-AC 8260
Test Item : Peak Power Spectral Density
Test Site : No.3 OATS
Test Mode : Mode 2 SISO B: Transmit (802.11a-6Mbps)

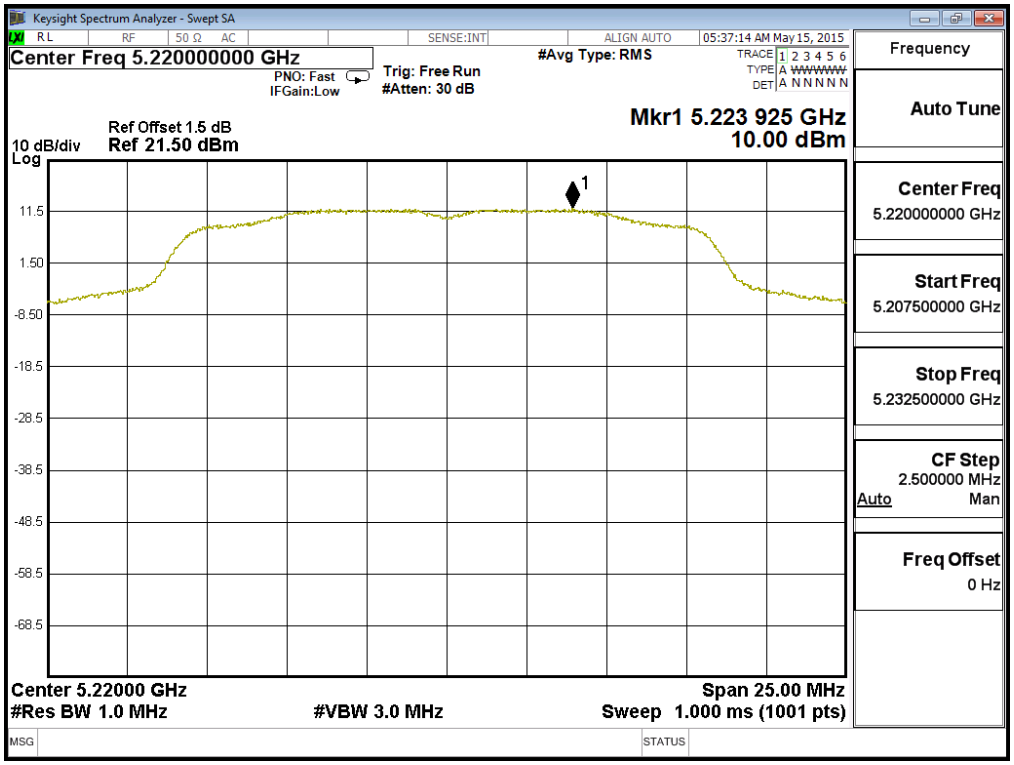
Channel Number	Frequency (MHz)	PPSD (dBm)	Duty Factor (dB)	Total PPSD (dBm)	Required Limit (dBm)	Result
36	5180	9.798	0.079	9.877	<11	Pass
44	5220	10.004	0.079	10.083	<11	Pass
48	5240	10.069	0.079	10.148	<11	Pass
52	5260	9.985	0.079	10.064	<11	Pass
60	5300	9.982	0.079	10.061	<11	Pass
64	5320	9.258	0.079	9.337	<11	Pass
100	5500	7.464	0.079	7.543	<11	Pass
116	5580	10.930	0.079	11.009	<11	Pass
140	5700	5.332	0.079	5.411	<11	Pass

Note: Total PPSD = PPSD value + Duty Factor

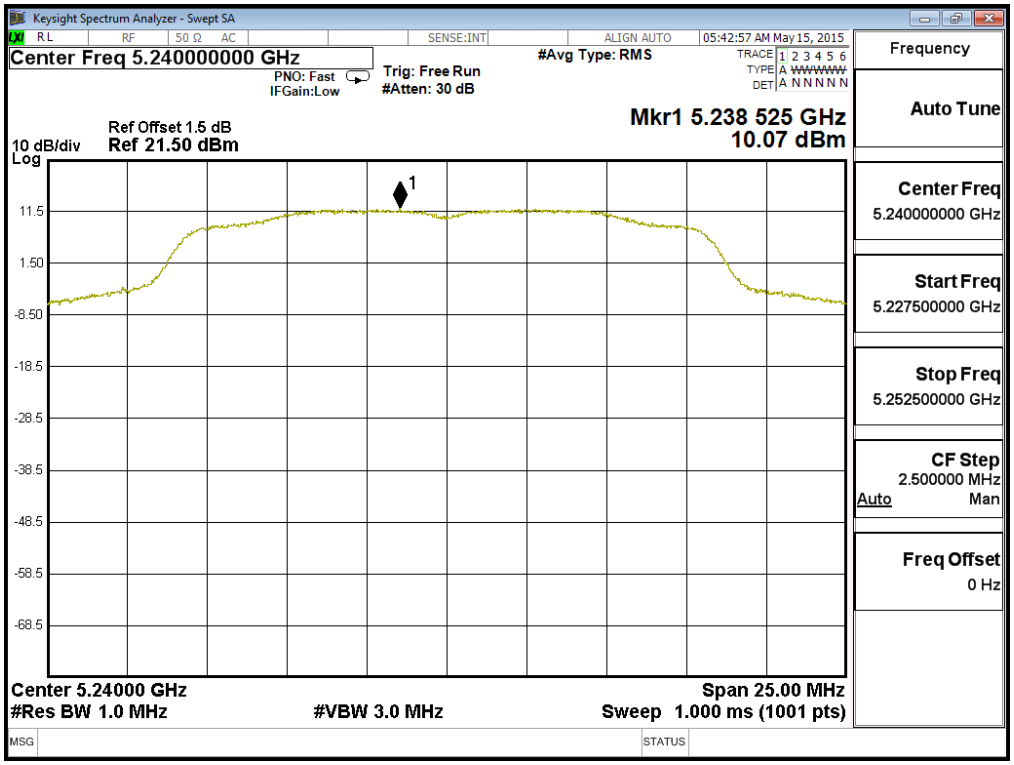
Channel 36:



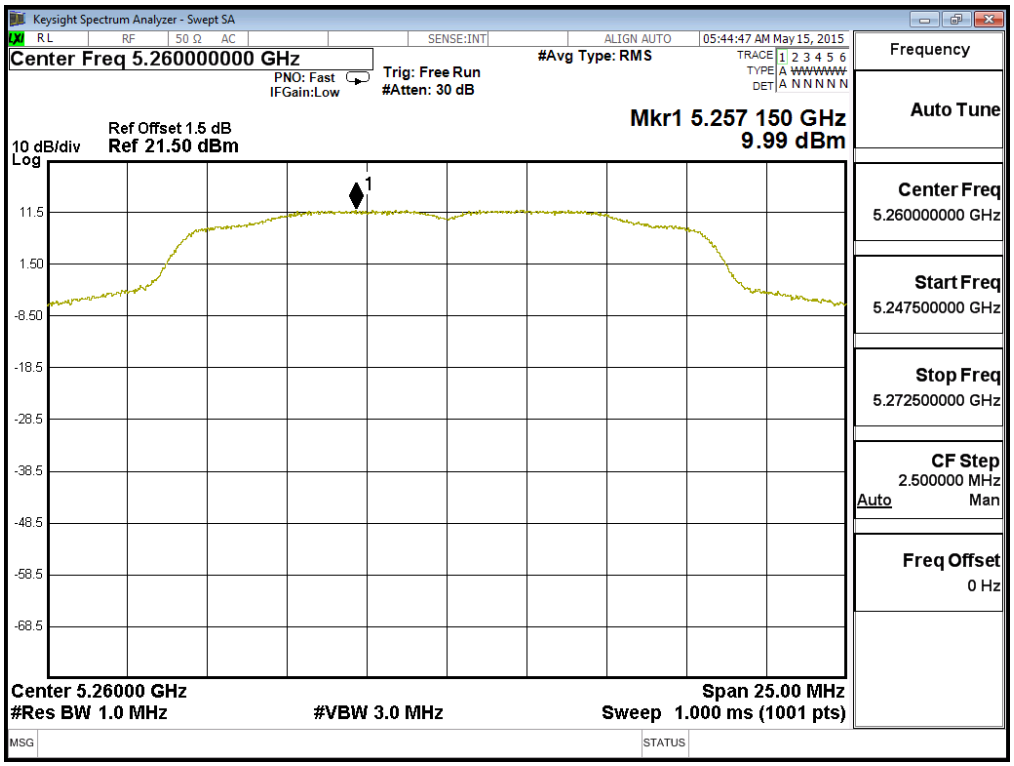
Channel 44:



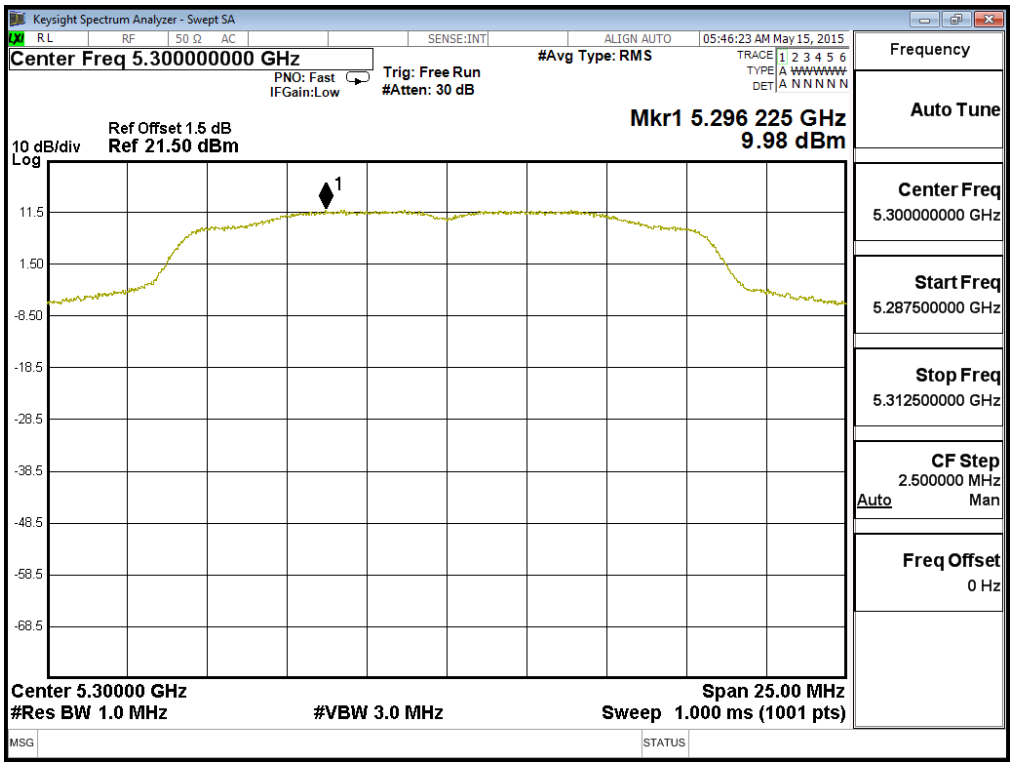
Channel 48:



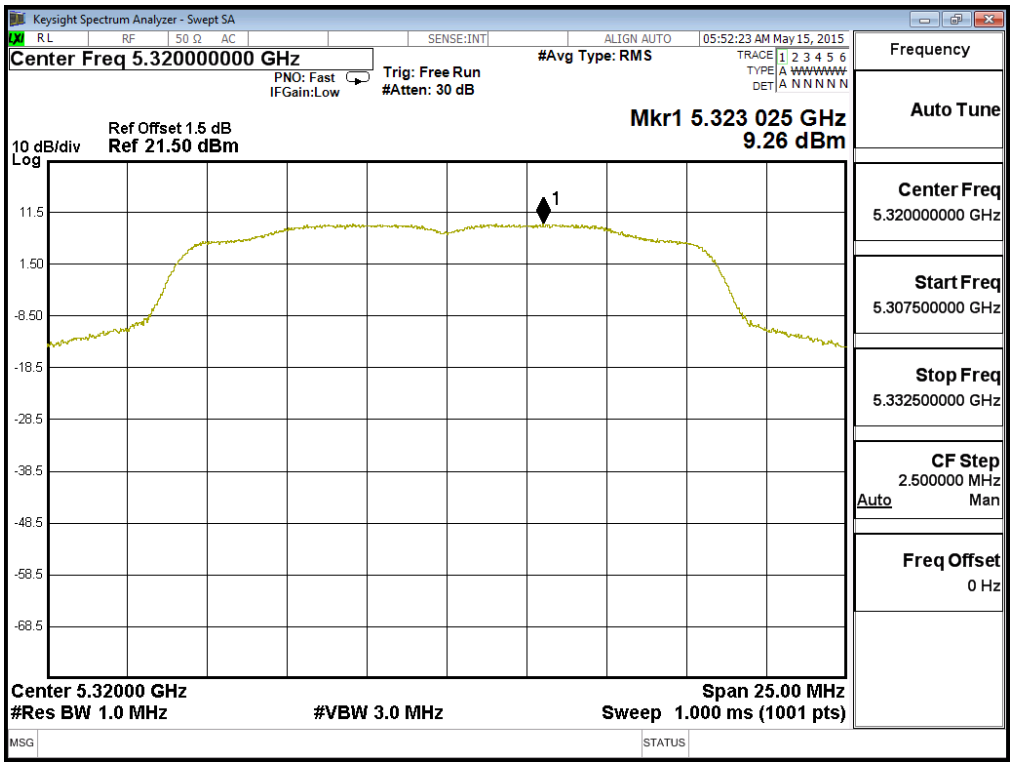
Channel 52:



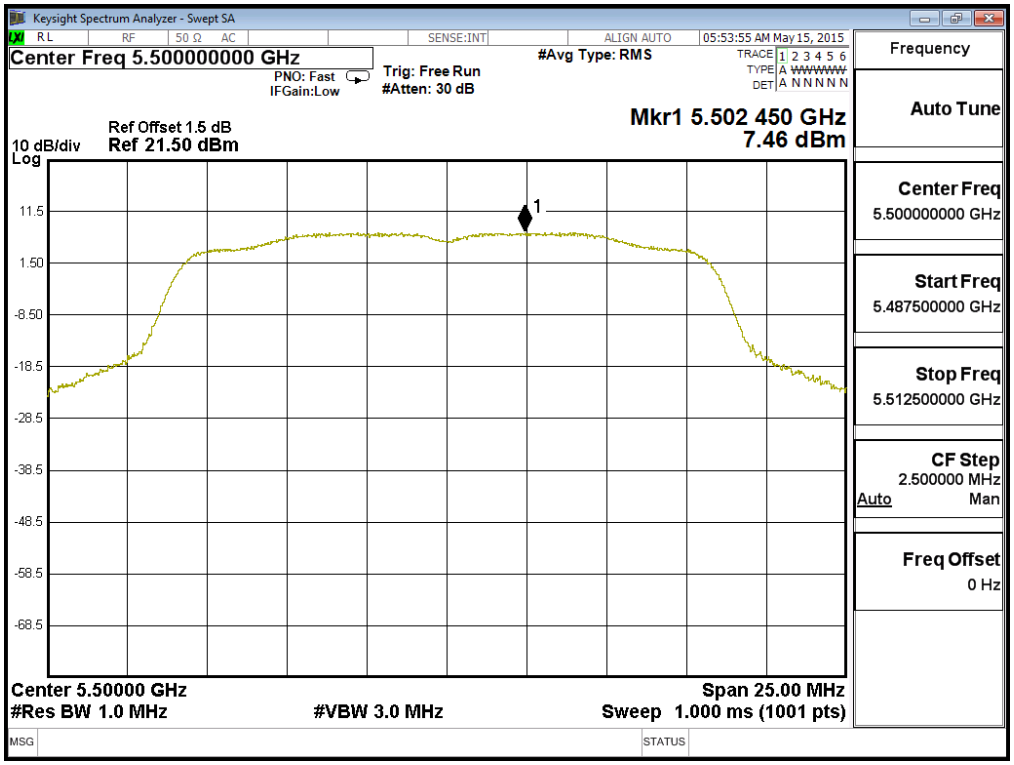
Channel 60:



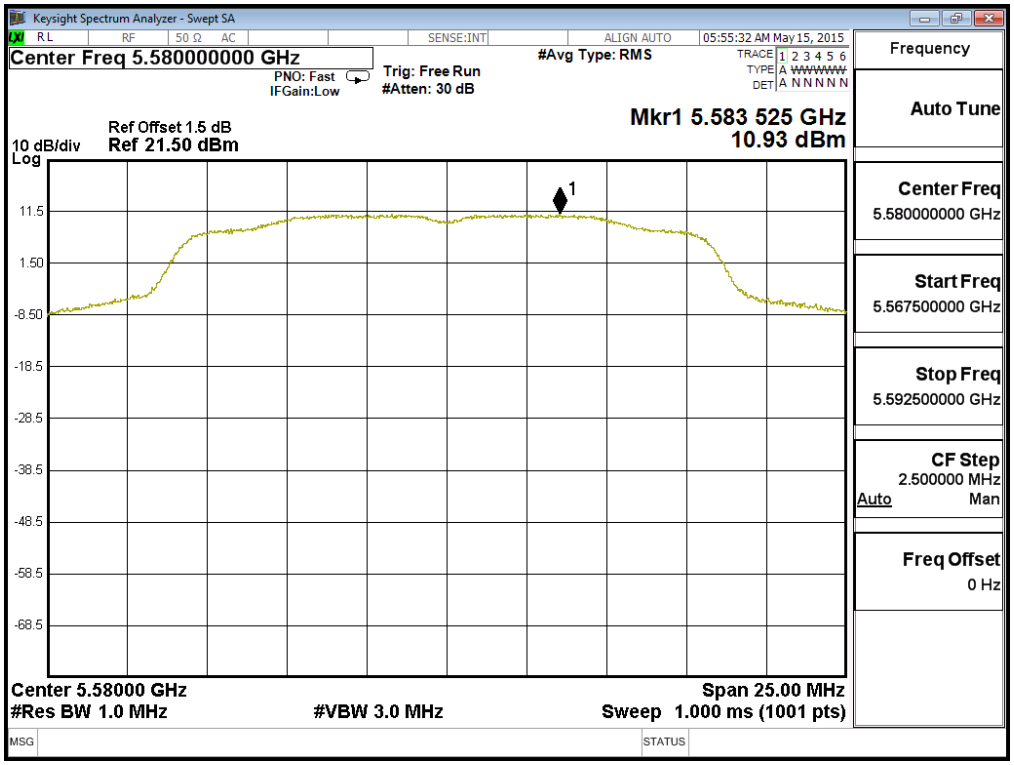
Channel 64:



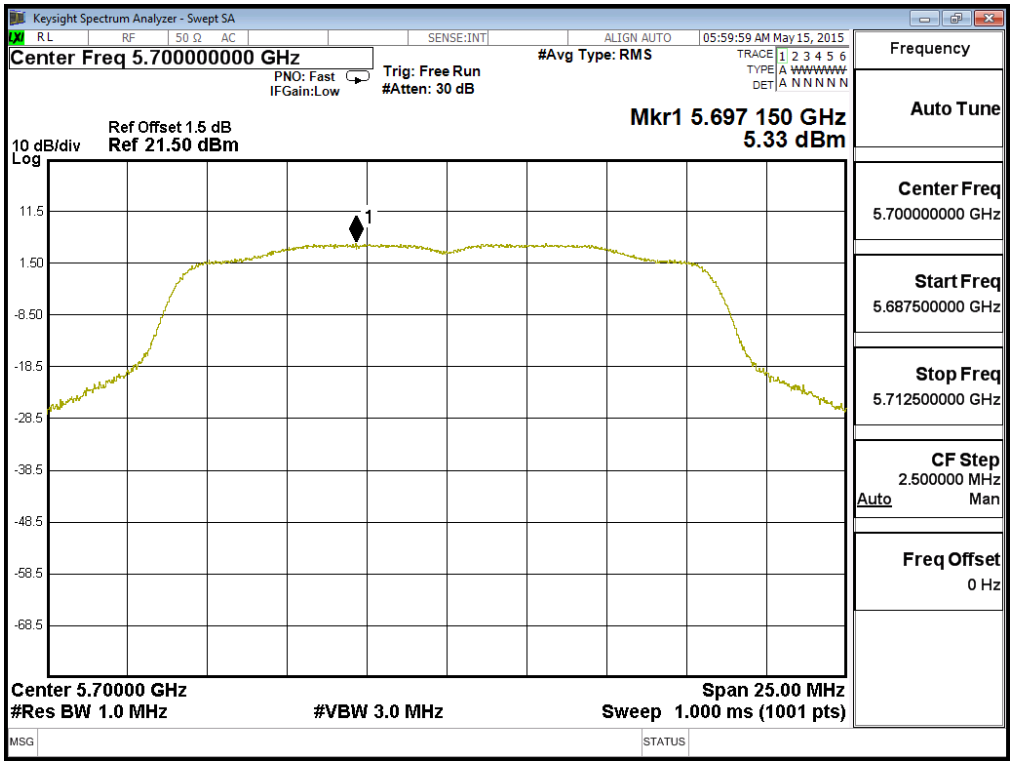
Channel 100:



Channel 116:



Channel 140:

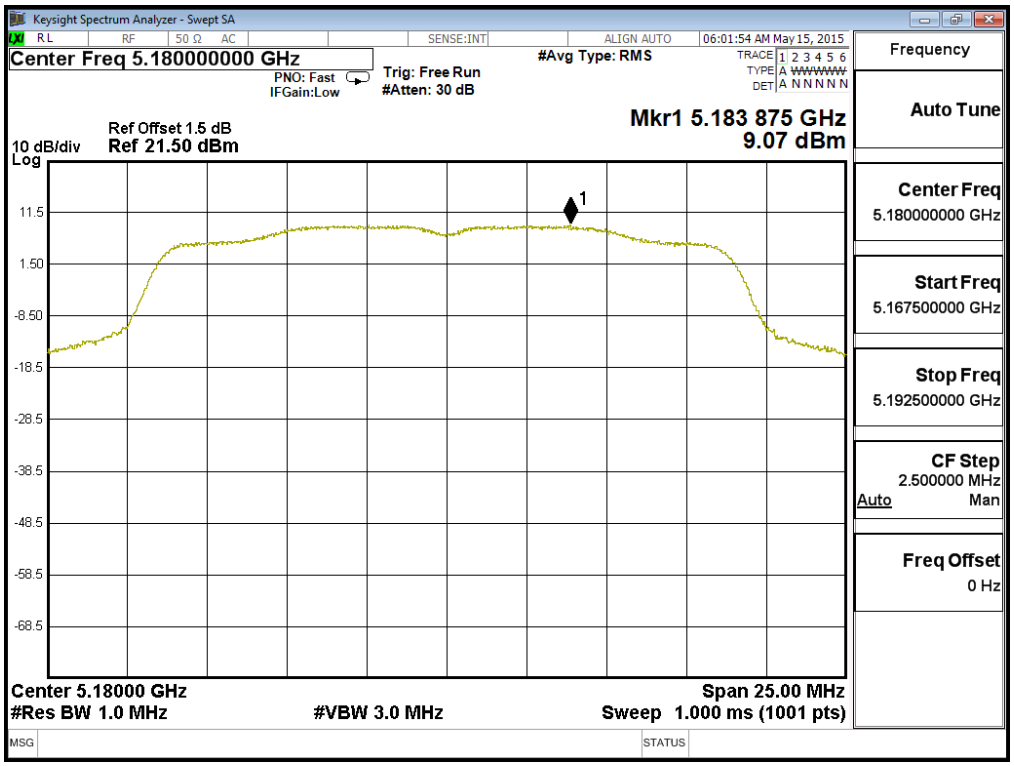

Keysight Spectrum Analyzer - Swept SA
RL
RF
50 Ω AC
SENSE:INT
ALIGN AUTO
05:59:59 AM May 15, 2015
Center Freq 5.700000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Ref Offset 1.5 dB
10 dB/div
Log
Ref 21.50 dBm
Mkr1 5.697 150 GHz
5.33 dBm
11.5
1.50
-8.50
-18.5
-28.5
-38.5
-48.5
-58.5
-68.5
Center 5.70000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Span 25.00 MHz
Sweep 1.000 ms (1001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
5.700000000 GHz
Start Freq
5.687500000 GHz
Stop Freq
5.712500000 GHz
CF Step
2.500000 MHz
Auto
Man
Freq Offset
0 Hz

Product : Intel® Dual Band Wireless-AC 8260
Test Item : Peak Power Spectral Density
Test Site : No.3 OATS
Test Mode : Mode 2 SISO B: Transmit (802.11n-20BW 7.2Mbps)

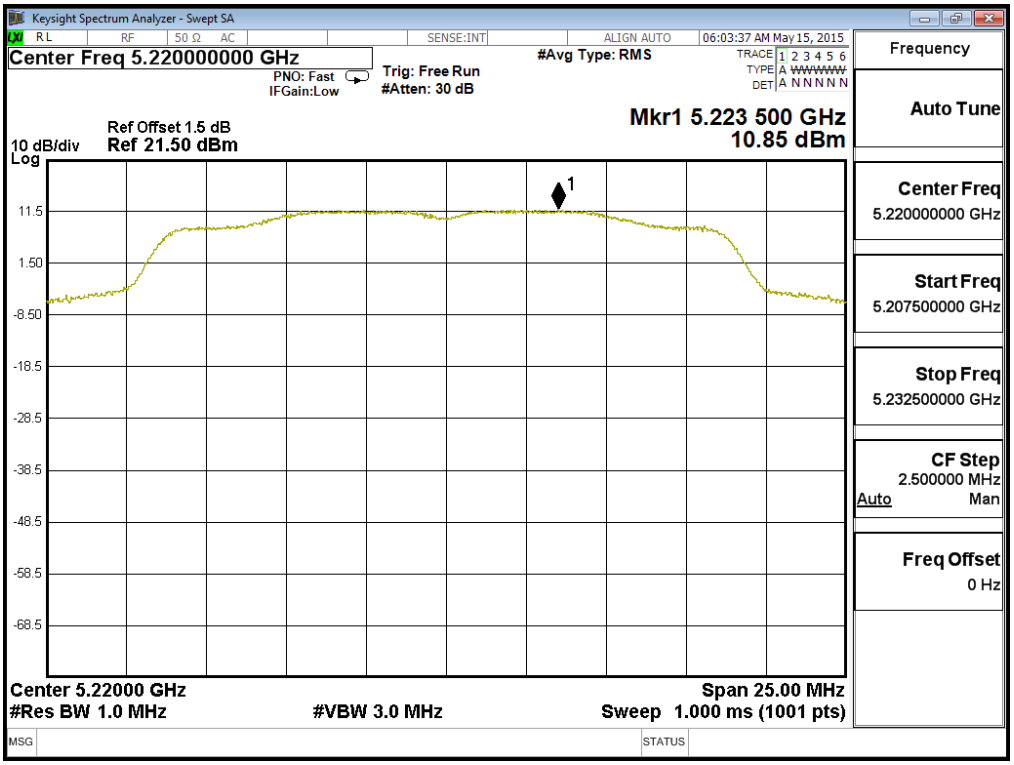
Channel Number	Frequency (MHz)	PPSD (dBm)	Duty Factor (dB)	Total PPSD (dBm)	Required Limit (dBm)	Result
36	5180	9.072	0.088	9.160	<11	Pass
44	5220	10.850	0.088	10.938	<11	Pass
48	5240	10.760	0.088	10.848	<11	Pass
52	5260	9.754	0.088	9.842	<11	Pass
60	5300	9.725	0.088	9.813	<11	Pass
64	5320	8.628	0.088	8.716	<11	Pass
100	5500	6.918	0.088	7.006	<11	Pass
116	5580	10.740	0.088	10.828	<11	Pass
140	5700	4.879	0.088	4.967	<11	Pass

Note: Total PPSD = PPSD value + Duty Factor

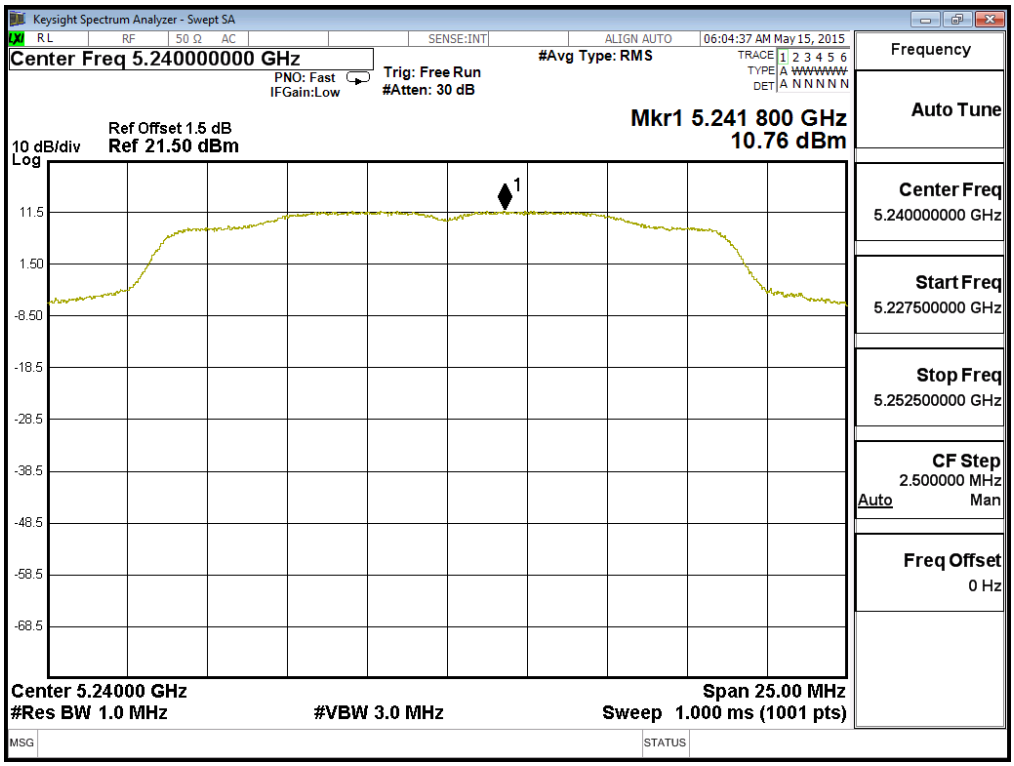
Channel 36



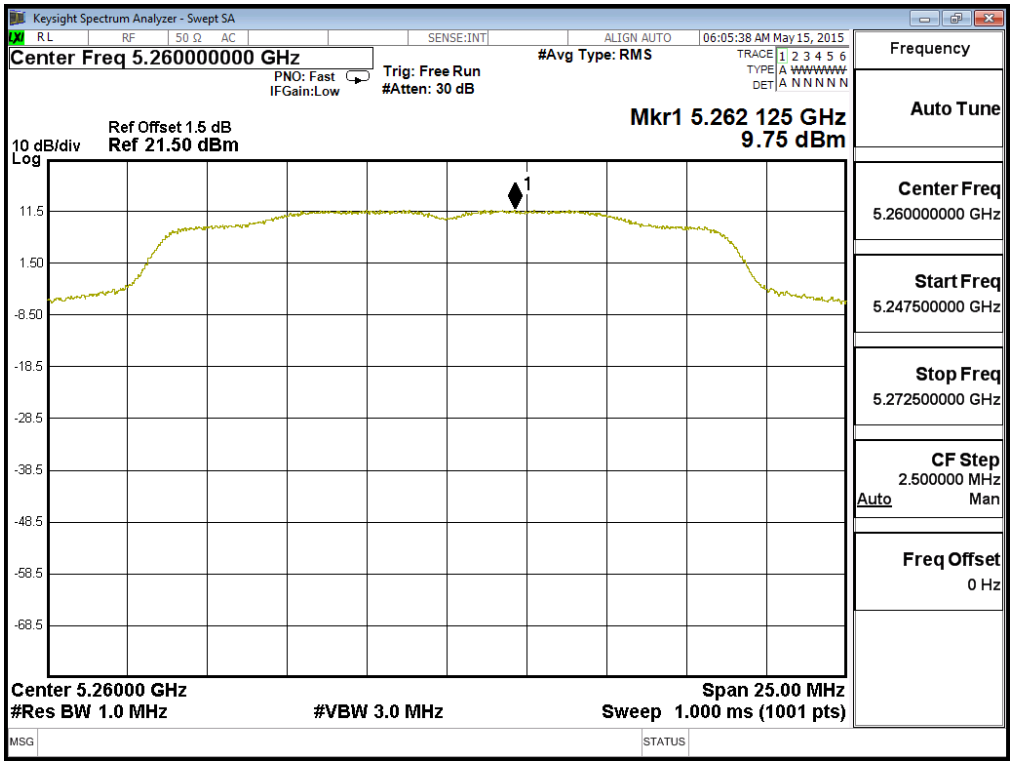
Channel 44



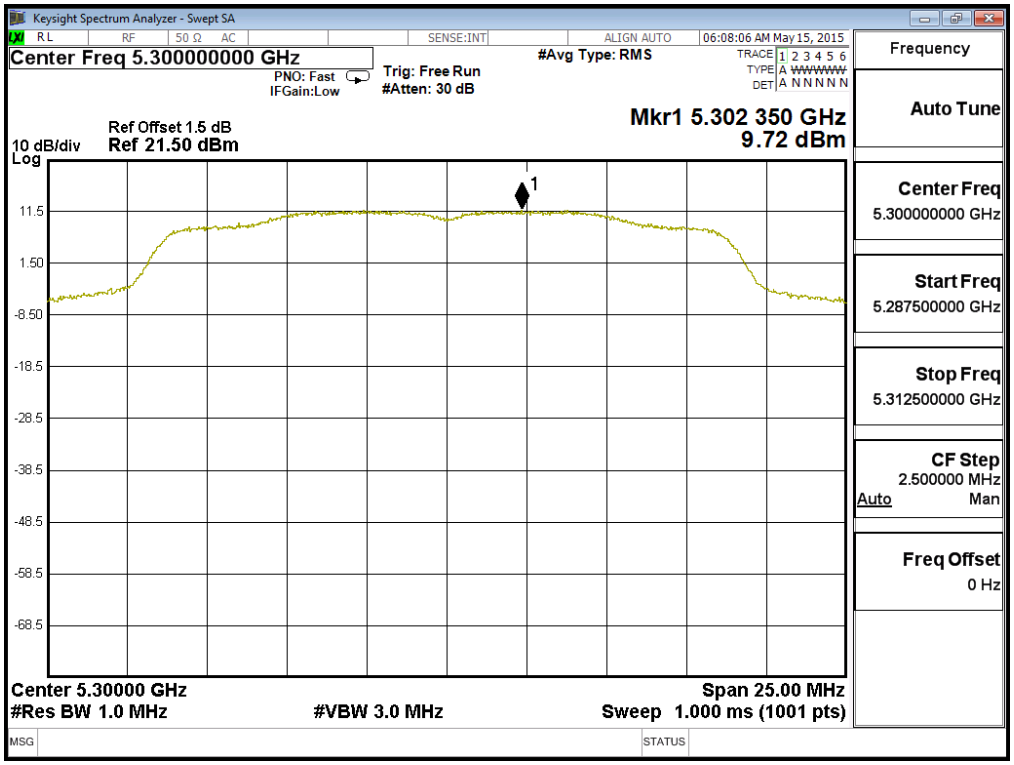
Channel 48



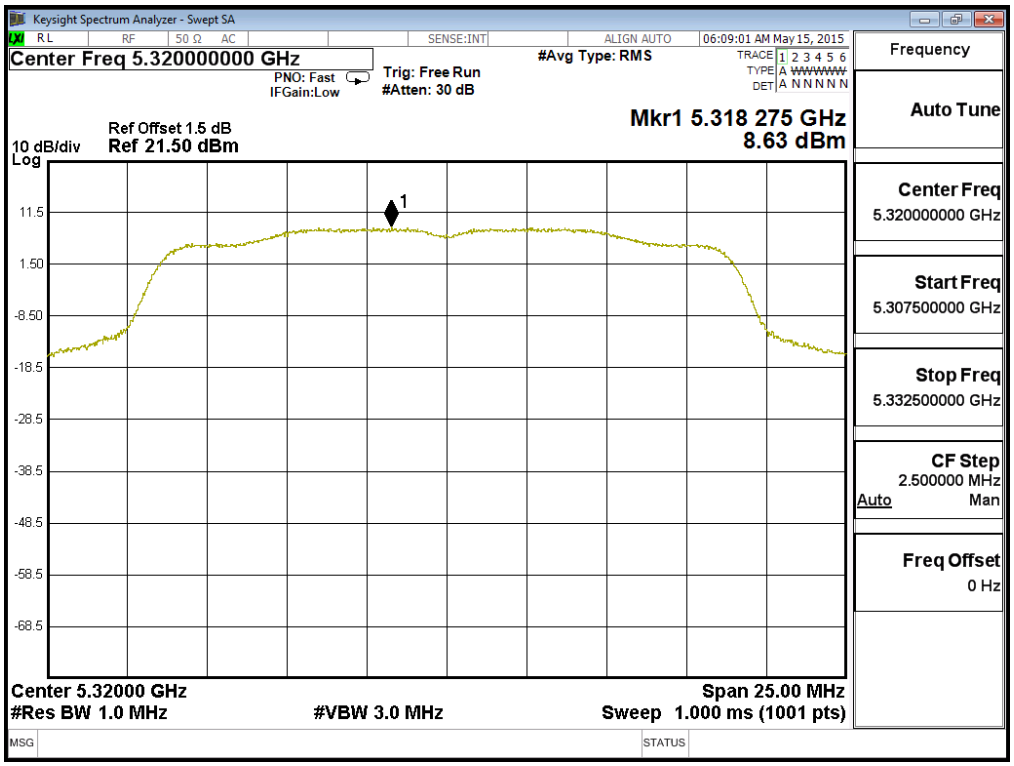
Channel 52



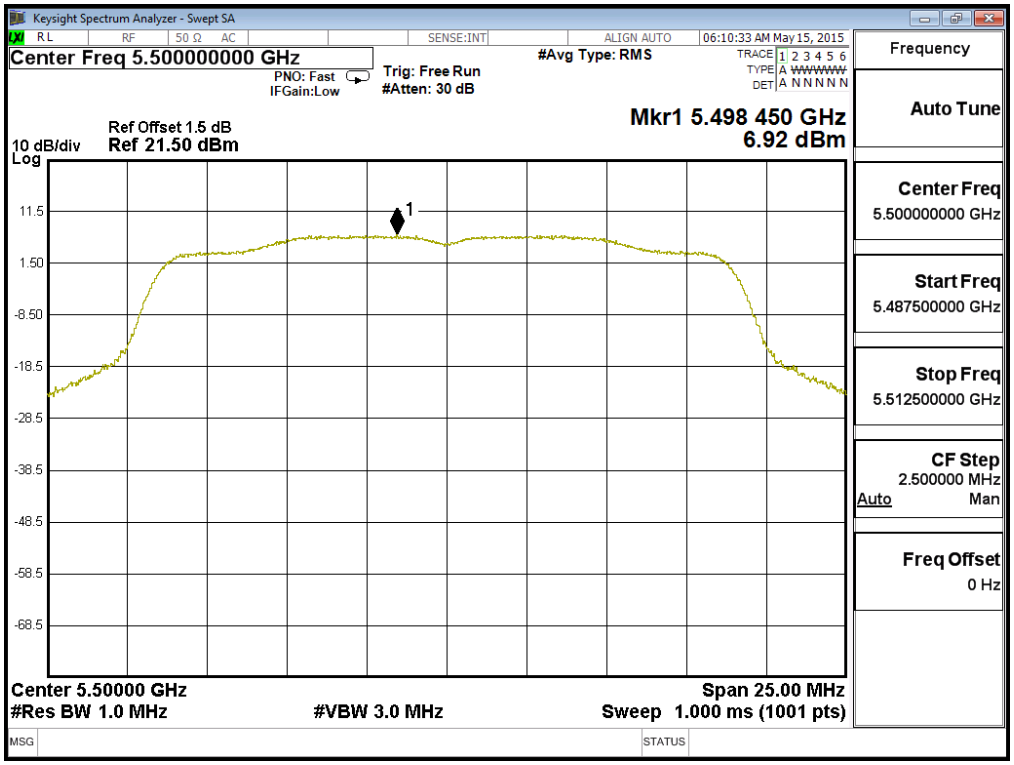
Channel 60



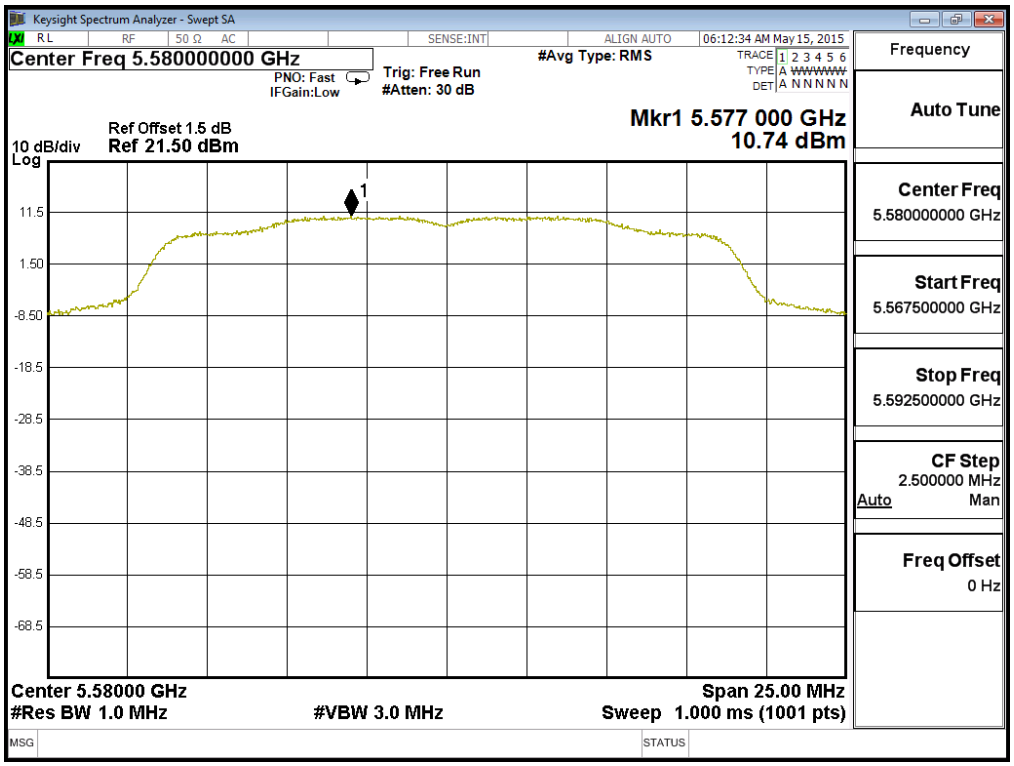
Channel 64



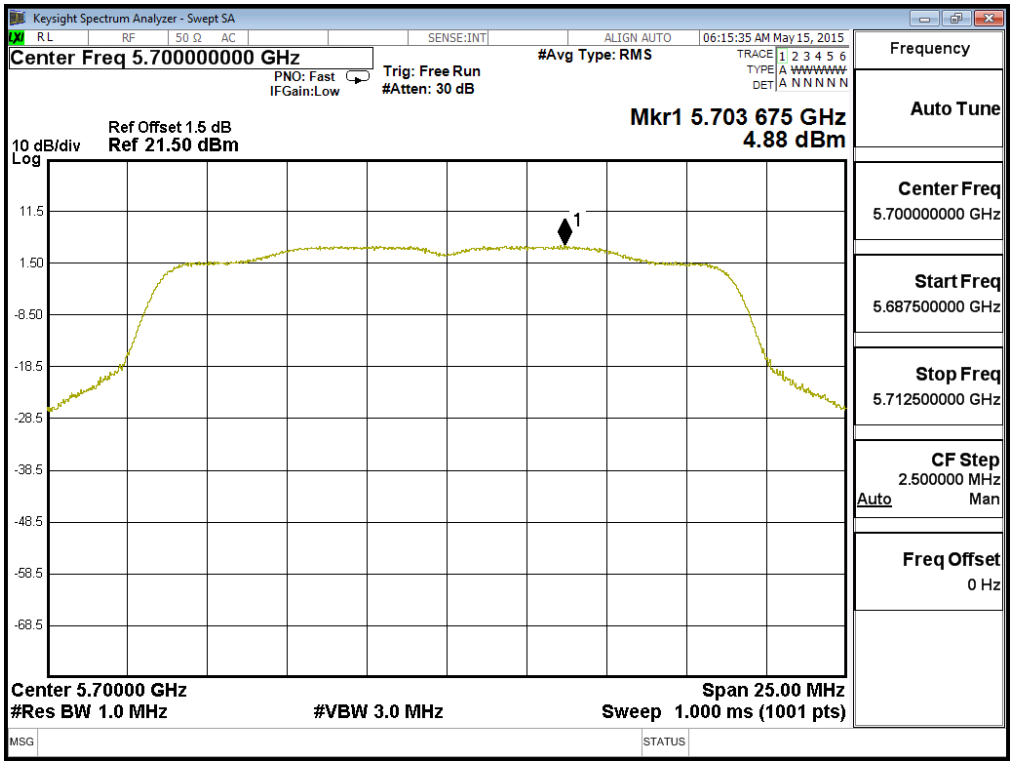
Channel 100



Channel 116



Channel 140

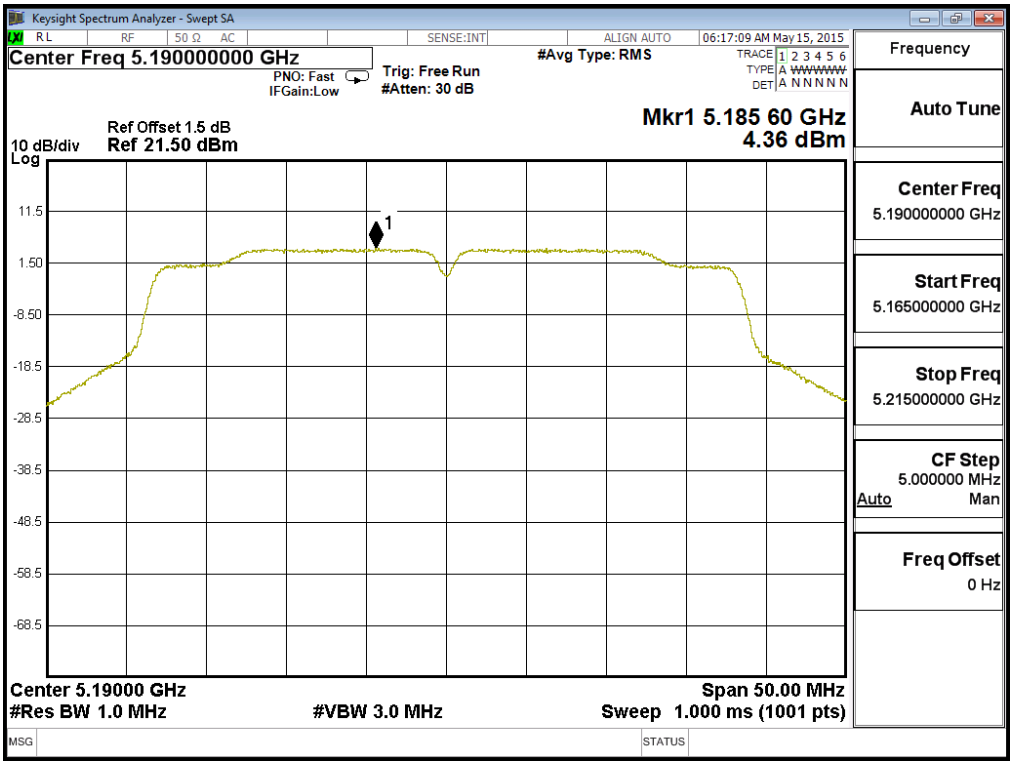

Keysight Spectrum Analyzer - Swept SA
RL
RF
50 Ω AC
SENSE:INT
ALIGN AUTO
06:15:35 AM May 15, 2015
Center Freq 5.700000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Ref Offset 1.5 dB
10 dB/div
Log
Ref 21.50 dBm
Mkr1 5.703 675 GHz
4.88 dBm
11.5
1.50
-8.50
-18.5
-28.5
-38.5
-48.5
-58.5
-68.5
1
Center 5.70000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Span 25.00 MHz
Sweep 1.000 ms (1001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
5.700000000 GHz
Start Freq
5.687500000 GHz
Stop Freq
5.712500000 GHz
CF Step
2.500000 MHz
Auto
Man
Freq Offset
0 Hz

Product : Intel® Dual Band Wireless-AC 8260
Test Item : Peak Power Spectral Density
Test Site : No.3 OATS
Test Mode : Mode 2 SISO B: Transmit (802.11n-40BW 15Mbps)

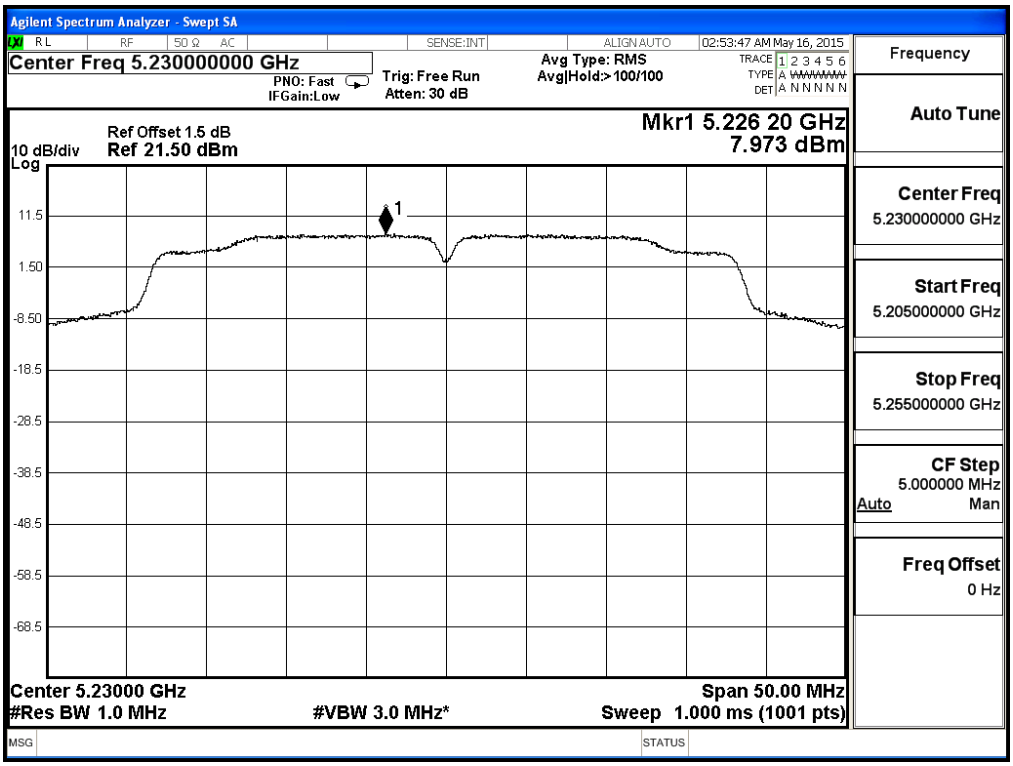
Channel Number	Frequency (MHz)	PPSD (dBm)	Duty Factor (dB)	Total PPSD (dBm)	Required Limit (dBm)	Result
38	5190	4.360	0.150	4.510	<11	Pass
46	5230	7.973	0.150	8.123	<11	Pass
54	5270	7.965	0.150	8.115	<11	Pass
62	5310	2.443	0.150	2.593	<11	Pass
102	5510	1.136	0.150	1.286	<11	Pass
110	5550	7.650	0.150	7.800	<11	Pass
134	5670	6.227	0.150	6.377	<11	Pass

Note: Total PPSD = PPSD value + Duty Factor

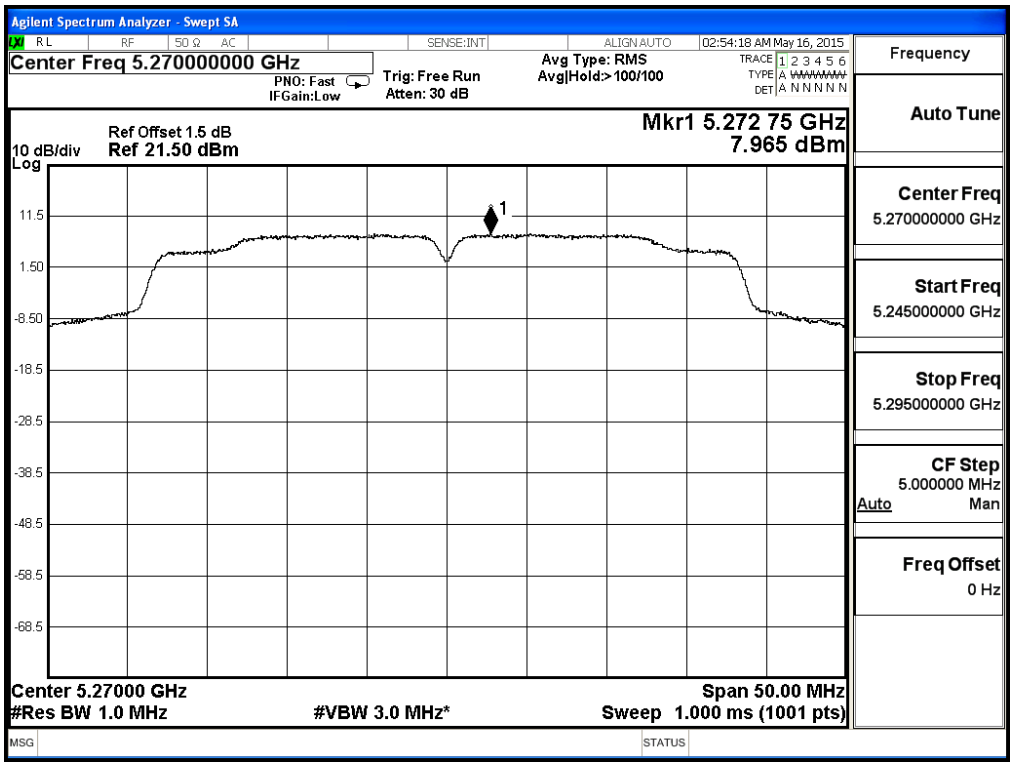
Channel 38



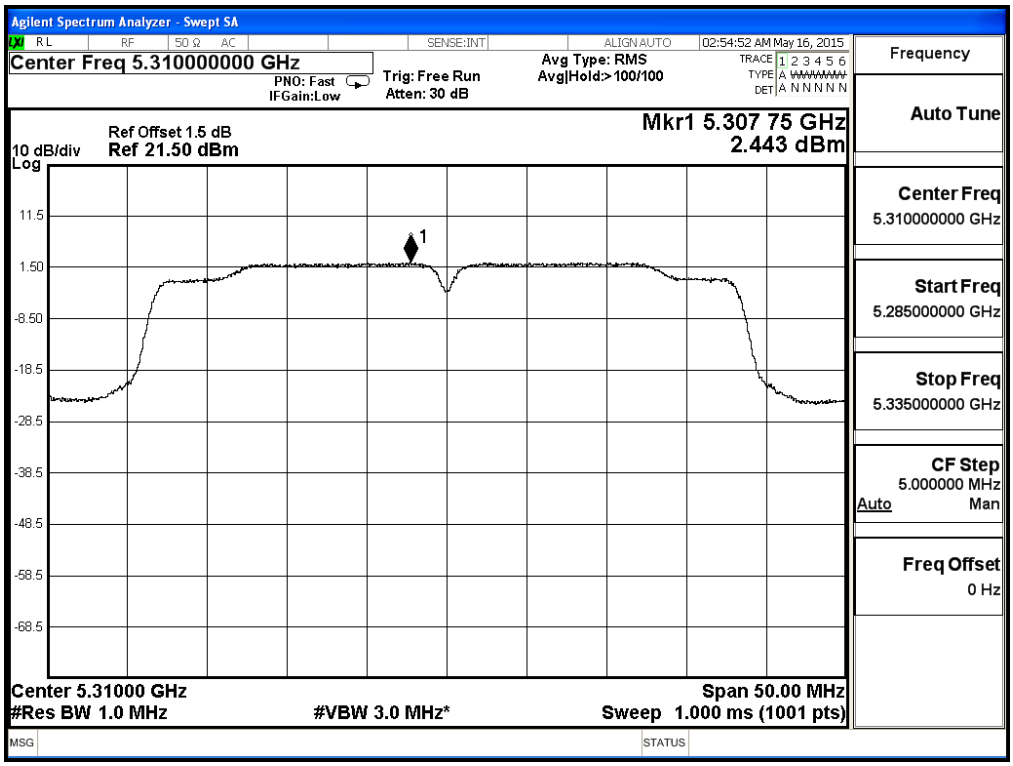
Channel 46



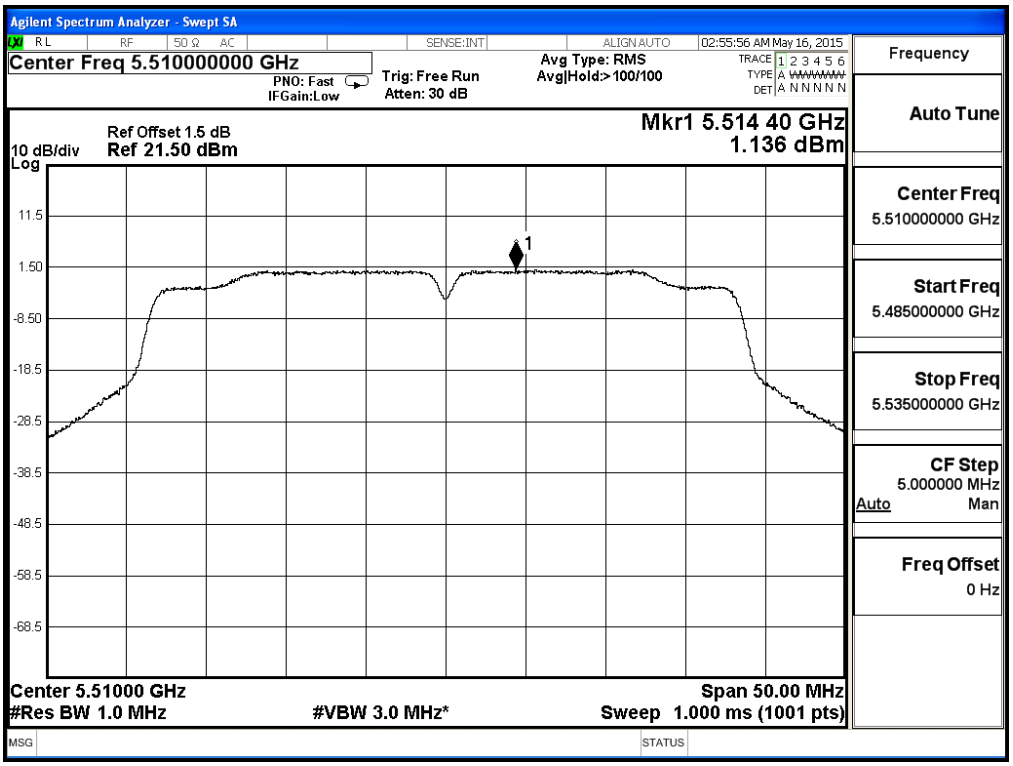
Channel 54



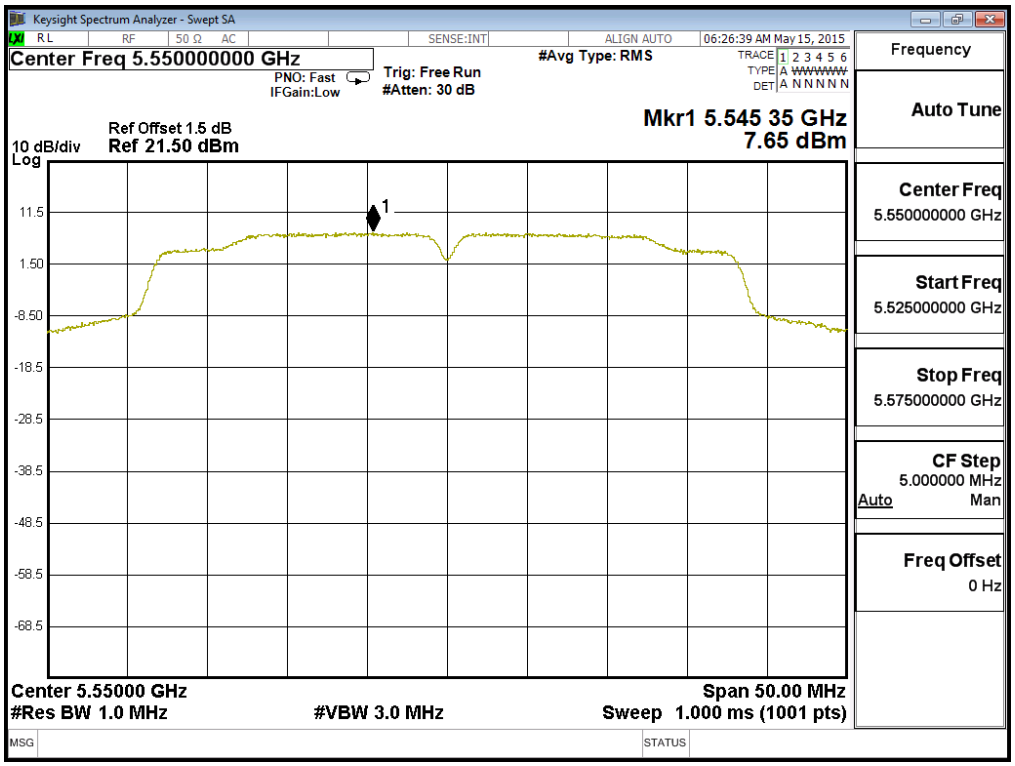
Channel 62



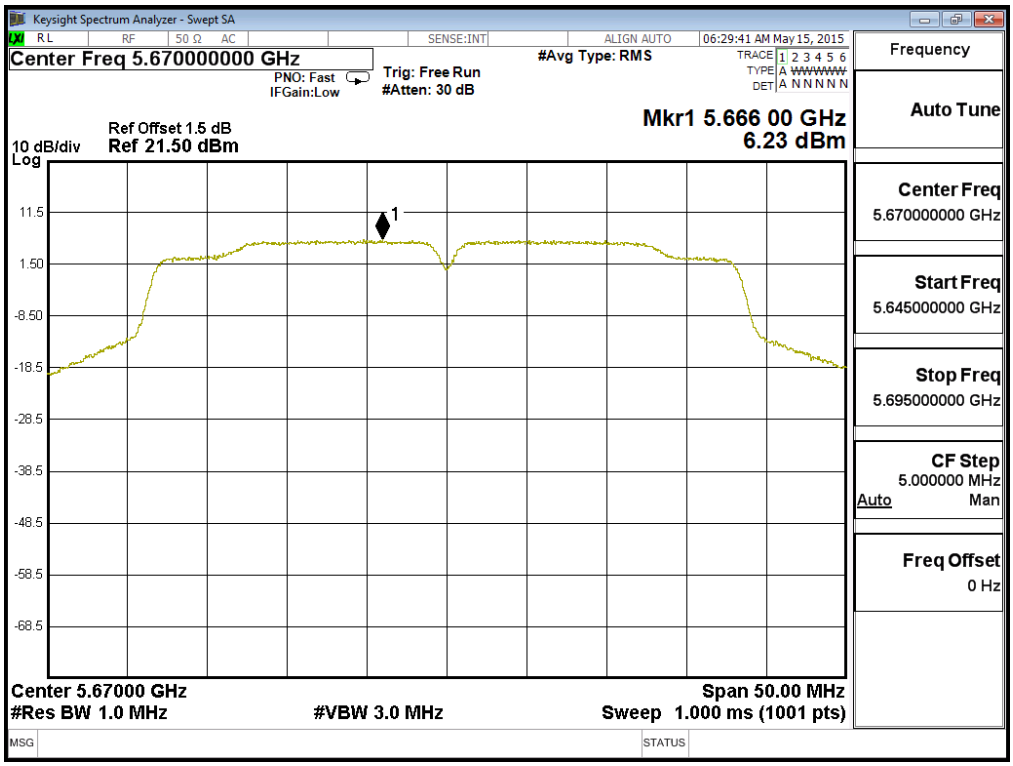
Channel 102



Channel 110



Channel 134

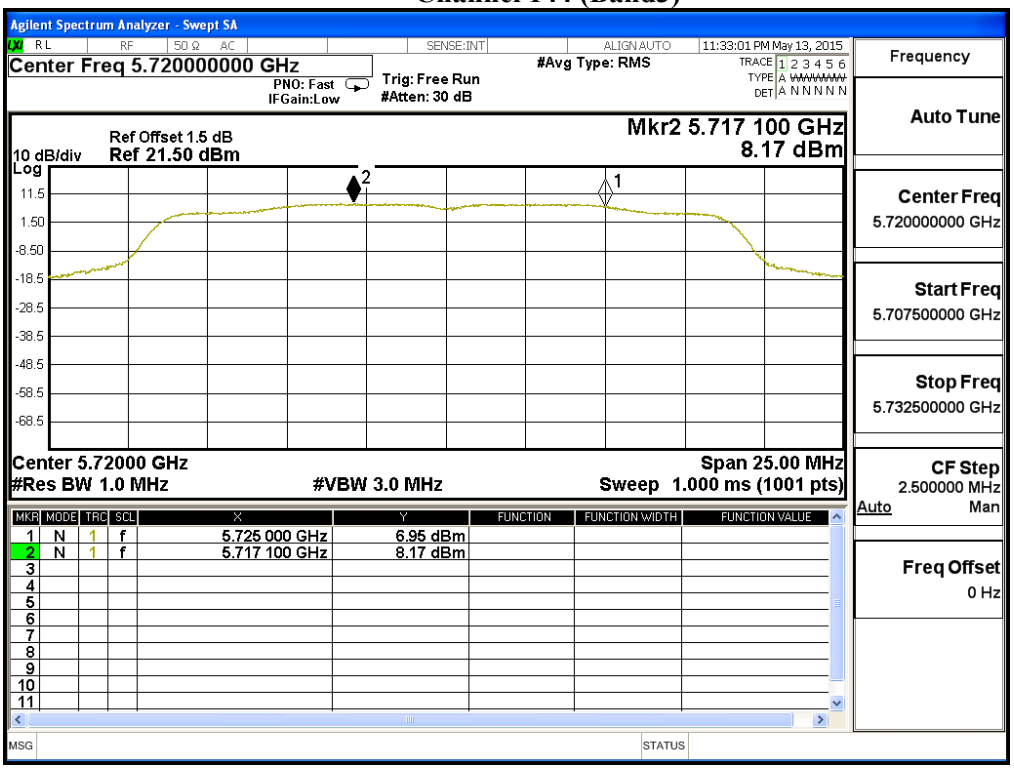

Keysight Spectrum Analyzer - Swept SA
RL
RF
50 Ω AC
SENSE:INT
ALIGN AUTO
06:29:41 AM May 15, 2015
Center Freq 5.670000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 5.666 00 GHz
6.23 dBm
Ref Offset 1.5 dB
10 dB/div
Log
Ref 21.50 dBm
11.5
1.50
-8.50
-18.5
-28.5
-38.5
-48.5
-58.5
-68.5
1
Center 5.67000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Span 50.00 MHz
Sweep 1.000 ms (1001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
5.670000000 GHz
Start Freq
5.645000000 GHz
Stop Freq
5.695000000 GHz
CF Step
5.000000 MHz
Auto
Man
Freq Offset
0 Hz

Product : Intel® Dual Band Wireless-AC 8260
Test Item : Peak Power Spectral Density
Test Site : No.3 OATS
Test Mode : Mode 2 SISO B: Transmit (802.11ac-20BW-7.2Mbps)

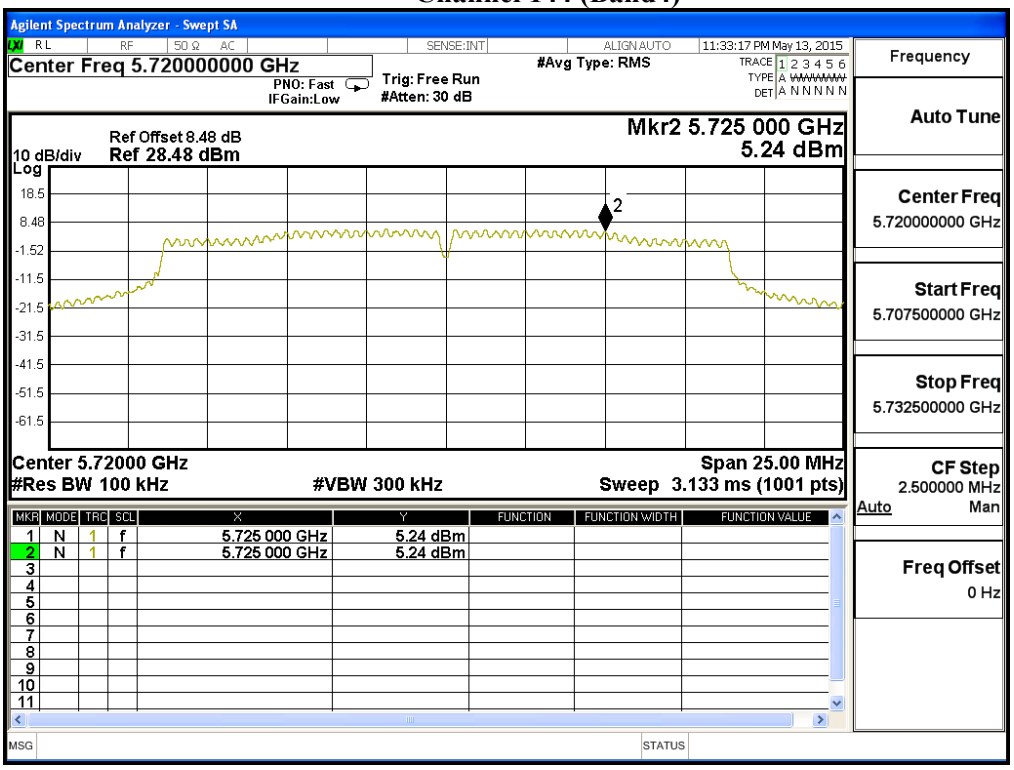
Channel Number	Frequency (MHz)	PPSD (dBm)	Duty Factor (dB)	Total PPSD (dBm)	Required Limit (dBm)	Result
144	5720(Band3)	8.170	0.110	8.280	<11	Pass
144	5720(Band4)	5.240	0.110	5.350	<30	Pass

Note: Total PPSD = PPSD value + Duty Factor

Channel 144 (Band3)



Channel 144 (Band4)

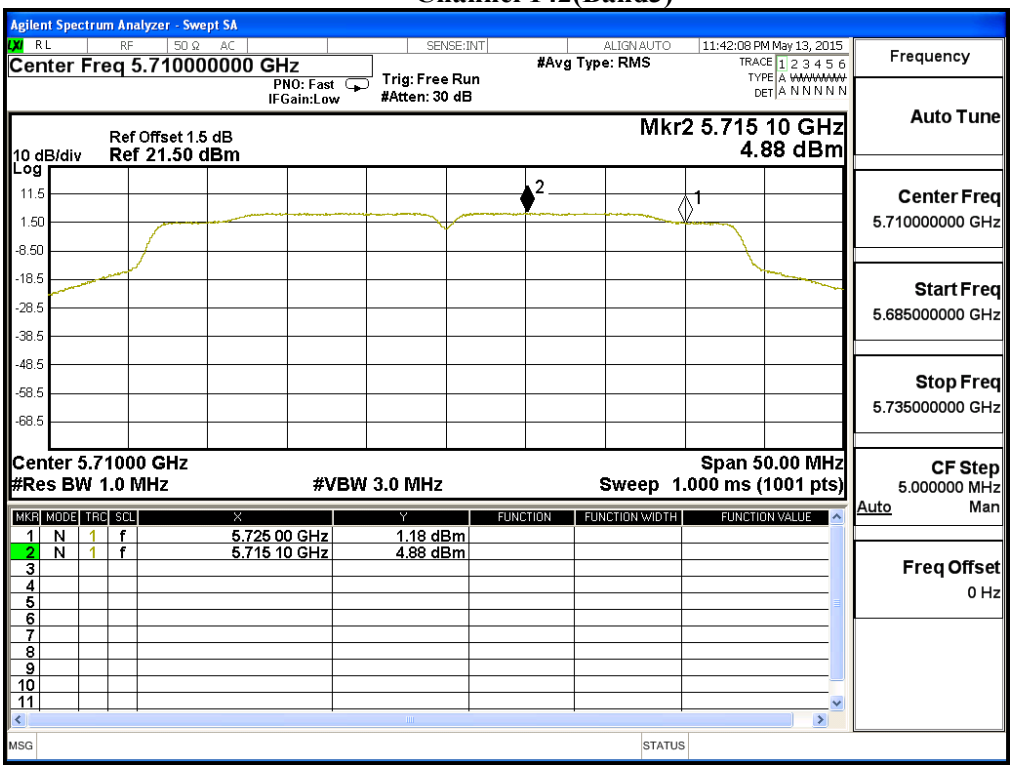


Product : Intel® Dual Band Wireless-AC 8260
Test Item : Peak Power Spectral Density
Test Site : No.3 OATS
Test Mode : Mode 2 SISO B: Transmit (802.11ac-40BW-15Mbps)

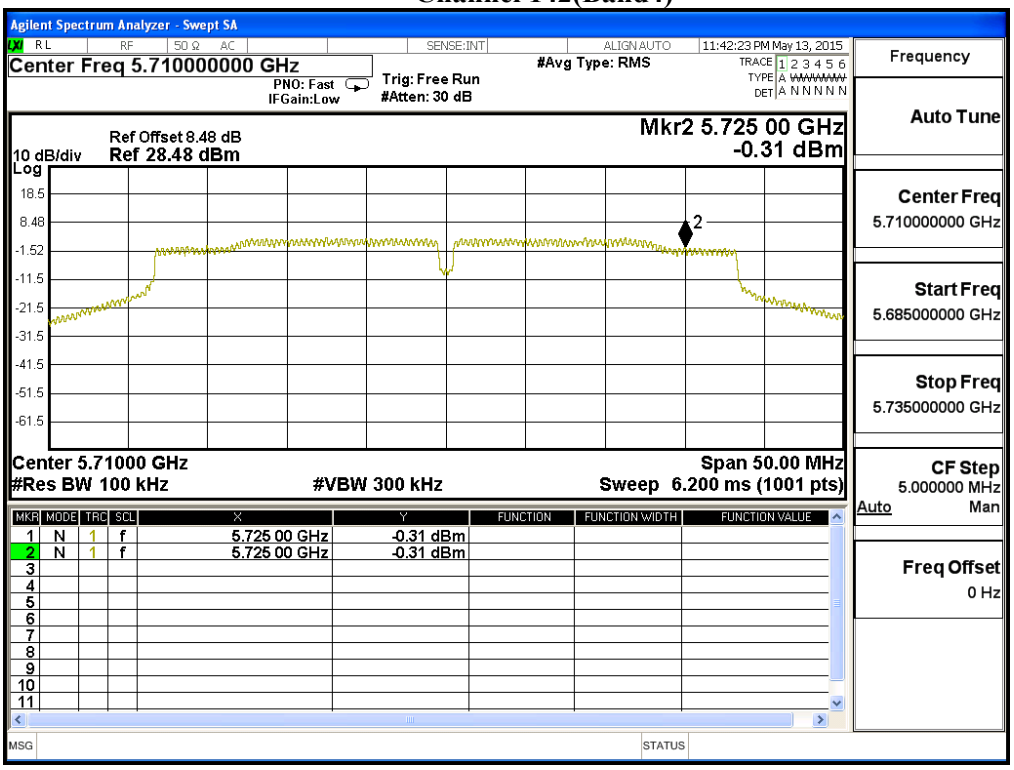
Channel Number	Frequency (MHz)	PPSD (dBm)	Duty Factor (dB)	Total PPSD (dBm)	Required Limit (dBm)	Result
142	5710(Band3)	4.880	0.315	5.195	<11	Pass
142	5710(Band4)	-0.310	0.315	0.005	<30	Pass

Note: Total PPSD = PPSD value + Duty Factor

Channel 142(Band3)



Channel 142(Band4)

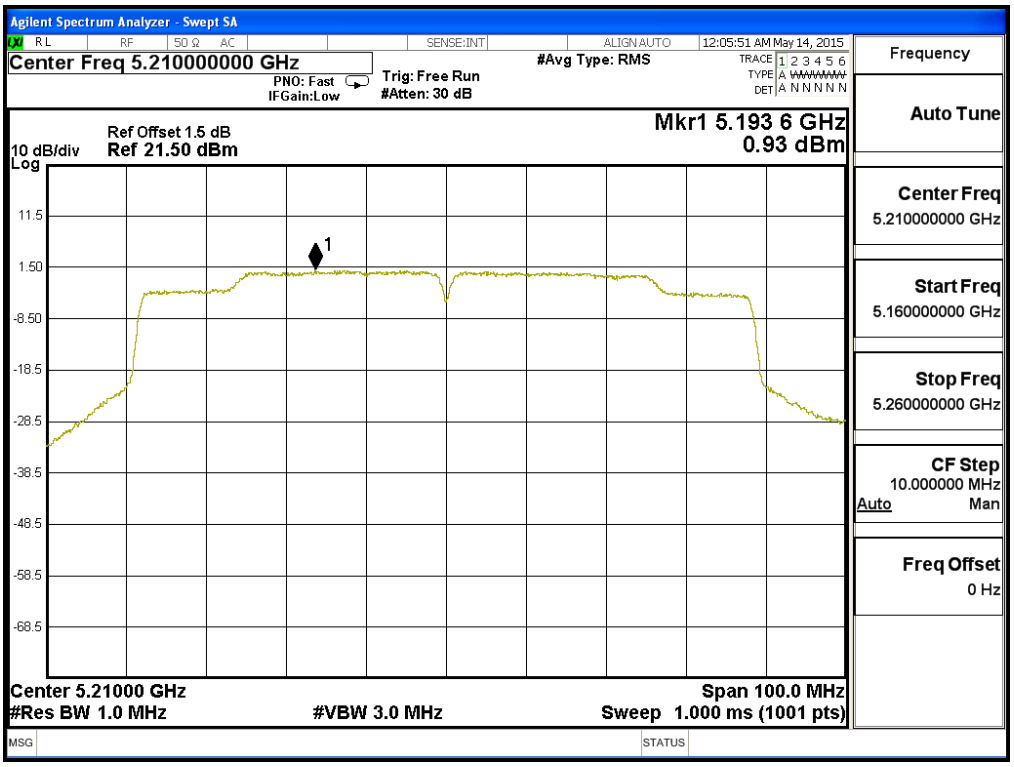


Product : Intel® Dual Band Wireless-AC 8260
Test Item : Peak Power Spectral Density
Test Site : No.3 OATS
Test Mode : Mode 2 SISO B: Transmit (802.11ac-80BW-32.5Mbps)

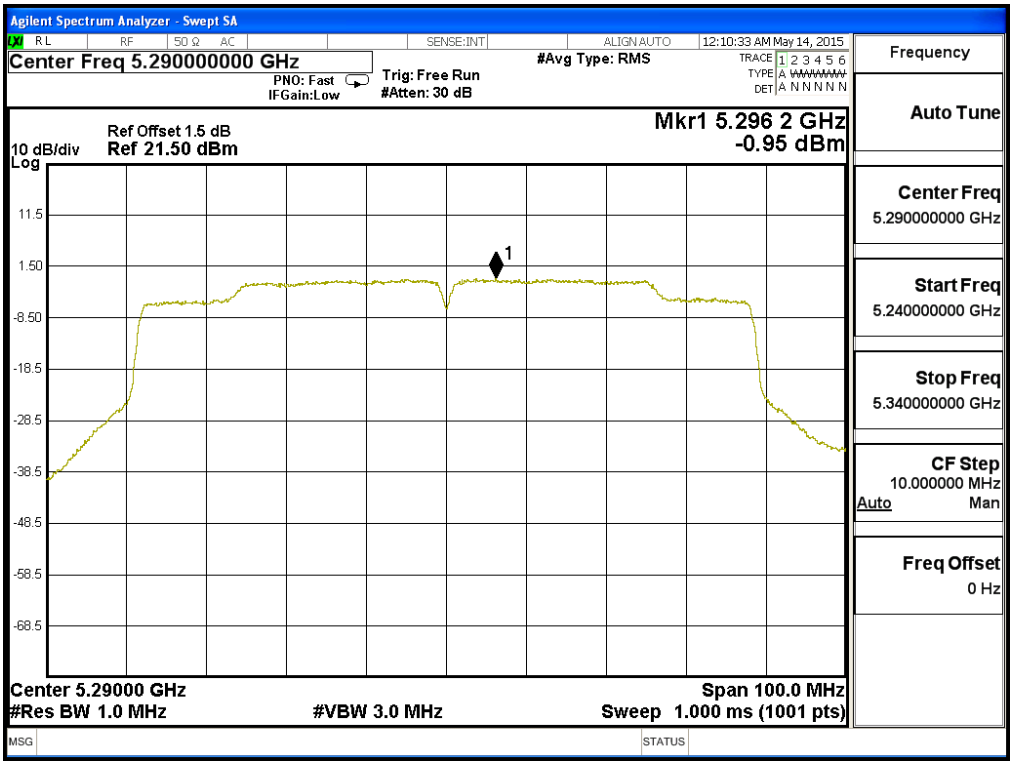
Channel Number	Frequency (MHz)	PPSD (dBm)	Duty Factor (dB)	Total PPSD (dBm)	Required Limit (dBm)	Result
42	5210	0.930	0.283	1.213	<11	Pass
58	5290	-0.950	0.283	-0.667	<11	Pass
106	5530	-1.930	0.283	-1.647	<11	Pass
122	5610	1.280	0.283	1.563	<11	Pass
138	5690 (Band3)	1.310	0.283	1.593	<11	Pass
138	5690 (Band4)	-4.590	0.283	-4.307	<30	Pass

Note: Total PPSD = PPSD value + Duty Factor

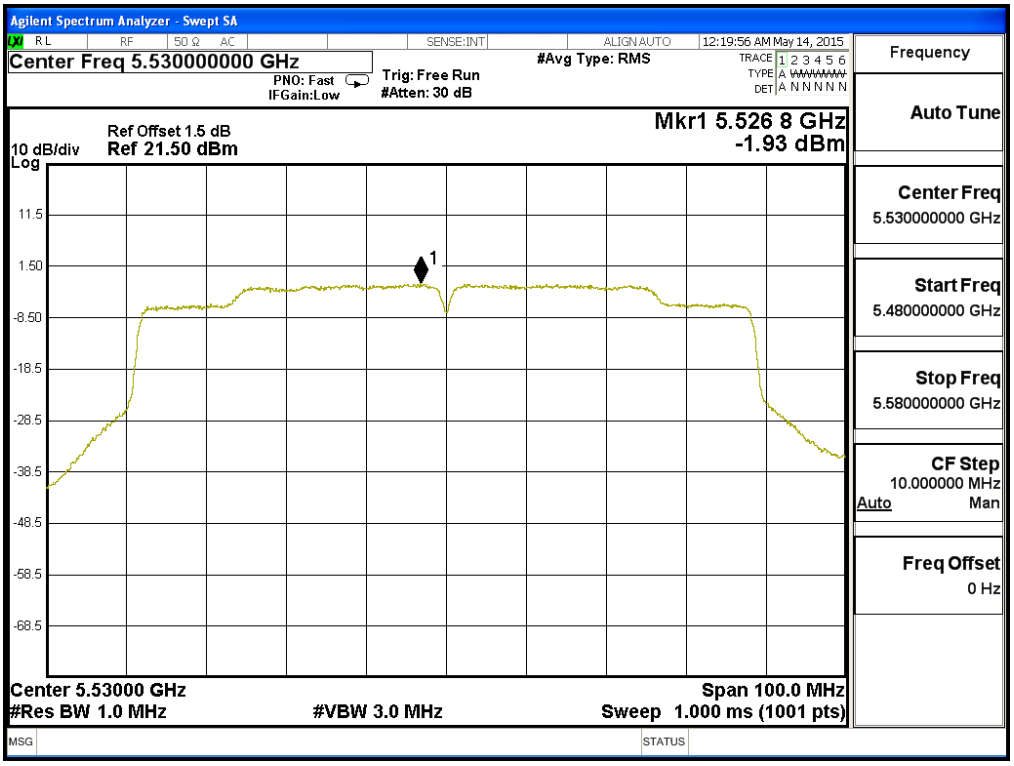
Channel 42



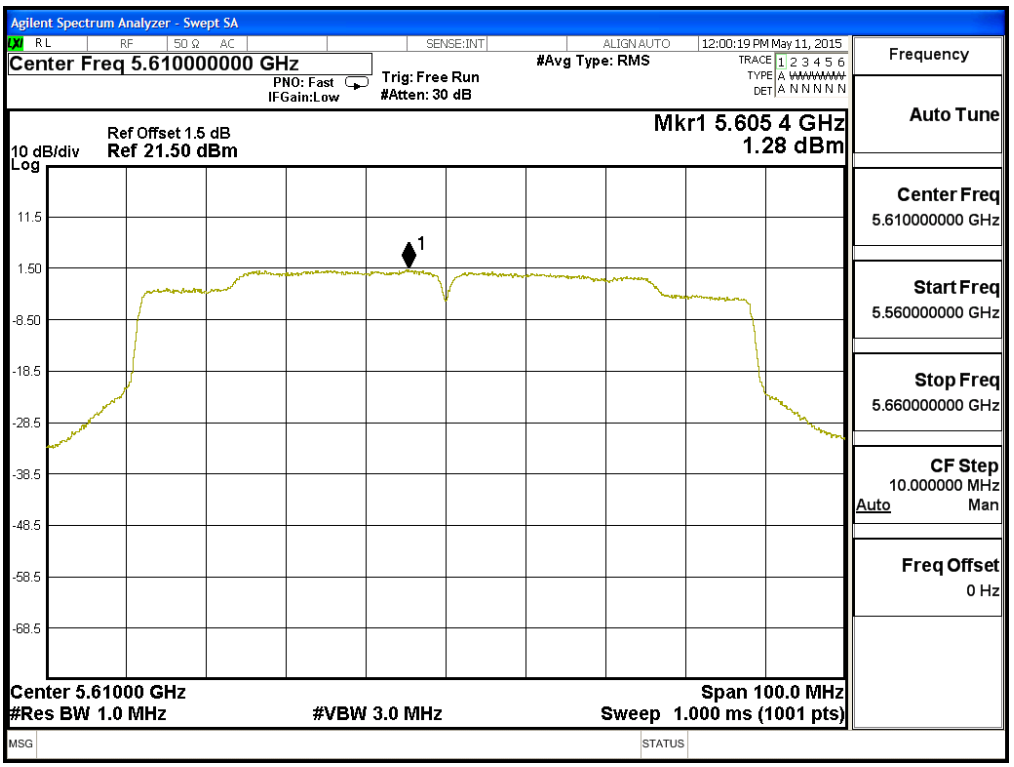
Channel 58



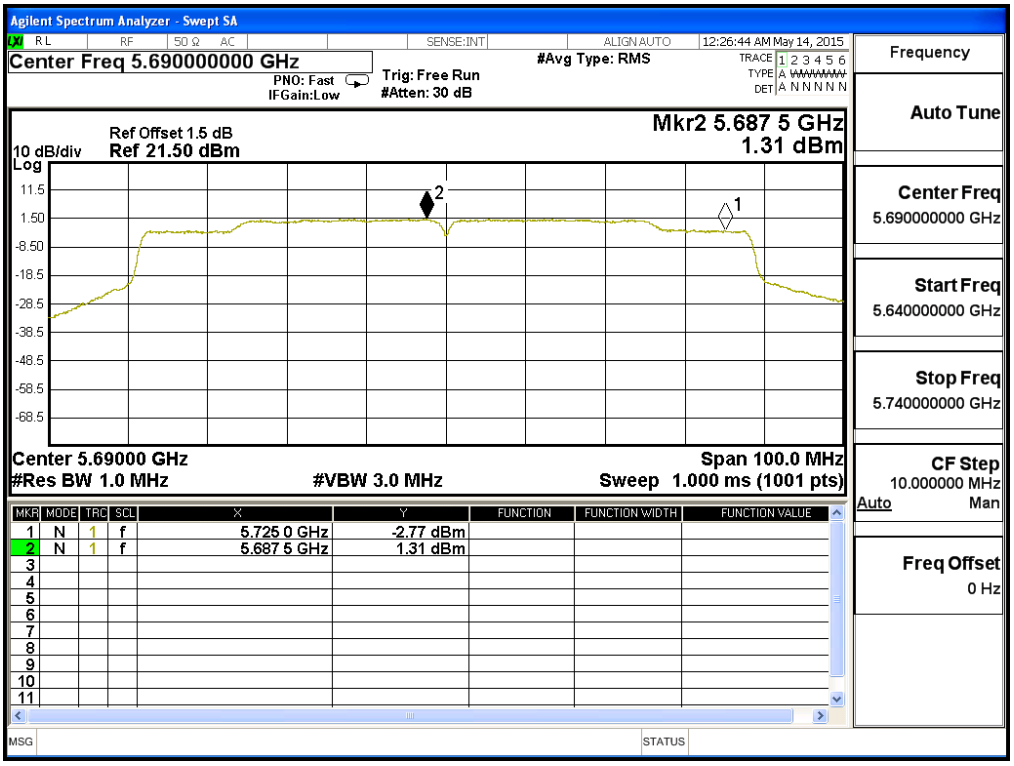
Channel 106



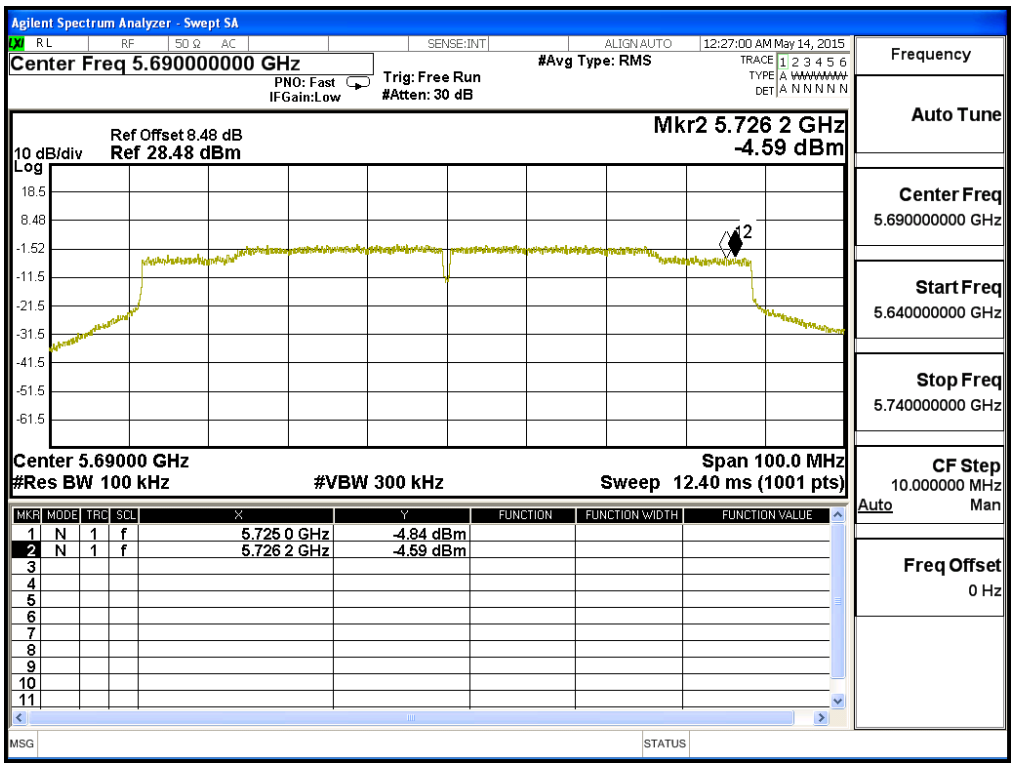
Channel 122



Channel 138 (Band3)



Channel 138 (Band4)



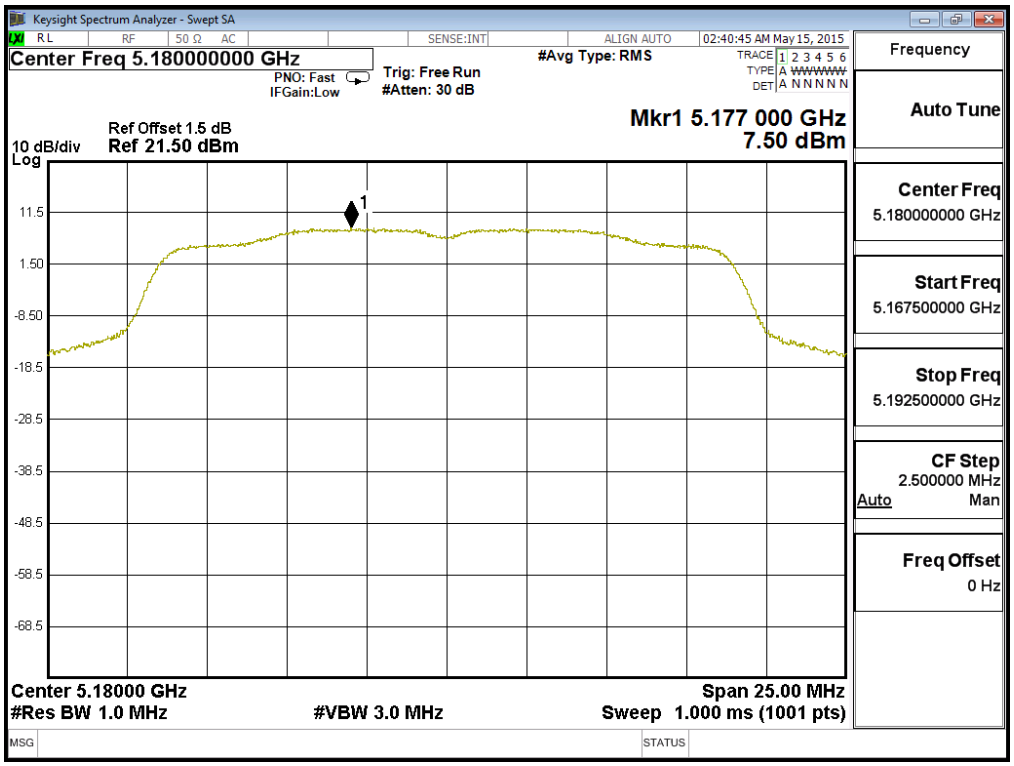
Product : Intel® Dual Band Wireless-AC 8260
Test Item : Peak Power Spectral Density
Test Site : No.3 OATS
Test Mode : Mode 3 MIMO: Transmit (802.11n-20BW 14.4Mbps)

Channel Number	Frequency (MHz)	Chain	PPSD (dBm)	Duty Factor (dB)	Total PPSD (dBm)	Required Limit (dBm)	Result
36	5180	A	7.501	0.088	10.599	<11	Pass
		B	7.648	0.088	10.746	<11	Pass
44	5220	A	7.264	0.088	10.362	<11	Pass
		B	7.141	0.088	10.239	<11	Pass
48	5240	A	7.092	0.088	10.190	<11	Pass
		B	7.659	0.088	10.757	<11	Pass
52	5260	A	7.440	0.088	10.538	<11	Pass
		B	7.680	0.088	10.778	<11	Pass
60	5300	A	7.525	0.088	10.623	<11	Pass
		B	7.725	0.088	10.823	<11	Pass
64	5320	A	7.948	0.088	11.046	<11	Pass
		B	6.885	0.088	9.983	<11	Pass
100	5500	A	6.230	0.088	9.328	<11	Pass
		B	7.139	0.088	10.237	<11	Pass
116	5580	A	7.970	0.088	11.068	<11	Pass
		B	7.840	0.088	10.938	<11	Pass
140	5700	A	4.795	0.088	7.893	<11	Pass
		B	4.581	0.088	7.679	<11	Pass

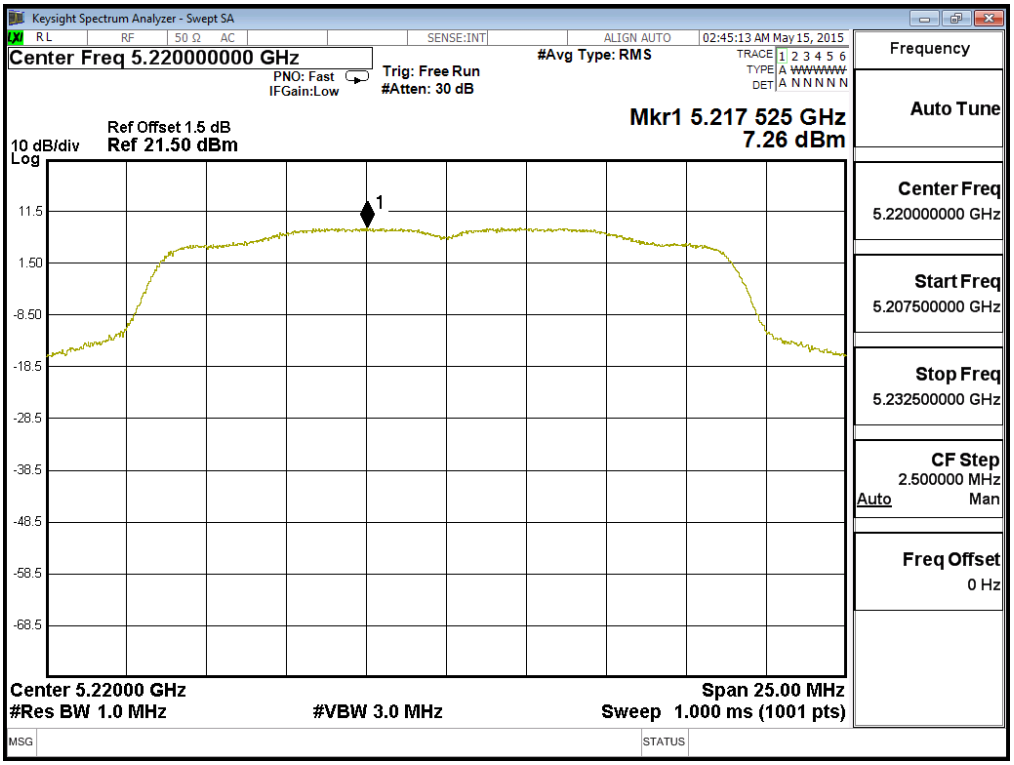
Note:

1. The quantity 10*log 2 (two antennas) is added to the spectrum peak value according to document 662911 D01.
2. Total PPSD = PPSD value + Duty Factor + 10*log 2.

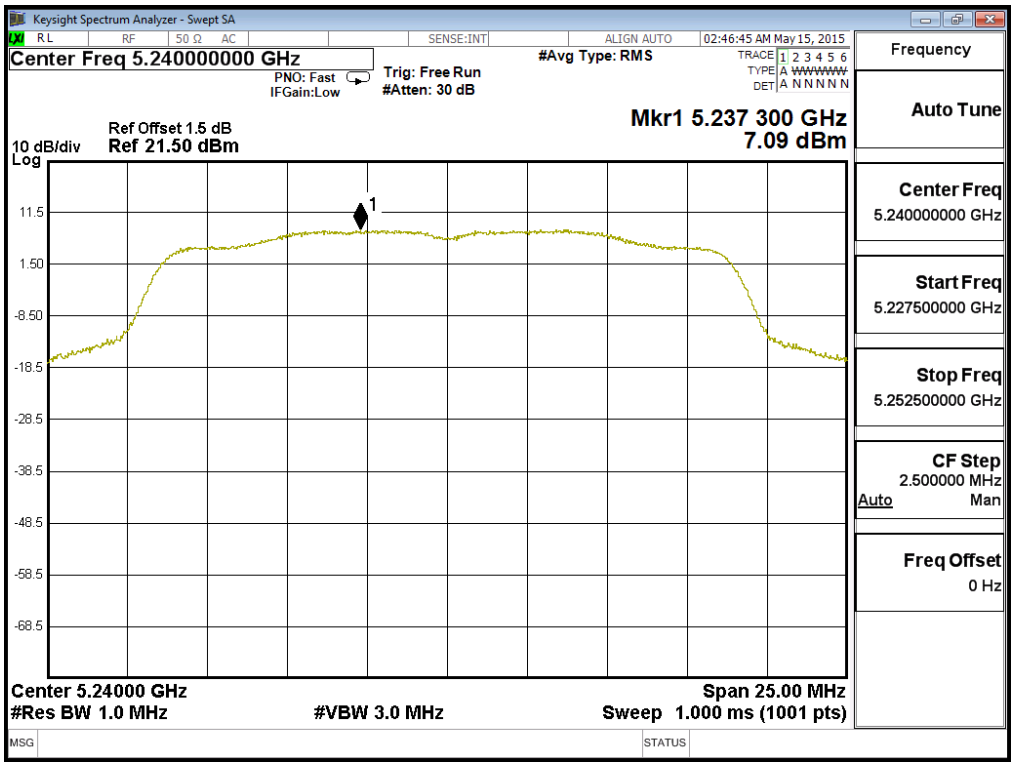
Channel 36 – Chain A



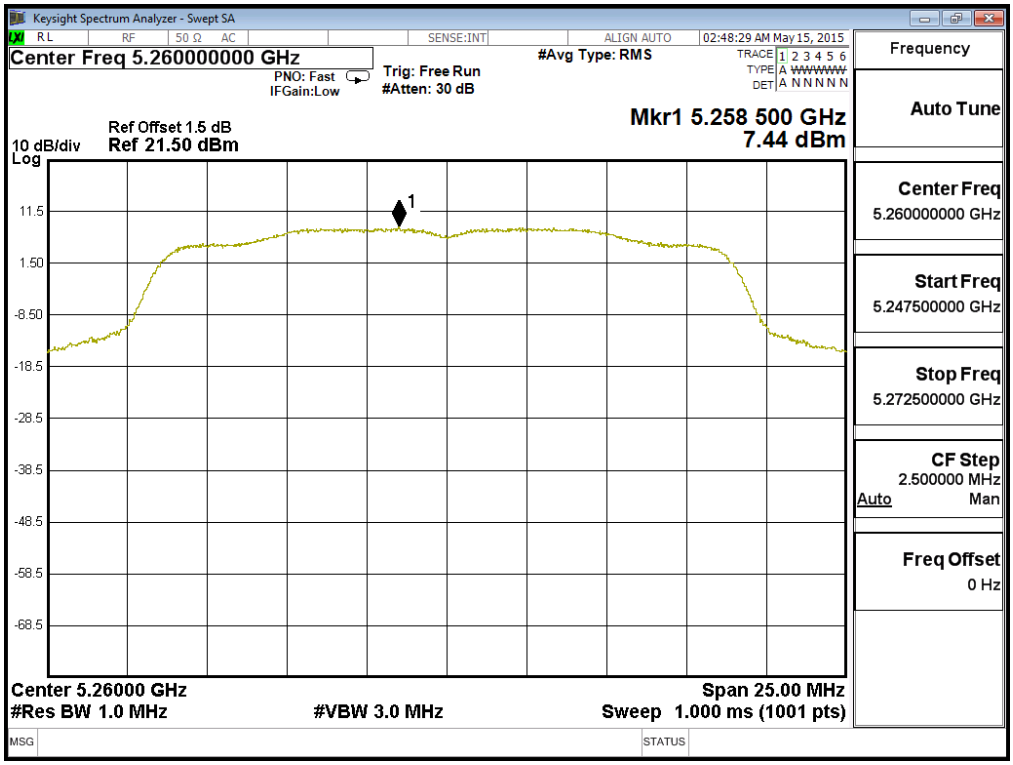
Channel 44 – Chain A



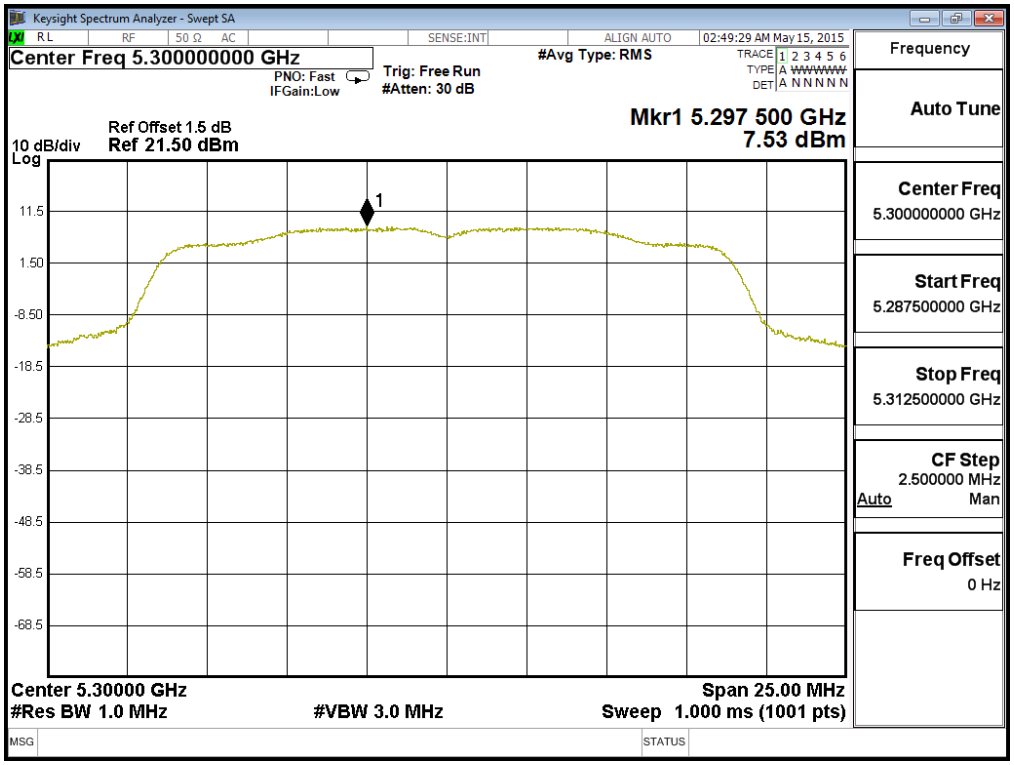
Channel 48 – Chain A



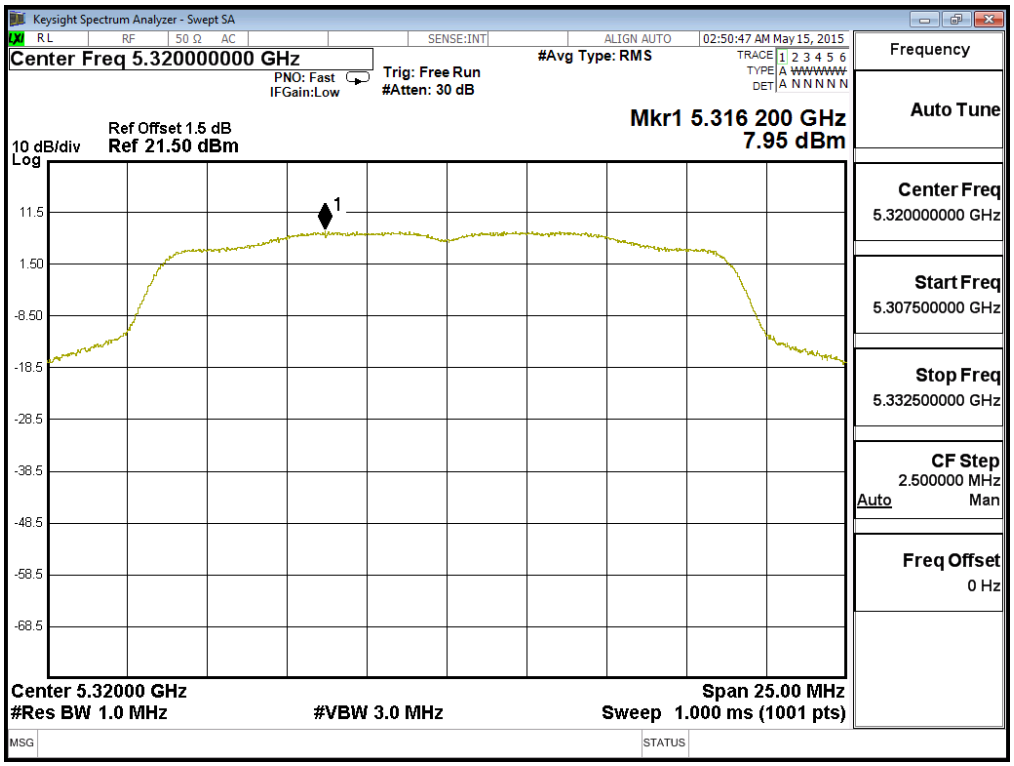
Channel 52 – Chain A



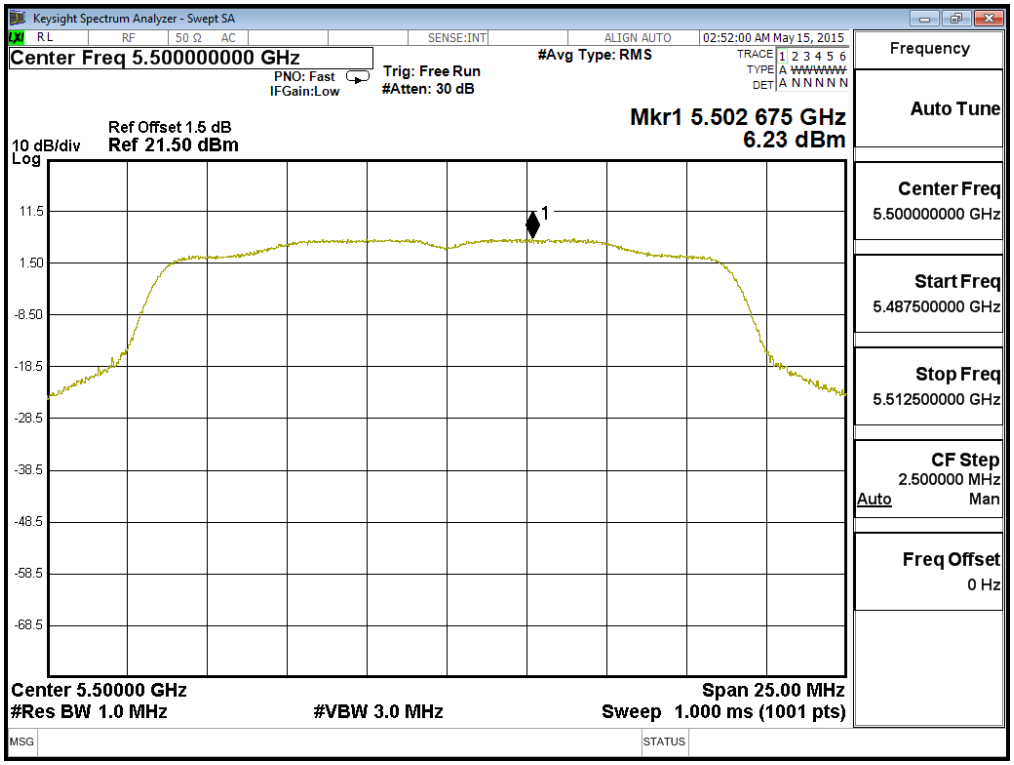
Channel 60 – Chain A



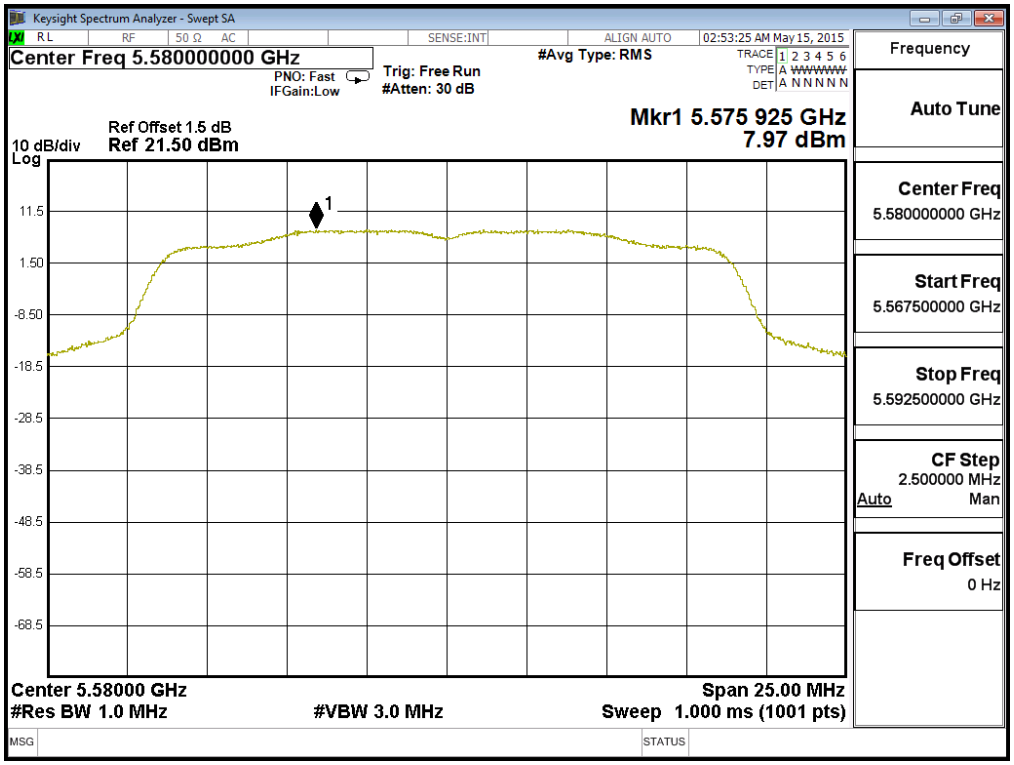
Channel 64 – Chain A



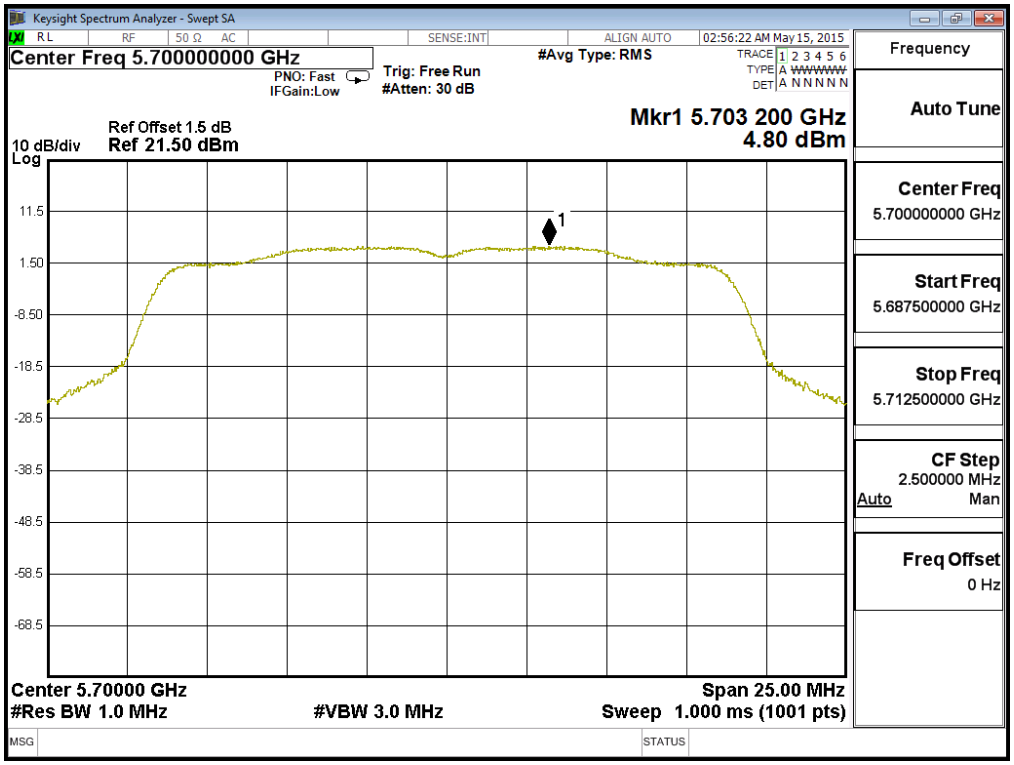
Channel 100 – Chain A



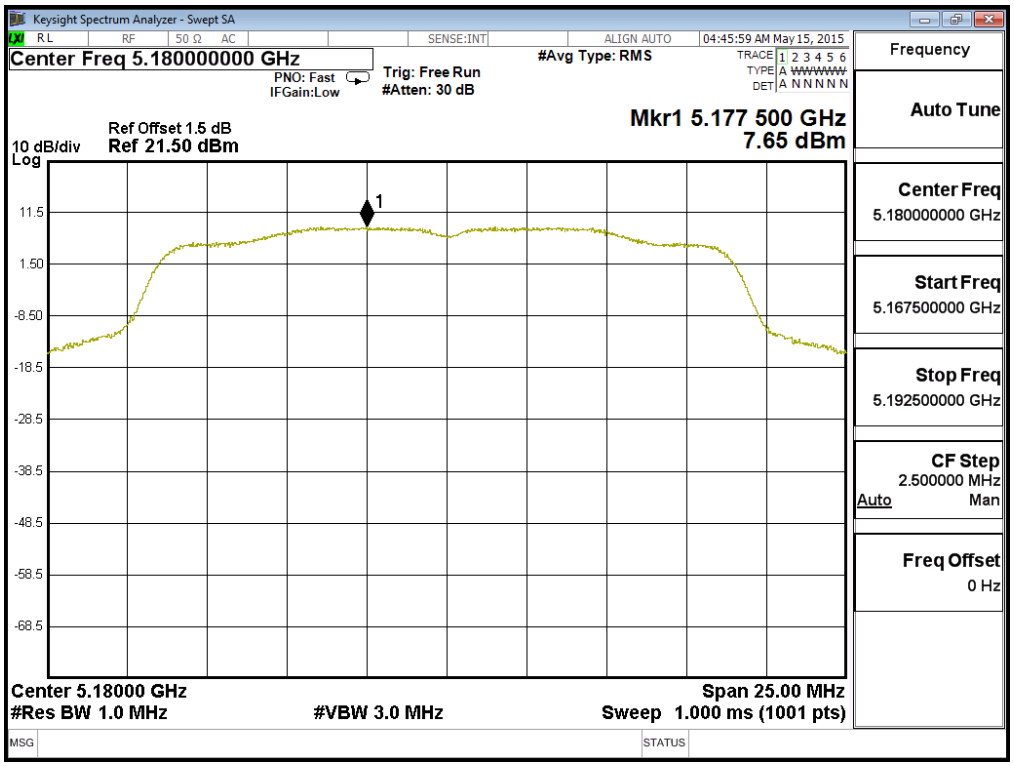
Channel 116 – Chain A



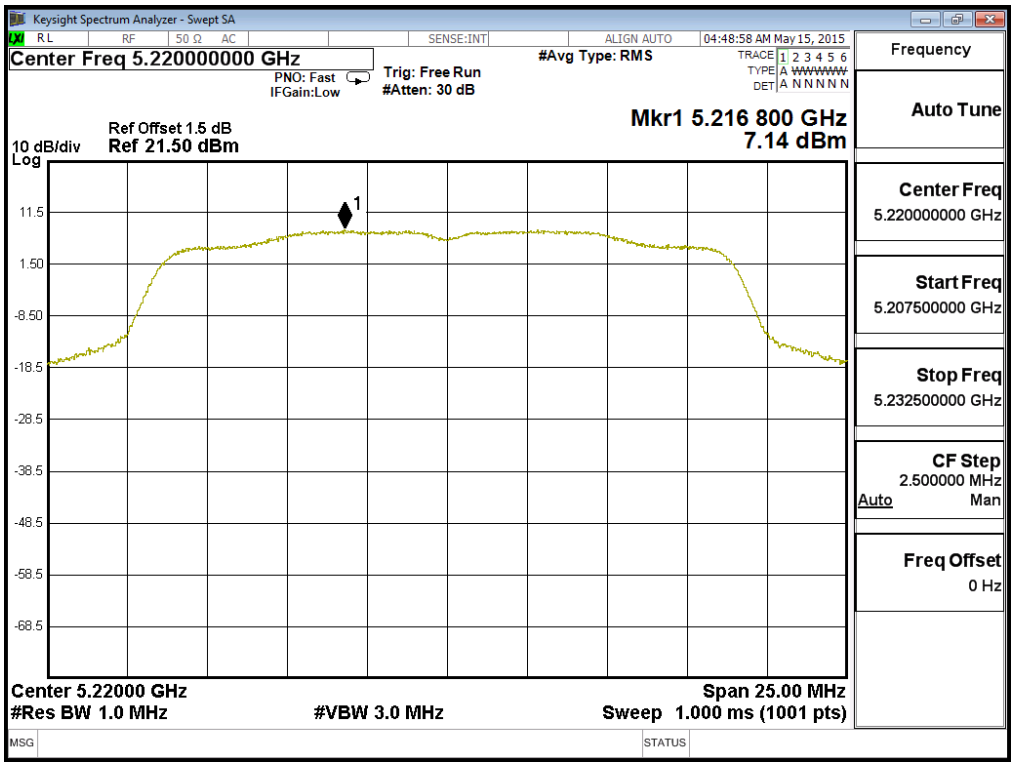
Channel 140 – Chain A



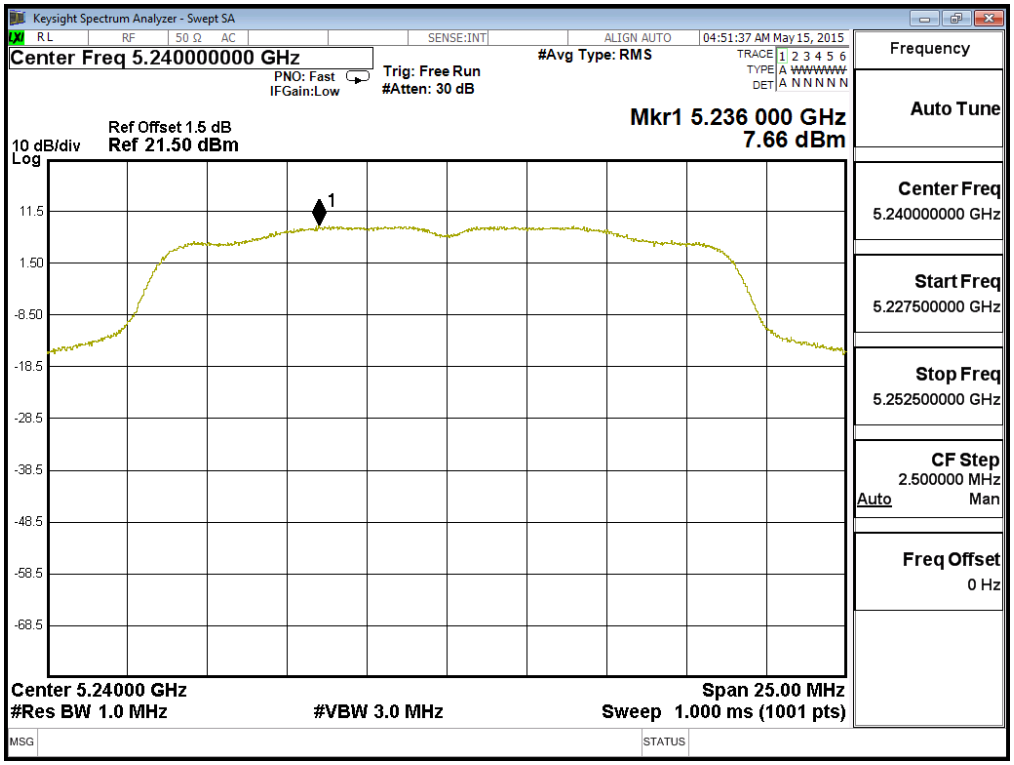
Channel 36 – Chain B



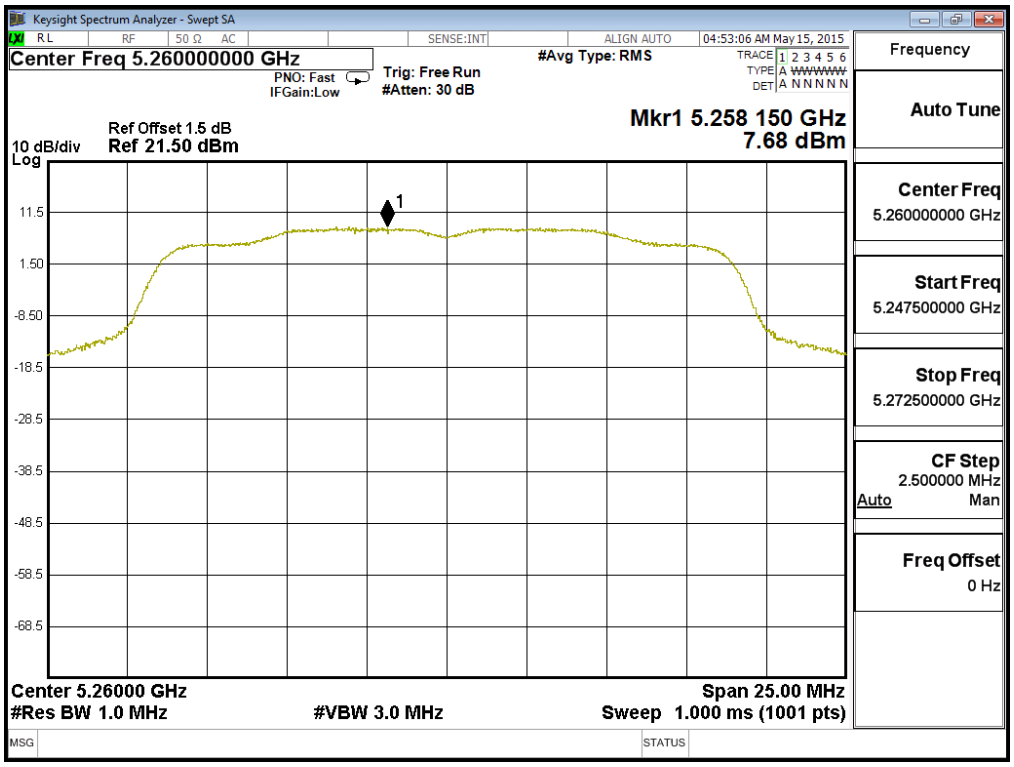
Channel 44 – Chain B



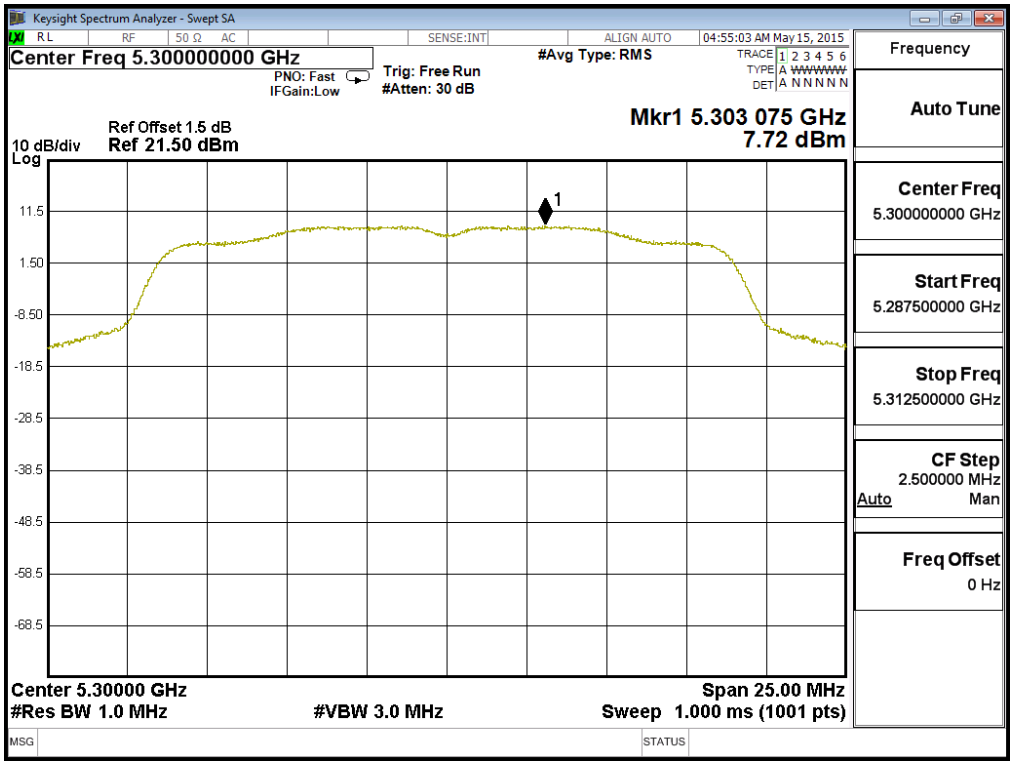
Channel 48 – Chain B



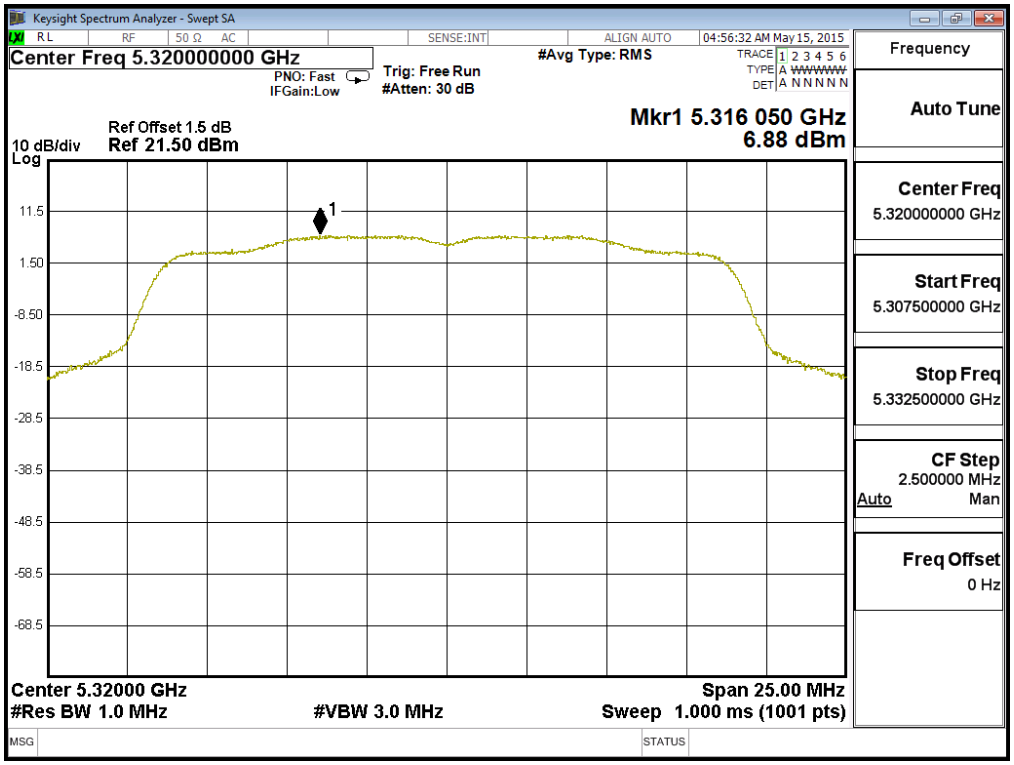
Channel 52 – Chain B



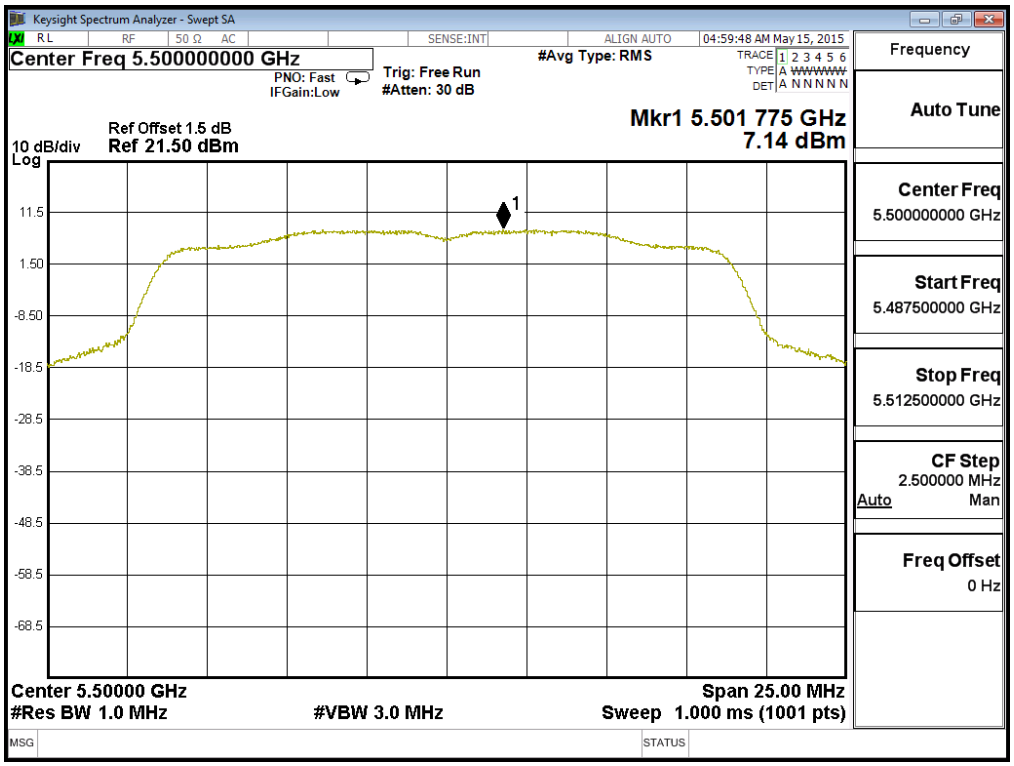
Channel 60 – Chain B



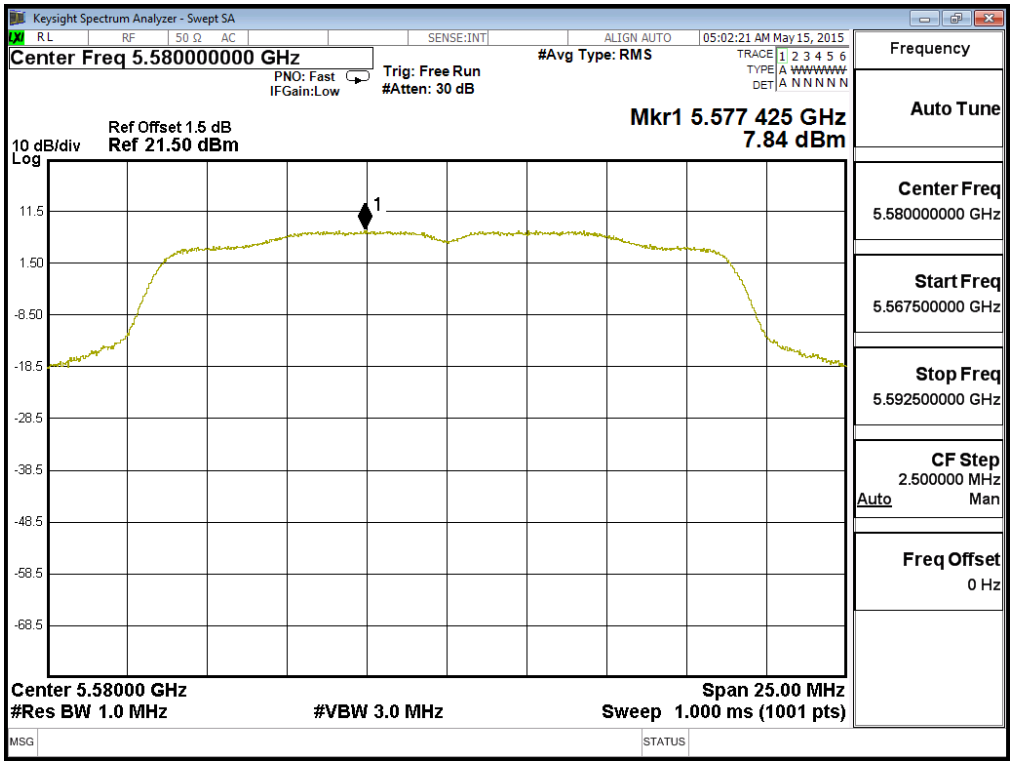
Channel 64 – Chain B



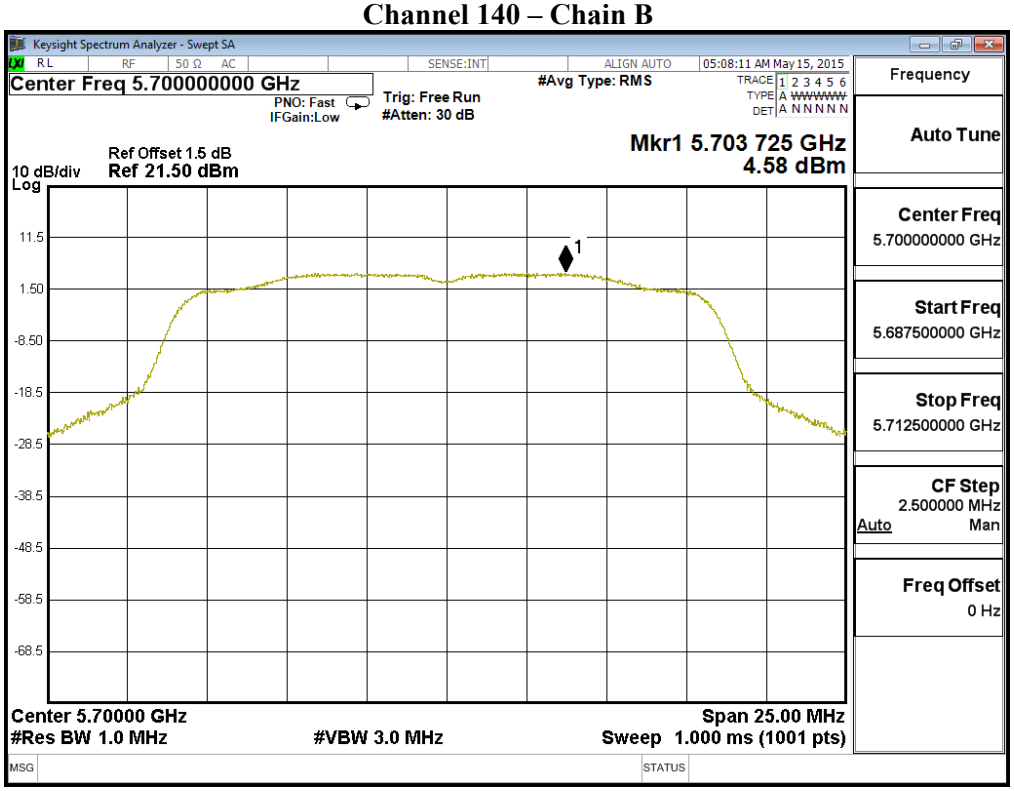
Channel 100 – Chain B



Channel 116 – Chain B



Channel 140 – Chain B



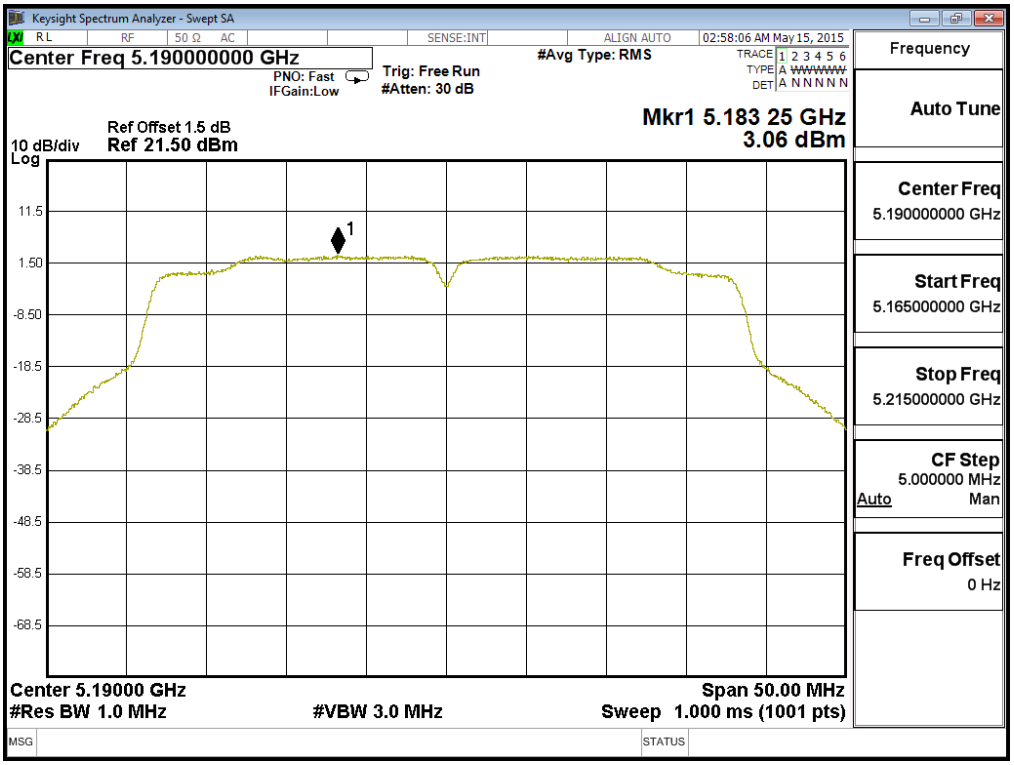
Product : Intel® Dual Band Wireless-AC 8260
Test Item : Peak Power Spectral Density
Test Site : No.3 OATS
Test Mode : Mode 3 MIMO: Transmit (802.11n-40BW 30Mbps)

Channel Number	Frequency (MHz)	Chain	PPSD (dBm)	Duty Factor (dB)	Total PPSD (dBm)	Required Limit (dBm)	Result
38	5190	A	3.057	0.150	6.217	<11	Pass
		B	3.259	0.150	6.419	<11	Pass
46	5230	A	4.564	0.150	7.724	<11	Pass
		B	4.788	0.150	7.948	<11	Pass
54	5270	A	4.462	0.150	7.622	<11	Pass
		B	4.516	0.150	7.676	<11	Pass
62	5310	A	1.479	0.150	4.639	<11	Pass
		B	1.186	0.150	4.346	<11	Pass
102	5510	A	4.319	0.150	7.479	<11	Pass
		B	4.286	0.150	7.446	<11	Pass
110	5550	A	5.000	0.150	8.160	<11	Pass
		B	4.610	0.150	7.770	<11	Pass
134	5670	A	4.525	0.150	7.685	<11	Pass
		B	4.296	0.150	7.456	<11	Pass

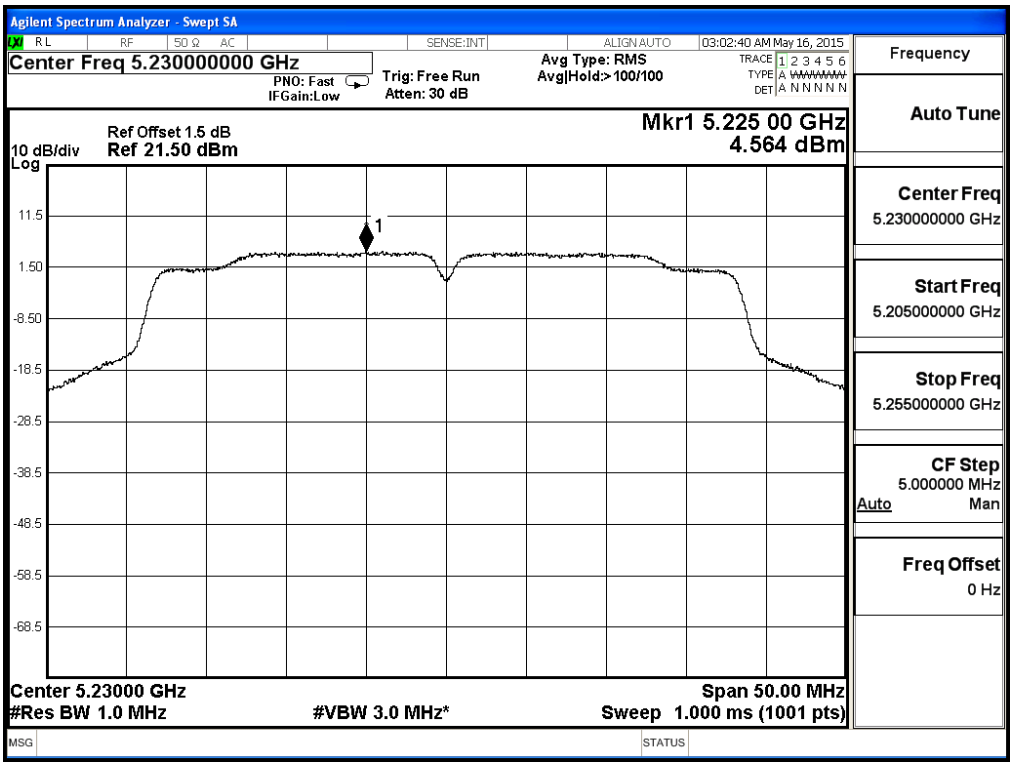
Note:

1. The quantity 10*log 2 (two antennas) is added to the spectrum peak value according to document 662911 D01.
2. Total PPSD = PPSD value + Duty Factor + 10*log 2.

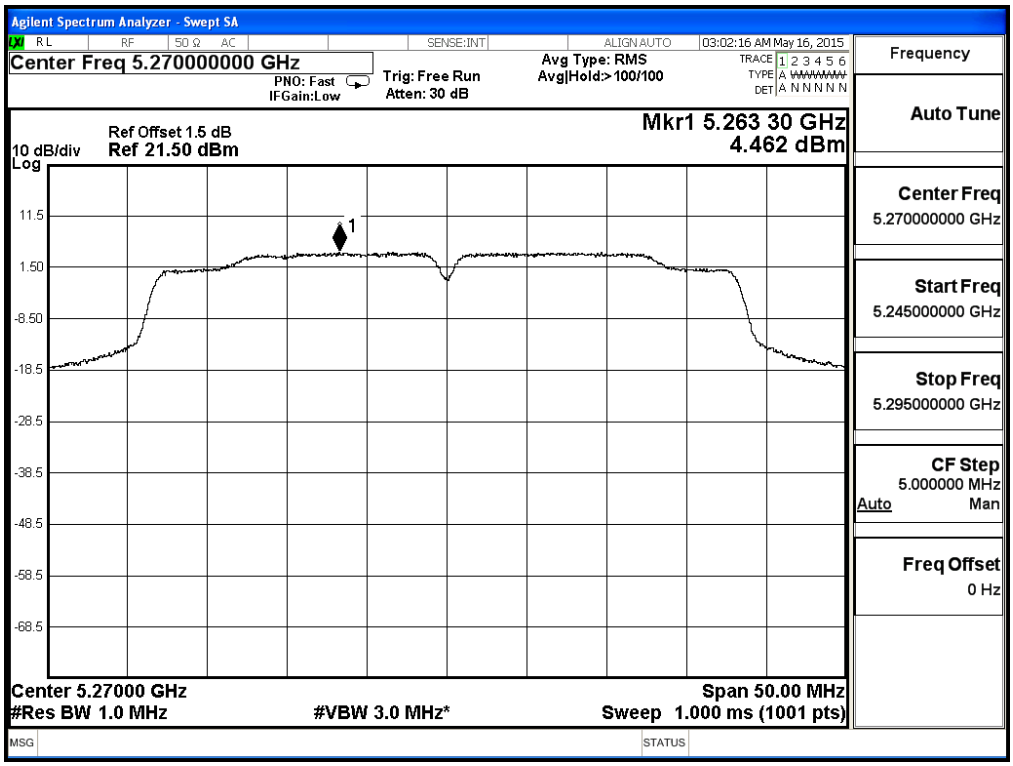
Channel 38 – Chain A



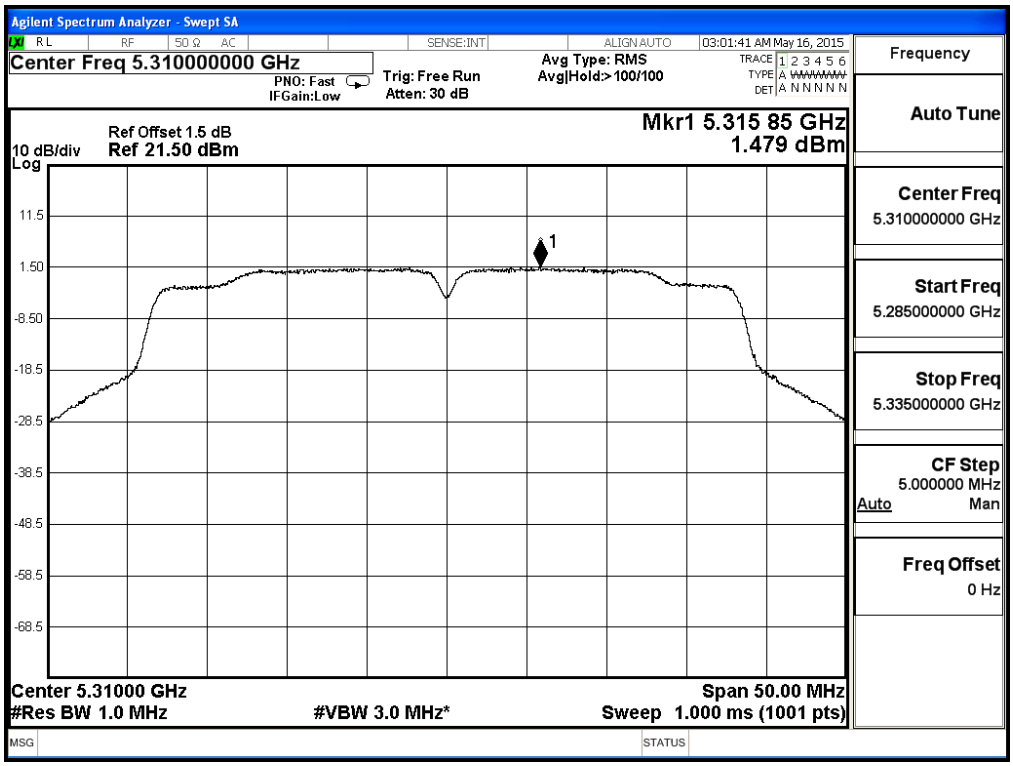
Channel 46 – Chain A



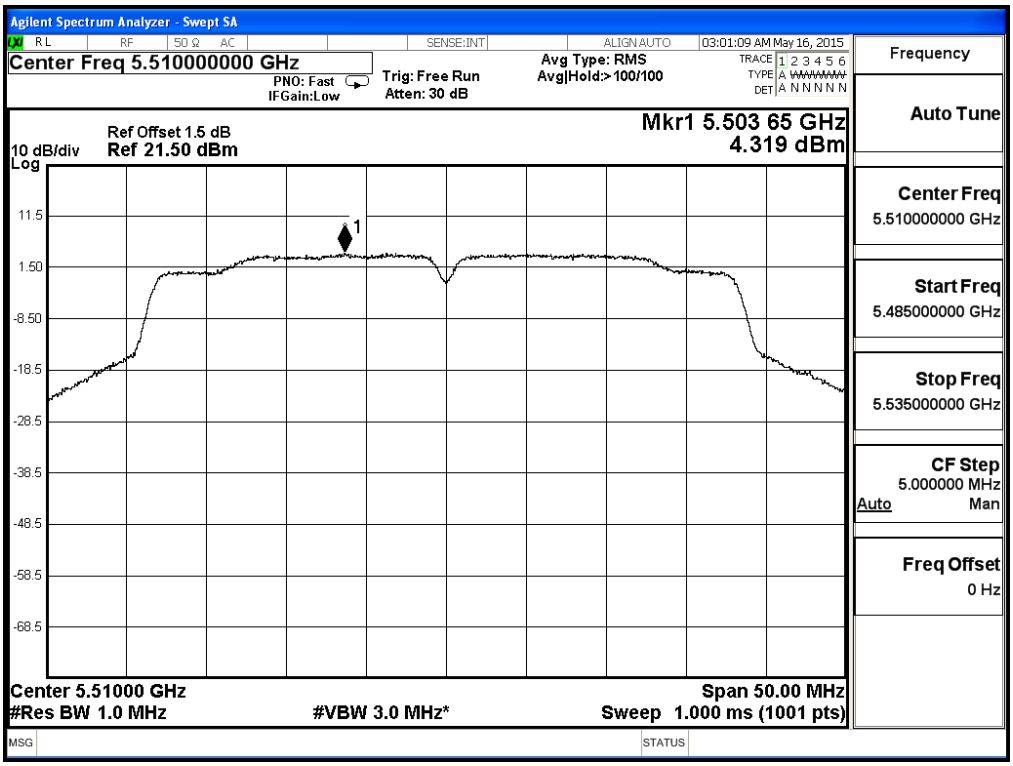
Channel 54 – Chain A



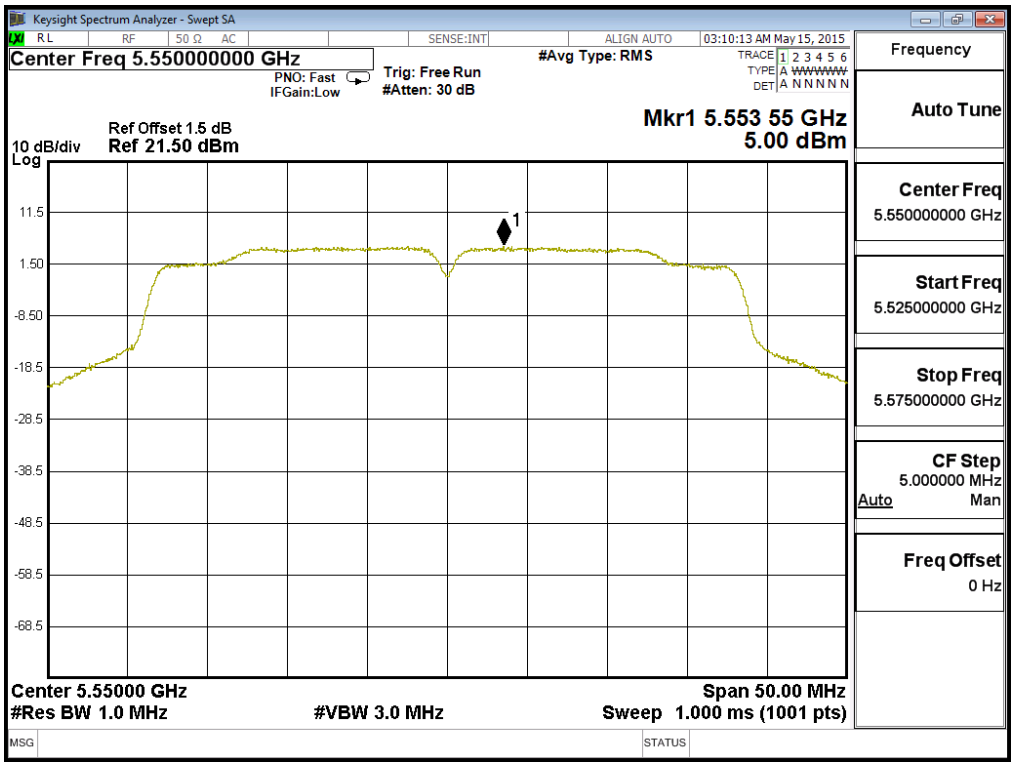
Channel 62 – Chain A



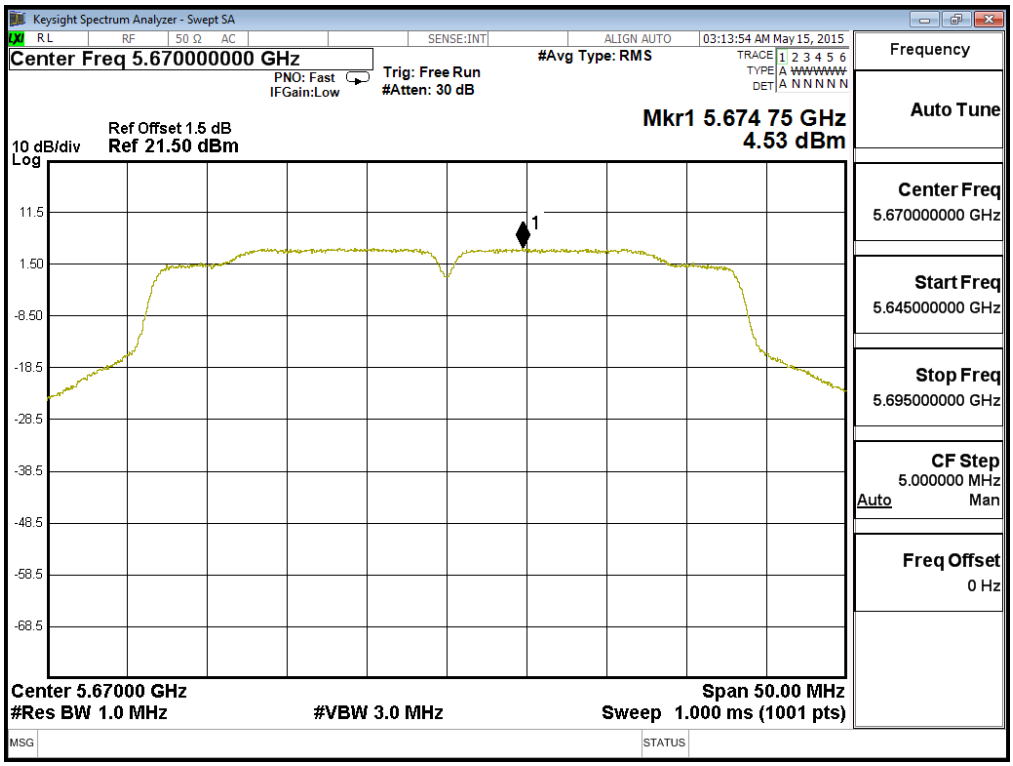
Channel 102 – Chain A



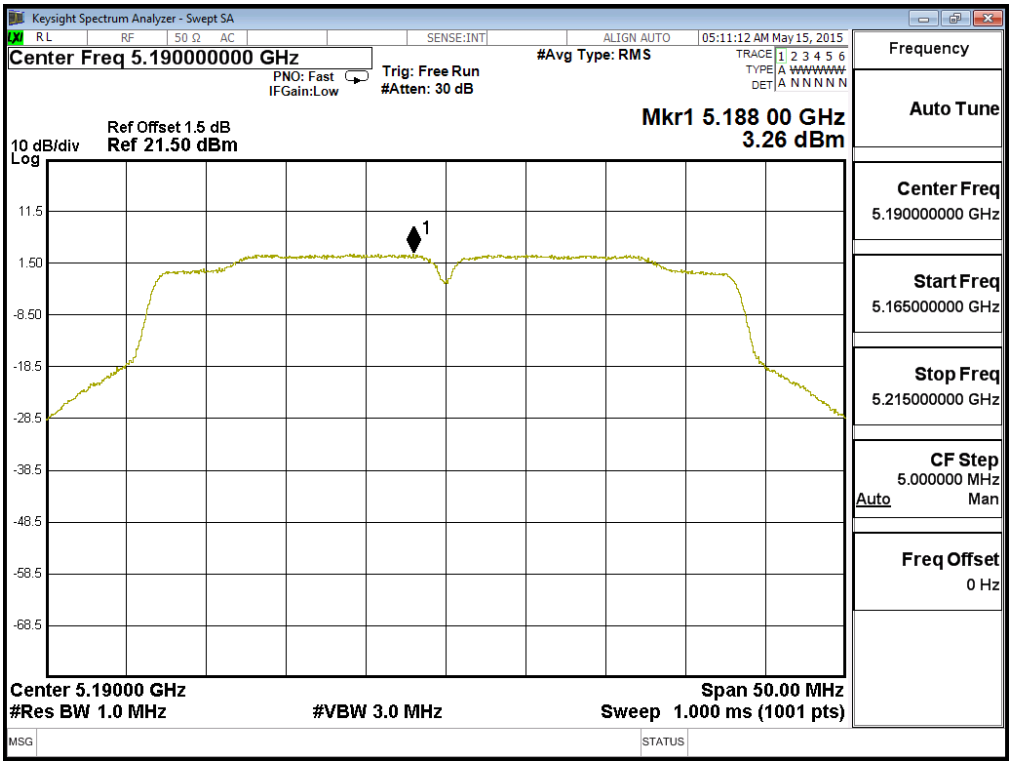
Channel 110 – Chain A



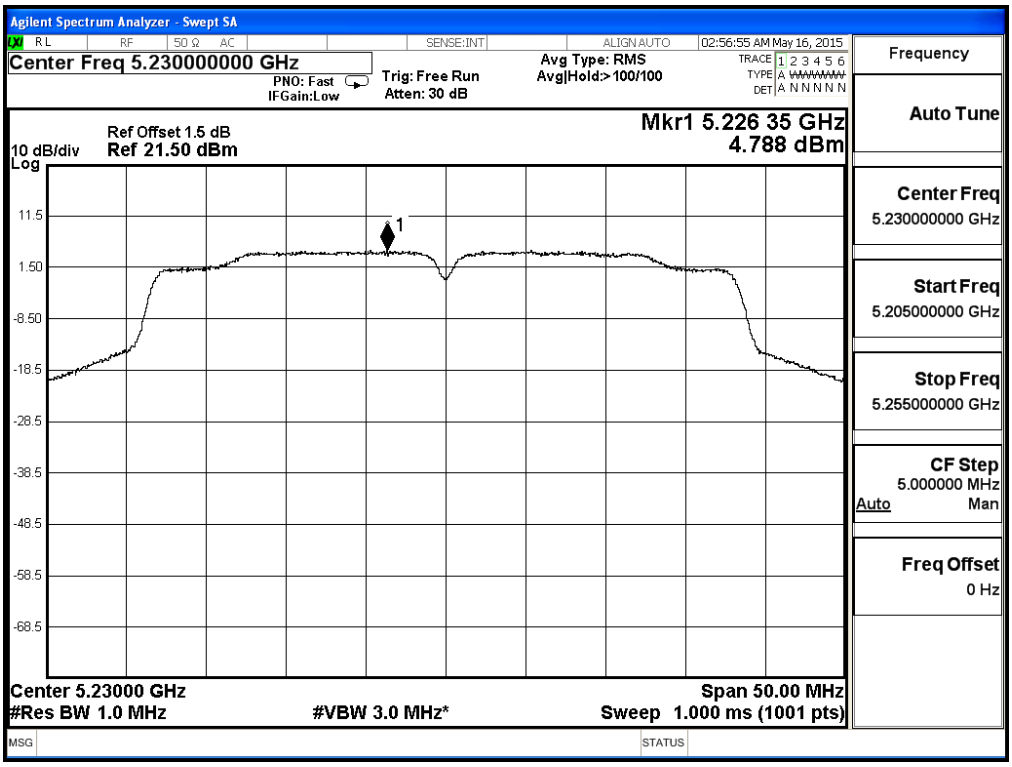
Channel 134 – Chain A



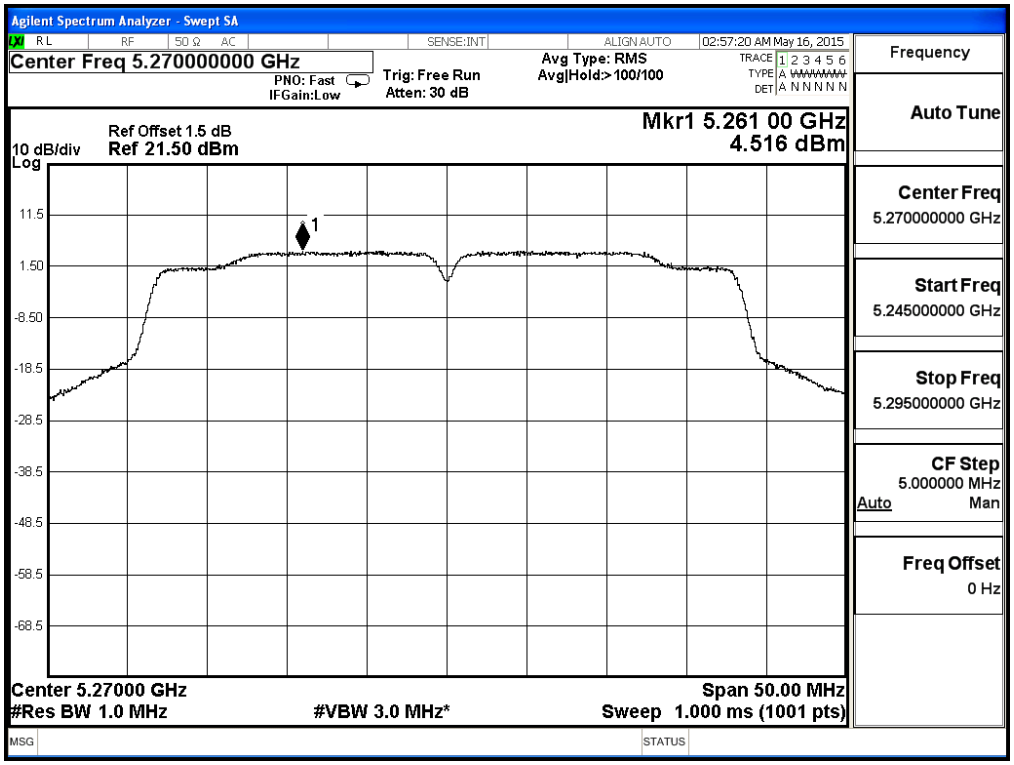
Channel 38 – Chain B



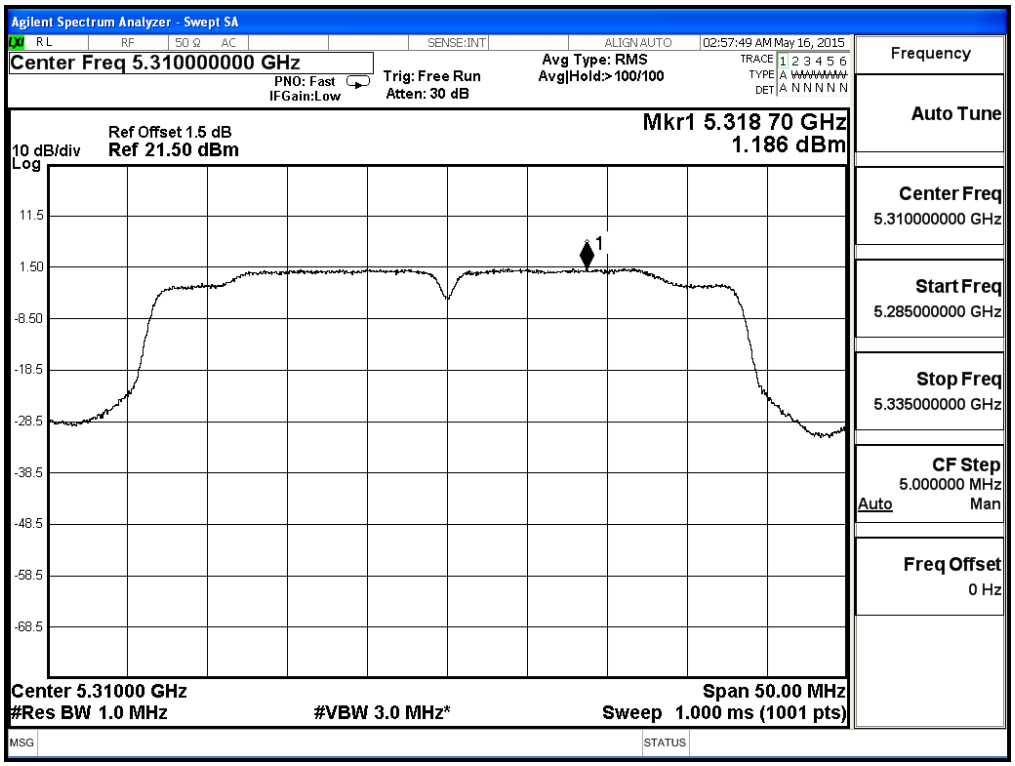
Channel 46 – Chain B



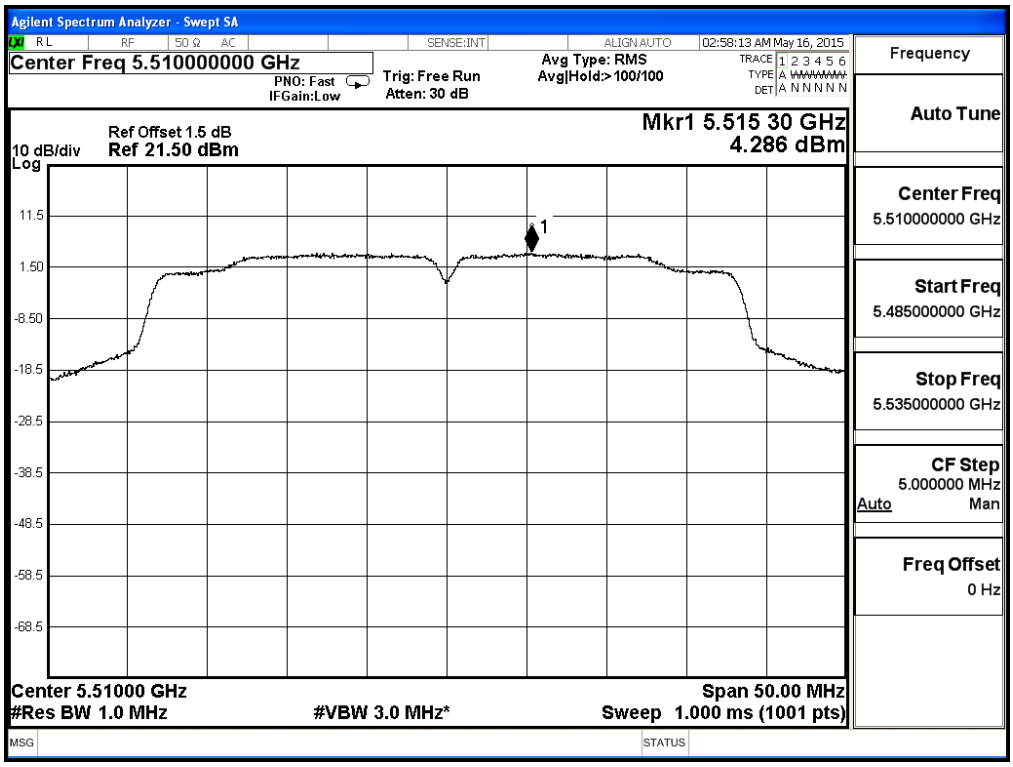
Channel 54 – Chain B



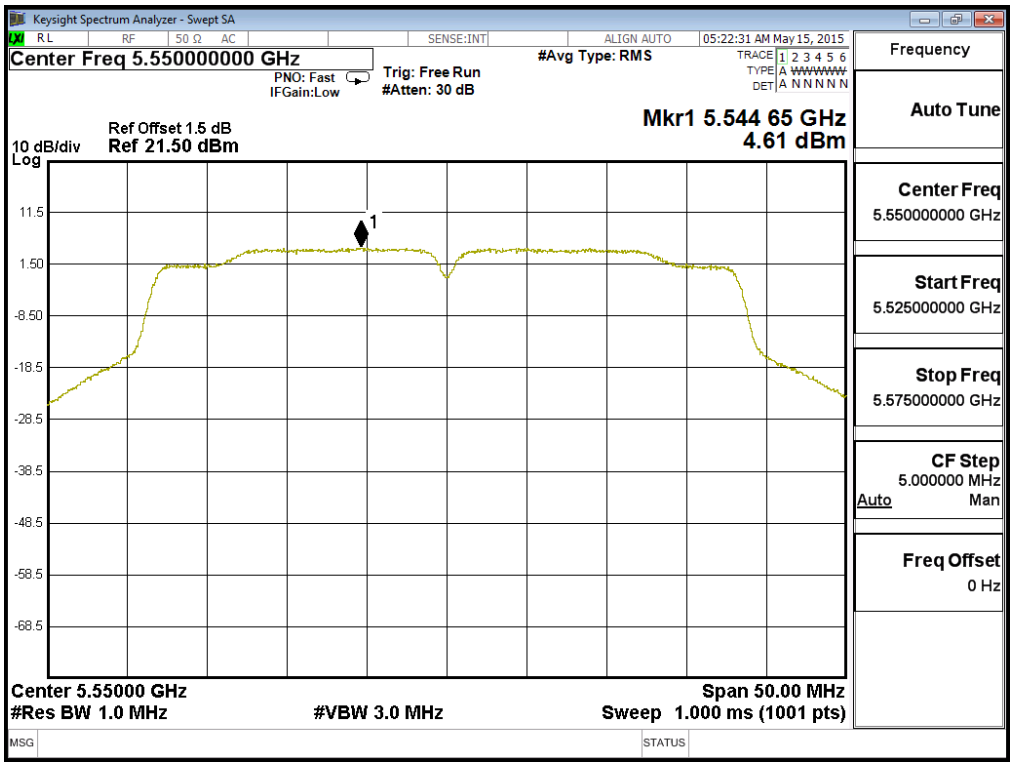
Channel 62 – Chain B



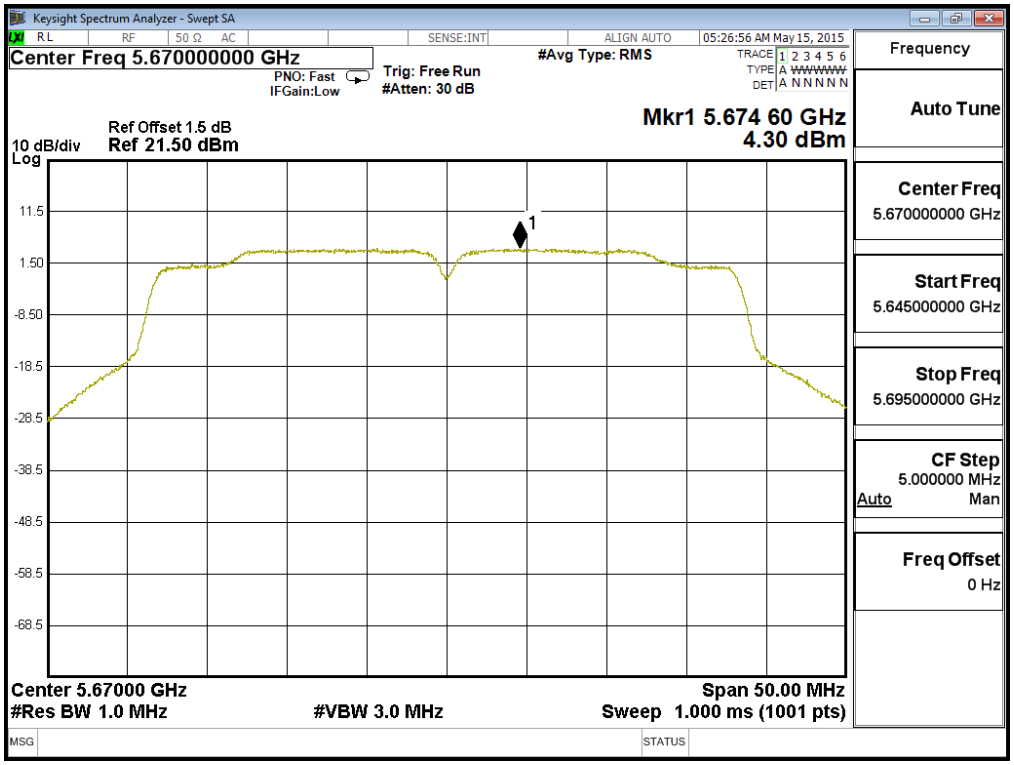
Channel 102 – Chain B



Channel 110 – Chain B



Channel 134 – Chain B



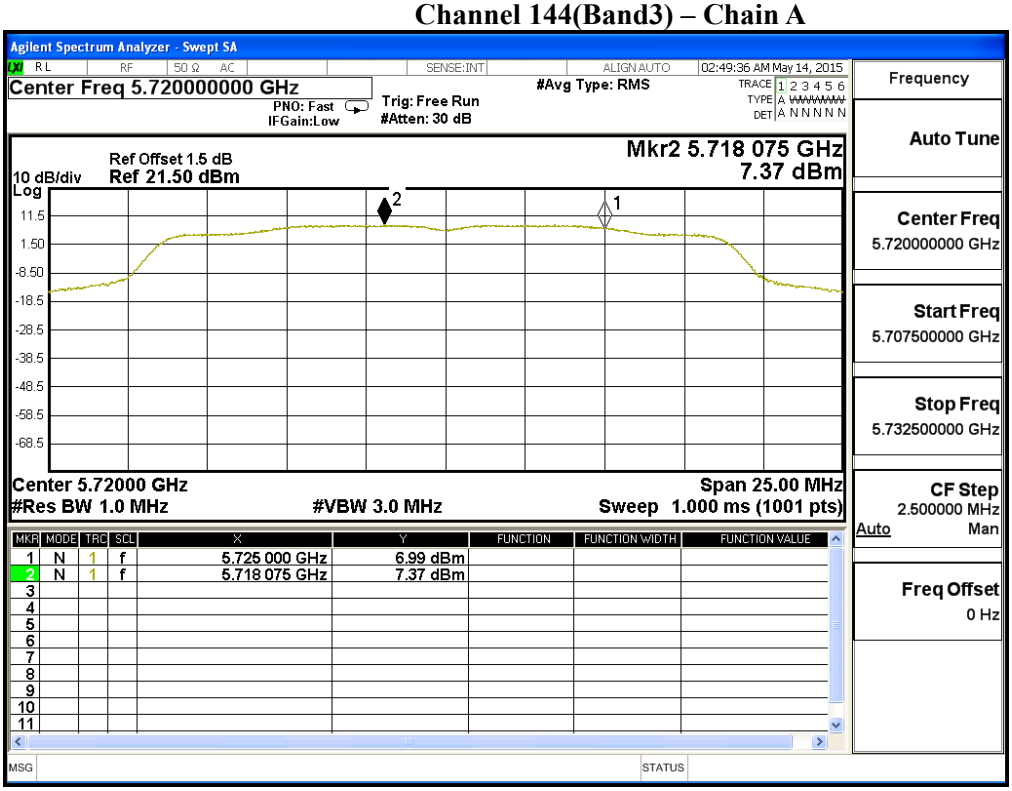
Product : Intel® Dual Band Wireless-AC 8260
Test Item : Peak Power Spectral Density
Test Site : No.3 OATS
Test Mode : Mode 3 MIMO: Transmit (802.11ac-20BW-7.2Mbps)

Channel Number	Frequency (MHz)	Chain	PPSD (dBm)	Duty Factor (dB)	Total PPSD (dBm)	Required Limit (dBm)	Result
144	5720(Band3)	A	7.370	0.110	10.490	<11	Pass
		B	7.930	0.110	11.050	<11	Pass
144	5720(Band4)	A	5.190	0.110	8.310	<30	Pass
		B	5.360	0.110	8.480	<30	Pass

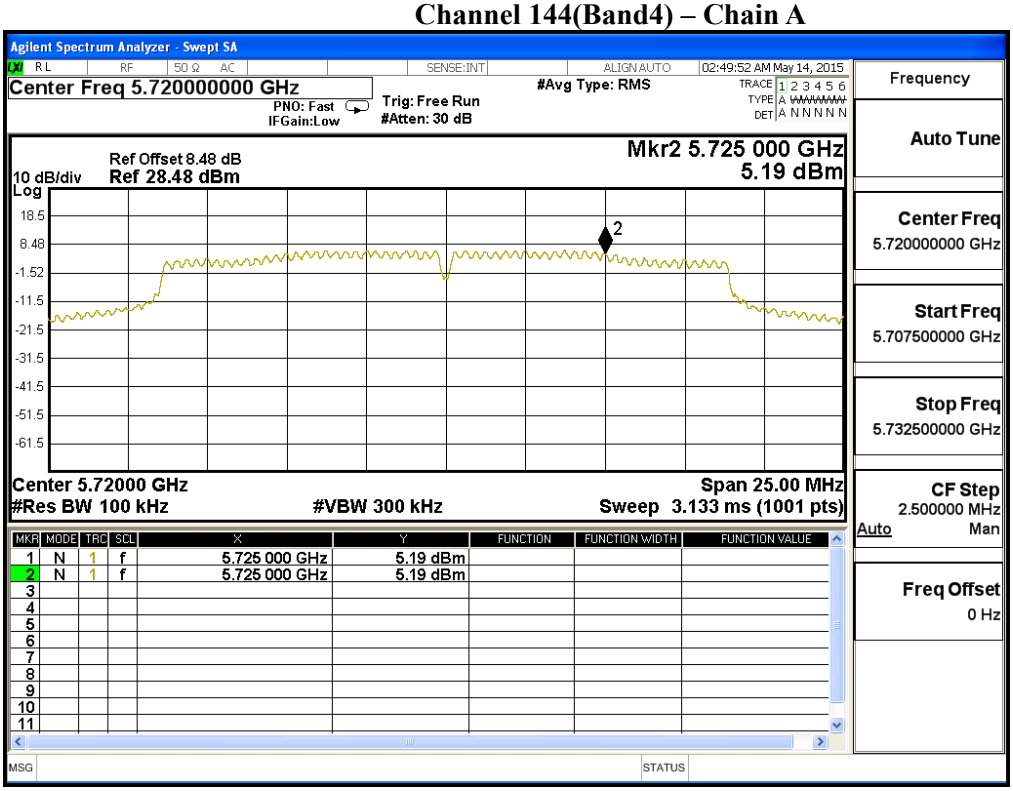
Note:

1. The quantity 10*log 2 (two antennas) is added to the spectrum peak value according to document 662911 D01.
2. Total PPSD = PPSD value + Duty Factor + 10*log 2.

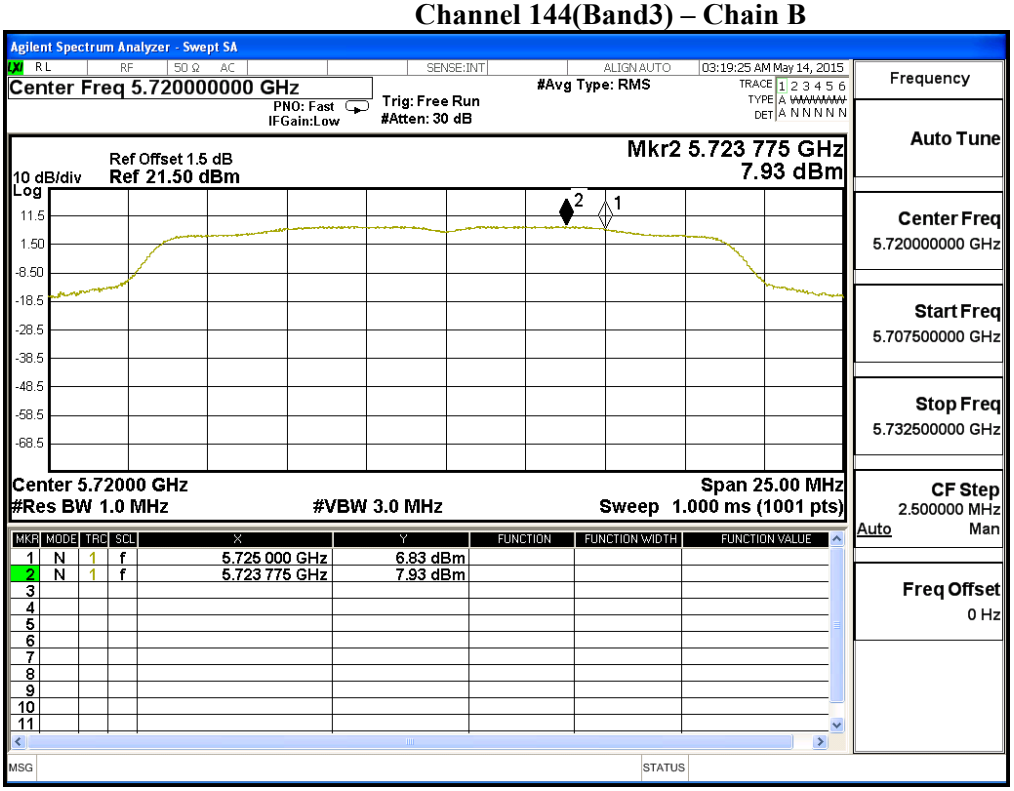
Channel 144(Band3) – Chain A



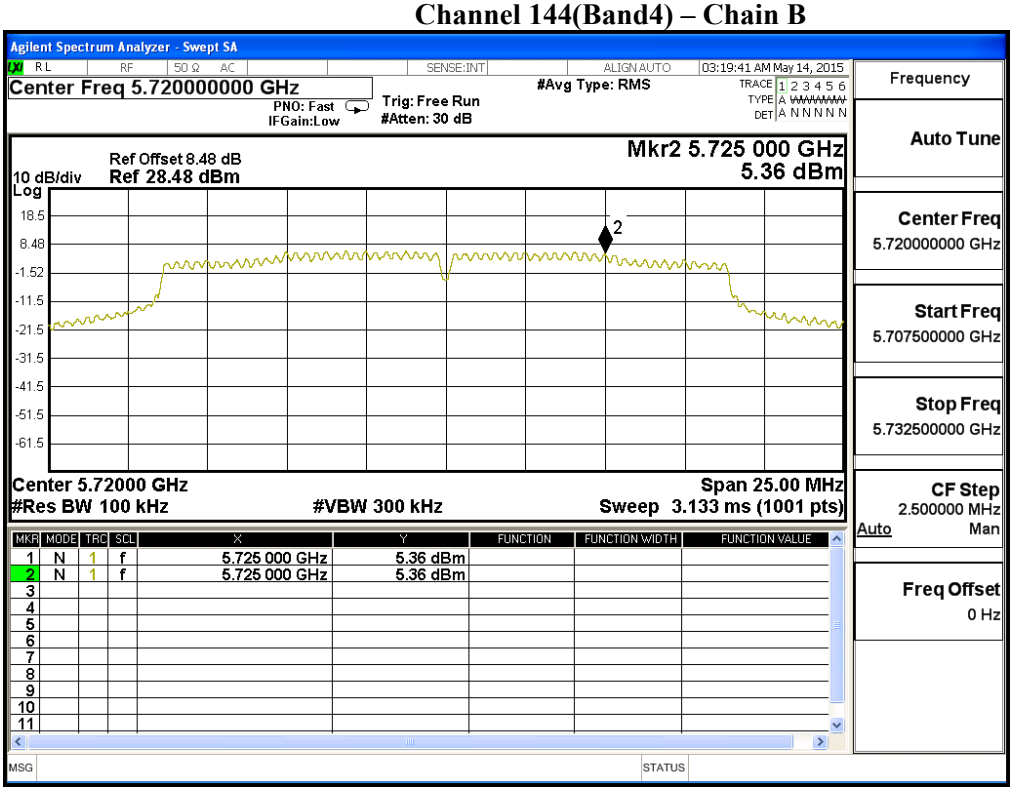
Channel 144(Band4) – Chain A



Channel 144(Band3) – Chain B



Channel 144(Band4) – Chain B



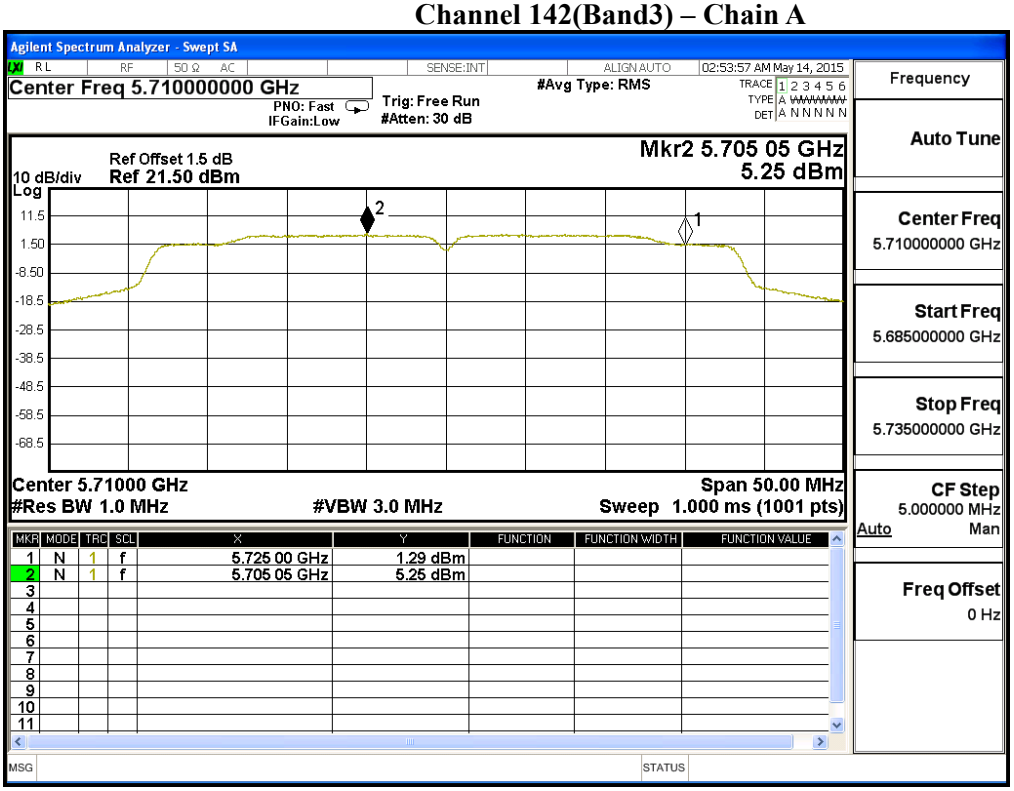
Product : Intel® Dual Band Wireless-AC 8260
Test Item : Peak Power Spectral Density
Test Site : No.3 OATS
Test Mode : Mode 3 MIMO: Transmit (802.11ac-40BW-15Mbps)

Channel Number	Frequency (MHz)	Chain	PPSD (dBm)	Duty Factor (dB)	Total PPSD (dBm)	Required Limit (dBm)	Result
142	5710(Band3)	A	5.250	0.315	8.575	<11	Pass
		B	4.480	0.315	7.805	<11	Pass
142	5710(Band4)	A	-0.090	0.315	3.235	<30	Pass
		B	-0.370	0.315	2.955	<30	Pass

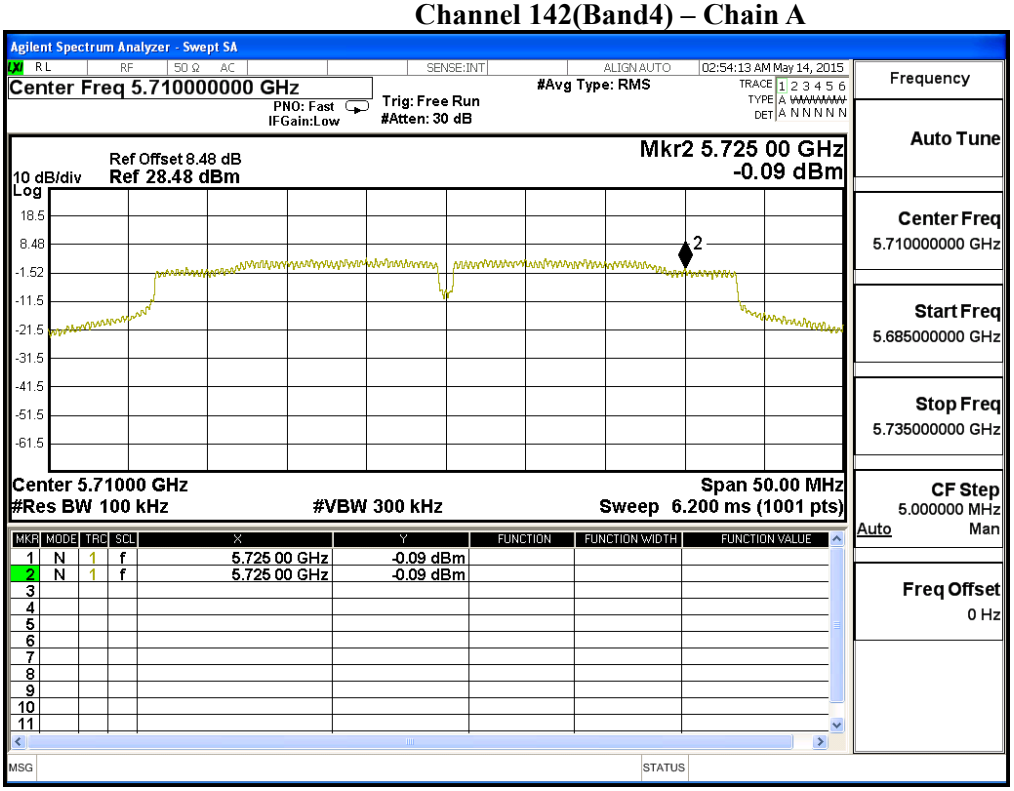
Note:

1. The quantity 10*log 2 (two antennas) is added to the spectrum peak value according to document 662911 D01.
2. Total PPSD = PPSD value + Duty Factor + 10*log 2.

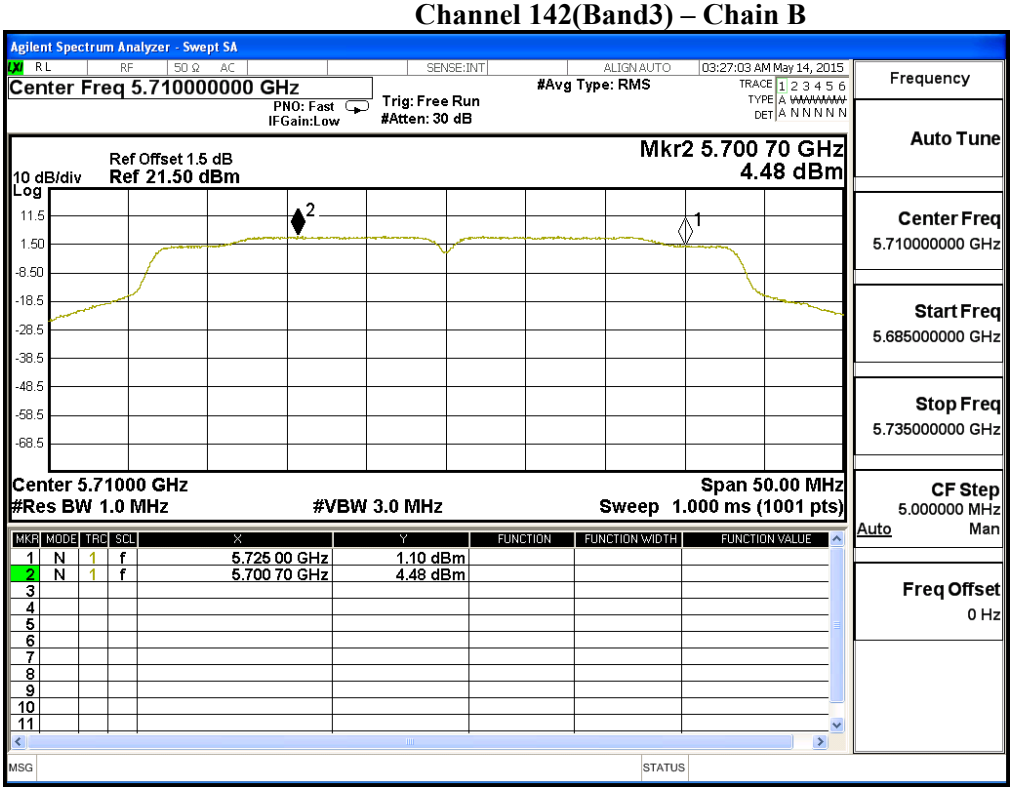
Channel 142(Band3) – Chain A



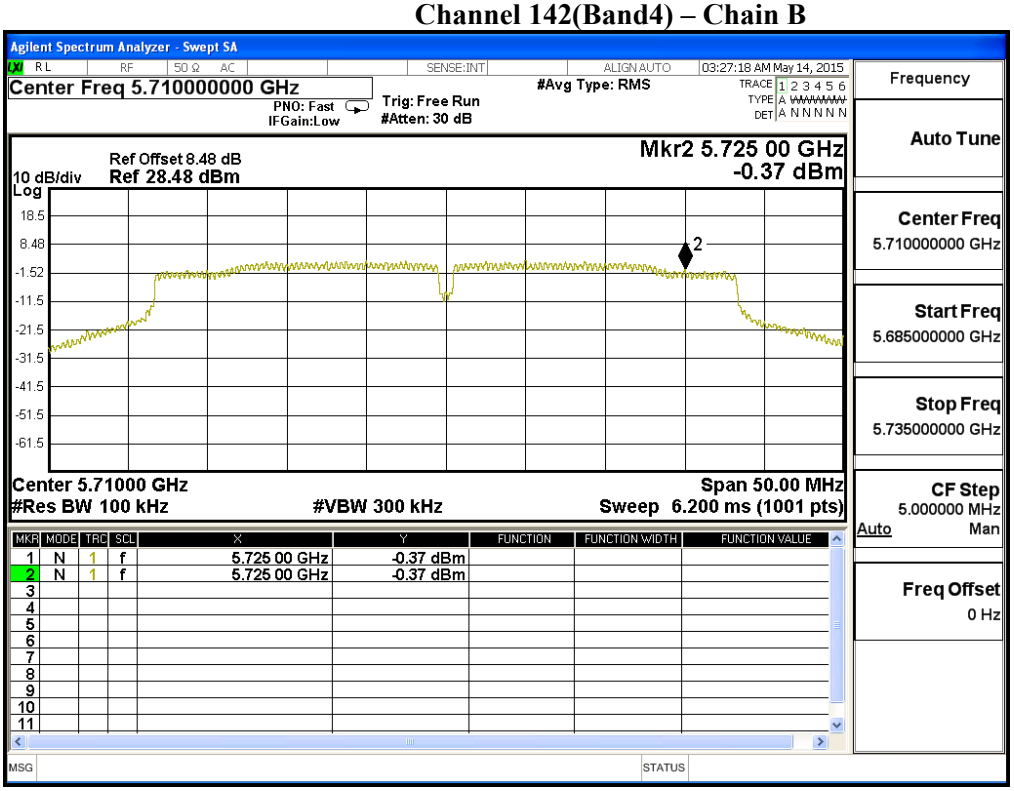
Channel 142(Band4) – Chain A



Channel 142(Band3) – Chain B



Channel 142(Band4) – Chain B



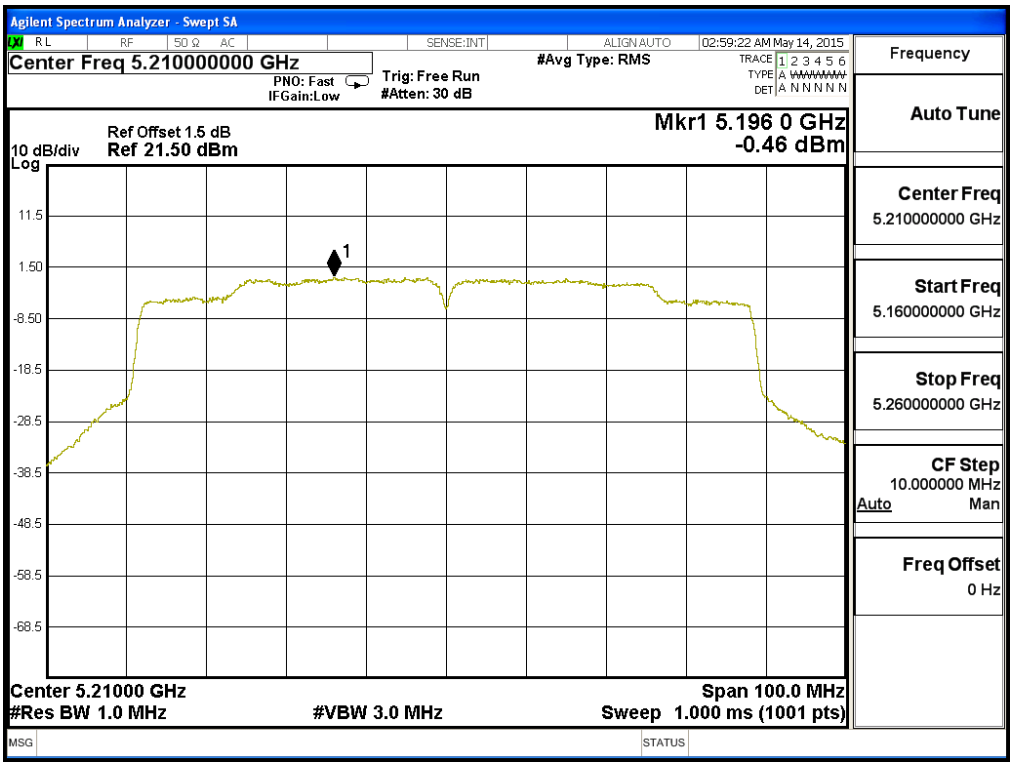
Product : Intel® Dual Band Wireless-AC 8260
Test Item : Peak Power Spectral Density
Test Site : No.3 OATS
Test Mode : Mode 3 MIMO: Transmit (802.11ac-80BW-65Mbps)

Channel Number	Frequency (MHz)	Chain	PPSD (dBm)	Duty Factor (dB)	Total PPSD (dBm)	Required Limit (dBm)	Result
42	5210	A	-0.460	0.283	2.833	<11	Pass
		B	-0.190	0.283	3.103	<11	Pass
58	5290	A	-1.460	0.283	1.833	<11	Pass
		B	-1.190	0.283	2.103	<11	Pass
106	5530	A	-3.480	0.283	-0.187	<11	Pass
		B	-3.630	0.283	-0.337	<11	Pass
122	5610	A	2.590	0.283	5.883	<11	Pass
		B	2.860	0.283	6.153	<11	Pass
138	5690 (Band3)	A	1.900	0.283	5.193	<11	Pass
		B	1.540	0.283	4.833	<11	Pass
138	5690 (Band4)	A	-4.120	0.283	-0.827	<30	Pass
		B	-3.860	0.283	-0.567	<30	Pass

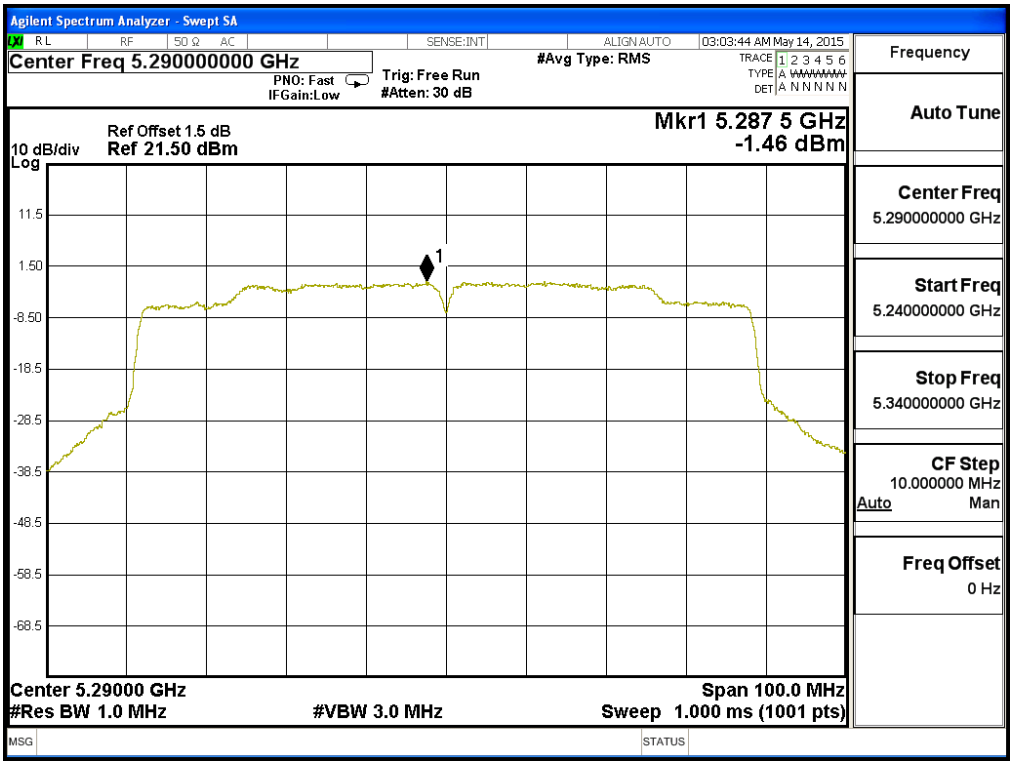
Note:

1. The quantity 10*log 2 (two antennas) is added to the spectrum peak value according to document 662911 D01.
2. Total PPSD = PPSD value + Duty Factor + 10*log 2.

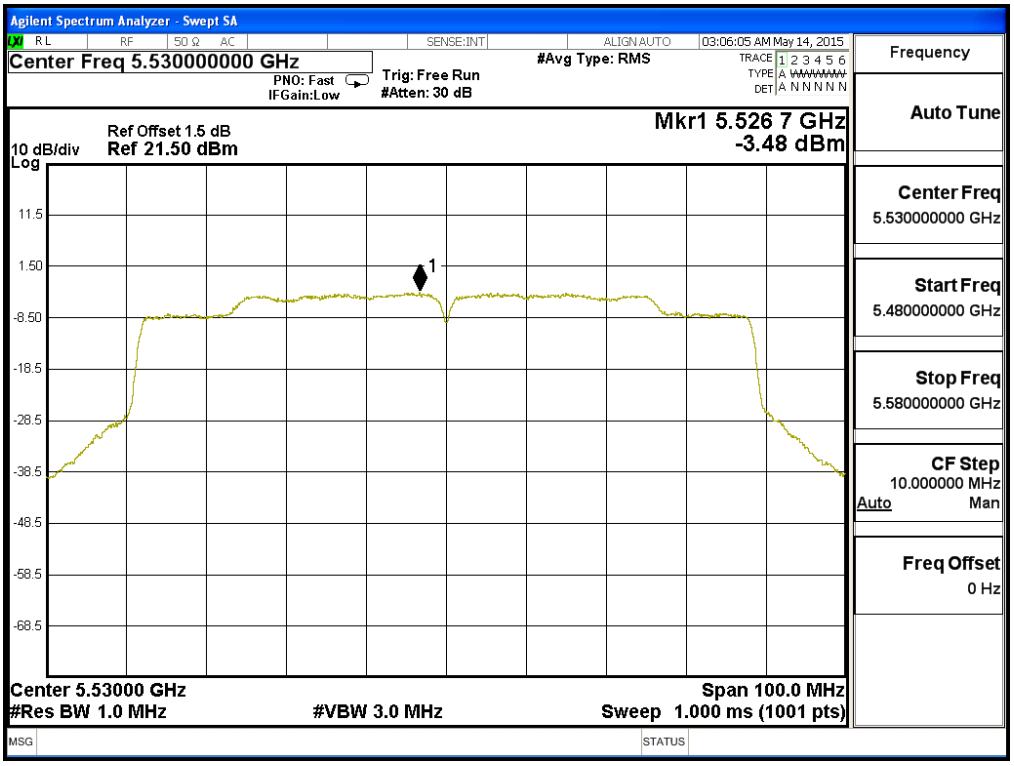
Channel 42 – Chain A



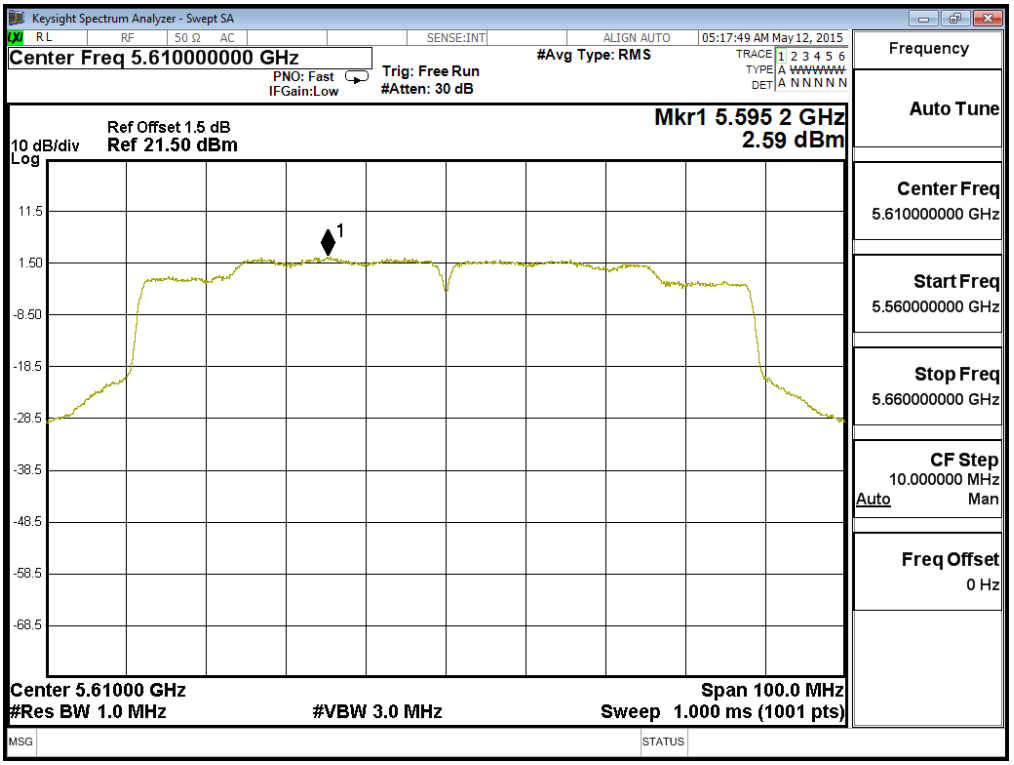
Channel 58 – Chain A



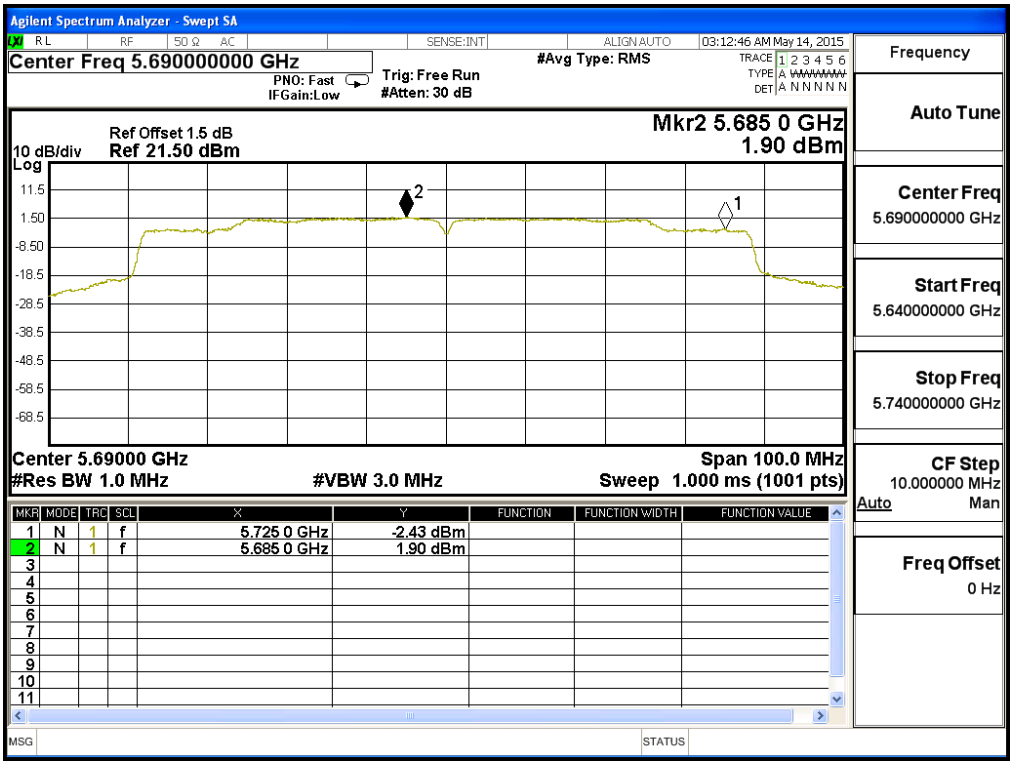
Channel 106 – Chain A



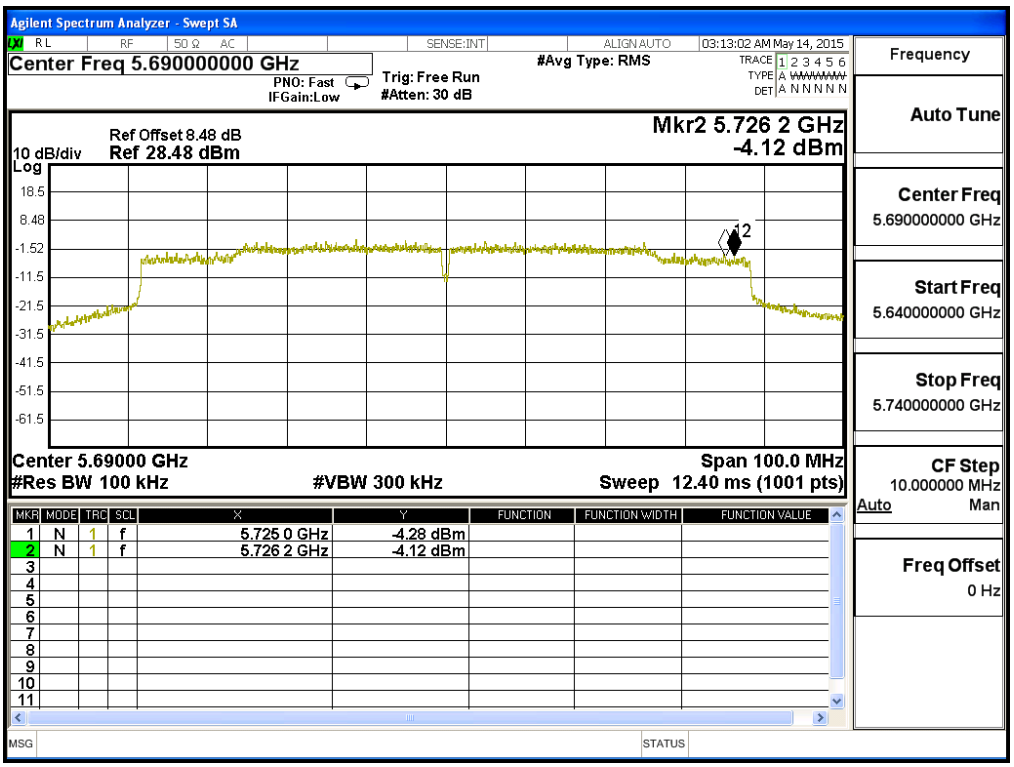
Channel 122 – Chain A



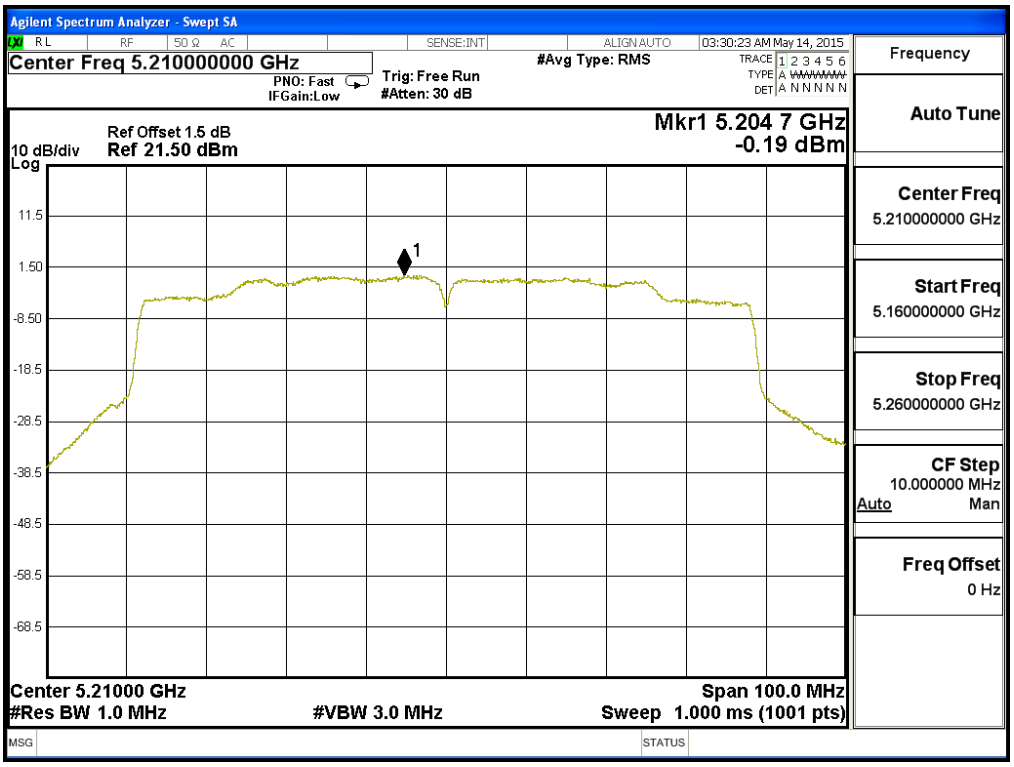
Channel 138 (Band3) – Chain A



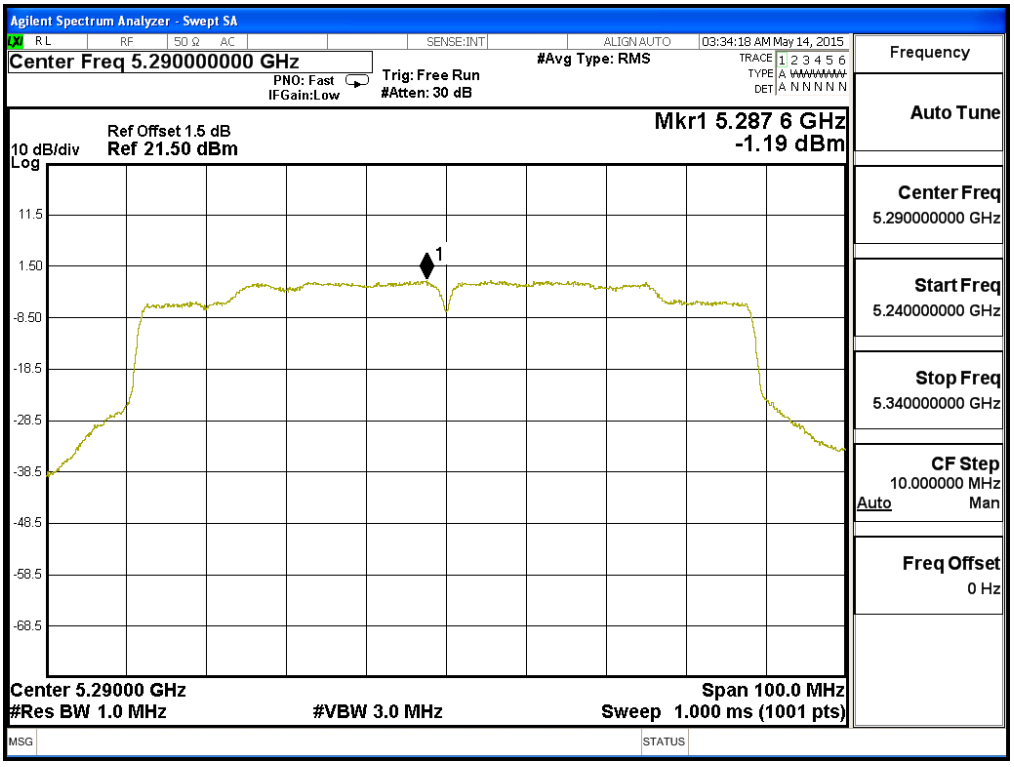
Channel 138 (Band4) – Chain A



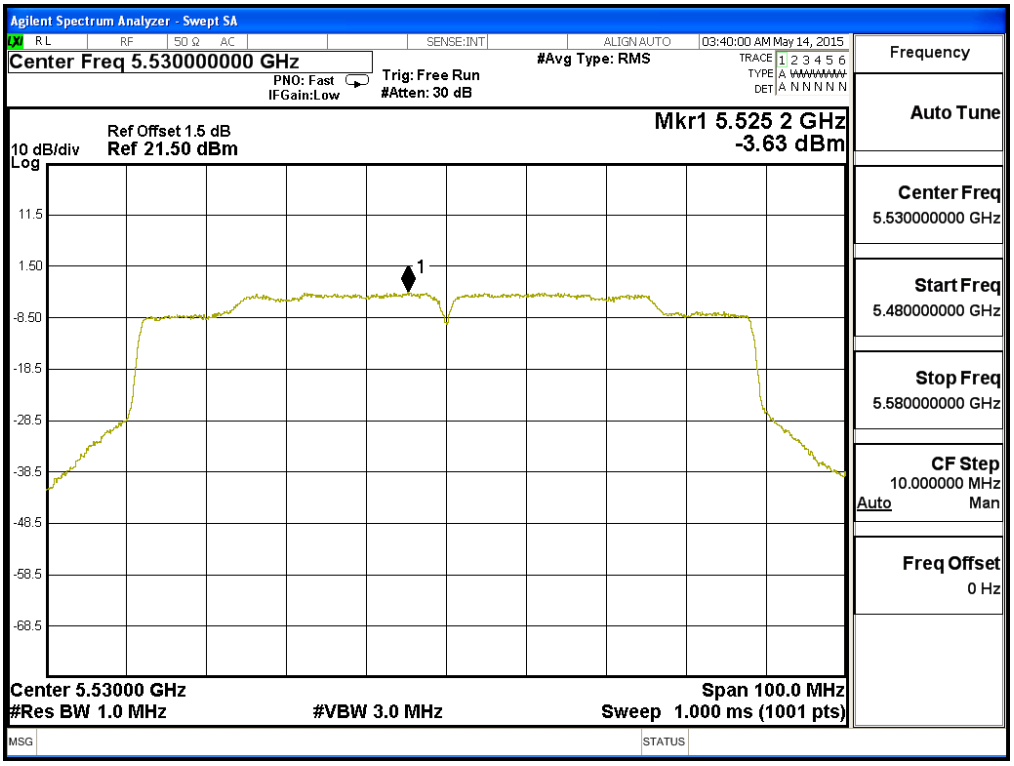
Channel 42 – Chain B



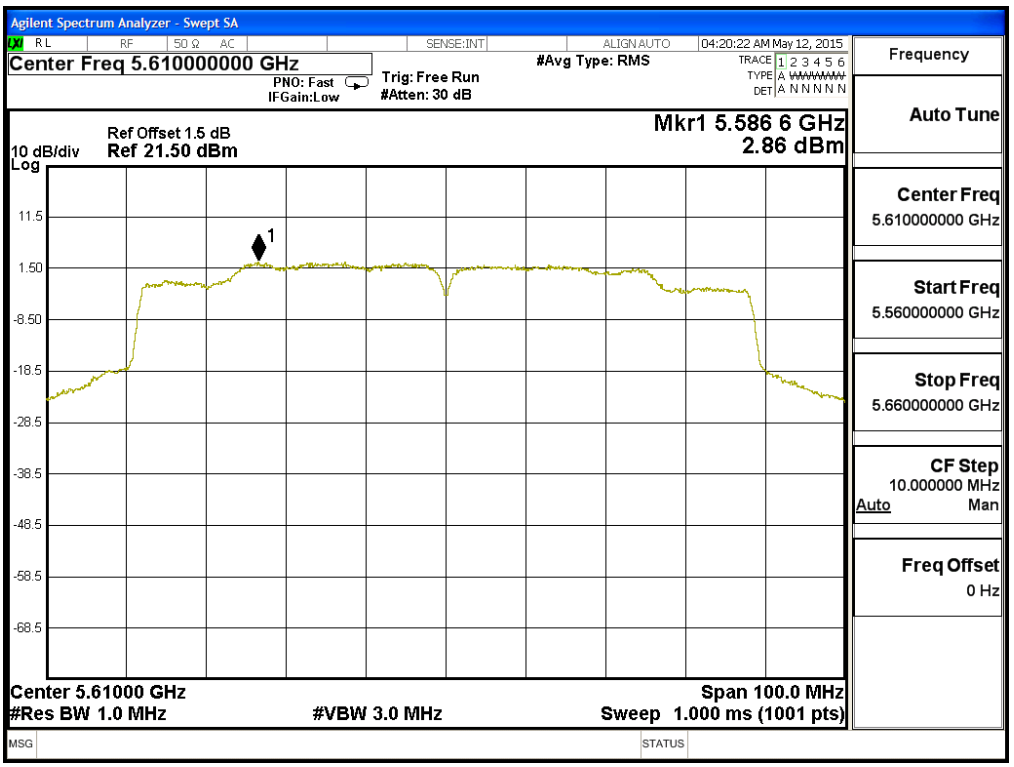
Channel 58 – Chain B



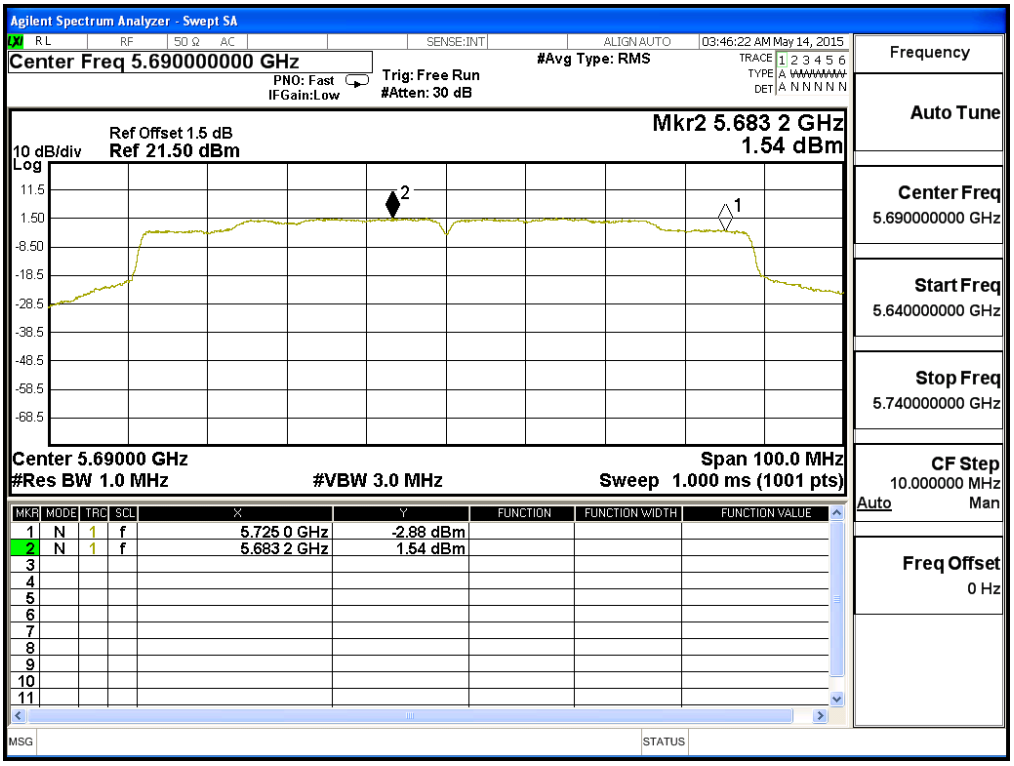
Channel 106 – Chain B



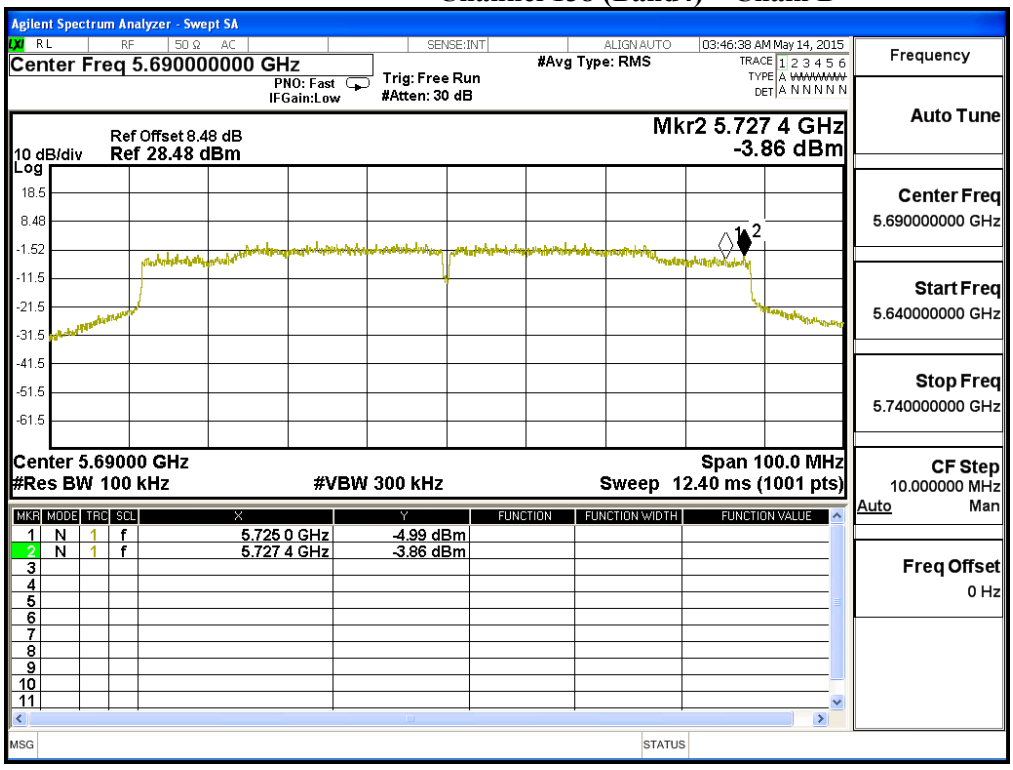
Channel 122 – Chain B



Channel 138 (Band3) – Chain B



Channel 138 (Band4) – Chain B



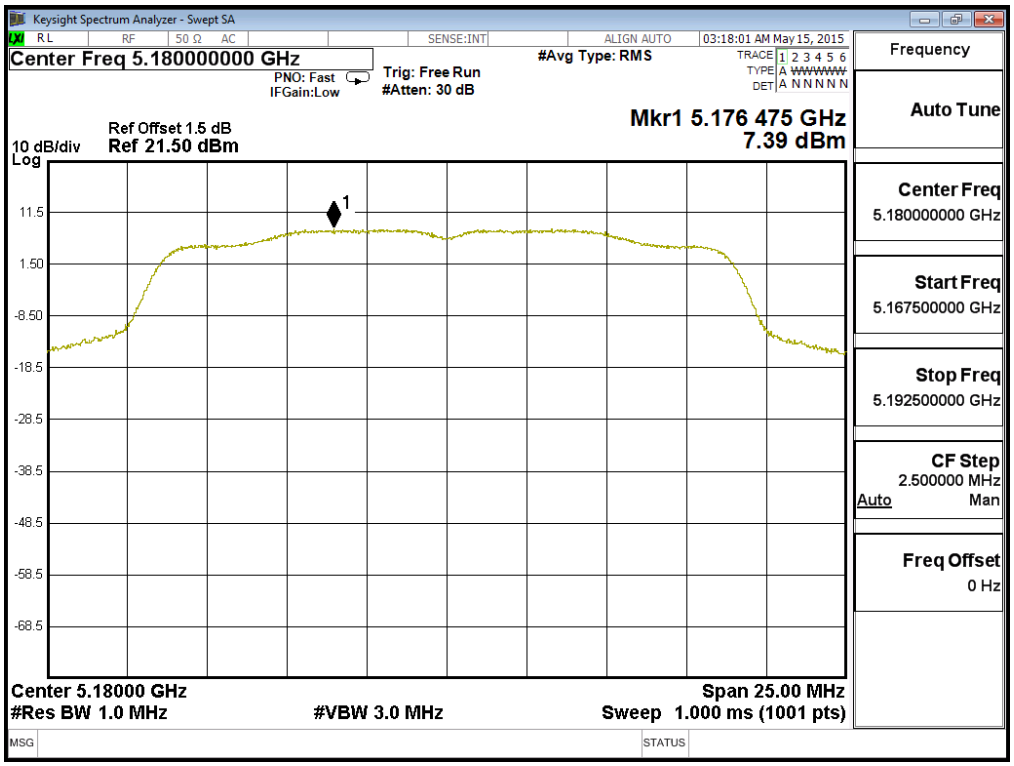
Product : Intel® Dual Band Wireless-AC 8260
Test Item : Peak Power Spectral Density
Test Site : No.3 OATS
Test Mode : Mode 4 Beamforming: Transmit (802.11n-20BW 14.4Mbps)

Channel Number	Frequency (MHz)	Chain	PPSD (dBm)	Duty Factor (dB)	Total PPSD (dBm)	Required Limit (dBm)	Result
36	5180	A	7.394	0.088	10.492	<11	Pass
		B	7.559	0.088	10.657	<11	Pass
44	5220	A	7.275	0.088	10.373	<11	Pass
		B	7.392	0.088	10.490	<11	Pass
48	5240	A	7.391	0.088	10.489	<11	Pass
		B	7.518	0.088	10.616	<11	Pass
52	5260	A	7.619	0.088	10.717	<11	Pass
		B	7.608	0.088	10.706	<11	Pass
60	5300	A	7.623	0.088	10.721	<11	Pass
		B	7.488	0.088	10.586	<11	Pass
64	5320	A	7.887	0.088	10.985	<11	Pass
		B	7.944	0.088	11.042	<11	Pass
100	5500	A	7.099	0.088	10.197	<11	Pass
		B	7.039	0.088	10.137	<11	Pass
116	5580	A	7.900	0.088	10.998	<11	Pass
		B	7.040	0.088	10.138	<11	Pass
140	5700	A	7.121	0.088	10.219	<11	Pass
		B	7.031	0.088	10.129	<11	Pass

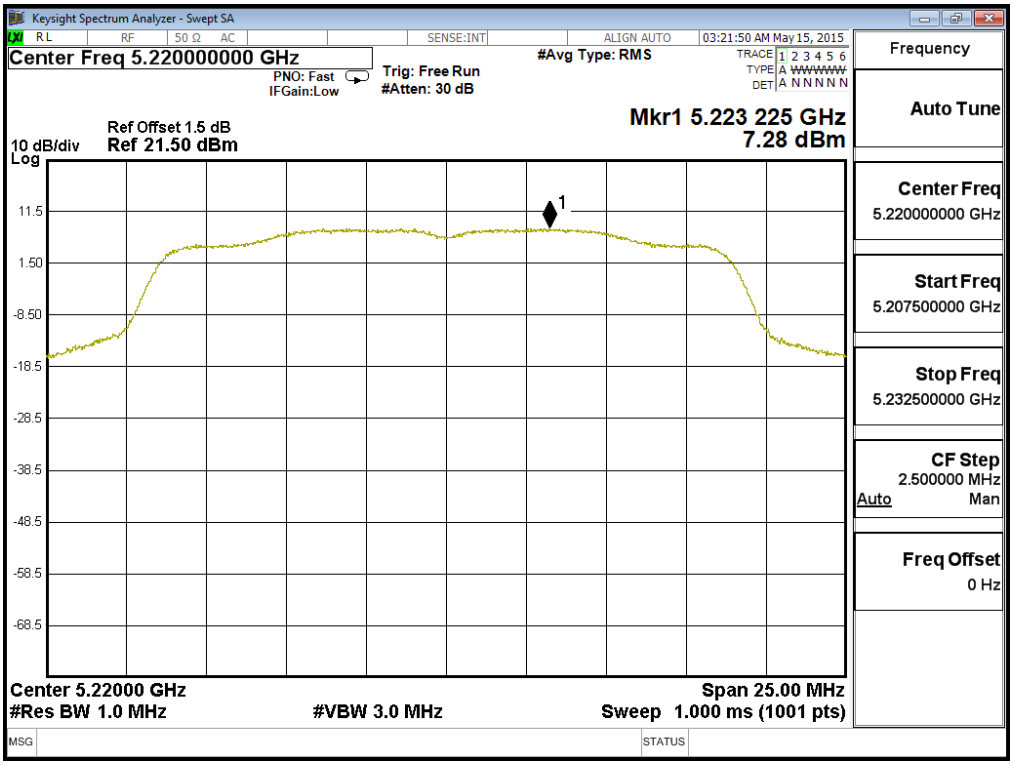
Note:

1. The quantity 10*log 2 (two antennas) is added to the spectrum peak value according to document 662911 D01.
2. Total PPSD = PPSD value + Duty Factor + 10*log 2.

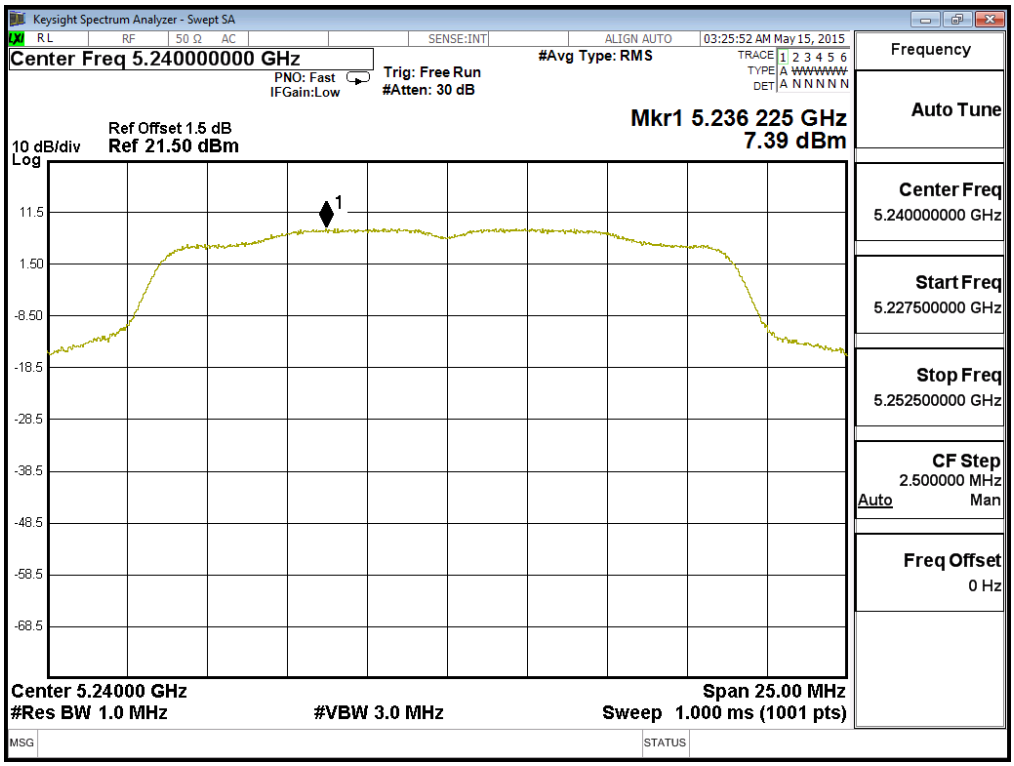
Channel 36 – Chain A



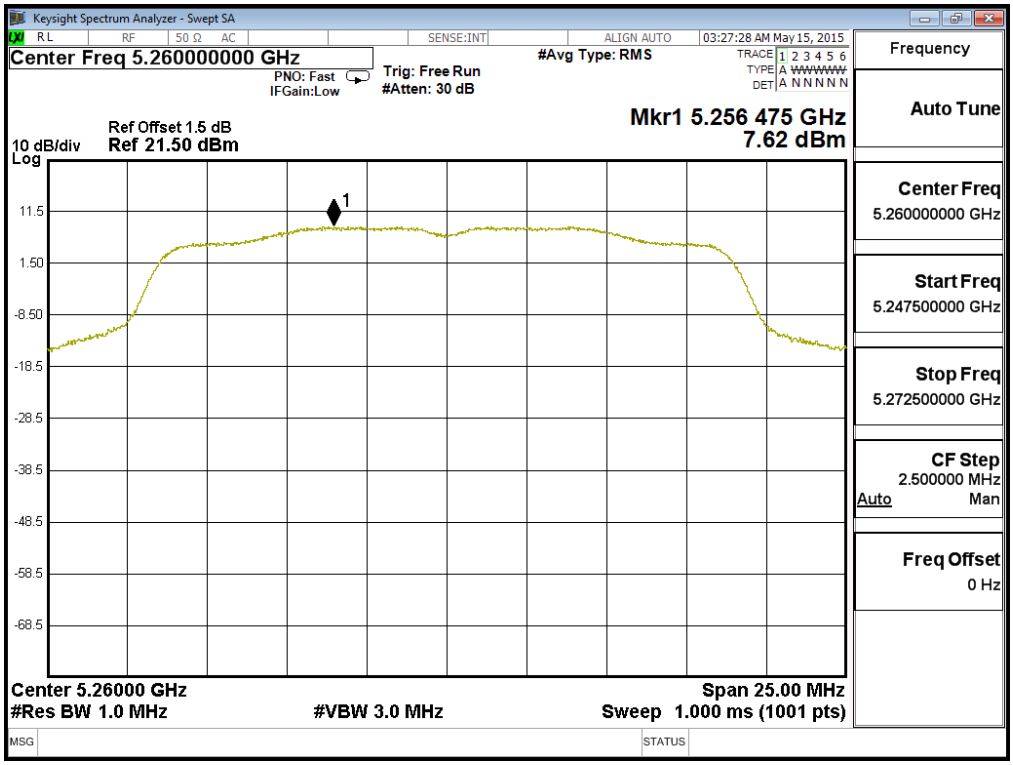
Channel 44 – Chain A



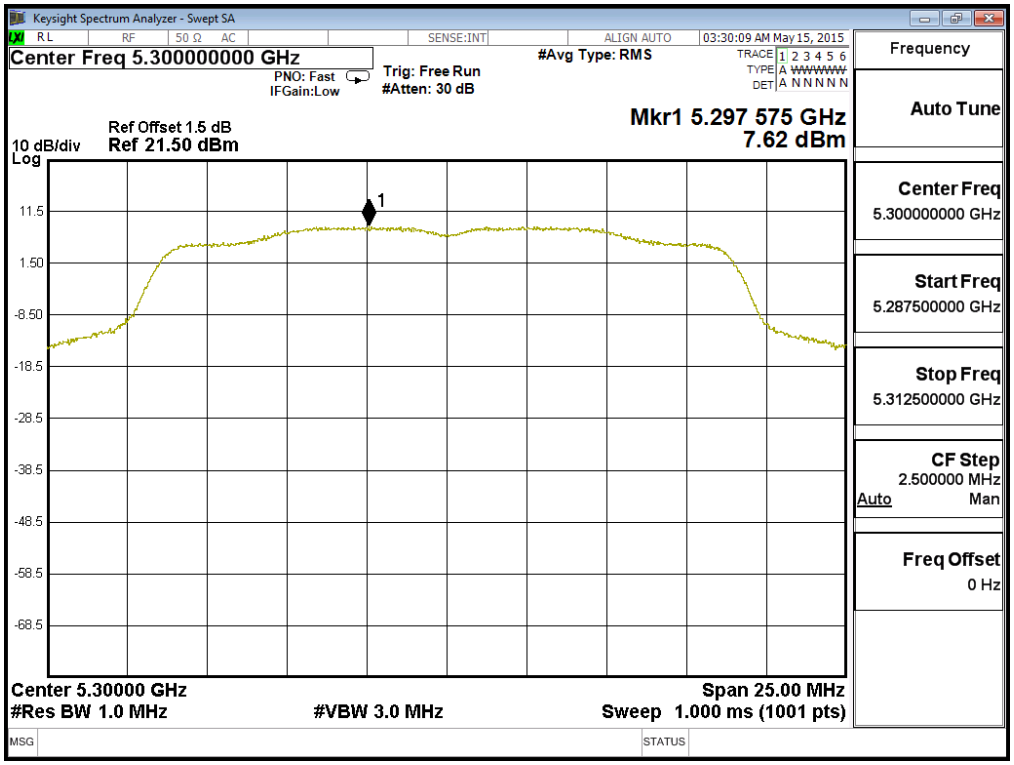
Channel 48 – Chain A



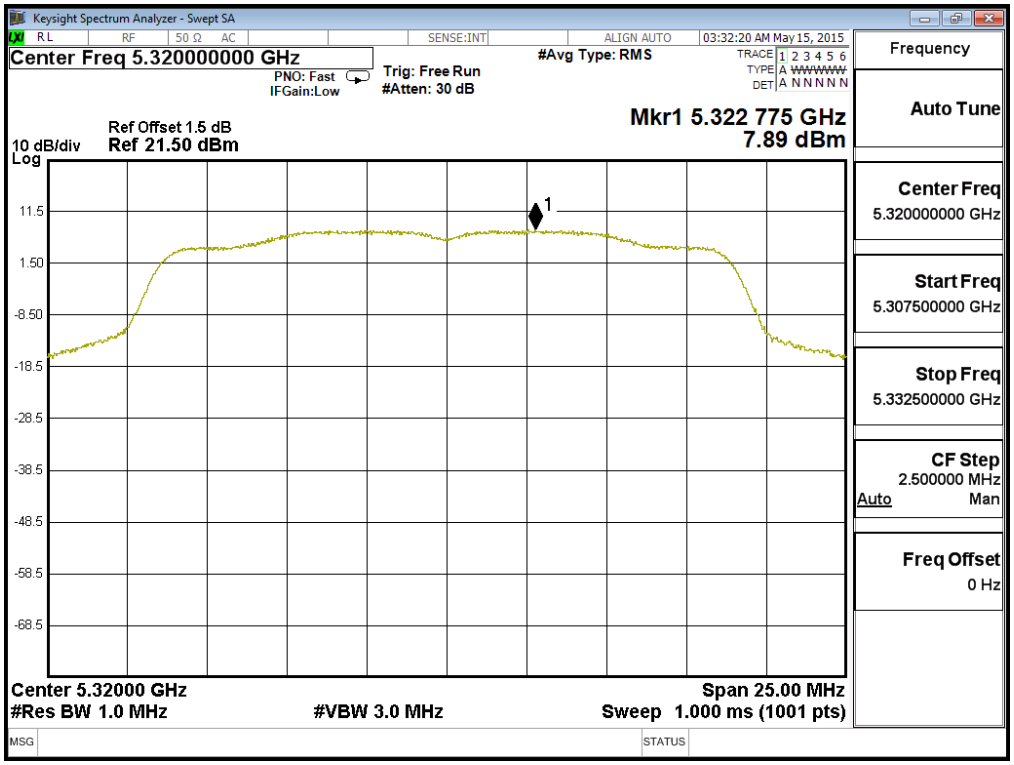
Channel 52 – Chain A



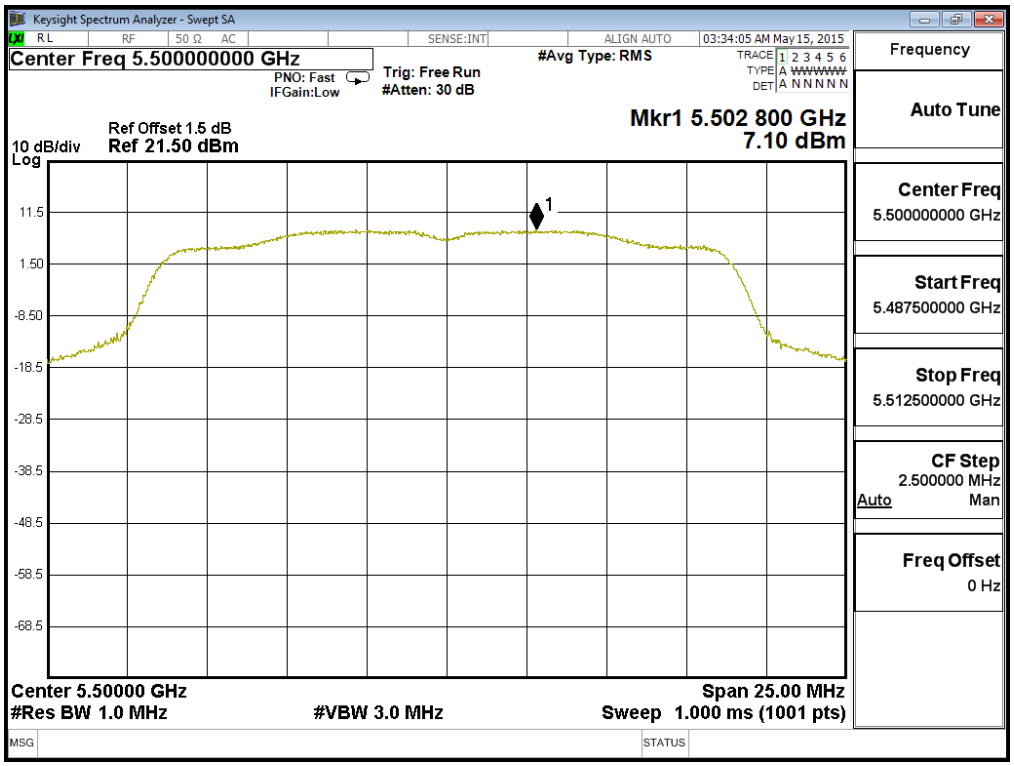
Channel 60 – Chain A



Channel 64 – Chain A



Channel 100 – Chain A



Channel 116 – Chain A