4. Peak Power Spectral Density

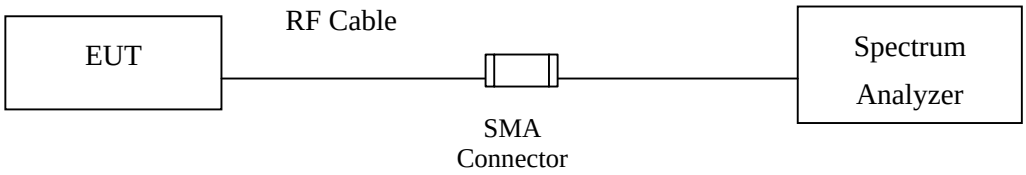
4.1. Test Equipment

	Equipment	Manufacturer	Model No./Serial No.	Last Cal.
	Spectrum Analyzer	R&S	FSP40 / 100170	Jun, 2013
	Spectrum Analyzer	Agilent	E4407B / US39440758	Jun, 2013
X	Spectrum Analyzer	Agilent	N9010A / MY48030495	Apr, 2013

Note:

1. All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.
2. The test instruments marked with "X" are used to measure the final test results.

4.2. Test Setup



4.3. Limits

(4) For the band 5.15-5.25 GHz, the peak power spectral density shall not exceed 4 dBm in any 1-MHz band. If transmitting antenna of directional gain greater than 6 dBi are used, the peak power spectral density shall be reduced by the amount in dB that directional gain of the antenna exceeds 6 dBi.

(5) For the band 5.25-5.35 GHz, the peak power spectral density shall not exceed 11 dBm in any 1-MHz band. If transmitting antenna of directional gain greater than 6 dBi are used, the peak power spectral density shall be reduced by the amount in dB that directional gain of the antenna exceeds 6 dBi.

(6) For the band 5.725-5.825 GHz, the peak power spectral density shall not exceed 17 dBm in any 1-MHz band. If transmitting antenna of directional gain greater than 6 dBi are used, the peak power spectral density shall be reduced by the amount in dB that directional gain of the antenna exceeds 6 dBi.

4.4. Test Procedure

The EUT was setup to ANSI C63.10, 2009; tested to DTS test procedure of FCC KDB-789033 for compliance to FCC 47CFR Subpart E requirements.
The Peak Power Spectral Density using KDB 789033 section F) procedure, Create an average power spectrum for the EUT operating mode being tested by following the instructions in section E)2) for measuring maximum conducted output power using a spectrum analyzer.
SA-1 method is selected to run the test.

4.5. Uncertainty

± 1.27 dB

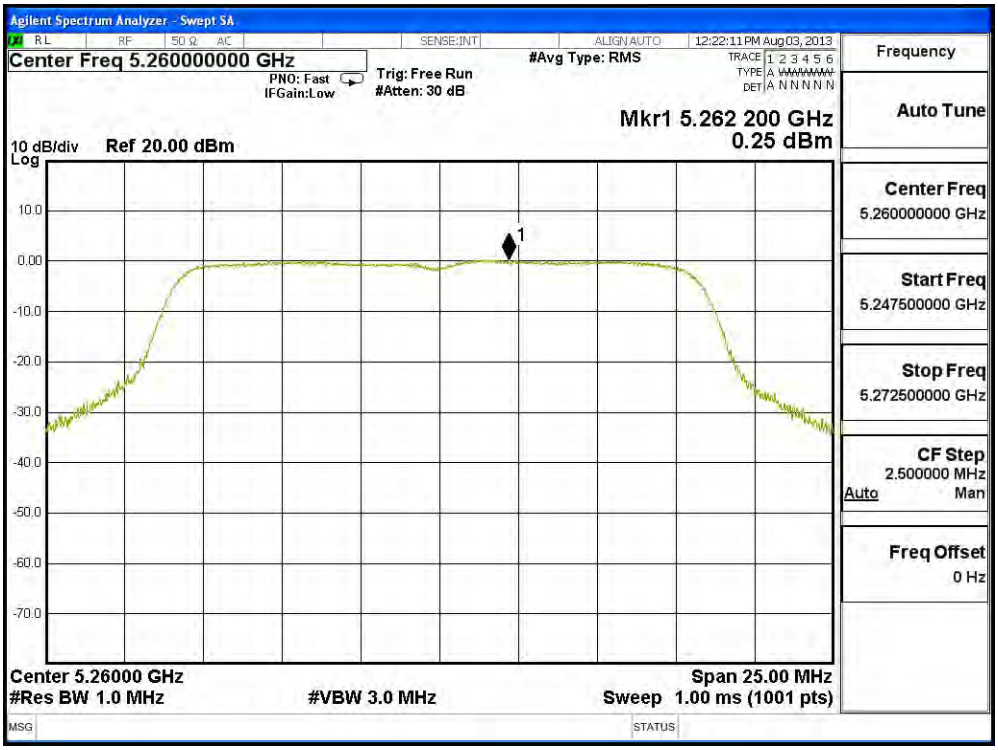
4.6. Test Result of Peak Power Spectral Density

Product : SpectraGuard® Access Point / Sensor
Test Item : Peak Power Spectral Density
Test Site : No.3 OATS
Test Mode : Mode 1: Transmit (802.11a-6Mbps)(Dipole Antenna)

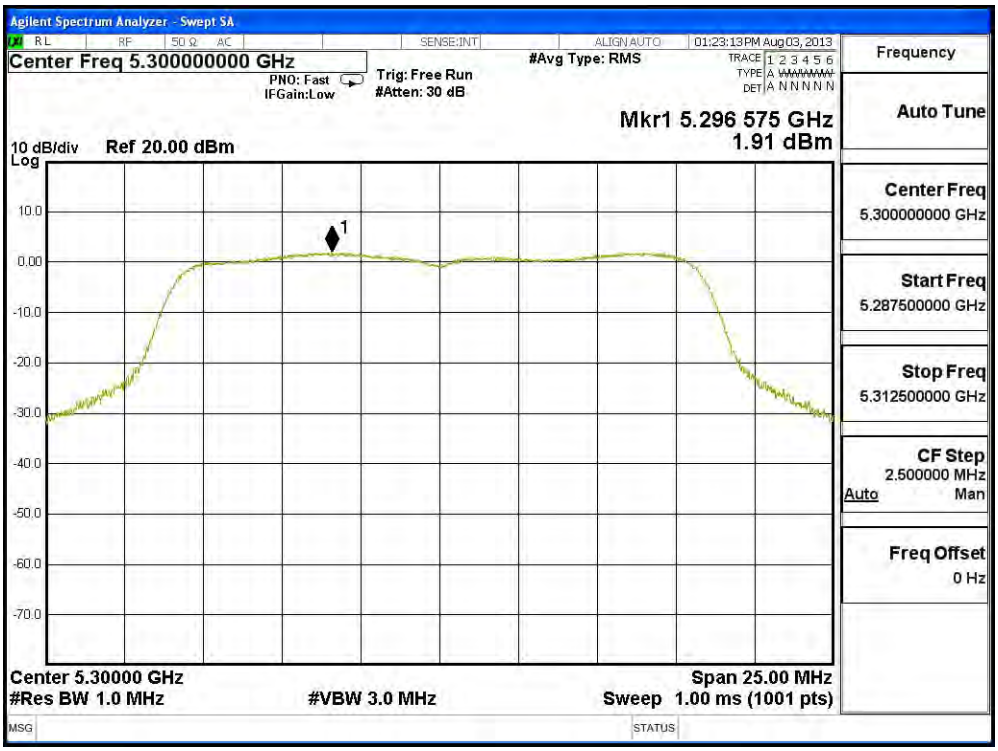
Channel No.	Frequency (MHz)	Chain (dBm)	PPSD/MHz (dBm)	Total PPSD/MHz (dBm)	Required Limit (dBm)	Result
52	5260	A	0.250	5.021	<11	Pass
		B	-2.380	2.391	<11	Pass
		C	0.420	5.191	<11	Pass
60	5300	A	1.910	6.681	<11	Pass
		B	-1.480	3.291	<11	Pass
		C	1.680	6.451	<11	Pass
64	5320	A	2.350	7.121	<11	Pass
		B	-1.260	3.511	<11	Pass
		C	1.830	6.601	<11	Pass
100	5500	A	0.320	5.091	<11	Pass
		B	-3.450	1.321	<11	Pass
		C	-1.040	3.731	<11	Pass
116	5580	A	0.760	5.531	<11	Pass
		B	-3.650	1.121	<11	Pass
		C	-1.180	3.591	<11	Pass
140	5700	A	0.110	4.881	<11	Pass
		B	-1.920	2.851	<11	Pass
		C	0.270	5.041	<11	Pass

Note 1: The quantity 10*log 3 (two antennas) is added to the spectrum peak value according to document 662911 D01.

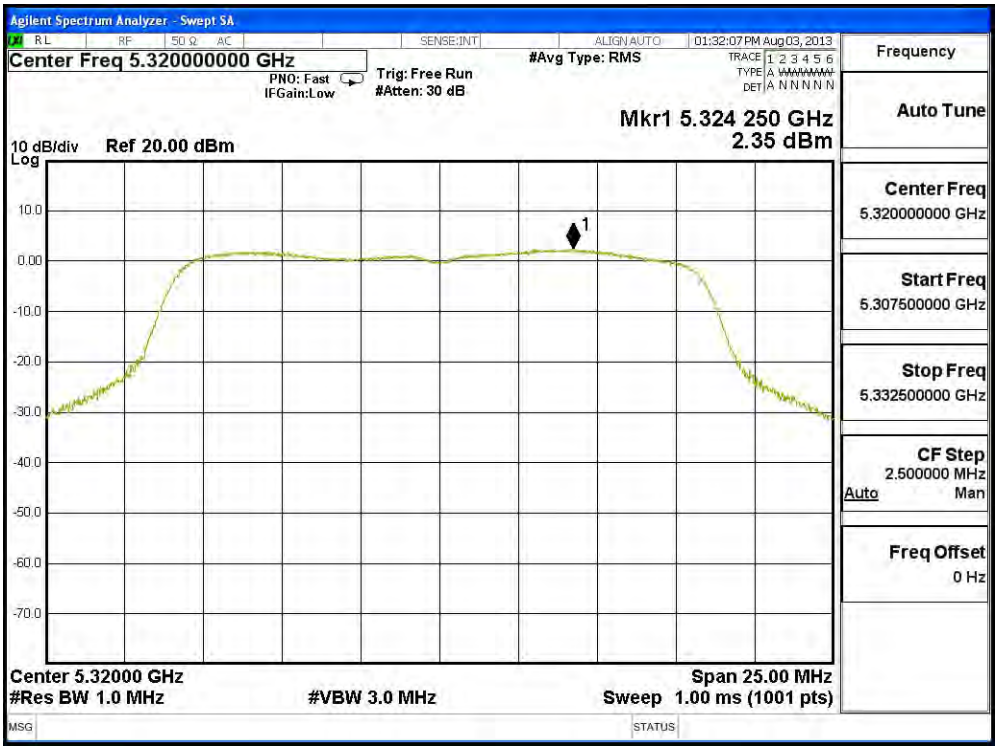
Channel 52: CHAIN A



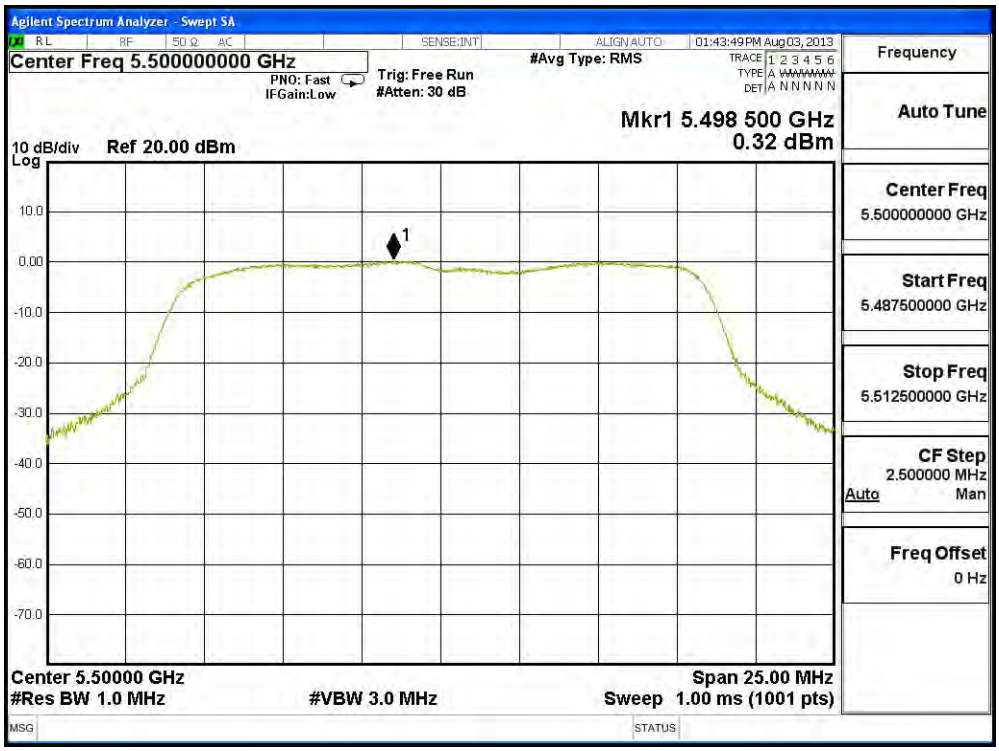
Channel 60: CHAIN A



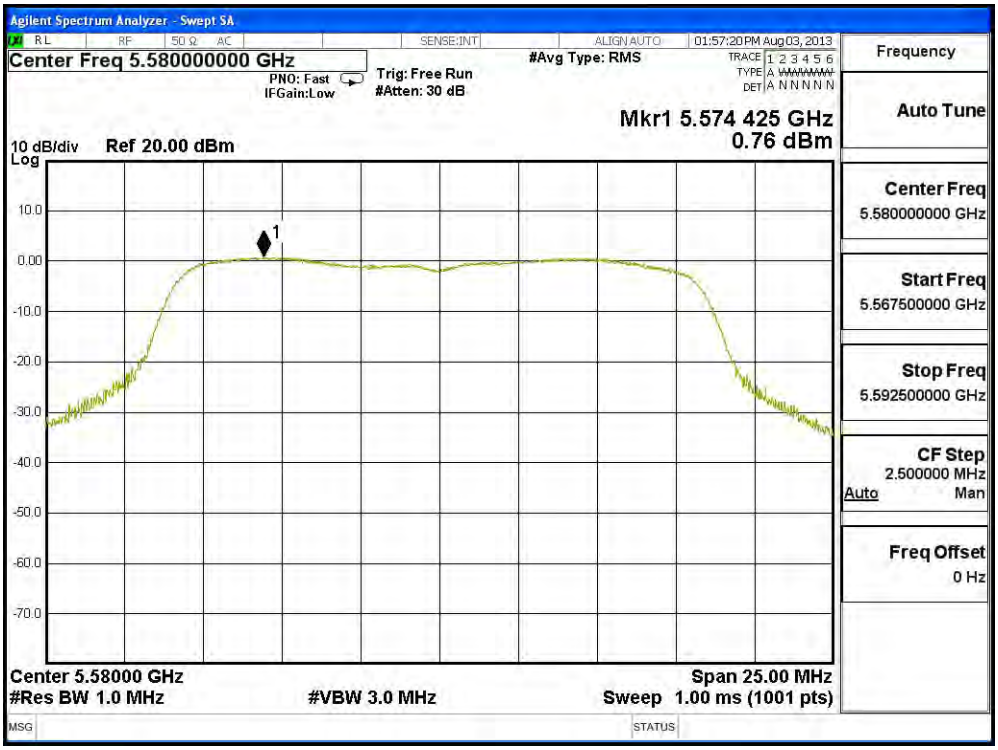
Channel 64: CHAIN A



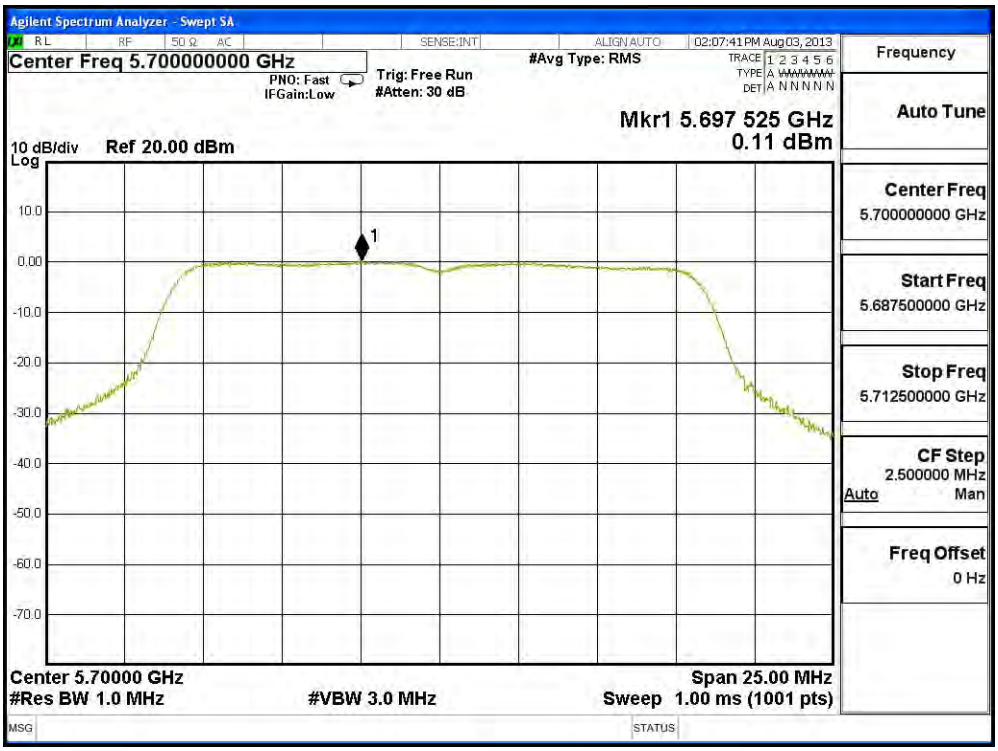
Channel 100: CHAIN A



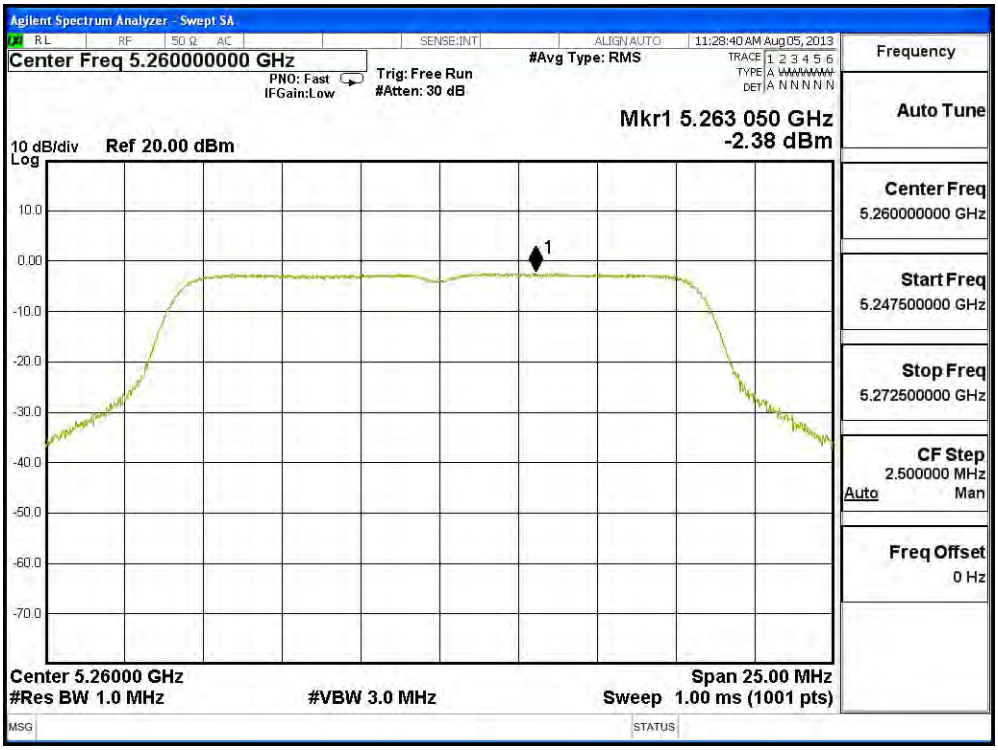
Channel 116: CHAIN A



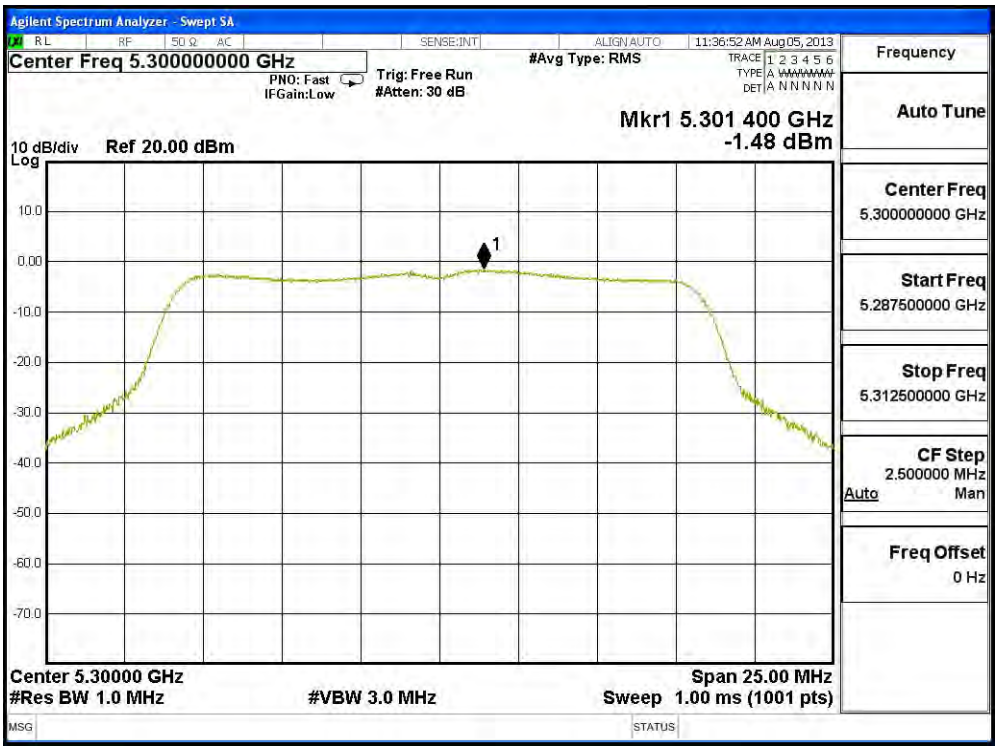
Channel 140: CHAIN A



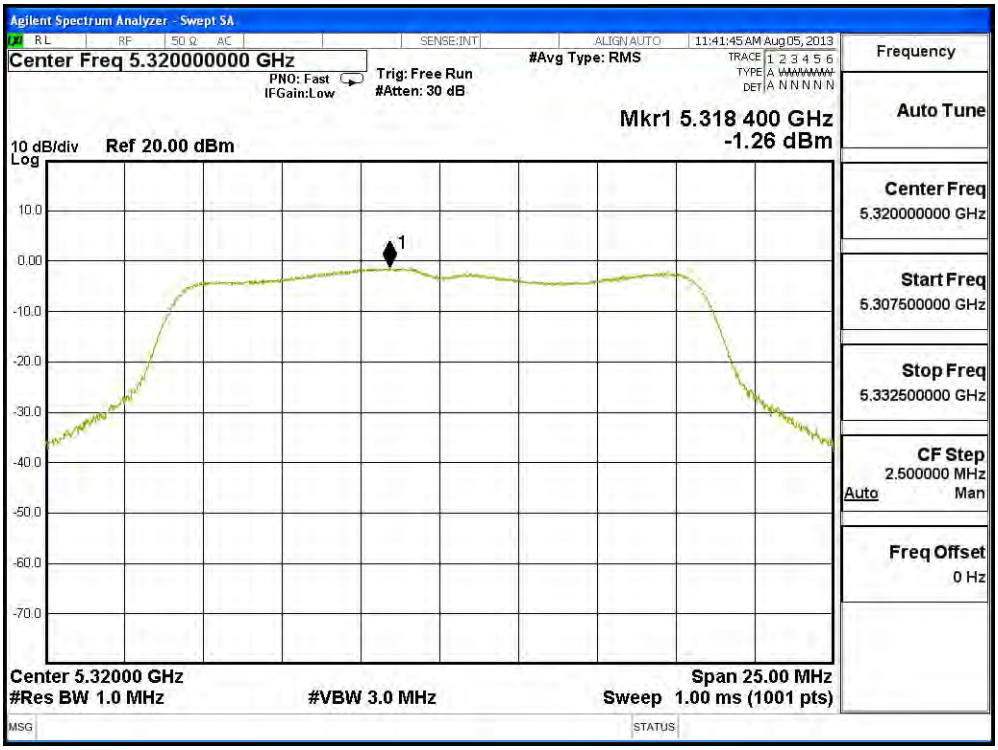
Channel 52: CHAIN B



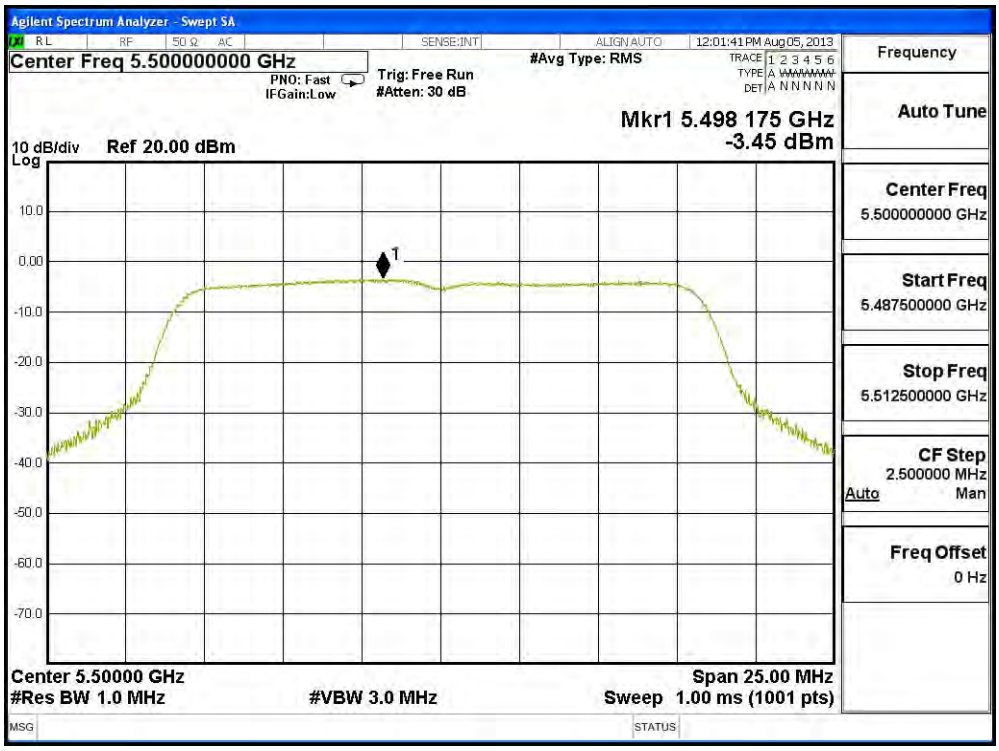
Channel 60: CHAIN B



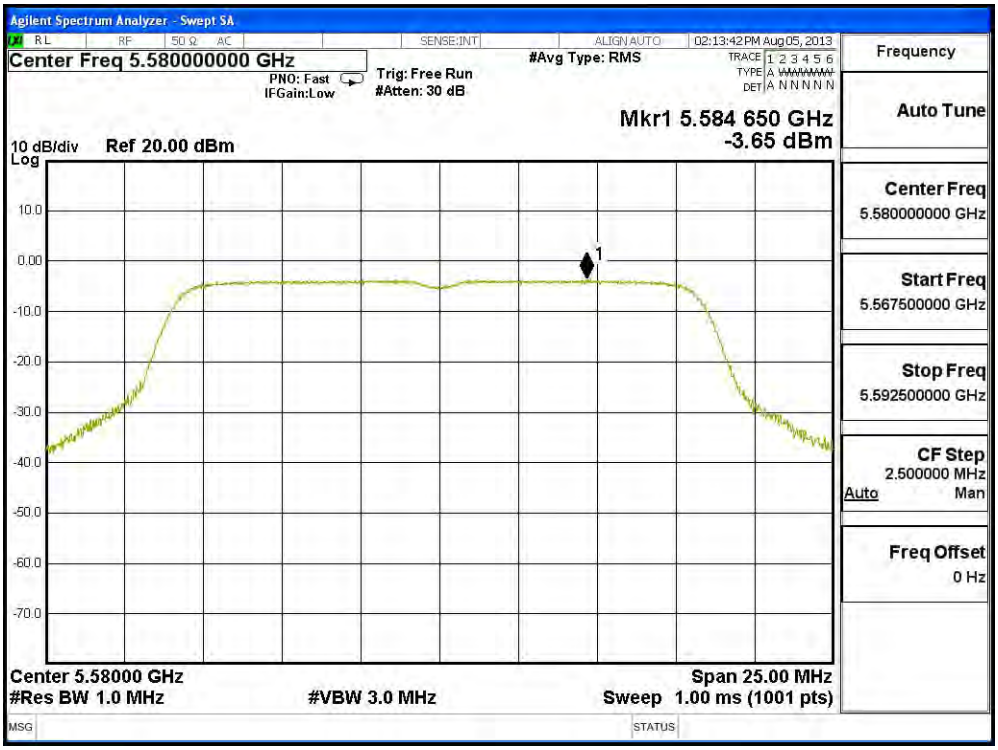
Channel 64: CHAIN B



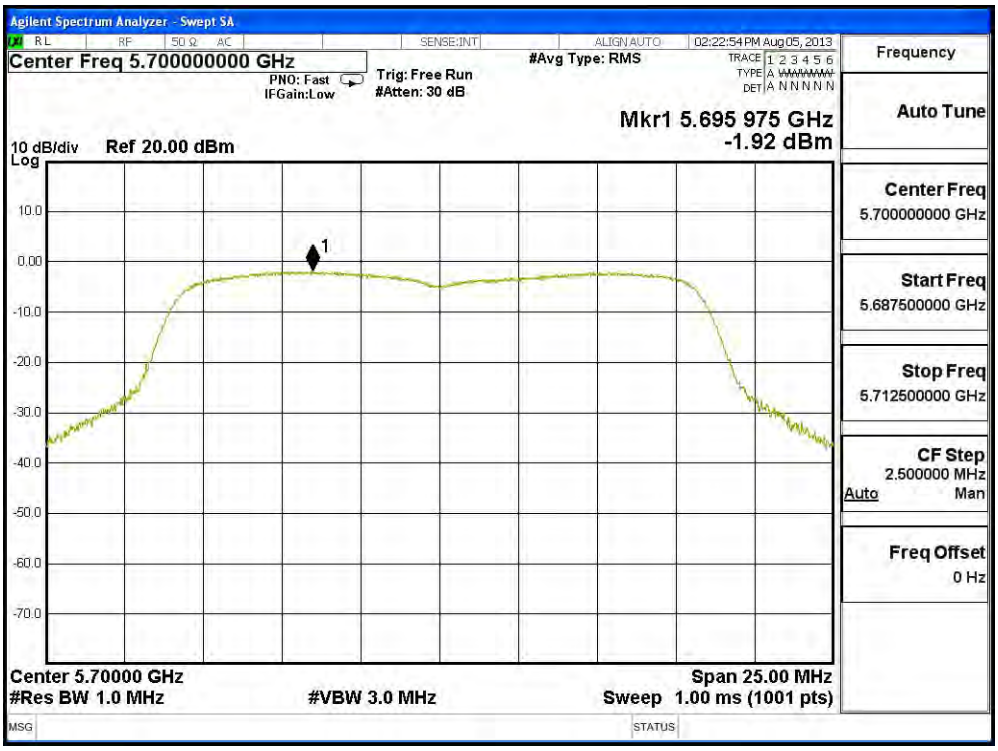
Channel 100: CHAIN B



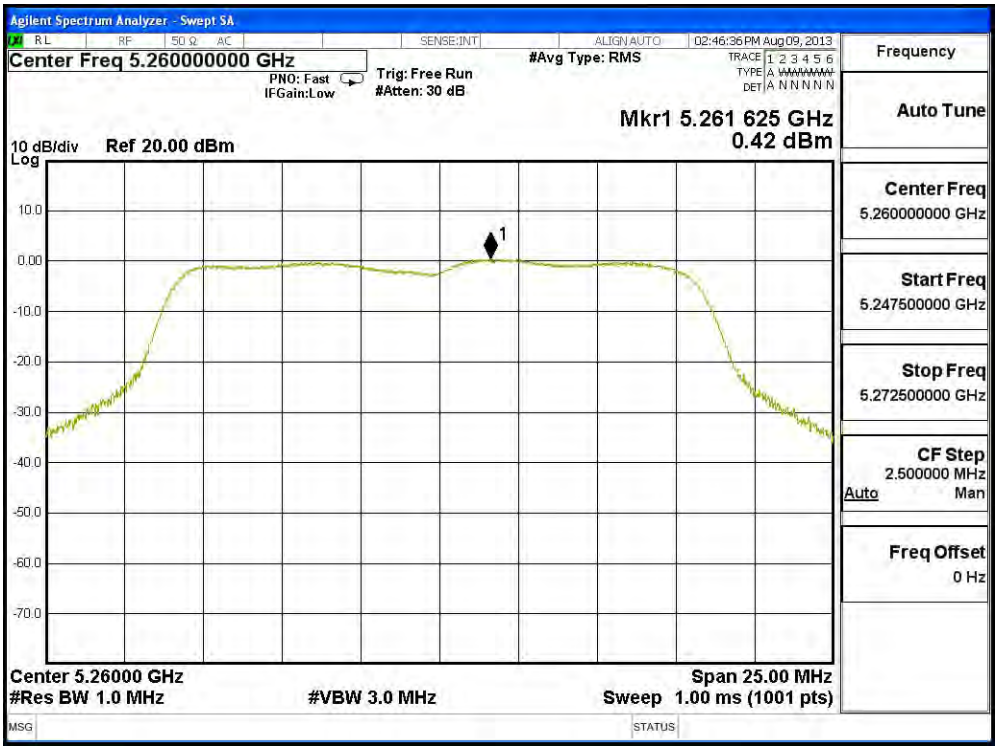
Channel 116: CHAIN B



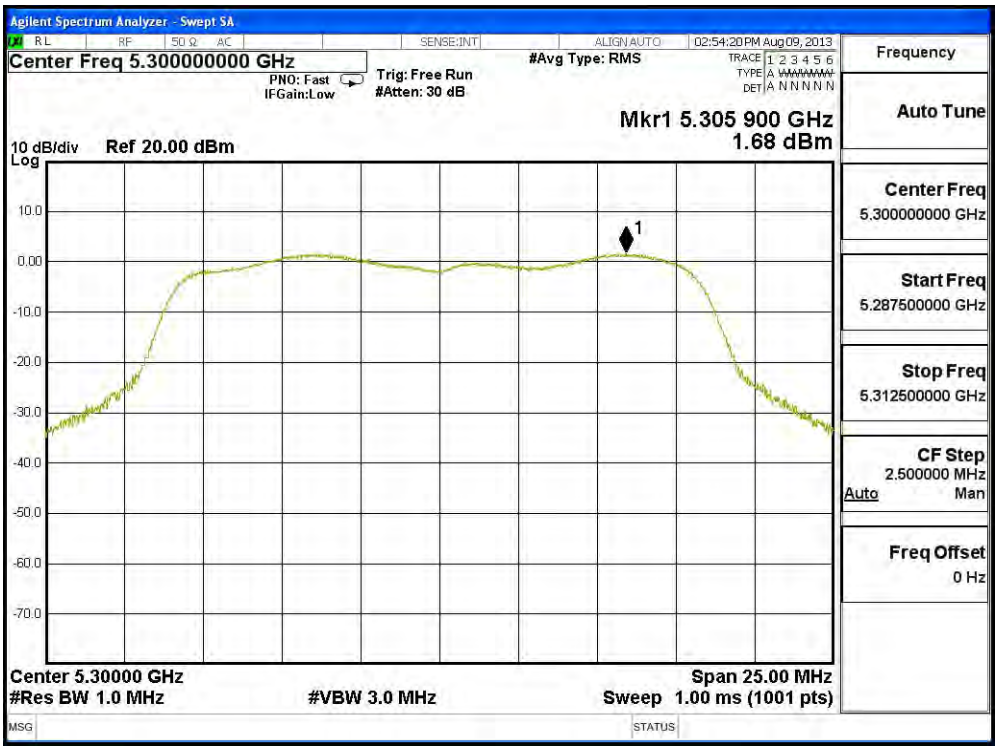
Channel 140: CHAIN B



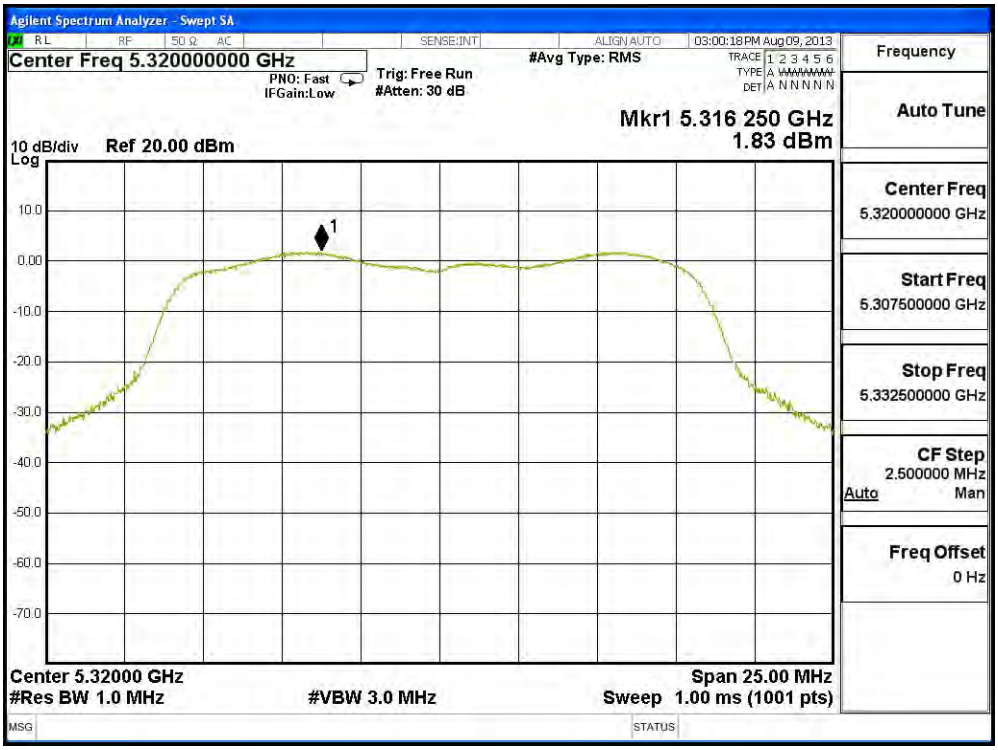
Channel 52: CHAIN C



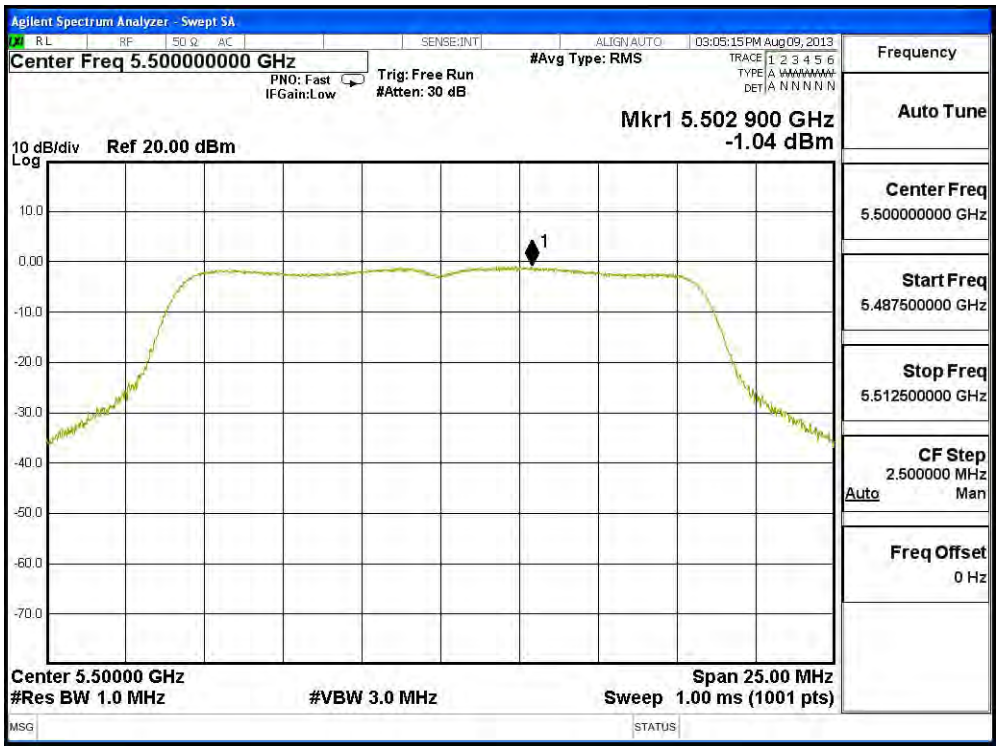
Channel 60: CHAIN C



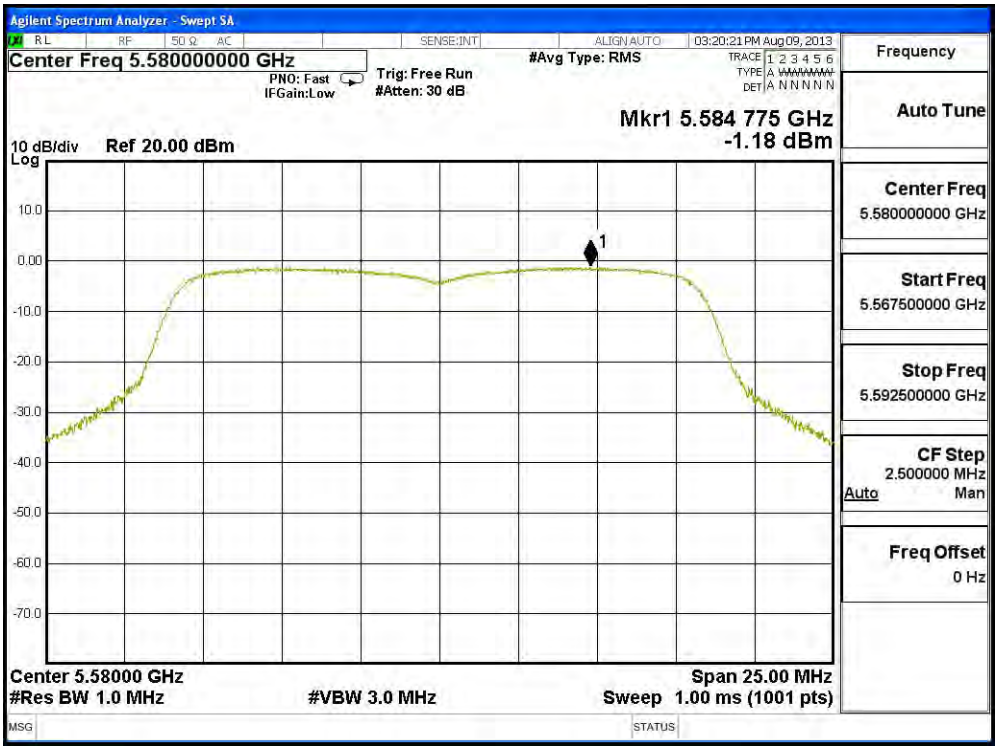
Channel 64: CHAIN C



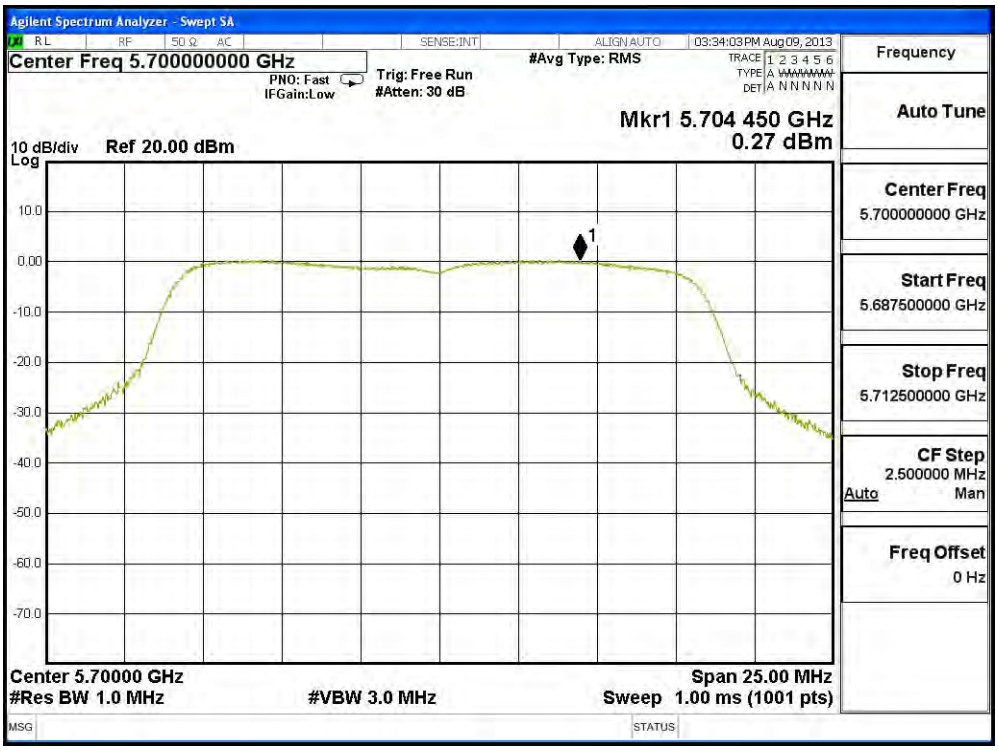
Channel 100: CHAIN C



Channel 116: CHAIN C



Channel 140: CHAIN C

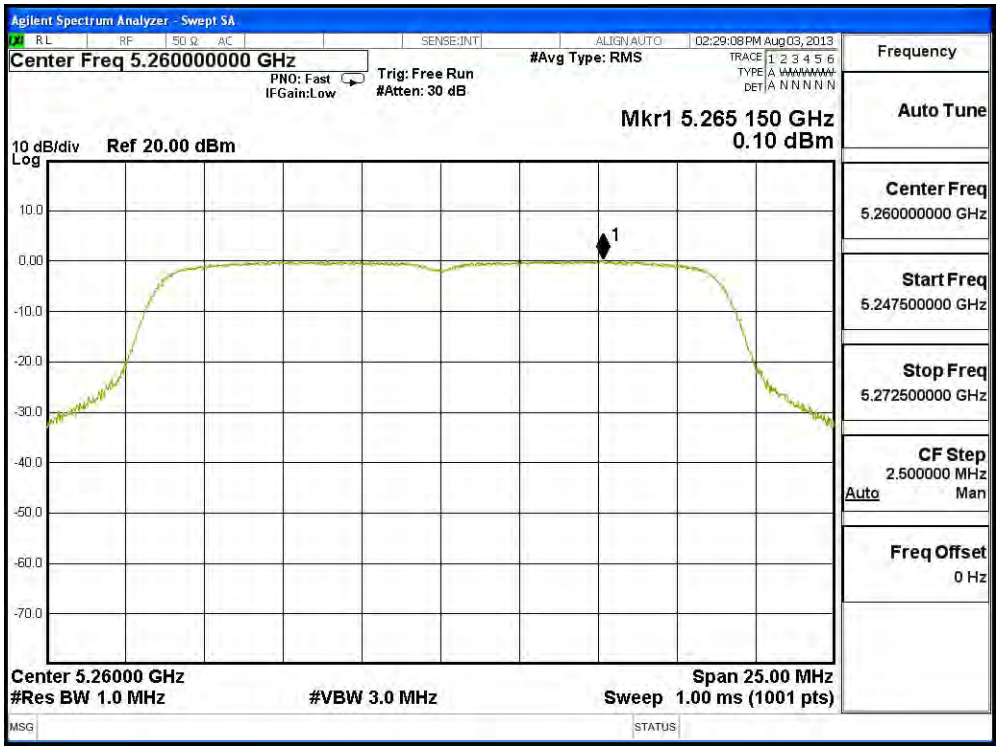


Product : SpectraGuard® Access Point / Sensor
Test Item : Peak Power Spectral Density
Test Site : No.3 OATS
Test Mode : Mode 2: Transmit (802.11n-20BW 21.7Mbps)(Dipole Antenna)

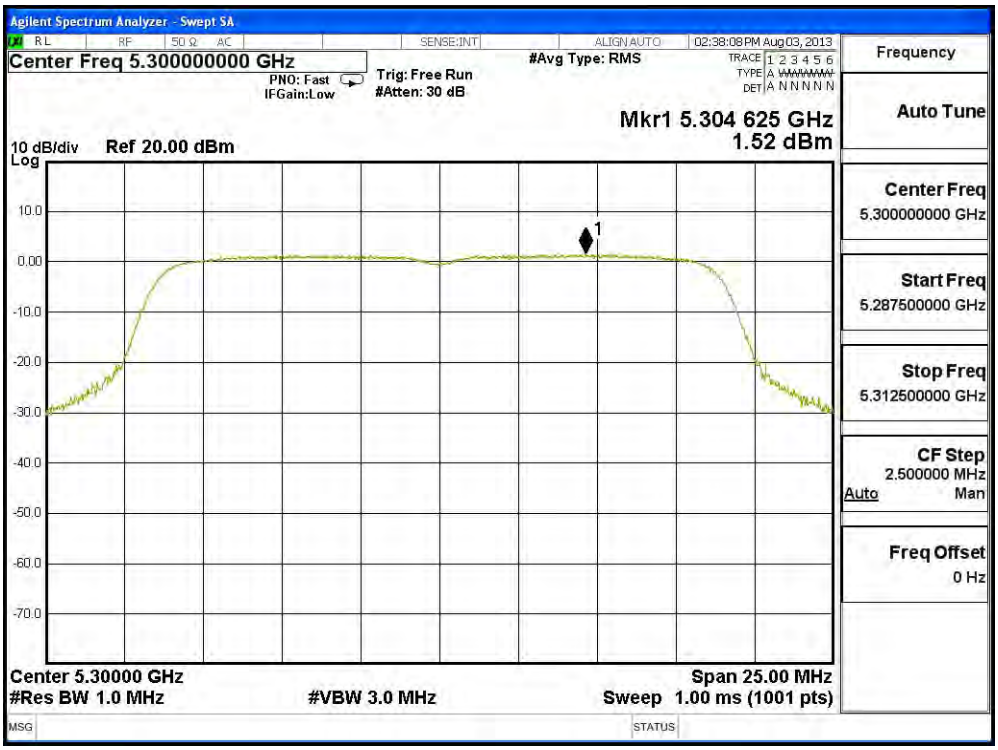
Channel No.	Frequency (MHz)	Chain (dBm)	PPSD/MHz (dBm)	Total PPSD/MHz (dBm)	Required Limit (dBm)	Result
52	5260	A	0.100	4.871	<11	Pass
		B	-2.570	2.201	<11	Pass
		C	-0.160	4.611	<11	Pass
60	5300	A	1.520	6.291	<11	Pass
		B	-1.840	2.931	<11	Pass
		C	0.830	5.601	<11	Pass
64	5320	A	2.000	6.771	<11	Pass
		B	-2.620	2.151	<11	Pass
		C	0.480	5.251	<11	Pass
100	5500	A	0.440	5.211	<11	Pass
		B	-3.730	1.041	<11	Pass
		C	-0.630	4.141	<11	Pass
116	5580	A	1.200	5.971	<11	Pass
		B	-3.320	1.451	<11	Pass
		C	-1.150	3.621	<11	Pass
140	5700	A	0.850	5.621	<11	Pass
		B	-1.630	3.141	<11	Pass
		C	1.300	6.071	<11	Pass

Note 1: The quantity 10*log 3 (two antennas) is added to the spectrum peak value according to document 662911 D01.

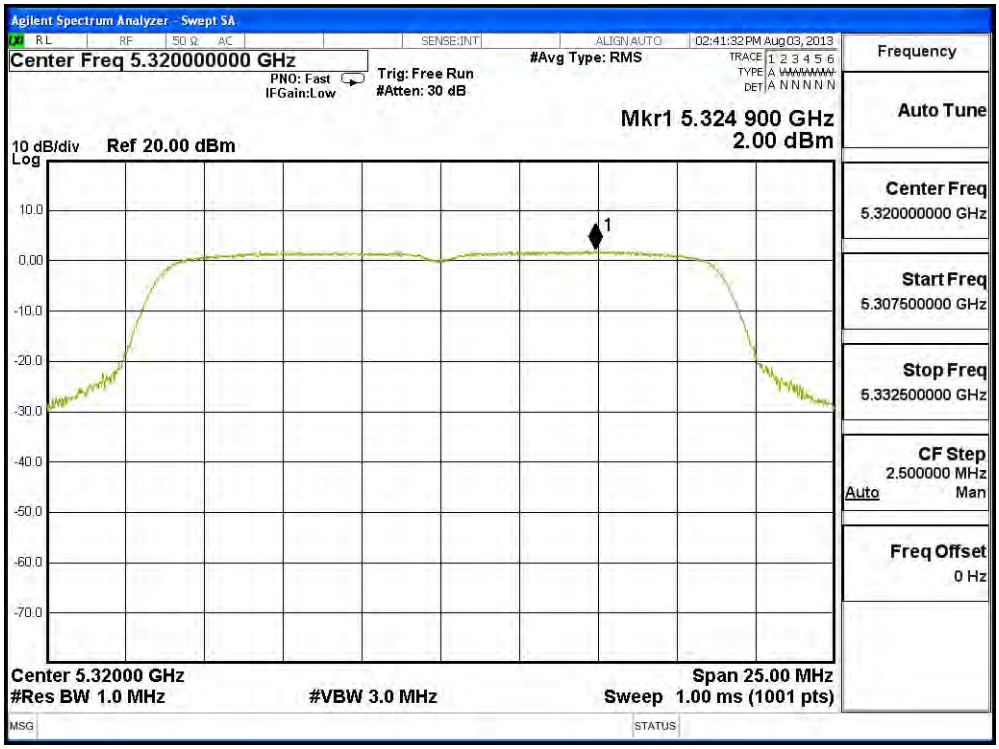
Channel 52 – Chain A



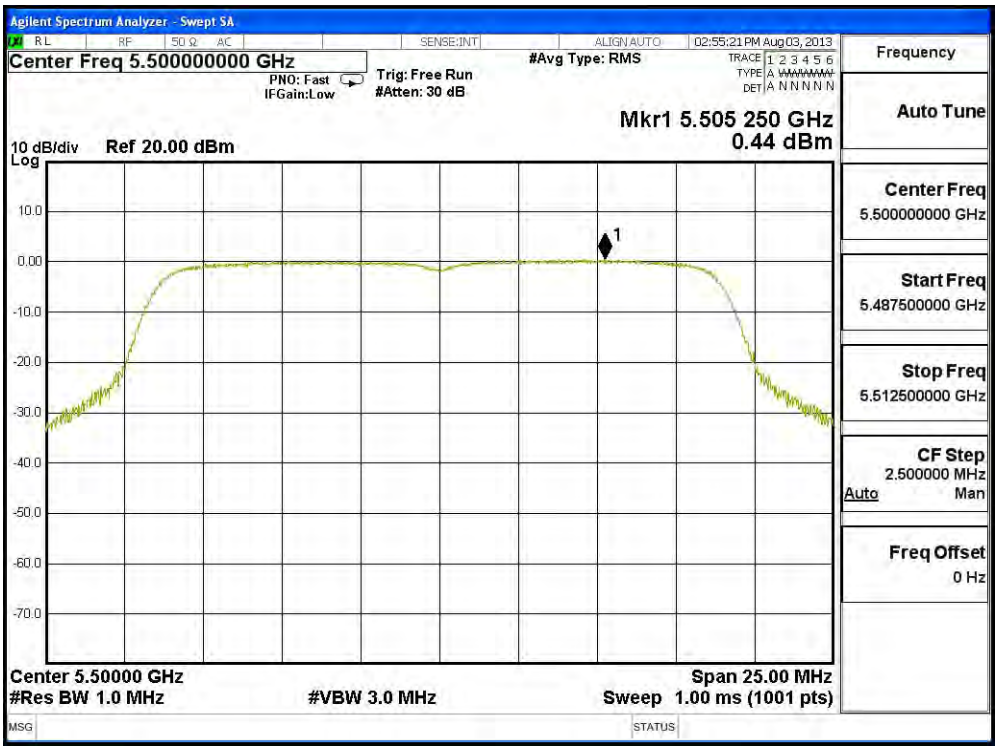
Channel 60 – Chain A



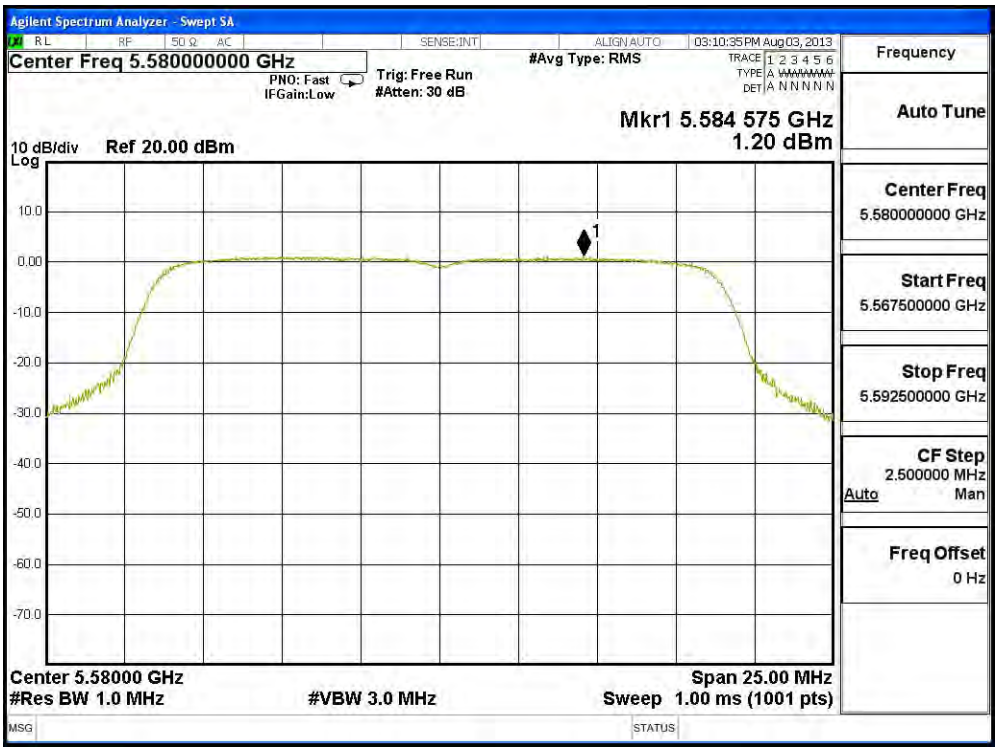
Channel 64 – Chain A



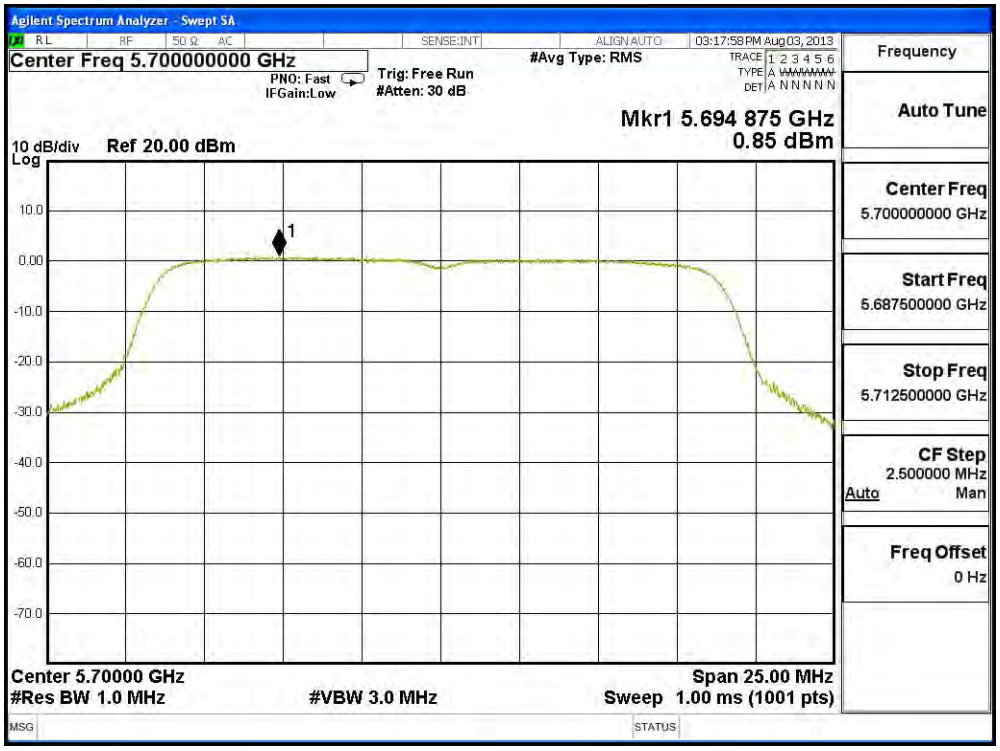
Channel 100 – Chain A



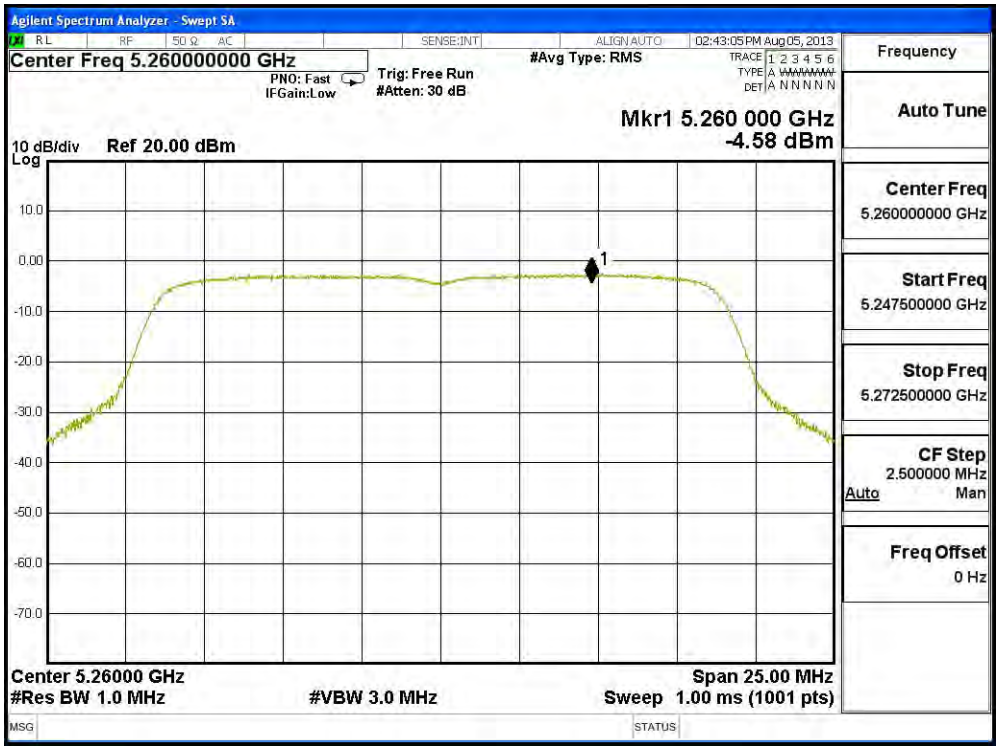
Channel 116 – Chain A



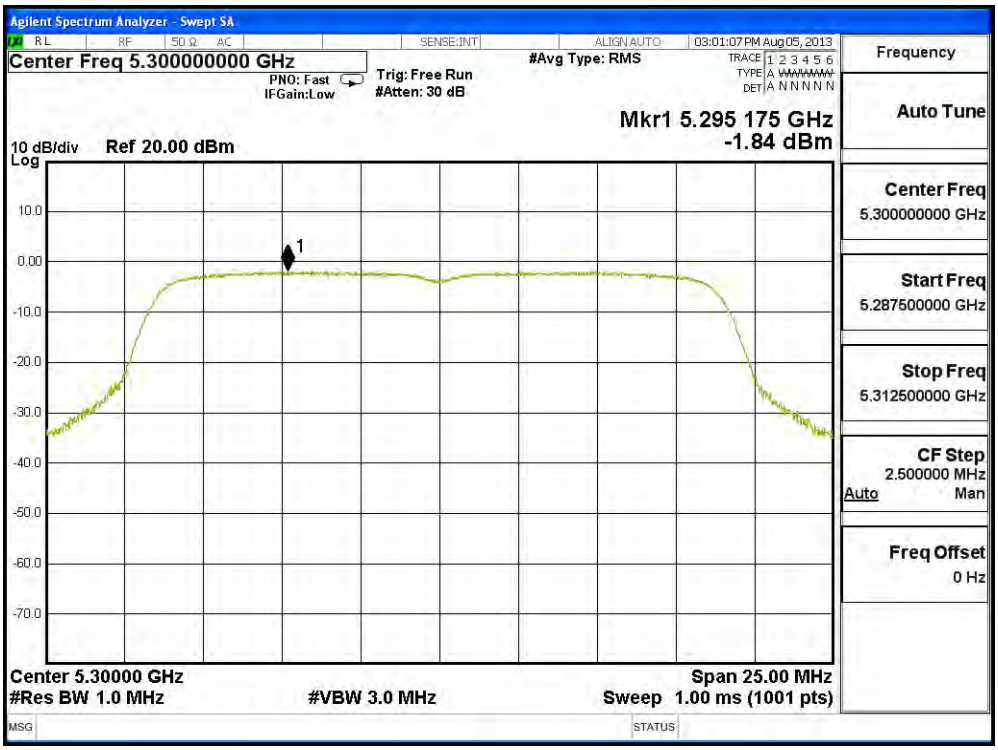
Channel 140 – Chain A



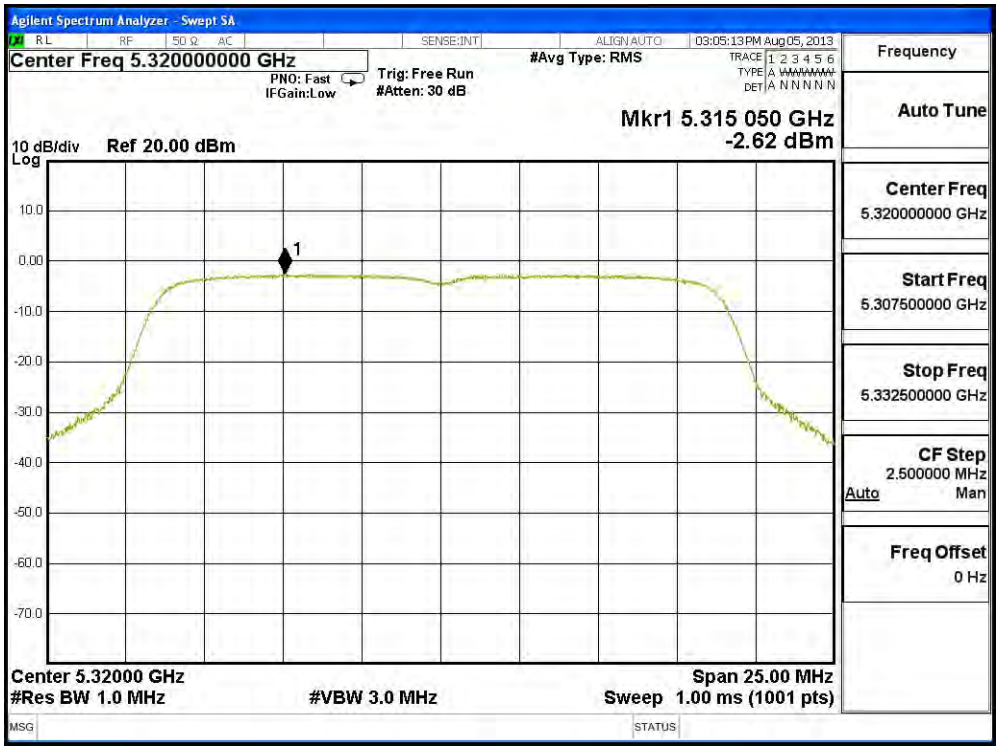
Channel 52 – Chain B



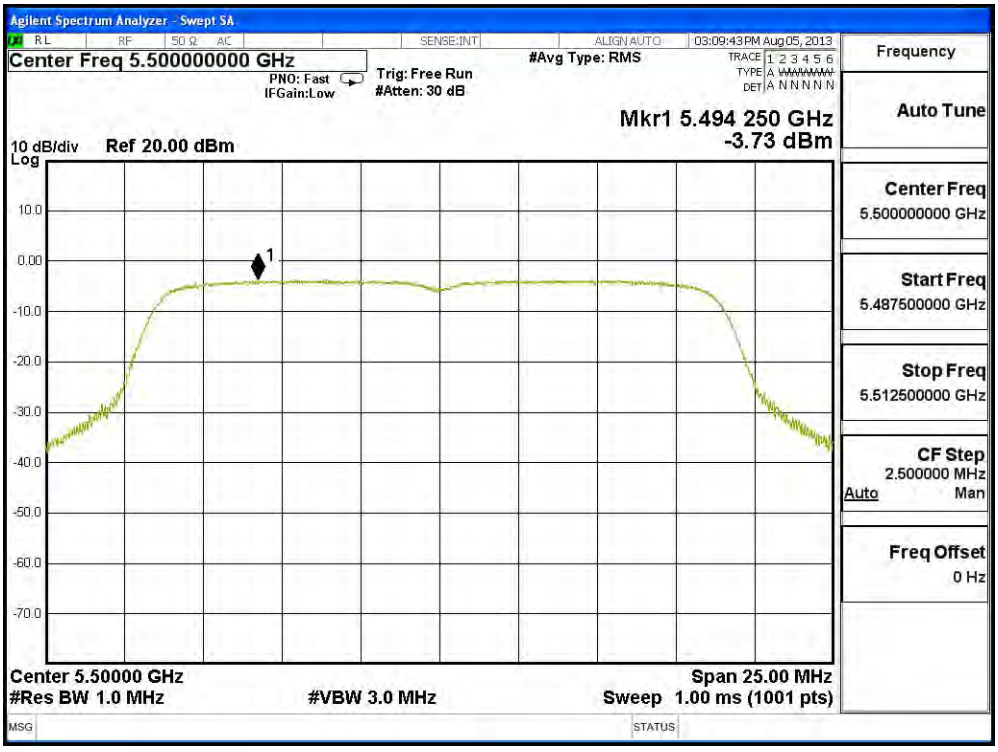
Channel 60 – Chain B



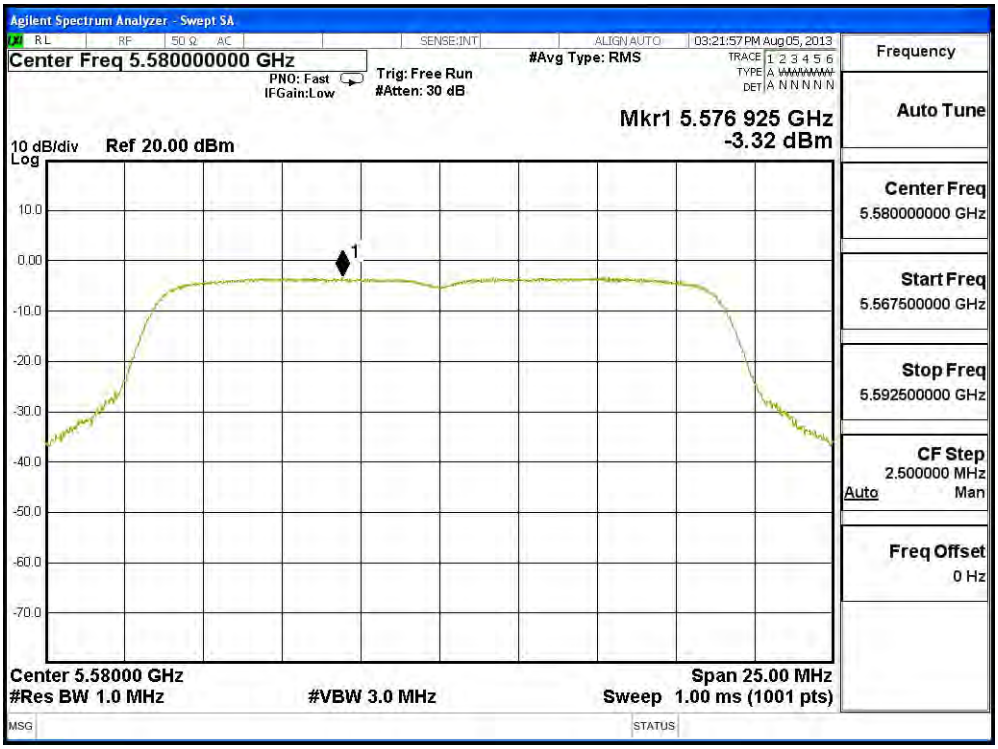
Channel 64 – Chain B



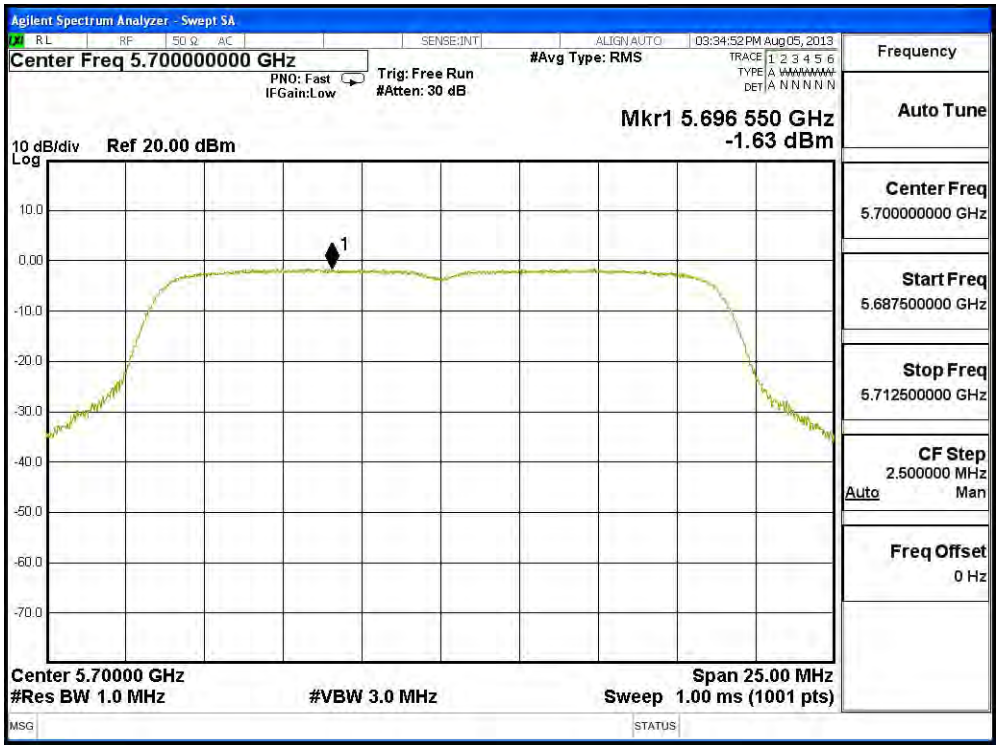
Channel 100 – Chain B



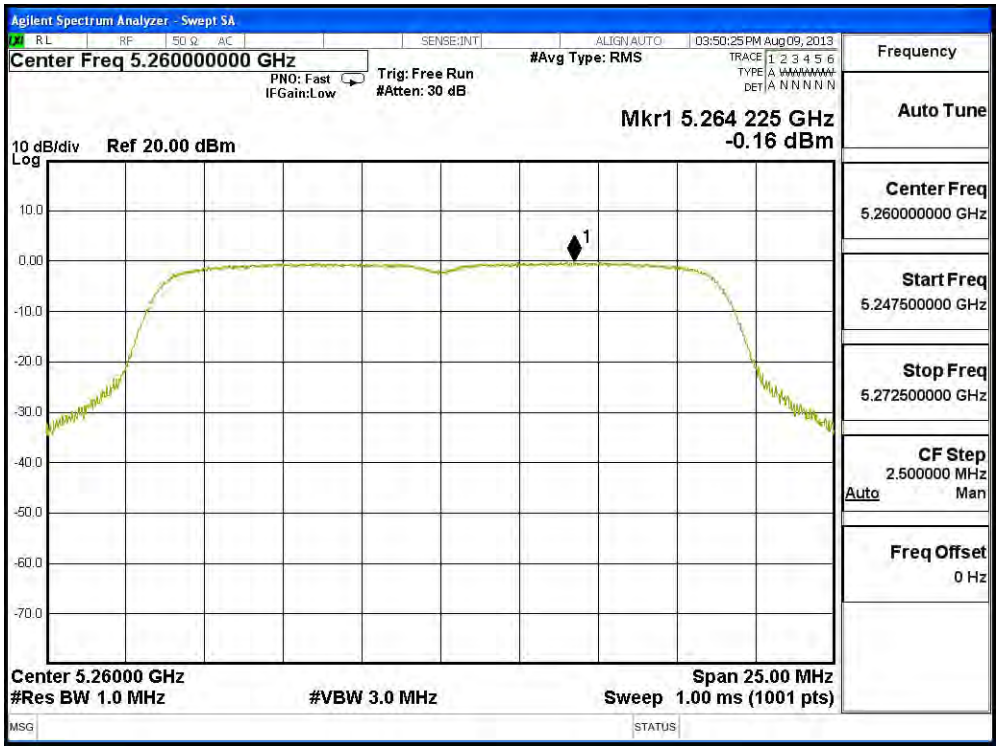
Channel 116 – Chain B



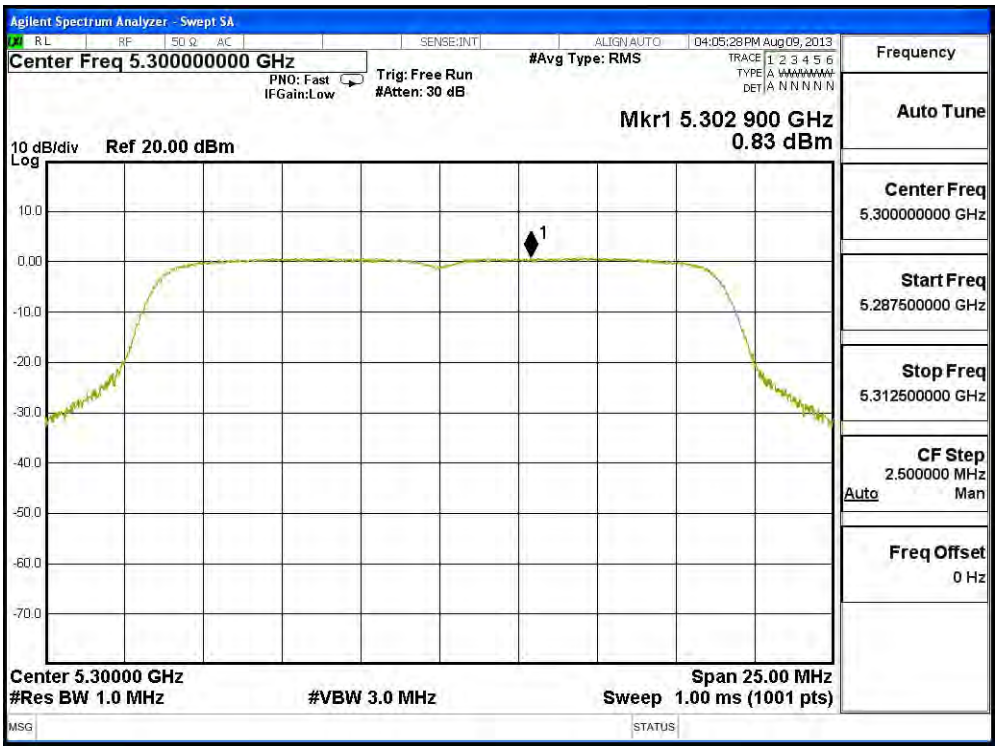
Channel 140 – Chain B



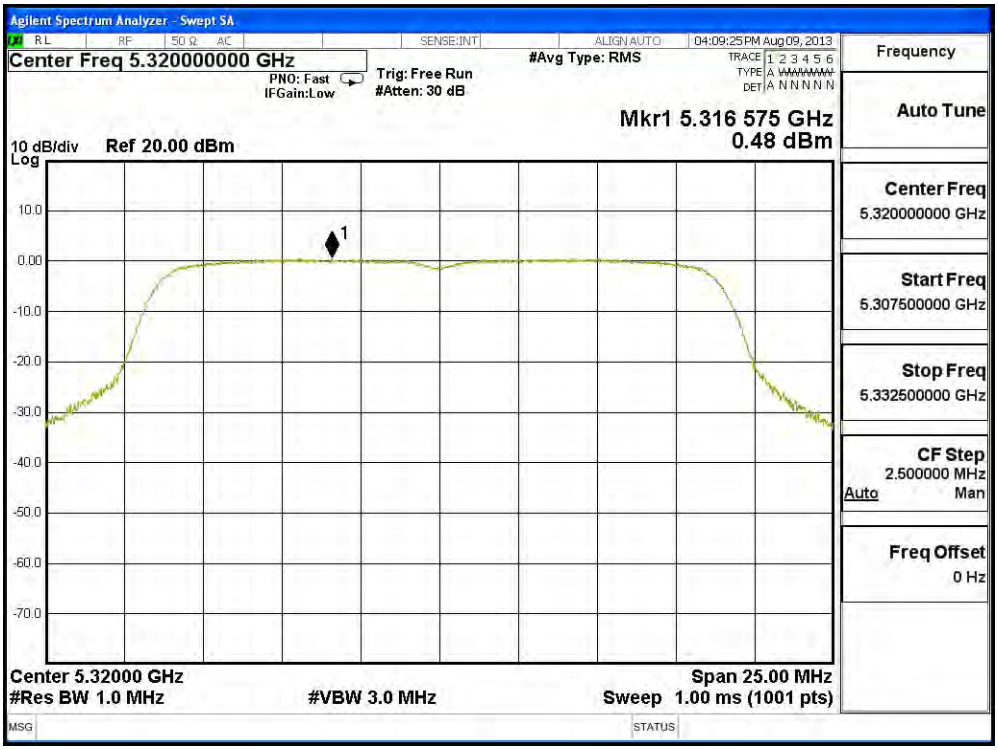
Channel 52 – Chain C



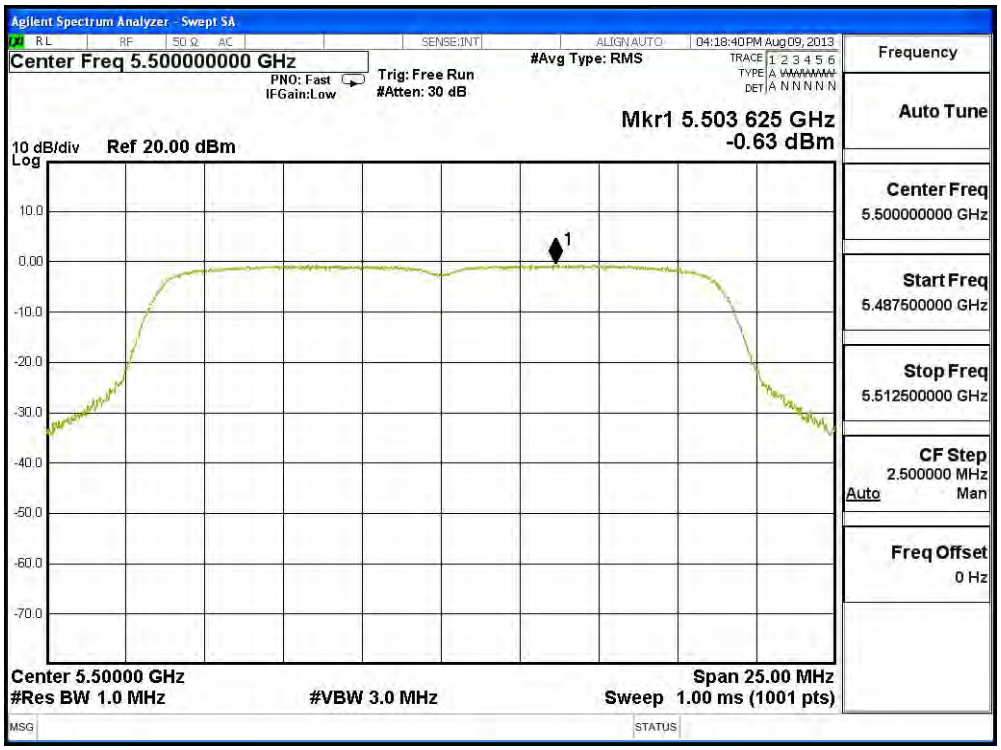
Channel 60 – Chain C



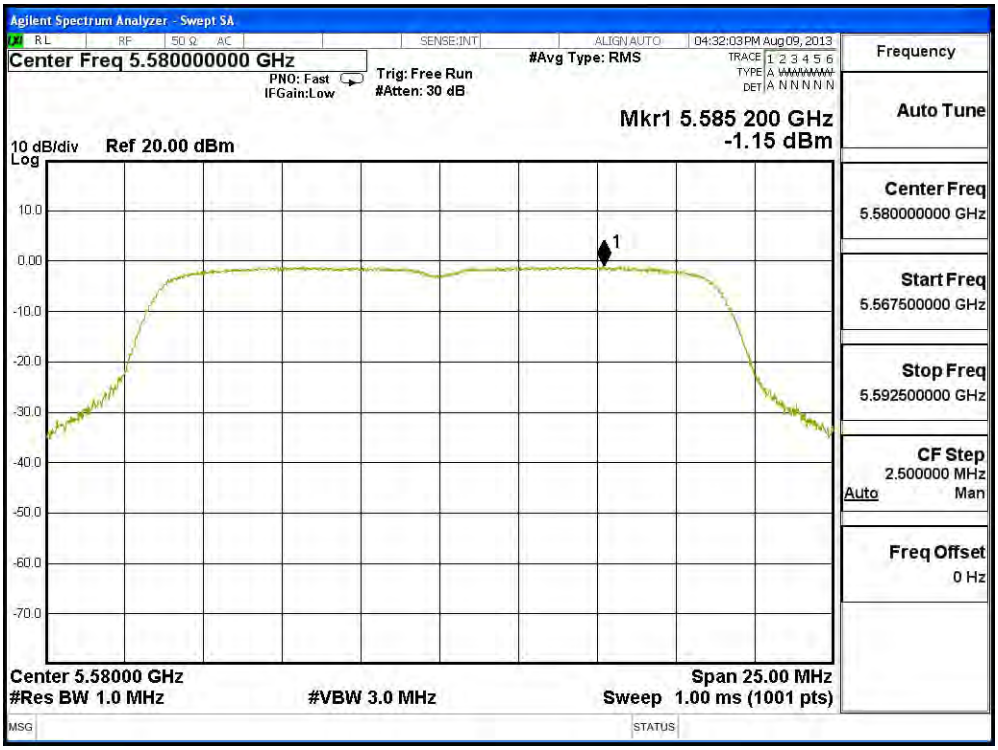
Channel 64 – Chain C



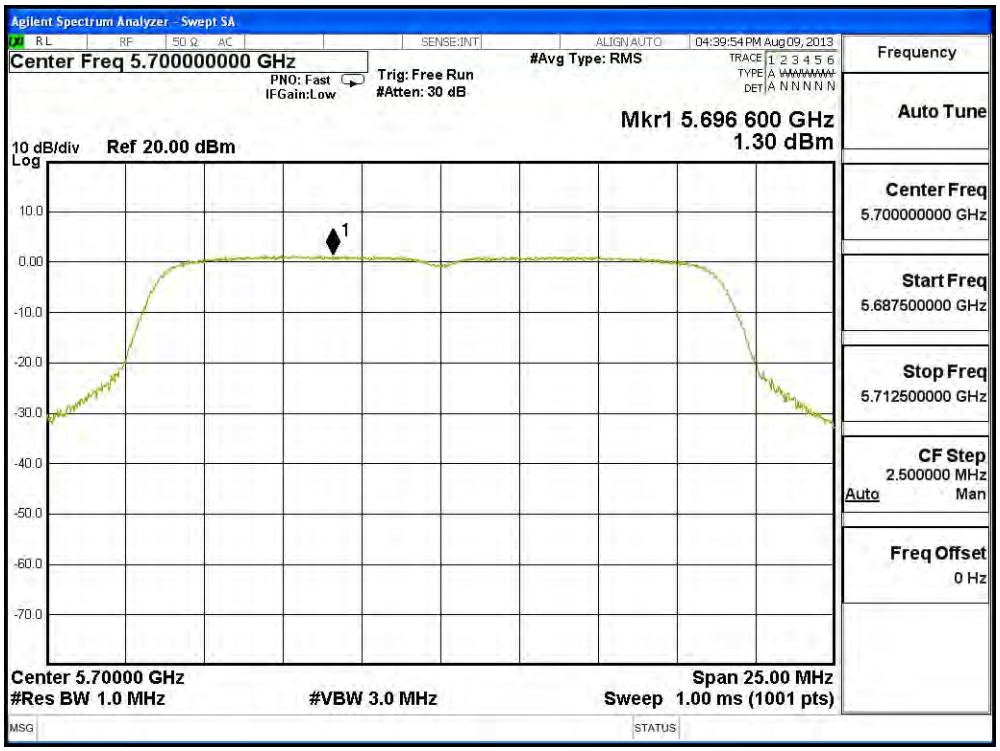
Channel 100 – Chain C



Channel 116 – Chain C



Channel 140 – Chain C

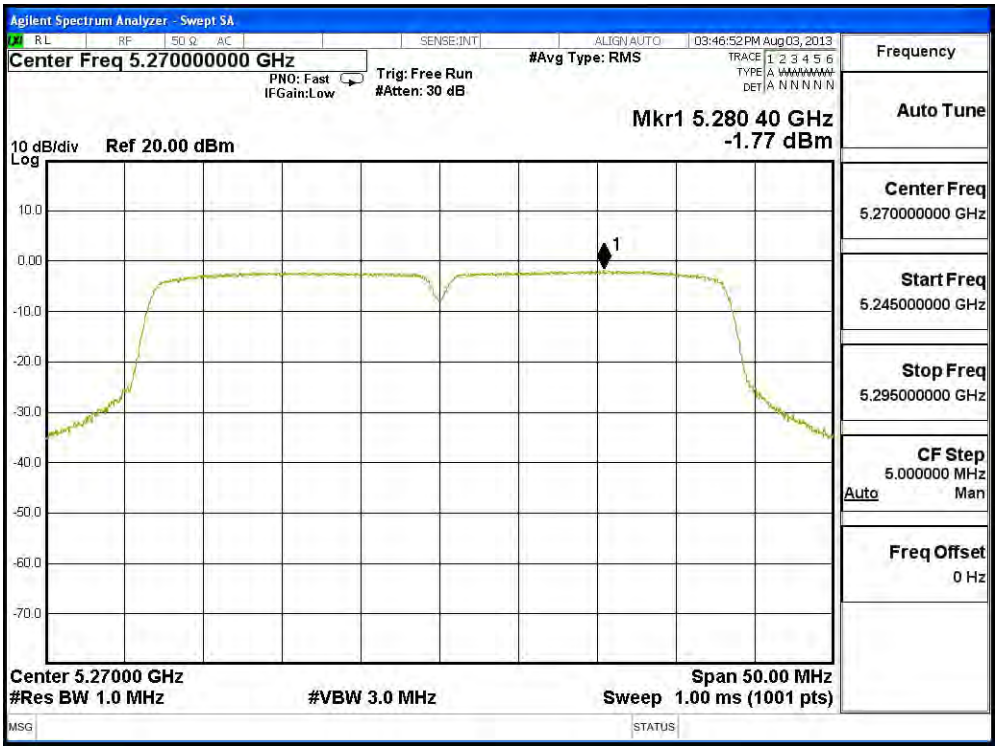


Product : SpectraGuard® Access Point / Sensor
Test Item : Peak Power Spectral Density
Test Site : No.3 OATS
Test Mode : Mode 3: Transmit (802.11n-40BW 45Mbps)(Dipole Antenna)

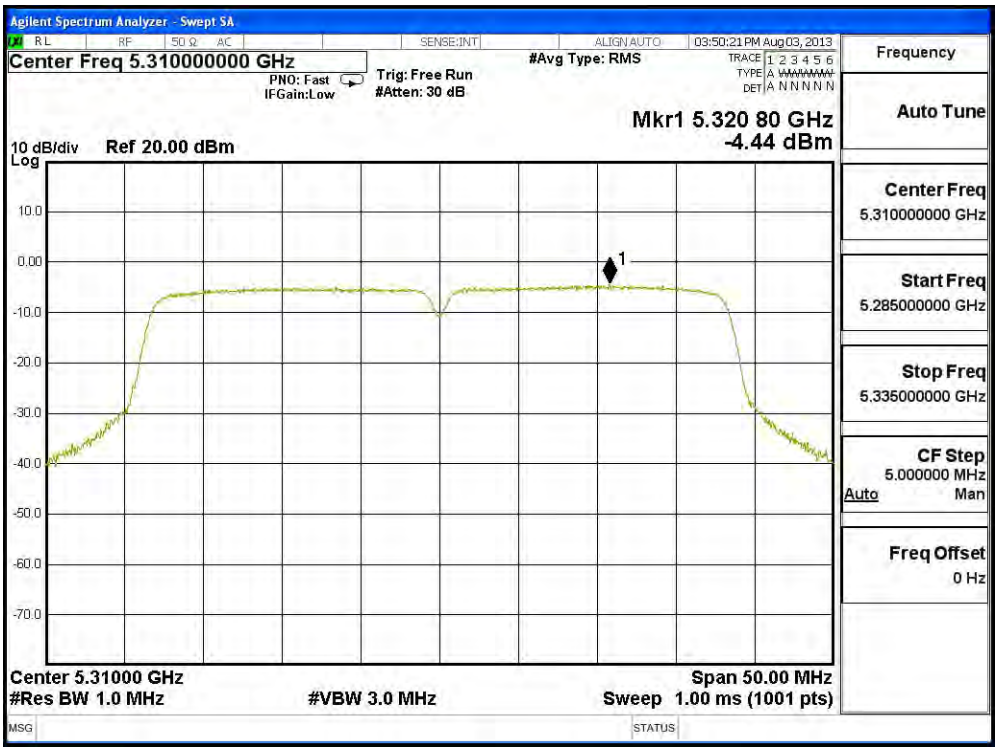
Channel No.	Frequency (MHz)	Chain (dBm)	PPSD/MHz (dBm)	Total PPSD/MHz (dBm)	Required Limit (dBm)	Result
54	5270	A	-1.770	3.001	<11	Pass
		B	-4.890	-0.119	<11	Pass
		C	-2.370	2.401	<11	Pass
62	5310	A	-4.440	0.331	<11	Pass
		B	-8.260	-3.489	<11	Pass
		C	-5.300	-0.529	<11	Pass
102	5510	A	-3.050	1.721	<11	Pass
		B	-7.460	-2.689	<11	Pass
		C	-4.170	0.601	<11	Pass
110	5550	A	-0.010	4.761	<11	Pass
		B	-4.150	0.621	<11	Pass
		C	-1.380	3.391	<11	Pass
134	5670	A	-1.240	3.531	<11	Pass
		B	-4.320	0.451	<11	Pass
		C	-1.790	2.981	<11	Pass

Note 1: The quantity 10*log 3 (two antennas) is added to the spectrum peak value according to document 662911 D01.

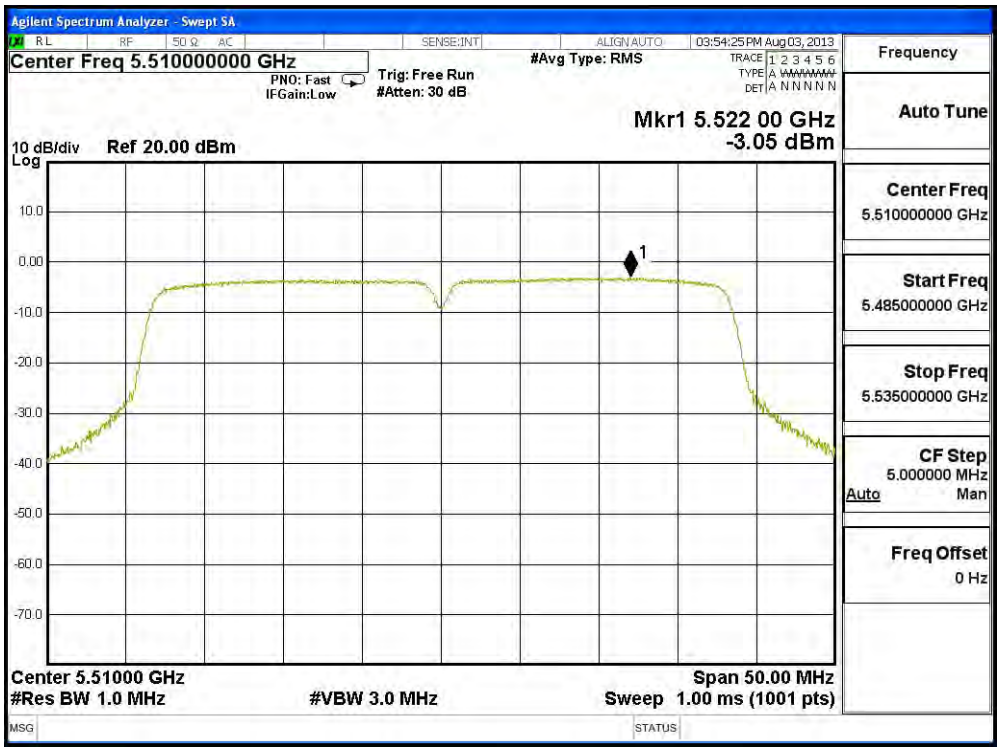
Channel 54 – Chain A



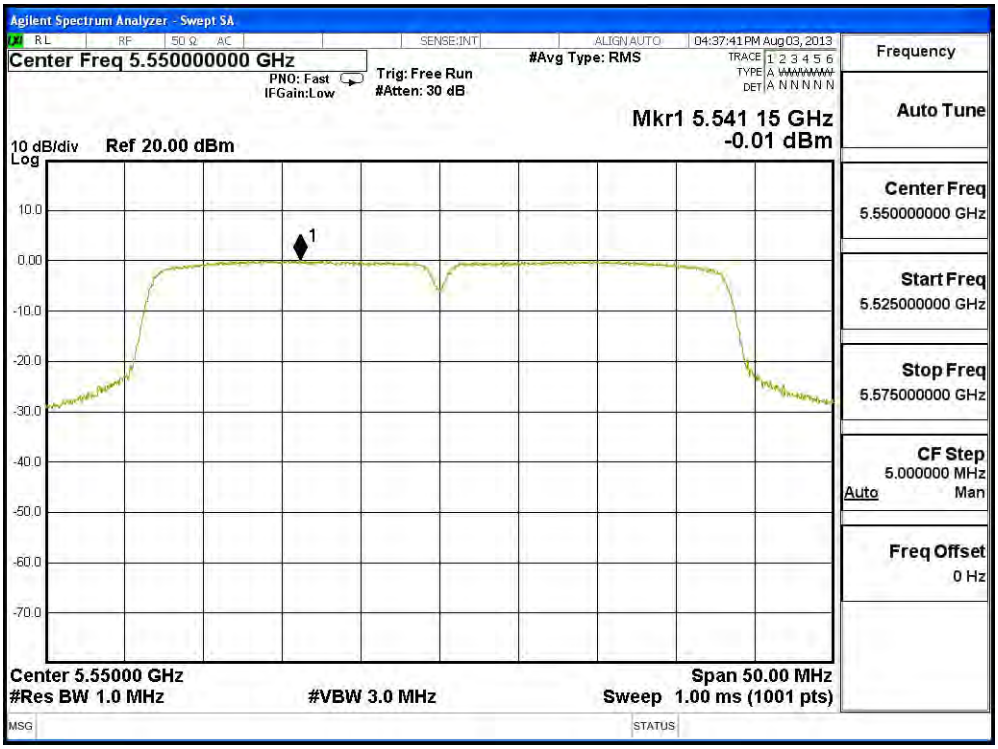
Channel 62 – Chain A



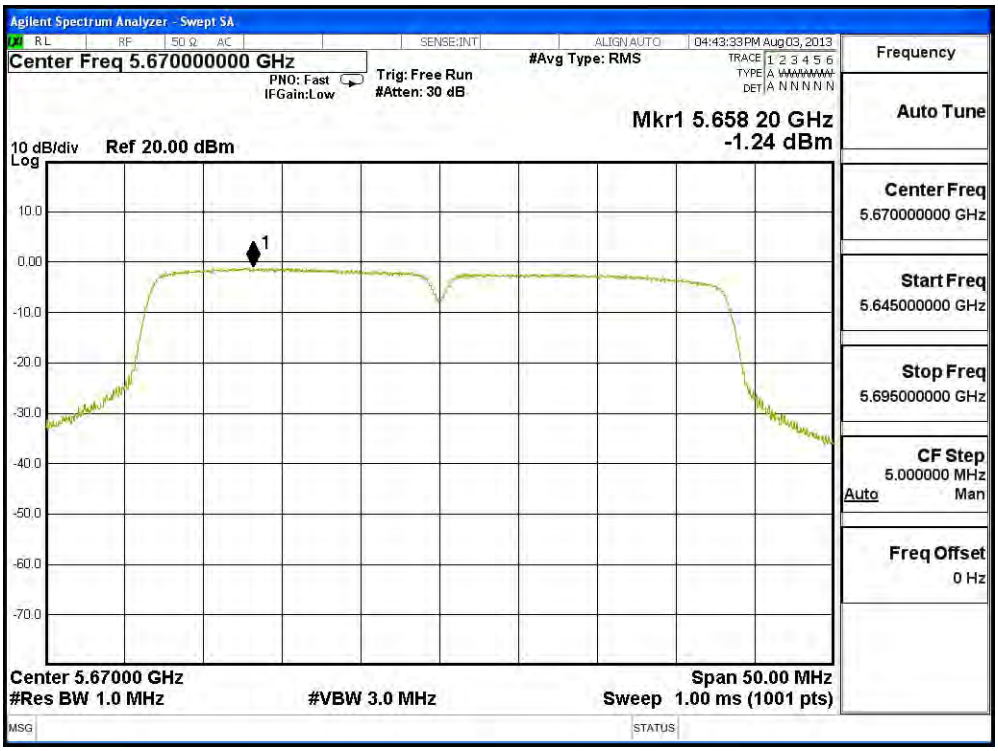
Channel 102 – Chain A



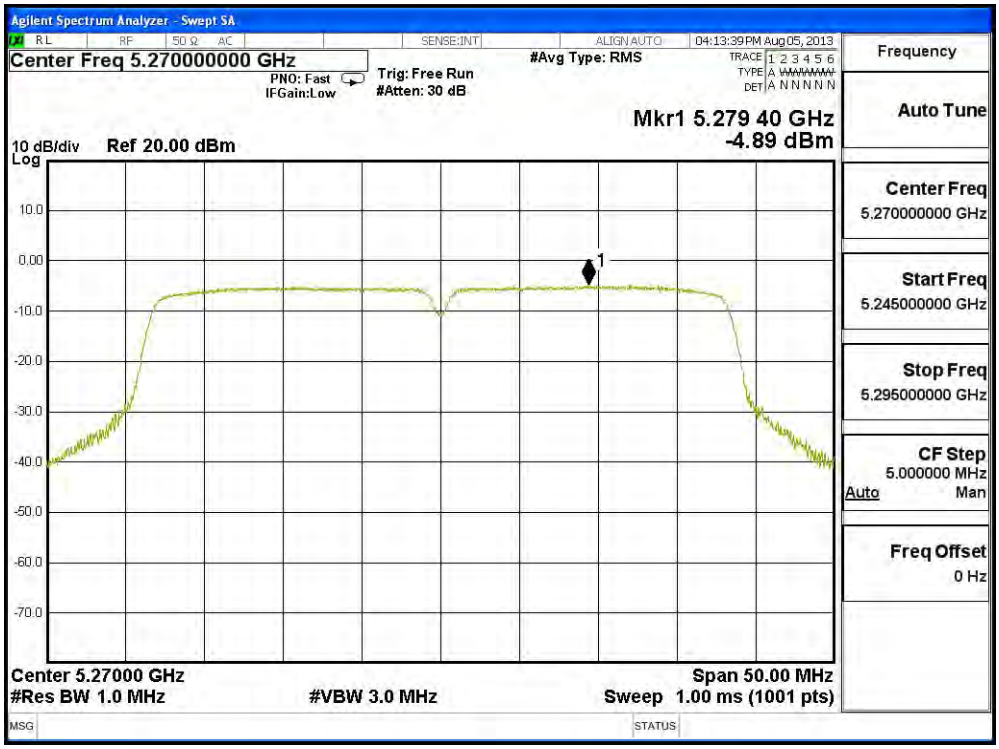
Channel 110 – Chain A



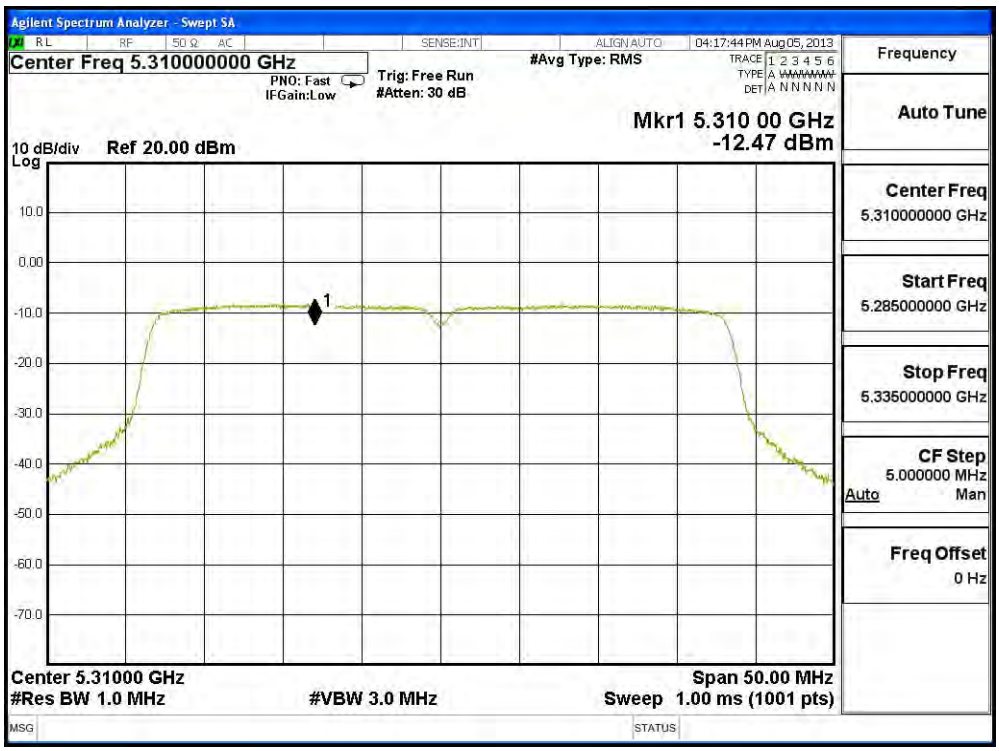
Channel 134 – Chain A



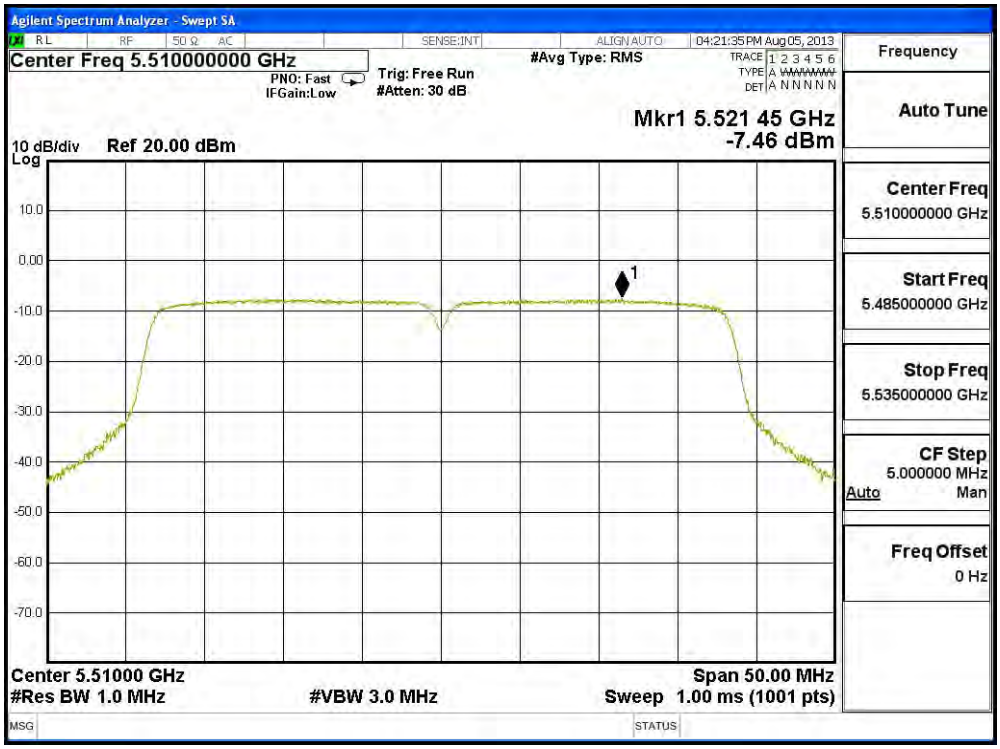
Channel 54 – Chain B



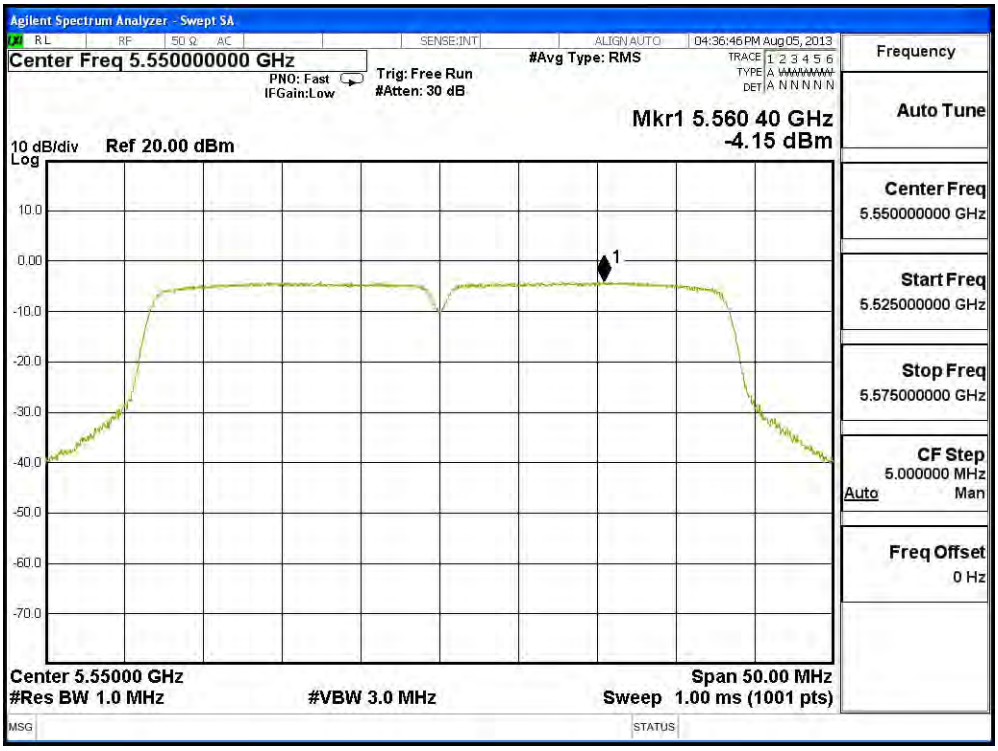
Channel 62 – Chain B



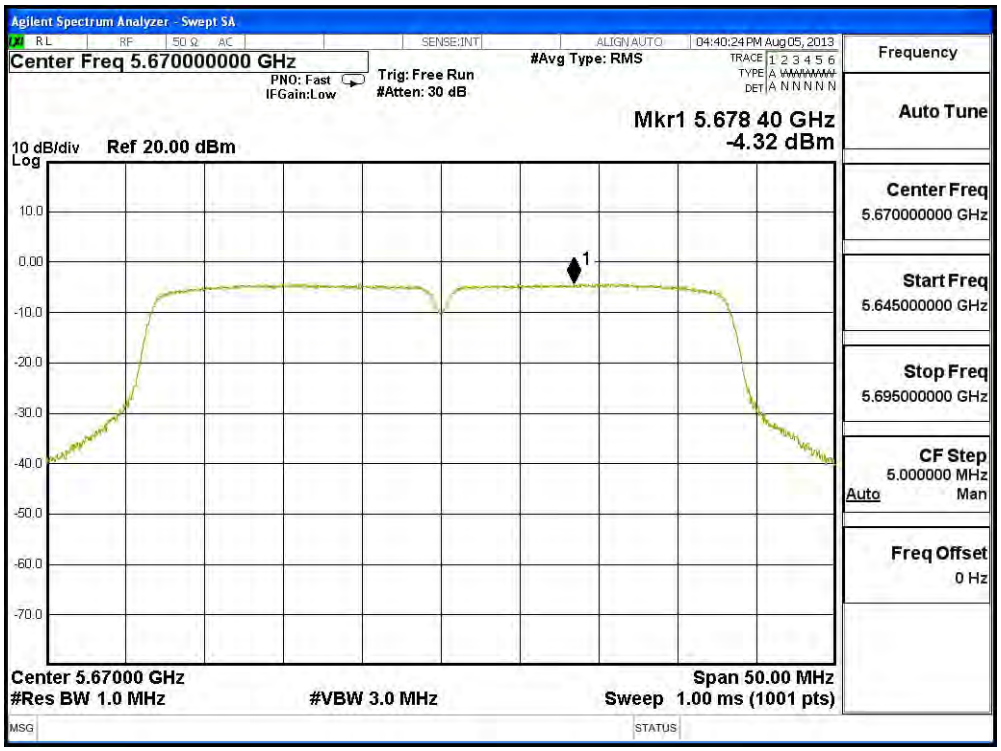
Channel 102 – Chain B



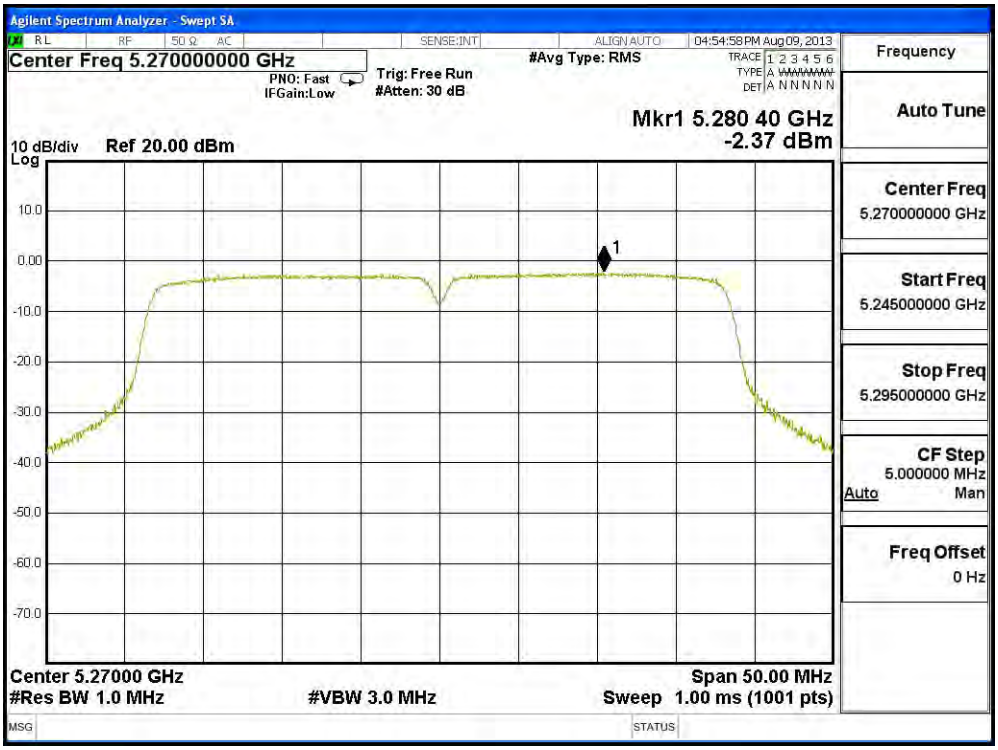
Channel 110 – Chain B



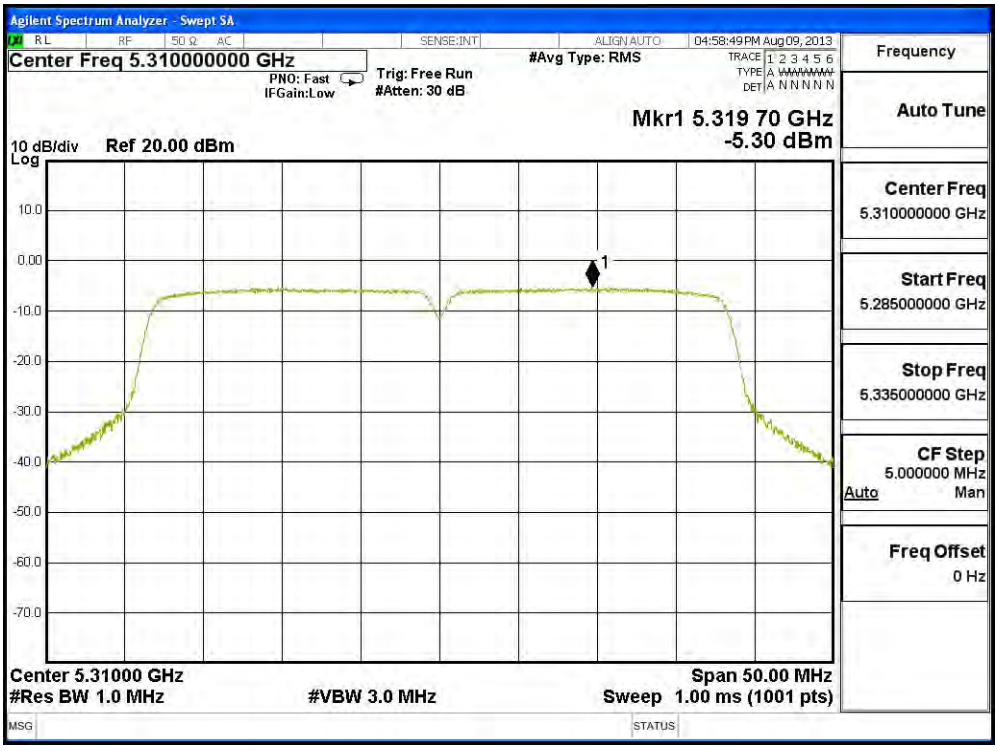
Channel 134 – Chain B



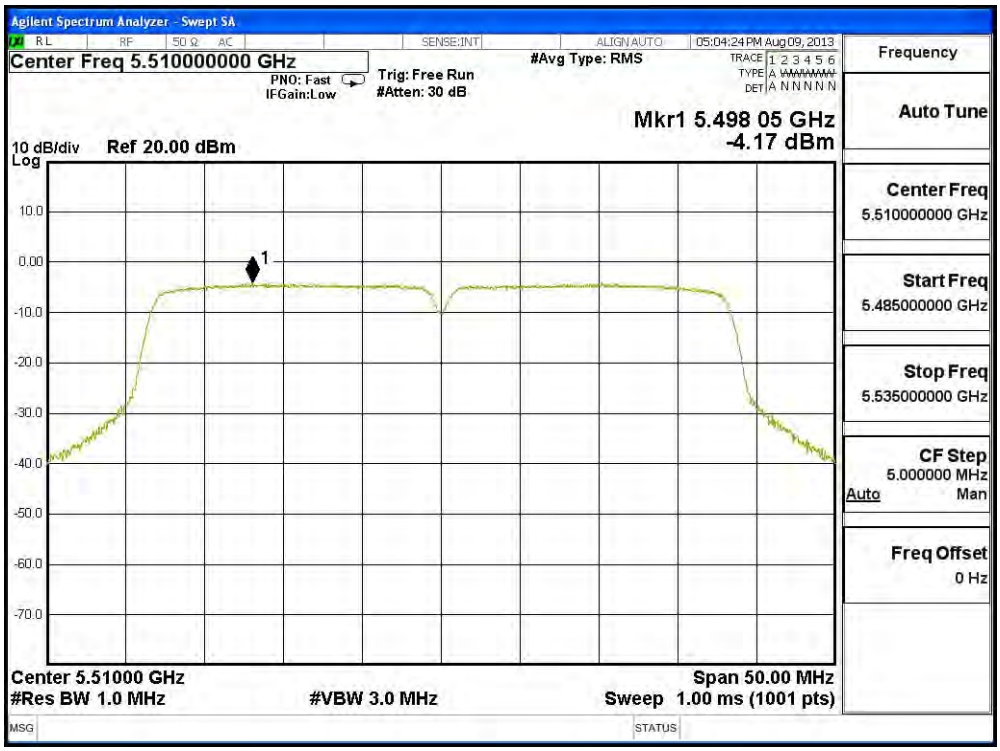
Channel 54 – Chain C



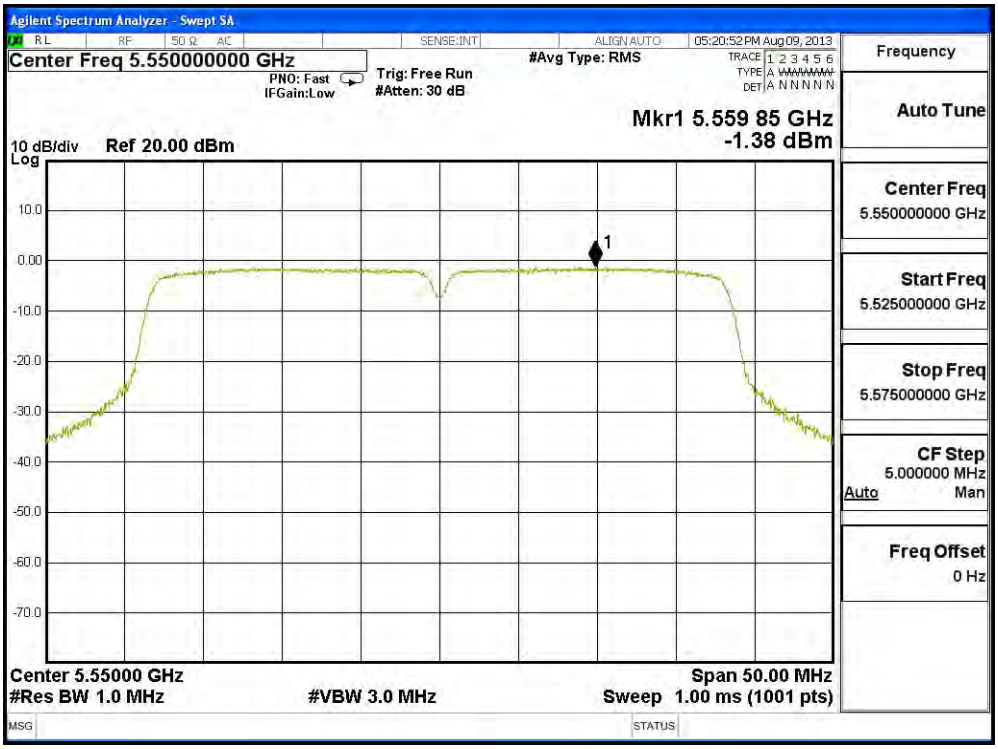
Channel 62 – Chain C



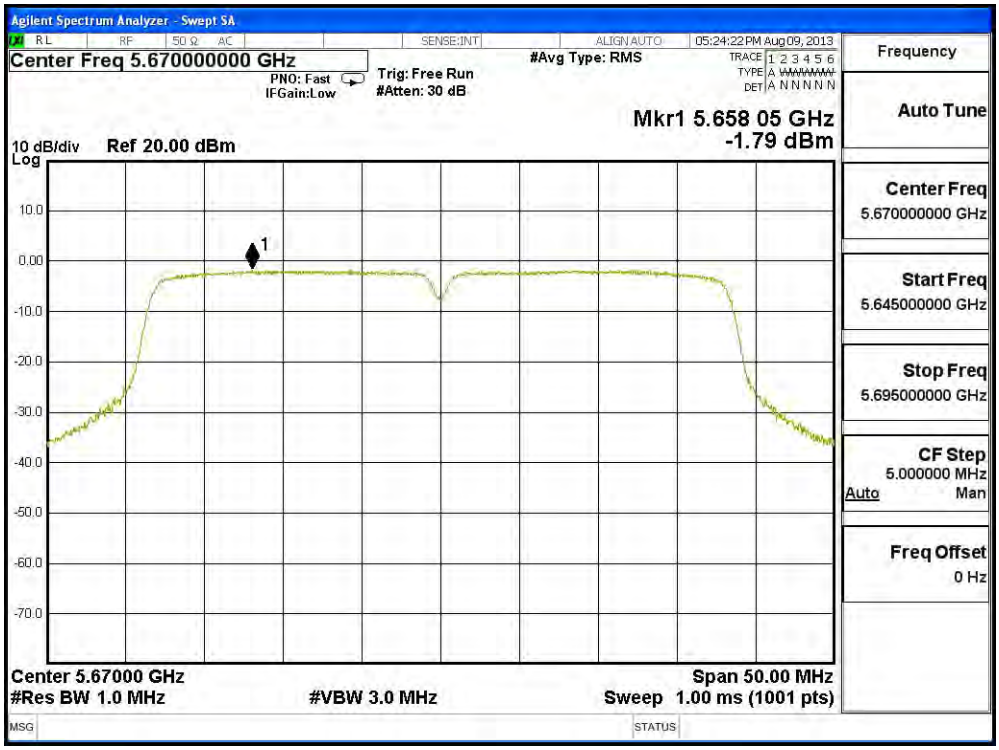
Channel 102 – Chain C



Channel 110 – Chain C



Channel 134 – Chain C

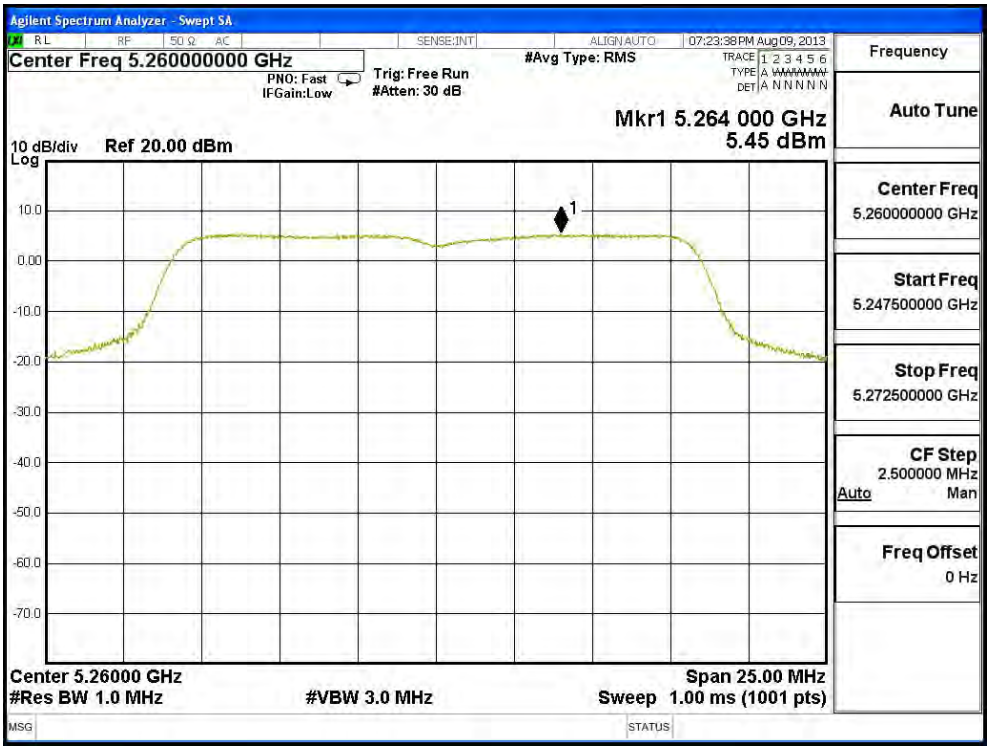


Product : SpectraGuard® Access Point / Sensor
Test Item : Peak Power Spectral Density
Test Site : No.3 OATS
Test Mode : Mode 4: Transmit (802.11a-6Mbps)(PIFA Antenna)

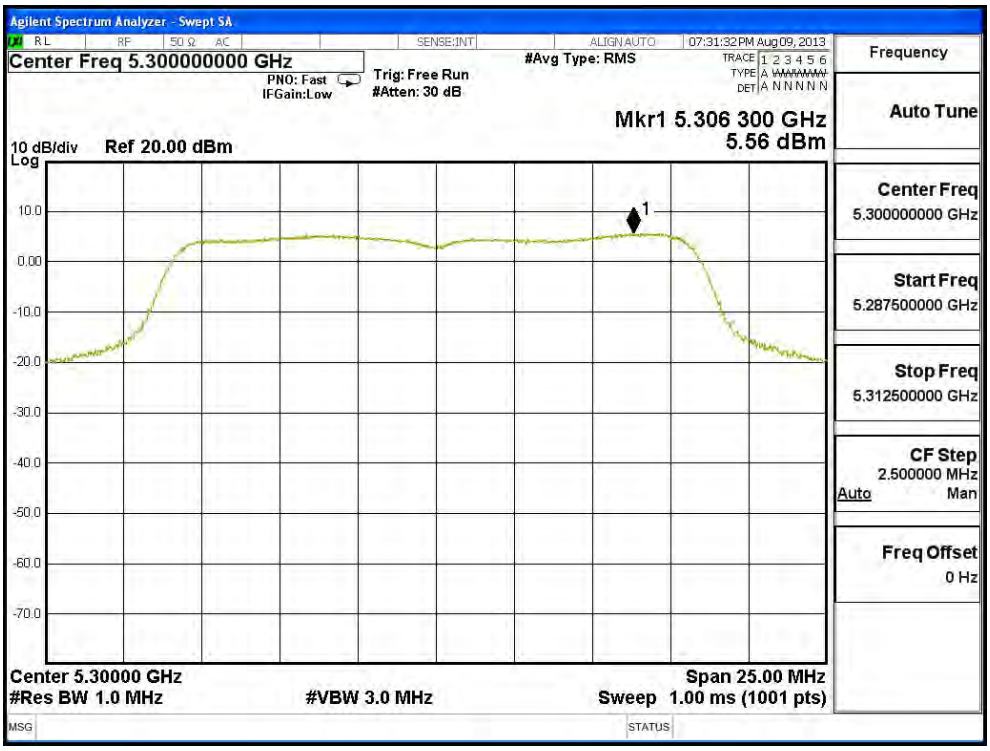
Channel No.	Frequency (MHz)	Chain (dBm)	PPSD/MHz (dBm)	Total PPSD/MHz (dBm)	Required Limit (dBm)	Result
52	5260	A	5.450	10.221	<11	Pass
		B	1.700	6.471	<11	Pass
		C	4.280	9.051	<11	Pass
60	5300	A	5.560	10.331	<11	Pass
		B	2.130	6.901	<11	Pass
		C	4.240	9.011	<11	Pass
64	5320	A	5.840	10.611	<11	Pass
		B	1.070	5.841	<11	Pass
		C	4.080	8.851	<11	Pass
100	5500	A	4.540	9.311	<11	Pass
		B	0.480	5.251	<11	Pass
		C	4.060	8.831	<11	Pass
116	5580	A	5.600	10.371	<11	Pass
		B	0.200	4.971	<11	Pass
		C	3.740	8.511	<11	Pass
140	5700	A	5.720	10.491	<11	Pass
		B	2.980	7.751	<11	Pass
		C	5.340	10.111	<11	Pass

Note 1: The quantity 10*log 3 (two antennas) is added to the spectrum peak value according to document 662911 D01.

Channel 52: CHAIN A

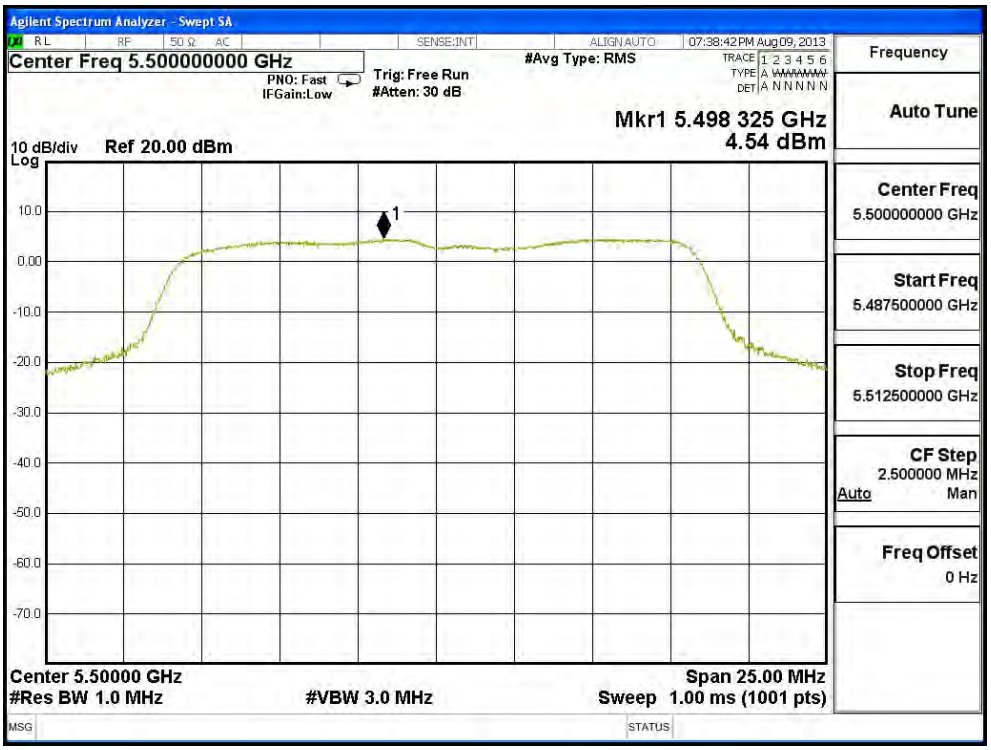


Channel 60: CHAIN A

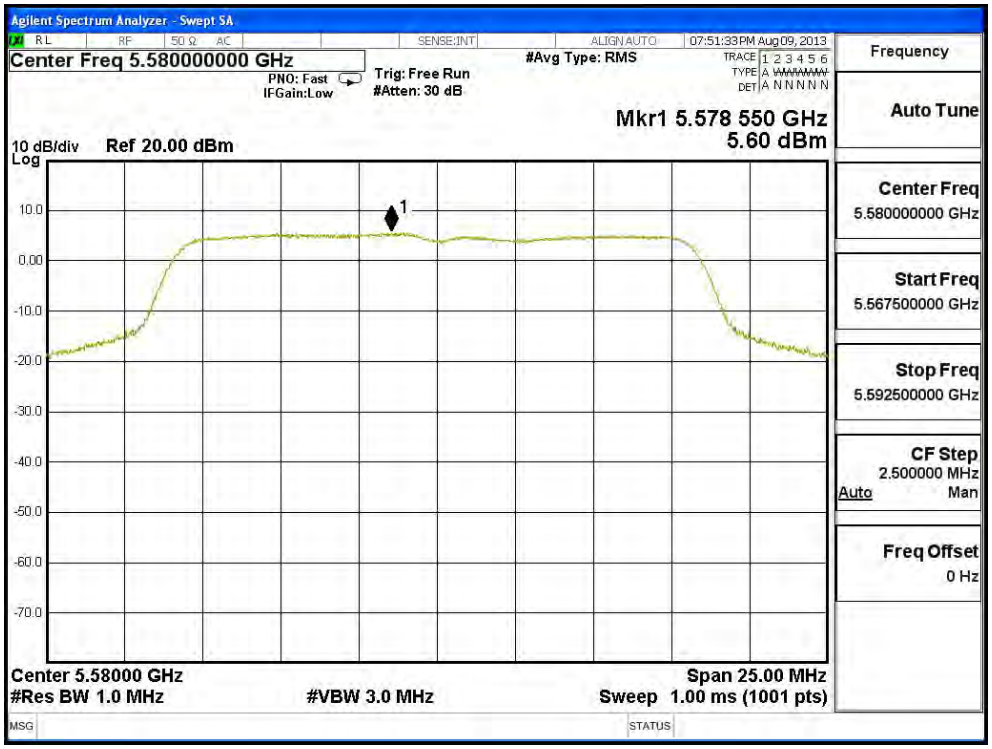


Channel 64: CHAIN A

Channel 100: CHAIN A



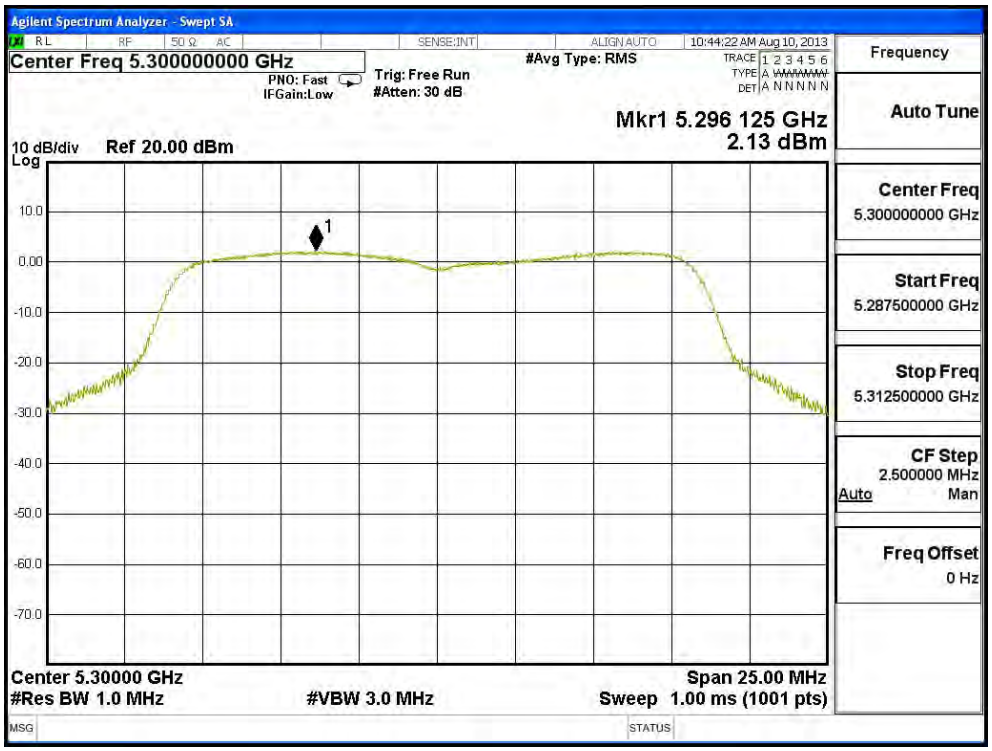
Channel 116: CHAIN A



Channel 140: CHAIN A

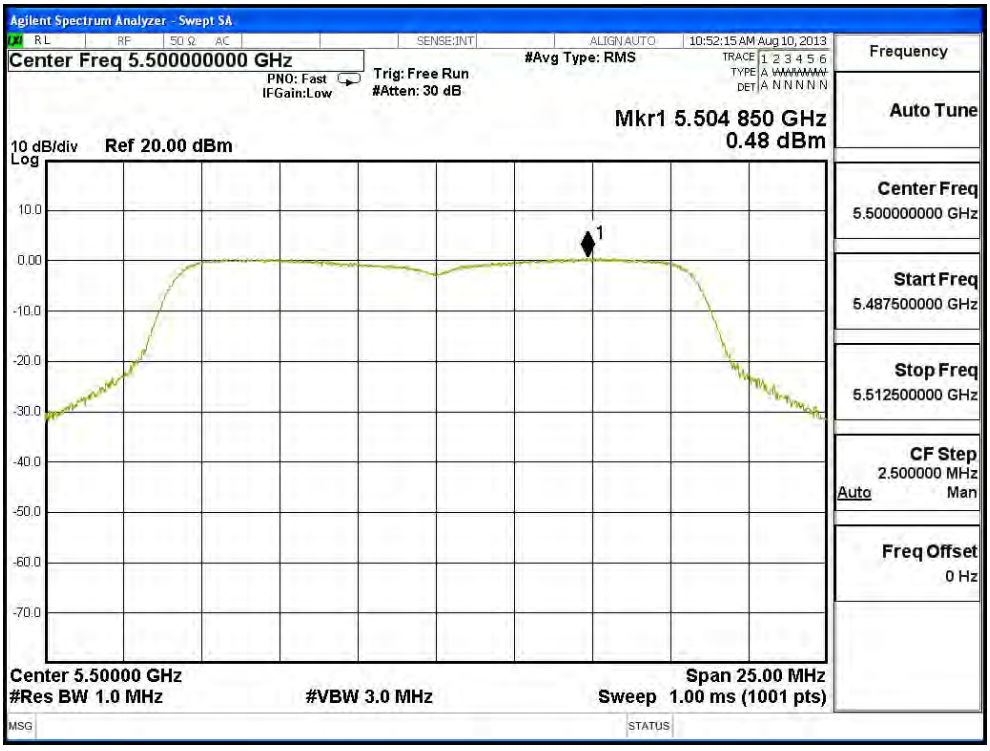
Channel 52: CHAIN B

Channel 60: CHAIN B



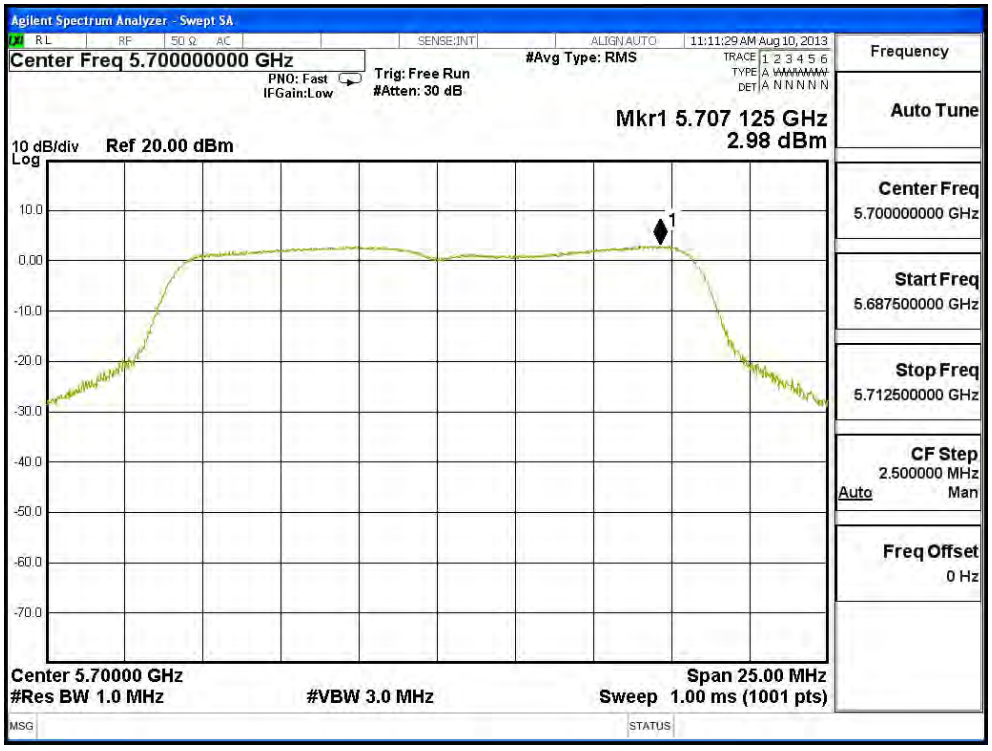
Channel 64: CHAIN B

Channel 100: CHAIN B

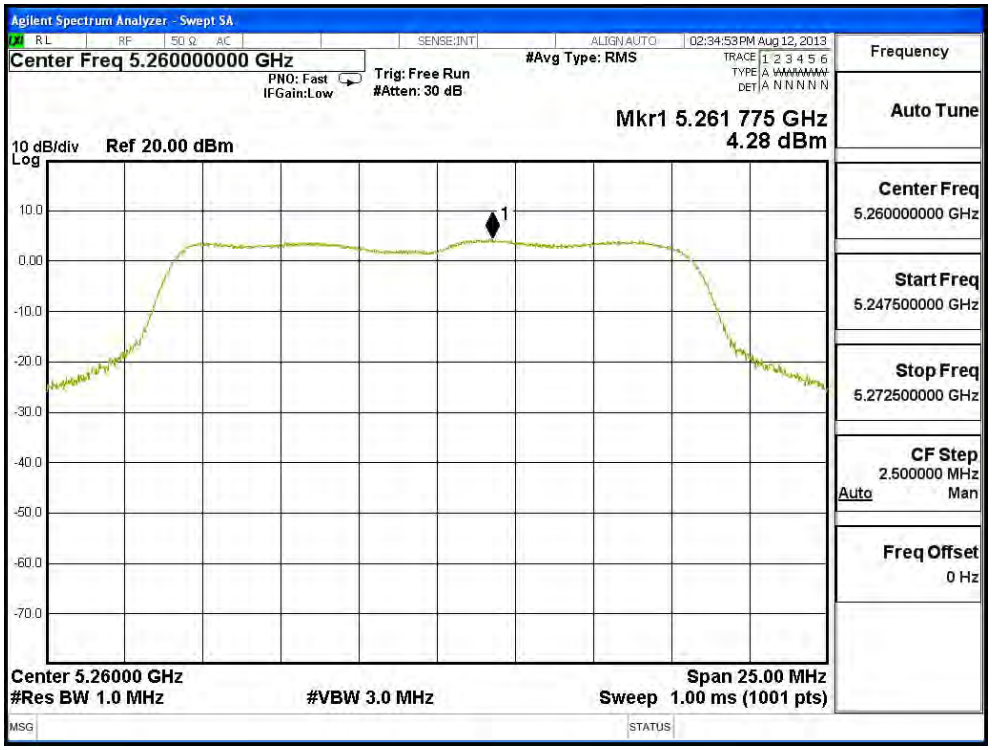


Channel 116: CHAIN B

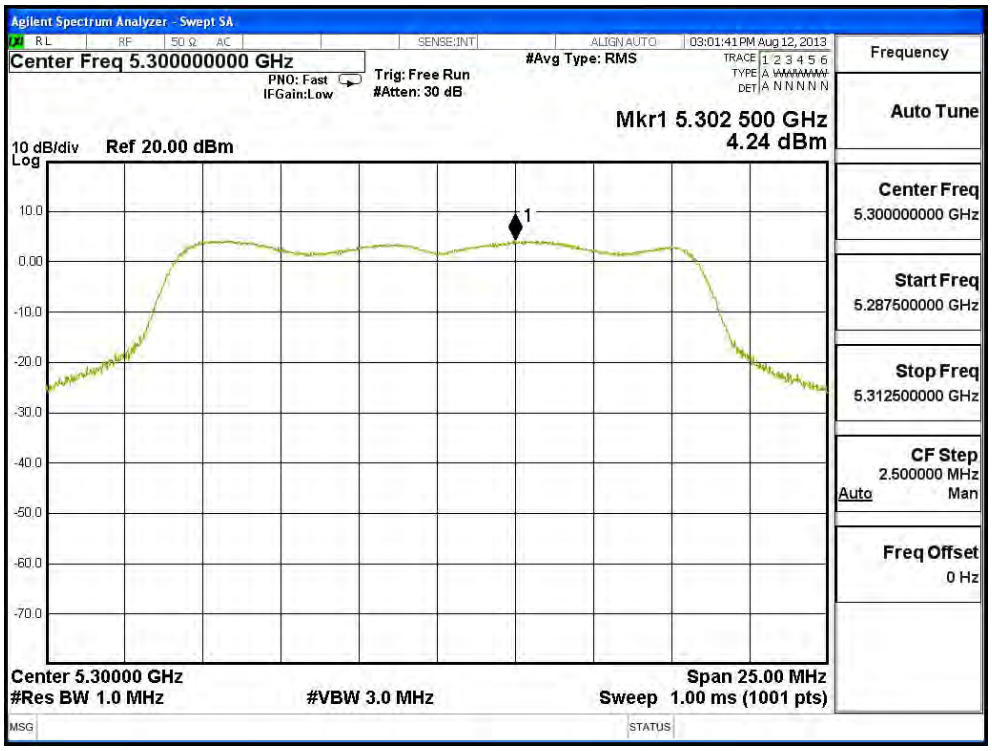
Channel 140: CHAIN B



Channel 52: CHAIN C

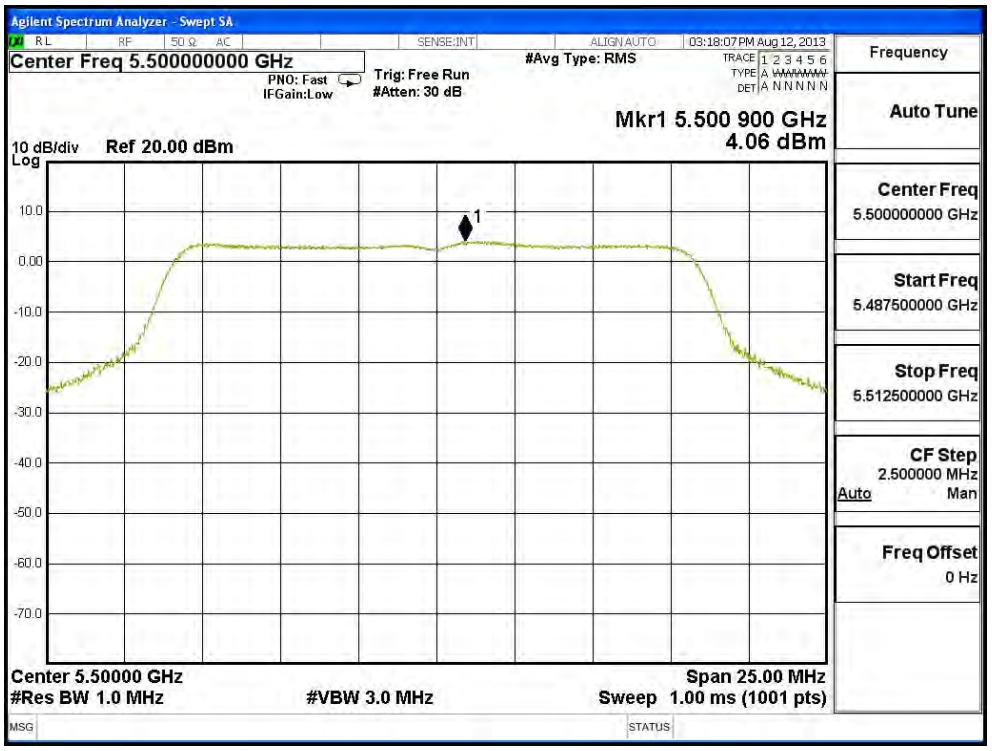


Channel 60: CHAIN C

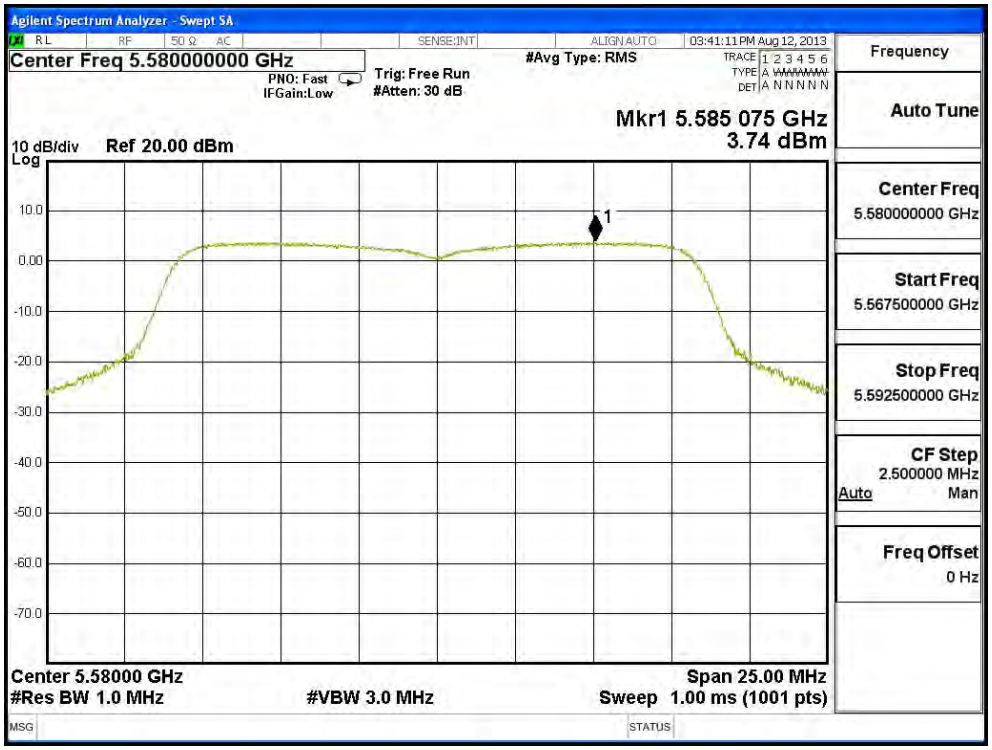


Channel 64: CHAIN C

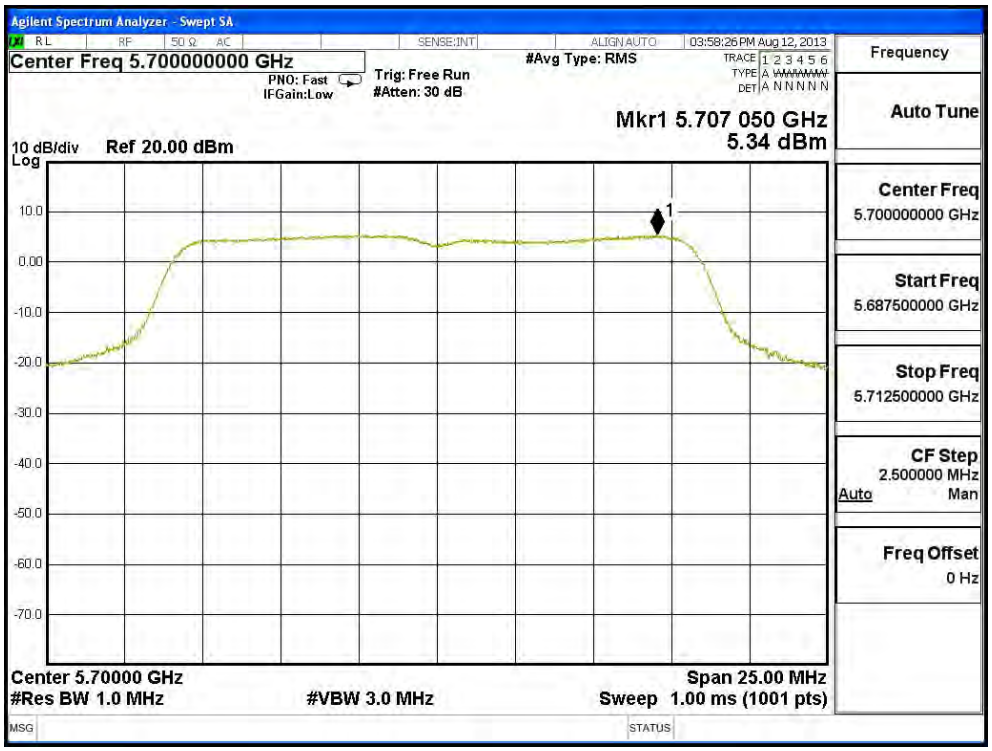
Channel 100: CHAIN C



Channel 116: CHAIN C



Channel 140: CHAIN C

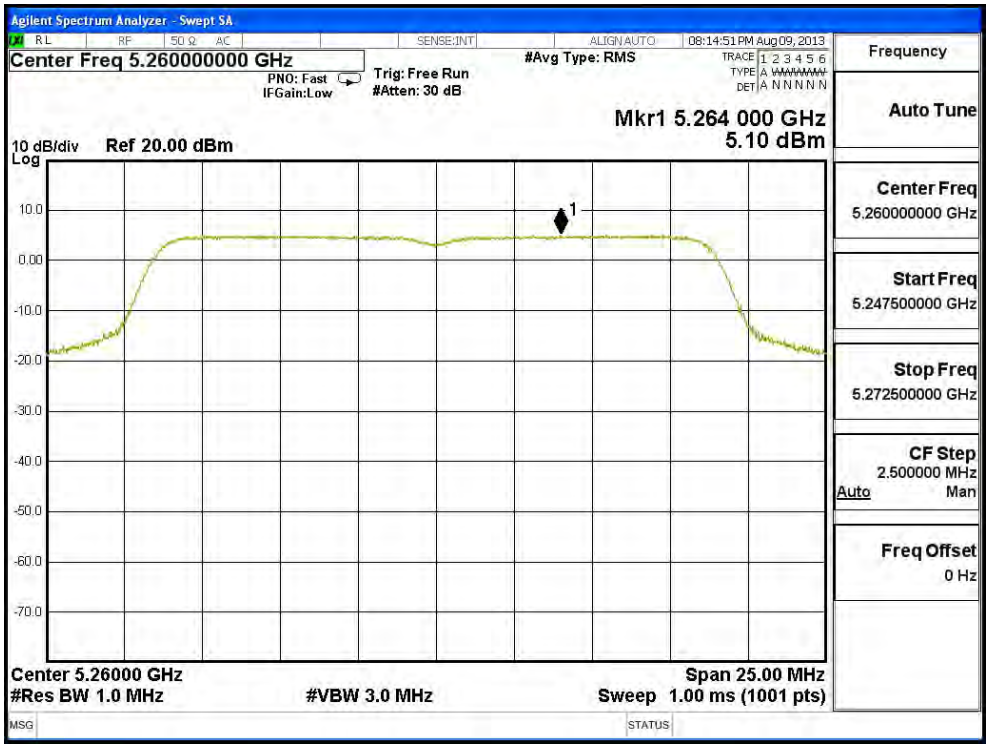


Product : SpectraGuard® Access Point / Sensor
Test Item : Peak Power Spectral Density
Test Site : No.3 OATS
Test Mode : Mode 5: Transmit (802.11n-20BW 21.7Mbps)(PIFA Antenna)

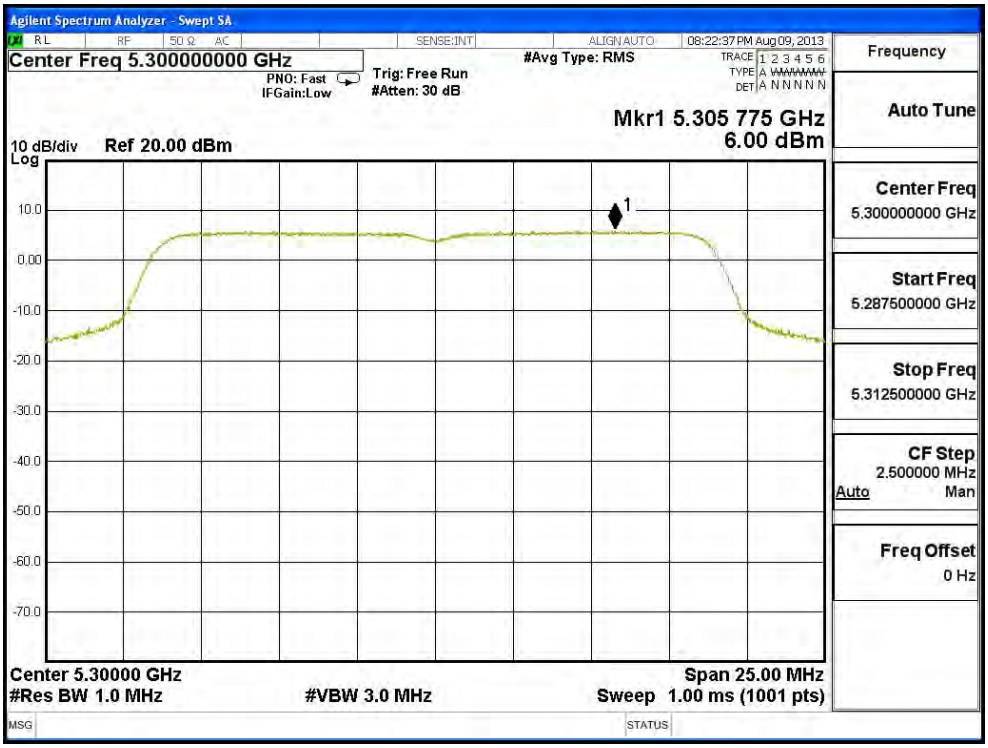
Channel No.	Frequency (MHz)	Chain (dBm)	PPSD/MHz (dBm)	Total PPSD/MHz (dBm)	Required Limit (dBm)	Result
52	5260	A	5.100	9.871	<11	Pass
		B	1.470	6.241	<11	Pass
		C	3.680	8.451	<11	Pass
60	5300	A	6.000	10.771	<11	Pass
		B	2.770	7.541	<11	Pass
		C	4.870	9.641	<11	Pass
64	5320	A	5.860	10.631	<11	Pass
		B	1.410	6.181	<11	Pass
		C	4.140	8.911	<11	Pass
100	5500	A	4.220	8.991	<11	Pass
		B	-0.460	4.311	<11	Pass
		C	4.310	9.081	<11	Pass
116	5580	A	5.220	9.991	<11	Pass
		B	-0.160	4.611	<11	Pass
		C	3.070	7.841	<11	Pass
140	5700	A	5.100	9.871	<11	Pass
		B	1.470	6.241	<11	Pass
		C	4.640	9.411	<11	Pass

Note 1: The quantity 10*log 3 (two antennas) is added to the spectrum peak value according to document 662911 D01.

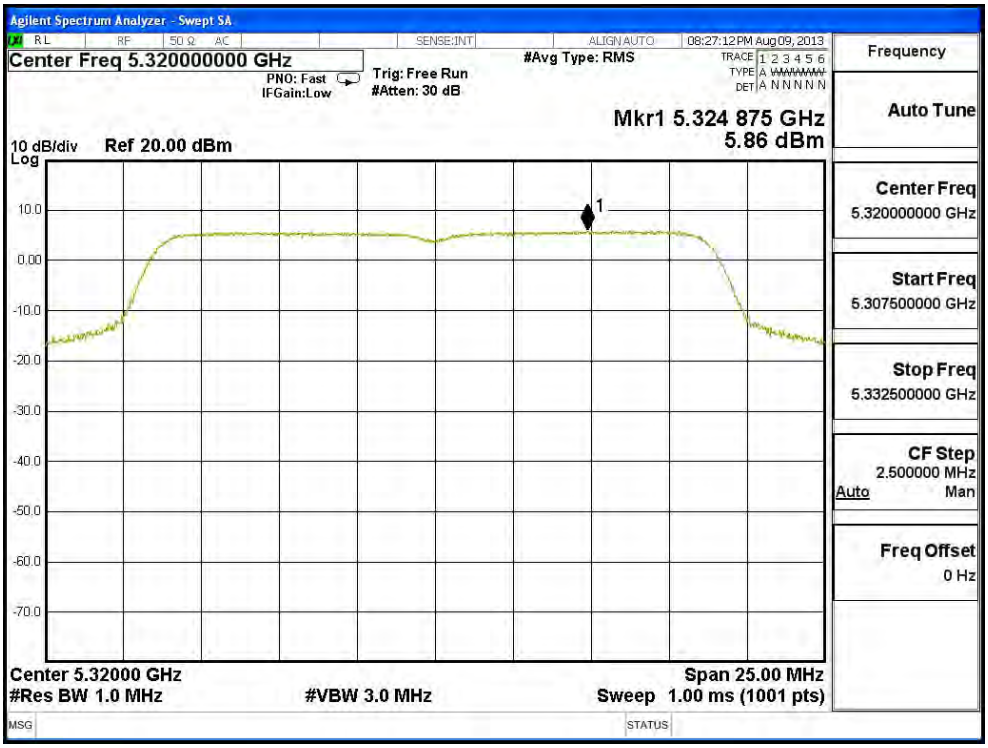
Channel 52 – Chain A



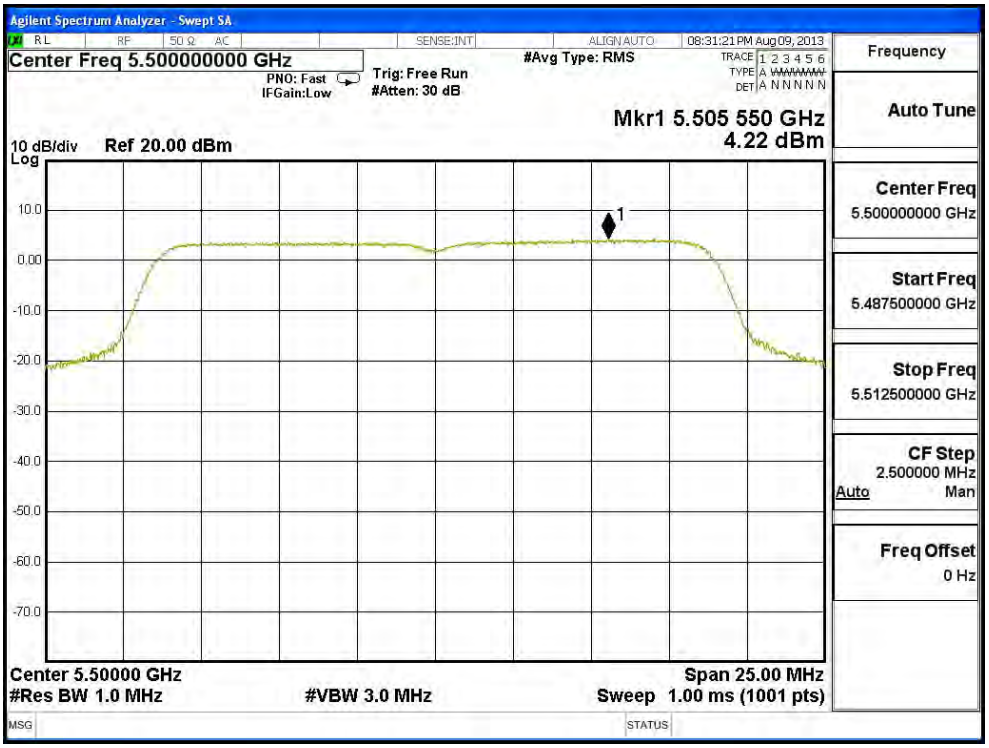
Channel 60 – Chain A



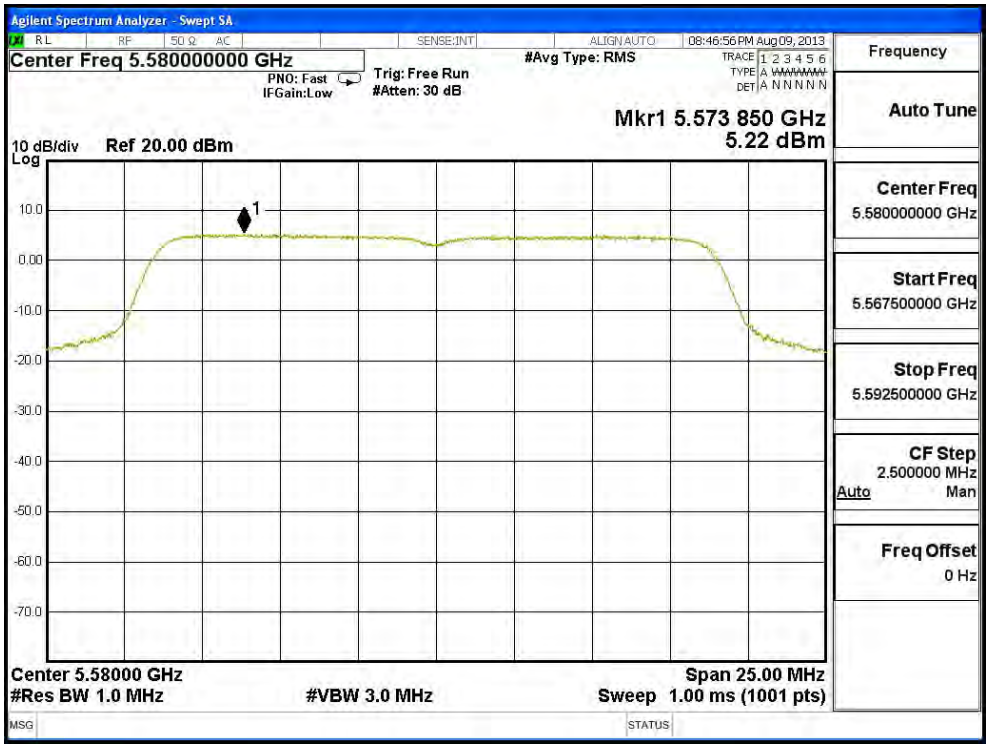
Channel 64 – Chain A



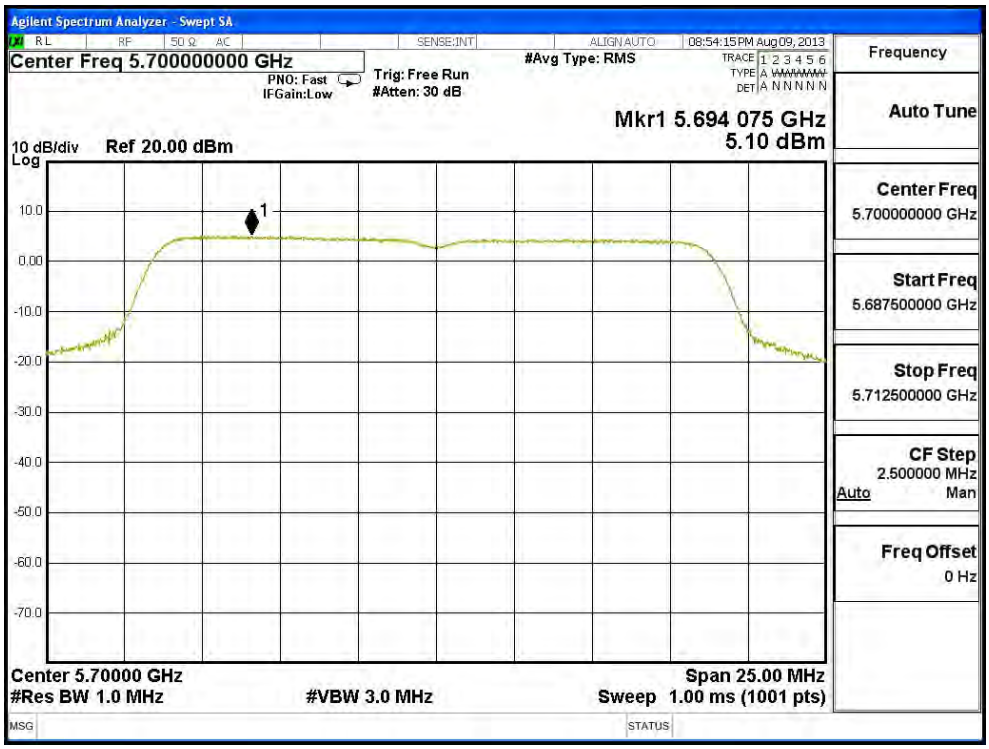
Channel 100 – Chain A



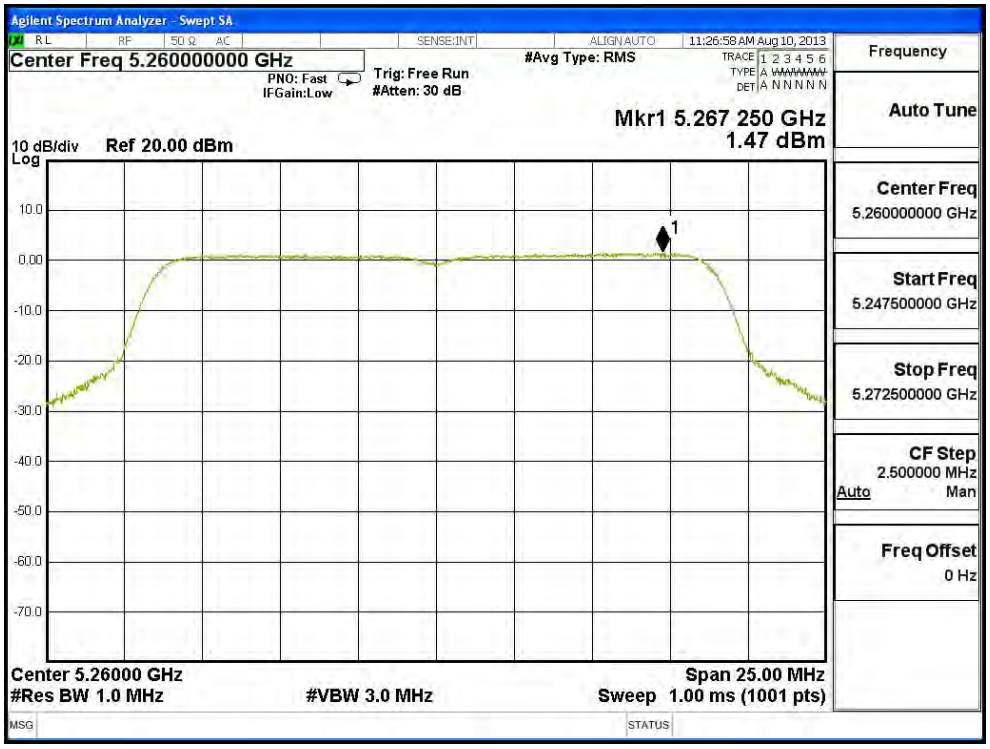
Channel 120 – Chain A



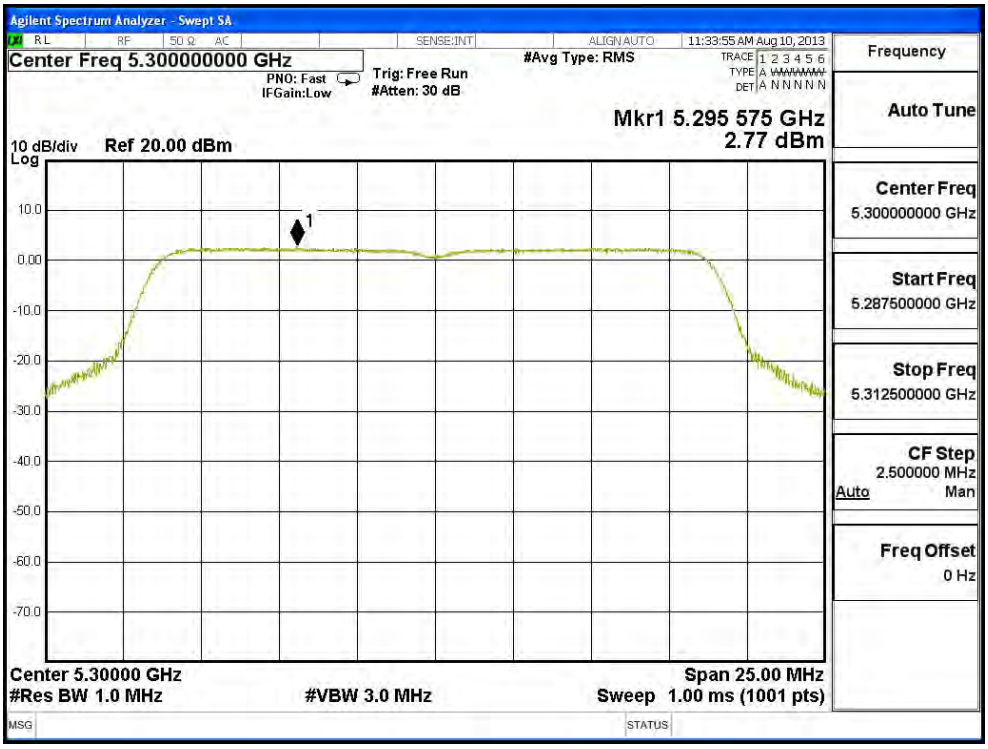
Channel 140 – Chain A



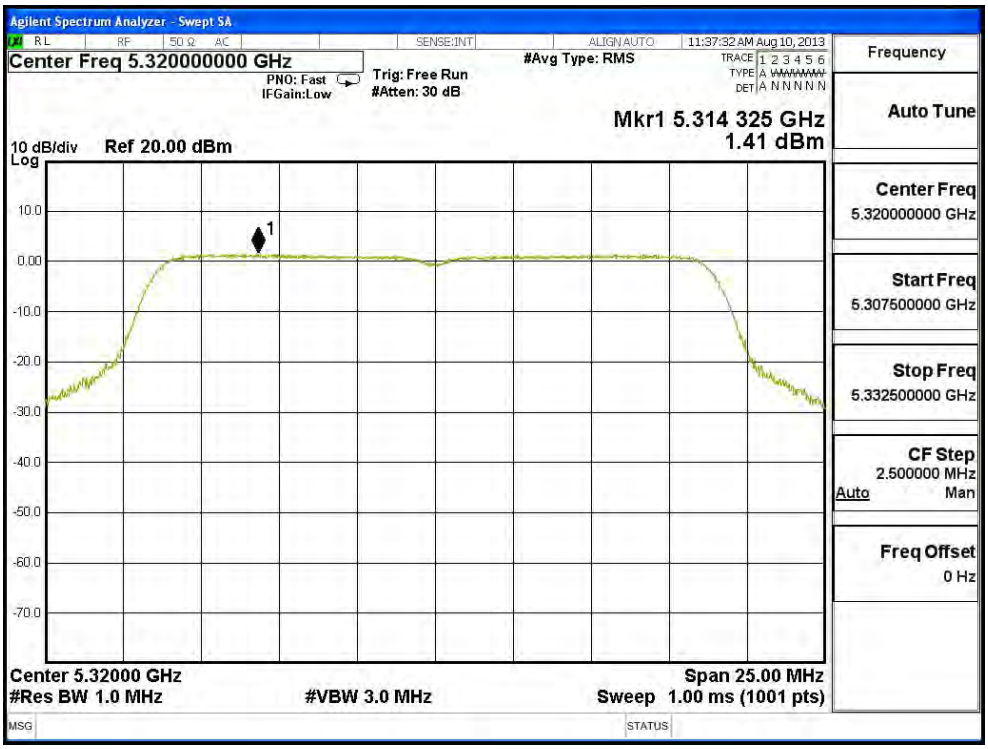
Channel 52 – Chain B



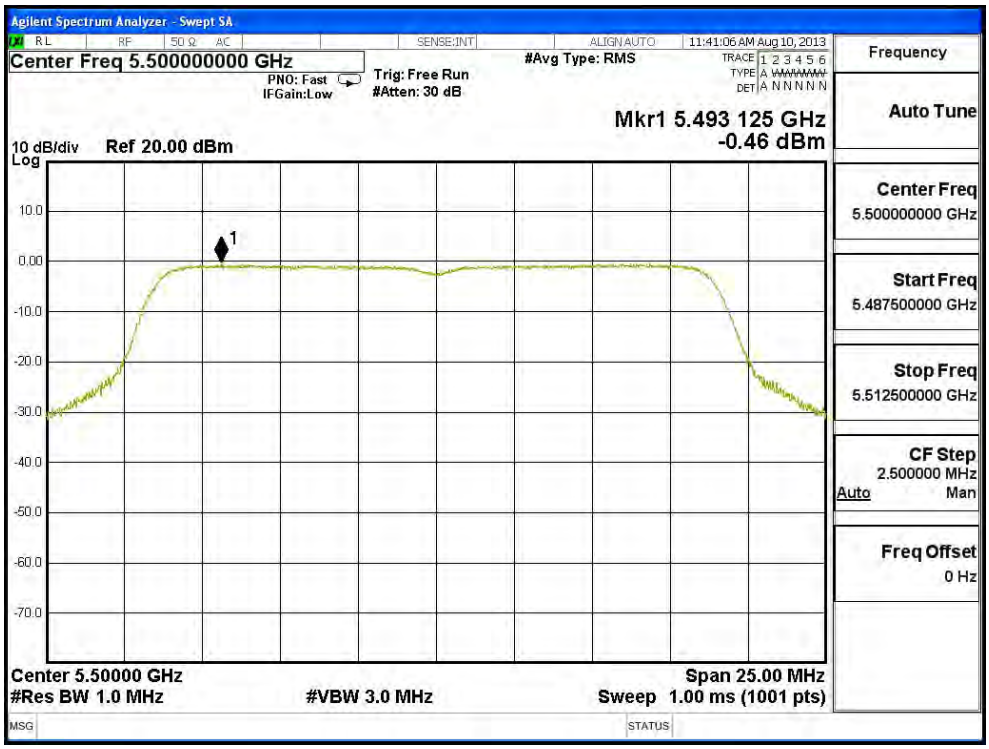
Channel 60 – Chain B



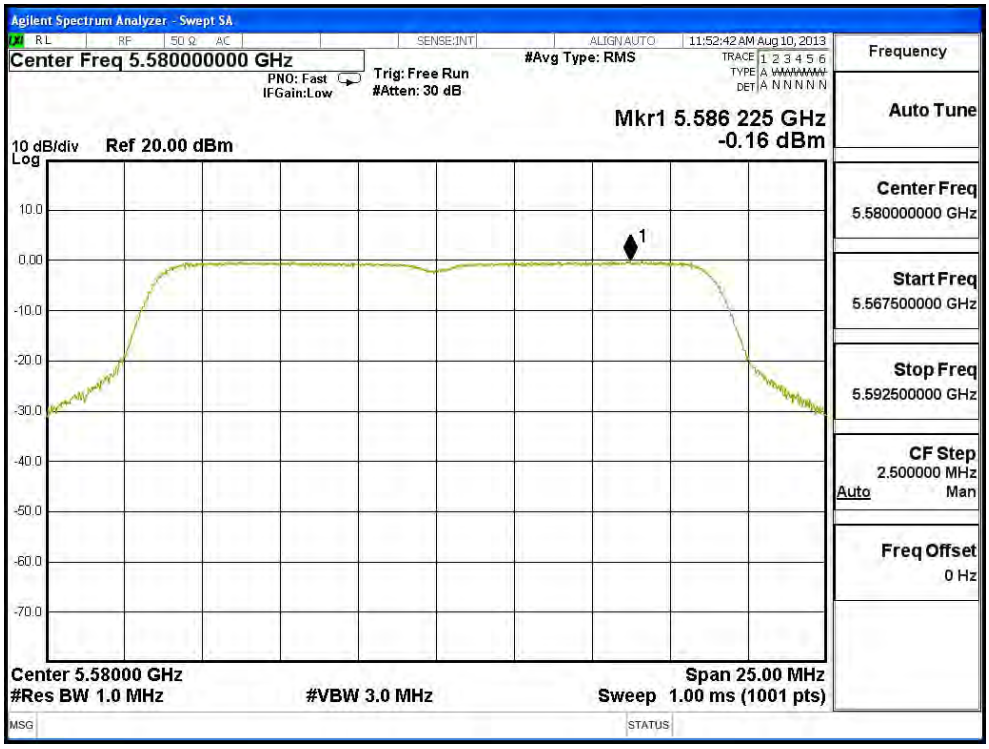
Channel 64 – Chain B



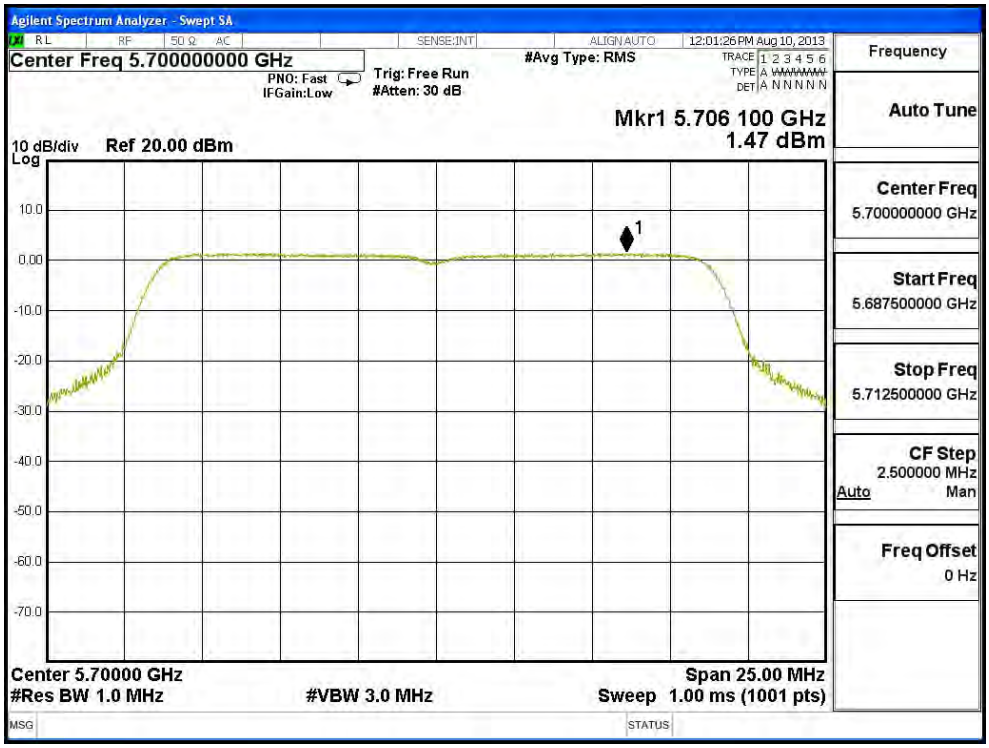
Channel 100 – Chain B



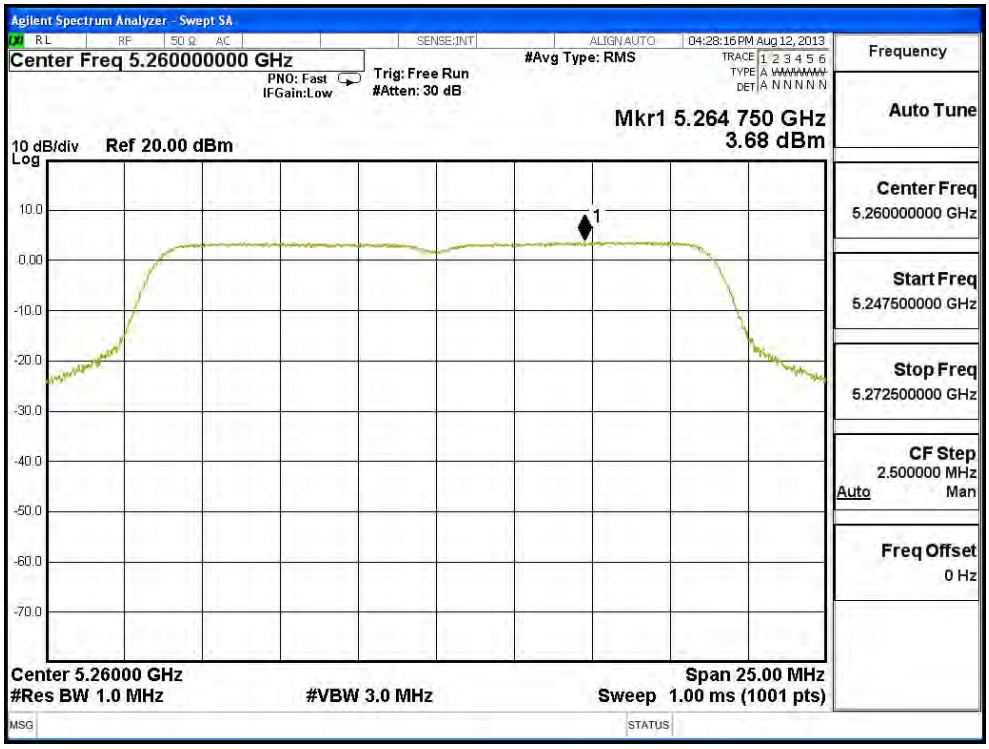
Channel 120 – Chain B



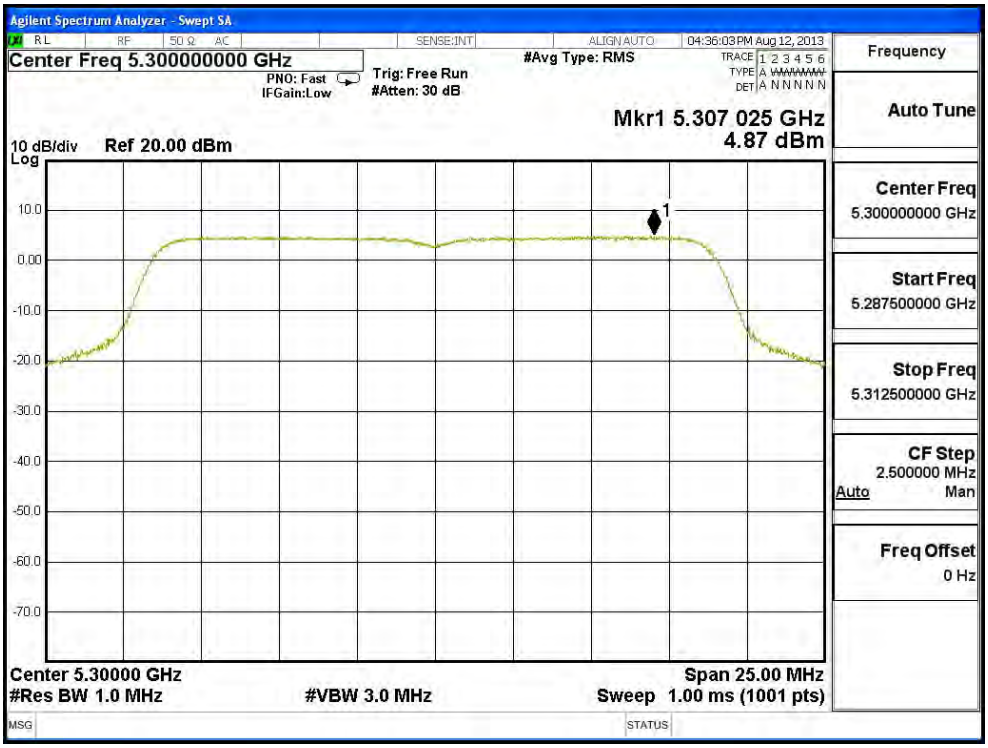
Channel 140 – Chain B



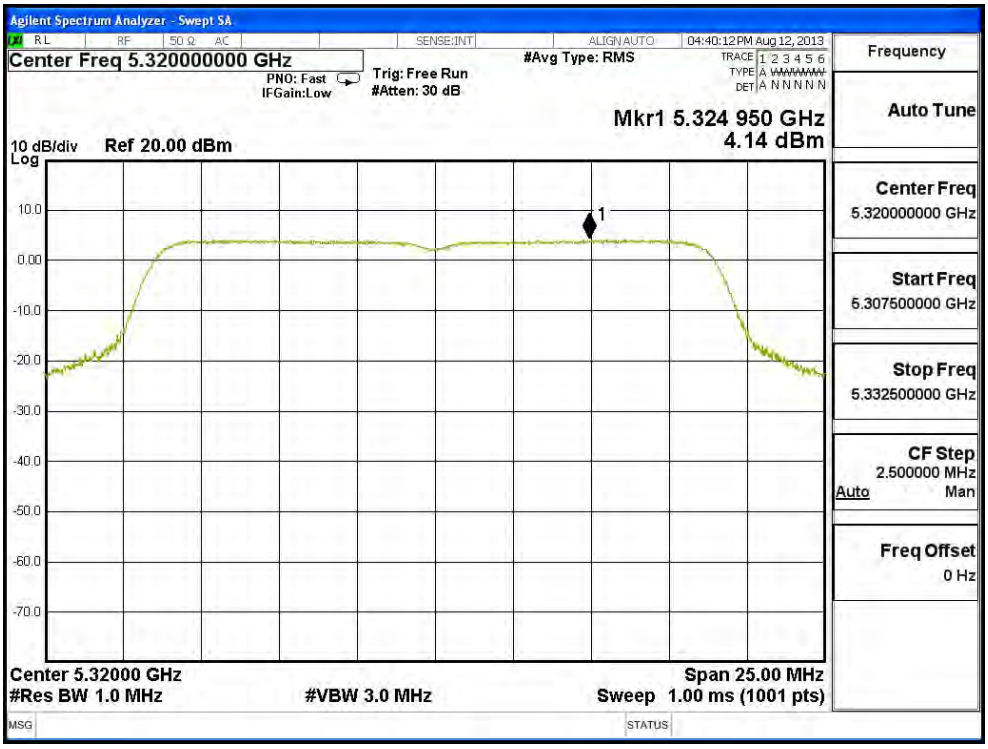
Channel 52 – Chain C



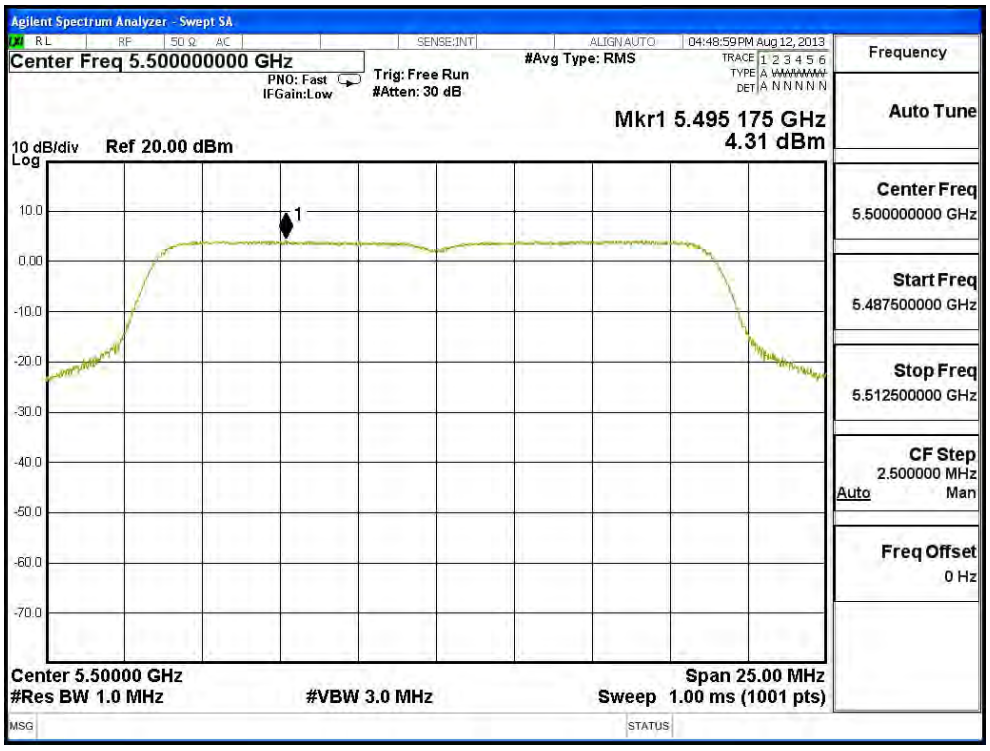
Channel 60 – Chain C



Channel 64 – Chain C

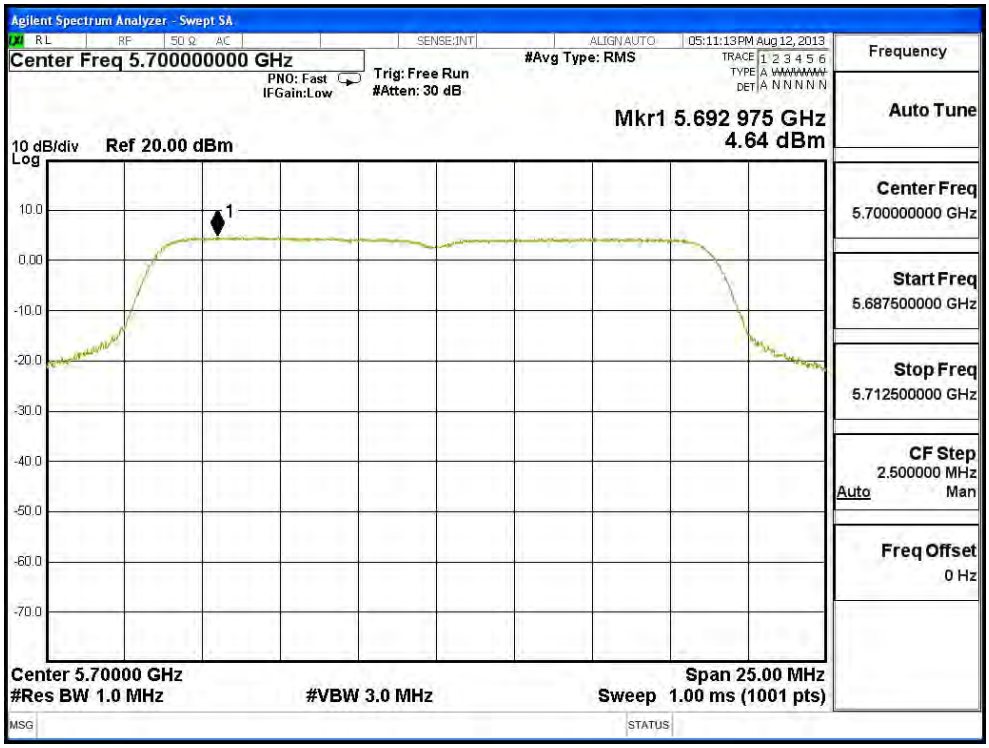


Channel 100 – Chain C



Channel 120 – Chain C

Channel 140 – Chain C

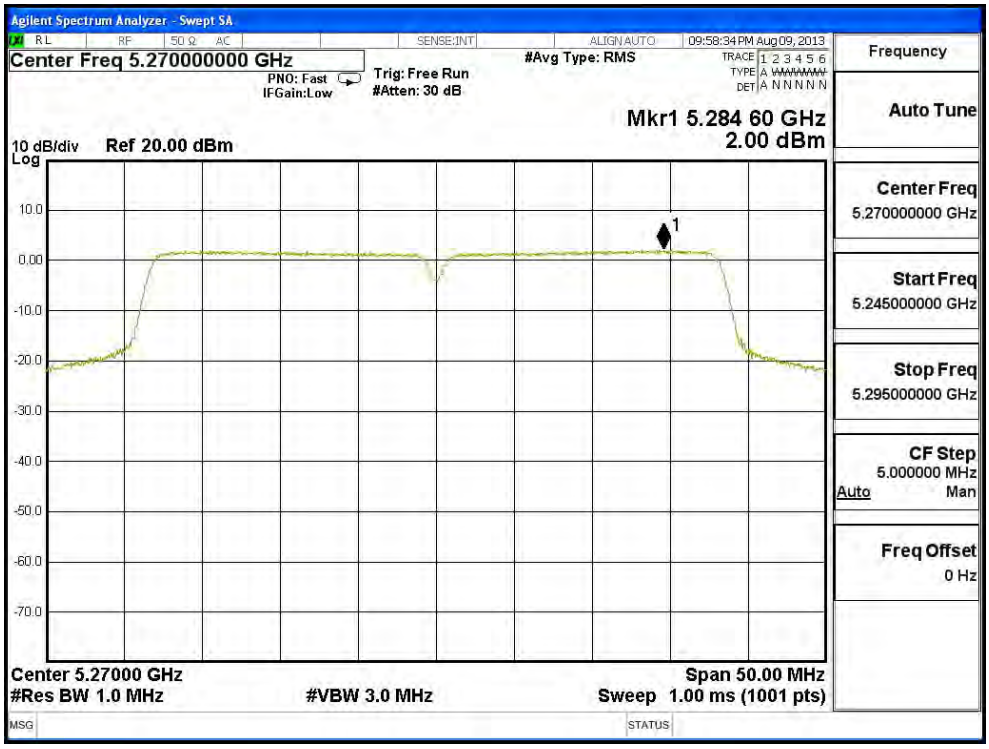


Product : SpectraGuard® Access Point / Sensor
Test Item : Peak Power Spectral Density
Test Site : No.3 OATS
Test Mode : Mode 6 Transmit (802.11n-40BW 45Mbps)(PIFA Antenna)

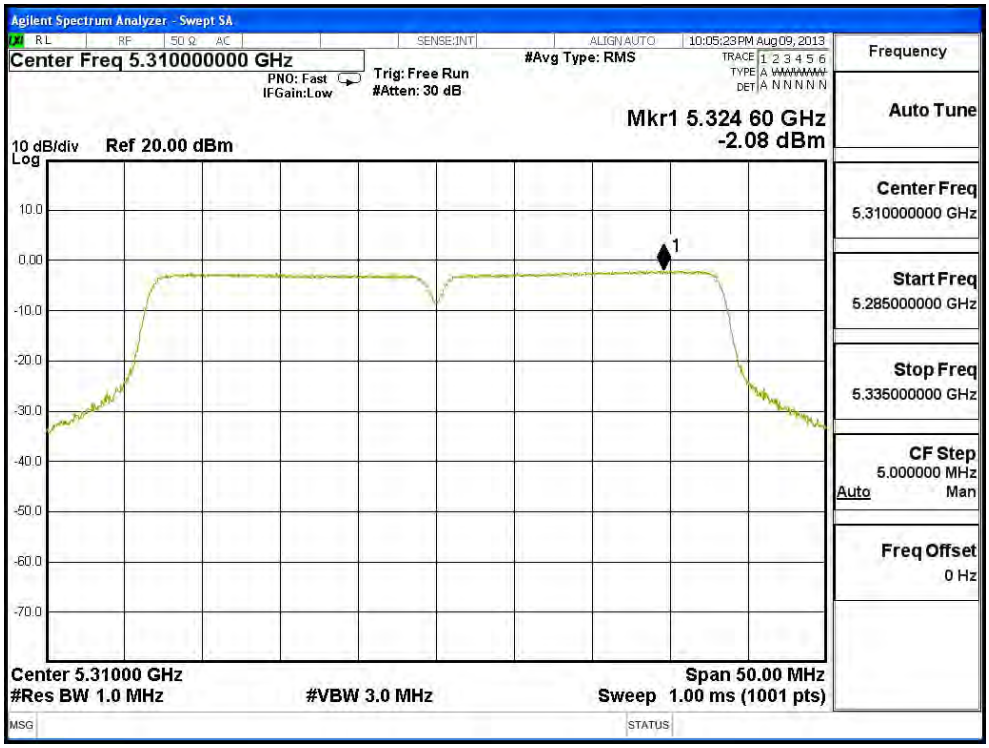
Channel No.	Frequency (MHz)	Chain (dBm)	PPSD/MHz (dBm)	Total PPSD/MHz (dBm)	Required Limit (dBm)	Result
54	5270	A	2.000	6.771	<11	Pass
		B	-1.340	3.431	<11	Pass
		C	1.060	5.831	<11	Pass
62	5310	A	-2.080	2.691	<11	Pass
		B	-6.110	-1.339	<11	Pass
		C	-3.190	1.581	<11	Pass
102	5510	A	-2.420	2.351	<11	Pass
		B	-7.310	-2.539	<11	Pass
		C	-3.580	1.191	<11	Pass
110	5550	A	1.450	6.221	<11	Pass
		B	-3.630	1.141	<11	Pass
		C	0.350	5.121	<11	Pass
134	5670	A	1.600	6.371	<11	Pass
		B	-2.550	2.221	<11	Pass
		C	1.150	5.921	<11	Pass

Note 1: The quantity 10*log 3 (two antennas) is added to the spectrum peak value according to document 662911 D01.

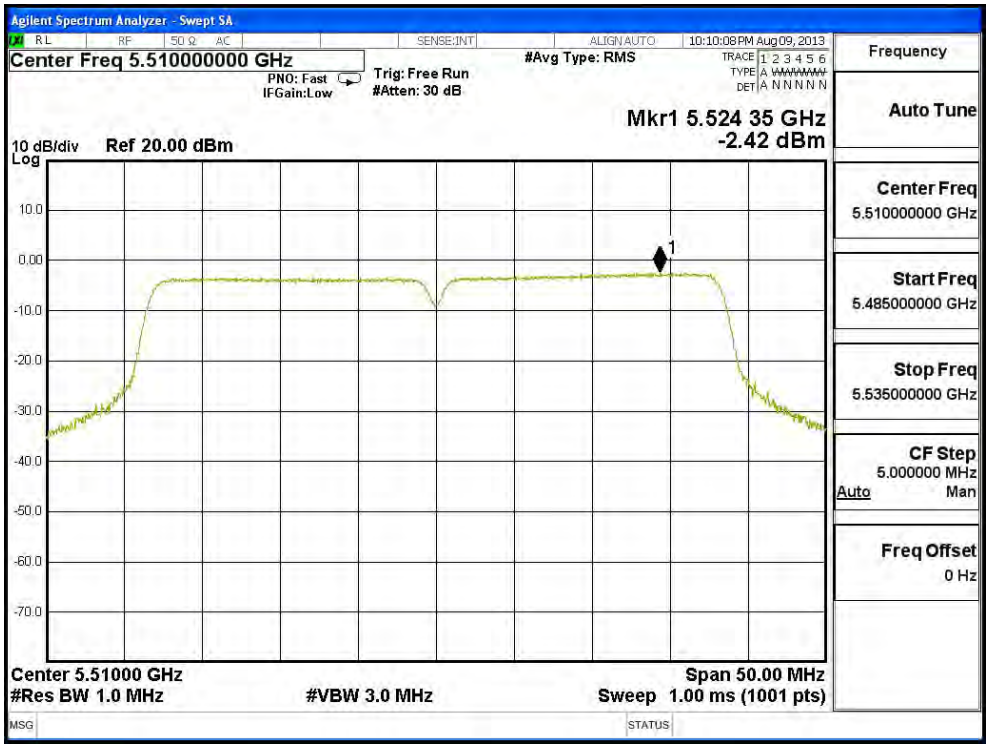
Channel 54 – Chain A



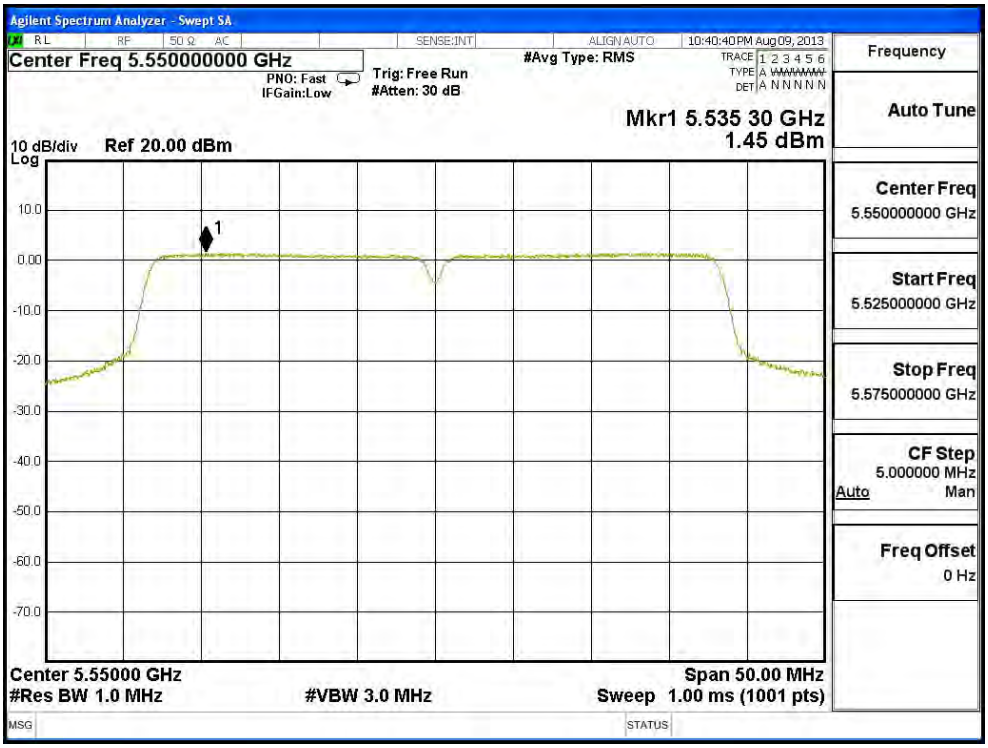
Channel 62 – Chain A



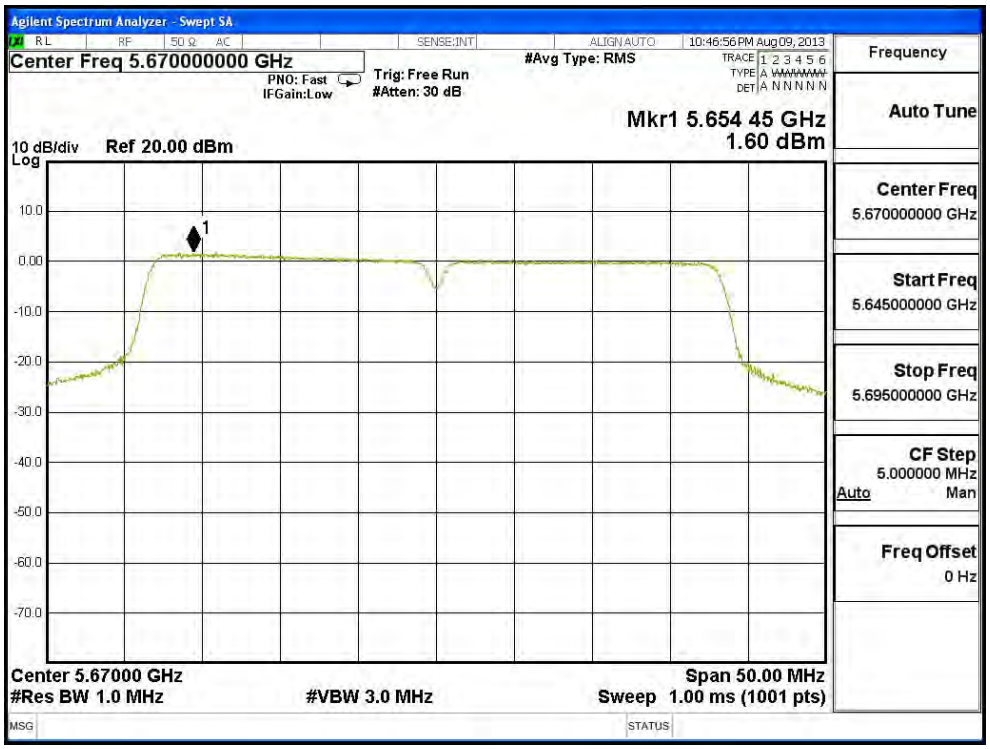
Channel 102 – Chain A



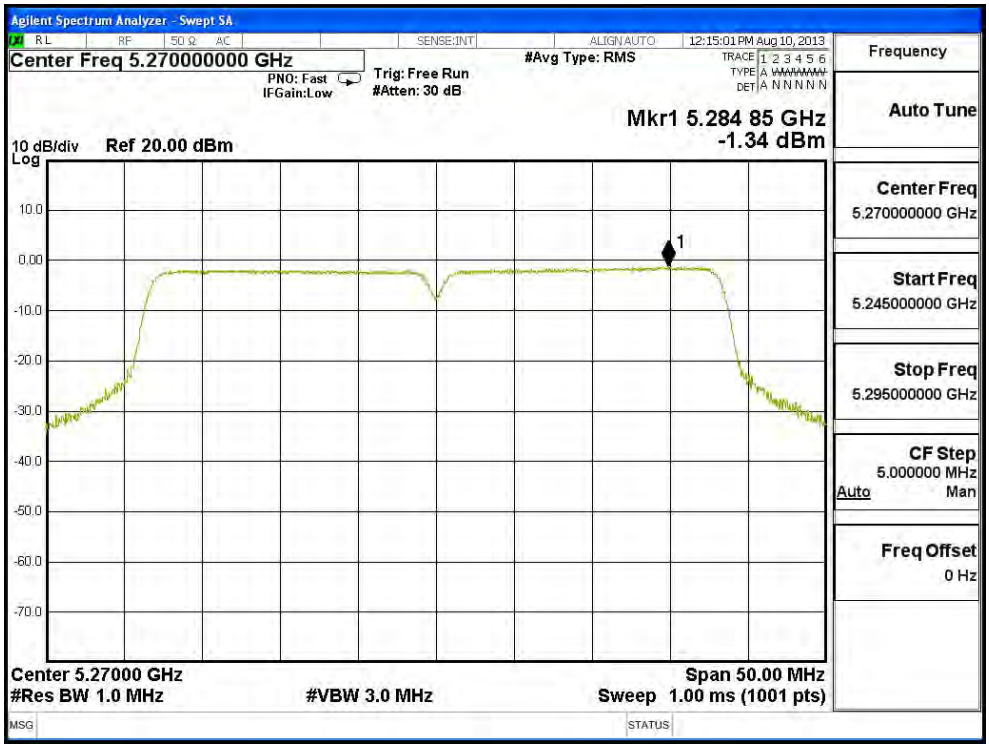
Channel 110 – Chain A



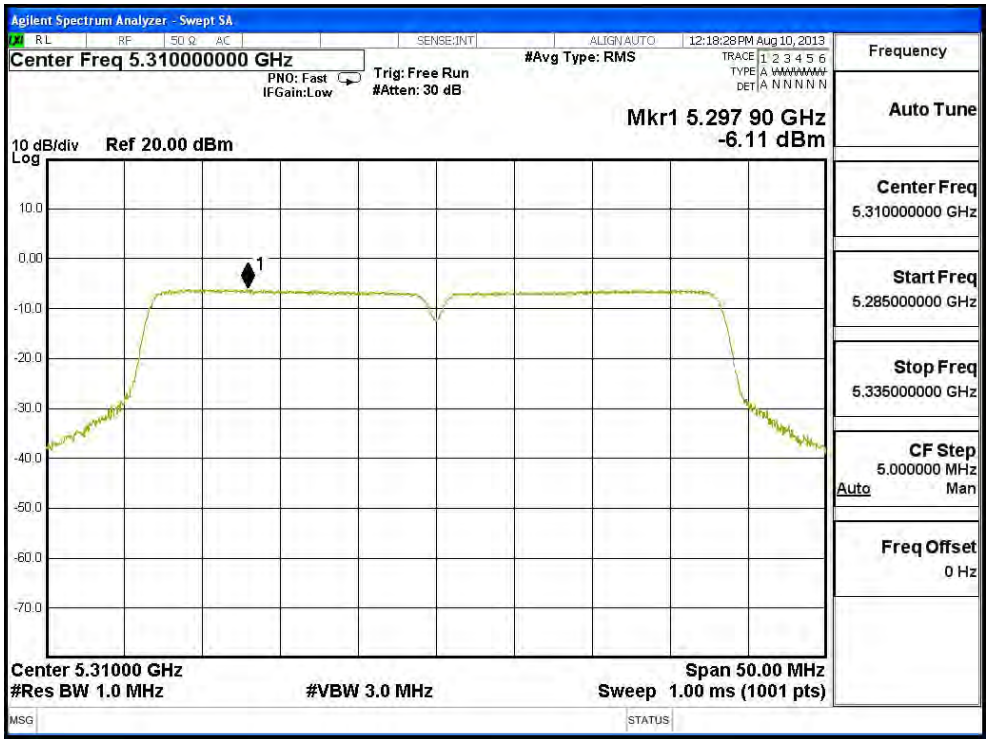
Channel 134 – Chain A



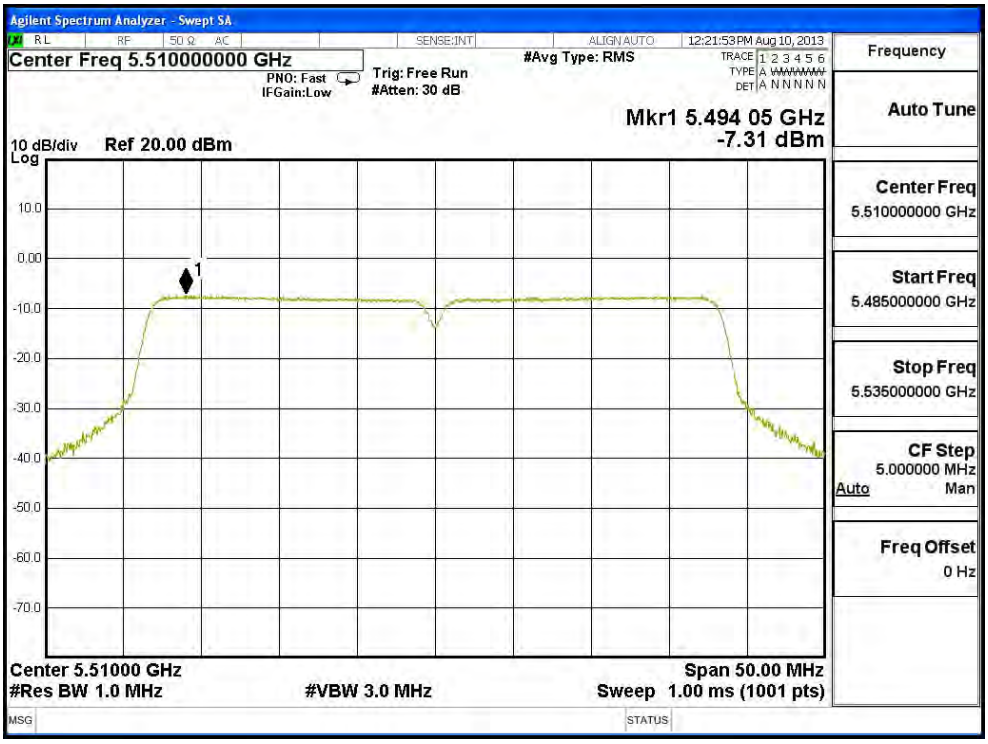
Channel 54 – Chain B



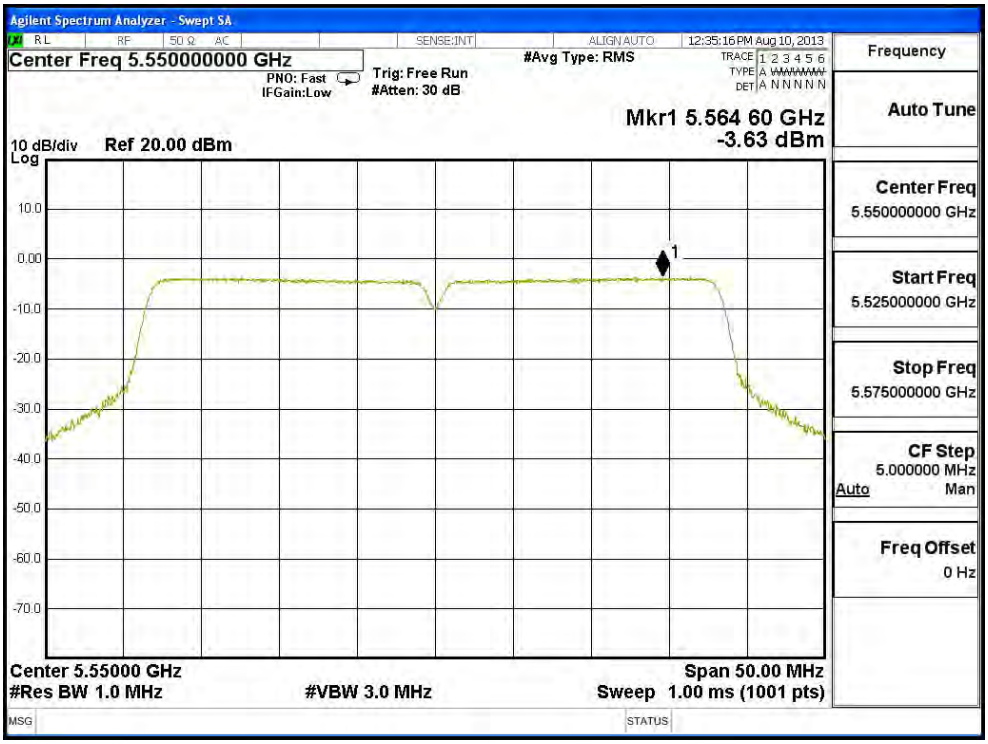
Channel 62 – Chain B



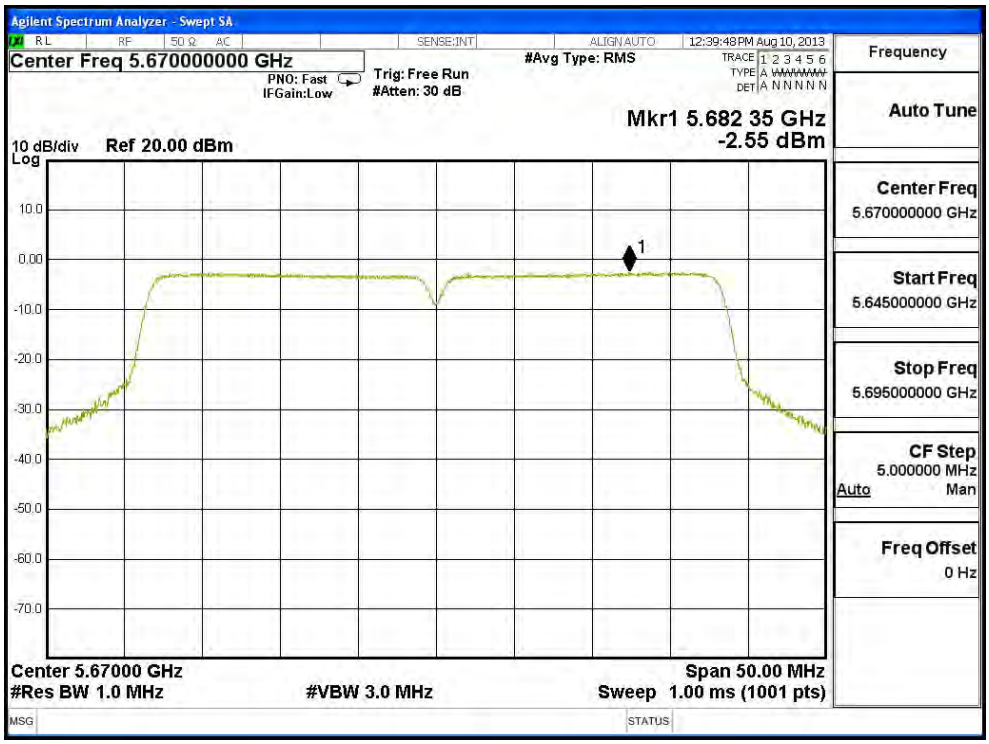
Channel 102 – Chain B



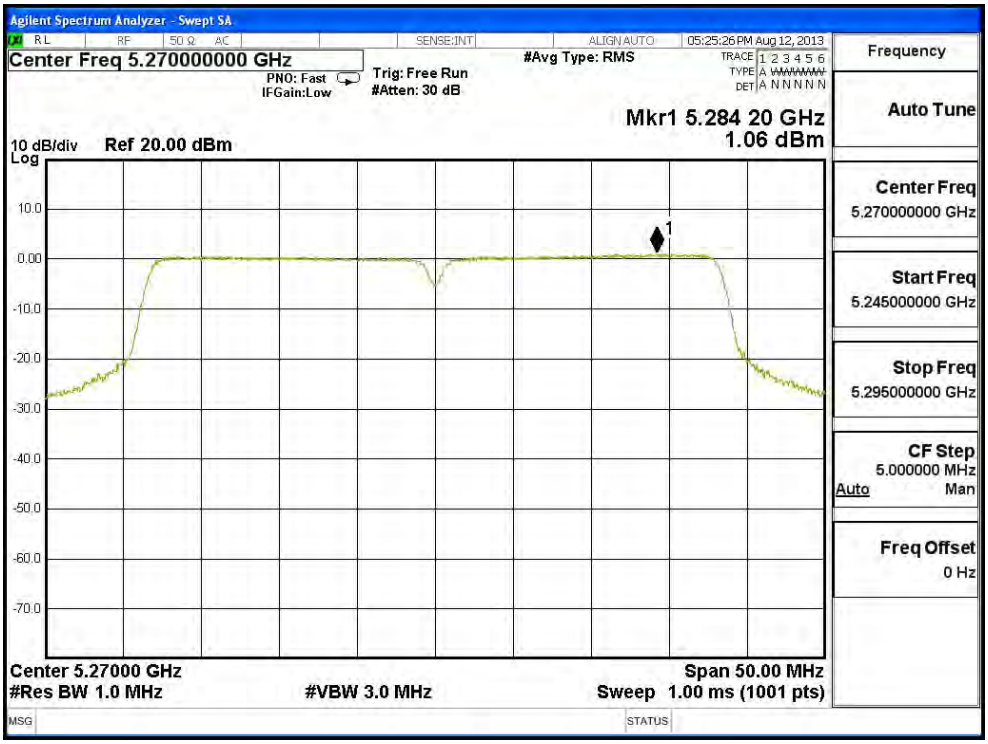
Channel 110 – Chain B



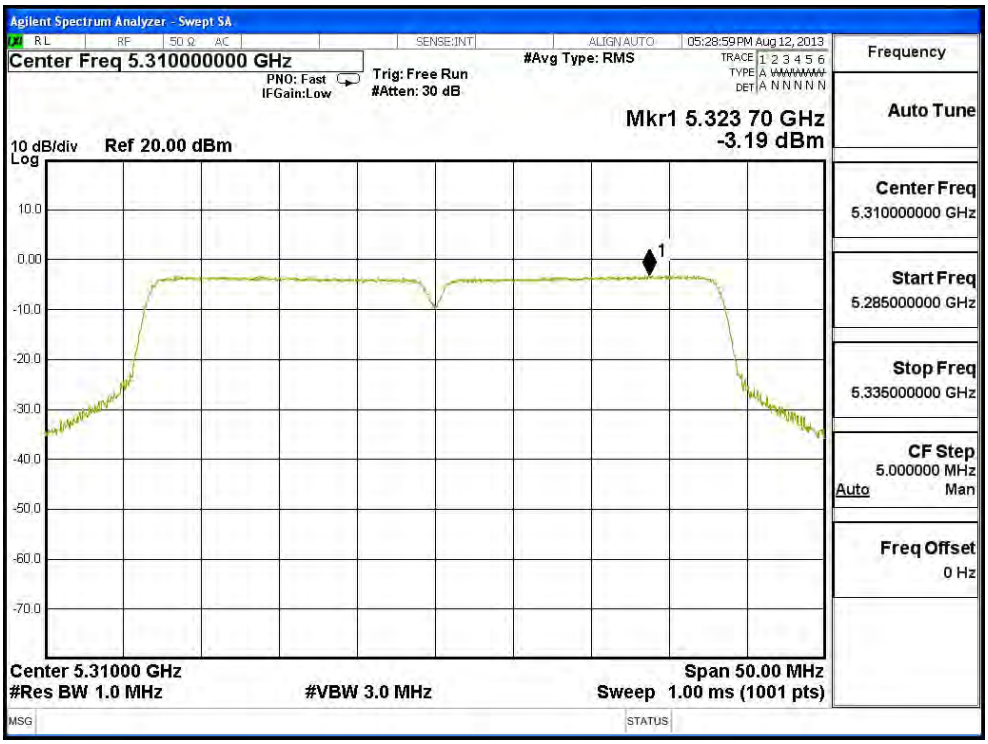
Channel 134 – Chain B



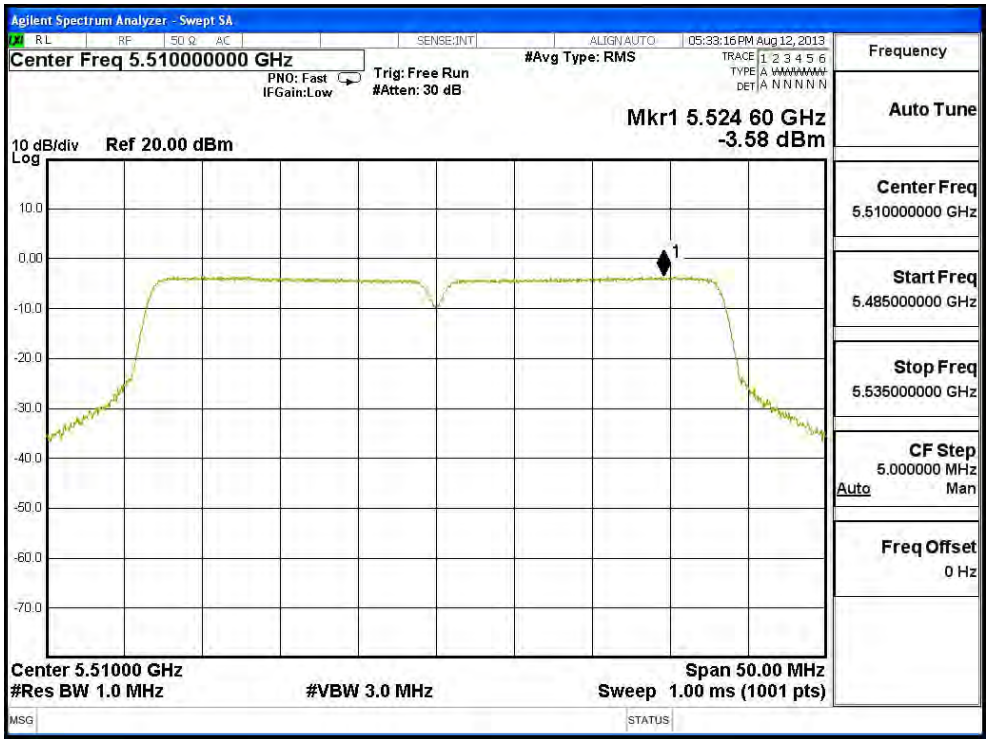
Channel 54 – Chain C



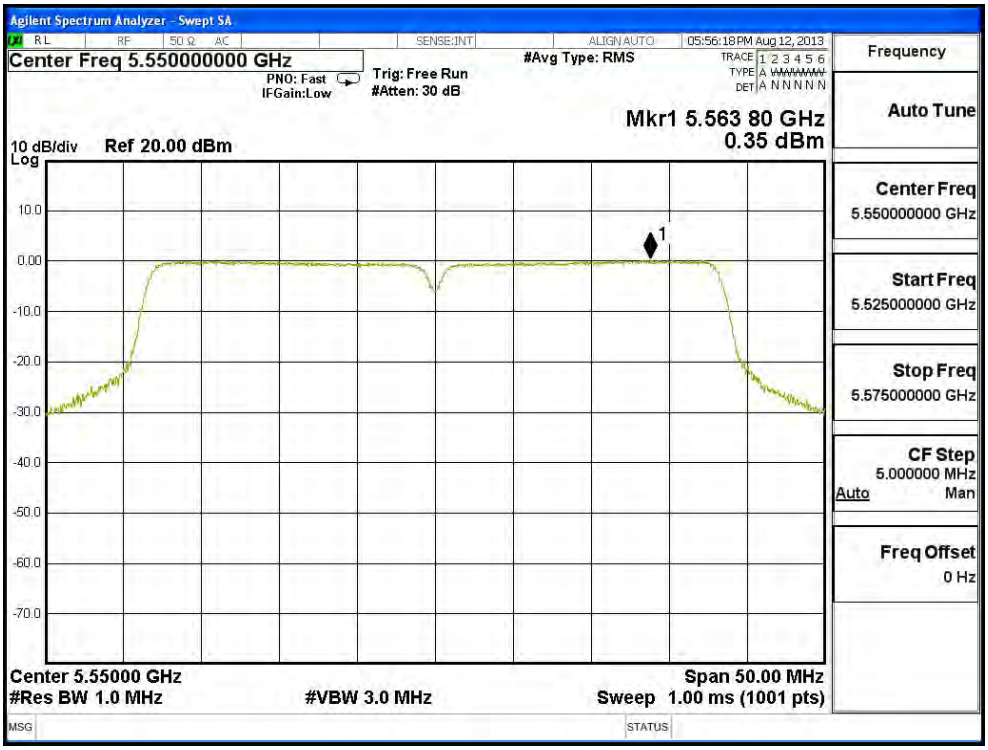
Channel 62 – Chain C



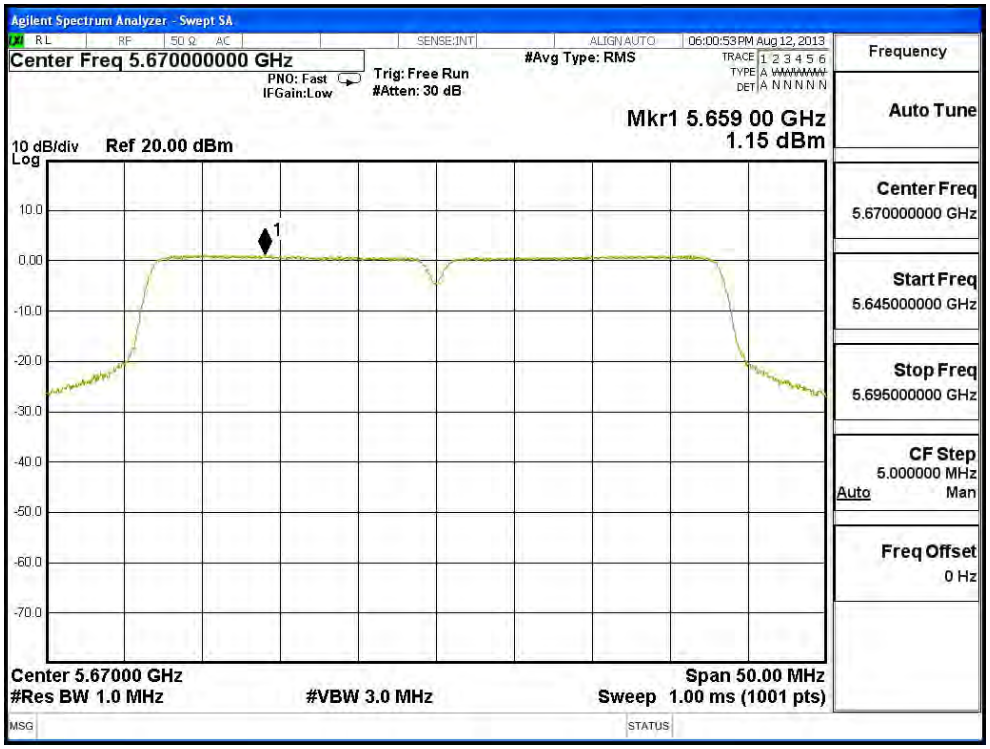
Channel 102 – Chain C



Channel 110 – Chain C



Channel 134 – Chain C



5. Peak Excursion

5.1. Test Equipment

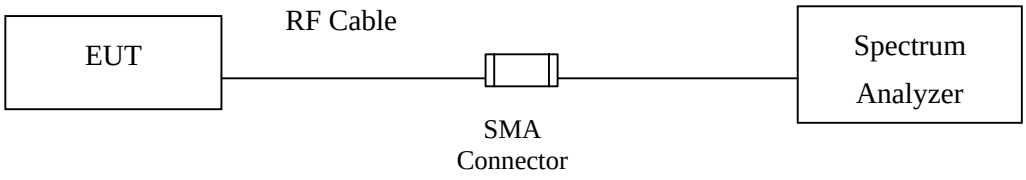
	Equipment	Manufacturer	Model No./Serial No.	Last Cal.
	Spectrum Analyzer	R&S	FSP40 / 100170	Jun, 2013
	Spectrum Analyzer	Agilent	E4407B / US39440758	Jun, 2013
X	Spectrum Analyzer	Agilent	N9010A / MY48030495	Apr., 2013

Note:

1. All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.
2. The test instruments marked with "X" are used to measure the final test results.

5.2. Test Setup

Conduction Power Measurement



5.3. Limits

The ratio of the peak excursion of the modulation envelope (measured suing a peak hold function) to the Maximum conducted output power (measured as specified above) shall not exceed 13 dB across any 1 MHz bandwidth or the emission bandwidth whichever is less.

5.4. Test Procedure

The EUT was setup to ANSI C63.10, 2009; tested to DTS test procedure of FCC KDB-789033 for compliance to FCC 47CFR Subpart E requirements.

Step 1: Set the spectrum analyzer or EMI receiver span to view the entire emission bandwidth.
Step 2: Find the maximum of the peak-max-hold spectrum.
(Set RBW = 1 MHz, VBW ≥ 3 MHz, Detector = peak, Trace mode = max-hold, Allow the sweeps to continue until the trace stabilizes,Use the peak search function to find the peak of the spectrum.)
Step 3: Use the procedure found under KDB-789033 F) to measure the PPSD.
Step 4: Compute the ratio of the maximum of the peak-max-hold spectrum to the PPSD.

5.5. Uncertainty

± 1.27 dB

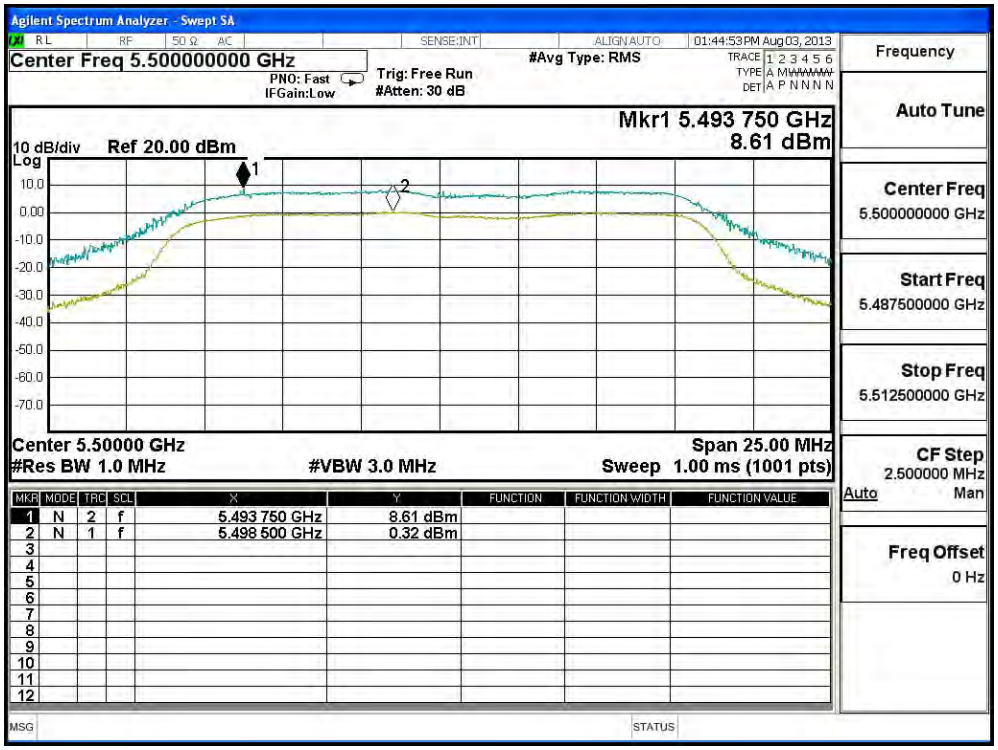
5.6. Test Result of Peak Excursion

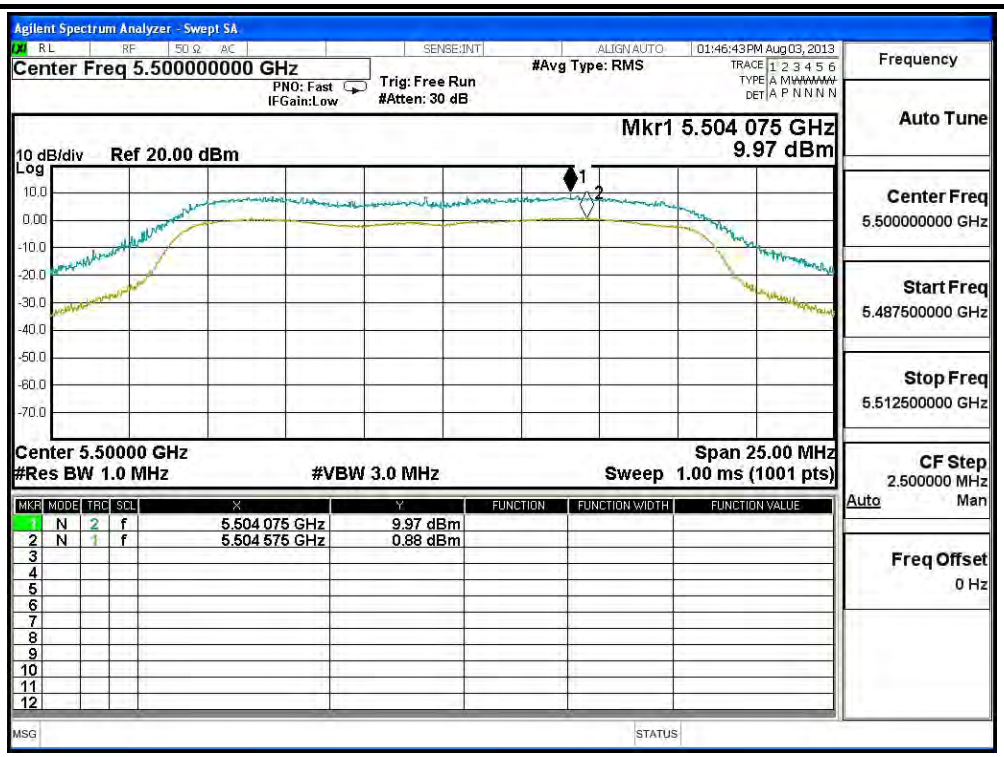
Product : SpectraGuard® Access Point / Sensor
Test Item : Peak Excursion
Test Site : No.3 OATS
Test Mode : Mode 1: Transmit (802.11a-6Mbps)(Dipole Antenna)

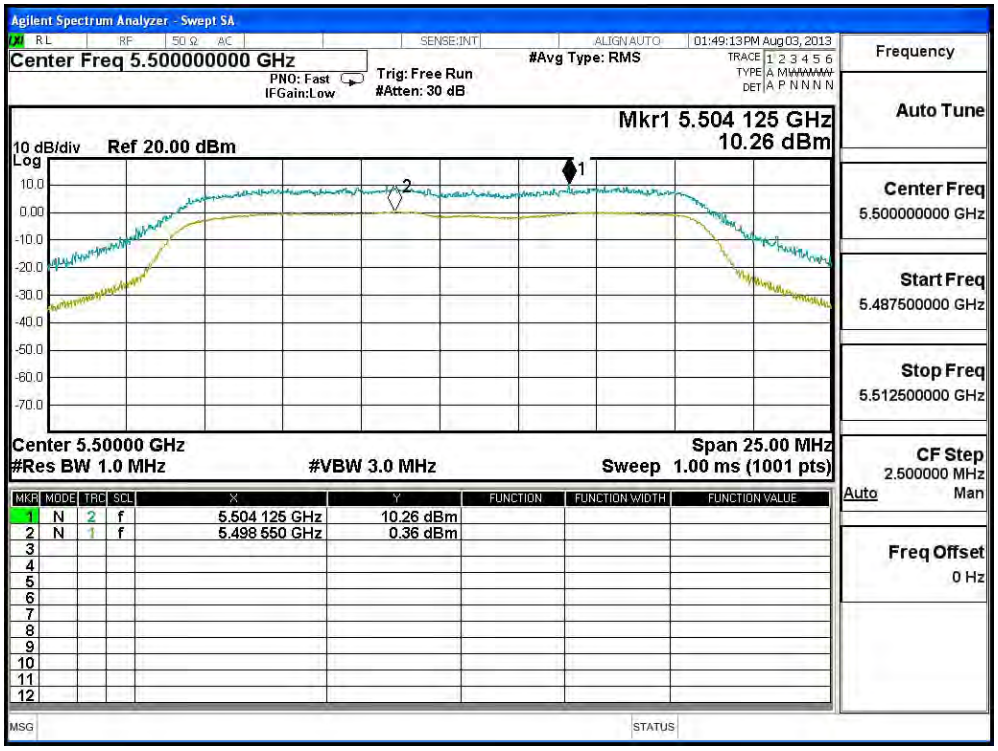
CHAIN A

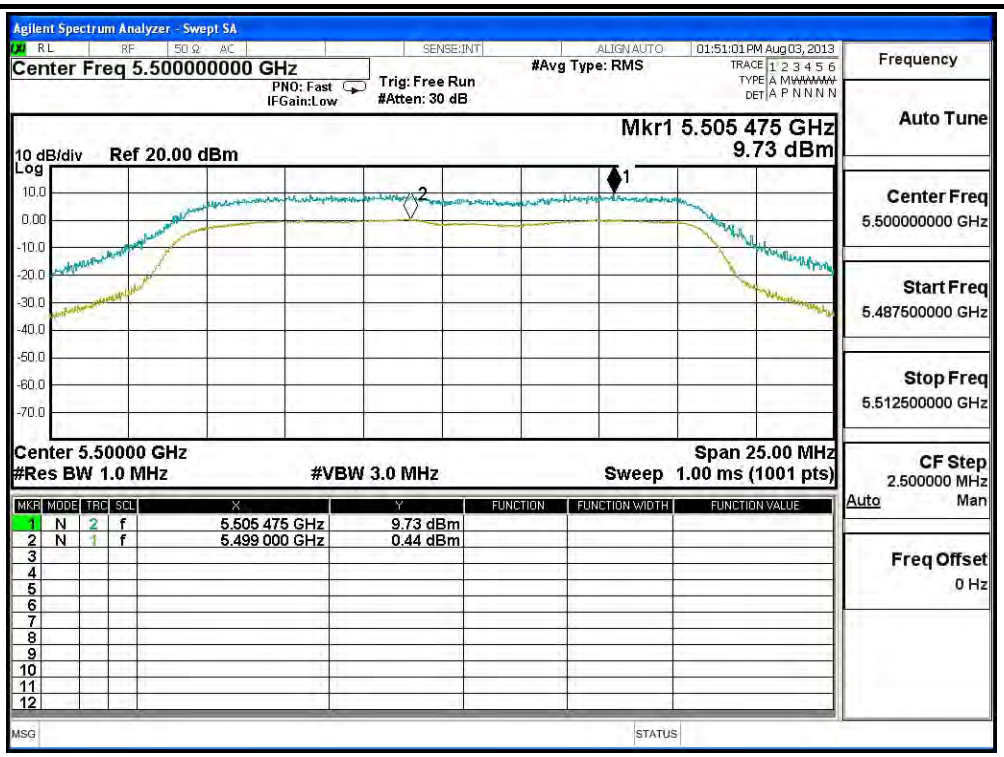
Channel No.	Frequency (MHz)	Data Rate (Mbps)	Measurement Level (dB)	Required Limit (dB)	Result
100	5500	MCS (0)	8.290	<13	Pass
		MCS (2)	9.090	<13	Pass
		MCS (4)	9.900	<13	Pass
		MCS (7)	9.290	<13	Pass

Channel 100:




Agilent Spectrum Analyzer - Swept SA
Center Freq 5.500000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
01:46:43 PM Aug 03, 2013
Mkr1 5.504 075 GHz
9.97 dBm
10 dB/div
Log
Ref 20.00 dBm
Center 5.50000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Span 25.00 MHz
Sweep 1.00 ms (1001 pts)
1 N 2 f 5.504 075 GHz 9.97 dBm
2 N 1 f 5.504 575 GHz 0.88 dBm
Frequency
Auto Tune
Center Freq
5.500000000 GHz
Start Freq
5.487500000 GHz
Stop Freq
5.512500000 GHz
CF Step
2.500000 MHz
Auto
Man
Freq Offset
0 Hz

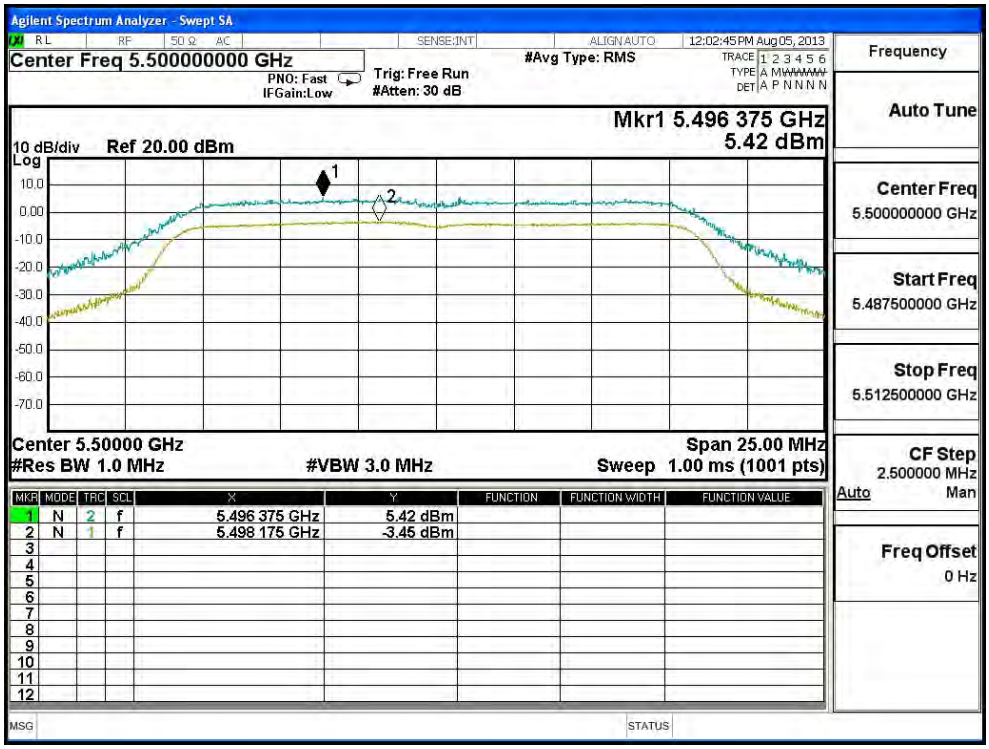

Agilent Spectrum Analyzer - Swept SA
Center Freq 5.500000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
01:49:13 PM Aug 03, 2013
Mkr1 5.504 125 GHz
10.26 dBm
10 dB/div
Log
Ref 20.00 dBm
Center 5.50000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Span 25.00 MHz
Sweep 1.00 ms (1001 pts)
1 N 2 f 5.504 125 GHz 10.26 dBm
2 N 1 f 5.498 550 GHz 0.36 dBm
Frequency
Auto Tune
Center Freq
5.500000000 GHz
Start Freq
5.487500000 GHz
Stop Freq
5.512500000 GHz
CF Step
2.500000 MHz
Auto
Man
Freq Offset
0 Hz

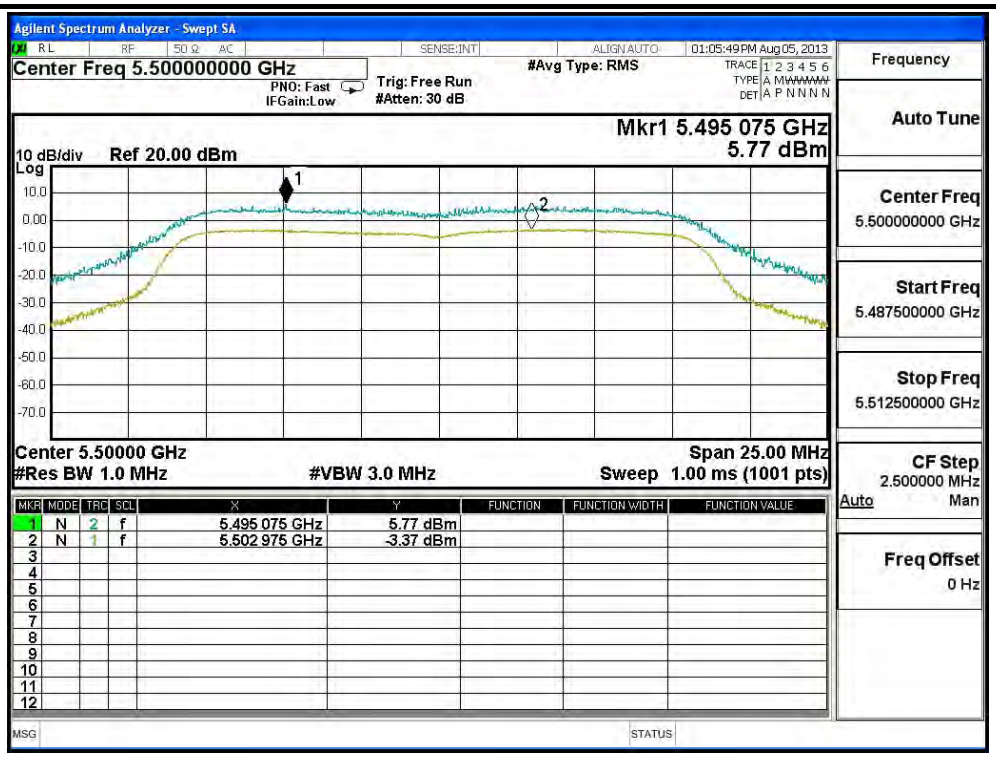

Agilent Spectrum Analyzer - Swept SA
Center Freq 5.500000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
01:51:01 PM Aug 03, 2013
Mkr1 5.505 475 GHz
9.73 dBm
10 dB/div
Log
Ref 20.00 dBm
Center 5.50000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Span 25.00 MHz
Sweep 1.00 ms (1001 pts)
1 N 2 f 5.505 475 GHz 9.73 dBm
2 N 1 f 5.499 000 GHz 0.44 dBm
Frequency
Auto Tune
Center Freq
5.500000000 GHz
Start Freq
5.487500000 GHz
Stop Freq
5.512500000 GHz
CF Step
2.500000 MHz
Auto
Man
Freq Offset
0 Hz

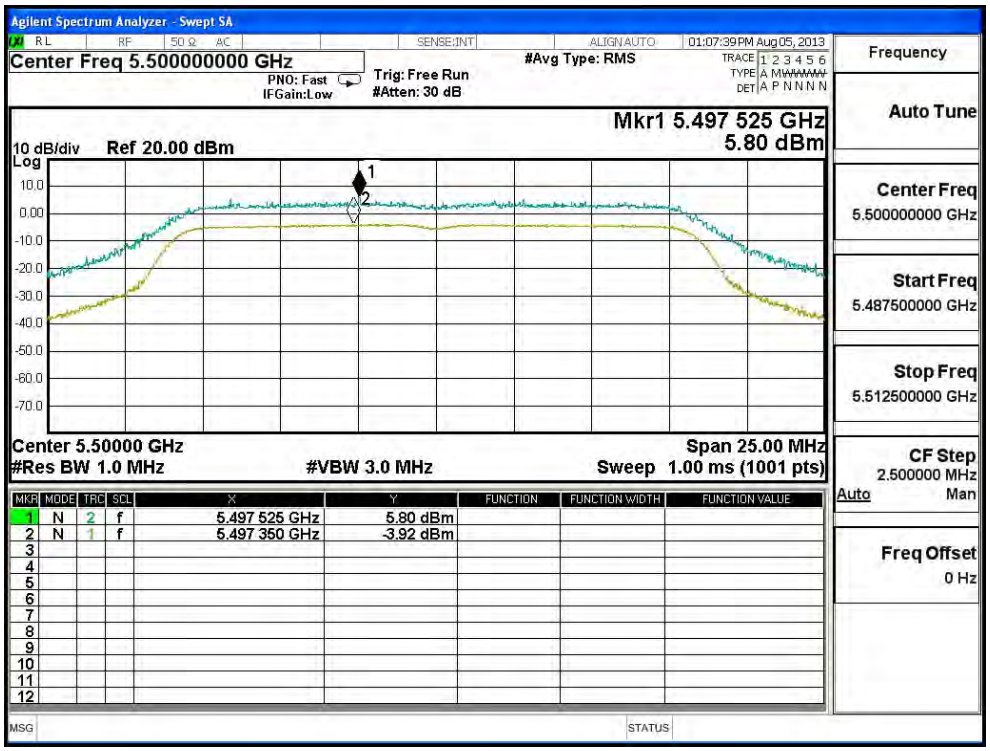
CHAIN B

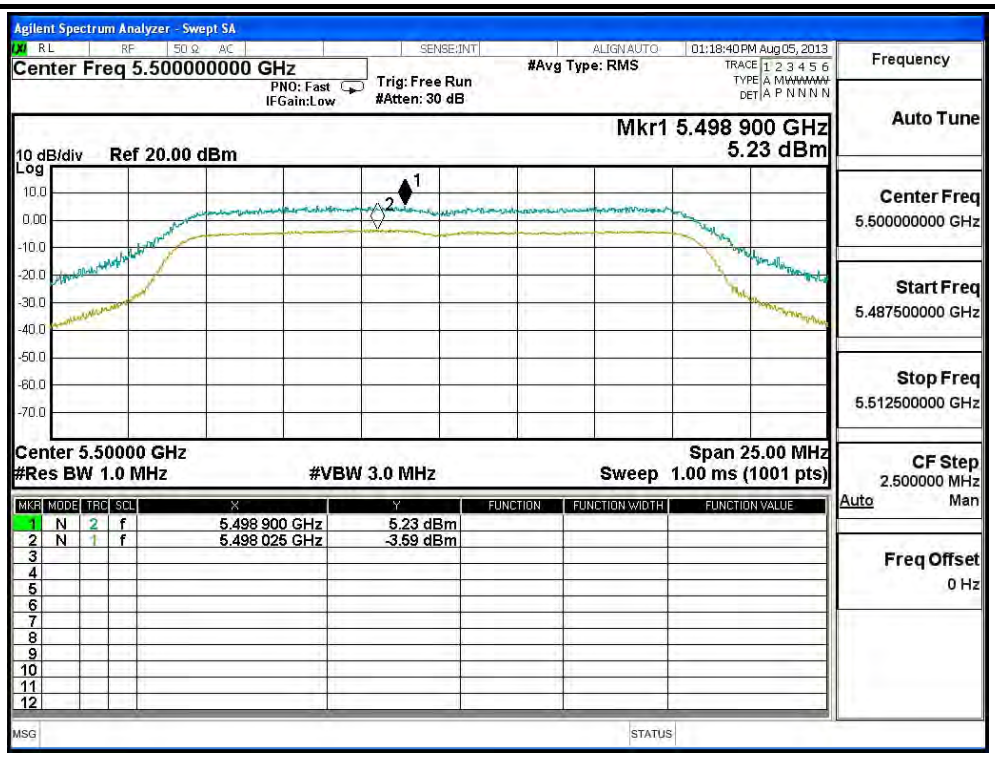
Channel No.	Frequency (MHz)	Data Rate (Mbps)	Measurement Level (dB)	Required Limit (dB)	Result
100	5500	MCS (0)	8.870	<13	Pass
		MCS (2)	9.140	<13	Pass
		MCS (4)	9.720	<13	Pass
		MCS (7)	8.820	<13	Pass

Channel 100:




Agilent Spectrum Analyzer - Swept SA
Center Freq 5.500000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
01:05:49 PM Aug 05, 2013
Mkr1 5.495 075 GHz
5.77 dBm
10 dB/div
Ref 20.00 dBm
Log
Center 5.50000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Span 25.00 MHz
Sweep 1.00 ms (1001 pts)
1 N 2 f 5.495 075 GHz 5.77 dBm
2 N 1 f 5.502 975 GHz -3.37 dBm
Frequency
Auto Tune
Center Freq
5.500000000 GHz
Start Freq
5.487500000 GHz
Stop Freq
5.512500000 GHz
CF Step
2.500000 MHz
Auto
Man
Freq Offset
0 Hz

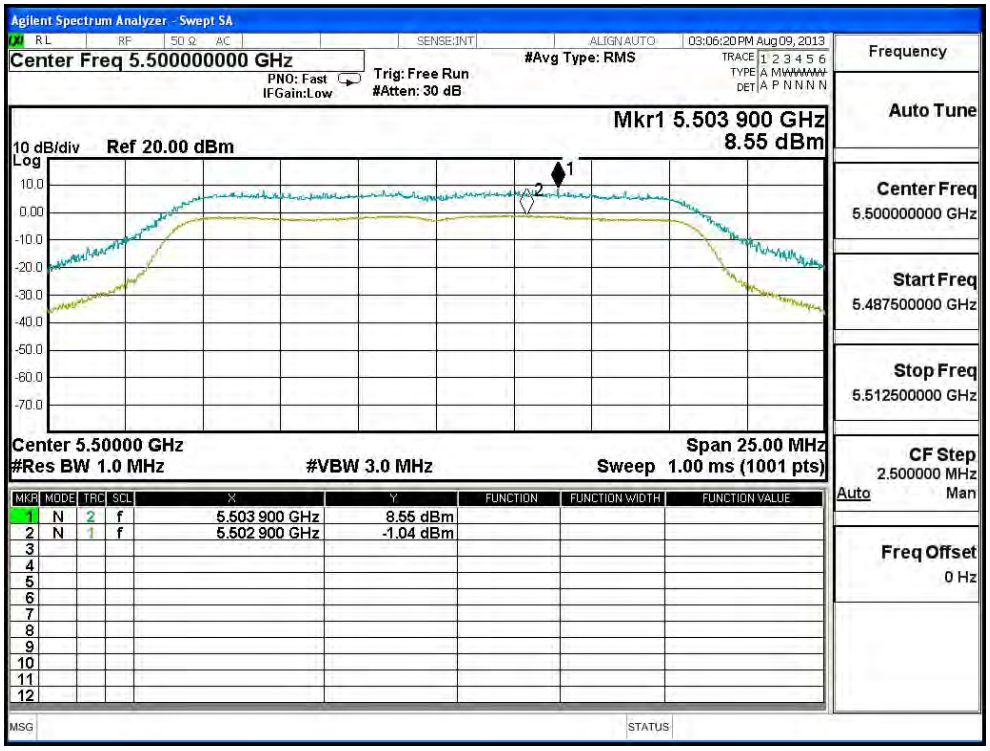

Agilent Spectrum Analyzer - Swept SA
Center Freq 5.500000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
01:07:39 PM Aug 05, 2013
Mkr1 5.497 525 GHz
5.80 dBm
10 dB/div
Ref 20.00 dBm
Log
Center 5.50000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Span 25.00 MHz
Sweep 1.00 ms (1001 pts)
1 N 2 f 5.497 525 GHz 5.80 dBm
2 N 1 f 5.497 350 GHz -3.92 dBm
Frequency
Auto Tune
Center Freq
5.500000000 GHz
Start Freq
5.487500000 GHz
Stop Freq
5.512500000 GHz
CF Step
2.500000 MHz
Auto
Man
Freq Offset
0 Hz

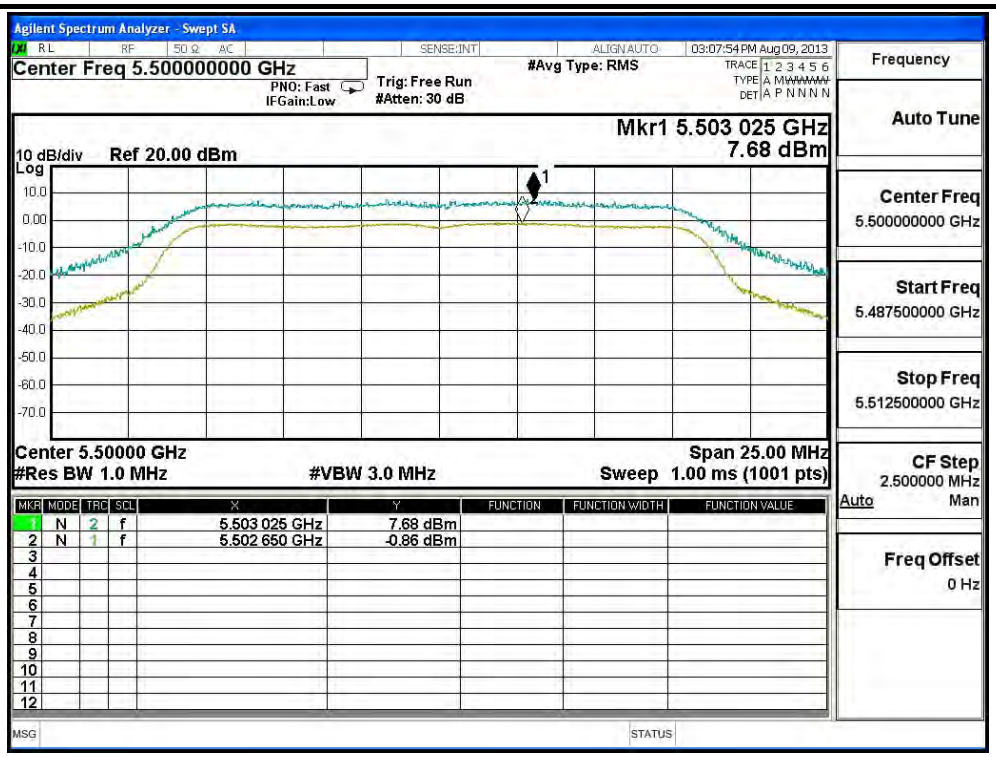

Agilent Spectrum Analyzer - Swept SA
Center Freq 5.500000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
01:18:40 PM Aug 05, 2013
Mkr1 5.498 900 GHz
5.23 dBm
10 dB/div
Log
Ref 20.00 dBm
Center 5.50000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Span 25.00 MHz
Sweep 1.00 ms (1001 pts)
1 N 2 f 5.498 900 GHz 5.23 dBm
2 N 1 f 5.498 025 GHz -3.59 dBm
Frequency
Auto Tune
Center Freq
5.500000000 GHz
Start Freq
5.487500000 GHz
Stop Freq
5.512500000 GHz
CF Step
2.500000 MHz
Auto
Man
Freq Offset
0 Hz

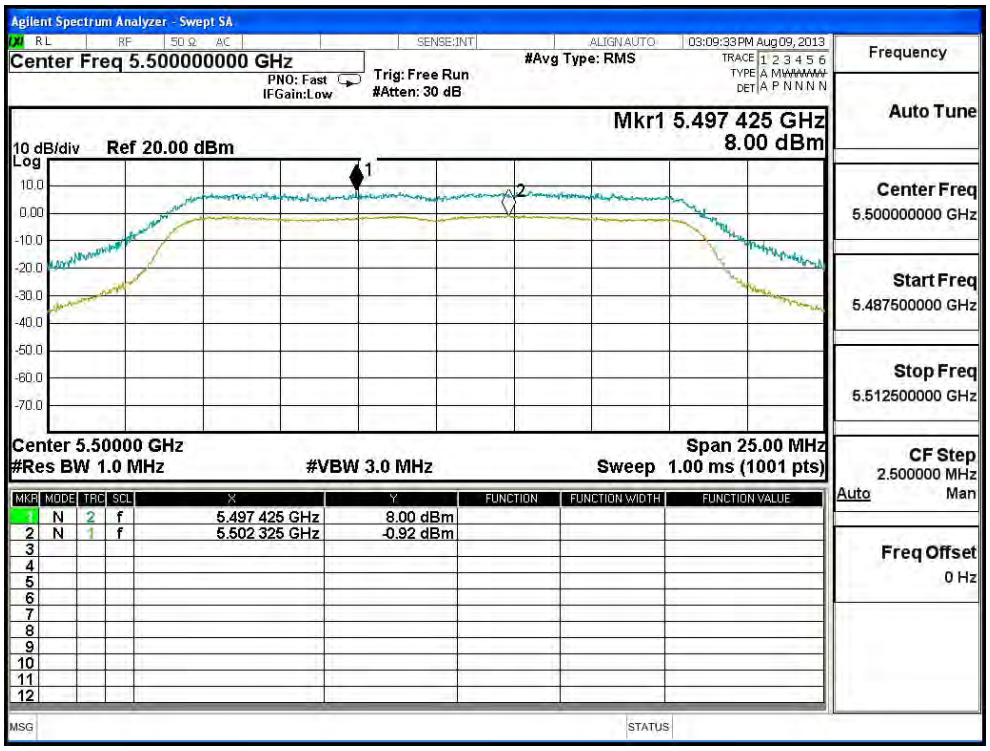
CHAIN C

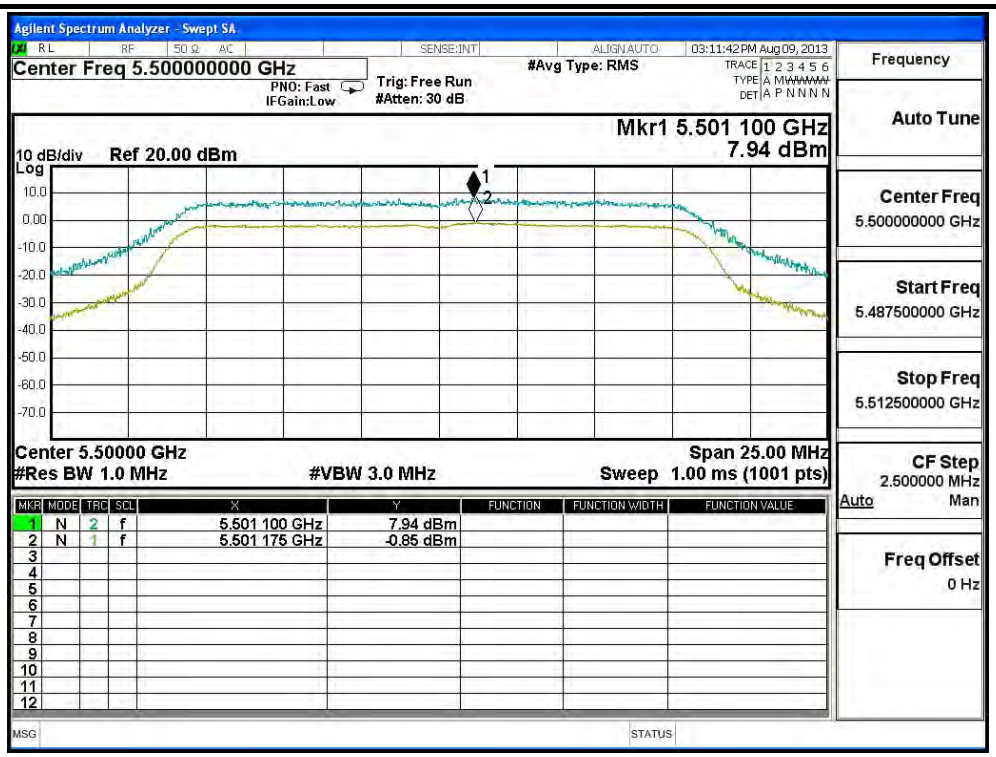
Channel No.	Frequency (MHz)	Data Rate (Mbps)	Measurement Level (dB)	Required Limit (dB)	Result
100	5500	MCS (0)	9.590	<13	Pass
		MCS (2)	8.540	<13	Pass
		MCS (4)	8.920	<13	Pass
		MCS (7)	8.790	<13	Pass

Channel 100:




Agilent Spectrum Analyzer - Swept SA
Center Freq 5.500000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
03:07:54 PM Aug 09, 2013
Mkr1 5.503 025 GHz
7.68 dBm
10 dB/div
Ref 20.00 dBm
Log
Center 5.50000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Span 25.00 MHz
Sweep 1.00 ms (1001 pts)
1 N 2 f 5.503 025 GHz 7.68 dBm
2 N 1 f 5.502 650 GHz -0.86 dBm
Frequency
Auto Tune
Center Freq
5.500000000 GHz
Start Freq
5.487500000 GHz
Stop Freq
5.512500000 GHz
CF Step
2.500000 MHz
Auto
Man
Freq Offset
0 Hz


Agilent Spectrum Analyzer - Swept SA
Center Freq 5.500000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
03:09:33 PM Aug 09, 2013
Mkr1 5.497 425 GHz
8.00 dBm
10 dB/div
Ref 20.00 dBm
Log
Center 5.50000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Span 25.00 MHz
Sweep 1.00 ms (1001 pts)
1 N 2 f 5.497 425 GHz 8.00 dBm
2 N 1 f 5.502 325 GHz -0.92 dBm
Frequency
Auto Tune
Center Freq
5.500000000 GHz
Start Freq
5.487500000 GHz
Stop Freq
5.512500000 GHz
CF Step
2.500000 MHz
Auto
Man
Freq Offset
0 Hz


Agilent Spectrum Analyzer - Swept SA
Center Freq 5.500000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
03:11:42 PM Aug 09, 2013
Mkr1 5.501 100 GHz
7.94 dBm
10 dB/div
Log
Ref 20.00 dBm
Center 5.50000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Span 25.00 MHz
Sweep 1.00 ms (1001 pts)
1 N 2 f 5.501 100 GHz 7.94 dBm
2 N 1 f 5.501 175 GHz -0.85 dBm
Frequency
Auto Tune
Center Freq
5.500000000 GHz
Start Freq
5.487500000 GHz
Stop Freq
5.512500000 GHz
CF Step
2.500000 MHz
Auto
Man
Freq Offset
0 Hz