

Product : 802.11 ac PCIe Module
Test Item : Band Edge Data
Test Site : No.3 OATS
Test Mode : Mode 21: Transmit (802.11n-40BW 30Mbps)(Panel Antenna) -Channel 62 (5310MHz)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
62 (Peak)	5313.623	35.648	78.773	114.421	--	--	--
62 (Peak)	5350.000	35.571	35.103	70.674	83.540	63.540	Pass
62 (Peak)	5353.913	35.563	36.919	72.482	83.540	63.540	Pass
62 (Average)	5314.638	35.646	64.332	99.978	--	--	--
62 (Average)	5350.000	35.571	19.875	55.446	83.540	63.540	Pass

Figure Channel 62: Horizontal (Peak)

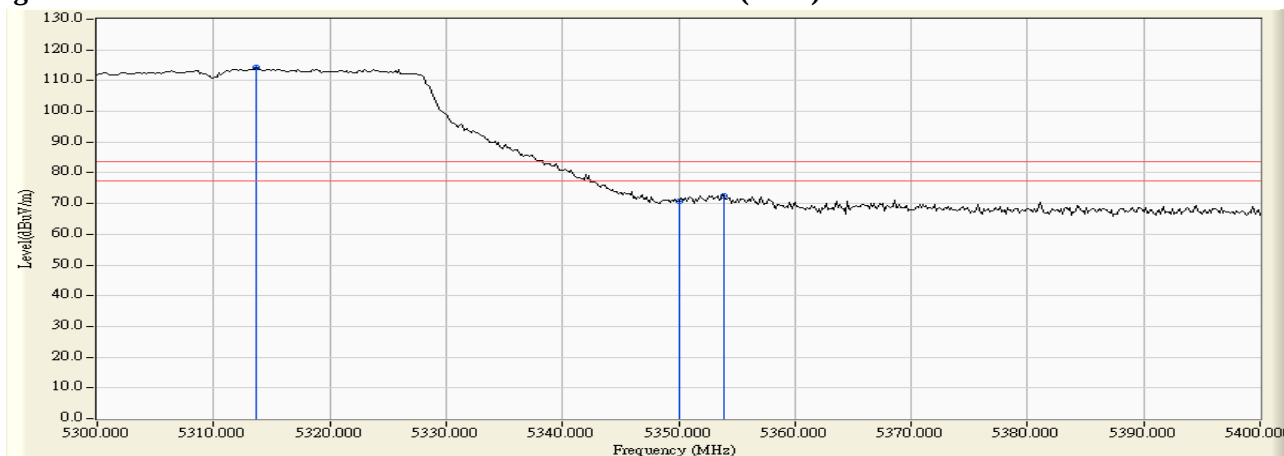
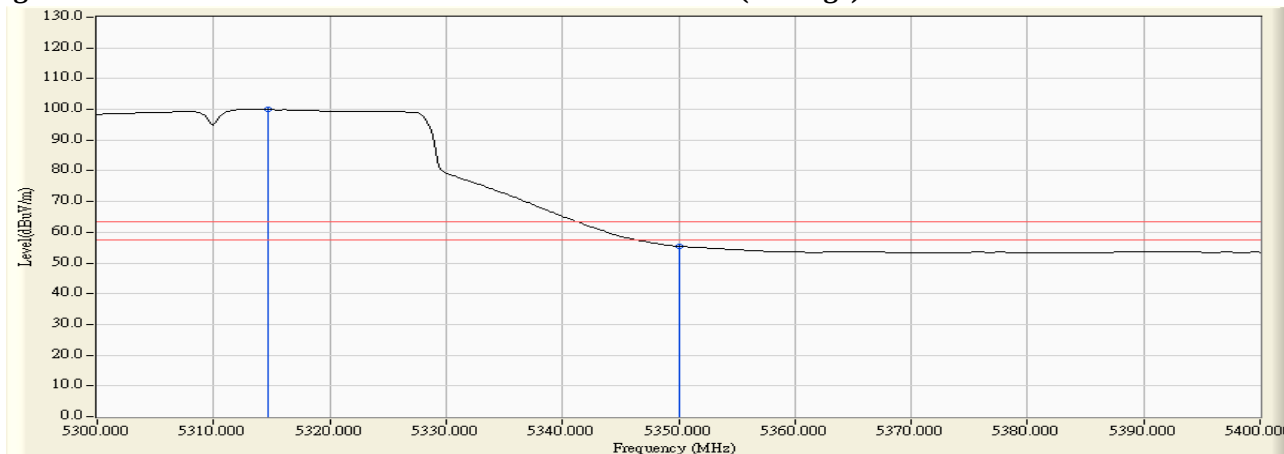


Figure Channel 62: Horizontal (Average)



Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. The antenna distance is 1m, average limit is 54dBuV + 9.54dB = 63.54dBuV, peak limit is 74dBuV + 9.54dB = 83.54dBuV.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection

Product : 802.11 ac PCIe Module
Test Item : Band Edge Data
Test Site : No.3 OATS
Test Mode : Mode 21: Transmit (802.11n-40BW 30Mbps)(Panel Antenna) -Channel 62 (5310MHz)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
62 (Peak)	5318.696	37.551	80.534	118.085	--	--	--
62 (Peak)	5350.000	37.546	36.106	73.652	83.540	63.540	Pass
62 (Peak)	5352.898	37.546	38.663	76.209	83.540	63.540	Pass
62 (Average)	5318.696	37.551	65.967	103.518	--	--	--
62 (Average)	5350.000	37.546	20.293	57.839	83.540	63.540	Pass

Figure Channel 62: Vertical (Peak)

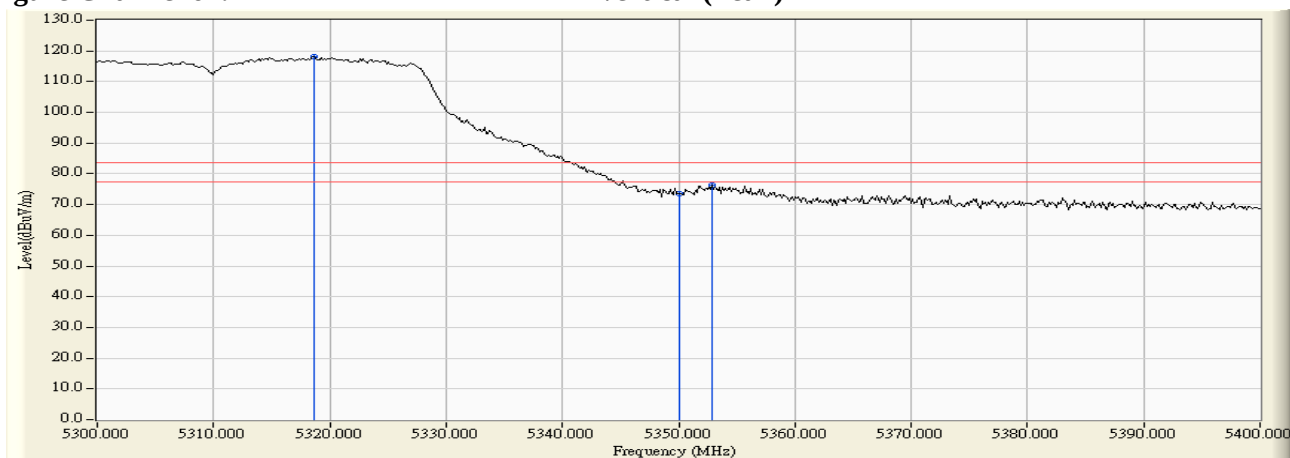
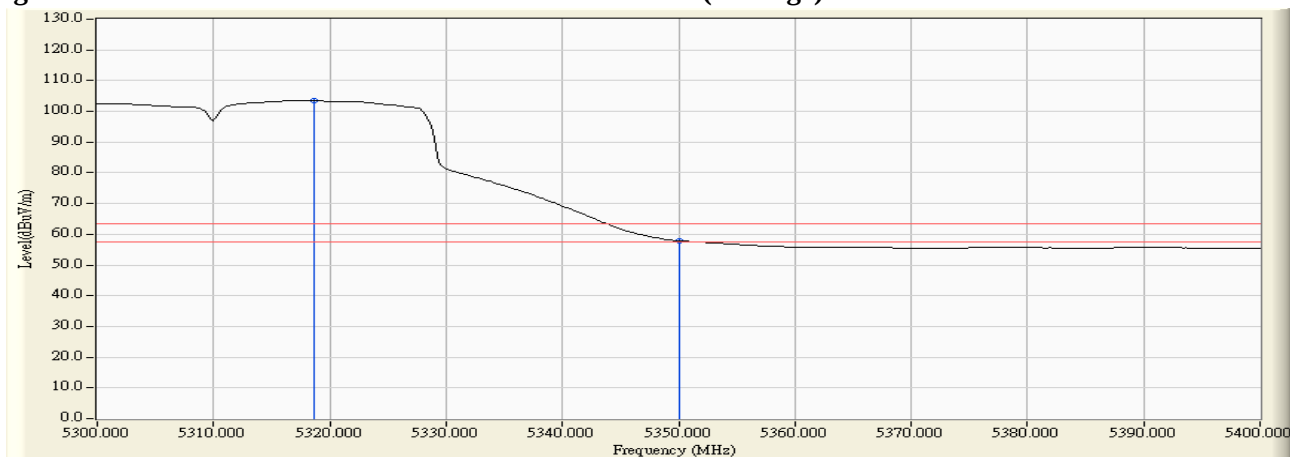


Figure Channel 62: Vertical (Average)



Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. The antenna distance is 1m, average limit is 54dBuV + 9.54dB = 63.54dBuV, peak limit is 74dBuV + 9.54dB = 83.54dBuV.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection

Product : 802.11 ac PCIe Module
Test Item : Band Edge Data
Test Site : No.3 OATS
Test Mode : Mode 21: Transmit (802.11n-40BW 30Mbps)(Panel Antenna) -Channel 102 (5510MHz)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
102 (Peak)	5460.000	36.240	31.935	68.175	83.540	63.540	Pass
102 (Peak)	5506.377	36.706	83.735	120.440	--	--	--
102 (Average)	5460.000	36.240	18.683	54.923	83.540	63.540	Pass
102 (Average)	5502.898	36.704	69.137	105.840	--	--	--

Figure Channel 102: Horizontal (Peak)

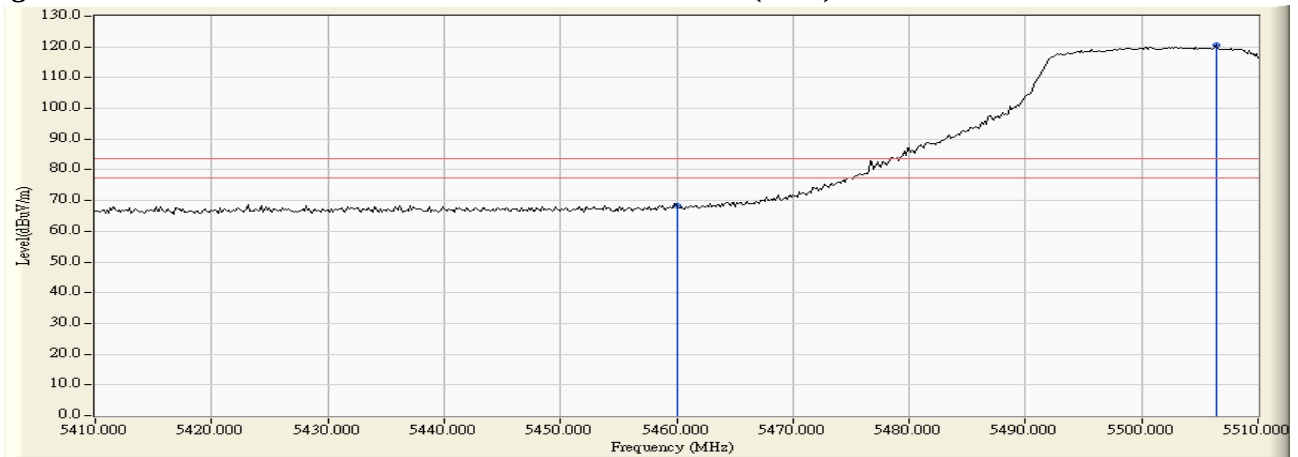
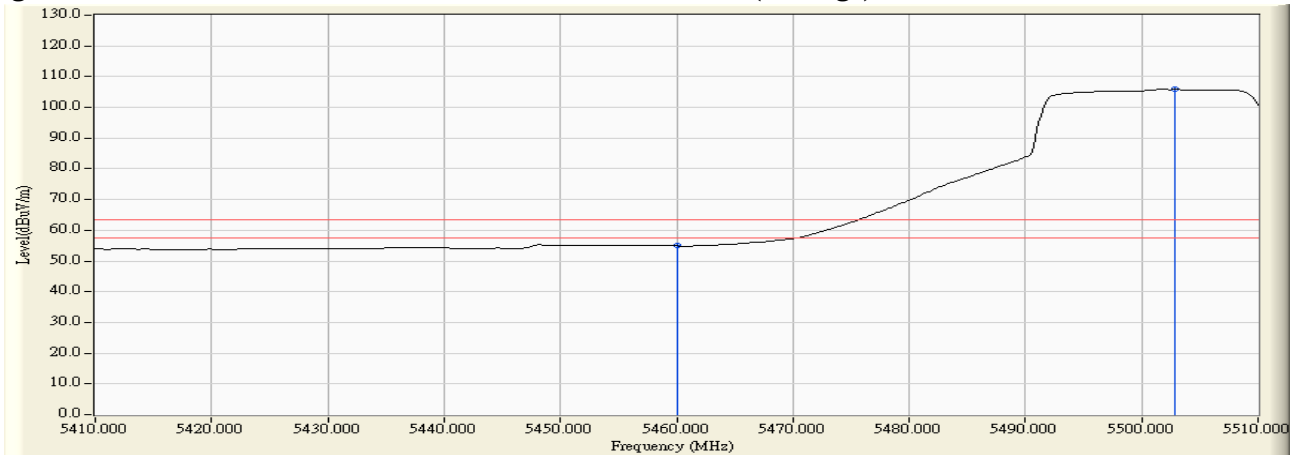


Figure Channel 102: Horizontal (Average)



Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. The antenna distance is 1m, average limit is 54dBuV + 9.54dB = 63.54dBuV, peak limit is 74dBuV + 9.54dB = 83.54dBuV.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection

Product : 802.11 ac PCIe Module
Test Item : Band Edge Data
Test Site : No.3 OATS
Test Mode : Mode 21: Transmit (802.11n-40BW 30Mbps)(Panel Antenna) -Channel 102 (5510MHz)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
102 (Peak)	5458.985	37.921	32.262	70.183	83.540	63.540	Pass
102 (Peak)	5460.000	37.927	30.394	68.321	83.540	63.540	Pass
102 (Peak)	5501.739	38.149	80.044	118.193	--	--	--
102 (Average)	5448.406	37.851	18.890	56.742	83.540	63.540	Pass
102 (Average)	5460.000	37.927	18.029	55.956	83.540	63.540	Pass
102 (Average)	5501.594	38.149	66.065	104.214	--	--	--

Figure Channel 102: Vertical (Peak)

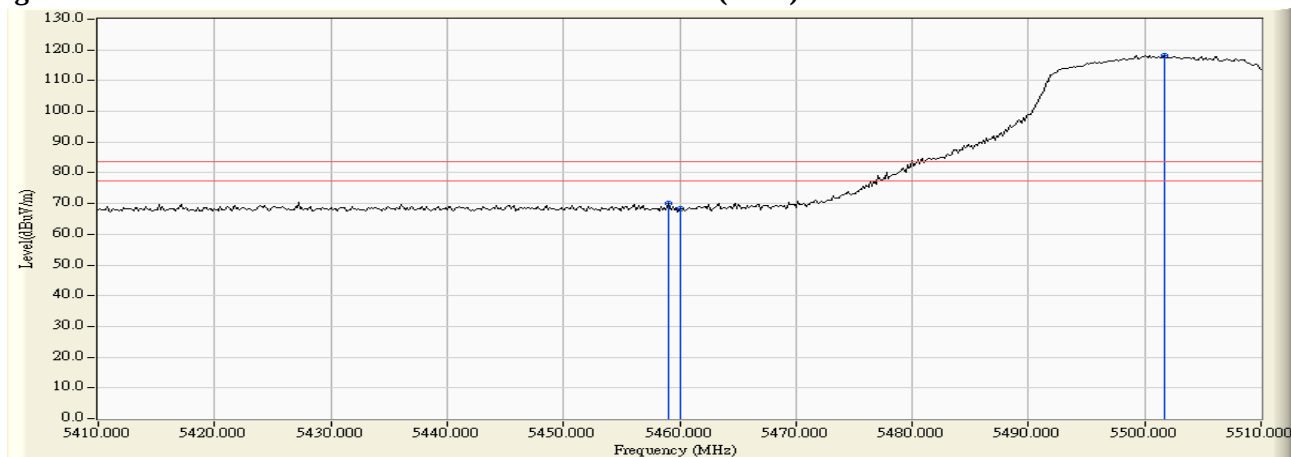
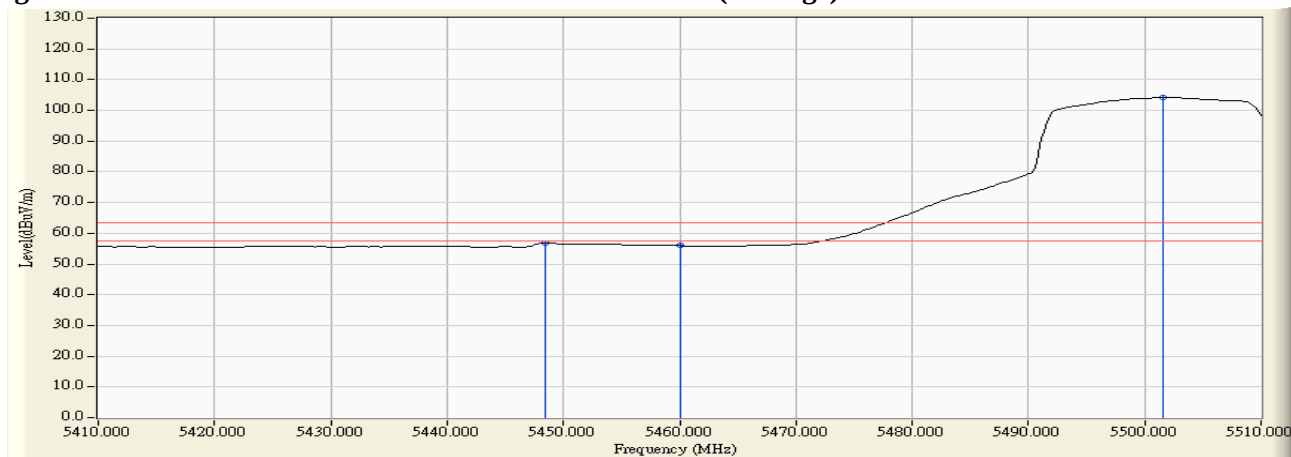
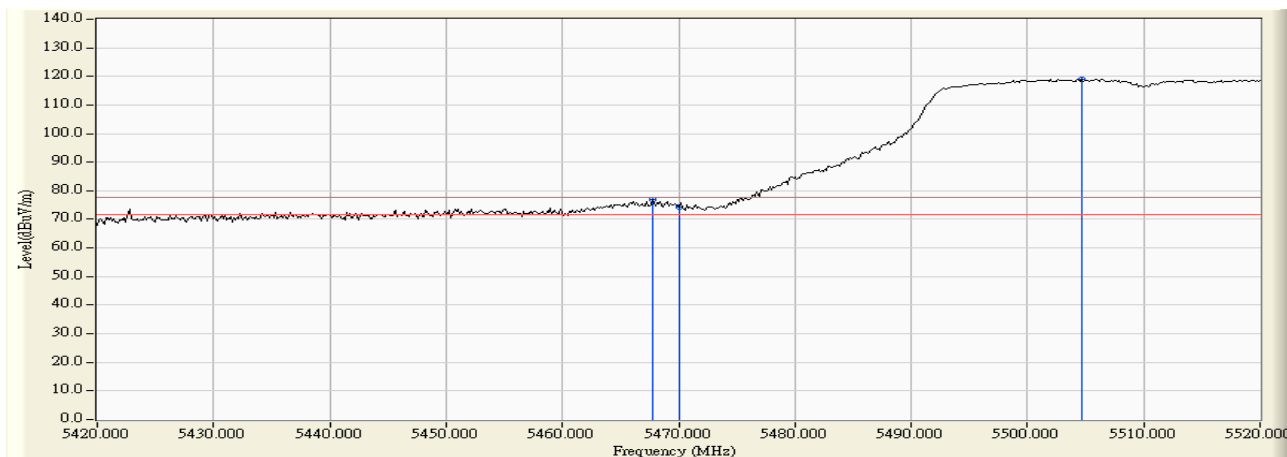


Figure Channel 102: Vertical (Average)



- Note:1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. The antenna distance is 1m, average limit is 54dBuV + 9.54dB = 63.54dBuV, peak limit is 74dBuV + 9.54dB = 83.54dBuV.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection

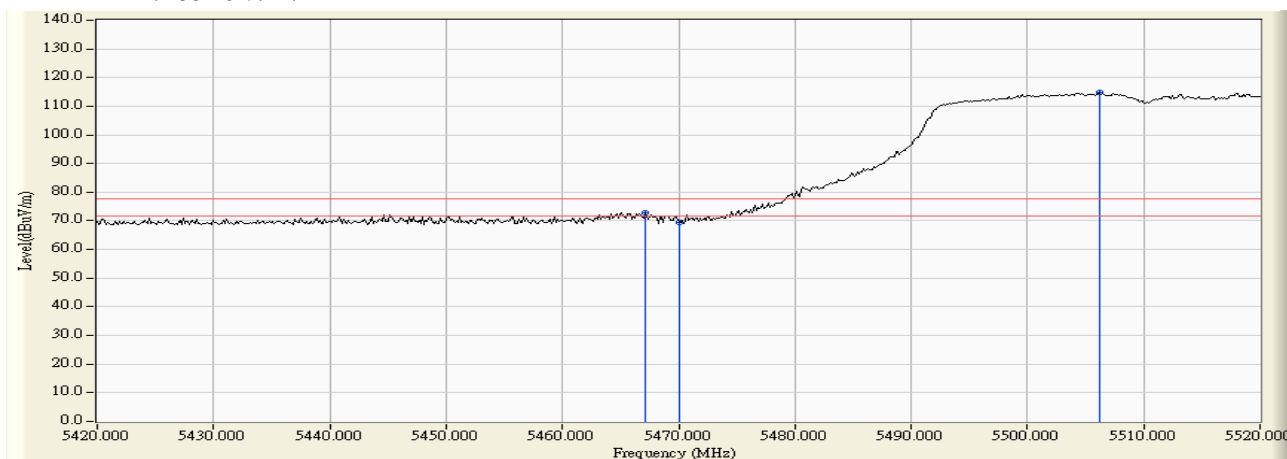
Product : 802.11 ac PCIe Module
Test Item : Band Edge Data
Test Site : No.3 OATS
Test Mode : Mode 21: Transmit (802.11n-40BW 30Mbps)(Panel Antenna) -Channel 102



RF Radiated Measurement:

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Horizontal	5467.826	36.342	40.716	77.058	-0.702	77.760	Pass
Horizontal	5470.000	36.370	38.077	74.447	-3.313	77.760	--
Horizontal	5504.638	36.715	82.237	118.952	--	--	--

Note:1. The antenna distance is 1m, $E[\text{dB}\mu\text{V}/\text{m}] = \text{EIRP}[\text{dBm}] - 20 \log(d[\text{meters}]) + 104.77 = -27\text{dBm} + 104.76 = 77.76\text{dB}\mu\text{V}/\text{m}$.

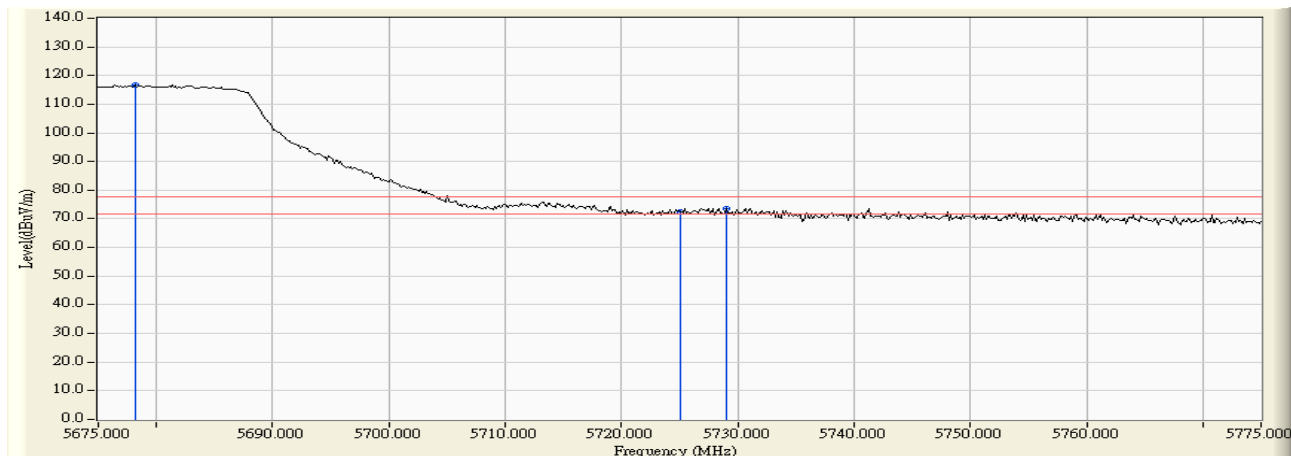


RF Radiated Measurement:

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Vertical	5467.102	37.974	34.768	72.742	-5.018	77.760	Pass
Vertical	5470.000	37.994	31.486	69.479	-8.281	77.760	Pass
Vertical	5506.232	38.149	76.528	114.678	--	--	--

Note:1. The antenna distance is 1m, $E[\text{dB}\mu\text{V}/\text{m}] = \text{EIRP}[\text{dBm}] - 20 \log(d[\text{meters}]) + 104.77 = -27\text{dBm} + 104.76 = 77.76\text{dB}\mu\text{V}/\text{m}$.

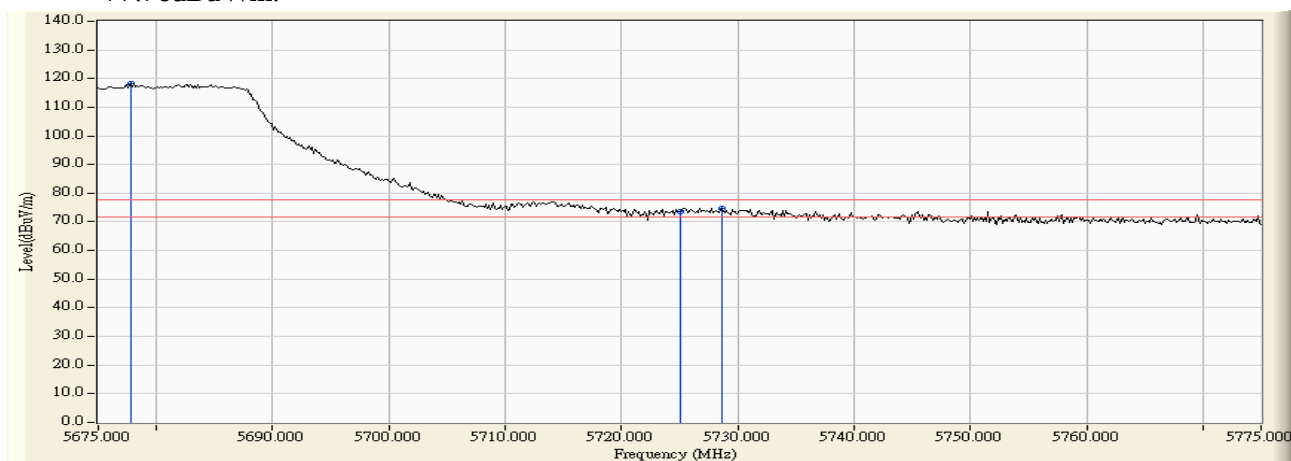
Product : 802.11 ac PCIe Module
Test Item : Band Edge Data
Test Site : No.3 OATS
Test Mode : Mode 21: Transmit (802.11n-40BW 30Mbps)(Panel Antenna) -Channel 134



RF Radiated Measurement:

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Horizontal	5678.188	36.300	80.252	116.552	--	--	--
Horizontal	5725.000	36.391	36.147	72.538	-5.222	77.760	Pass
Horizontal	5729.058	36.389	37.349	73.737	-4.023	77.760	Pass

Note:1. The antenna distance is 1m, $E[\text{dB}\mu\text{V}/\text{m}] = \text{EIRP}[\text{dBm}] - 20 \log(d[\text{meters}]) + 104.77 = -27\text{dBm} + 104.76 = 77.76\text{dB}\mu\text{V}/\text{m}$.



RF Radiated Measurement:

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Vertical	5677.753	37.701	80.533	118.234	--	--	--
Vertical	5725.000	37.729	35.723	73.452	-4.308	77.760	Pass
Vertical	5728.623	37.726	37.091	74.817	-2.943	77.760	Pass

Note:1. The antenna distance is 1m, $E[\text{dB}\mu\text{V}/\text{m}] = \text{EIRP}[\text{dBm}] - 20 \log(d[\text{meters}]) + 104.77 = -27\text{dBm} + 104.76 = 77.76\text{dB}\mu\text{V}/\text{m}$.

Product : 802.11 ac PCie Module
Test Item : Band Edge Data
Test Site : No.3 OATS
Test Mode : Mode 24: Transmit (802.11ac-80BW-65Mbps)(Panel Antenna) -Channel 58

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
58 (Peak)	5312.464	35.650	72.471	108.121	--	--	--
58 (Peak)	5350.000	35.571	37.803	73.374	83.540	63.540	Pass
58 (Peak)	5350.580	35.570	39.805	75.375	83.540	63.540	Pass
58 (Average)	5316.087	35.643	55.978	91.621	--	--	--
58 (Average)	5350.000	35.571	22.960	58.531	83.540	63.540	Pass

Figure Channel 58: Horizontal (Peak)

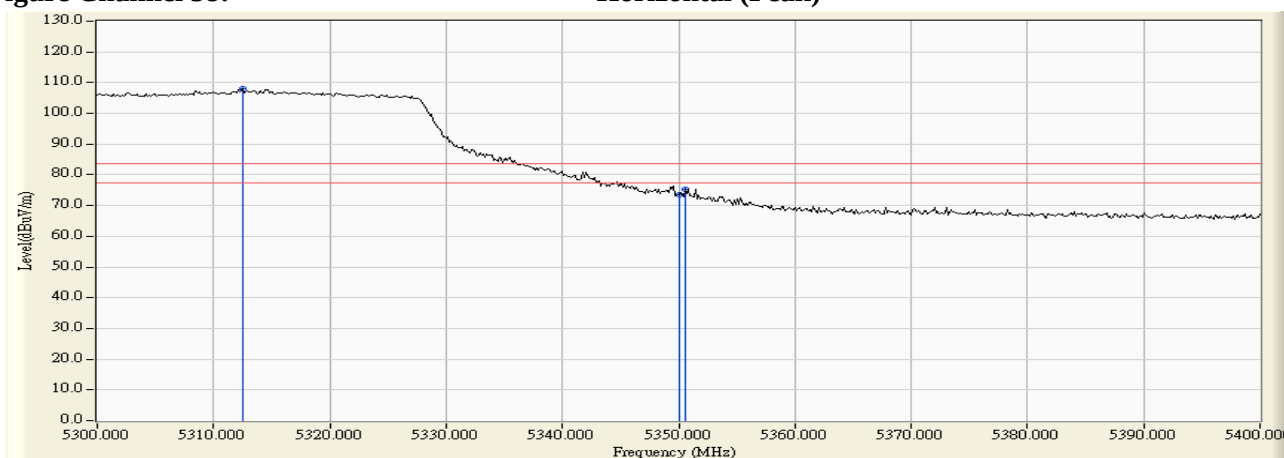
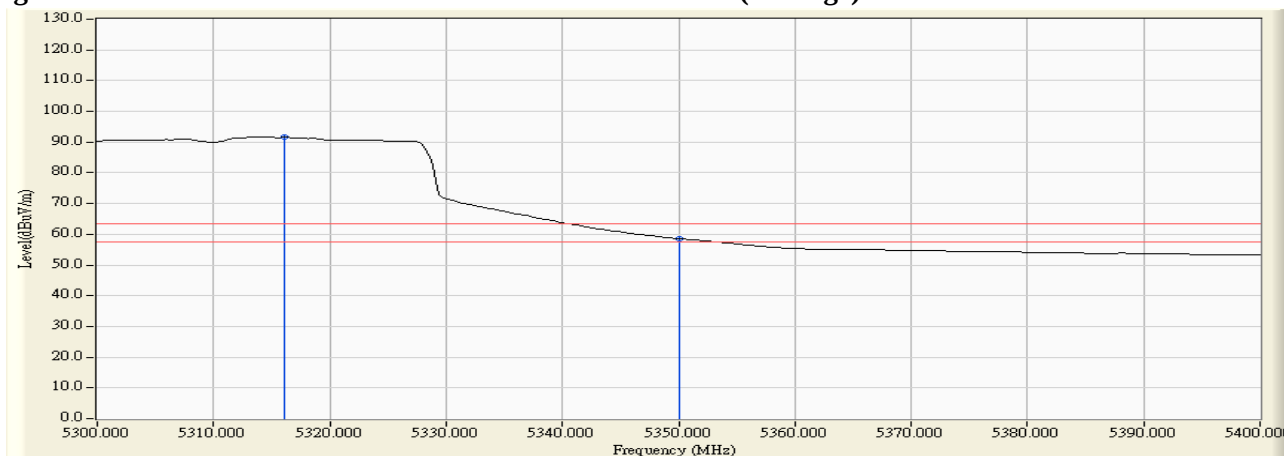


Figure Channel 58: Horizontal (Average)



Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. The antenna distance is 1m, average limit is 54dBuV + 9.54dB = 63.54dBuV, peak limit is 74dBuV + 9.54dB = 83.54dBuV.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection

Product : 802.11 ac PCIe Module
Test Item : Band Edge Data
Test Site : No.3 OATS
Test Mode : Mode 24: Transmit (802.11ac-80BW-65Mbps)(Panel Antenna) -Channel 58

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
58 (Peak)	5303.623	37.553	72.943	110.497	--	--	--
58 (Peak)	5350.000	37.546	40.310	77.856	83.540	63.540	Pass
58 (Peak)	5350.725	37.547	41.372	78.918	83.540	63.540	Pass
58 (Average)	5301.304	37.554	55.722	93.277	--	--	--
58 (Average)	5350.000	37.546	24.510	62.056	83.540	63.540	Pass

Figure Channel 58: Vertical (Peak)

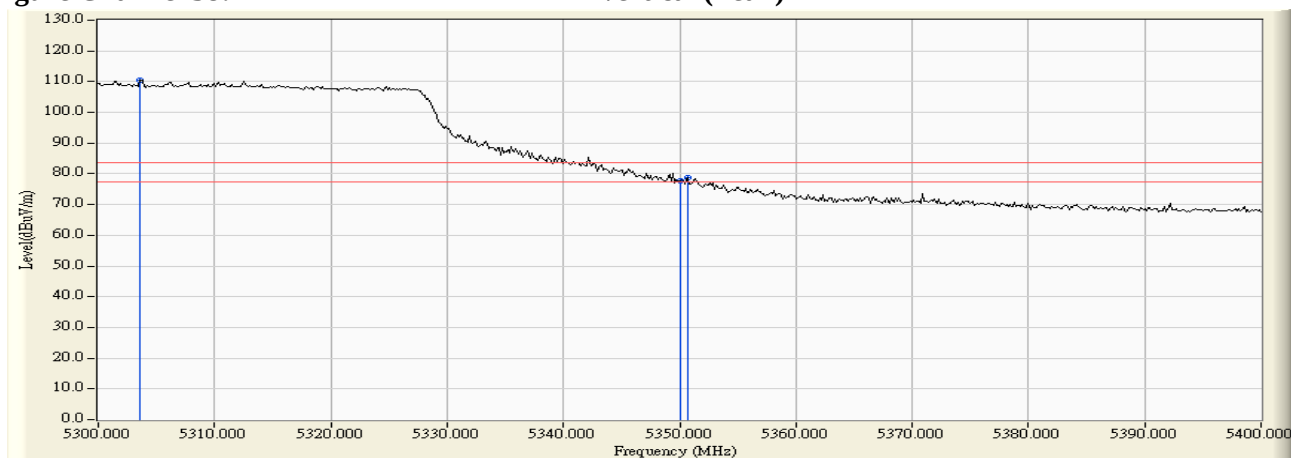
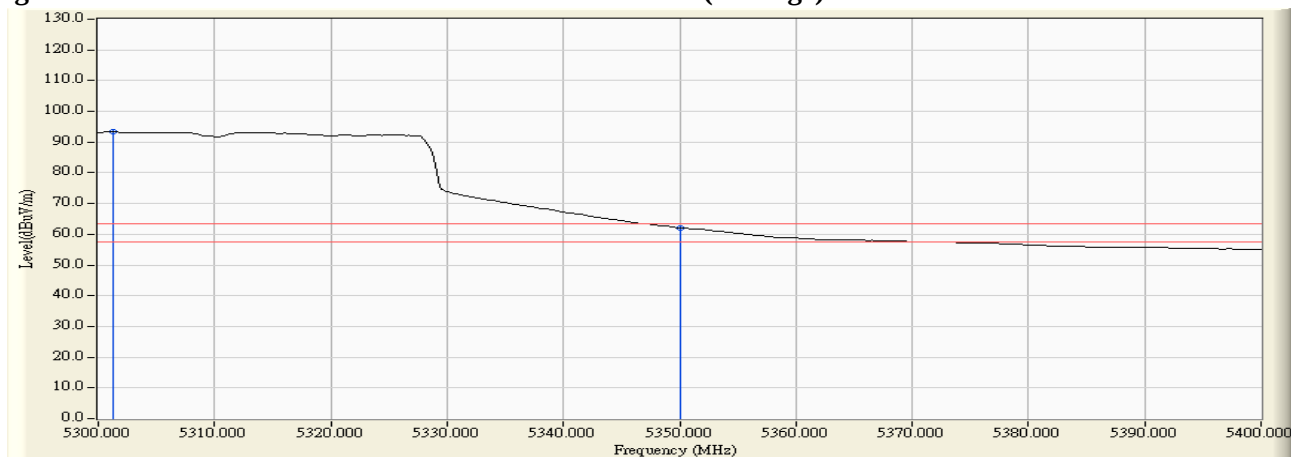


Figure Channel 58: Vertical (Average)



Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. The antenna distance is 1m, average limit is $54\text{dBuV} + 9.54\text{dB} = 63.54\text{dBuV}$, peak limit is $74\text{dBuV} + 9.54\text{dB} = 83.54\text{dBuV}$.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection

Product : 802.11 ac PCIe Module
Test Item : Band Edge Data
Test Site : No.3 OATS
Test Mode : Mode 24: Transmit (802.11ac-80BW-65Mbps)(Panel Antenna) -Channel 106

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
106 (Peak)	5459.130	36.229	40.859	77.088	83.540	63.540	Pass
106 (Peak)	5460.000	36.240	37.856	74.096	83.540	63.540	Pass
106 (Peak)	5507.826	36.693	79.699	116.392	--	--	--
106 (Average)	5460.000	36.240	22.969	59.209	83.540	63.540	Pass
106 (Average)	5507.536	36.695	62.531	99.227	--	--	--

Figure Channel 106: Horizontal (Peak)

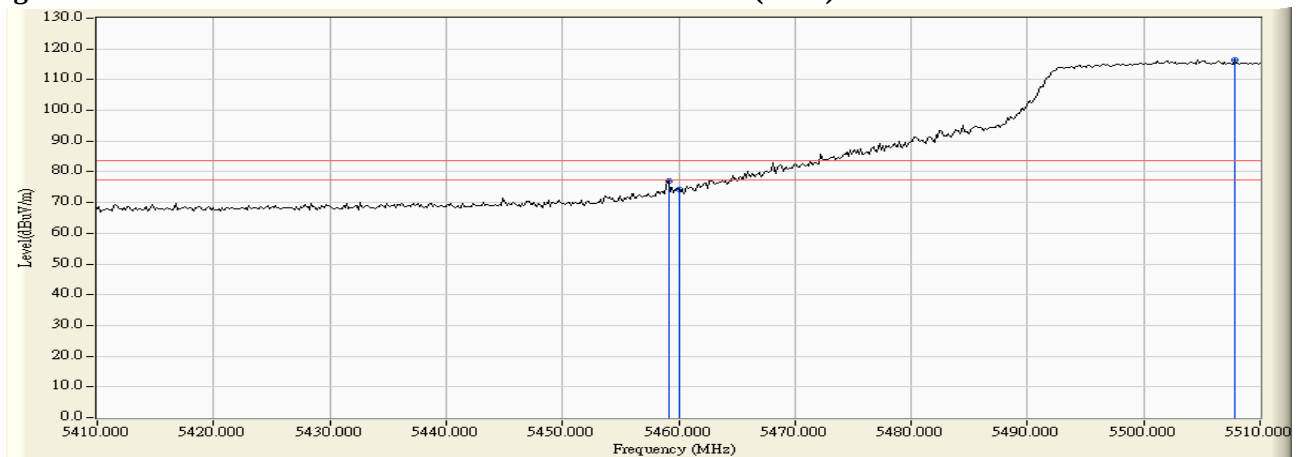
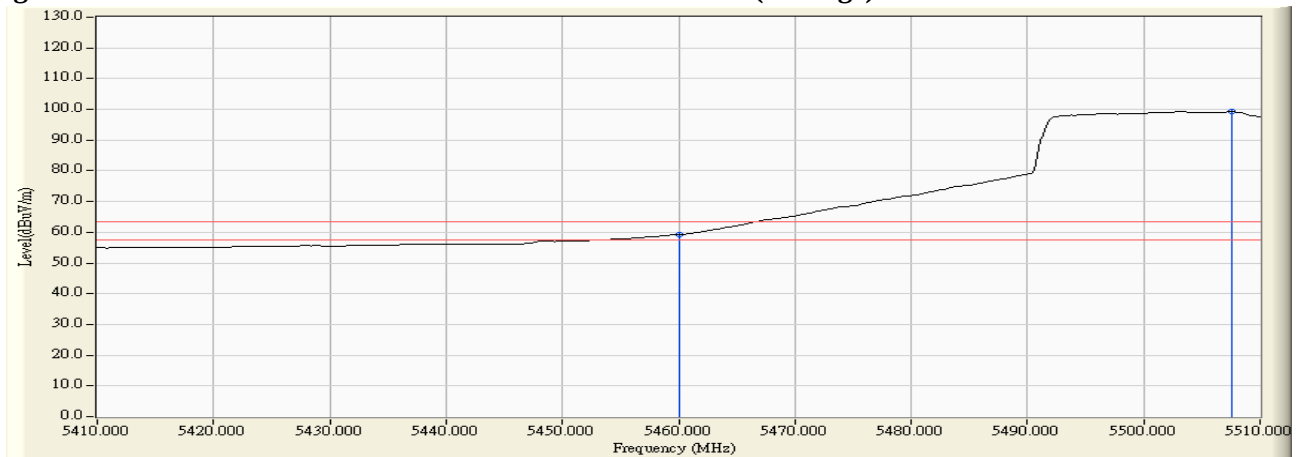


Figure Channel 106: Horizontal (Average)



Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. The antenna distance is 1m, average limit is 54dBuV + 9.54dB = 63.54dBuV, peak limit is 74dBuV + 9.54dB = 83.54dBuV.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection

Product : 802.11 ac PCie Module
Test Item : Band Edge Data
Test Site : No.3 OATS
Test Mode : Mode 24: Transmit (802.11ac-80BW-65Mbps)(Panel Antenna) -Channel 106

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
106 (Peak)	5459.130	37.921	40.280	78.202	83.540	63.540	Pass
106 (Peak)	5460.000	37.927	37.687	75.614	83.540	63.540	Pass
106 (Peak)	5501.884	38.149	78.732	116.882	--	--	--
106 (Average)	5460.000	37.927	22.326	60.253	83.540	63.540	Pass
106 (Average)	5503.623	38.154	61.284	99.438	--	--	--

Figure Channel 106: Vertical (Peak)

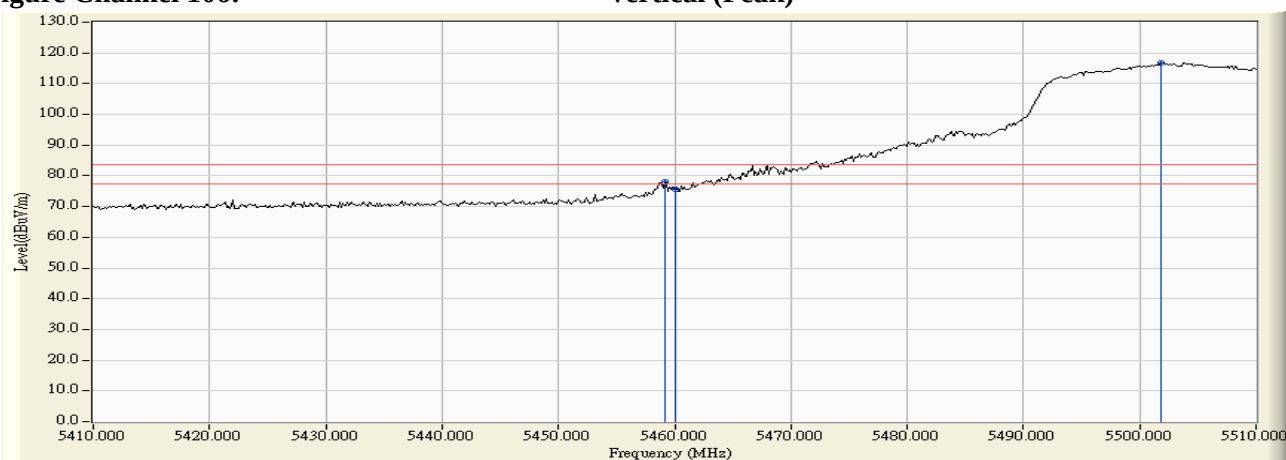
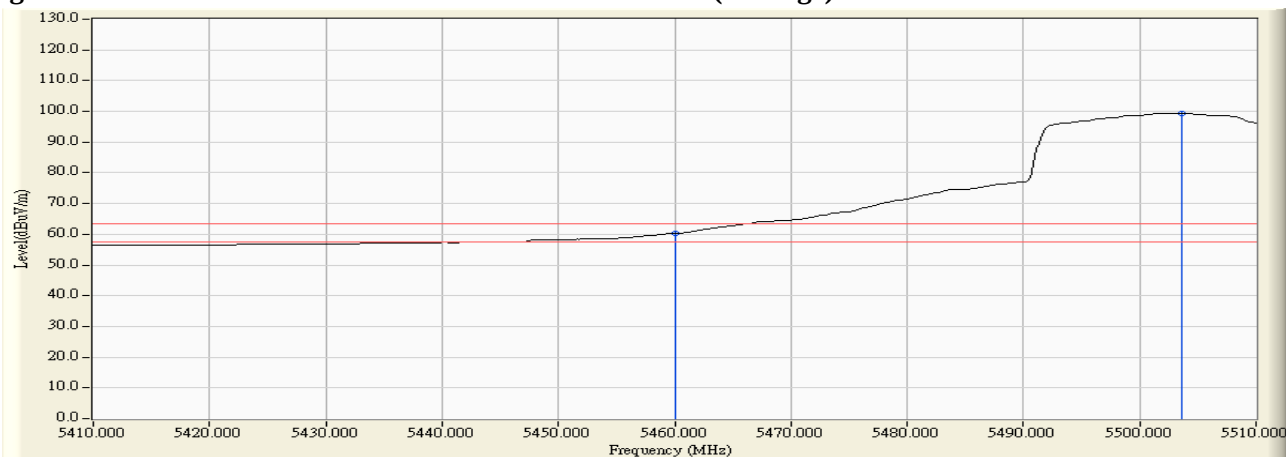


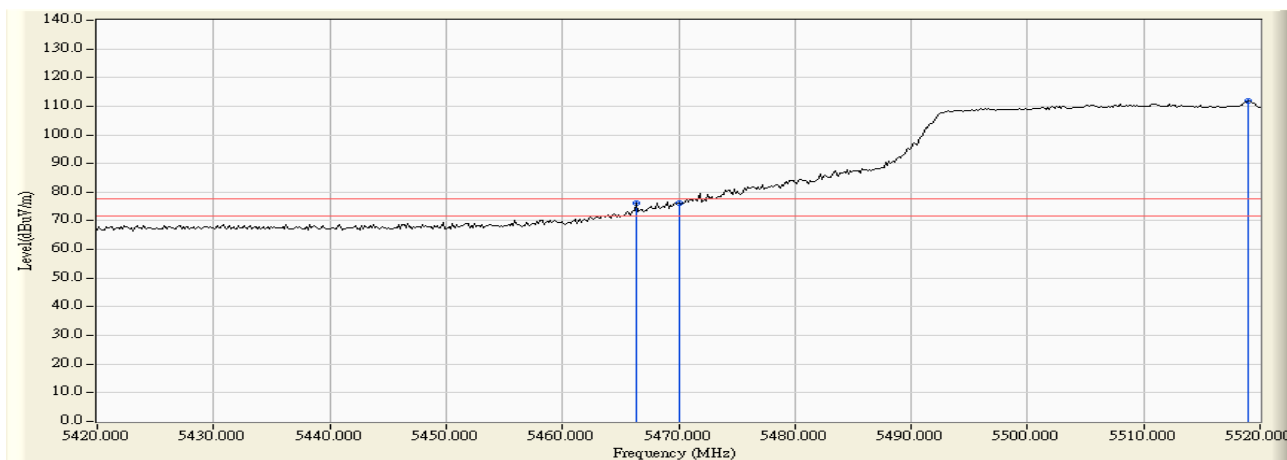
Figure Channel 106: Vertical (Average)



Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. The antenna distance is 1m, average limit is 54dBuV + 9.54dB = 63.54dBuV, peak limit is 74dBuV + 9.54dB = 83.54dBuV.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection

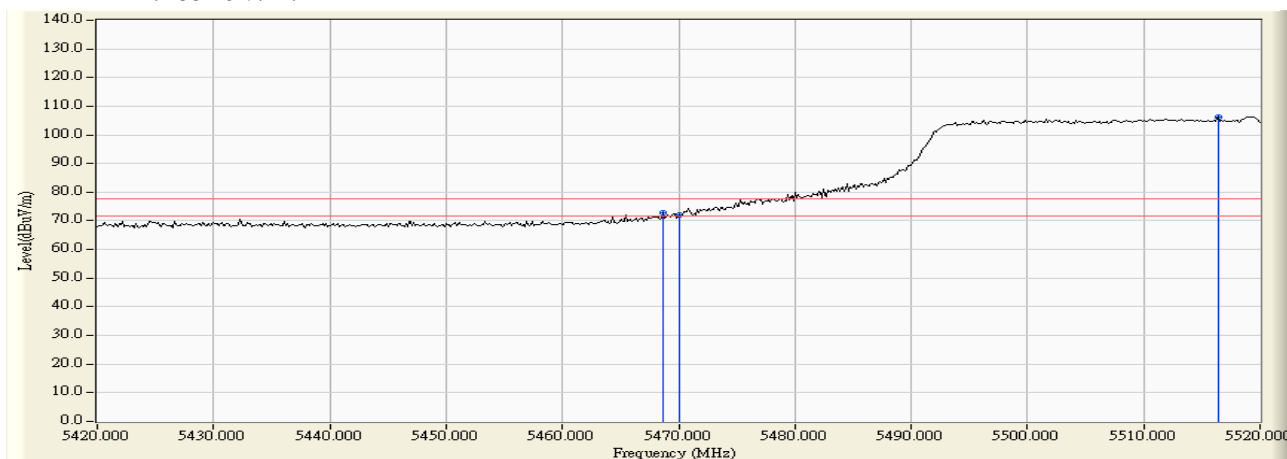
Product : 802.11 ac PCIe Module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Mode : Mode 24: Transmit (802.11ac-80BW-65Mbps)(Panel Antenna) -Channel 106



RF Radiated Measurement:

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Horizontal	5466.377	36.323	39.908	76.231	-1.529	77.760	Pass
Horizontal	5470.000	36.370	39.705	76.075	-1.685	77.760	Pass
Horizontal	5518.985	36.599	75.104	111.703	--	--	--

Note:1. The antenna distance is 1m, $E[\text{dB}\mu\text{V}/\text{m}] = \text{EIRP}[\text{dBm}] - 20 \log(d[\text{meters}]) + 104.77 = -27\text{dBm} + 104.76 = 77.76\text{dB}\mu\text{V}/\text{m}$.



RF Radiated Measurement:

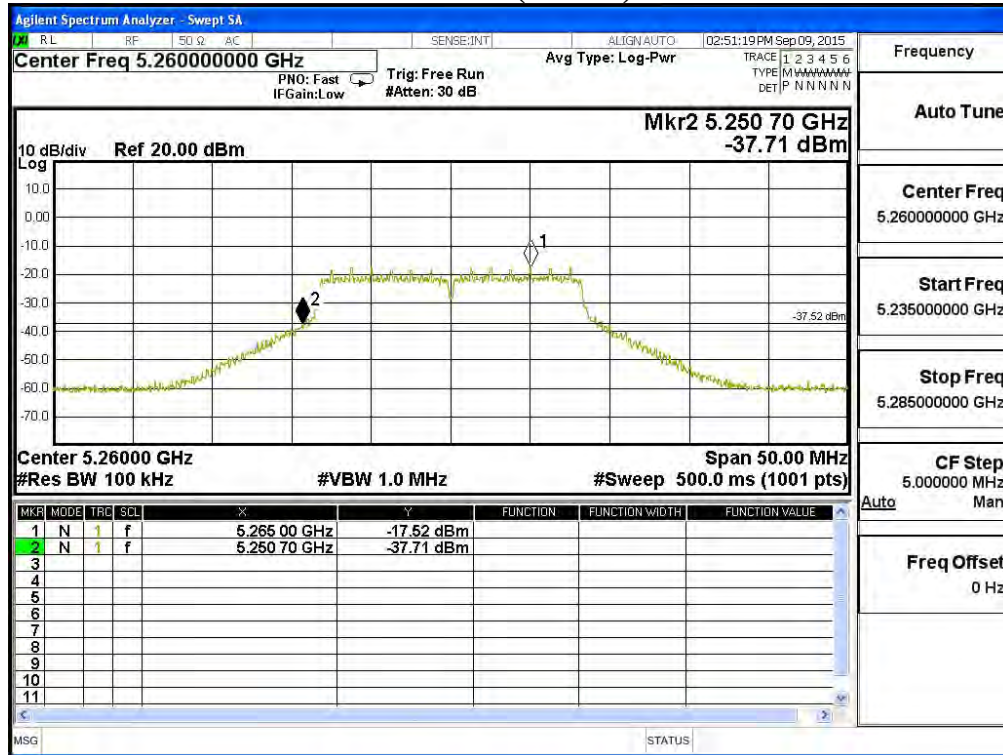
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Vertical	5468.696	37.985	34.979	72.964	-4.796	77.760	Pass
Vertical	5470.000	37.994	34.157	72.150	-5.610	77.760	Pass
Vertical	5516.377	38.081	68.108	106.189	--	--	--

Note:1. The antenna distance is 1m, $E[\text{dB}\mu\text{V}/\text{m}] = \text{EIRP}[\text{dBm}] - 20 \log(d[\text{meters}]) + 104.77 = -27\text{dBm} + 104.76 = 77.76\text{dB}\mu\text{V}/\text{m}$.

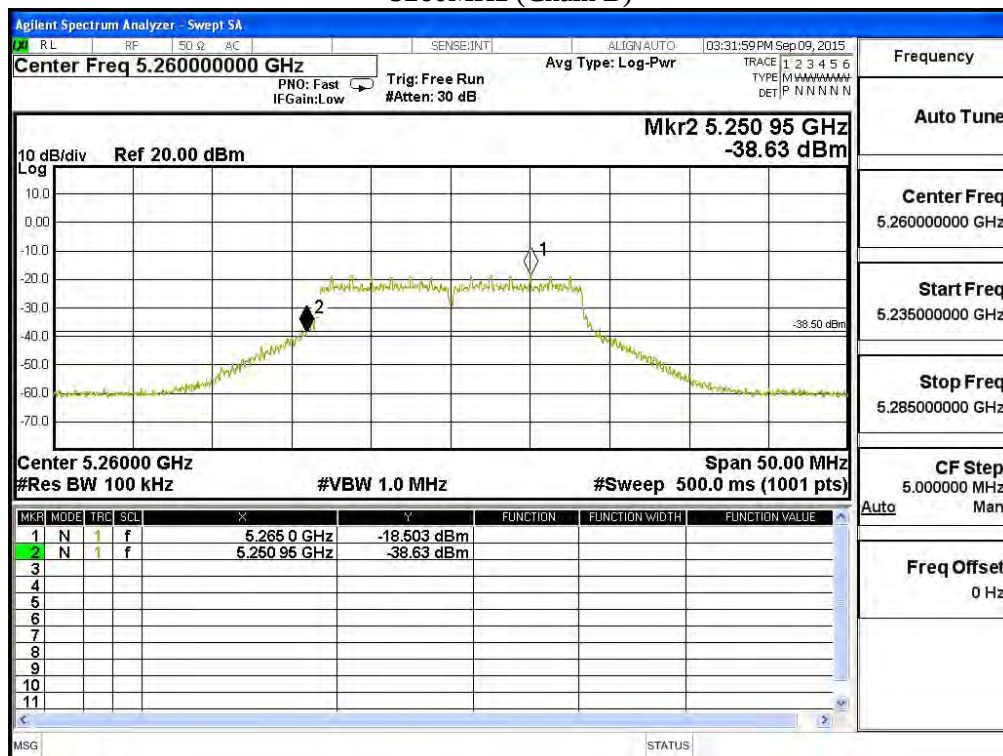
Product : 802.11 ac PCIe Module
Test Item : Band Edge Data
Test Site : No.3 OATS
Test Mode : Mode 19: Transmit (802.11a-6Mbps)(Panel Antenna)

Test Frequency (MHz)	Chain	Measurement Level (20dB BW) (MHz)	Limit (MHz)	Result
5260	A	5250.70	>5250	PASS
5260	B	5250.95	>5250	PASS

5260MHz (Chain A)



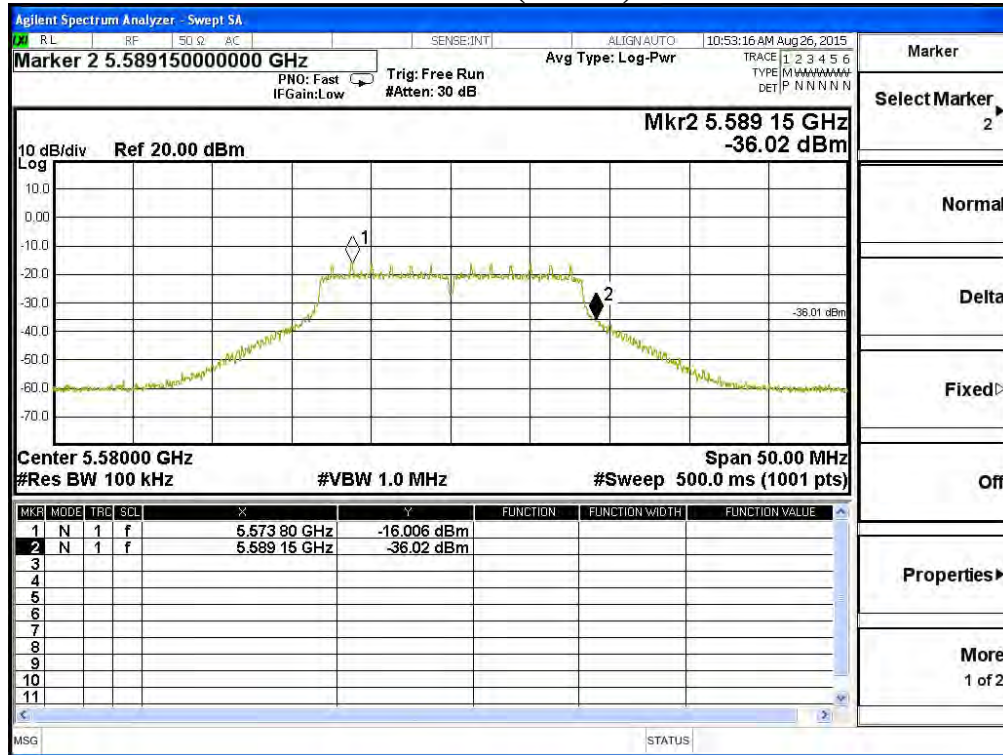
5260MHz (Chain B)



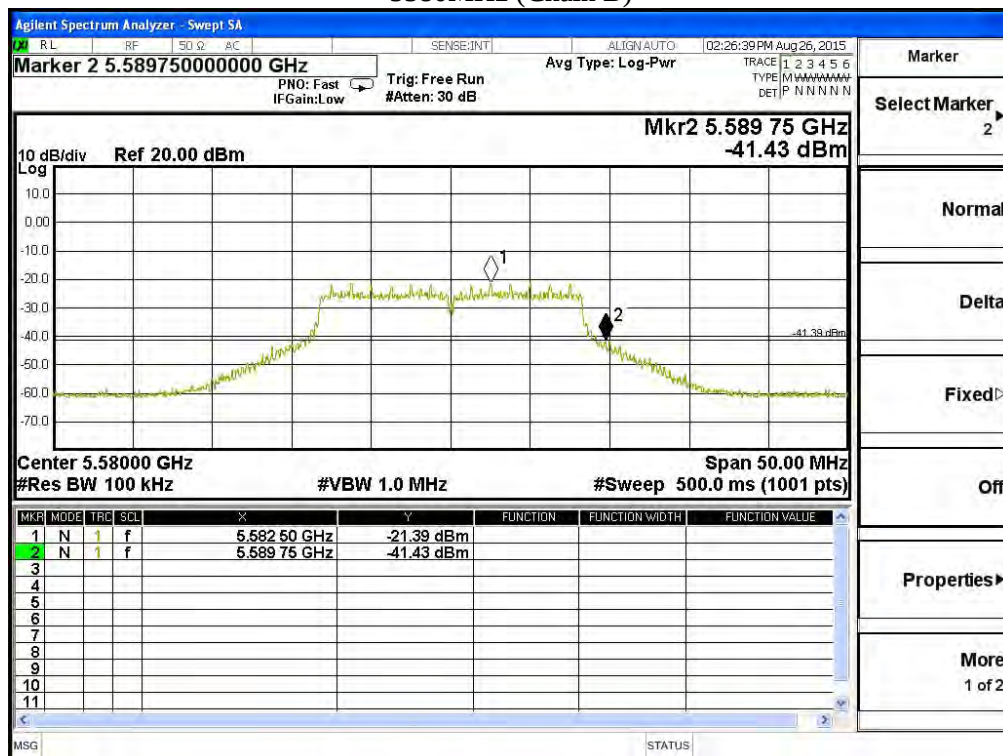
Product : 802.11 ac PCIe Module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Mode : Mode 19: Transmit (802.11a-6Mbps)(Panel Antenna)

Test Frequency (MHz)	Chain	Measurement Level (20dB BW) (MHz)	Limit (MHz)	Result
5580	A	5589.15	<5600	PASS
5660		5650.70	>5650	PASS
5580	B	5589.75	<5600	PASS
5660		5650.6	>5650	PASS

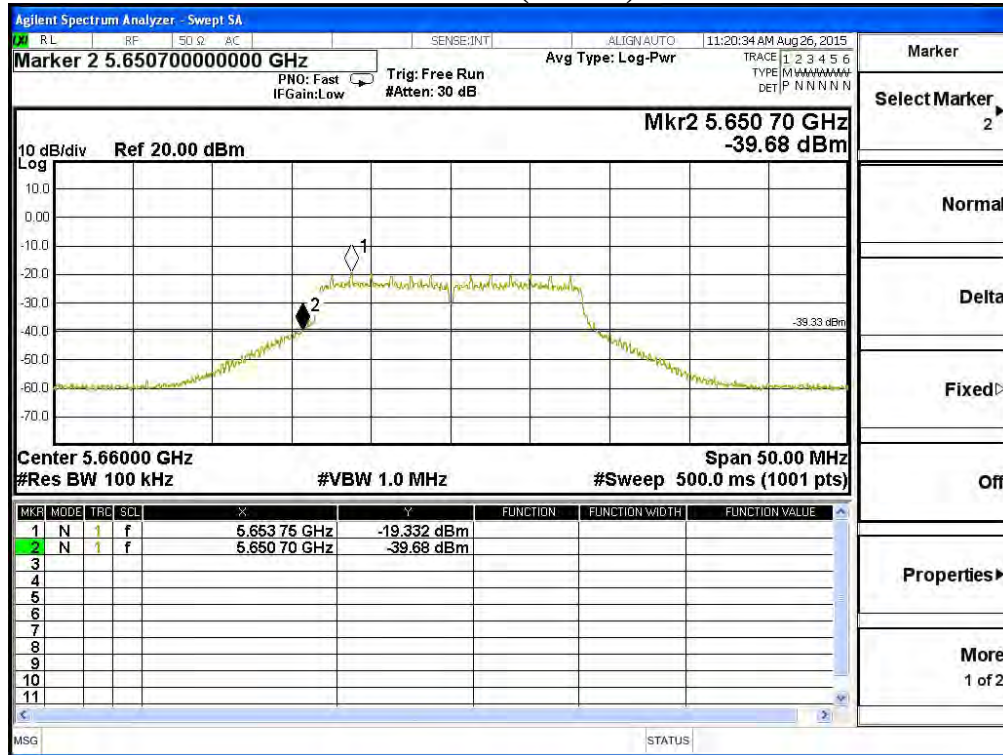
5580MHz (Chain A)



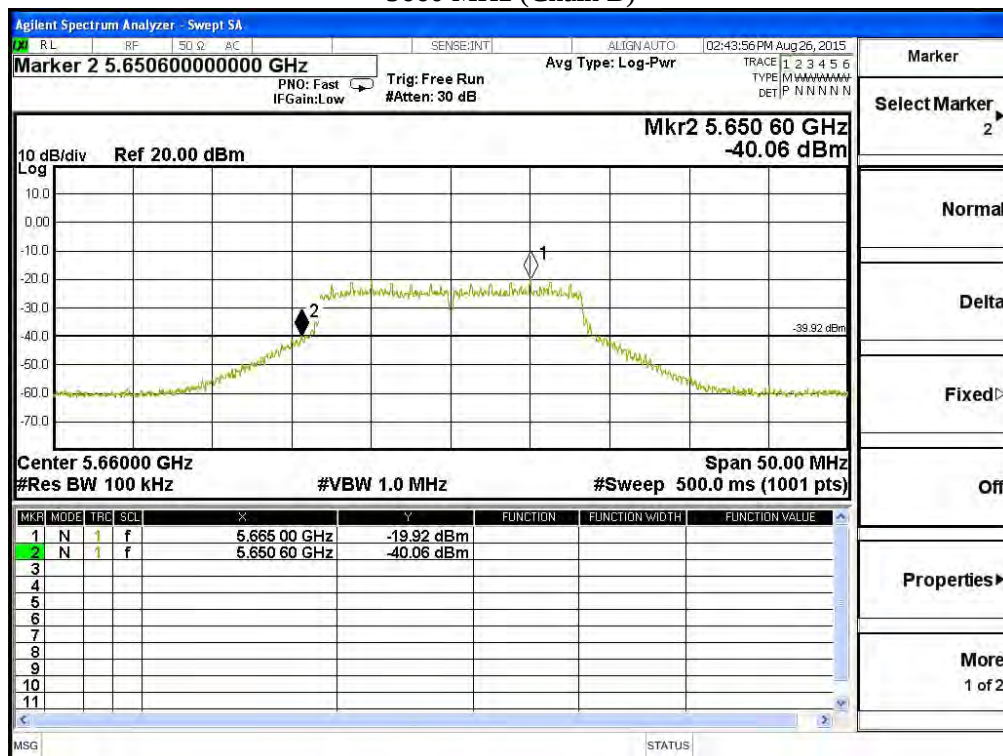
5580MHz (Chain B)



5660 MHz (Chain A)



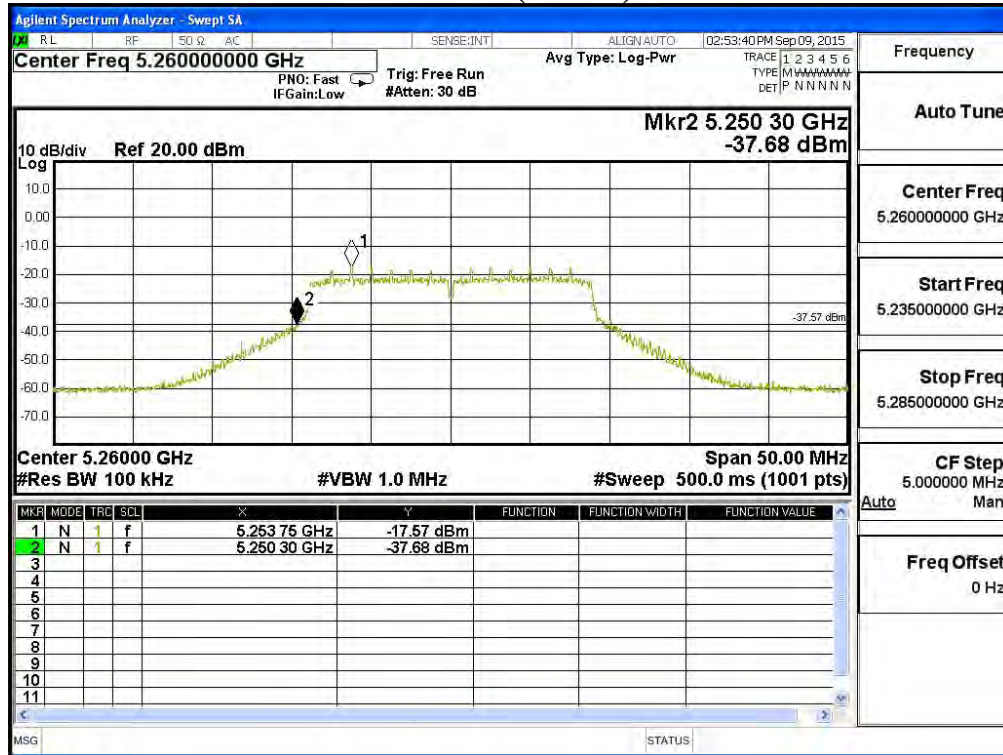
5660 MHz (Chain B)



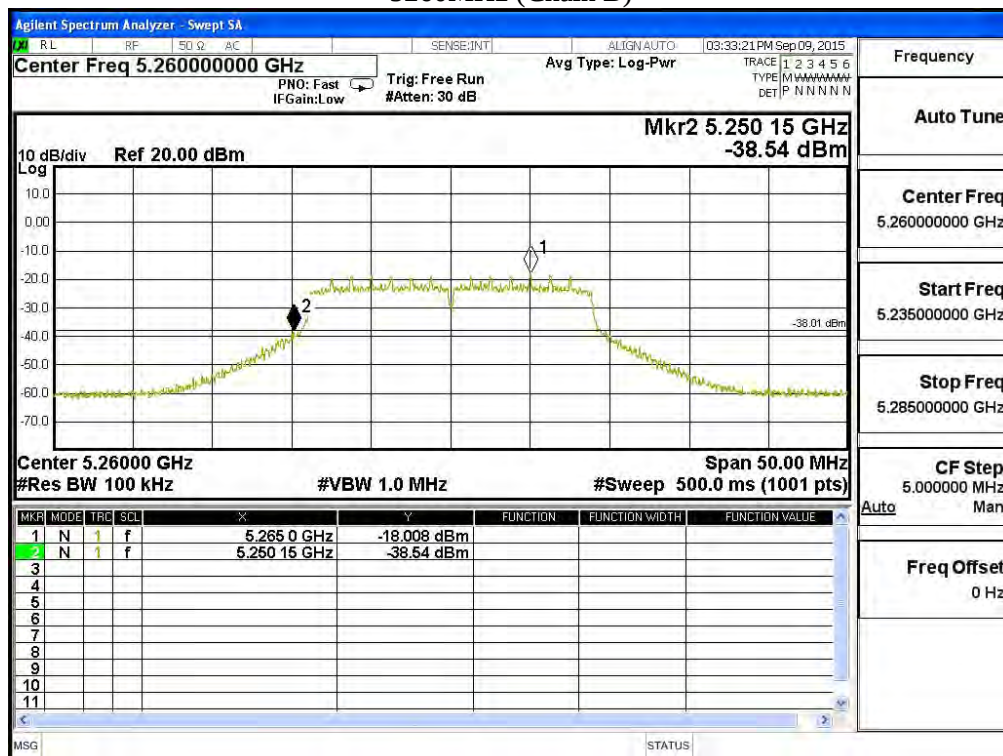
Product : 802.11 ac PCIe Module
Test Item : Band Edge Data
Test Site : No.3 OATS
Test Mode : Mode 20: Transmit (802.11n-20BW 14.4Mbps)(Panel Antenna)

Test Frequency (MHz)	Chain	Measurement Level (20dB BW) (MHz)	Limit (MHz)	Result
5260	A	5250.30	>5250	PASS
5260	B	5250.15	>5250	PASS

5260MHz (Chain A)



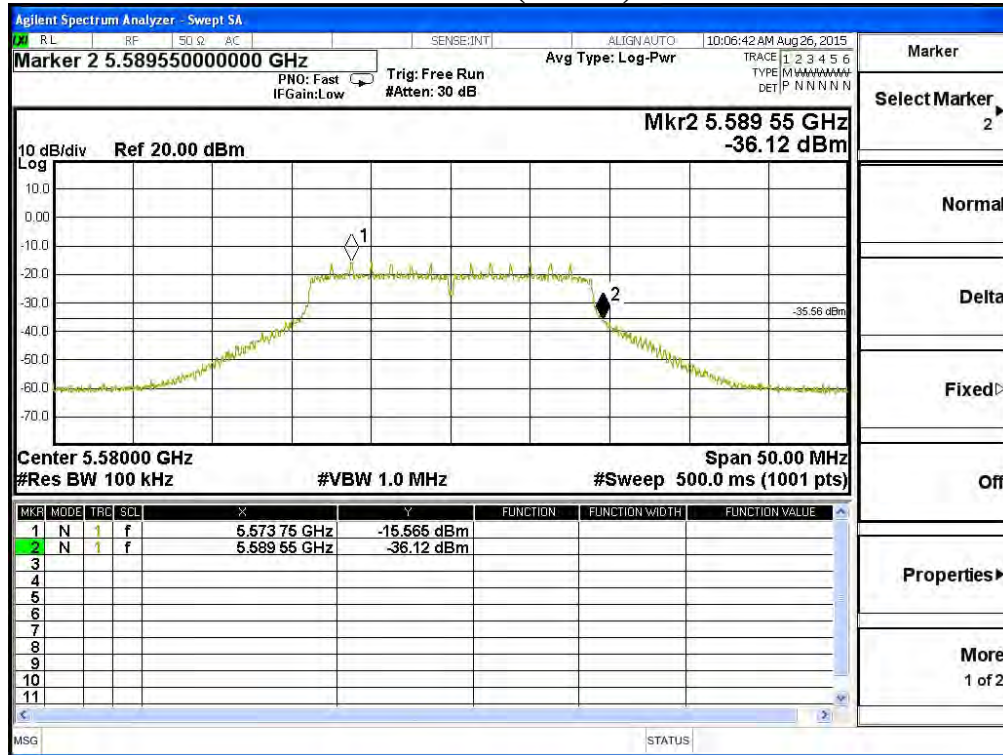
5260MHz (Chain B)



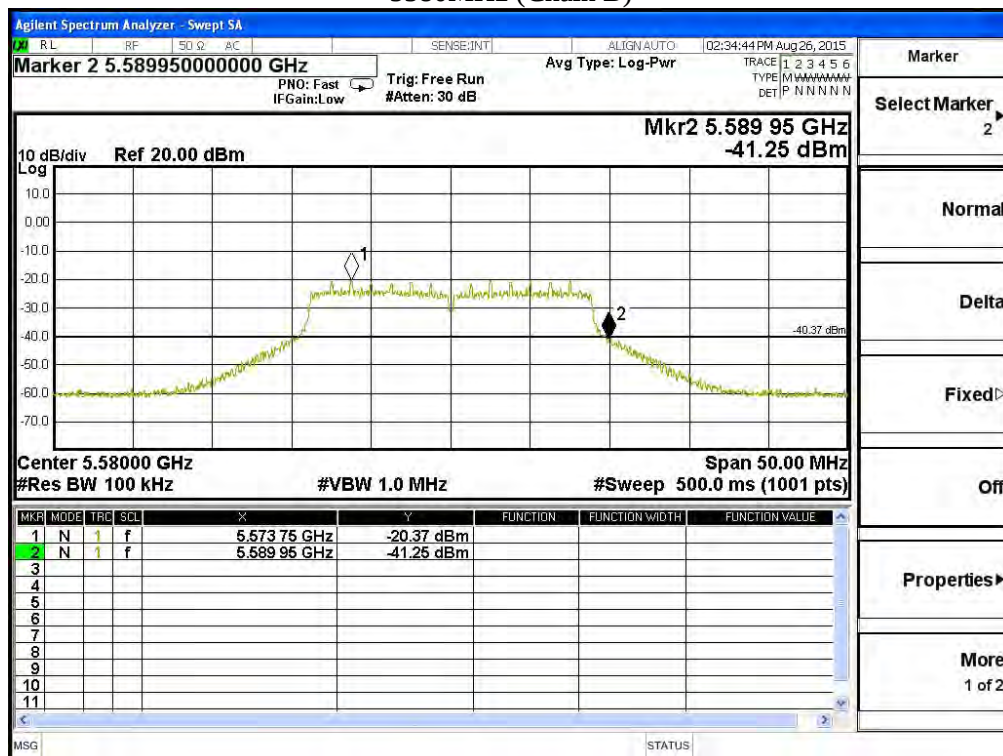
Product : 802.11 ac PCIe Module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Mode : Mode 20: Transmit (802.11n-20BW 14.4Mbps)(Panel Antenna)

Test Frequency (MHz)	Chain	Measurement Level (20dB BW) (MHz)	Limit (MHz)	Result
5580	A	5589.55	<5600	PASS
5660		5650.35	>5650	PASS
5580	B	5589.95	<5600	PASS
5660		5650.45	>5650	PASS

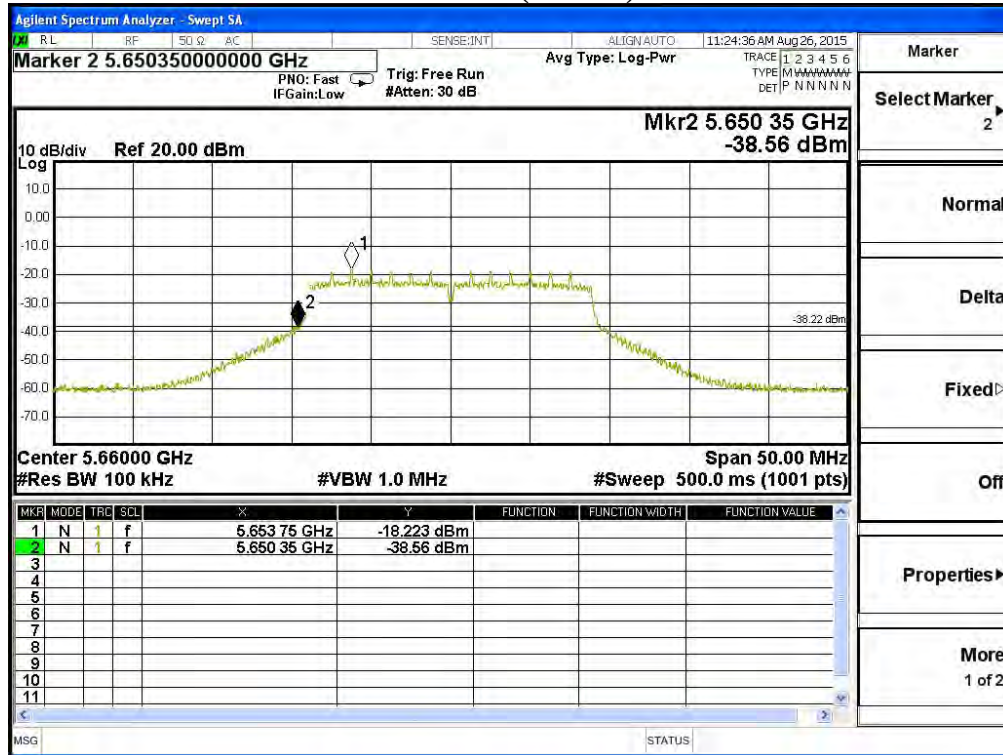
5580MHz (Chain A)



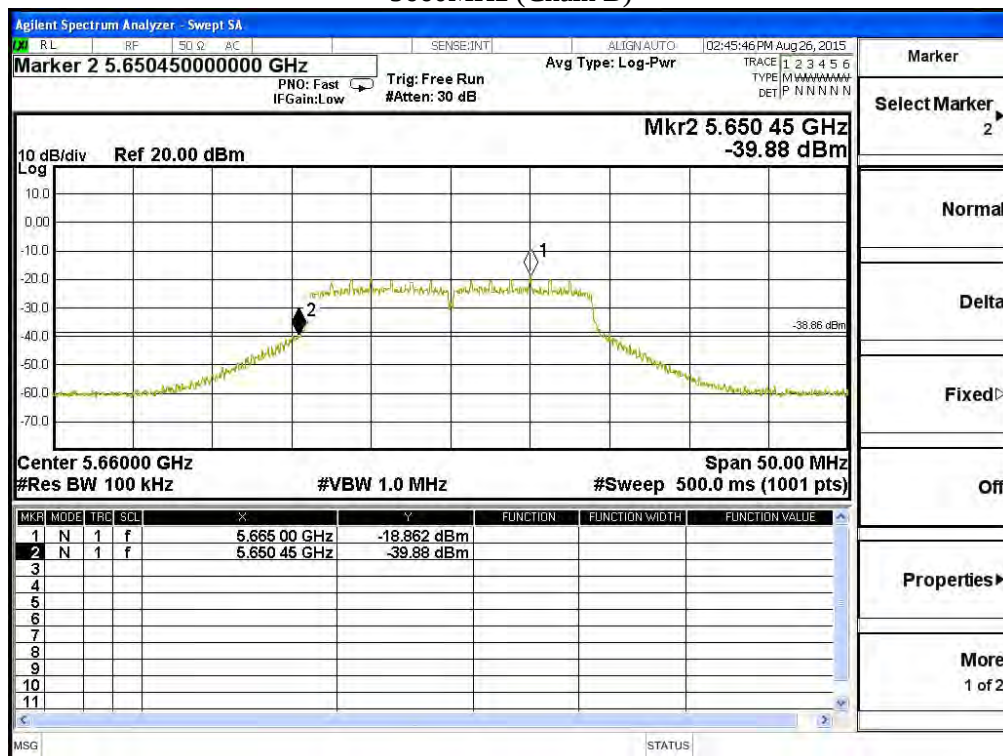
5580MHz (Chain B)



5660 MHz (Chain A)



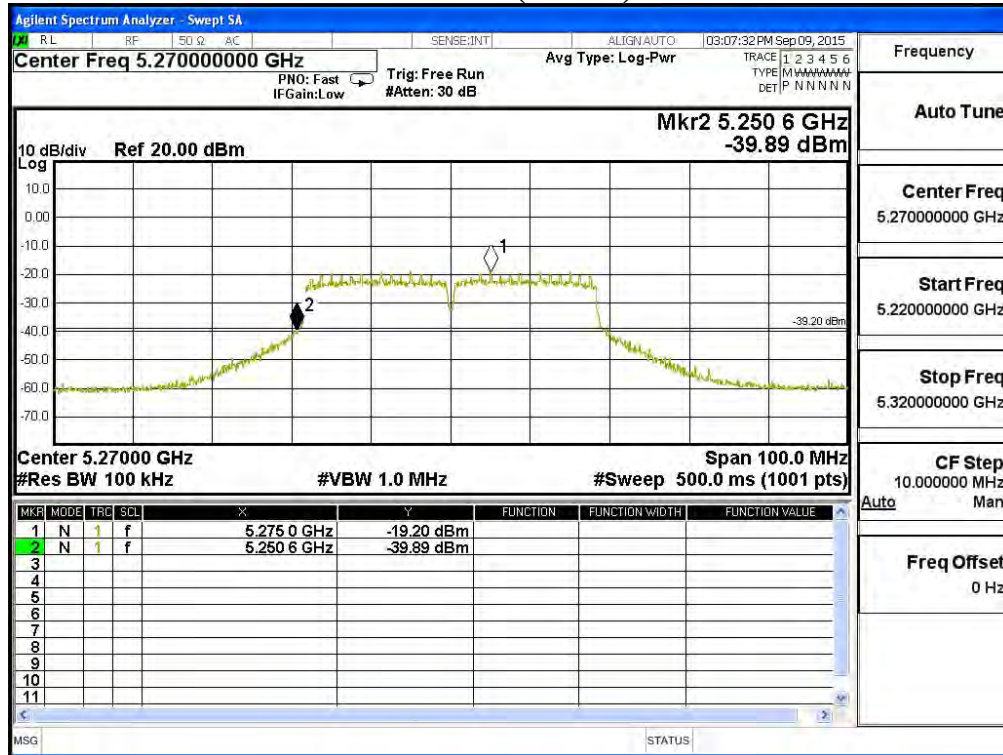
5660MHz (Chain B)



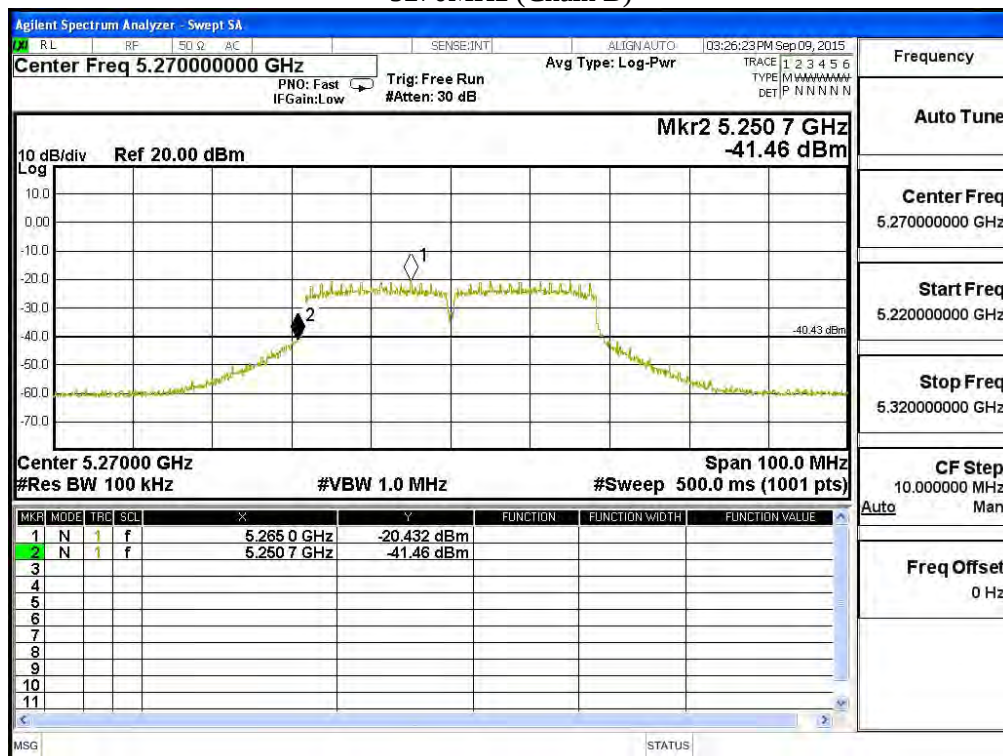
Product : 802.11 ac PCIe Module
Test Item : Band Edge Data
Test Site : No.3 OATS
Test Mode : Mode 21: Transmit (802.11n-40BW 30Mbps)(Panel Antenna)

Test Frequency (MHz)	Chain	Measurement Level (20dB BW) (MHz)	Limit (MHz)	Result
5270	A	5250.60	>5250	PASS
5270	B	5250.70	>5250	PASS

5270MHz (Chain A)



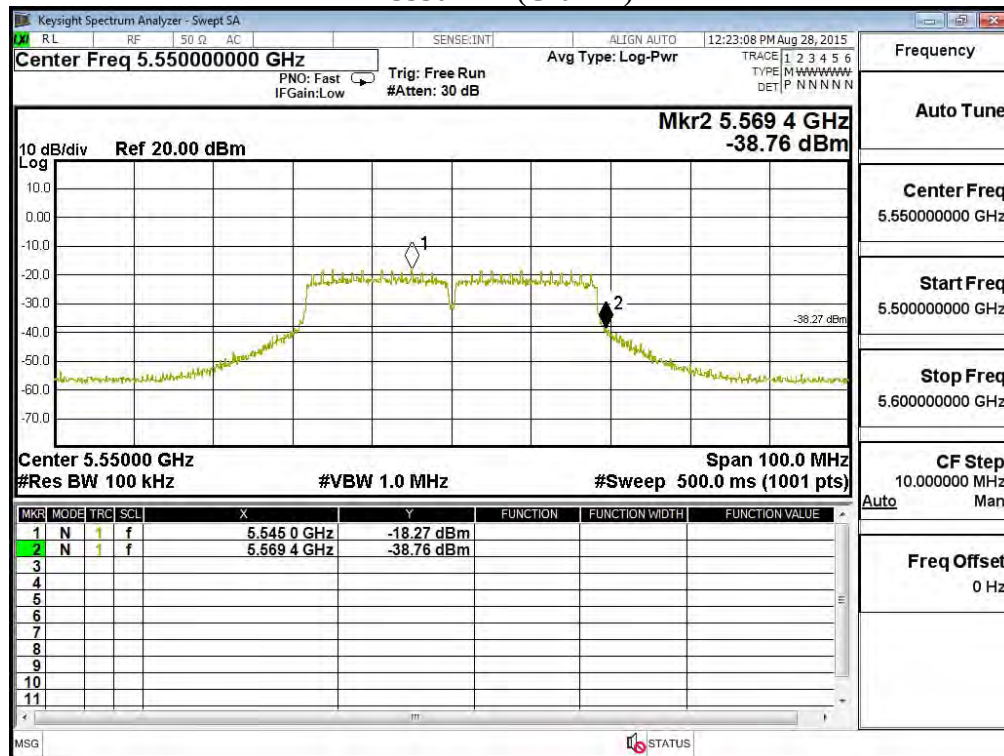
5270MHz (Chain B)



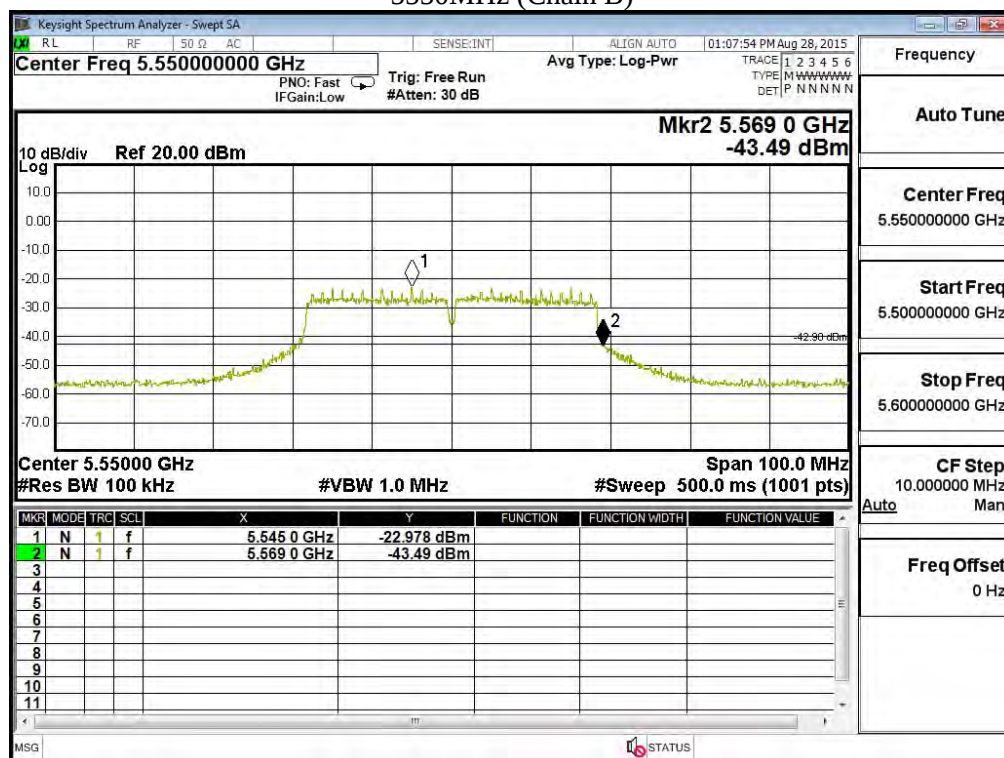
Product : 802.11 ac PCIe Module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Mode : Mode 21: Transmit (802.11n-40BW 30Mbps)(Panel Antenna)

Test Frequency (MHz)	Chain	Measurement Level (20dB BW) (MHz)	Limit (MHz)	Result
5550	A	5569.40	<5600	PASS
5670		5650.80	>5650	PASS
5550	B	5569.00	<5600	PASS
5670		5650.70	>5650	PASS

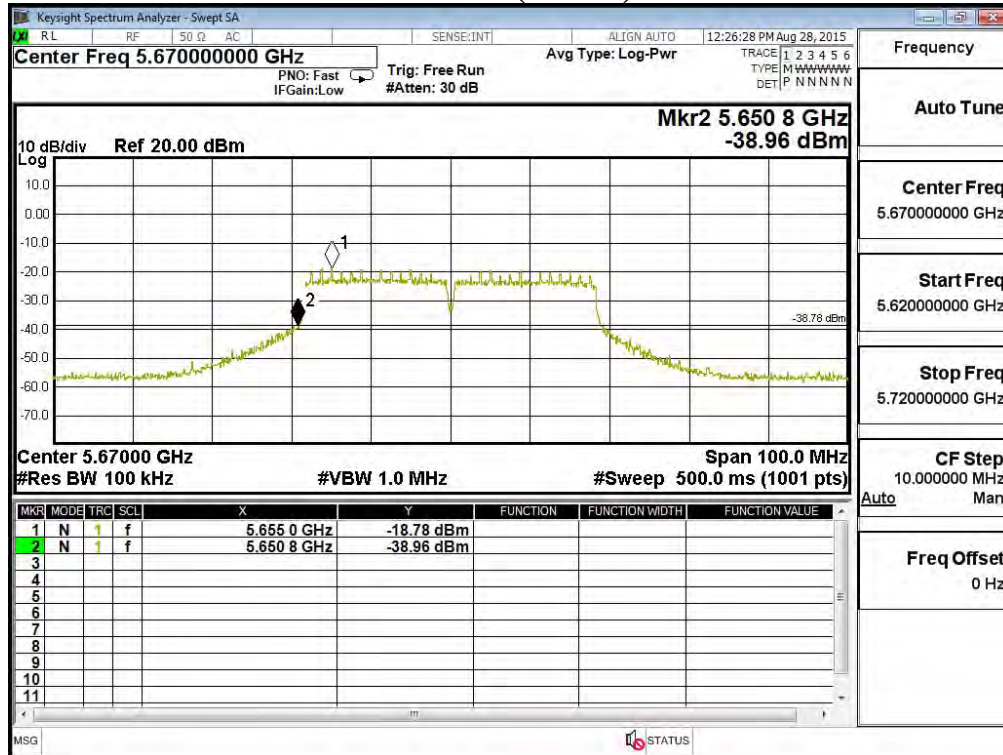
5550MHz (Chain A)



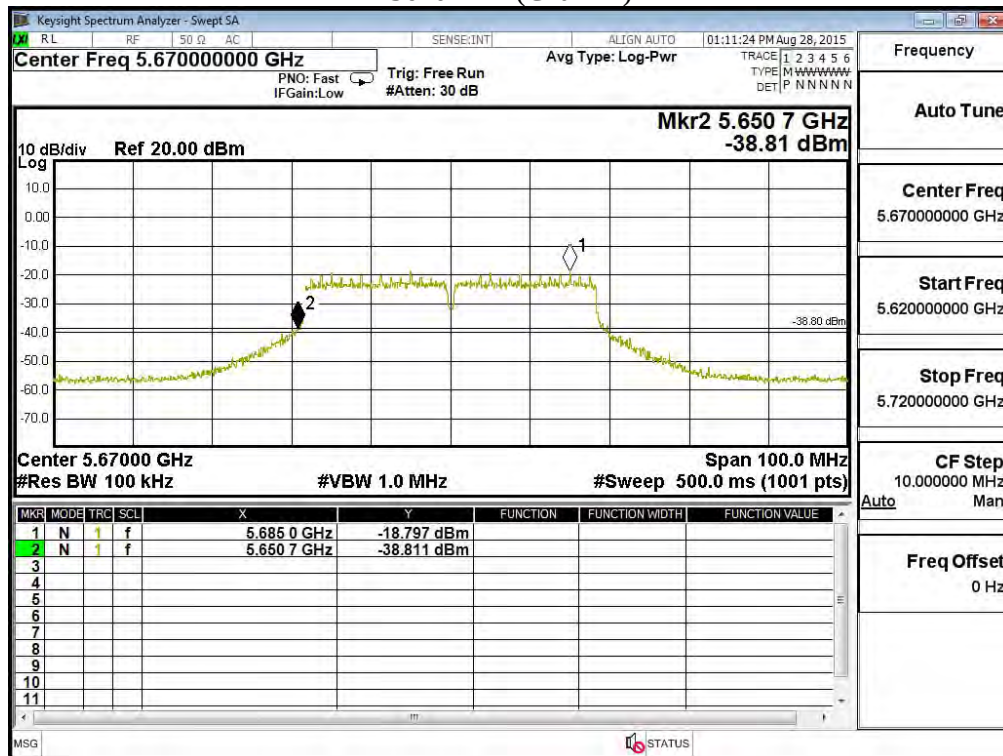
5550MHz (Chain B)



5670MHz (Chain A)



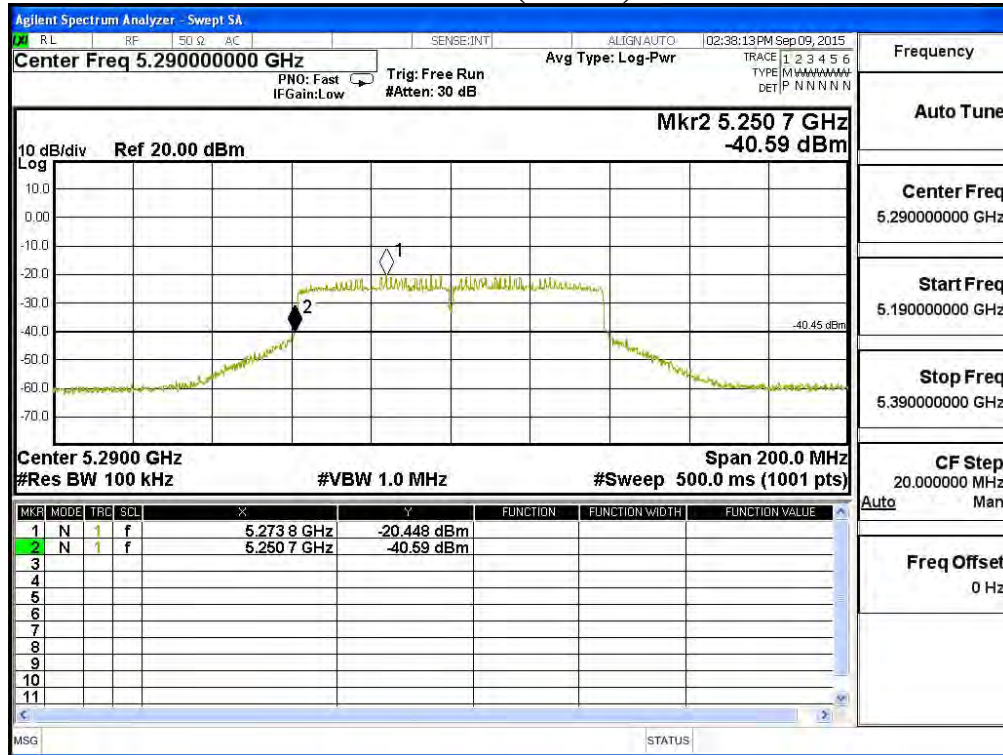
5670MHz (Chain B)



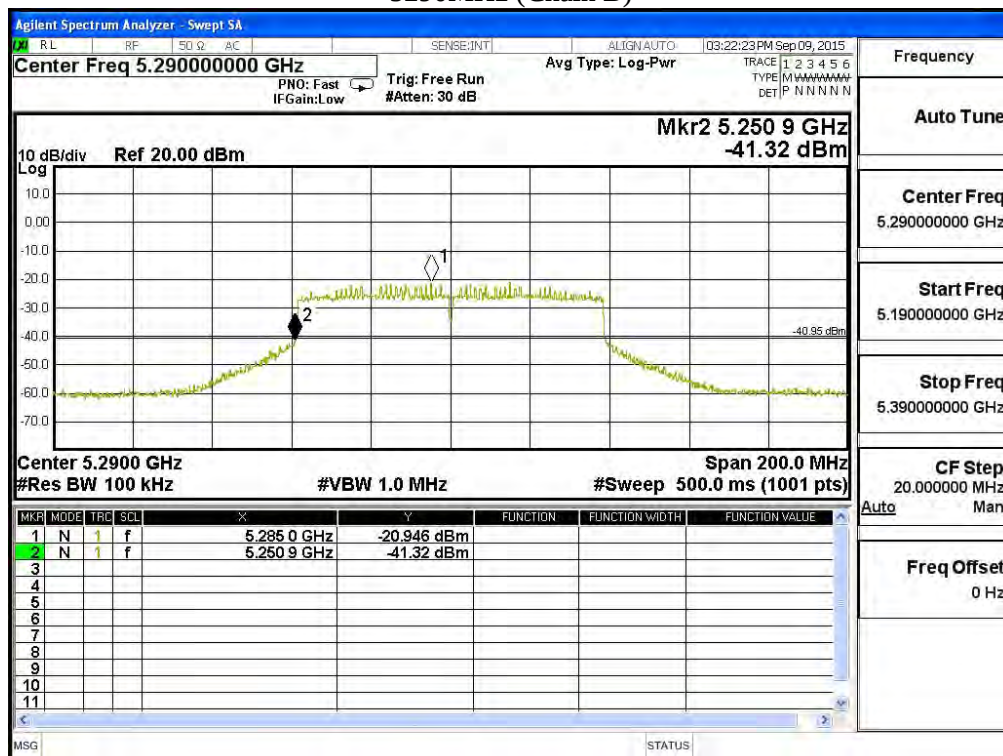
Product : 802.11 ac PCIe Module
Test Item : Band Edge Data
Test Site : No.3 OATS
Test Mode : Mode 24: Transmit (802.11ac-80BW-65Mbps)(Panel Antenna)

Test Frequency (MHz)	Chain	Measurement Level (20dB BW) (MHz)	Limit (MHz)	Result
5290	A	5250.70	>5250	PASS
5290	B	5250.90	>5250	PASS

5290MHz (Chain A)



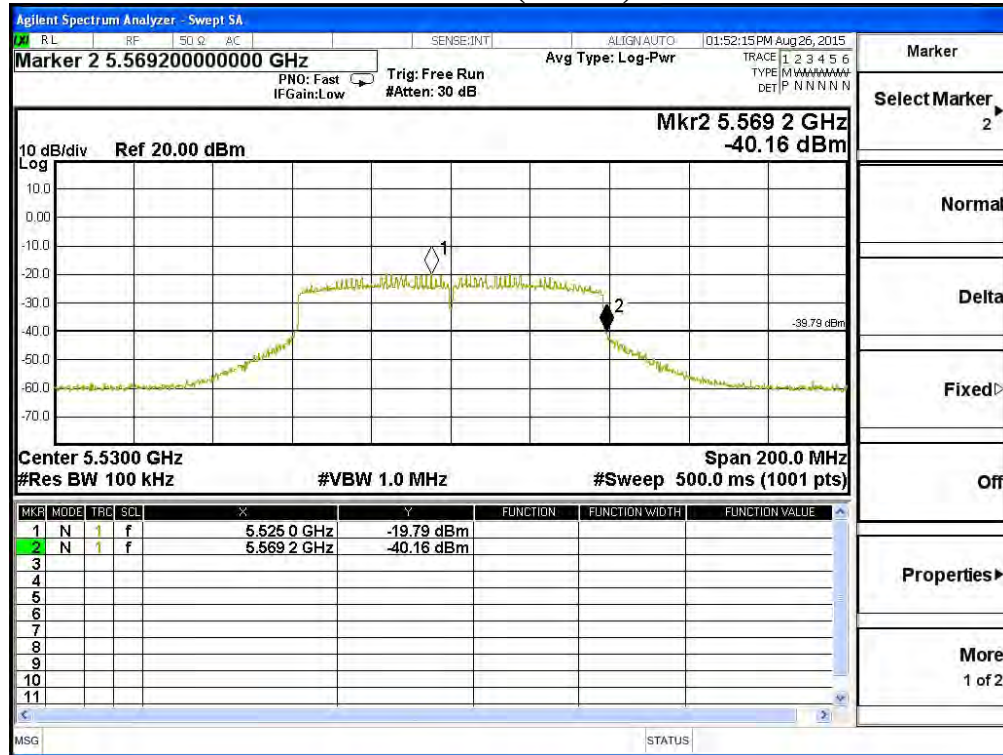
5290MHz (Chain B)



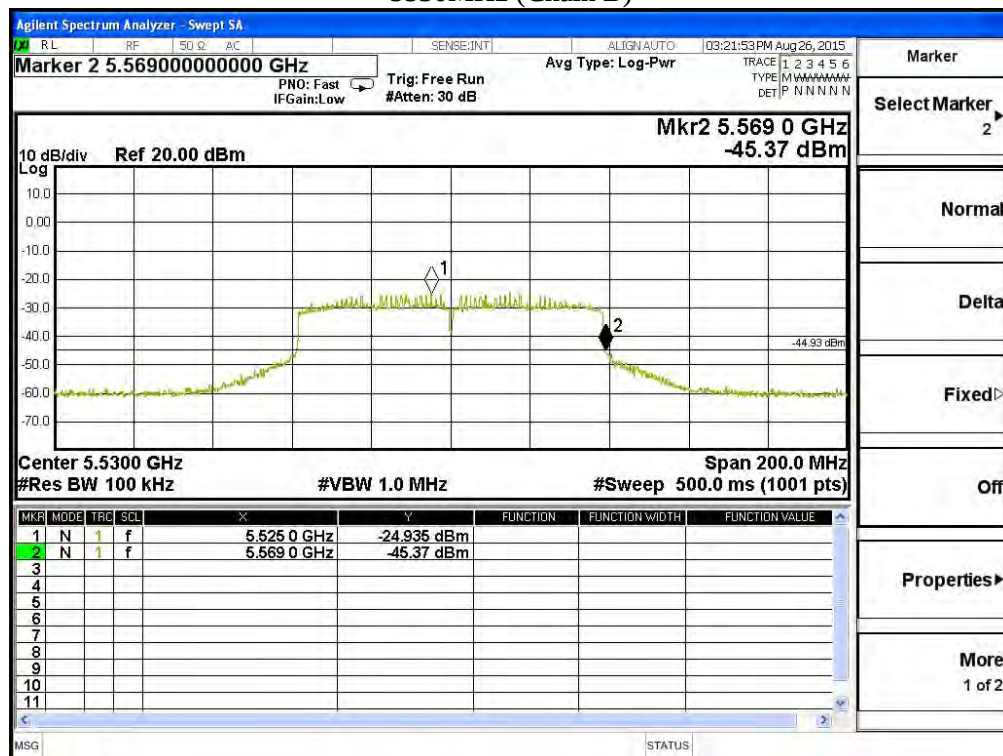
Product : 802.11 ac PCIe Module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Mode : Mode 24: Transmit (802.11ac-80BW-65Mbps)(Panel Antenna)

Test Frequency (MHz)	Chain	Measurement Level (20dB BW) (MHz)	Limit (MHz)	Result
5530	A	5569.20	<5600	PASS
5690		5650.40	>5650	PASS
5530	B	5569.00	<5600	PASS
5690		5651.00	>5650	PASS

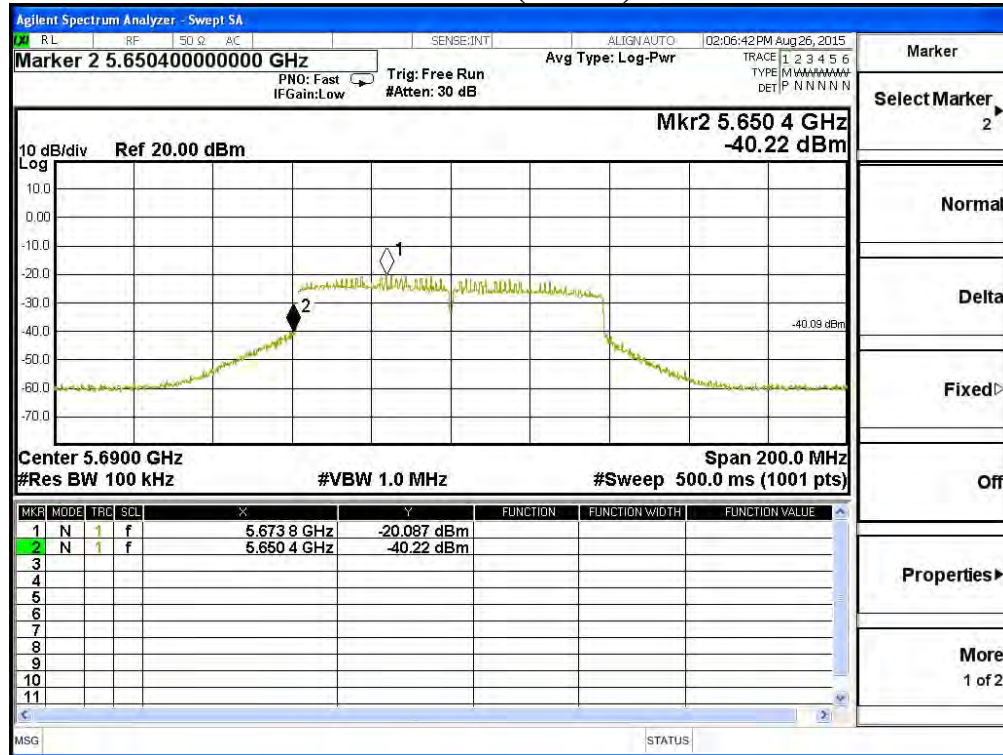
5530MHz (Chain A)



5530MHz (Chain B)



5690MHz (Chain A)



5690MHz (Chain B)



Product : 802.11 ac PCIe Module
Test Item : Band Edge Data
Test Site : No.3 OATS
Test Mode : Mode 25: Transmit (802.11a-6Mbps)(Sector Antenna) -Channel 64 (5320MHz)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
64 (Peak)	5316.377	35.641	80.805	116.447	--	--	--
64 (Peak)	5350.000	35.571	31.398	66.969	83.540	63.540	Pass
64 (Peak)	5350.870	35.570	35.200	70.769	83.540	63.540	Pass
64 (Average)	5325.942	35.622	67.983	103.605	--	--	--
64 (Average)	5350.000	35.571	18.078	53.649	83.540	63.540	Pass
64 (Average)	5351.594	35.568	18.197	53.765	83.540	63.540	Pass

Figure Channel 64: Horizontal (Peak)

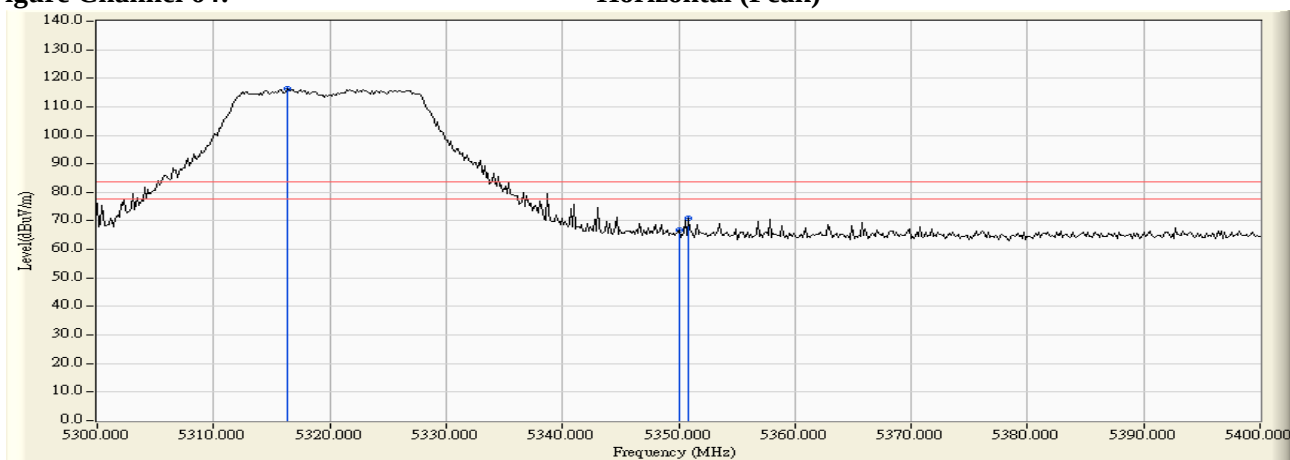
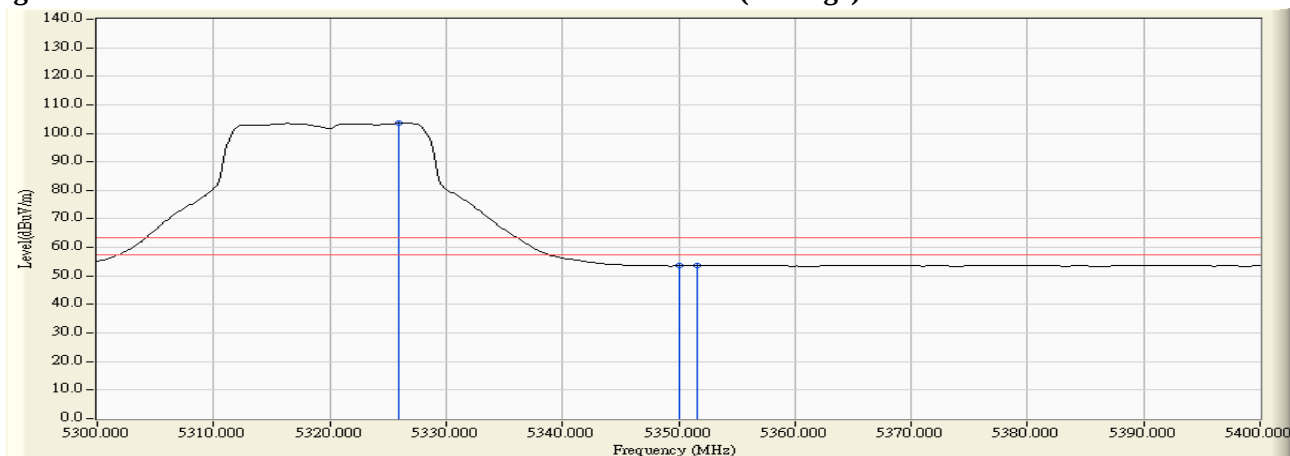


Figure Channel 64: Horizontal (Average)



Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. The antenna distance is 1m, average limit is 54dBuV + 9.54dB = 63.54dBuV, peak limit is 74dBuV + 9.54dB = 83.54dBuV.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection

Product : 802.11 ac PCIe Module
Test Item : Band Edge Data
Test Site : No.3 OATS
Test Mode : Mode 25: Transmit (802.11a-6Mbps)(Sector Antenna) -Channel 64 (5320MHz)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
64 (Peak)	5316.377	37.551	82.802	120.354	--	--	--
64 (Peak)	5350.000	37.546	37.467	75.013	83.540	63.540	Pass
64 (Peak)	5353.478	37.545	38.179	75.725	83.540	63.540	Pass
64 (Average)	5327.102	37.550	69.193	106.743	--	--	--
64 (Average)	5350.000	37.546	18.222	55.768	83.540	63.540	Pass
64 (Average)	5350.725	37.547	18.376	55.922	83.540	63.540	Pass

Figure Channel 64: Vertical (Peak)

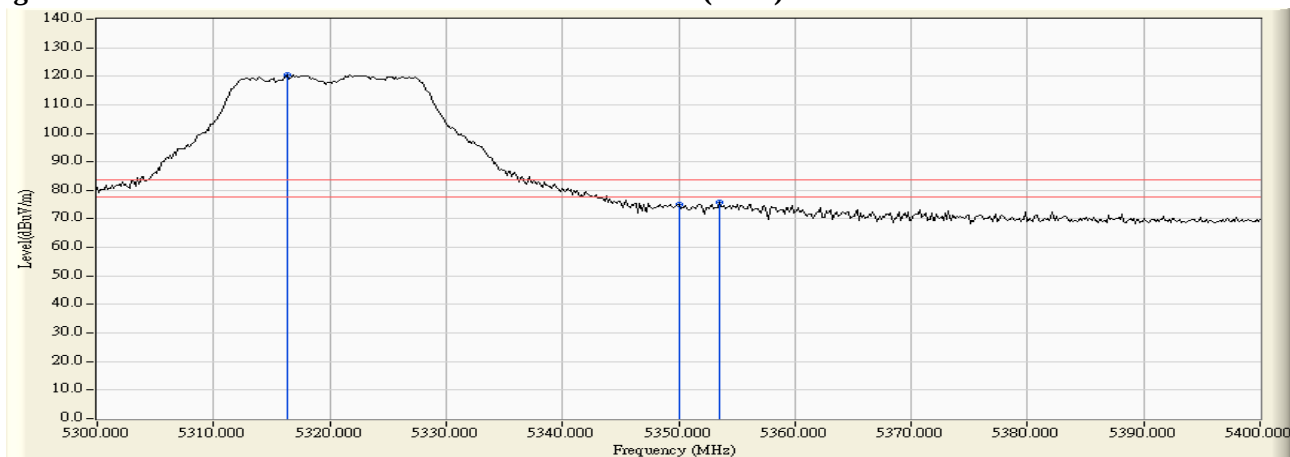
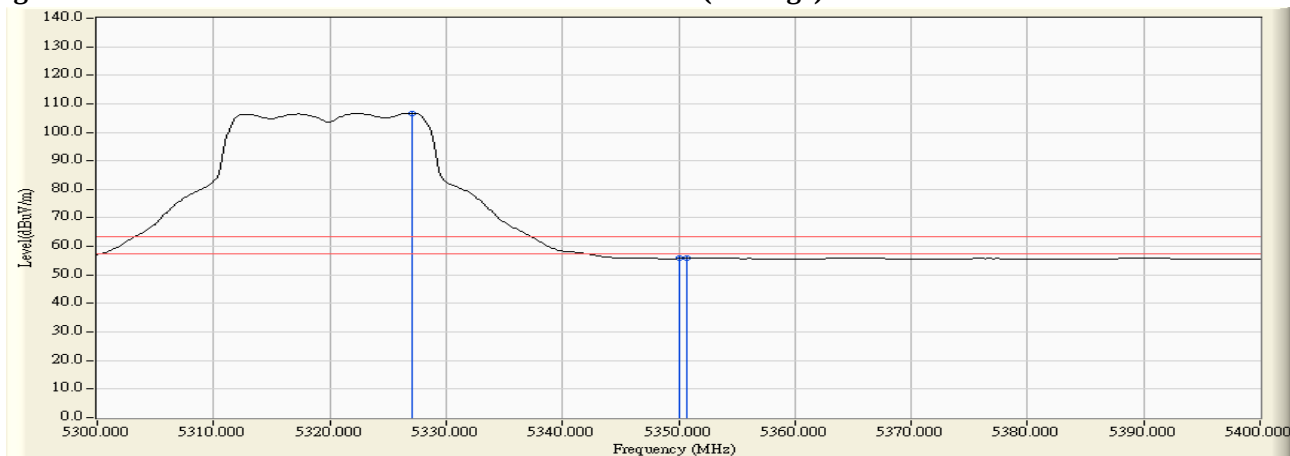


Figure Channel 64: Vertical (Average)



- Note:1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. The antenna distance is 1m, average limit is 54dBuV + 9.54dB = 63.54dBuV, peak limit is 74dBuV + 9.54dB = 83.54dBuV.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection

Product : 802.11 ac PCIe Module
Test Item : Band Edge Data
Test Site : No.3 OATS
Test Mode : Mode 25: Transmit (802.11a-6Mbps)(Sector Antenna) -Channel 100 (5500MHz)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
100 (Peak)	5459.420	36.233	35.161	71.394	83.540	63.540	Pass
100 (Peak)	5460.000	36.240	32.398	68.638	83.540	63.540	Pass
100 (Peak)	5502.609	36.701	79.219	115.920	--	--	--
100 (Average)	5456.522	36.195	18.366	54.561	83.540	63.540	Pass
100 (Average)	5460.000	36.240	18.108	54.348	83.540	63.540	Pass
100 (Average)	5506.667	36.703	66.234	102.937	--	--	--

Figure Channel 100: Horizontal (Peak)

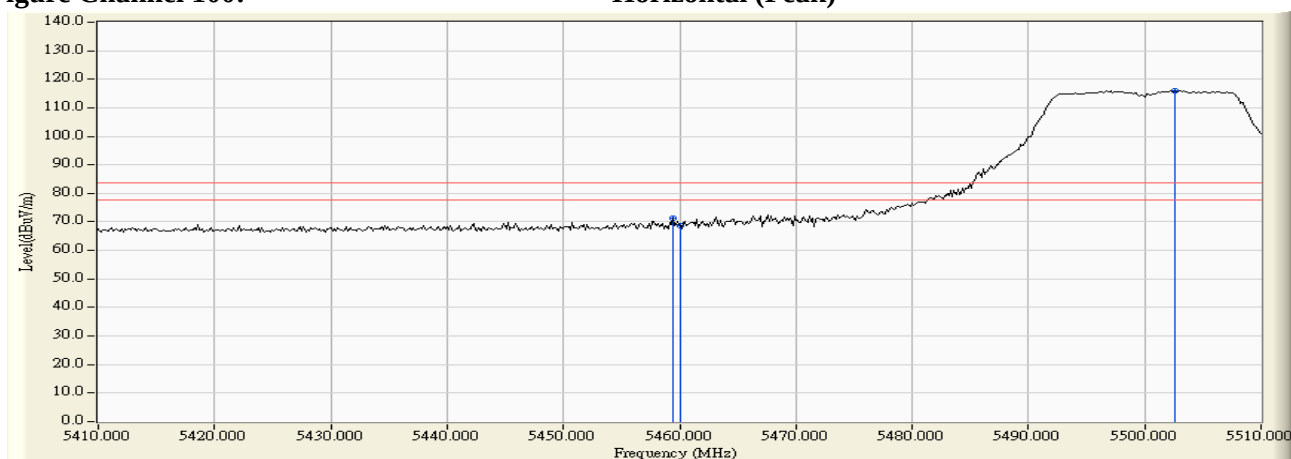
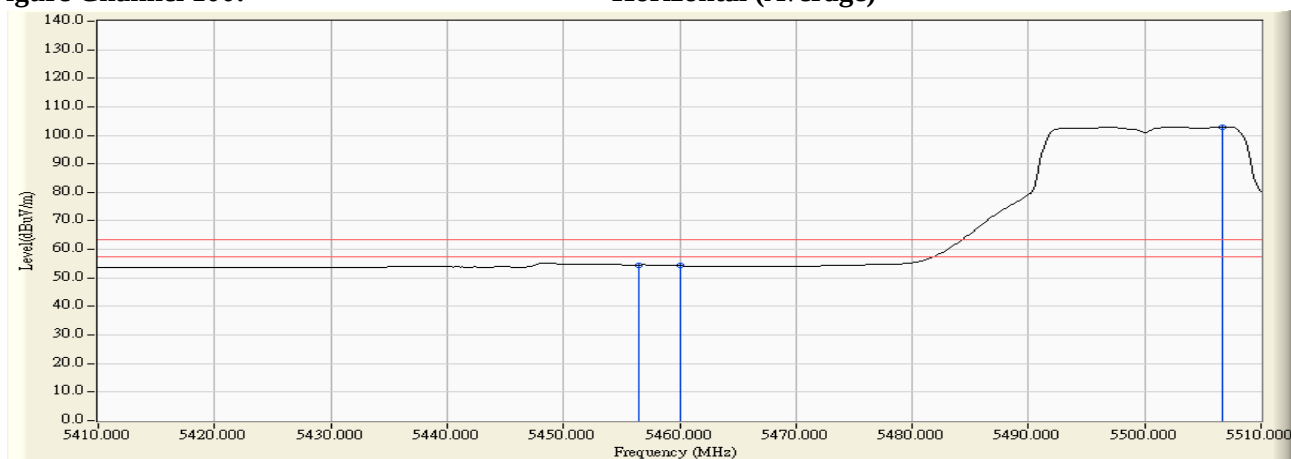


Figure Channel 100: Horizontal (Average)



Note:1. All readings above 1GHz are performed with peak and/or average measurements as necessary.

2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.

3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.

4. The antenna distance is 1m, average limit is 54dBuV + 9.54dB = 63.54dBuV, peak limit is 74dBuV + 9.54dB = 83.54dBuV.

5. Measurement Level = Reading Level + Correct Factor.

6. The average measurement was not performed when the peak measured data under the limit of average detection

Product : 802.11 ac PCIe Module
Test Item : Band Edge Data
Test Site : No.3 OATS
Test Mode : Mode 25: Transmit (802.11a-6Mbps)(Sector Antenna) -Channel 100 (5500MHz)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
100 (Peak)	5458.116	37.915	34.492	72.407	83.540	63.540	Pass
100 (Peak)	5460.000	37.927	31.548	69.475	83.540	63.540	Pass
100 (Peak)	5498.116	38.140	80.186	118.326	--	--	--
100 (Average)	5448.406	37.851	18.933	56.785	83.540	63.540	Pass
100 (Average)	5460.000	37.927	18.084	56.011	83.540	63.540	Pass
100 (Average)	5493.623	38.128	66.506	104.634	--	--	--

Figure Channel 100:

Vertical (Peak)

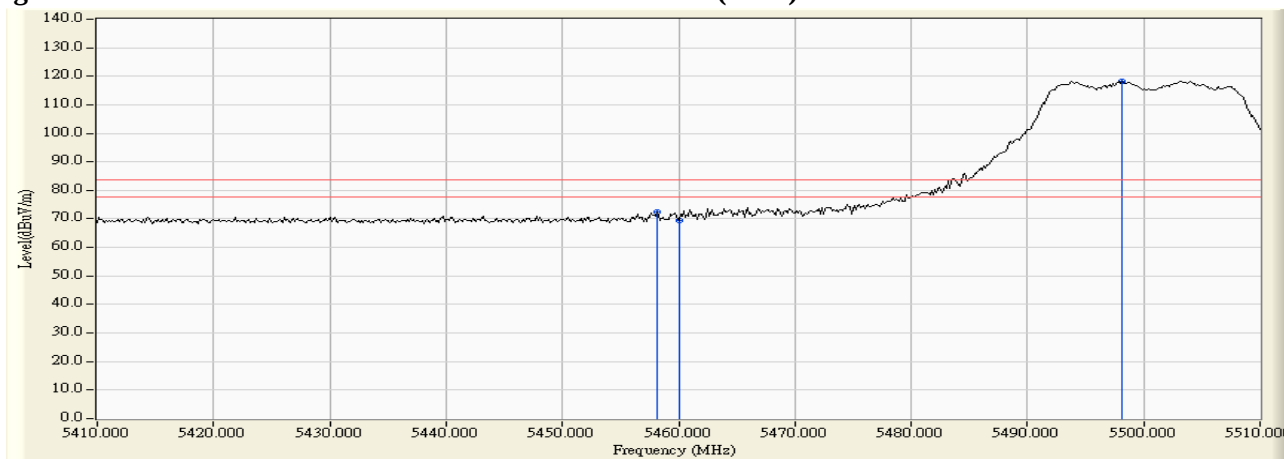
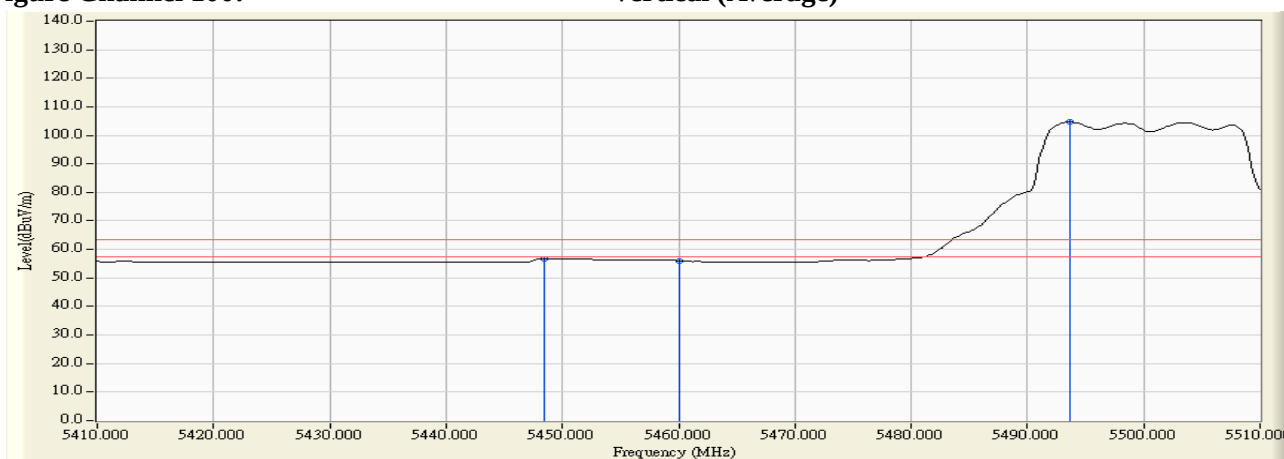


Figure Channel 100:

Vertical (Average)



Note:1. All readings above 1GHz are performed with peak and/or average measurements as necessary.

2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.

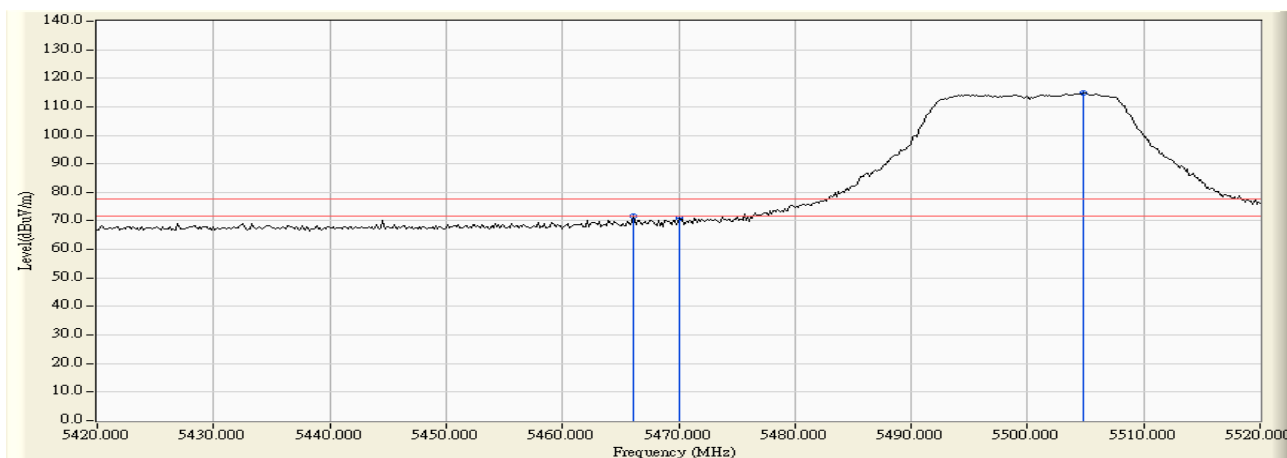
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.

4. The antenna distance is 1m, average limit is 54dBuV + 9.54dB = 63.54dBuV, peak limit is 74dBuV + 9.54dB = 83.54dBuV.

5. Measurement Level = Reading Level + Correct Factor.

6. The average measurement was not performed when the peak measured data under the limit of average detection

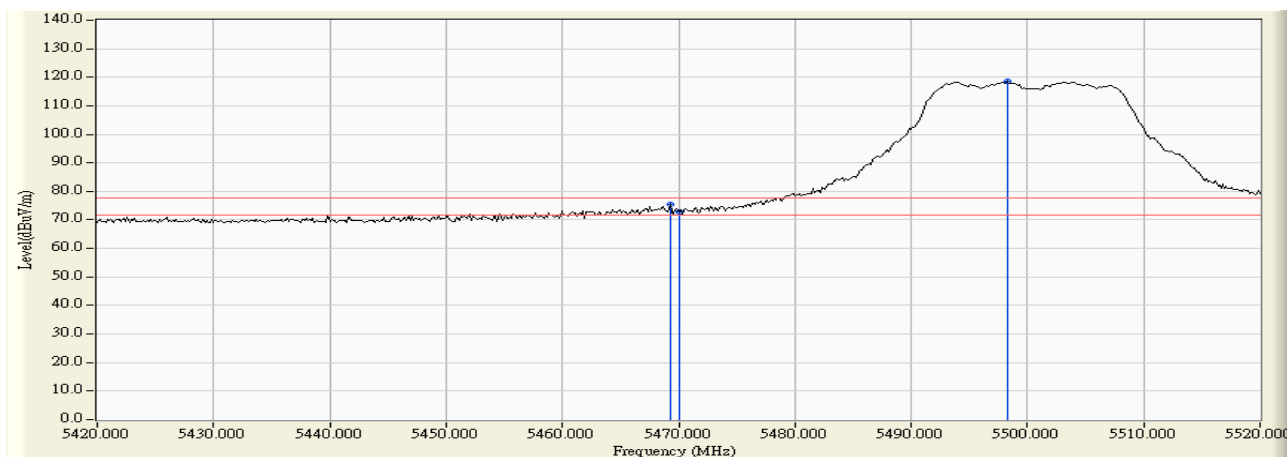
Product : 802.11 ac PCIe Module
Test Item : Band Edge Data
Test Site : No.3 OATS
Test Mode : Mode 25: Transmit (802.11a-6Mbps)(Sector Antenna) -Channel 100



RF Radiated Measurement:

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Horizontal	5466.087	36.320	35.214	71.533	-6.227	77.760	Pass
Horizontal	5470.000	36.370	34.716	71.086	-6.674	77.760	Pass
Horizontal	5504.783	36.716	78.064	114.780	--	--	--

Note:1. The antenna distance is 1m, $E[\text{dB}\mu\text{V}/\text{m}] = \text{EIRP}[\text{dBm}] - 20 \log(d[\text{meters}]) + 104.77 = -27\text{dBm} + 104.76 = 77.76\text{dB}\mu\text{V}/\text{m}$.

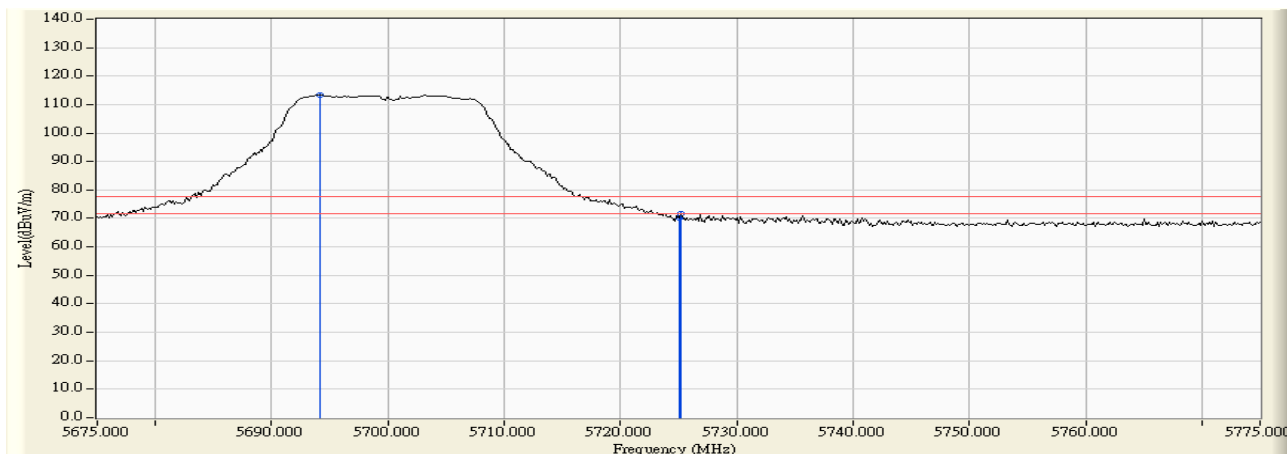


RF Radiated Measurement:

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Vertical	5469.275	37.989	37.636	75.625	-2.135	77.760	Pass
Vertical	5470.000	37.994	34.785	72.778	-4.982	77.760	Pass
Vertical	5498.261	38.140	80.375	118.515	--	--	--

Note:1. The antenna distance is 1m, $E[\text{dB}\mu\text{V}/\text{m}] = \text{EIRP}[\text{dBm}] - 20 \log(d[\text{meters}]) + 104.77 = -27\text{dBm} + 104.76 = 77.76\text{dB}\mu\text{V}/\text{m}$.

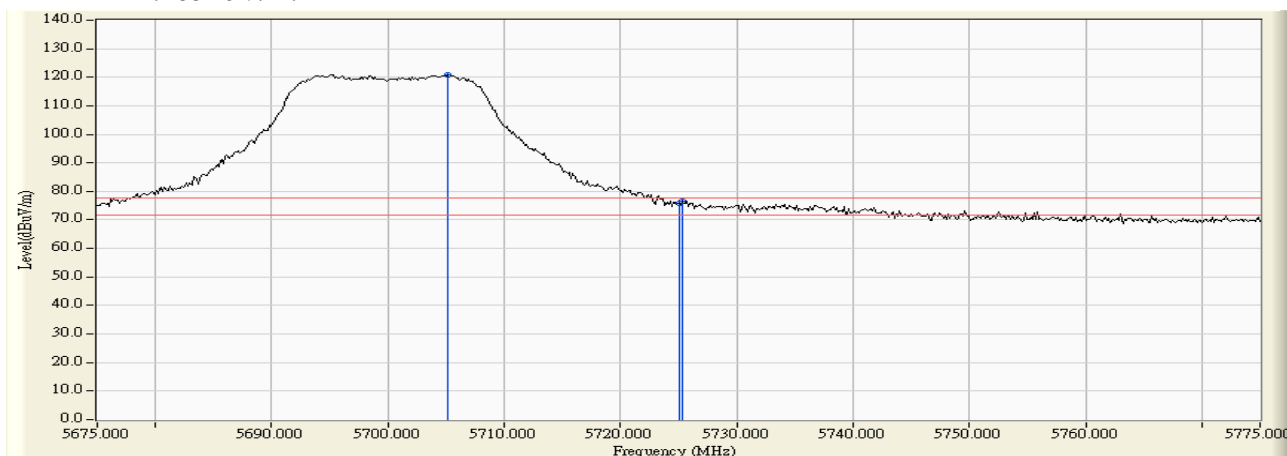
Product : 802.11 ac PCIe Module
Test Item : Band Edge Data
Test Site : No.3 OATS
Test Mode : Mode 25: Transmit (802.11a-6Mbps)(Sector Antenna) -Channel 140



RF Radiated Measurement:

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Horizontal	5694.130	36.371	76.952	113.323	--	--	--
Horizontal	5725.000	36.391	33.776	70.167	-7.593	77.760	Pass
Horizontal	5725.145	36.390	35.195	71.586	-6.174	77.760	Pass

Note:1. The antenna distance is 1m, $E[\text{dB}\mu\text{V}/\text{m}] = \text{EIRP}[\text{dBm}] - 20 \log(d[\text{meters}]) + 104.77 = -27\text{dBm} + 104.76 = 77.76\text{dB}\mu\text{V}/\text{m}$.



RF Radiated Measurement:

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Vertical	5705.145	37.740	83.172	120.913	--	--	--
Vertical	5725.000	37.729	38.204	75.933	-1.827	77.760	Pass
Vertical	5725.290	37.729	38.724	76.453	-1.307	77.760	Pass

Note:1. The antenna distance is 1m, $E[\text{dB}\mu\text{V}/\text{m}] = \text{EIRP}[\text{dBm}] - 20 \log(d[\text{meters}]) + 104.77 = -27\text{dBm} + 104.76 = 77.76\text{dB}\mu\text{V}/\text{m}$.

Product : 802.11 ac PCIe Module
Test Item : Band Edge Data
Test Site : No.3 OATS
Test Mode : Mode 26: Transmit (802.11n-20BW 14.4Mbps)(Sector Antenna) -Channel 64 (5320MHz)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
64 (Peak)	5314.058	35.647	80.866	116.513	--	--	--
64 (Peak)	5350.000	35.571	35.709	71.280	83.540	63.540	Pass
64 (Peak)	5353.043	35.565	37.439	73.004	83.540	63.540	Pass
64 (Average)	5314.928	35.645	67.558	103.203	--	--	--
64 (Average)	5350.000	35.571	18.086	53.657	83.540	63.540	Pass
64 (Average)	5350.580	35.570	18.233	53.803	83.540	63.540	Pass

Figure Channel 64: Horizontal (Peak)

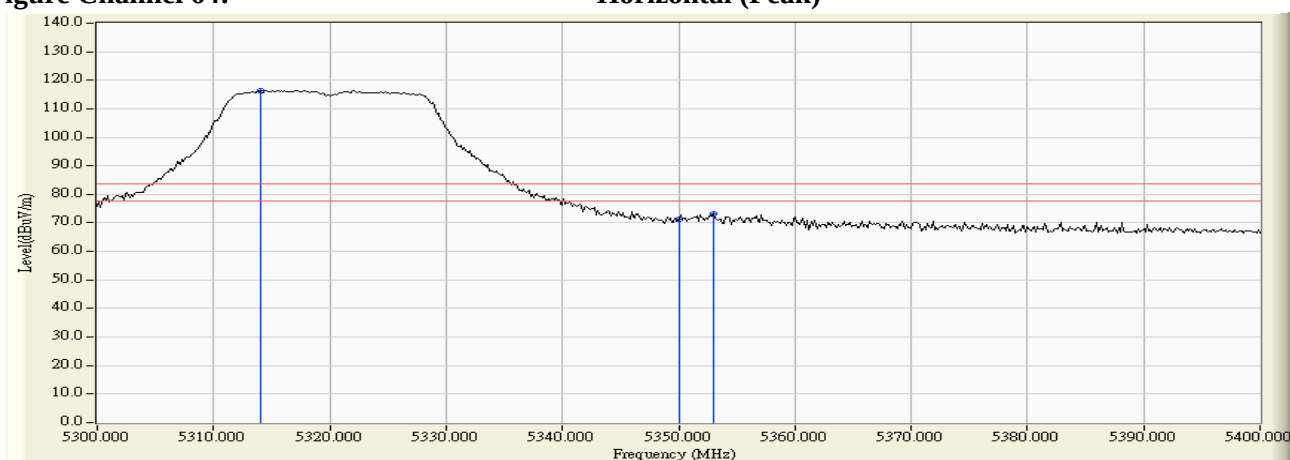
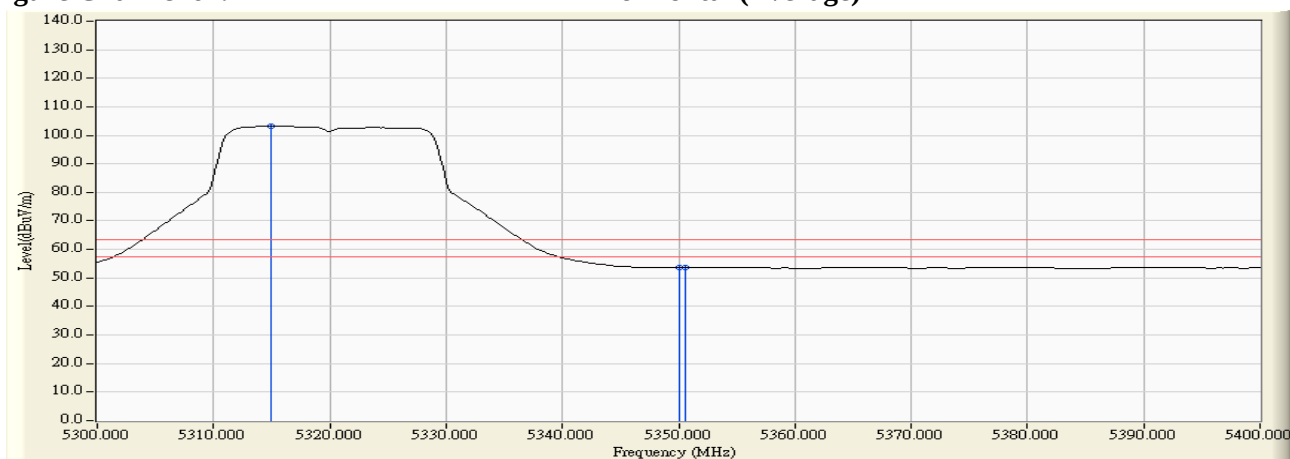


Figure Channel 64: Horizontal (Average)



Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. The antenna distance is 1m, average limit is $54\text{dB}\mu\text{V} + 9.54\text{dB} = 63.54\text{dB}\mu\text{V}$, peak limit is $74\text{dB}\mu\text{V} + 9.54\text{dB} = 83.54\text{dB}\mu\text{V}$.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection

Product : 802.11 ac PCIe Module
Test Item : Band Edge Data
Test Site : No.3 OATS
Test Mode : Mode 26: Transmit (802.11n-20BW 14.4Mbps)(Sector Antenna) -Channel 64 (5320MHz)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
64 (Peak)	5321.015	37.551	82.231	119.782	--	--	--
64 (Peak)	5350.000	37.546	37.391	74.937	83.540	63.540	Pass
64 (Peak)	5351.304	37.546	38.689	76.235	83.540	63.540	Pass
64 (Average)	5318.406	37.551	68.577	106.128	--	--	--
64 (Average)	5350.000	37.546	18.219	55.765	83.540	63.540	Pass
64 (Average)	5350.725	37.547	18.370	55.916	83.540	63.540	Pass

Figure Channel 64: Vertical (Peak)

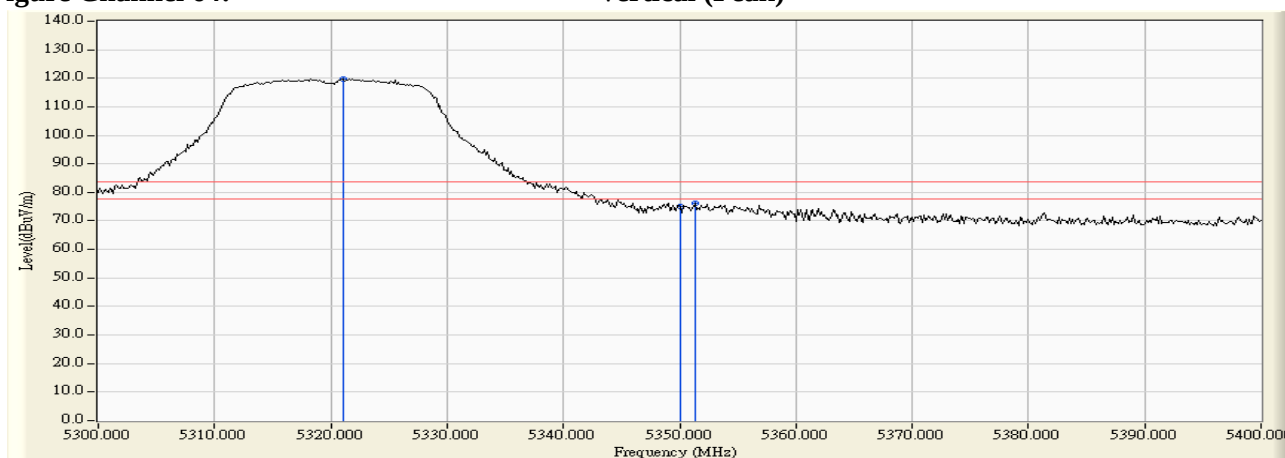
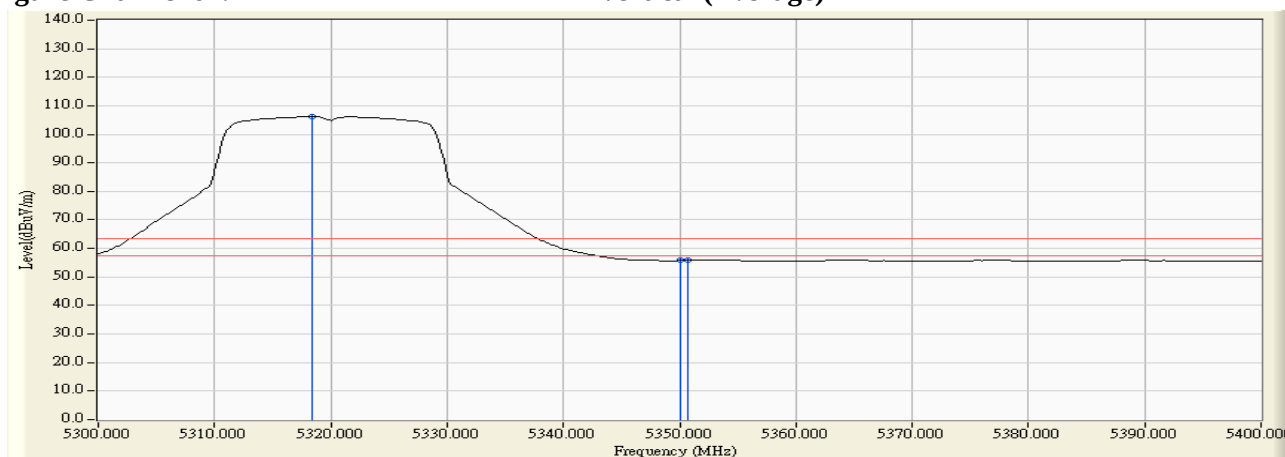


Figure Channel 64: Vertical (Average)



Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. The antenna distance is 1m, average limit is 54dBuV + 9.54dB = 63.54dBuV, peak limit is 74dBuV + 9.54dB = 83.54dBuV.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection

Product : 802.11 ac PCIe Module
Test Item : Band Edge Data
Test Site : No.3 OATS
Test Mode : Mode 26: Transmit (802.11n-20BW 14.4Mbps)(Sector Antenna) -Channel 100 (5500MHz)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
100 (Peak)	5458.551	36.222	34.281	70.503	83.540	63.540	Pass
100 (Peak)	5460.000	36.240	31.461	67.701	83.540	63.540	Pass
100 (Peak)	5501.884	36.696	79.222	115.919	--	--	--
100 (Average)	5448.406	36.091	18.987	55.078	83.540	63.540	Pass
100 (Average)	5460.000	36.240	18.143	54.383	83.540	63.540	Pass
100 (Average)	5496.377	36.660	65.870	102.530	--	--	--

Figure Channel 100: Horizontal (Peak)

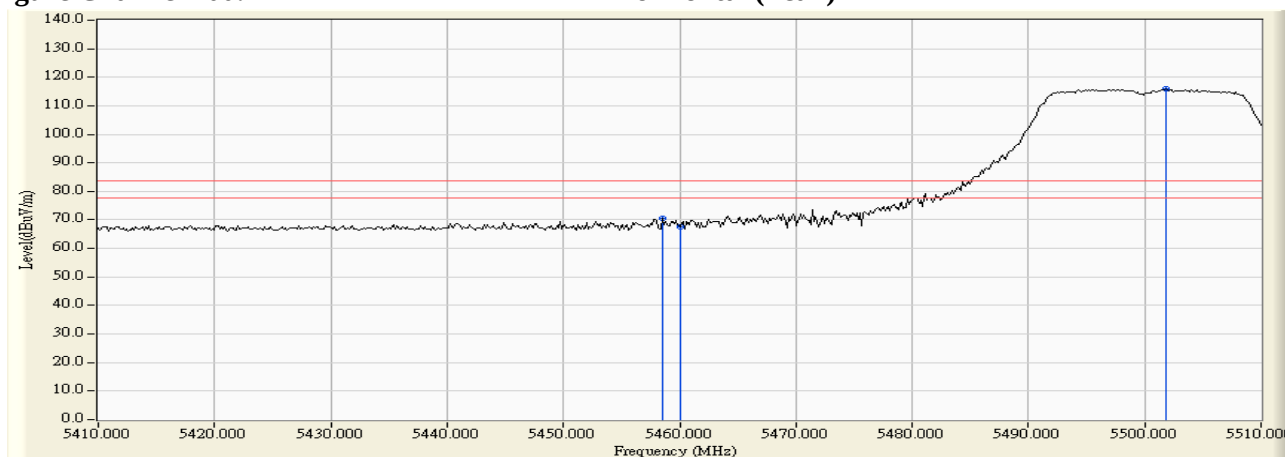
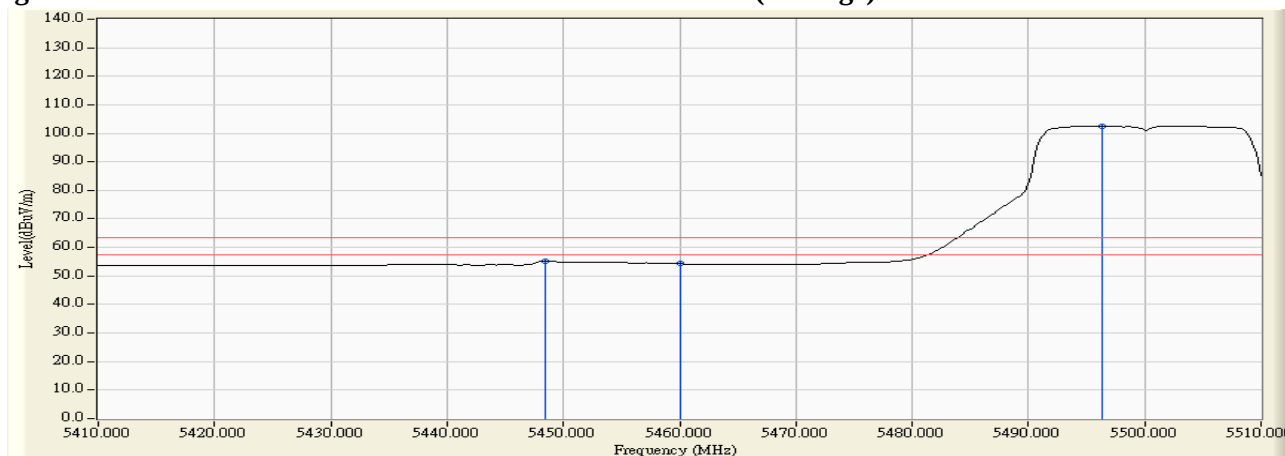


Figure Channel 100: Horizontal (Average)



- Note:1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. The antenna distance is 1m, average limit is 54dBuV + 9.54dB = 63.54dBuV, peak limit is 74dBuV + 9.54dB = 83.54dBuV.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection

Product : 802.11 ac PCIe Module
Test Item : Band Edge Data
Test Site : No.3 OATS
Test Mode : Mode 26: Transmit (802.11n-20BW 14.4Mbps)(Sector Antenna) -Channel 100 (5500MHz)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
100 (Peak)	5457.102	37.908	34.826	72.734	83.540	63.540	Pass
100 (Peak)	5460.000	37.927	34.289	72.216	83.540	63.540	Pass
100 (Peak)	5494.058	38.129	79.686	117.815	--	--	--
100 (Average)	5448.116	37.850	18.926	56.776	83.540	63.540	Pass
100 (Average)	5460.000	37.927	18.088	56.015	83.540	63.540	Pass
100 (Average)	5494.203	38.129	66.467	104.596	--	--	--

Figure Channel 100: Vertical (Peak)

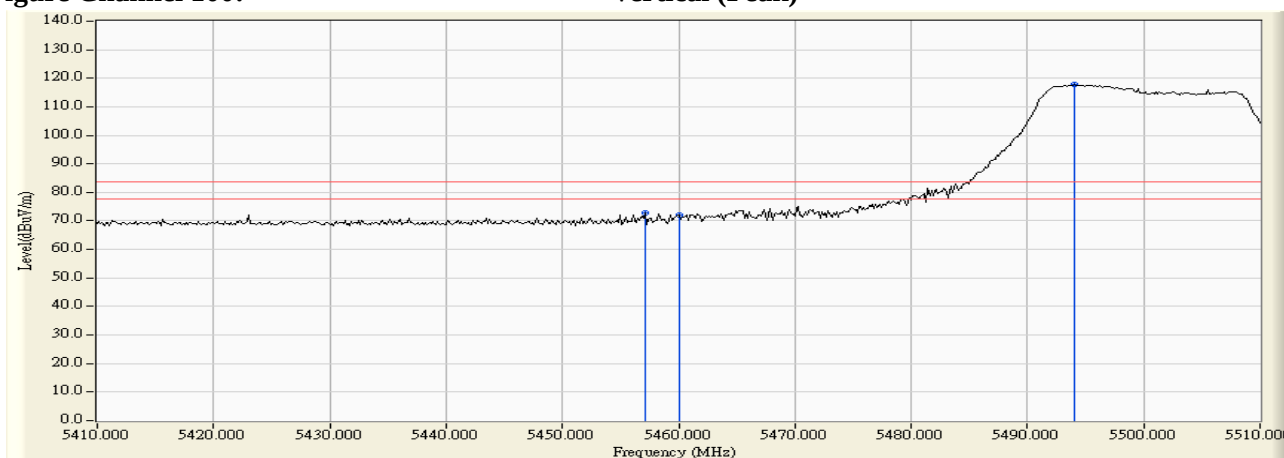
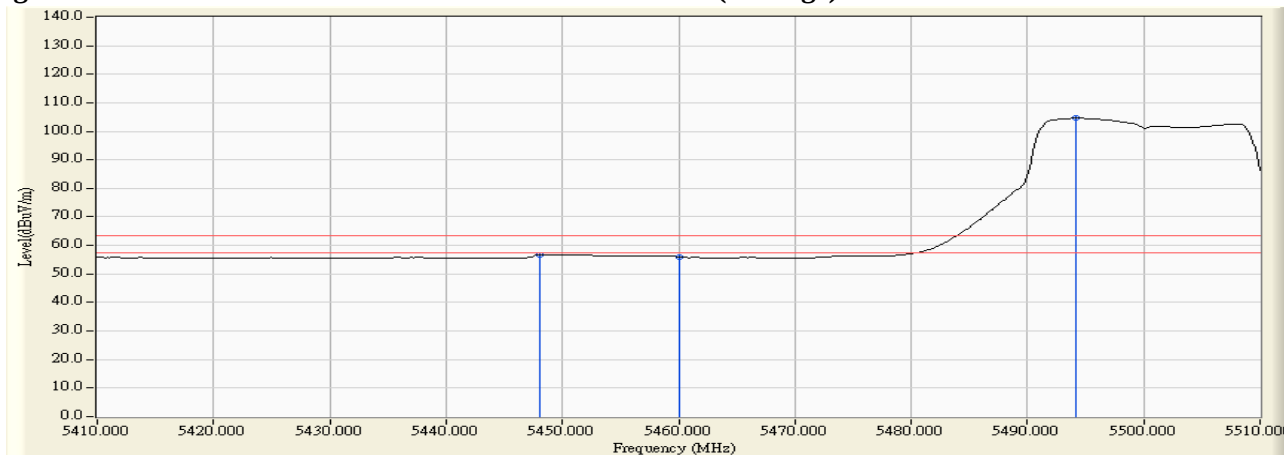


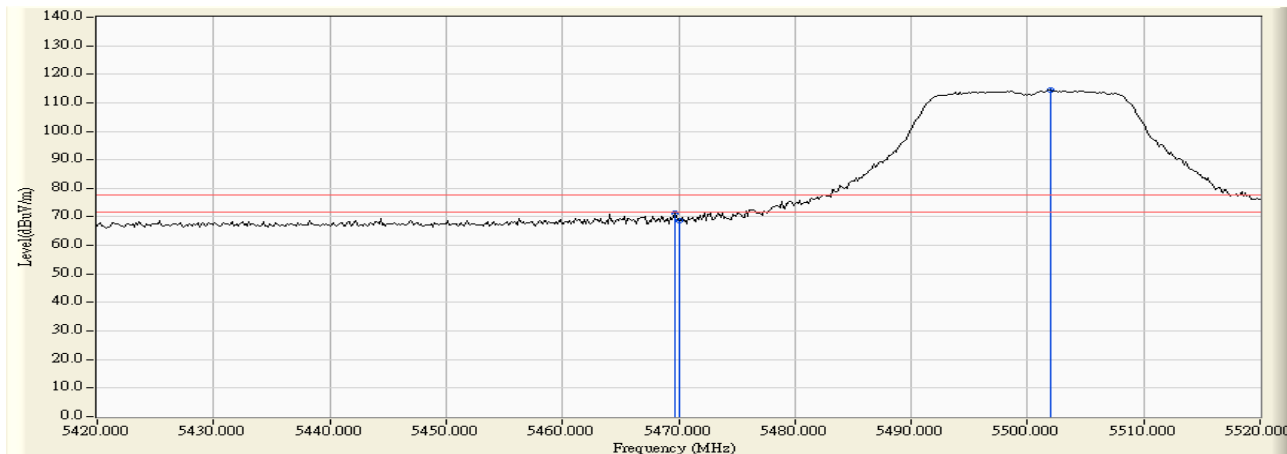
Figure Channel 100: Vertical (Average)



Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. The antenna distance is 1m, average limit is 54dBuV + 9.54dB = 63.54dBuV, peak limit is 74dBuV + 9.54dB = 83.54dBuV.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection

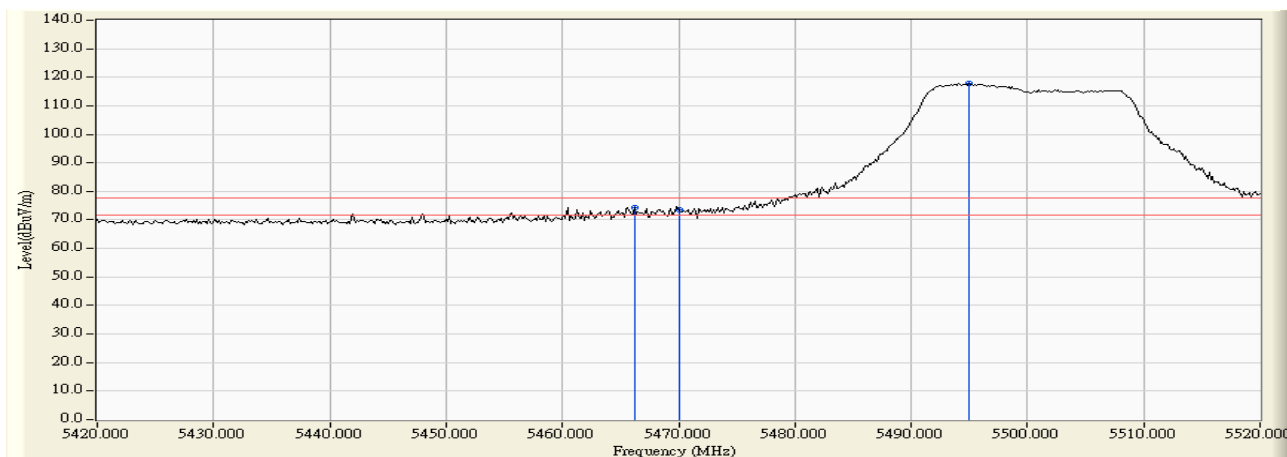
Product : 802.11 ac PCIe Module
Test Item : Band Edge Data
Test Site : No.3 OATS
Test Mode : Mode 26: Transmit (802.11n-20BW 14.4Mbps)(Sector Antenna) -Channel 100



RF Radiated Measurement:

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Horizontal	5469.710	36.366	35.087	71.453	-6.307	77.760	Pass
Horizontal	5470.000	36.370	32.413	68.783	-8.977	77.760	Pass
Horizontal	5502.029	36.698	77.727	114.425	--	--	--

Note:1. The antenna distance is 1m, $E[\text{dB}\mu\text{V}/\text{m}] = \text{EIRP}[\text{dBm}] - 20 \log(d[\text{meters}]) + 104.77 = -27\text{dBm} + 104.76 = 77.76\text{dB}\mu\text{V}/\text{m}$.

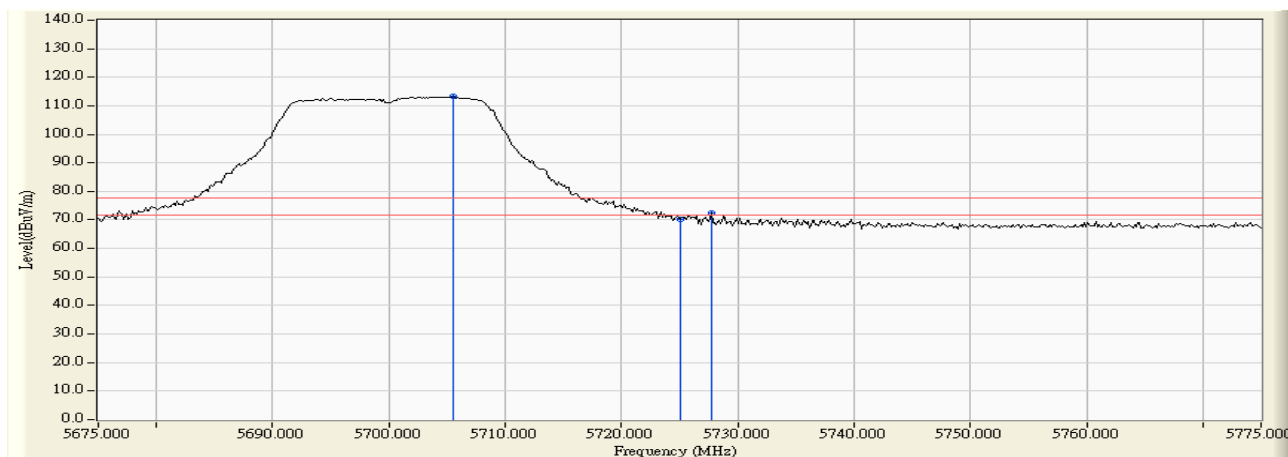


RF Radiated Measurement:

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Vertical	5466.232	37.969	36.476	74.445	-3.315	77.760	Pass
Vertical	5470.000	37.994	35.611	73.604	-4.156	77.760	Pass
Vertical	5494.928	38.131	79.596	117.727	--	--	--

Note:1. The antenna distance is 1m, $E[\text{dB}\mu\text{V}/\text{m}] = \text{EIRP}[\text{dBm}] - 20 \log(d[\text{meters}]) + 104.77 = -27\text{dBm} + 104.76 = 77.76\text{dB}\mu\text{V}/\text{m}$.

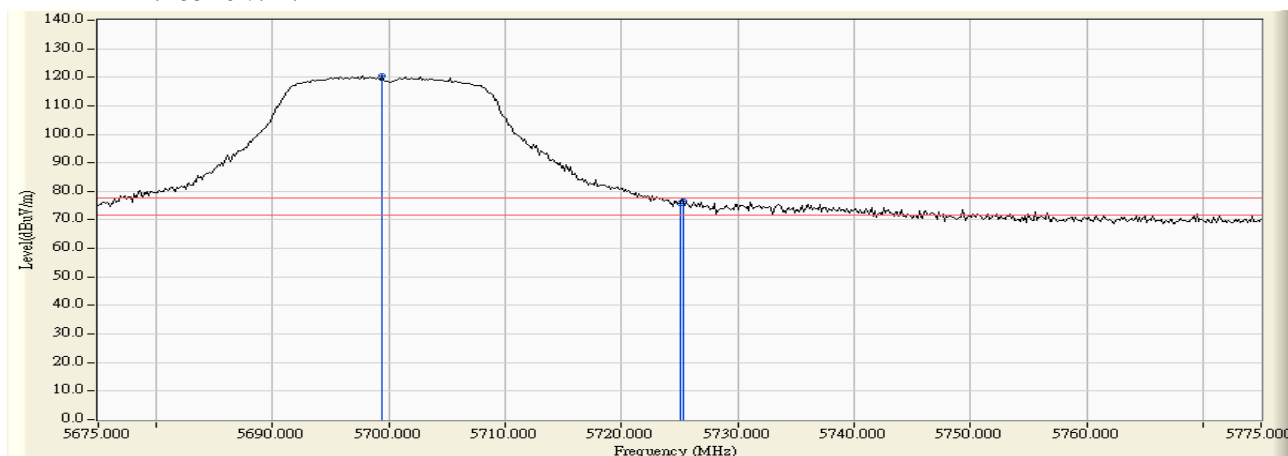
Product : 802.11 ac PCIe Module
Test Item : Band Edge Data
Test Site : No.3 OATS
Test Mode : Mode 26: Transmit (802.11n-20BW 14.4Mbps)(Sector Antenna) -Channel 140



RF Radiated Measurement:

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Horizontal	5705.580	36.393	76.927	113.320	--	--	--
Horizontal	5725.000	36.391	33.755	70.146	-7.614	77.760	Pass
Horizontal	5727.753	36.389	36.009	72.398	-5.362	77.760	Pass

Note:1. The antenna distance is 1m, $E[\text{dB}\mu\text{V}/\text{m}] = \text{EIRP}[\text{dBm}] - 20 \log(d[\text{meters}]) + 104.77 = -27\text{dBm} + 104.76 = 77.76\text{dB}\mu\text{V}/\text{m}$.



RF Radiated Measurement:

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Vertical	5699.348	37.738	82.739	120.476	--	--	--
Vertical	5725.000	37.729	38.146	75.875	-1.885	77.760	Pass
Vertical	5725.290	37.729	38.996	76.725	-1.035	77.760	Pass

Note:1. The antenna distance is 1m, $E[\text{dB}\mu\text{V}/\text{m}] = \text{EIRP}[\text{dBm}] - 20 \log(d[\text{meters}]) + 104.77 = -27\text{dBm} + 104.76 = 77.76\text{dB}\mu\text{V}/\text{m}$.

Product : 802.11 ac PCIe Module
Test Item : Band Edge Data
Test Site : No.3 OATS
Test Mode : Mode 27: Transmit (802.11n-40BW 30Mbps)(Sector Antenna) -Channel 62 (5310MHz)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
62 (Peak)	5313.768	35.648	77.555	113.203	--	--	--
62 (Peak)	5350.000	35.571	35.045	70.616	83.540	63.540	Pass
62 (Peak)	5356.087	35.558	37.563	73.121	83.540	63.540	Pass
62 (Average)	5317.536	35.640	62.778	98.418	--	--	--
62 (Average)	5350.000	35.571	20.069	55.640	83.540	63.540	Pass

Figure Channel 62: Horizontal (Peak)

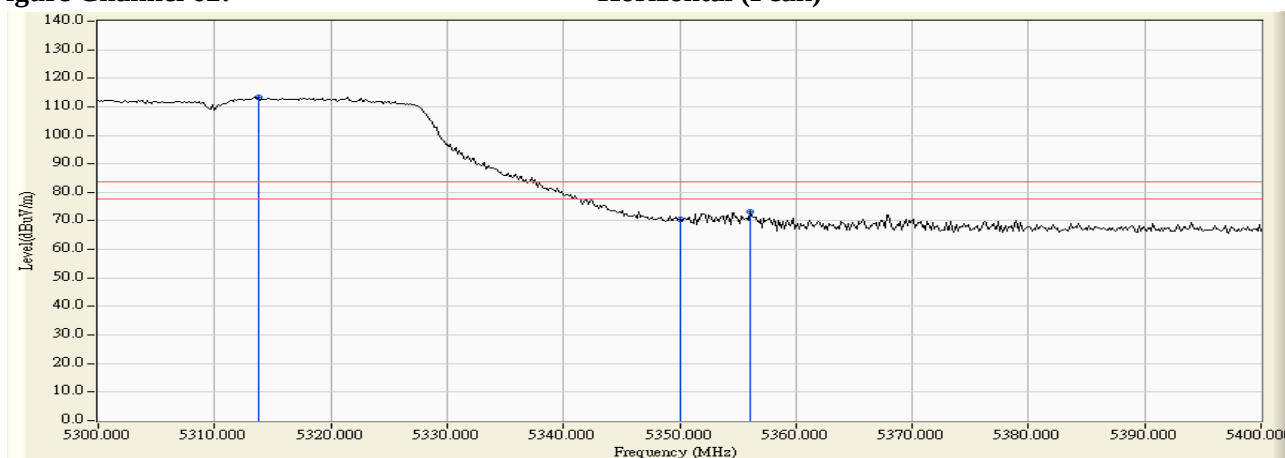
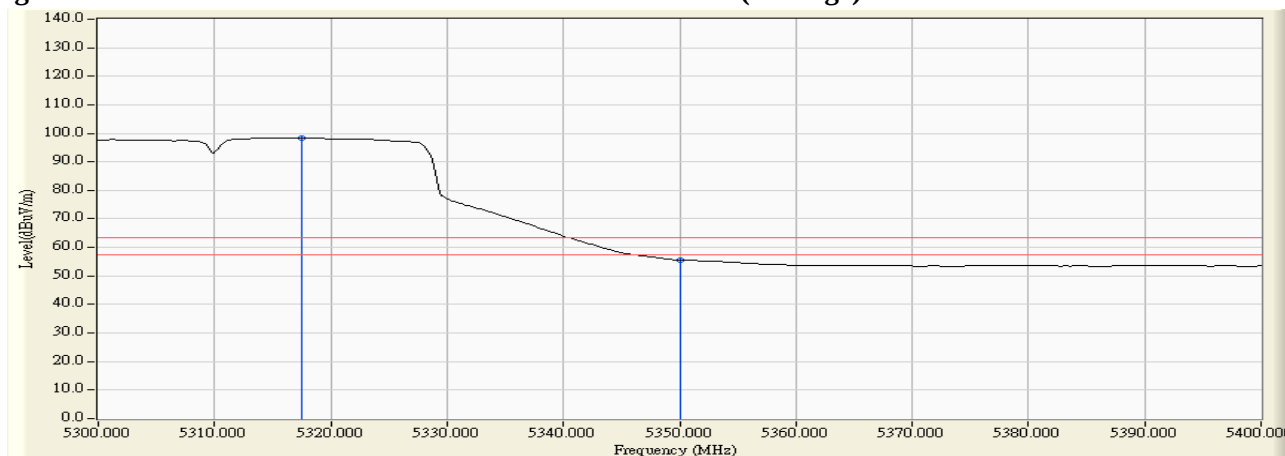


Figure Channel 62: Horizontal (Average)



Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. The antenna distance is 1m, average limit is 54dBuV + 9.54dB = 63.54dBuV, peak limit is 74dBuV + 9.54dB = 83.54dBuV.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection

Product : 802.11 ac PCIe Module
Test Item : Band Edge Data
Test Site : No.3 OATS
Test Mode : Mode 27: Transmit (802.11n-40BW 30Mbps)(Sector Antenna) -Channel 62 (5310MHz)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
62 (Peak)	5317.971	37.552	80.054	117.606	--	--	--
62 (Peak)	5350.000	37.546	34.598	72.144	83.540	63.540	Pass
62 (Peak)	5352.898	37.546	38.805	76.351	83.540	63.540	Pass
62 (Average)	5318.985	37.552	64.019	101.570	--	--	--
62 (Average)	5350.000	37.546	20.065	57.611	83.540	63.540	Pass

Figure Channel 62: Vertical (Peak)

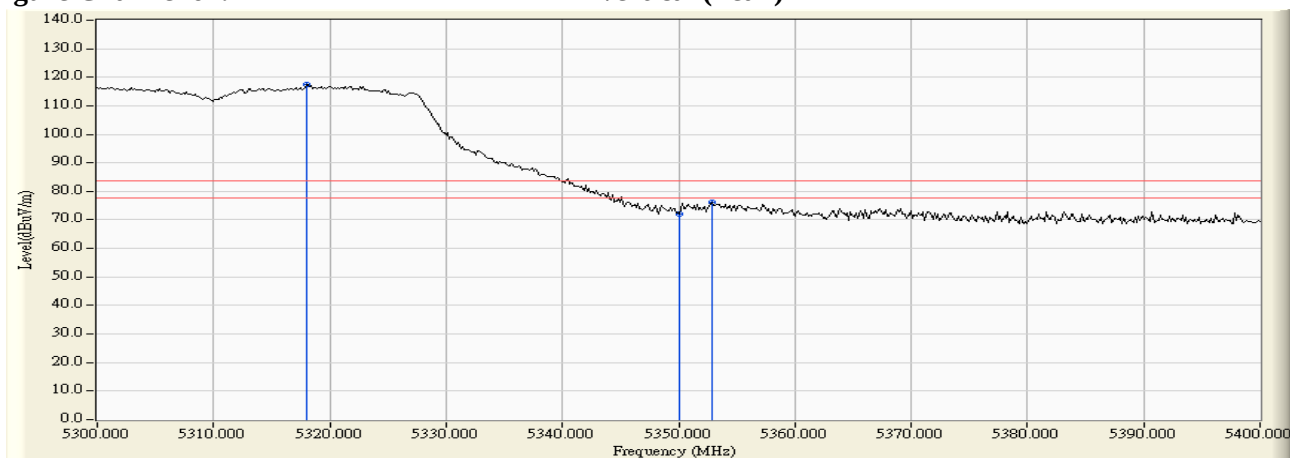
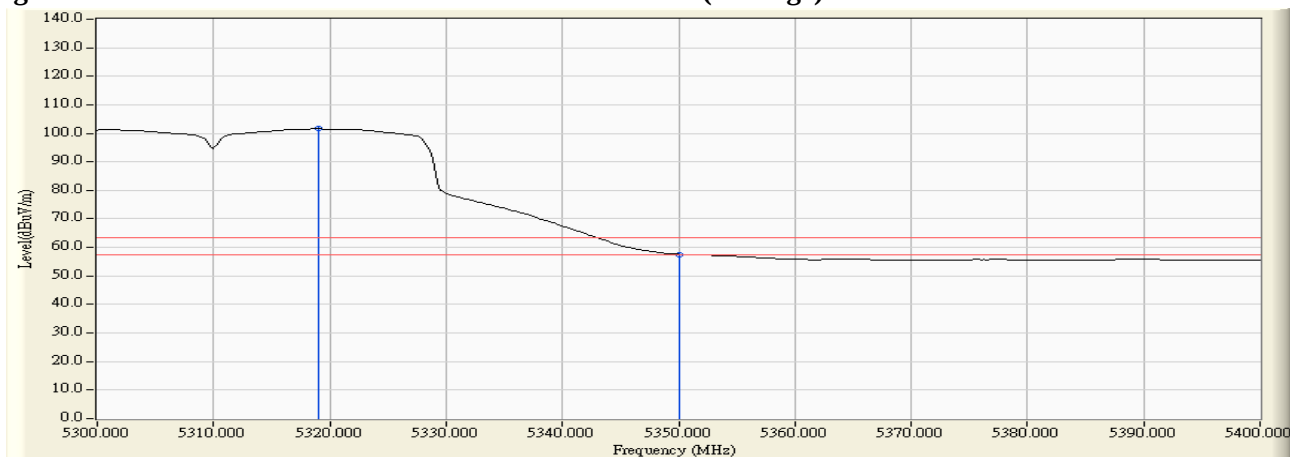


Figure Channel 62: Vertical (Average)



Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. The antenna distance is 1m, average limit is 54dBuV + 9.54dB = 63.54dBuV, peak limit is 74dBuV + 9.54dB = 83.54dBuV.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection

Product : 802.11 ac PCIe Module
Test Item : Band Edge Data
Test Site : No.3 OATS
Test Mode : Mode 27: Transmit (802.11n-40BW 30Mbps)(Sector Antenna) -Channel 102 (5510MHz)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
102 (Peak)	5459.565	36.235	34.802	71.037	83.540	63.540	Pass
102 (Peak)	5460.000	36.240	32.252	68.492	83.540	63.540	Pass
102 (Peak)	5501.739	36.696	76.146	112.842	--	--	--
102 (Average)	5448.551	36.093	18.939	55.032	83.540	63.540	Pass
102 (Average)	5460.000	36.240	18.114	54.354	83.540	63.540	Pass
102 (Average)	5501.304	36.693	61.201	97.894	--	--	--

Figure Channel 102: Horizontal (Peak)

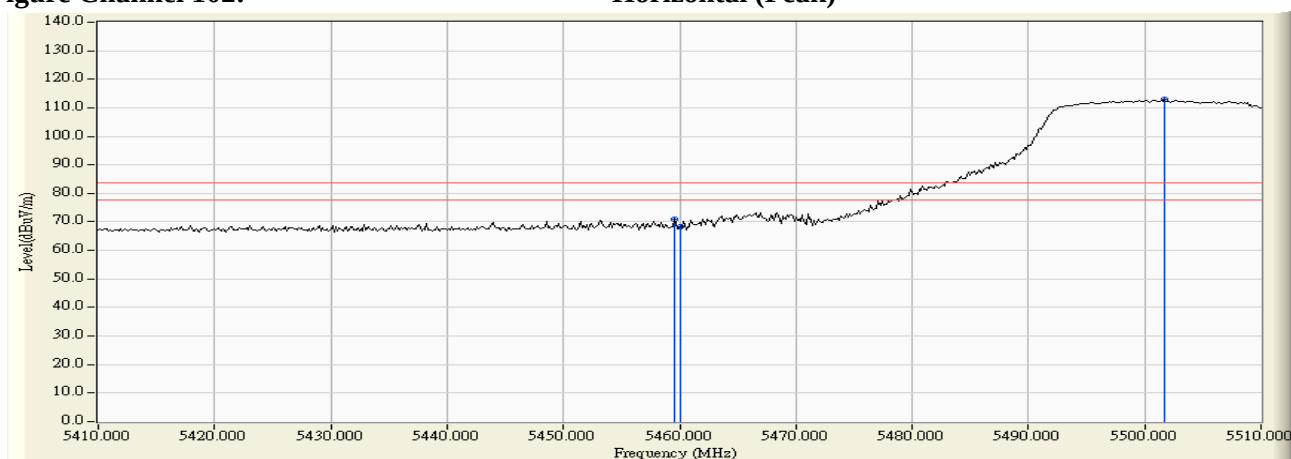
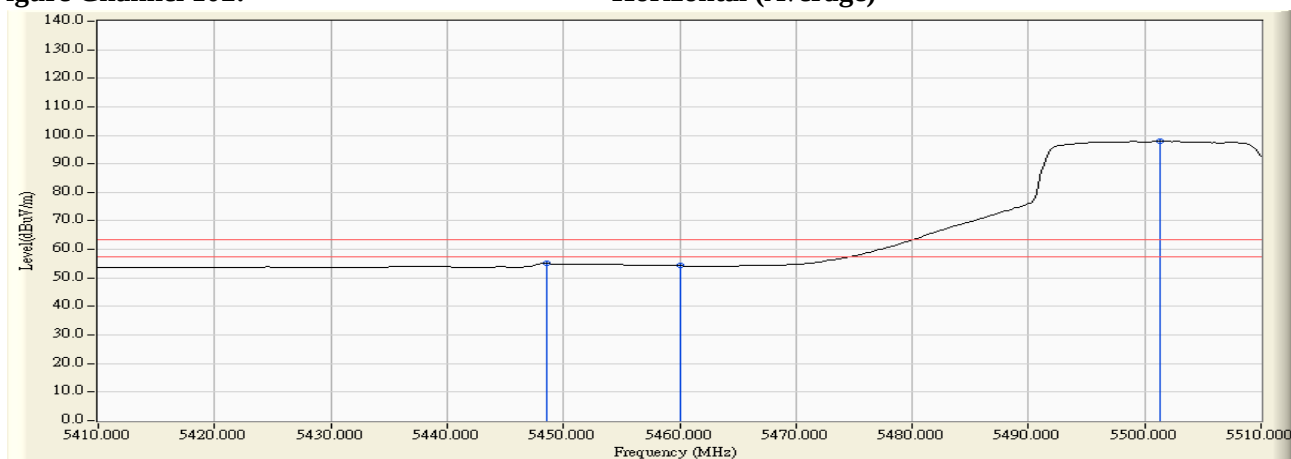


Figure Channel 102: Horizontal (Average)



Note:1. All readings above 1GHz are performed with peak and/or average measurements as necessary.

2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.

3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.

4. The antenna distance is 1m, average limit is 54dBuV + 9.54dB = 63.54dBuV, peak limit is 74dBuV + 9.54dB = 83.54dBuV.

5. Measurement Level = Reading Level + Correct Factor.

6. The average measurement was not performed when the peak measured data under the limit of average detection

Product : 802.11 ac PCIe Module
Test Item : Band Edge Data
Test Site : No.3 OATS
Test Mode : Mode 27: Transmit (802.11n-40BW 30Mbps)(Sector Antenna) -Channel 102 (5510MHz)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
102 (Peak)	5458.261	37.916	34.701	72.617	83.540	63.540	Pass
102 (Peak)	5460.000	37.927	32.651	70.578	83.540	63.540	Pass
102 (Peak)	5494.348	38.129	79.744	117.874	--	--	--
102 (Average)	5448.261	37.851	18.937	56.788	83.540	63.540	Pass
102 (Average)	5460.000	37.927	18.095	56.022	83.540	63.540	Pass
102 (Average)	5494.783	38.130	66.431	104.562	--	--	--

Figure Channel 102: Vertical (Peak)

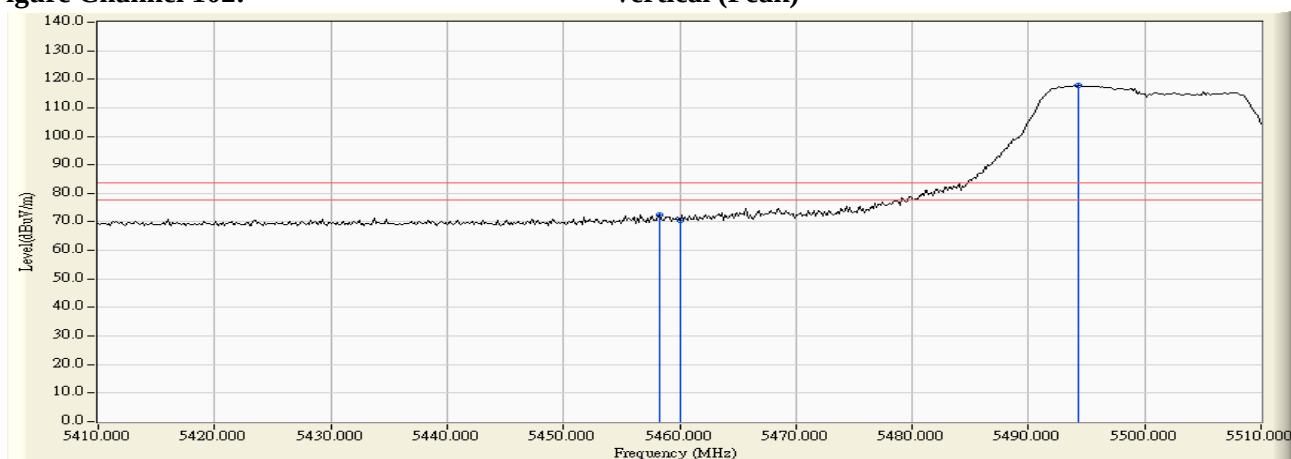
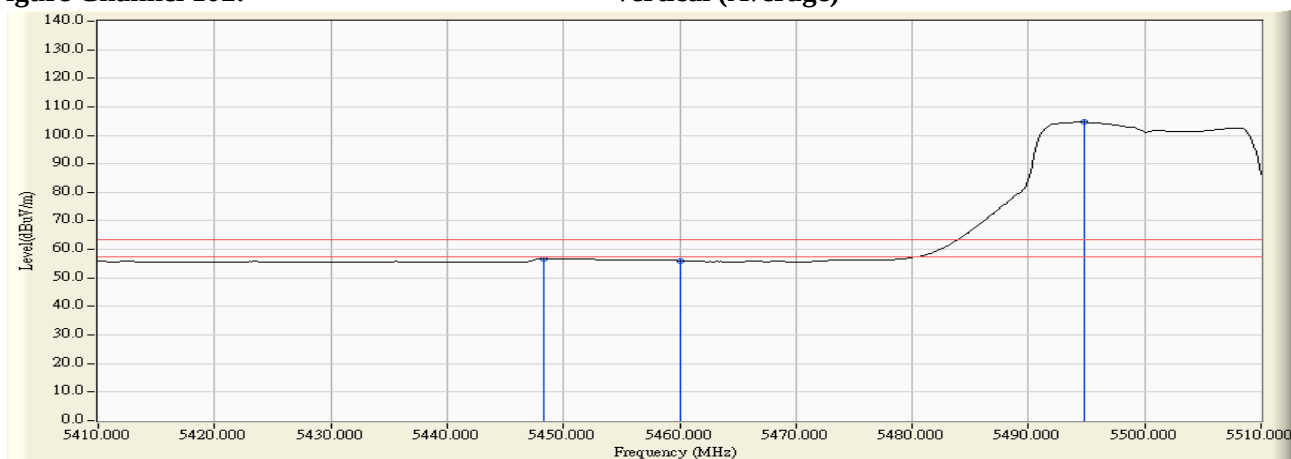
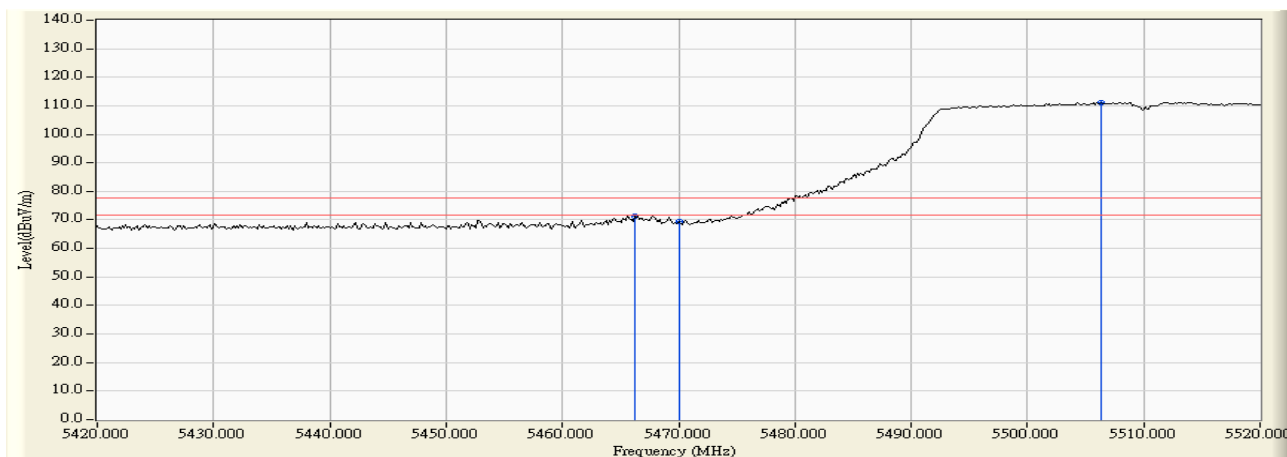


Figure Channel 102: Vertical (Average)



- Note:1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. The antenna distance is 1m, average limit is 54dBuV + 9.54dB = 63.54dBuV, peak limit is 74dBuV + 9.54dB = 83.54dBuV.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection

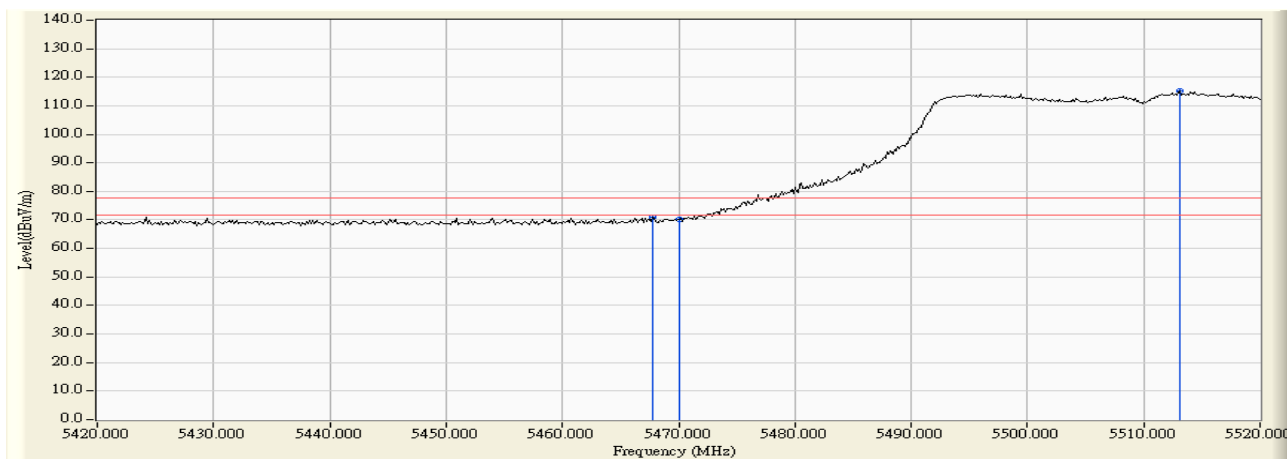
Product : 802.11 ac PCIe Module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Mode : Mode 27: Transmit (802.11n-40BW 30Mbps)(Sector Antenna) -Channel 102



RF Radiated Measurement:

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Horizontal	5466.232	36.321	34.884	71.205	-6.555	77.760	Pass
Horizontal	5470.000	36.370	33.246	69.616	-8.144	77.760	Pass
Horizontal	5506.377	36.706	74.580	111.285	--	--	--

Note:1. The antenna distance is 1m, $E[\text{dB}\mu\text{V}/\text{m}] = \text{EIRP}[\text{dBm}] - 20 \log(d[\text{meters}]) + 104.77 = -27\text{dBm} + 104.76 = 77.76\text{dB}\mu\text{V}/\text{m}$.

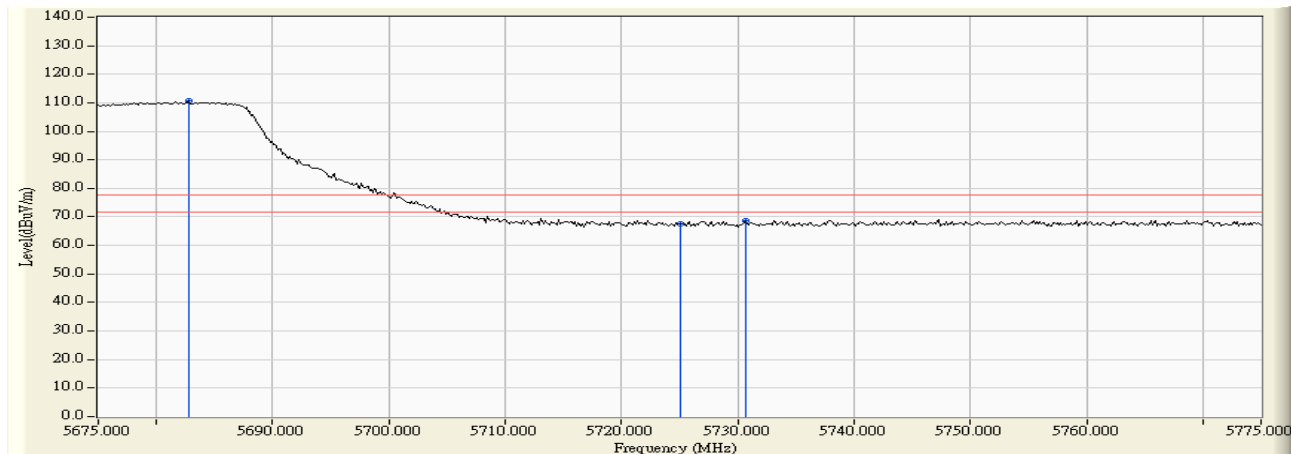


RF Radiated Measurement:

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Vertical	5467.826	37.980	32.801	70.780	-6.980	77.760	Pass
Vertical	5470.000	37.994	32.124	70.117	-7.643	77.760	Pass
Vertical	5513.043	38.103	77.176	115.279	--	--	--

Note:1. The antenna distance is 1m, $E[\text{dB}\mu\text{V}/\text{m}] = \text{EIRP}[\text{dBm}] - 20 \log(d[\text{meters}]) + 104.77 = -27\text{dBm} + 104.76 = 77.76\text{dB}\mu\text{V}/\text{m}$.

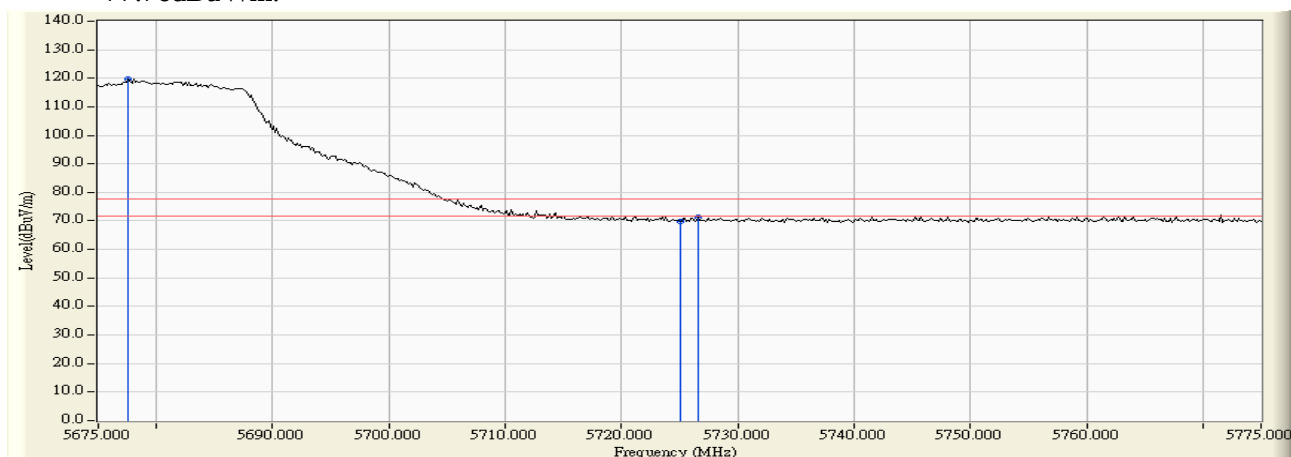
Product : 802.11 ac PCIe Module
Test Item : Band Edge Data
Test Site : No.3 OATS
Test Mode : Mode 27: Transmit (802.11n-40BW 30Mbps)(Sector Antenna) -Channel 134



RF Radiated Measurement:

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Horizontal	5682.826	36.322	74.359	110.681	--	--	--
Horizontal	5725.000	36.391	31.012	67.403	-10.357	77.760	Pass
Horizontal	5730.652	36.388	32.157	68.544	-9.216	77.760	Pass

Note:1. The antenna distance is 1m, $E[\text{dB}\mu\text{V}/\text{m}] = \text{EIRP}[\text{dBm}] - 20 \log(d[\text{meters}]) + 104.77 = -27\text{dBm} + 104.76 = 77.76\text{dB}\mu\text{V}/\text{m}$.



RF Radiated Measurement:

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Vertical	5677.609	37.701	81.903	119.604	--	--	--
Vertical	5725.000	37.729	32.179	69.908	-7.852	77.760	Pass
Vertical	5726.594	37.728	33.516	71.244	-6.516	77.760	Pass

Note:1. The antenna distance is 1m, $E[\text{dB}\mu\text{V}/\text{m}] = \text{EIRP}[\text{dBm}] - 20 \log(d[\text{meters}]) + 104.77 = -27\text{dBm} + 104.76 = 77.76\text{dB}\mu\text{V}/\text{m}$.

Product : 802.11 ac PCIe Module
Test Item : Band Edge Data
Test Site : No.3 OATS
Test Mode : Mode 30: Transmit (802.11ac-80BW-65Mbps)(Sector Antenna) -Channel 58

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
58 (Peak)	5313.188	35.648	74.188	109.837	--	--	--
58 (Peak)	5350.000	35.571	37.763	73.334	83.540	63.540	Pass
58 (Peak)	5351.159	35.569	39.671	75.240	83.540	63.540	Pass
58 (Average)	5316.087	35.643	57.423	93.066	--	--	--
58 (Average)	5350.000	35.571	24.927	60.498	83.540	63.540	Pass

Figure Channel 58: Horizontal (Peak)

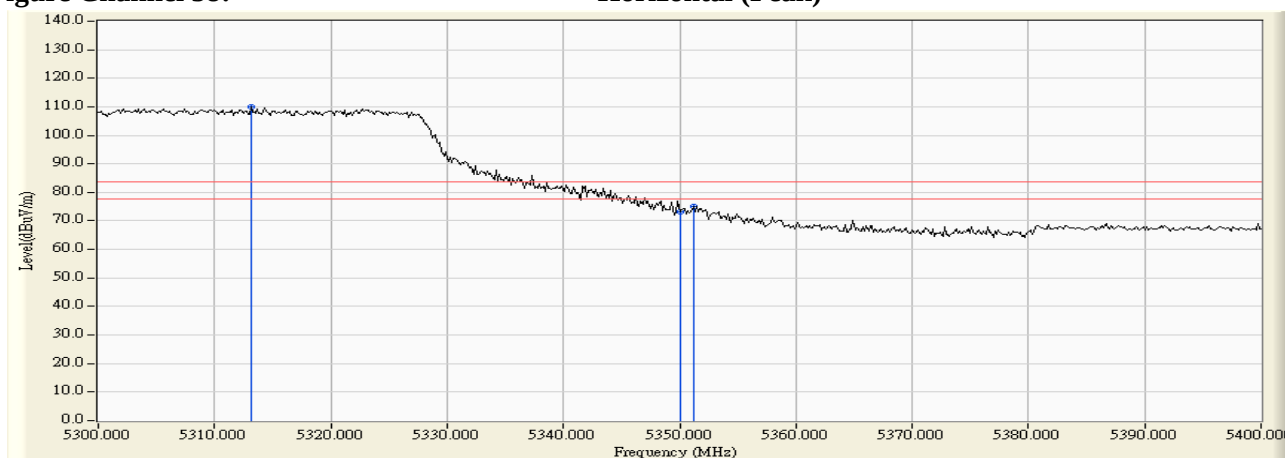
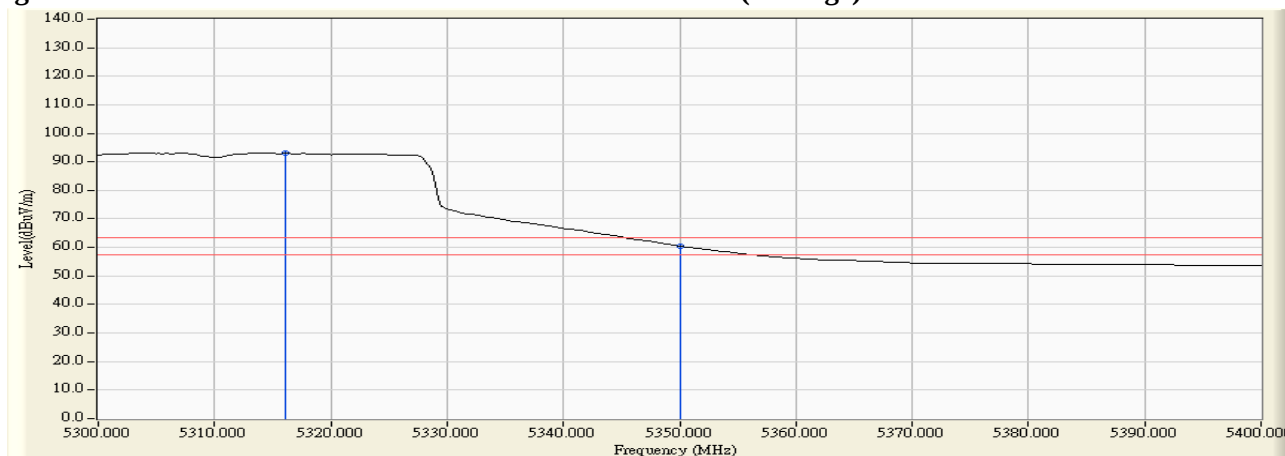


Figure Channel 58: Horizontal (Average)



Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. The antenna distance is 1m, average limit is 54dBuV + 9.54dB = 63.54dBuV, peak limit is 74dBuV + 9.54dB = 83.54dBuV.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection

Product : 802.11 ac PCIe Module
Test Item : Band Edge Data
Test Site : No.3 OATS
Test Mode : Mode 30: Transmit (802.11ac-80BW-65Mbps)(Sector Antenna) -Channel 58

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
58 (Peak)	5303.188	37.554	76.989	114.543	--	--	--
58 (Peak)	5350.000	37.546	42.326	79.872	83.540	63.540	Pass
58 (Average)	5318.551	37.552	58.758	96.309	--	--	--
58 (Average)	5350.000	37.546	24.955	62.501	83.540	63.540	Pass

Figure Channel 58:

Vertical (Peak)

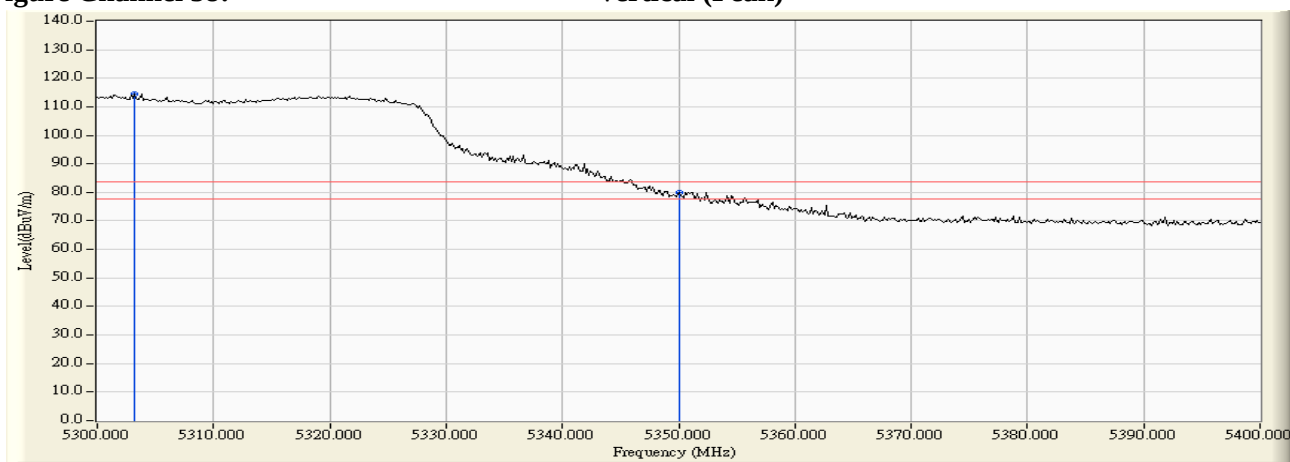
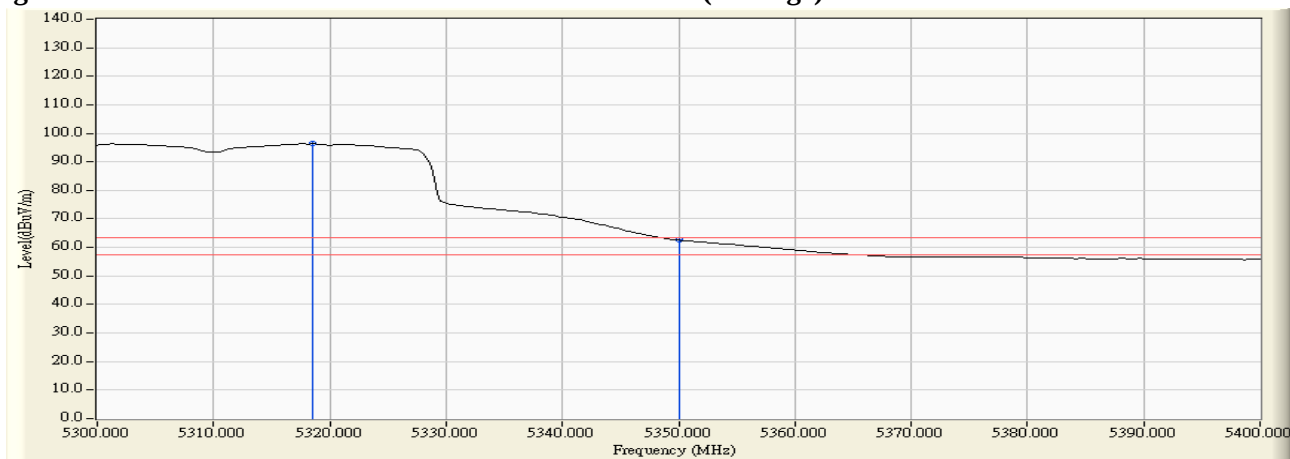


Figure Channel 58:

Vertical (Average)



Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. The antenna distance is 1m, average limit is 54dBuV + 9.54dB = 63.54dBuV, peak limit is 74dBuV + 9.54dB = 83.54dBuV.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection

Product : 802.11 ac PCIe Module
Test Item : Band Edge Data
Test Site : No.3 OATS
Test Mode : Mode 30: Transmit (802.11ac-80BW-65Mbps)(Sector Antenna) -Channel 106

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
106 (Peak)	5459.275	36.230	33.326	69.557	83.540	63.540	Pass
106 (Peak)	5460.000	36.240	32.301	68.541	83.540	63.540	Pass
106 (Peak)	5502.174	36.699	70.874	107.572	--	--	--
106 (Average)	5459.420	36.233	18.838	55.071	83.540	63.540	Pass
106 (Average)	5460.000	36.240	18.697	54.937	83.540	63.540	Pass
106 (Average)	5501.594	36.695	54.054	90.749	--	--	--

Figure Channel 106: Horizontal (Peak)

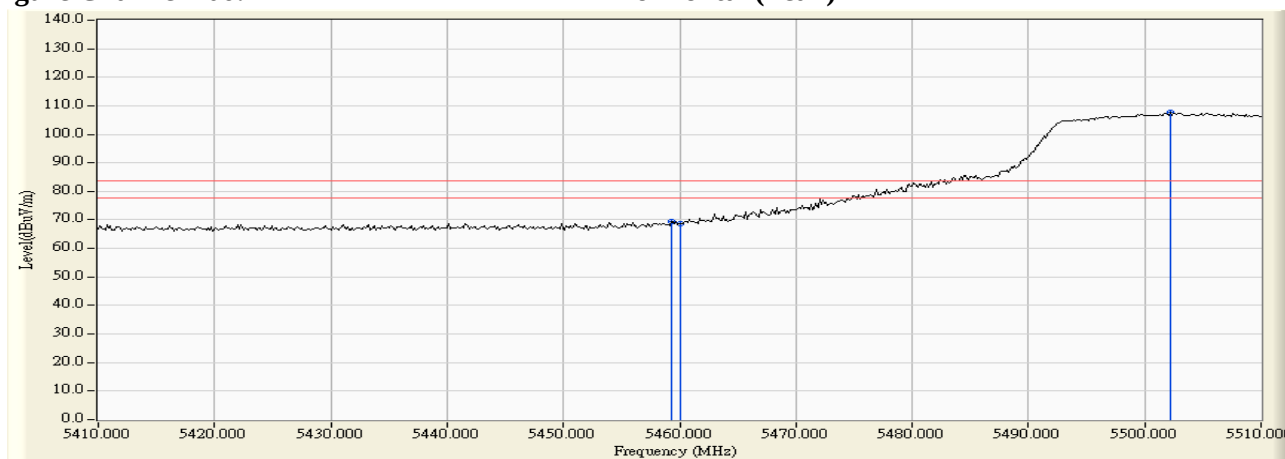
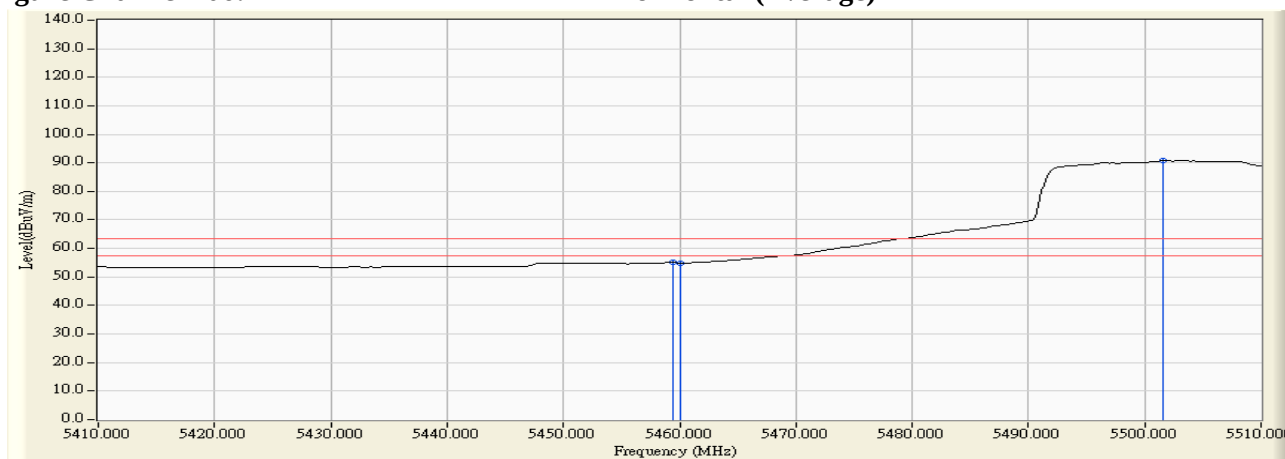


Figure Channel 106: Horizontal (Average)



- Note:1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. The antenna distance is 1m, average limit is 54dBuV + 9.54dB = 63.54dBuV, peak limit is 74dBuV + 9.54dB = 83.54dBuV.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection

Product : 802.11 ac PCIe Module
Test Item : Band Edge Data
Test Site : No.3 OATS
Test Mode : Mode 30: Transmit (802.11ac-80BW-65Mbps)(Sector Antenna) -Channel 106

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
106 (Peak)	5459.420	37.924	34.695	72.618	83.540	63.540	Pass
106 (Peak)	5460.000	37.927	33.638	71.565	83.540	63.540	Pass
106 (Peak)	5501.884	38.149	72.993	111.143	--	--	--
106 (Average)	5459.565	37.924	19.487	57.411	83.540	63.540	Pass
106 (Average)	5460.000	37.927	19.417	57.344	83.540	63.540	Pass
106 (Average)	5504.203	38.156	55.668	93.824	--	--	--

Figure Channel 106: Vertical (Peak)

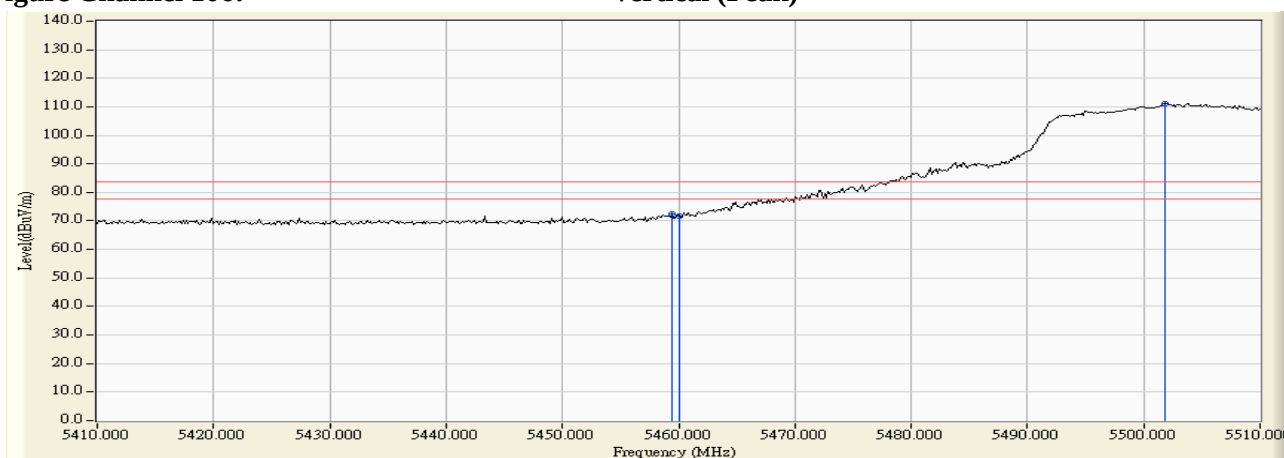
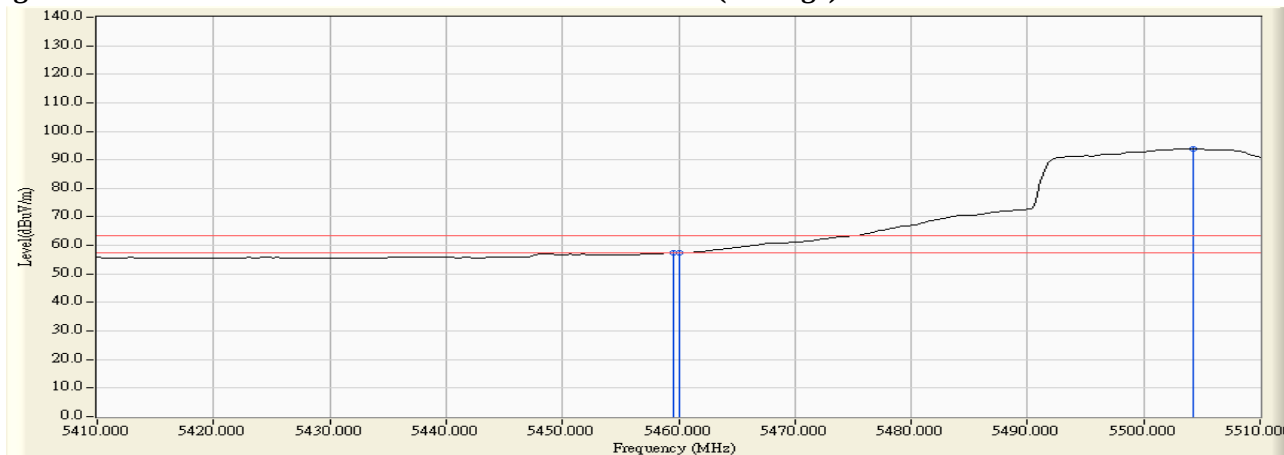


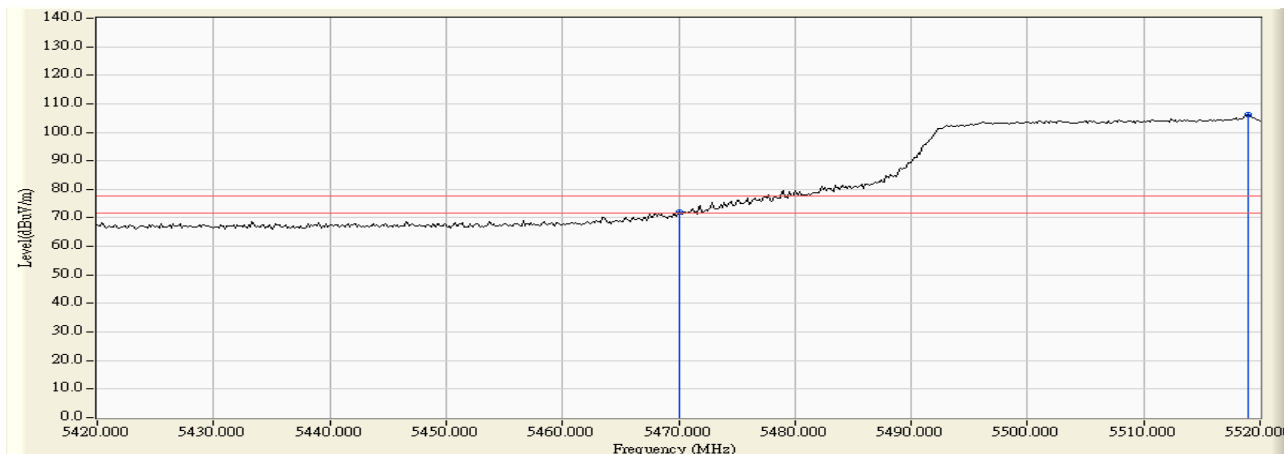
Figure Channel 106: Vertical (Average)



Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. The antenna distance is 1m, average limit is 54dBuV + 9.54dB = 63.54dBuV, peak limit is 74dBuV + 9.54dB = 83.54dBuV.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection

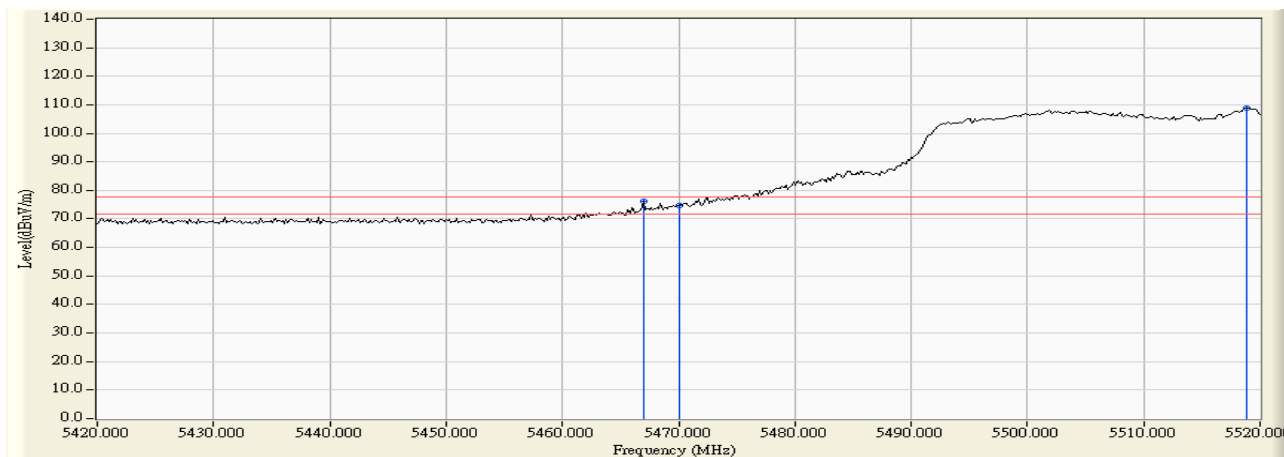
Product : 802.11 ac PCIe Module
Test Item : Band Edge Data
Test Site : No.3 OATS
Test Mode : Mode 30: Transmit (802.11ac-80BW-65Mbps)(Sector Antenna) -Channel 106



RF Radiated Measurement:

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Horizontal	5470.000	36.370	35.864	72.234	-5.526	77.760	Pass
Horizontal	5518.985	36.599	69.522	106.121	--	--	--

Note:1. The antenna distance is 1m, $E[\text{dB}\mu\text{V}/\text{m}] = \text{EIRP}[\text{dBm}] - 20 \log(d[\text{meters}]) + 104.77 = -27\text{dBm} + 104.76 = 77.76\text{dB}\mu\text{V}/\text{m}$.



RF Radiated Measurement:

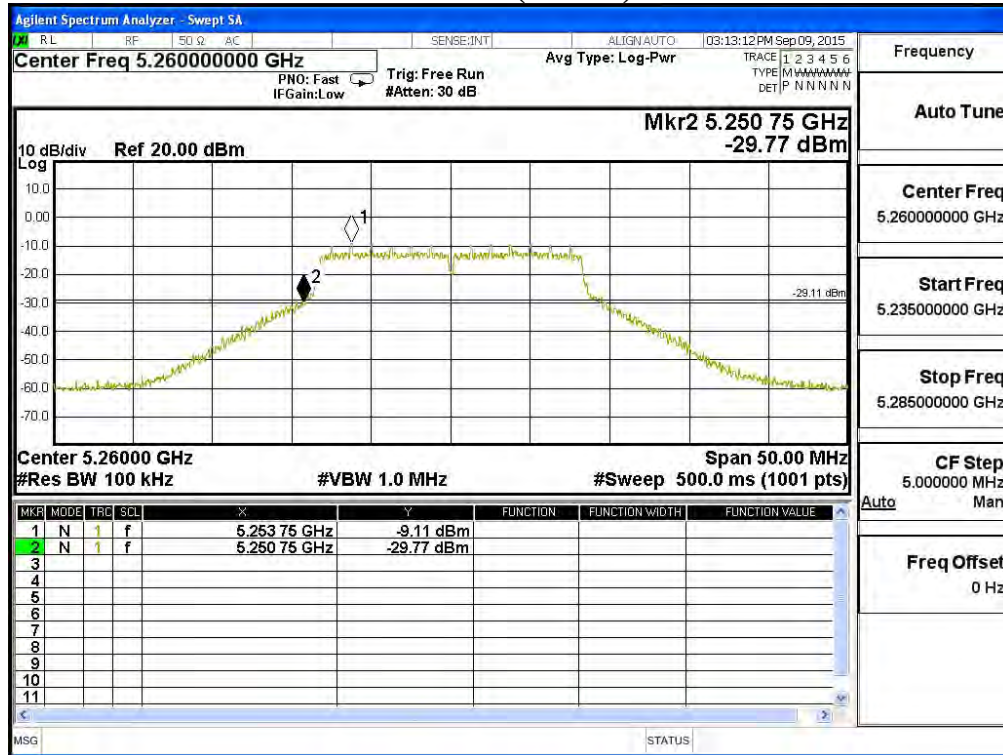
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Vertical	5466.957	37.974	38.369	76.342	-1.418	77.760	Pass
Vertical	5470.000	37.994	36.564	74.557	-3.203	77.760	Pass
Vertical	5518.841	38.064	70.914	108.978	--	--	--

Note:1. The antenna distance is 1m, $E[\text{dB}\mu\text{V}/\text{m}] = \text{EIRP}[\text{dBm}] - 20 \log(d[\text{meters}]) + 104.77 = -27\text{dBm} + 104.76 = 77.76\text{dB}\mu\text{V}/\text{m}$.

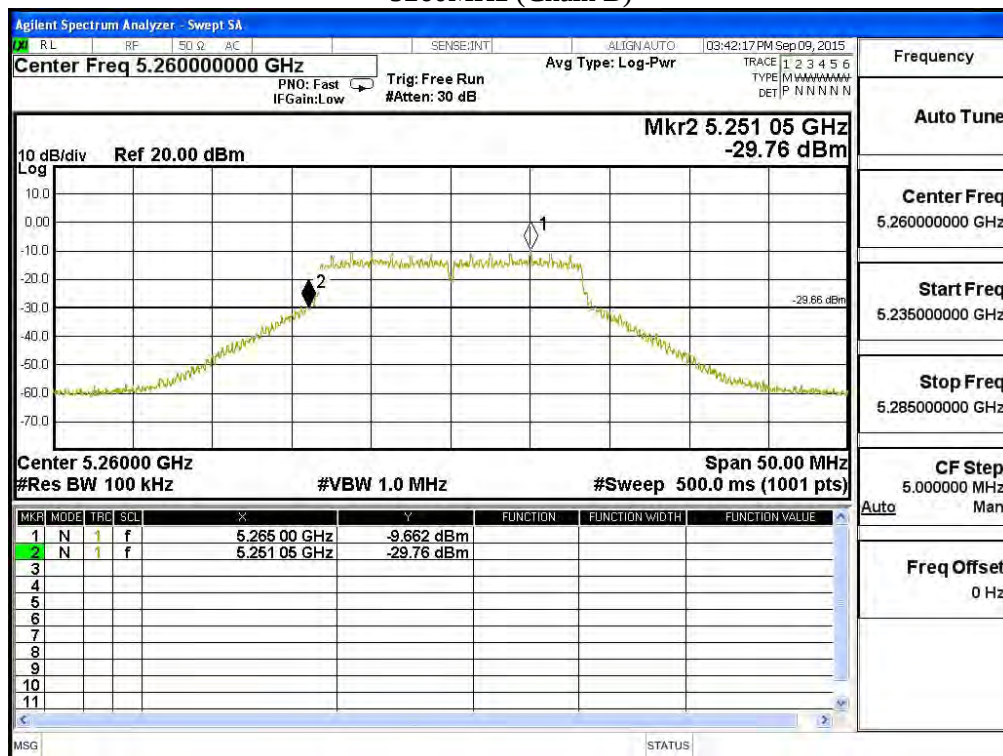
Product : 802.11 ac PCIe Module
Test Item : Band Edge Data
Test Site : No.3 OATS
Test Mode : Mode 25: Transmit (802.11a-6Mbps)(Sector Antenna)

Test Frequency (MHz)	Chain	Measurement Level (20dB BW) (MHz)	Limit (MHz)	Result
5260	A	5250.75	>5250	PASS
5260	B	5251.05	>5250	PASS

5260MHz (Chain A)



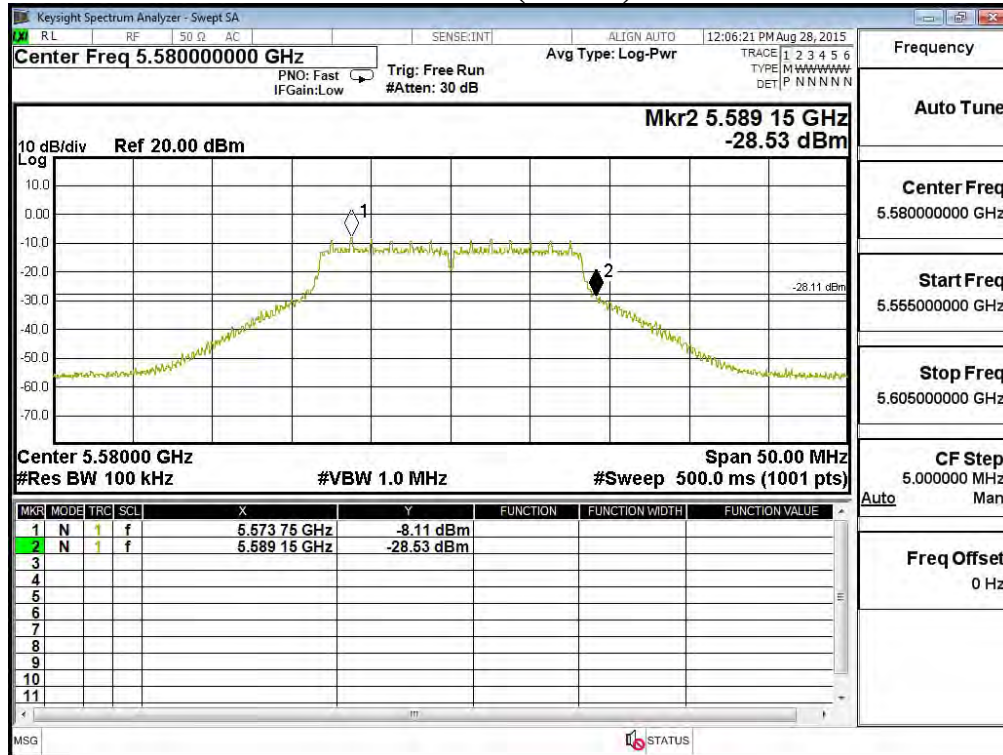
5260MHz (Chain B)



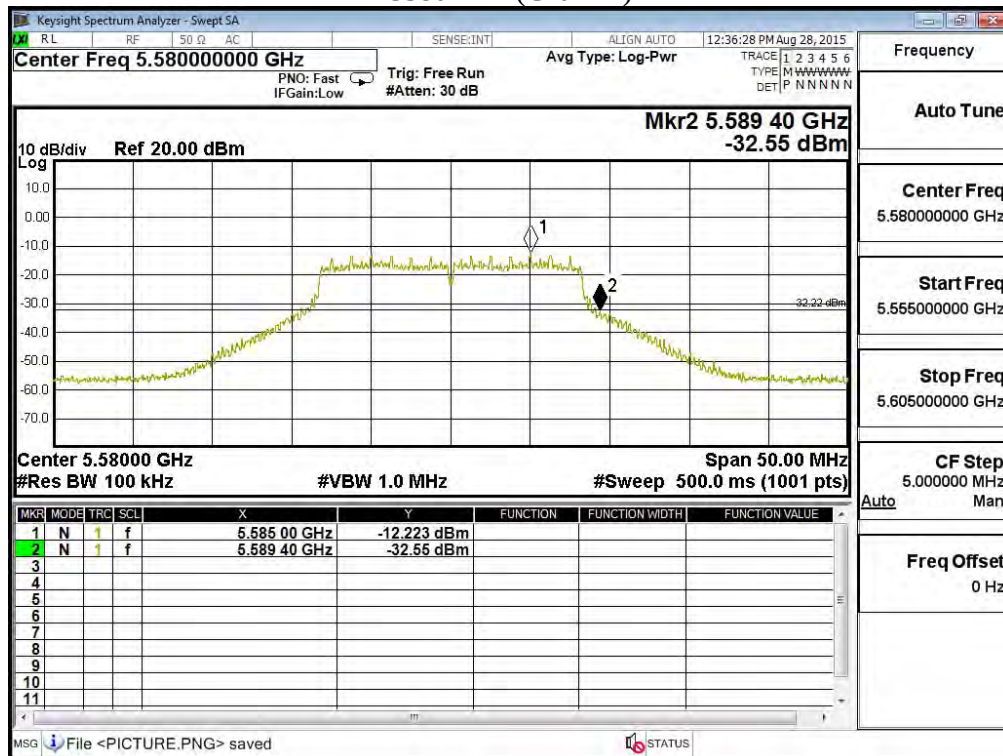
Product : 802.11 ac PCIe Module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Mode : Mode 25: Transmit (802.11a-6Mbps)(Sector Antenna)

Test Frequency (MHz)	Chain	Measurement Level (20dB BW) (MHz)	Limit (MHz)	Result
5580	A	5589.15	<5600	PASS
5660		5651.10	>5650	PASS
5580	B	5589.40	<5600	PASS
5660		5650.90	>5650	PASS

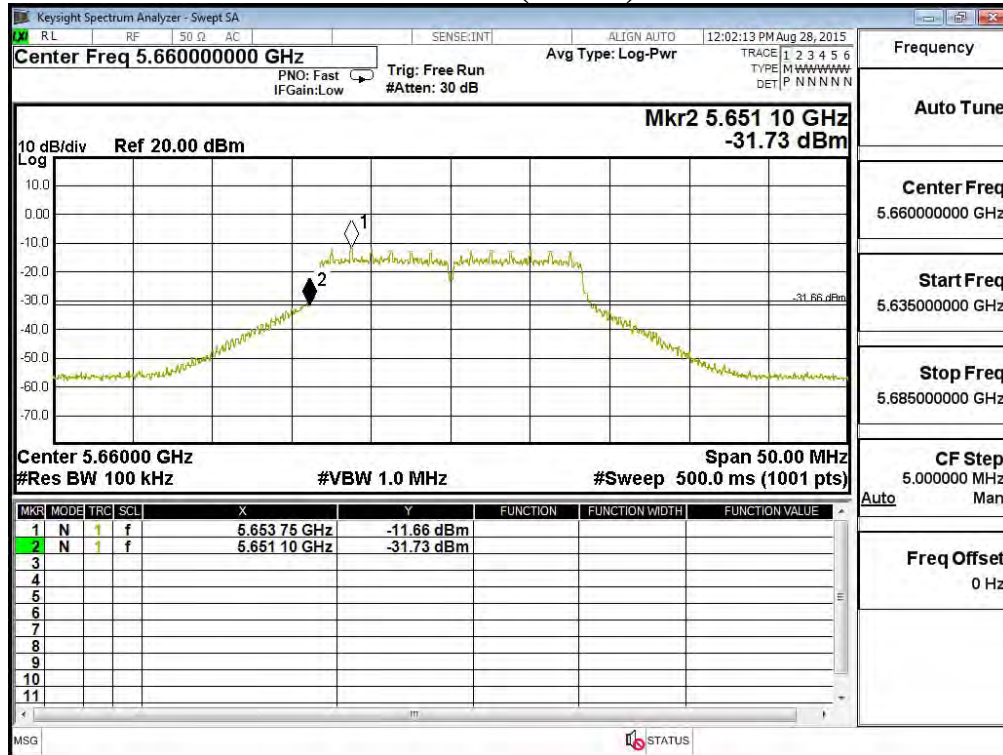
5580MHz (Chain A)



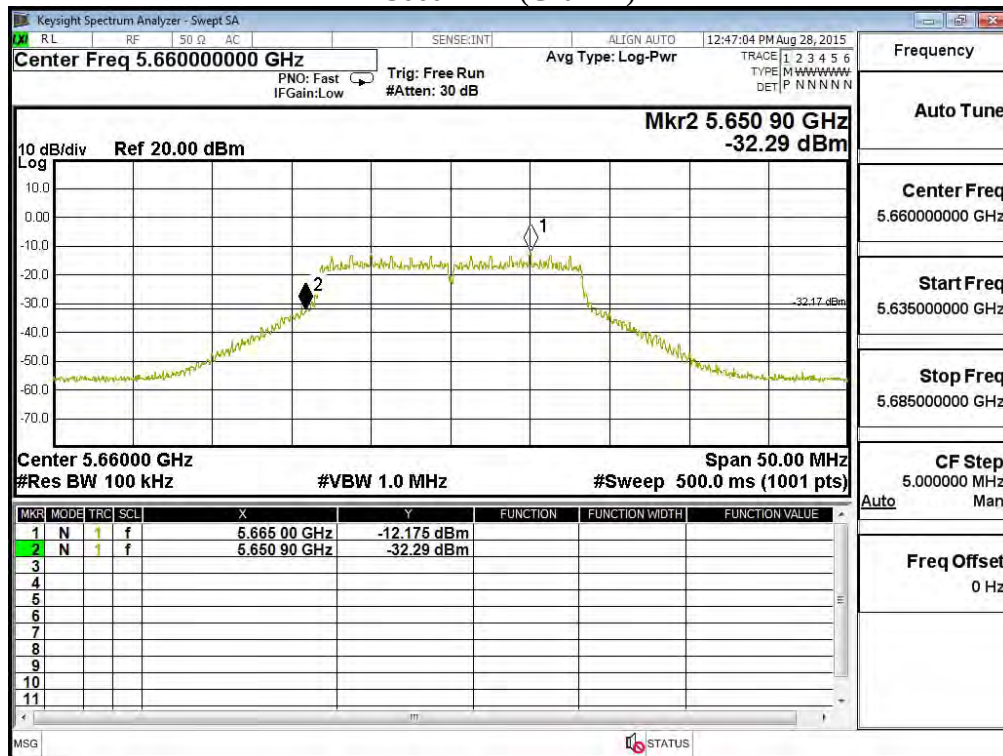
5580MHz (Chain B)



5660 MHz (Chain A)



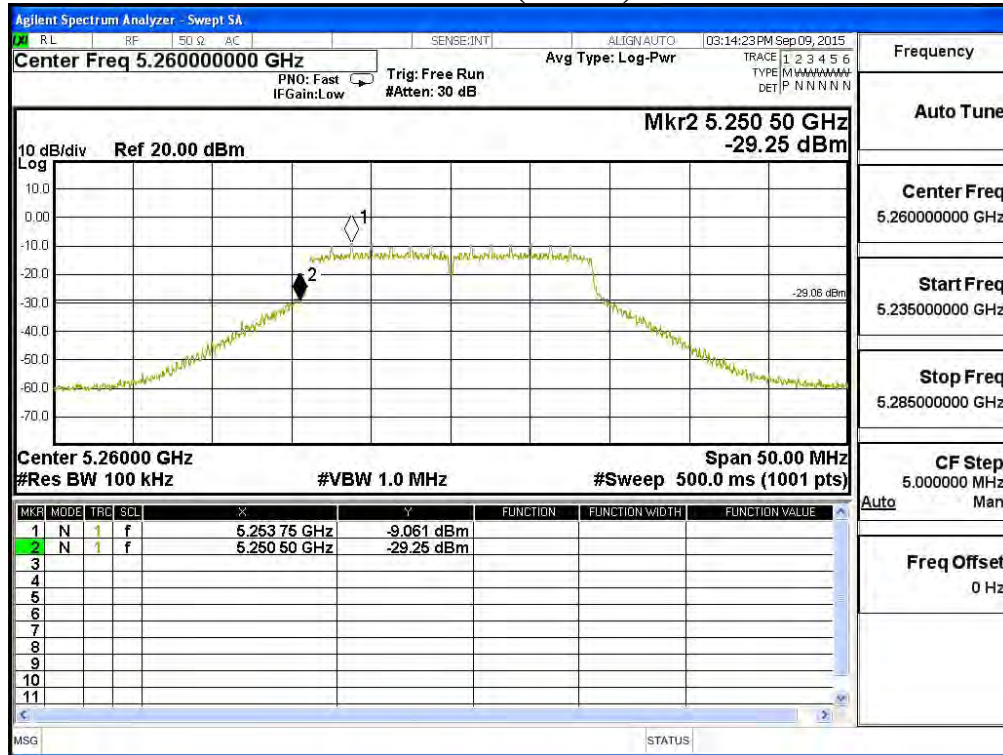
5660 MHz (Chain B)



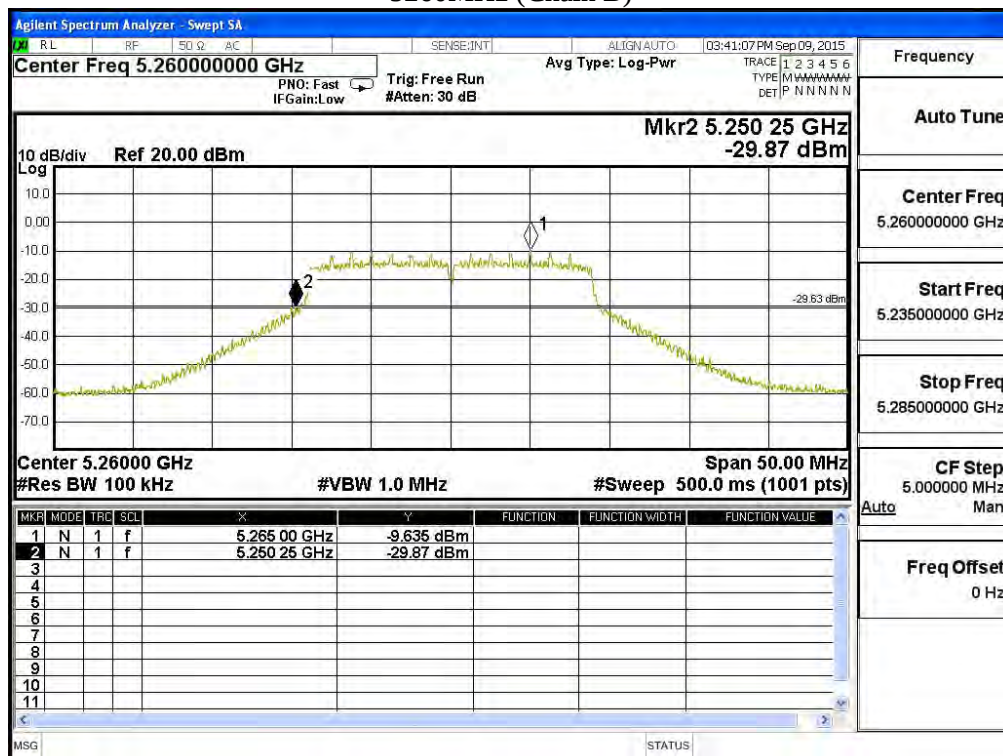
Product : 802.11 ac PCIe Module
Test Item : Band Edge Data
Test Site : No.3 OATS
Test Mode : Mode 26: Transmit (802.11n-20BW 14.4Mbps)(Sector Antenna)

Test Frequency (MHz)	Chain	Measurement Level (20dB BW) (MHz)	Limit (MHz)	Result
5260	A	5250.50	>5250	PASS
5260	B	5250.25	>5250	PASS

5260MHz (Chain A)



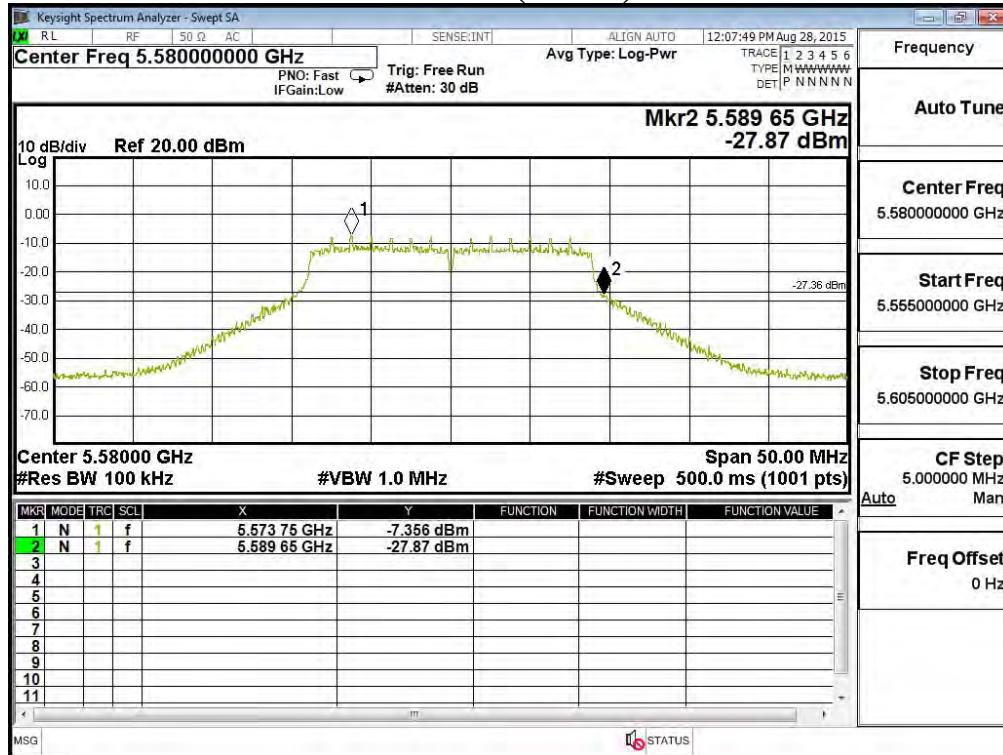
5260MHz (Chain B)



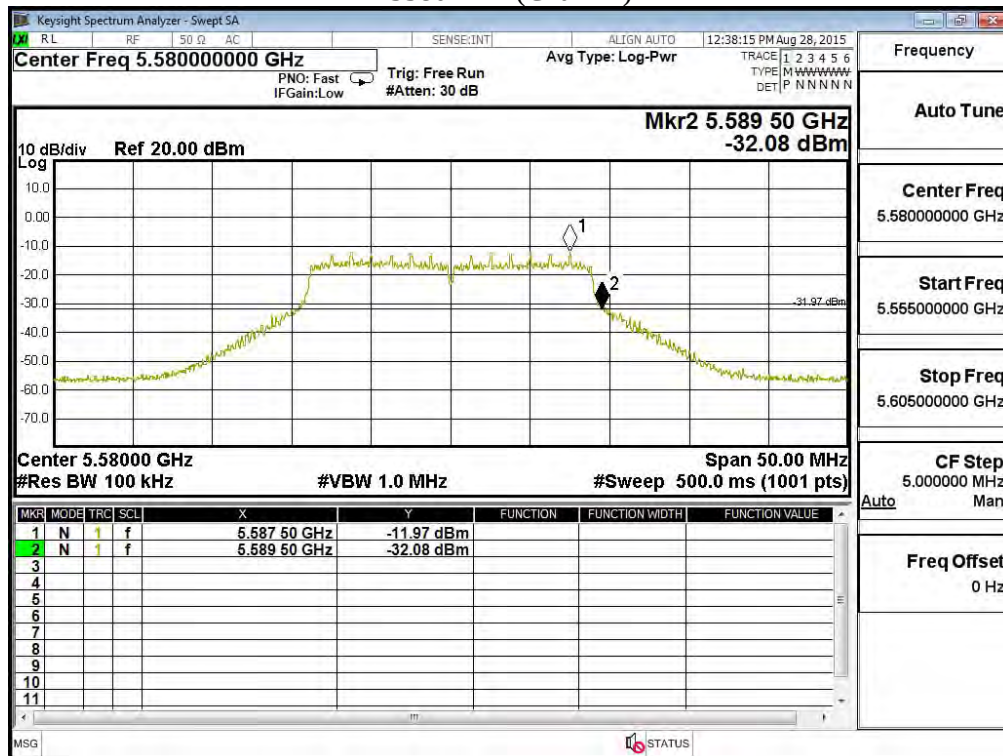
Product : 802.11 ac PCIe Module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Mode : Mode 26: Transmit (802.11n-20BW 14.4Mbps)(Sector Antenna)

Test Frequency (MHz)	Chain	Measurement Level (20dB BW) (MHz)	Limit (MHz)	Result
5580	A	5589.65	<5600	PASS
5660		5650.35	>5650	PASS
5580	B	5589.50	<5600	PASS
5660		5650.75	>5650	PASS

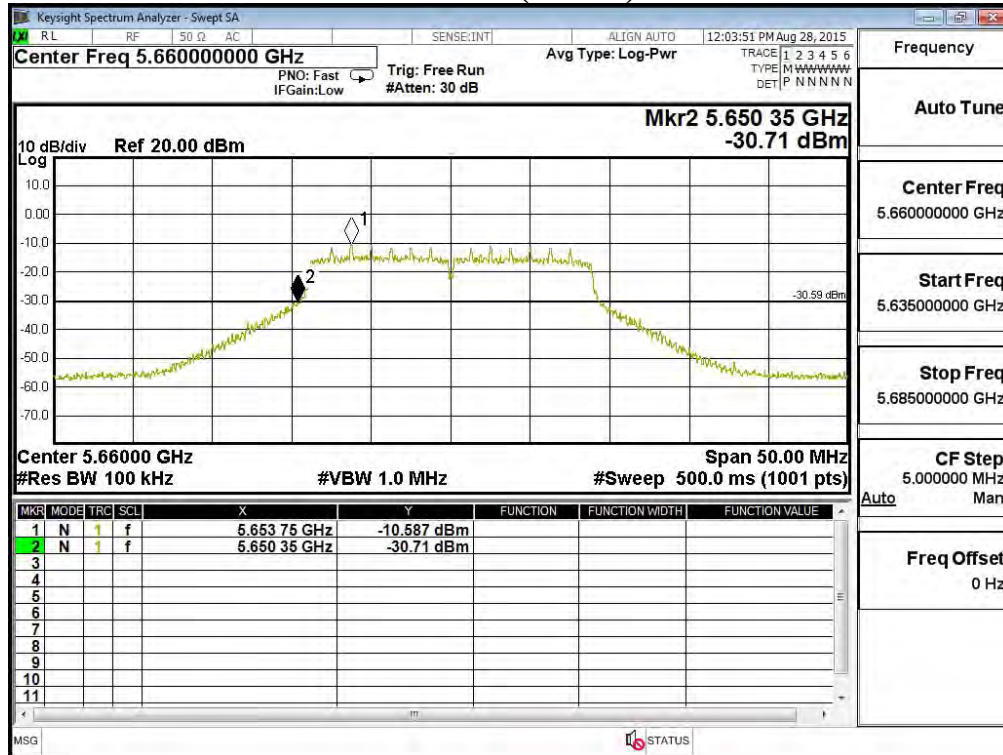
5580MHz (Chain A)



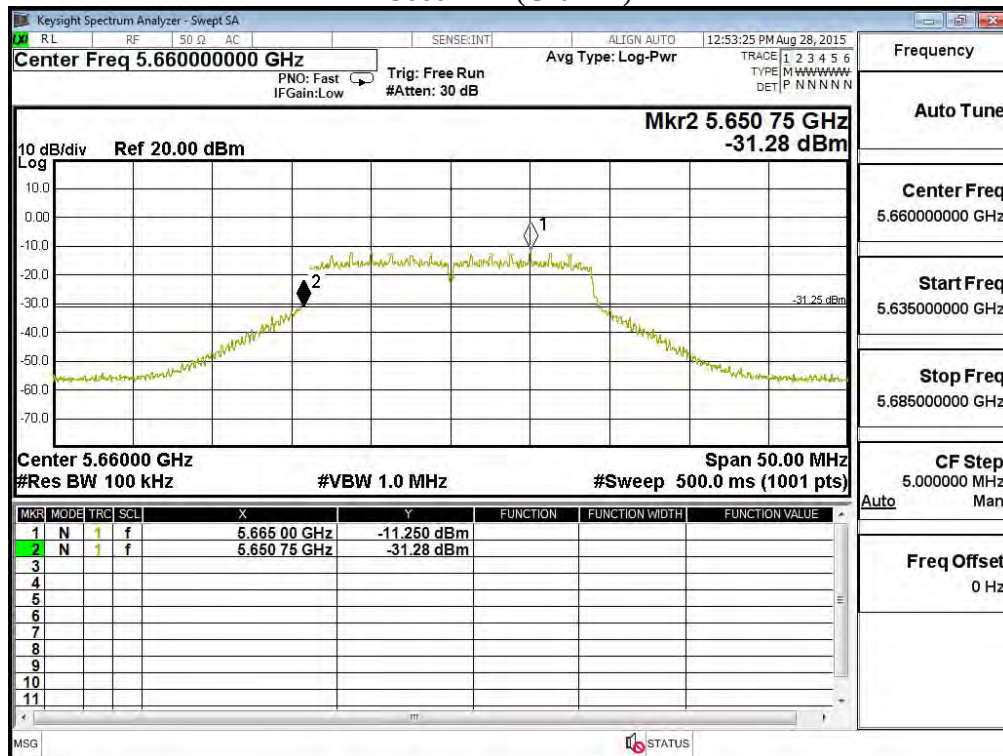
5580MHz (Chain B)



5660 MHz (Chain A)



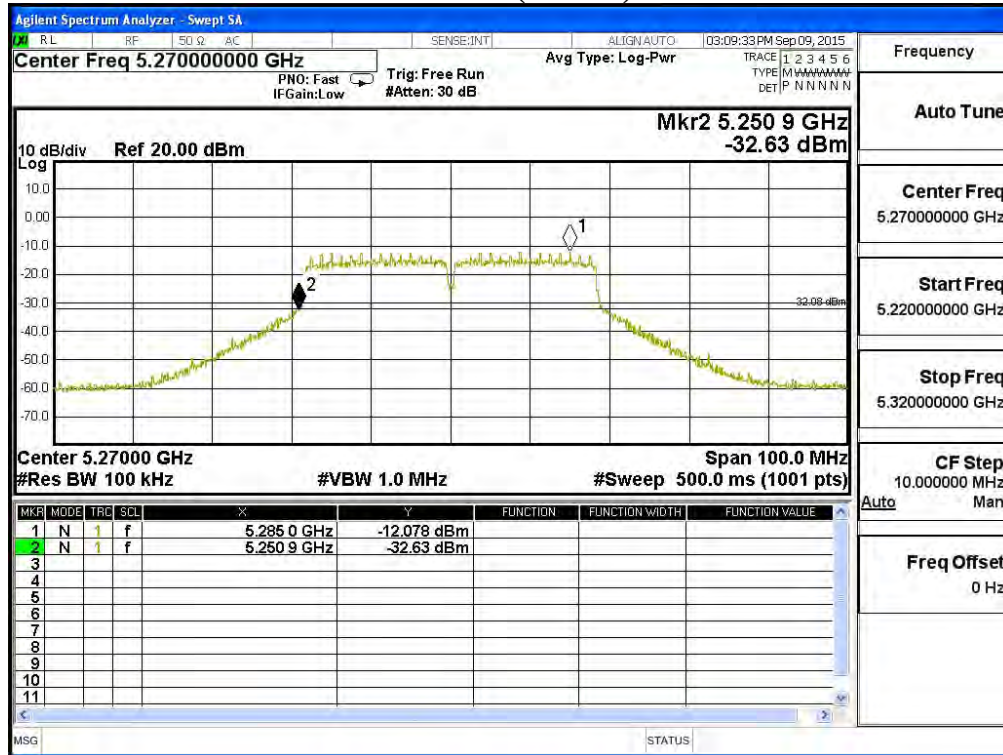
5660MHz (Chain B)



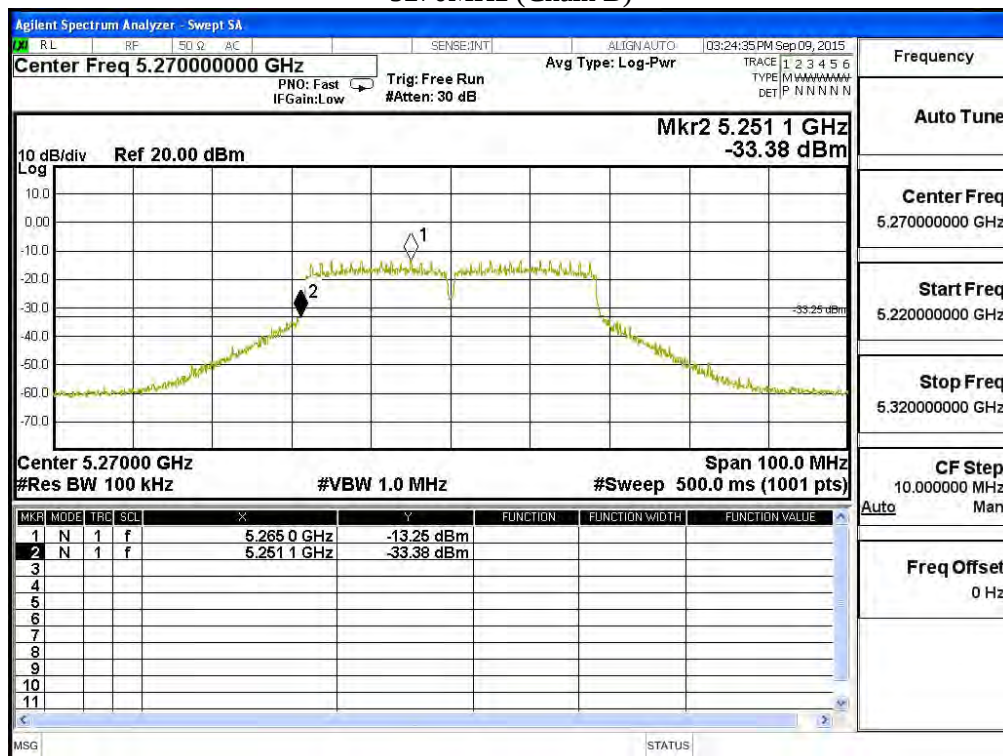
Product : 802.11 ac PCIe Module
Test Item : Band Edge Data
Test Site : No.3 OATS
Test Mode : Mode 27: Transmit (802.11n-40BW 30Mbps)(Sector Antenna)

Test Frequency (MHz)	Chain	Measurement Level (20dB BW) (MHz)	Limit (MHz)	Result
5270	A	5250.90	>5250	PASS
5270	B	5251.10	>5250	PASS

5270MHz (Chain A)



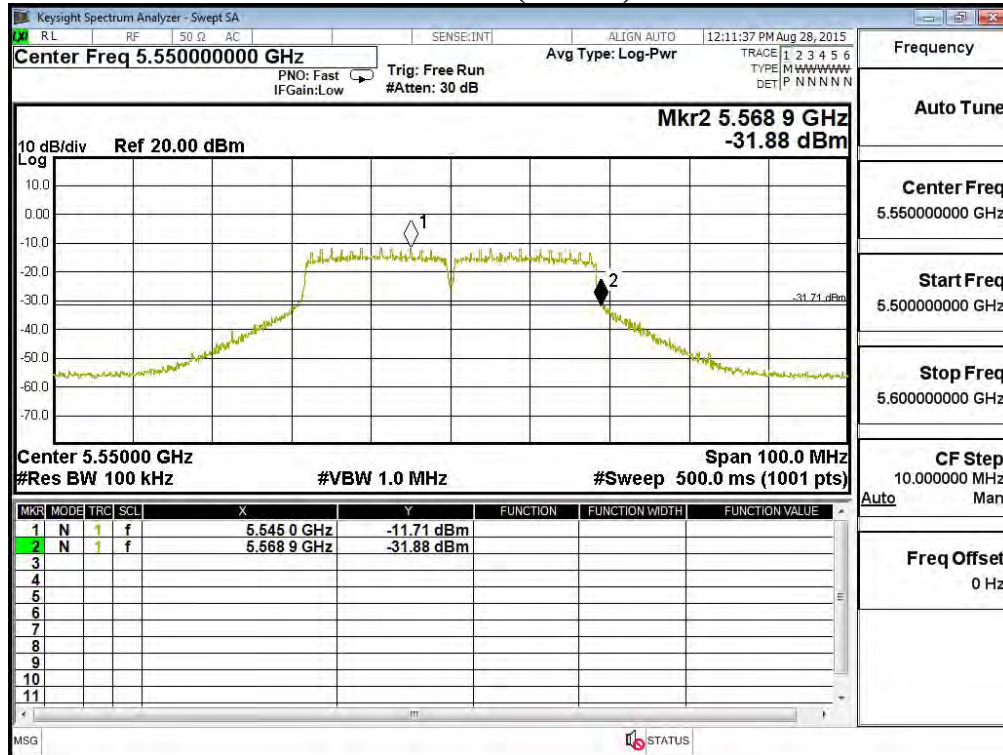
5270MHz (Chain B)



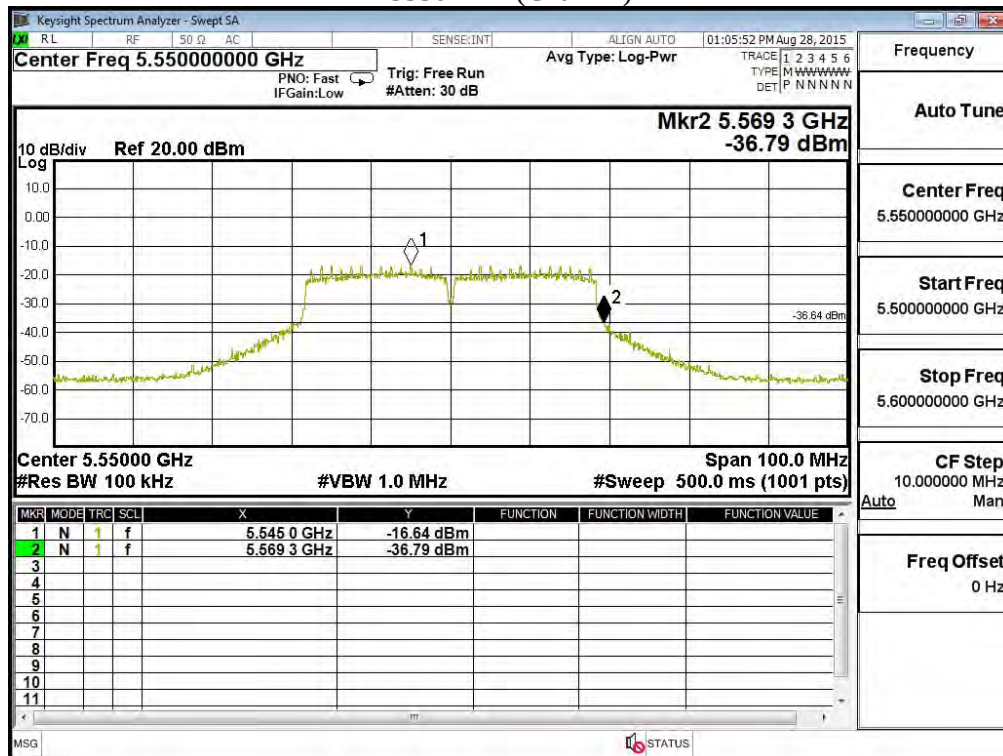
Product : 802.11 ac PCIe Module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Mode : Mode 27: Transmit (802.11n-40BW 30Mbps)(Sector Antenna)

Test Frequency (MHz)	Chain	Measurement Level (20dB BW) (MHz)	Limit (MHz)	Result
5550	A	5568.90	<5600	PASS
5670		5650.30	>5650	PASS
5550	B	5569.30	<5600	PASS
5670		5650.70	>5650	PASS

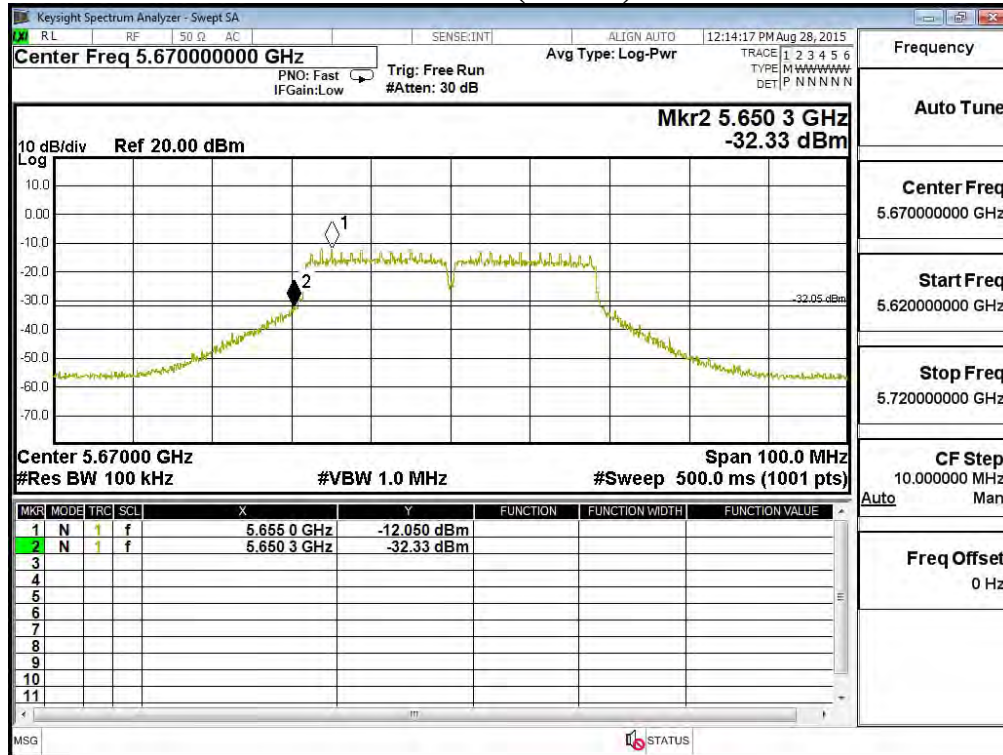
5550MHz (Chain A)



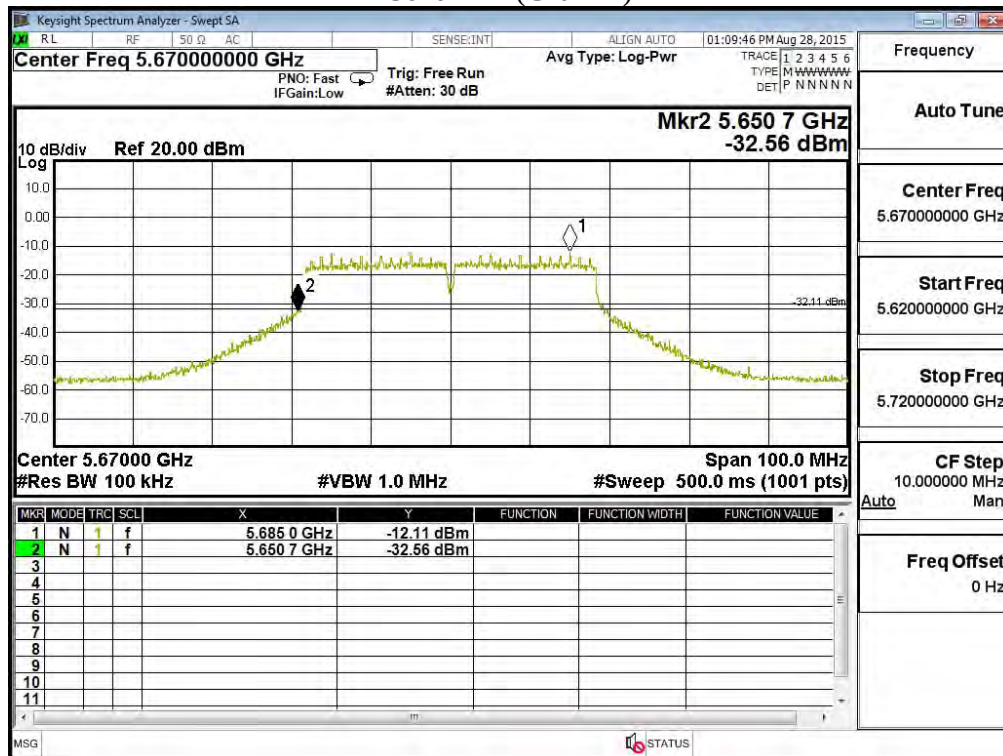
5550MHz (Chain B)



5670MHz (Chain A)



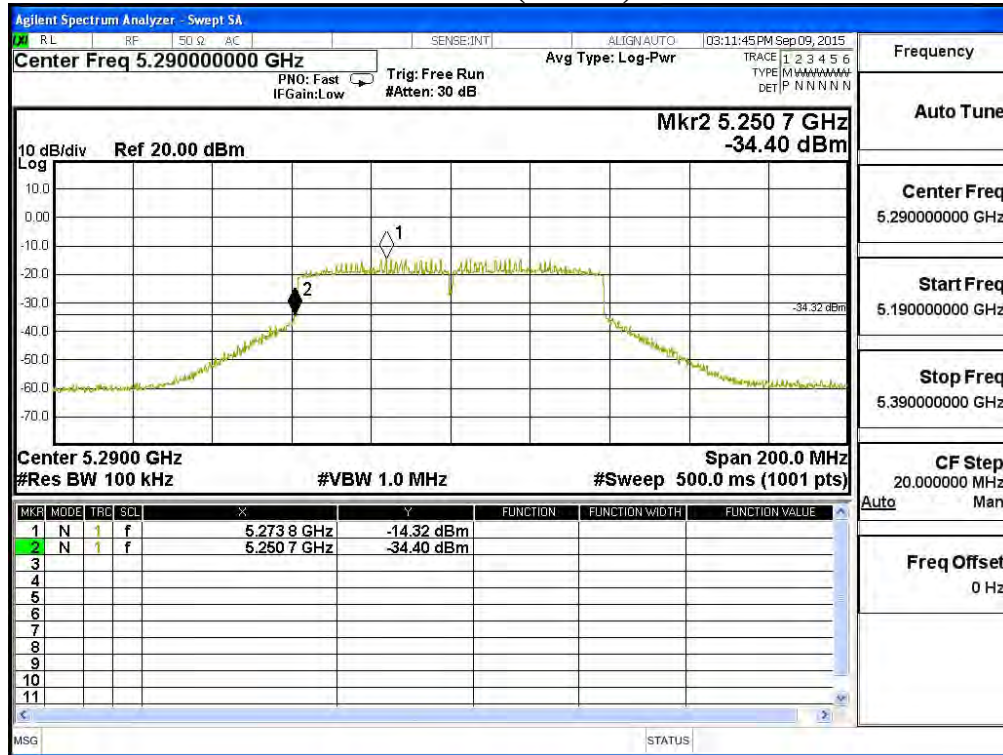
5670MHz (Chain B)



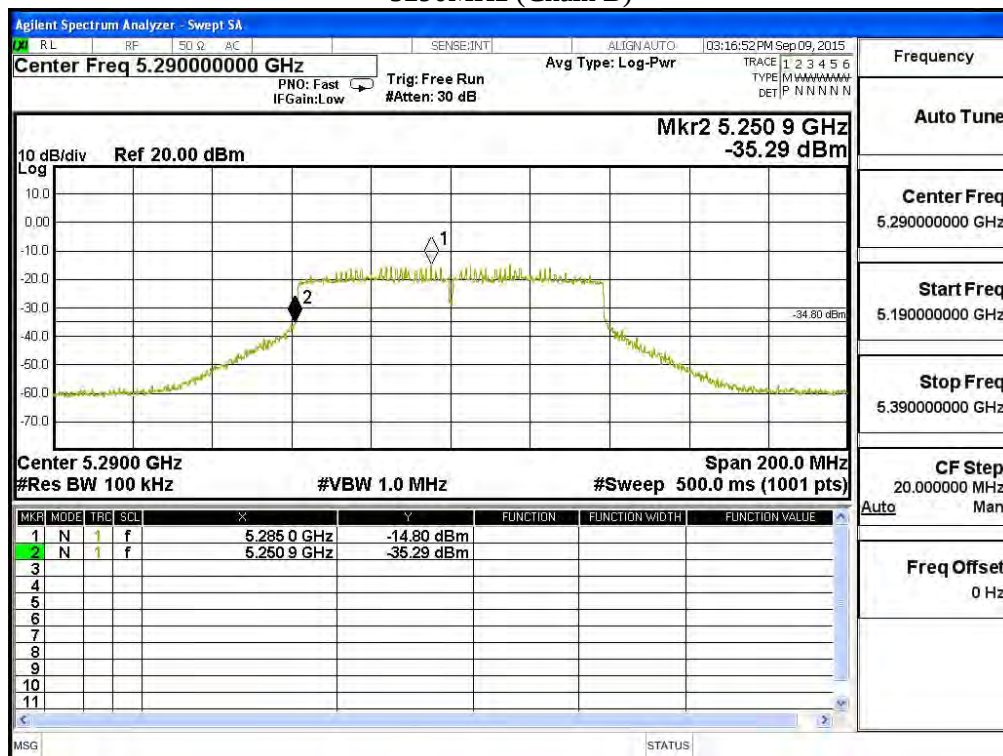
Product : 802.11 ac PCIe Module
Test Item : Band Edge Data
Test Site : No.3 OATS
Test Mode : Mode 30: Transmit (802.11ac-80BW-65Mbps)(Sector Antenna)

Test Frequency (MHz)	Chain	Measurement Level (20dB BW) (MHz)	Limit (MHz)	Result
5290	A	5250.70	>5250	PASS
5290	B	5250.90	>5250	PASS

5290MHz (Chain A)



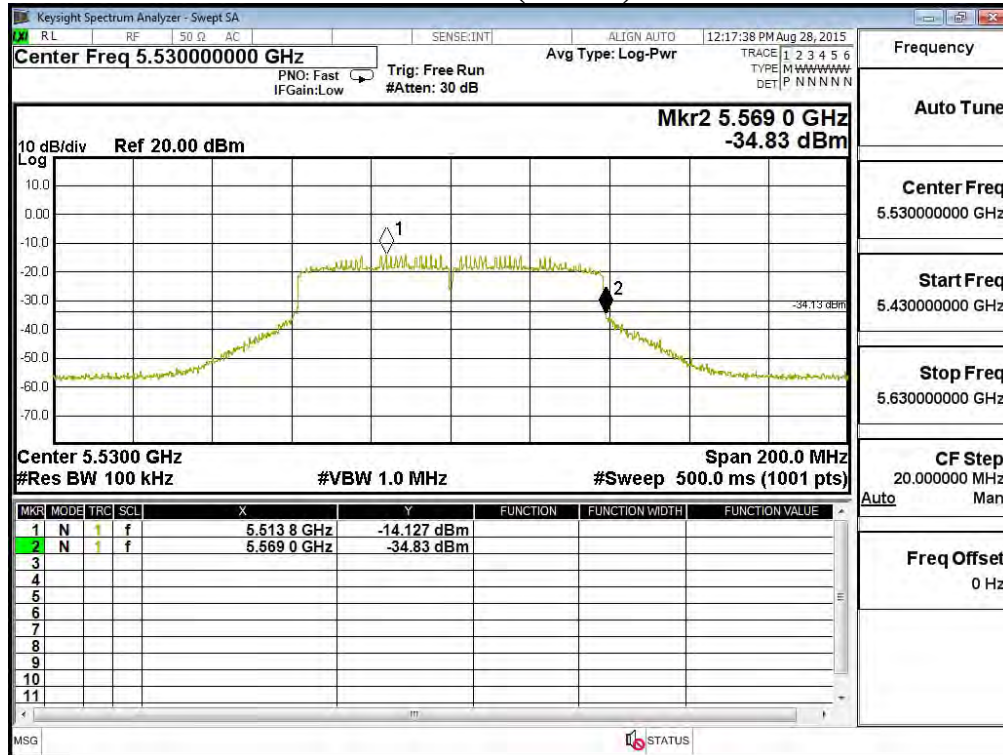
5290MHz (Chain B)



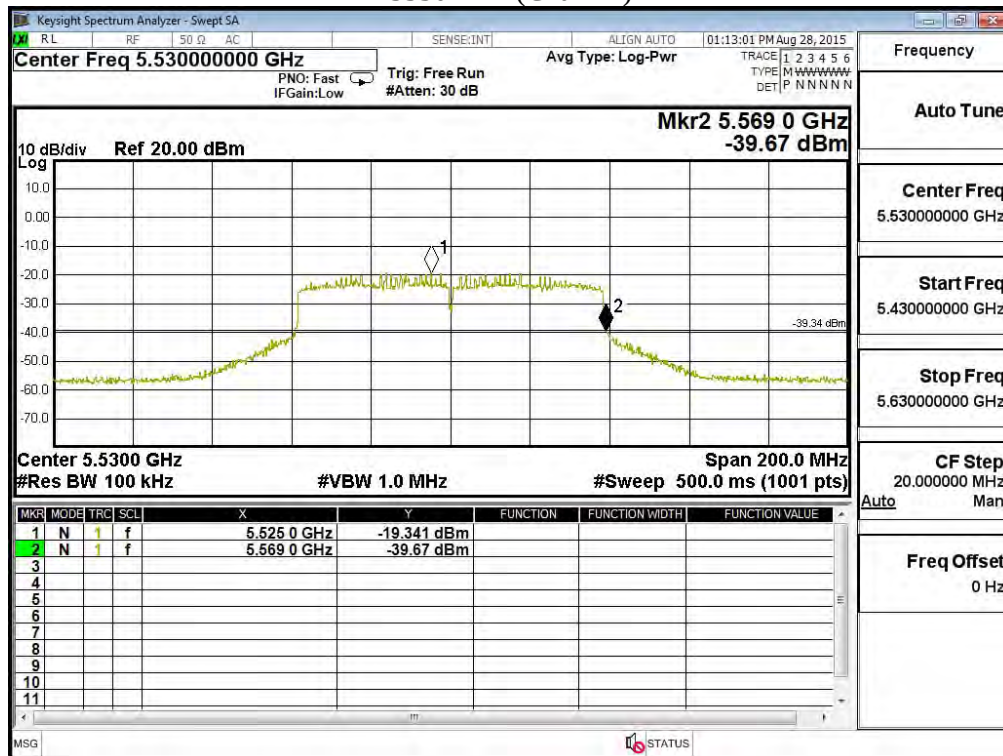
Product : 802.11 ac PCIe Module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Mode : Mode 30: Transmit (802.11ac-80BW-65Mbps)(Sector Antenna)

Test Frequency (MHz)	Chain	Measurement Level (20dB BW) (MHz)	Limit (MHz)	Result
5530	A	5569.00	<5600	PASS
5690		5650.60	>5650	PASS
5530	B	5569.00	<5600	PASS
5690		5650.80	>5650	PASS

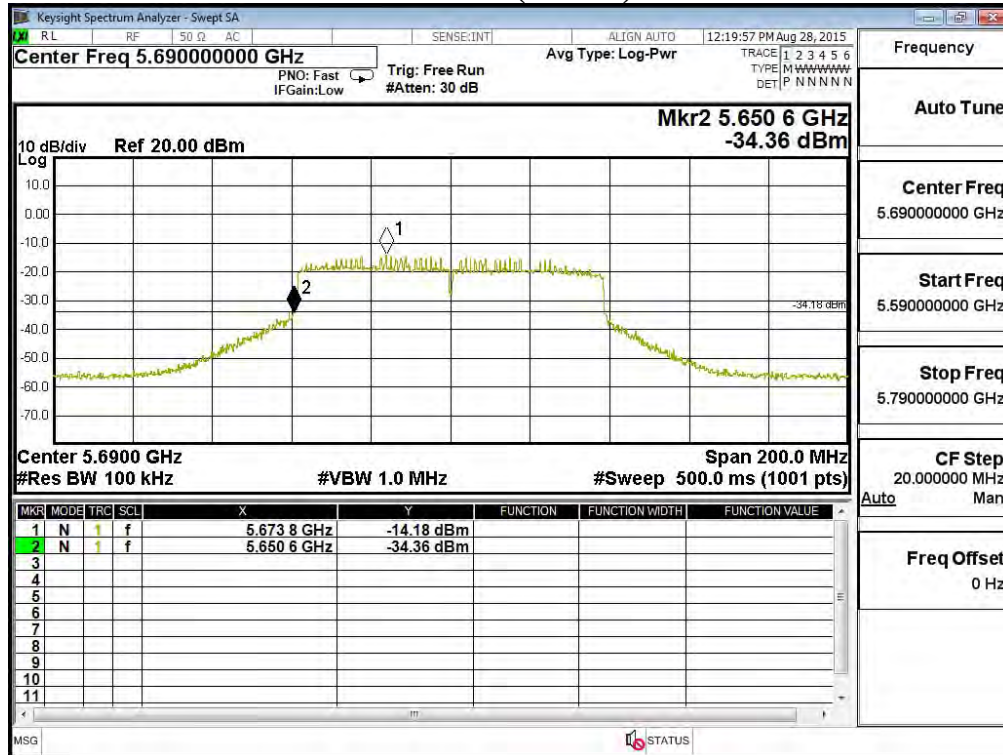
5530MHz (Chain A)



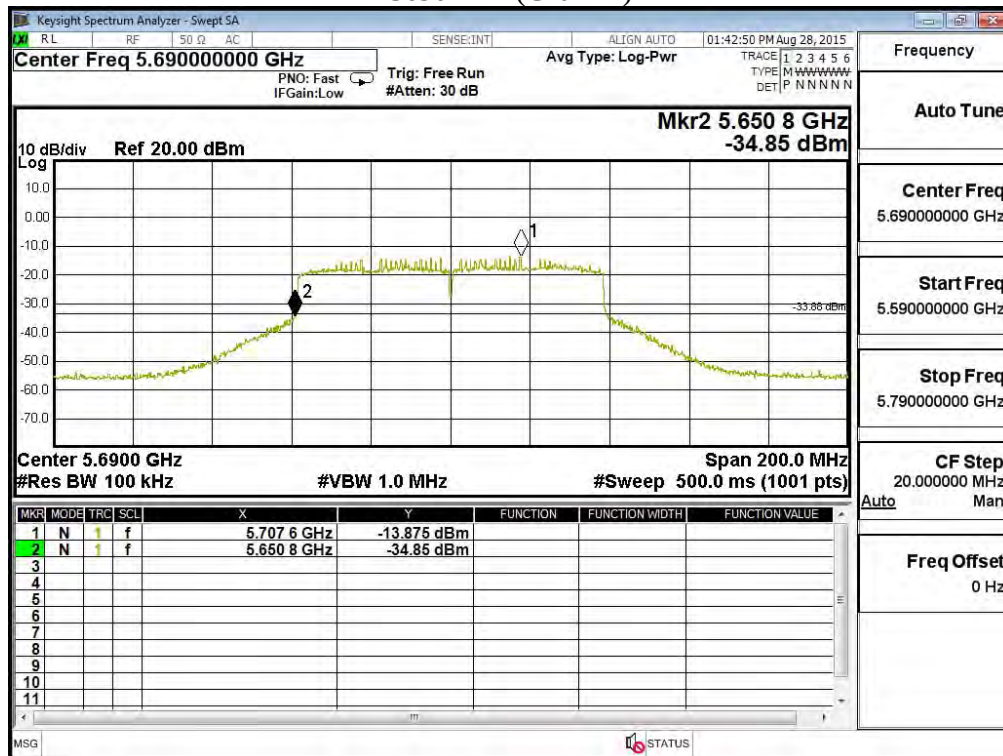
5530MHz (Chain B)



5690MHz (Chain A)



5690MHz (Chain B)



7. Frequency Stability

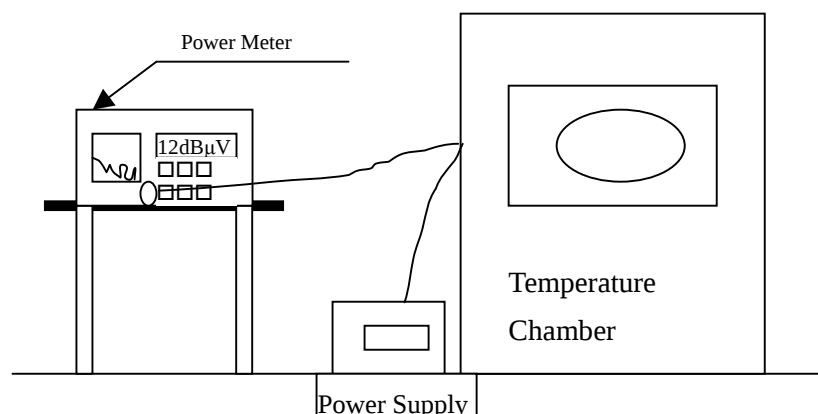
7.1. Test Equipment

	Equipment	Manufacturer	Model No./Serial No.	Last Cal.
	Spectrum Analyzer	R&S	FSP40 / 100170	Jun., 2015
	Spectrum Analyzer	Agilent	E4407B / US39440758	Jun., 2015
X	Spectrum Analyzer	Agilent	N9010A / MY48030495	Apr., 2015

Note:

1. All equipment is calibrated once a year or as required by manufacturer.
2. All equipment is calibrated to traceable calibration procedures.
3. The test instruments marked by "X" are used to measure the final test results.

7.2. Test Setup



7.3. Limits

Manufactures of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified

7.4. Test Procedure

The EUT was setup to ANSI C63.10, 2013; tested to UNII test procedure of FCC KDB-789033 for compliance to FCC 47CFR Subpart E requirements.

7.5. Uncertainty

± 150 Hz

7.6. Test Result of Frequency Stability

Product : 802.11 ac PCIe Module
Test Item : Frequency Stability
Test Site : Temperature Chamber
Test Mode : Carrier Wave (Dipole)

Chain A

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	ΔF (MHz)
Tmin (20) oC	Vmax (120)V	52	5260.0000	5260.0013	-0.0013
		54	5270.0000	5270.0018	-0.0018
		60	5300.0000	5300.0017	-0.0017
		62	5310.0000	5310.0015	-0.0015
		64	5320.0000	5320.0011	-0.0011
		100	5500.0000	5500.0012	-0.0012
		102	5510.0000	5510.0019	-0.0019
		110	5550.0000	5550.0011	-0.0011
		116	5580.0000	5580.0017	-0.0017
		134	5670.0000	5670.0017	-0.0017
		140	5700.0000	5700.0014	-0.0014

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	ΔF (MHz)
Tmin (50) oC	Vmax (138)V	52	5260.0000	5260.0015	-0.0015
		54	5270.0000	5270.0010	-0.0010
		60	5300.0000	5300.0012	-0.0012
		62	5310.0000	5310.0010	-0.0010
		64	5320.0000	5320.0013	-0.0013
		100	5500.0000	5500.0010	-0.0010
		102	5510.0000	5510.0012	-0.0012
		110	5550.0000	5550.0018	-0.0018
		116	5580.0000	5580.0010	-0.0010
		134	5670.0000	5670.0020	-0.0020
		140	5700.0000	5700.0010	-0.0010

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	ΔF (MHz)
Tmin (50) oC	Vmax (102)V	52	5260.0000	5260.0019	-0.0019
		54	5270.0000	5270.0016	-0.0016
		60	5300.0000	5300.0012	-0.0012
		62	5310.0000	5310.0013	-0.0013
		64	5320.0000	5320.0013	-0.0013
		100	5500.0000	5500.0015	-0.0015
		102	5510.0000	5510.0018	-0.0018
		110	5550.0000	5550.0015	-0.0015
		116	5580.0000	5580.0011	-0.0011
		134	5670.0000	5670.0011	-0.0011
		140	5700.0000	5700.0019	-0.0019

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	ΔF (MHz)
Tmin (-20) oC	Vmax (138)V	54	5260.0000	5260.0015	-0.0015
		60	5270.0000	5270.0013	-0.0013
		62	5300.0000	5300.0017	-0.0017
		64	5310.0000	5310.0019	-0.0019
		100	5320.0000	5320.0012	-0.0012
		102	5500.0000	5500.0015	-0.0015
		110	5510.0000	5510.0017	-0.0017
		116	5550.0000	5550.0020	-0.0020
		134	5580.0000	5580.0015	-0.0015
		140	5670.0000	5670.0017	-0.0017

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	ΔF (MHz)
Tmin (-20) oC	Vmax (102)V	52	5260.0000	5260.0015	-0.0015
		54	5270.0000	5270.0013	-0.0013
		60	5300.0000	5300.0017	-0.0017
		62	5310.0000	5310.0019	-0.0019
		64	5320.0000	5320.0012	-0.0012
		100	5500.0000	5500.0015	-0.0015
		102	5510.0000	5510.0017	-0.0017
		110	5550.0000	5550.0020	-0.0020
		116	5580.0000	5580.0015	-0.0015
		134	5670.0000	5670.0017	-0.0017
		140	5700.0000	5700.0019	-0.0019

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	$\triangle$ F (MHz)
Tmin (20) oC	Vmax (120)V	58	5290.0000	5290.0066	-0.0066
		106	5530.0000	5530.0012	-0.0012
		122	5610.0000	5610.0047	-0.0047
		138	5690.0000	5690.0045	-0.0045
		142	5710.0000	5710.0027	-0.0027
		144	5720.0000	5720.0085	-0.0085
Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	$\triangle$ F (MHz)
Tmin (50) oC	Vmax (138)V	58	5290.0000	5290.0040	-0.0040
		106	5530.0000	5530.0007	-0.0007
		122	5610.0000	5610.0082	-0.0082
		138	5690.0000	5690.0023	-0.0023
		142	5710.0000	5710.0039	-0.0039
		144	5720.0000	5720.0078	-0.0078
Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	$\triangle$ F (MHz)
Tmin (50) oC	Vmax (102)V	58	5290.0000	5290.0041	-0.0041
		106	5530.0000	5530.0069	-0.0069
		122	5610.0000	5610.0080	-0.0080
		138	5690.0000	5690.0057	-0.0057
		142	5710.0000	5710.0051	-0.0051
		144	5720.0000	5720.0042	-0.0042

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	$\triangle$ F (MHz)
Tmin (-20) oC	Vmax (138)V	58	5290.0000	5290.0023	-0.0023
		106	5530.0000	5530.0026	-0.0026
		122	5610.0000	5610.0012	-0.0012
		138	5690.0000	5690.0006	-0.0006
		142	5710.0000	5710.0037	-0.0037
		144	5720.0000	5720.0083	-0.0083
Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	$\triangle$ F (MHz)
Tmin (-20) oC	Vmax (102)V	58	5290.0000	5290.0022	-0.0022
		106	5530.0000	5530.0049	-0.0049
		122	5610.0000	5610.0058	-0.0058
		138	5690.0000	5690.0060	-0.0060
		142	5710.0000	5710.0024	-0.0024
		144	5720.0000	5720.0058	-0.0058

Chain B

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	ΔF (MHz)
Tmin (20) oC	Vmax (120)V	52	5260.0000	5260.0014	-0.0014
		54	5270.0000	5270.0012	-0.0012
		60	5300.0000	5300.0014	-0.0014
		62	5310.0000	5310.0014	-0.0014
		64	5320.0000	5320.0016	-0.0016
		100	5500.0000	5500.0016	-0.0016
		102	5510.0000	5510.0019	-0.0019
		110	5550.0000	5550.0015	-0.0015
		116	5580.0000	5580.0014	-0.0014
		134	5670.0000	5670.0011	-0.0011
		140	5700.0000	5700.0015	-0.0015

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	ΔF (MHz)
Tmin (50) oC	Vmax (138)V	52	5260.0000	5260.0010	-0.0010
		54	5270.0000	5270.0017	-0.0017
		60	5300.0000	5300.0019	-0.0019
		62	5310.0000	5310.0019	-0.0019
		64	5320.0000	5320.0018	-0.0018
		100	5500.0000	5500.0015	-0.0015
		102	5510.0000	5510.0020	-0.0020
		110	5550.0000	5550.0015	-0.0015
		116	5580.0000	5580.0015	-0.0015
		134	5670.0000	5670.0017	-0.0017
		140	5700.0000	5700.0011	-0.0011

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	ΔF (MHz)
Tmin (50) oC	Vmax (102)V	52	5260.0000	5260.0012	-0.0012
		54	5270.0000	5270.0015	-0.0015
		60	5300.0000	5300.0017	-0.0017
		62	5310.0000	5310.0015	-0.0015
		64	5320.0000	5320.0019	-0.0019
		100	5500.0000	5500.0016	-0.0016
		102	5510.0000	5510.0010	-0.0010
		110	5550.0000	5550.0019	-0.0019
		116	5580.0000	5580.0015	-0.0015
		134	5670.0000	5670.0018	-0.0018
		140	5700.0000	5700.0014	-0.0014

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	ΔF (MHz)
Tmin (-20) oC	Vmax (138)V	52	5260.0000	5260.0011	-0.0011
		54	5270.0000	5270.0010	-0.0010
		60	5300.0000	5300.0016	-0.0016
		62	5310.0000	5310.0018	-0.0018
		64	5320.0000	5320.0019	-0.0019
		100	5500.0000	5500.0010	-0.0010
		102	5510.0000	5510.0017	-0.0017
		110	5550.0000	5550.0011	-0.0011
		116	5580.0000	5580.0015	-0.0015
		134	5670.0000	5670.0013	-0.0013
		140	5700.0000	5700.0012	-0.0012

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	ΔF (MHz)
Tmin (-20) oC	Vmax (102)V	52	5260.0000	5260.0019	-0.0019
		54	5270.0000	5270.0011	-0.0011
		60	5300.0000	5300.0020	-0.0020
		62	5310.0000	5310.0019	-0.0019
		64	5320.0000	5320.0013	-0.0013
		100	5500.0000	5500.0012	-0.0012
		102	5510.0000	5510.0014	-0.0014
		110	5550.0000	5550.0011	-0.0011
		116	5580.0000	5580.0010	-0.0010
		134	5670.0000	5670.0012	-0.0012
		140	5700.0000	5700.0013	-0.0013

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	$\triangle$ F (MHz)
Tmin (20) oC	Vmax (120)V	58	5290.0000	5290.0004	-0.0004
		106	5530.0000	5530.0093	-0.0093
		122	5610.0000	5610.0057	-0.0057
		138	5690.0000	5690.0014	-0.0014
		142	5710.0000	5710.0098	-0.0098
		144	5720.0000	5720.0045	-0.0045
Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	$\triangle$ F (MHz)
Tmin (50) oC	Vmax (138)V	58	5290.0000	5290.0038	-0.0038
		106	5530.0000	5530.0098	-0.0098
		122	5610.0000	5610.0060	-0.0060
		138	5690.0000	5690.0018	-0.0018
		142	5710.0000	5710.0041	-0.0041
		144	5720.0000	5720.0091	-0.0091
Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	$\triangle$ F (MHz)
min (50) oC	Vmax (102)V	58	5290.0000	5290.0068	-0.0068
		106	5530.0000	5530.0049	-0.0049
		122	5610.0000	5610.0007	-0.0007
		138	5690.0000	5690.0045	-0.0045
		142	5710.0000	5710.0061	-0.0061
		144	5720.0000	5720.0001	-0.0001

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	$\triangle$ F (MHz)
Tmin (-20) oC	Vmax (138)V	58	5290.0000	5290.0068	-0.0068
		106	5530.0000	5530.0089	-0.0089
		102	5610.0000	5610.0086	-0.0086
		138	5690.0000	5690.0025	-0.0025
		142	5710.0000	5710.0085	-0.0085
		144	5720.0000	5720.0094	-0.0094
Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	$\triangle$ F (MHz)
Tmin (-20) oC	Vmax (102)V	58	5290.0000	5290.0012	-0.0012
		106	5530.0000	5530.0018	-0.0018
		102	5610.0000	5610.0083	-0.0083
		138	5690.0000	5690.0018	-0.0018
		142	5710.0000	5710.0067	-0.0067
		144	5720.0000	5720.0099	-0.0099

Product : 802.11 ac PCIe Module
Test Item : Frequency Stability
Test Site : Temperature Chamber
Test Mode : Carrier Wave (Dish)

Chain A

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	ΔF (MHz)
Tmin (20) oC	Vmax (120)V	52	5260.0000	5260.0014	-0.0014
		54	5270.0000	5270.0018	-0.0018
		60	5300.0000	5300.0017	-0.0017
		62	5310.0000	5310.0011	-0.0011
		64	5320.0000	5320.0018	-0.0018
		100	5500.0000	5500.0013	-0.0013
		102	5510.0000	5510.0011	-0.0011
		110	5550.0000	5550.0016	-0.0016
		116	5580.0000	5580.0012	-0.0012
		134	5670.0000	5670.0012	-0.0012
		140	5700.0000	5700.0013	-0.0013

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	ΔF (MHz)
Tmin (50) oC	Vmax (138)V	52	5260.0000	5260.0019	-0.0019
		54	5270.0000	5270.0015	-0.0015
		60	5300.0000	5300.0019	-0.0019
		62	5310.0000	5310.0011	-0.0011
		64	5320.0000	5320.0012	-0.0012
		100	5500.0000	5500.0012	-0.0012
		102	5510.0000	5510.0010	-0.0010
		110	5550.0000	5550.0010	-0.0010
		116	5580.0000	5580.0015	-0.0015
		134	5670.0000	5670.0014	-0.0014
		140	5700.0000	5700.0012	-0.0012

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	ΔF (MHz)
Tmin (50) oC	Vmax (102)V	52	5260.0000	5260.0018	-0.0018
		54	5270.0000	5270.0017	-0.0017
		60	5300.0000	5300.0015	-0.0015
		62	5310.0000	5310.0013	-0.0013
		64	5320.0000	5320.0012	-0.0012
		100	5500.0000	5500.0017	-0.0017
		102	5510.0000	5510.0016	-0.0016
		110	5550.0000	5550.0011	-0.0011
		116	5580.0000	5580.0015	-0.0015
		134	5670.0000	5670.0011	-0.0011
		140	5700.0000	5700.0016	-0.0016

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	ΔF (MHz)
Tmin (-20) oC	Vmax (102)V	54	5260.0000	5260.0019	-0.0019
		60	5270.0000	5270.0017	-0.0017
		62	5300.0000	5300.0016	-0.0016
		64	5310.0000	5310.0015	-0.0015
		100	5320.0000	5320.0011	-0.0011
		102	5500.0000	5500.0012	-0.0012
		110	5510.0000	5510.0018	-0.0018
		116	5550.0000	5550.0019	-0.0019
		134	5580.0000	5580.0019	-0.0019
		140	5670.0000	5670.0014	-0.0014

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	ΔF (MHz)
Tmin (-20) oC	Vmax (102)V	52	5260.0000	5260.0019	-0.0019
		54	5270.0000	5270.0017	-0.0017
		60	5300.0000	5300.0016	-0.0016
		62	5310.0000	5310.0015	-0.0015
		64	5320.0000	5320.0011	-0.0011
		100	5500.0000	5500.0012	-0.0012
		102	5510.0000	5510.0018	-0.0018
		110	5550.0000	5550.0019	-0.0019
		116	5580.0000	5580.0019	-0.0019
		134	5670.0000	5670.0014	-0.0014
		140	5700.0000	5700.0018	-0.0018

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	$\triangle$ F (MHz)
Tmin (20) oC	Vmax (120)V	58	5290.0000	5290.0062	-0.0062
		106	5530.0000	5530.0047	-0.0047
		122	5610.0000	5610.0067	-0.0067
		138	5690.0000	5690.0003	-0.0003
		142	5710.0000	5710.0096	-0.0096
		144	5720.0000	5720.0023	-0.0023
Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	$\triangle$ F (MHz)
Tmin (50) oC	Vmax (138)V	58	5290.0000	5290.0084	-0.0084
		106	5530.0000	5530.0038	-0.0038
		122	5610.0000	5610.0039	-0.0039
		138	5690.0000	5690.0021	-0.0021
		142	5710.0000	5710.0023	-0.0023
		144	5720.0000	5720.0041	-0.0041
Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	$\triangle$ F (MHz)
Tmin (50) oC	Vmax (102)V	58	5290.0000	5290.0098	-0.0098
		106	5530.0000	5530.0054	-0.0054
		122	5610.0000	5610.0010	-0.0010
		138	5690.0000	5690.0089	-0.0089
		142	5710.0000	5710.0049	-0.0049
		144	5720.0000	5720.0081	-0.0081

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	$\triangle$ F (MHz)
Tmin (-20) oC	Vmax (138)V	58	5290.0000	5290.0025	-0.0025
		106	5530.0000	5530.0006	-0.0006
		122	5610.0000	5610.0050	-0.0050
		138	5690.0000	5690.0097	-0.0097
		142	5710.0000	5710.0096	-0.0096
		144	5720.0000	5720.0062	-0.0062
Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	$\triangle$ F (MHz)
Tmin (-20) oC	Vmax (102)V	58	5290.0000	5290.0016	-0.0016
		106	5530.0000	5530.0086	-0.0086
		122	5610.0000	5610.0058	-0.0058
		138	5690.0000	5690.0049	-0.0049
		142	5710.0000	5710.0066	-0.0066
		144	5720.0000	5720.0029	-0.0029

Chain B

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	ΔF (MHz)
Tmin (20) oC	Vmax (120)V	52	5260.0000	5260.0019	-0.0019
		54	5270.0000	5270.0016	-0.0016
		60	5300.0000	5300.0015	-0.0015
		62	5310.0000	5310.0017	-0.0017
		64	5320.0000	5320.0010	-0.0010
		100	5500.0000	5500.0014	-0.0014
		102	5510.0000	5510.0012	-0.0012
		110	5550.0000	5550.0018	-0.0018
		116	5580.0000	5580.0013	-0.0013
		134	5670.0000	5670.0018	-0.0018
		140	5700.0000	5700.0013	-0.0013

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	ΔF (MHz)
Tmin (50) oC	Vmax (138)V	52	5260.0000	5260.0017	-0.0017
		54	5270.0000	5270.0011	-0.0011
		60	5300.0000	5300.0019	-0.0019
		62	5310.0000	5310.0016	-0.0016
		64	5320.0000	5320.0015	-0.0015
		100	5500.0000	5500.0019	-0.0019
		102	5510.0000	5510.0018	-0.0018
		110	5550.0000	5550.0014	-0.0014
		116	5580.0000	5580.0012	-0.0012
		134	5670.0000	5670.0013	-0.0013
		140	5700.0000	5700.0015	-0.0015

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	ΔF (MHz)
Tmin (50) oC	Vmax (102)V	52	5260.0000	5260.0012	-0.0012
		54	5270.0000	5270.0011	-0.0011
		60	5300.0000	5300.0013	-0.0013
		62	5310.0000	5310.0013	-0.0013
		64	5320.0000	5320.0020	-0.0020
		100	5500.0000	5500.0015	-0.0015
		102	5510.0000	5510.0015	-0.0015
		110	5550.0000	5550.0015	-0.0015
		116	5580.0000	5580.0013	-0.0013
		134	5670.0000	5670.0014	-0.0014
		140	5700.0000	5700.0011	-0.0011

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	ΔF (MHz)
Tmin (-20) oC	Vmax (120)V	52	5260.0000	5260.0011	-0.0011
		54	5270.0000	5270.0013	-0.0013
		60	5300.0000	5300.0014	-0.0014
		62	5310.0000	5310.0017	-0.0017
		64	5320.0000	5320.0011	-0.0011
		100	5500.0000	5500.0012	-0.0012
		102	5510.0000	5510.0014	-0.0014
		110	5550.0000	5550.0018	-0.0018
		116	5580.0000	5580.0017	-0.0017
		134	5670.0000	5670.0015	-0.0015
		140	5700.0000	5700.0014	-0.0014

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	ΔF (MHz)
Tmin (-20) oC	Vmax (102)V	52	5260.0000	5260.0013	-0.0013
		54	5270.0000	5270.0020	-0.0020
		60	5300.0000	5300.0019	-0.0019
		62	5310.0000	5310.0018	-0.0018
		64	5320.0000	5320.0014	-0.0014
		100	5500.0000	5500.0015	-0.0015
		102	5510.0000	5510.0012	-0.0012
		110	5550.0000	5550.0013	-0.0013
		116	5580.0000	5580.0014	-0.0014
		134	5670.0000	5670.0013	-0.0013
		140	5700.0000	5700.0012	-0.0012

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	$\triangle$ F (MHz)
Tmin (20) oC	Vmax (120)V	58	5290.0000	5290.0051	-0.0051
		106	5530.0000	5530.0019	-0.0019
		122	5610.0000	5610.0002	-0.0002
		138	5690.0000	5690.0017	-0.0017
		142	5710.0000	5710.0023	-0.0023
		144	5720.0000	5720.0052	-0.0052
Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	$\triangle$ F (MHz)
Tmin (50) oC	Vmax (138)V	58	5290.0000	5290.0042	-0.0042
		106	5530.0000	5530.0042	-0.0042
		122	5610.0000	5610.0040	-0.0040
		138	5690.0000	5690.0052	-0.0052
		142	5710.0000	5710.0066	-0.0066
		144	5720.0000	5720.0068	-0.0068
Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	$\triangle$ F (MHz)
Tmin (50) oC	Vmax (102)V	58	5290.0000	5290.0027	-0.0027
		106	5530.0000	5530.0026	-0.0026
		122	5610.0000	5610.0022	-0.0022
		138	5690.0000	5690.0068	-0.0068
		142	5710.0000	5710.0089	-0.0089
		144	5720.0000	5720.0086	-0.0086

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	$\triangle$ F (MHz)
Tmin (-20) oC	Vmax (138)V	58	5290.0000	5290.0005	-0.0005
		106	5530.0000	5530.0086	-0.0086
		122	5610.0000	5610.0080	-0.0080
		138	5690.0000	5690.0057	-0.0057
		142	5710.0000	5710.0088	-0.0088
		144	5720.0000	5720.0052	-0.0052
Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	$\triangle$ F (MHz)
Tmin (-20) oC	Vmax (102)V	58	5290.0000	5290.0005	-0.0005
		106	5530.0000	5530.0029	-0.0029
		122	5610.0000	5610.0089	-0.0089
		138	5690.0000	5690.0035	-0.0035
		142	5710.0000	5710.0041	-0.0041
		144	5720.0000	5720.0032	-0.0032

Product : 802.11 ac PCIe Module
Test Item : Frequency Stability
Test Site : Temperature Chamber
Test Mode : Carrier Wave (Omni)

Chain A

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	ΔF (MHz)
Tmin (20) oC	Vmax (120)V	52	5260.0000	5260.0014	-0.0014
		54	5270.0000	5270.0018	-0.0018
		60	5300.0000	5300.0011	-0.0011
		62	5310.0000	5310.0017	-0.0017
		64	5320.0000	5320.0010	-0.0010
		100	5500.0000	5500.0014	-0.0014
		102	5510.0000	5510.0010	-0.0010
		110	5550.0000	5550.0014	-0.0014
		116	5580.0000	5580.0019	-0.0019
		134	5670.0000	5670.0013	-0.0013
		140	5700.0000	5700.0014	-0.0014

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	ΔF (MHz)
Tmin (50) oC	Vmax (138)V	52	5260.0000	5260.0010	-0.0010
		54	5270.0000	5270.0019	-0.0019
		60	5300.0000	5300.0014	-0.0014
		62	5310.0000	5310.0010	-0.0010
		64	5320.0000	5320.0020	-0.0020
		100	5500.0000	5500.0016	-0.0016
		102	5510.0000	5510.0013	-0.0013
		110	5550.0000	5550.0020	-0.0020
		116	5580.0000	5580.0017	-0.0017
		134	5670.0000	5670.0016	-0.0016
		140	5700.0000	5700.0018	-0.0018

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	ΔF (MHz)
Tmin (50) oC	Vmax (102)V	52	5260.0000	5260.0012	-0.0012
		54	5270.0000	5270.0018	-0.0018
		60	5300.0000	5300.0013	-0.0013
		62	5310.0000	5310.0012	-0.0012
		64	5320.0000	5320.0012	-0.0012
		100	5500.0000	5500.0013	-0.0013
		102	5510.0000	5510.0018	-0.0018
		110	5550.0000	5550.0016	-0.0016
		116	5580.0000	5580.0011	-0.0011
		134	5670.0000	5670.0012	-0.0012
		140	5700.0000	5700.0011	-0.0011

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	ΔF (MHz)
Tmin (-20) oC	Vmax (138)V	54	5260.0000	5260.0011	-0.0011
		60	5270.0000	5270.0017	-0.0017
		62	5300.0000	5300.0020	-0.0020
		64	5310.0000	5310.0012	-0.0012
		100	5320.0000	5320.0017	-0.0017
		102	5500.0000	5500.0013	-0.0013
		110	5510.0000	5510.0019	-0.0019
		116	5550.0000	5550.0013	-0.0013
		134	5580.0000	5580.0012	-0.0012
		140	5670.0000	5670.0011	-0.0011

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	ΔF (MHz)
Tmin (-20) oC	Vmax (102)V	52	5260.0000	5260.0011	-0.0011
		54	5270.0000	5270.0017	-0.0017
		60	5300.0000	5300.0020	-0.0020
		62	5310.0000	5310.0012	-0.0012
		64	5320.0000	5320.0017	-0.0017
		100	5500.0000	5500.0013	-0.0013
		102	5510.0000	5510.0019	-0.0019
		110	5550.0000	5550.0013	-0.0013
		116	5580.0000	5580.0012	-0.0012
		134	5670.0000	5670.0011	-0.0011
		140	5700.0000	5700.0018	-0.0018

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	$\triangle F$ (MHz)
Tmin (20) oC	Vmax (120)V	58	5290.0000	5290.0062	-0.0062
		106	5530.0000	5530.0047	-0.0047
		122	5610.0000	5610.0047	-0.0047
		138	5690.0000	5690.0003	-0.0003
		142	5710.0000	5710.0096	-0.0096
		144	5720.0000	5720.0023	-0.0023
Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	$\triangle F$ (MHz)
Tmin (50) oC	Vmax (138)V	58	5290.0000	5290.0084	-0.0084
		106	5530.0000	5530.0038	-0.0038
		122	5610.0000	5610.0061	-0.0061
		138	5690.0000	5690.0021	-0.0021
		142	5710.0000	5710.0023	-0.0023
		144	5720.0000	5720.0041	-0.0041
Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	$\triangle F$ (MHz)
Tmin (50) oC	Vmax (102)V	58	5290.0000	5290.0098	-0.0098
		106	5530.0000	5530.0054	-0.0054
		122	5610.0000	5610.0065	-0.0065
		138	5690.0000	5690.0089	-0.0089
		142	5710.0000	5710.0049	-0.0049
		144	5720.0000	5720.0081	-0.0081

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	$\triangle$ F (MHz)
Tmin (-20) oC	Vmax (138)V	58	5290.0000	5290.0025	-0.0025
		106	5530.0000	5530.0006	-0.0006
		122	5610.0000	5610.0047	-0.0047
		138	5690.0000	5690.0097	-0.0097
		142	5710.0000	5710.0096	-0.0096
		144	5720.0000	5720.0062	-0.0062
Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	$\triangle$ F (MHz)
Tmin (-20) oC	Vmax (102)V	58	5290.0000	5290.0016	-0.0016
		106	5530.0000	5530.0086	-0.0086
		122	5610.0000	5610.0090	-0.0090
		138	5690.0000	5690.0049	-0.0049
		142	5710.0000	5710.0066	-0.0066
		144	5720.0000	5720.0029	-0.0029

Chain B

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	ΔF (MHz)
Tmin (20) oC	Vmax (120)V	52	5260.0000	5260.0017	-0.0017
		54	5270.0000	5270.0016	-0.0016
		60	5300.0000	5300.0014	-0.0014
		62	5310.0000	5310.0020	-0.0020
		64	5320.0000	5320.0020	-0.0020
		100	5500.0000	5500.0017	-0.0017
		102	5510.0000	5510.0011	-0.0011
		110	5550.0000	5550.0017	-0.0017
		116	5580.0000	5580.0014	-0.0014
		134	5670.0000	5670.0012	-0.0012
		140	5700.0000	5700.0013	-0.0013

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	ΔF (MHz)
Tmin (50) oC	Vmax (138)V	52	5260.0000	5260.0015	-0.0015
		54	5270.0000	5270.0015	-0.0015
		60	5300.0000	5300.0019	-0.0019
		62	5310.0000	5310.0016	-0.0016
		64	5320.0000	5320.0010	-0.0010
		100	5500.0000	5500.0010	-0.0010
		102	5510.0000	5510.0017	-0.0017
		110	5550.0000	5550.0019	-0.0019
		116	5580.0000	5580.0020	-0.0020
		134	5670.0000	5670.0012	-0.0012
		140	5700.0000	5700.0015	-0.0015

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	ΔF (MHz)
Tmin (50) oC	Vmax (102)V	52	5260.0000	5260.0014	-0.0014
		54	5270.0000	5270.0017	-0.0017
		60	5300.0000	5300.0015	-0.0015
		62	5310.0000	5310.0016	-0.0016
		64	5320.0000	5320.0018	-0.0018
		100	5500.0000	5500.0013	-0.0013
		102	5510.0000	5510.0017	-0.0017
		110	5550.0000	5550.0018	-0.0018
		116	5580.0000	5580.0015	-0.0015
		134	5670.0000	5670.0017	-0.0017
		140	5700.0000	5700.0013	-0.0013

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	ΔF (MHz)
Tmin (-20) oC	Vmax (138)V	52	5260.0000	5260.0014	-0.0014
		54	5270.0000	5270.0011	-0.0011
		60	5300.0000	5300.0011	-0.0011
		62	5310.0000	5310.0017	-0.0017
		64	5320.0000	5320.0016	-0.0016
		100	5500.0000	5500.0018	-0.0018
		102	5510.0000	5510.0010	-0.0010
		110	5550.0000	5550.0014	-0.0014
		116	5580.0000	5580.0012	-0.0012
		134	5670.0000	5670.0013	-0.0013
		140	5700.0000	5700.0011	-0.0011

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	ΔF (MHz)
Tmin (-20) oC	Vmax (102)V	52	5260.0000	5260.0019	-0.0019
		54	5270.0000	5270.0016	-0.0016
		60	5300.0000	5300.0019	-0.0019
		62	5310.0000	5310.0011	-0.0011
		64	5320.0000	5320.0013	-0.0013
		100	5500.0000	5500.0017	-0.0017
		102	5510.0000	5510.0011	-0.0011
		110	5550.0000	5550.0018	-0.0018
		116	5580.0000	5580.0011	-0.0011
		134	5670.0000	5670.0012	-0.0012
		140	5700.0000	5700.0015	-0.0015

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	$\triangle$ F (MHz)
Tmin (20) oC	Vmax (120)V	58	5290.0000	5290.0051	-0.0051
		106	5530.0000	5530.0019	-0.0019
		122	5610.0000	5610.0074	-0.0074
		138	5690.0000	5690.0017	-0.0017
		142	5710.0000	5710.0023	-0.0023
		144	5720.0000	5720.0052	-0.0052
Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	$\triangle$ F (MHz)
Tmin (50) oC	Vmax (138)V	58	5290.0000	5290.0042	-0.0042
		106	5530.0000	5530.0042	-0.0042
		122	5610.0000	5610.0078	-0.0078
		138	5690.0000	5690.0052	-0.0052
		142	5710.0000	5710.0066	-0.0066
		144	5720.0000	5720.0068	-0.0068
Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	$\triangle$ F (MHz)
Tmin (50) oC	Vmax (102)V	58	5290.0000	5290.0027	-0.0027
		106	5530.0000	5530.0026	-0.0026
		122	5610.0000	5610.0046	-0.0046
		138	5690.0000	5690.0068	-0.0068
		142	5710.0000	5710.0089	-0.0089
		144	5720.0000	5720.0086	-0.0086

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	$\triangle$ F (MHz)
Tmin (-20) oC	Vmax (138)V	58	5290.0000	5290.0005	-0.0005
		106	5530.0000	5530.0086	-0.0086
		122	5610.0000	5610.0035	-0.0035
		138	5690.0000	5690.0057	-0.0057
		142	5710.0000	5710.0088	-0.0088
		144	5720.0000	5720.0052	-0.0052
Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	$\triangle$ F (MHz)
Tmin (-20) oC	Vmax (102)V	58	5290.0000	5290.0005	-0.0005
		106	5530.0000	5530.0029	-0.0029
		122	5610.0000	5610.0029	-0.0029
		138	5690.0000	5690.0035	-0.0035
		142	5710.0000	5710.0041	-0.0041
		144	5720.0000	5720.0032	-0.0032

Product : 802.11 ac PCIe Module
Test Item : Frequency Stability
Test Site : Temperature Chamber
Test Mode : Carrier Wave (Panel)

Chain A

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	ΔF (MHz)
Tmin (20) oC	Vmax (120)V	52	5260.0000	5260.0019	-0.0019
		54	5270.0000	5270.0019	-0.0019
		60	5300.0000	5300.0018	-0.0018
		62	5310.0000	5310.0010	-0.0010
		64	5320.0000	5320.0015	-0.0015
		100	5500.0000	5500.0017	-0.0017
		102	5510.0000	5510.0017	-0.0017
		110	5550.0000	5550.0012	-0.0012
		116	5580.0000	5580.0010	-0.0010
		134	5670.0000	5670.0011	-0.0011
		140	5700.0000	5700.0019	-0.0019

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	ΔF (MHz)
Tmin (50) oC	Vmax (138)V	52	5260.0000	5260.0017	-0.0017
		54	5270.0000	5270.0018	-0.0018
		60	5300.0000	5300.0019	-0.0019
		62	5310.0000	5310.0019	-0.0019
		64	5320.0000	5320.0016	-0.0016
		100	5500.0000	5500.0014	-0.0014
		102	5510.0000	5510.0014	-0.0014
		110	5550.0000	5550.0013	-0.0013
		116	5580.0000	5580.0015	-0.0015
		134	5670.0000	5670.0011	-0.0011
		140	5700.0000	5700.0014	-0.0014

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	ΔF (MHz)
Tmin (50) oC	Vmax (102)V	52	5260.0000	5260.0012	-0.0012
		54	5270.0000	5270.0011	-0.0011
		60	5300.0000	5300.0017	-0.0017
		62	5310.0000	5310.0011	-0.0011
		64	5320.0000	5320.0013	-0.0013
		100	5500.0000	5500.0016	-0.0016
		102	5510.0000	5510.0012	-0.0012
		110	5550.0000	5550.0013	-0.0013
		116	5580.0000	5580.0015	-0.0015
		134	5670.0000	5670.0015	-0.0015
		140	5700.0000	5700.0018	-0.0018

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	ΔF (MHz)
Tmin (-20) oC	Vmax (138)V	54	5260.0000	5260.0013	-0.0013
		60	5270.0000	5270.0016	-0.0016
		62	5300.0000	5300.0015	-0.0015
		64	5310.0000	5310.0015	-0.0015
		100	5320.0000	5320.0013	-0.0013
		102	5500.0000	5500.0015	-0.0015
		110	5510.0000	5510.0011	-0.0011
		116	5550.0000	5550.0015	-0.0015
		134	5580.0000	5580.0013	-0.0013
		140	5670.0000	5670.0018	-0.0018

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	ΔF (MHz)
Tmin (-20) oC	Vmax (102)V	52	5260.0000	5260.0013	-0.0013
		54	5270.0000	5270.0016	-0.0016
		60	5300.0000	5300.0015	-0.0015
		62	5310.0000	5310.0015	-0.0015
		64	5320.0000	5320.0013	-0.0013
		100	5500.0000	5500.0015	-0.0015
		102	5510.0000	5510.0011	-0.0011
		110	5550.0000	5550.0015	-0.0015
		116	5580.0000	5580.0013	-0.0013
		134	5670.0000	5670.0018	-0.0018
		140	5700.0000	5700.0014	-0.0014

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	$\triangle$ F (MHz)
Tmin (20) oC	Vmax (120)V	58	5290.0000	5290.0062	-0.0062
		106	5530.0000	5530.0047	-0.0047
		122	5610.0000	5610.0067	-0.0067
		138	5690.0000	5690.0003	-0.0003
		142	5710.0000	5710.0096	-0.0096
		144	5720.0000	5720.0023	-0.0023
Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	$\triangle$ F (MHz)
Tmin (50) oC	Vmax (138)V	58	5290.0000	5290.0084	-0.0084
		106	5530.0000	5530.0038	-0.0038
		122	5610.0000	5610.0039	-0.0039
		138	5690.0000	5690.0021	-0.0021
		142	5710.0000	5710.0023	-0.0023
		144	5720.0000	5720.0041	-0.0041
Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	$\triangle$ F (MHz)
Tmin (50) oC	Vmax (102)V	58	5290.0000	5290.0098	-0.0098
		106	5530.0000	5530.0054	-0.0054
		122	5610.0000	5610.0010	-0.0010
		138	5690.0000	5690.0089	-0.0089
		142	5710.0000	5710.0049	-0.0049
		144	5720.0000	5720.0081	-0.0081

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	$\triangle$ F (MHz)
Tmin (-20) oC	Vmax (138)V	58	5290.0000	5290.0025	-0.0025
		106	5530.0000	5530.0006	-0.0006
		122	5610.0000	5610.0050	-0.0050
		138	5690.0000	5690.0097	-0.0097
		142	5710.0000	5710.0096	-0.0096
		144	5720.0000	5720.0062	-0.0062
Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	$\triangle$ F (MHz)
Tmin (-20) oC	Vmax (102)V	58	5290.0000	5290.0016	-0.0016
		106	5530.0000	5530.0086	-0.0086
		122	5610.0000	5610.0058	-0.0058
		138	5690.0000	5690.0049	-0.0049
		142	5710.0000	5710.0066	-0.0066
		144	5720.0000	5720.0029	-0.0029

Chain B

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	ΔF (MHz)
Tmin (20) oC	Vmax (120)V	52	5260.0000	5260.0020	-0.0020
		54	5270.0000	5270.0010	-0.0010
		60	5300.0000	5300.0019	-0.0019
		62	5310.0000	5310.0012	-0.0012
		64	5320.0000	5320.0011	-0.0011
		100	5500.0000	5500.0011	-0.0011
		102	5510.0000	5510.0011	-0.0011
		110	5550.0000	5550.0019	-0.0019
		116	5580.0000	5580.0018	-0.0018
		134	5670.0000	5670.0014	-0.0014
		140	5700.0000	5700.0019	-0.0019

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	ΔF (MHz)
Tmin (50) oC	Vmax (138)V	52	5260.0000	5260.0011	-0.0011
		54	5270.0000	5270.0013	-0.0013
		60	5300.0000	5300.0019	-0.0019
		62	5310.0000	5310.0011	-0.0011
		64	5320.0000	5320.0016	-0.0016
		100	5500.0000	5500.0019	-0.0019
		102	5510.0000	5510.0014	-0.0014
		110	5550.0000	5550.0016	-0.0016
		116	5580.0000	5580.0018	-0.0018
		134	5670.0000	5670.0015	-0.0015
		140	5700.0000	5700.0017	-0.0017

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	ΔF (MHz)
Tmin (50) oC	Vmax (102)V	52	5260.0000	5260.0012	-0.0012
		54	5270.0000	5270.0012	-0.0012
		60	5300.0000	5300.0015	-0.0015
		62	5310.0000	5310.0010	-0.0010
		64	5320.0000	5320.0011	-0.0011
		100	5500.0000	5500.0012	-0.0012
		102	5510.0000	5510.0012	-0.0012
		110	5550.0000	5550.0015	-0.0015
		116	5580.0000	5580.0019	-0.0019
		134	5670.0000	5670.0011	-0.0011
		140	5700.0000	5700.0011	-0.0011

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	ΔF (MHz)
Tmin (-20) oC	Vmax (138)V	52	5260.0000	5260.0016	-0.0016
		54	5270.0000	5270.0016	-0.0016
		60	5300.0000	5300.0018	-0.0018
		62	5310.0000	5310.0010	-0.0010
		64	5320.0000	5320.0012	-0.0012
		100	5500.0000	5500.0012	-0.0012
		102	5510.0000	5510.0012	-0.0012
		110	5550.0000	5550.0011	-0.0011
		116	5580.0000	5580.0015	-0.0015
		134	5670.0000	5670.0016	-0.0016
		140	5700.0000	5700.0012	-0.0012

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	ΔF (MHz)
Tmin (-20) oC	Vmax (102)V	52	5260.0000	5260.0020	-0.0020
		54	5270.0000	5270.0019	-0.0019
		60	5300.0000	5300.0016	-0.0016
		62	5310.0000	5310.0010	-0.0010
		64	5320.0000	5320.0014	-0.0014
		100	5500.0000	5500.0015	-0.0015
		102	5510.0000	5510.0011	-0.0011
		110	5550.0000	5550.0012	-0.0012
		116	5580.0000	5580.0016	-0.0016
		134	5670.0000	5670.0018	-0.0018
		140	5700.0000	5700.0018	-0.0018

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	$\triangle$ F (MHz)
Tmin (20) oC	Vmax (120)V	58	5290.0000	5290.0051	-0.0051
		106	5530.0000	5530.0019	-0.0019
		122	5610.0000	5610.0002	-0.0002
		138	5690.0000	5690.0017	-0.0017
		142	5710.0000	5710.0023	-0.0023
		144	5720.0000	5720.0052	-0.0052
Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	$\triangle$ F (MHz)
Tmin (50) oC	Vmax (138)V	58	5290.0000	5290.0042	-0.0042
		106	5530.0000	5530.0042	-0.0042
		122	5610.0000	5610.0040	-0.0040
		138	5690.0000	5690.0052	-0.0052
		142	5710.0000	5710.0066	-0.0066
		144	5720.0000	5720.0068	-0.0068
Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	$\triangle$ F (MHz)
Tmin (50) oC	Vmax (102)V	58	5290.0000	5290.0027	-0.0027
		106	5530.0000	5530.0026	-0.0026
		122	5610.0000	5610.0022	-0.0022
		138	5690.0000	5690.0068	-0.0068
		142	5710.0000	5710.0089	-0.0089
		144	5720.0000	5720.0086	-0.0086

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	$\triangle$ F (MHz)
Tmin (-20) oC	Vmax (138)V	58	5290.0000	5290.0005	-0.0005
		106	5530.0000	5530.0086	-0.0086
		122	5610.0000	5610.0080	-0.0080
		138	5690.0000	5690.0057	-0.0057
		142	5710.0000	5710.0088	-0.0088
		144	5720.0000	5720.0052	-0.0052
Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	$\triangle$ F (MHz)
Tmin (-20) oC	Vmax (102)V	58	5290.0000	5290.0005	-0.0005
		106	5530.0000	5530.0029	-0.0029
		122	5610.0000	5610.0089	-0.0089
		138	5690.0000	5690.0035	-0.0035
		142	5710.0000	5710.0041	-0.0041
		144	5720.0000	5720.0032	-0.0032

Product : 802.11 ac PCIe Module
Test Item : Frequency Stability
Test Site : Temperature Chamber
Test Mode : Carrier Wave (Sector)

Chain A

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	ΔF (MHz)
Tmin (20) oC	Vmax (120)V	52	5260.0000	5260.0018	-0.0018
		54	5270.0000	5270.0015	-0.0015
		60	5300.0000	5300.0019	-0.0019
		62	5310.0000	5310.0018	-0.0018
		64	5320.0000	5320.0012	-0.0012
		100	5500.0000	5500.0019	-0.0019
		102	5510.0000	5510.0011	-0.0011
		110	5550.0000	5550.0014	-0.0014
		116	5580.0000	5580.0011	-0.0011
		134	5670.0000	5670.0015	-0.0015
		140	5700.0000	5700.0011	-0.0011

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	ΔF (MHz)
Tmin (50) oC	Vmax (138)V	52	5260.0000	5260.0015	-0.0015
		54	5270.0000	5270.0017	-0.0017
		60	5300.0000	5300.0017	-0.0017
		62	5310.0000	5310.0017	-0.0017
		64	5320.0000	5320.0019	-0.0019
		100	5500.0000	5500.0019	-0.0019
		102	5510.0000	5510.0016	-0.0016
		110	5550.0000	5550.0011	-0.0011
		116	5580.0000	5580.0014	-0.0014
		134	5670.0000	5670.0015	-0.0015
		140	5700.0000	5700.0017	-0.0017

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	ΔF (MHz)
Tmin (50) oC	Vmax (102)V	52	5260.0000	5260.0013	-0.0013
		54	5270.0000	5270.0020	-0.0020
		60	5300.0000	5300.0017	-0.0017
		62	5310.0000	5310.0018	-0.0018
		64	5320.0000	5320.0015	-0.0015
		100	5500.0000	5500.0016	-0.0016
		102	5510.0000	5510.0011	-0.0011
		110	5550.0000	5550.0017	-0.0017
		116	5580.0000	5580.0010	-0.0010
		134	5670.0000	5670.0017	-0.0017
		140	5700.0000	5700.0019	-0.0019

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	ΔF (MHz)
Tmin (-20) oC	Vmax (138)V	54	5260.0000	5260.0014	-0.0014
		60	5270.0000	5270.0013	-0.0013
		62	5300.0000	5300.0017	-0.0017
		64	5310.0000	5310.0010	-0.0010
		100	5320.0000	5320.0014	-0.0014
		102	5500.0000	5500.0015	-0.0015
		110	5510.0000	5510.0018	-0.0018
		116	5550.0000	5550.0015	-0.0015
		134	5580.0000	5580.0012	-0.0012
		140	5670.0000	5670.0017	-0.0017

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	ΔF (MHz)
Tmin (-20) oC	Vmax (102)V	52	5260.0000	5260.0014	-0.0014
		54	5270.0000	5270.0013	-0.0013
		60	5300.0000	5300.0017	-0.0017
		62	5310.0000	5310.0010	-0.0010
		64	5320.0000	5320.0014	-0.0014
		100	5500.0000	5500.0015	-0.0015
		102	5510.0000	5510.0018	-0.0018
		110	5550.0000	5550.0015	-0.0015
		116	5580.0000	5580.0012	-0.0012
		134	5670.0000	5670.0017	-0.0017
		140	5700.0000	5700.0019	-0.0019

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	$\triangle$ F (MHz)
Tmin (20) oC	Vmax (120)V	58	5290.0000	5290.0062	-0.0062
		106	5530.0000	5530.0047	-0.0047
		122	5610.0000	5610.0047	-0.0047
		138	5690.0000	5690.0003	-0.0003
		142	5710.0000	5710.0096	-0.0096
		144	5720.0000	5720.0023	-0.0023
Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	$\triangle$ F (MHz)
Tmin (50) oC	Vmax (138)V	58	5290.0000	5290.0084	-0.0084
		106	5530.0000	5530.0038	-0.0038
		122	5610.0000	5610.0020	-0.0020
		138	5690.0000	5690.0021	-0.0021
		142	5710.0000	5710.0023	-0.0023
		144	5720.0000	5720.0041	-0.0041
Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	$\triangle$ F (MHz)
Tmin (50) oC	Vmax (102)V	58	5290.0000	5290.0098	-0.0098
		106	5530.0000	5530.0054	-0.0054
		122	5610.0000	5610.0066	-0.0066
		138	5690.0000	5690.0089	-0.0089
		142	5710.0000	5710.0049	-0.0049
		144	5720.0000	5720.0081	-0.0081

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	$\triangle$ F (MHz)
Tmin (-20) oC	Vmax (138)V	58	5290.0000	5290.0025	-0.0025
		106	5530.0000	5530.0006	-0.0006
		122	5610.0000	5610.0067	-0.0067
		138	5690.0000	5690.0097	-0.0097
		142	5710.0000	5710.0096	-0.0096
		144	5720.0000	5720.0062	-0.0062
Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	$\triangle$ F (MHz)
Tmin (-20) oC	Vmax (102)V	58	5290.0000	5290.0016	-0.0016
		106	5530.0000	5530.0086	-0.0086
		122	5610.0000	5610.0021	-0.0021
		138	5690.0000	5690.0049	-0.0049
		142	5710.0000	5710.0066	-0.0066
		144	5720.0000	5720.0029	-0.0029

Chain B

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	ΔF (MHz)
Tmin (20) oC	Vmax (120)V	52	5260.0000	5260.0015	-0.0015
		54	5270.0000	5270.0016	-0.0016
		60	5300.0000	5300.0014	-0.0014
		62	5310.0000	5310.0016	-0.0016
		64	5320.0000	5320.0012	-0.0012
		100	5500.0000	5500.0013	-0.0013
		102	5510.0000	5510.0019	-0.0019
		110	5550.0000	5550.0016	-0.0016
		116	5580.0000	5580.0016	-0.0016
		134	5670.0000	5670.0015	-0.0015
		140	5700.0000	5700.0018	-0.0018

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	ΔF (MHz)
Tmin (50) oC	Vmax (138)V	52	5260.0000	5260.0012	-0.0012
		54	5270.0000	5270.0016	-0.0016
		60	5300.0000	5300.0013	-0.0013
		62	5310.0000	5310.0017	-0.0017
		64	5320.0000	5320.0017	-0.0017
		100	5500.0000	5500.0016	-0.0016
		102	5510.0000	5510.0011	-0.0011
		110	5550.0000	5550.0016	-0.0016
		116	5580.0000	5580.0012	-0.0012
		134	5670.0000	5670.0014	-0.0014
		140	5700.0000	5700.0013	-0.0013

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	ΔF (MHz)
Tmin (50) oC	Vmax (102)V	52	5260.0000	5260.0013	-0.0013
		54	5270.0000	5270.0011	-0.0011
		60	5300.0000	5300.0015	-0.0015
		62	5310.0000	5310.0017	-0.0017
		64	5320.0000	5320.0015	-0.0015
		100	5500.0000	5500.0015	-0.0015
		102	5510.0000	5510.0014	-0.0014
		110	5550.0000	5550.0013	-0.0013
		116	5580.0000	5580.0011	-0.0011
		134	5670.0000	5670.0013	-0.0013
		140	5700.0000	5700.0012	-0.0012

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	ΔF (MHz)
Tmin (-20) oC	Vmax (138)V	52	5260.0000	5260.0019	-0.0019
		54	5270.0000	5270.0015	-0.0015
		60	5300.0000	5300.0014	-0.0014
		62	5310.0000	5310.0020	-0.0020
		64	5320.0000	5320.0013	-0.0013
		100	5500.0000	5500.0013	-0.0013
		102	5510.0000	5510.0011	-0.0011
		110	5550.0000	5550.0014	-0.0014
		116	5580.0000	5580.0015	-0.0015
		134	5670.0000	5670.0015	-0.0015
		140	5700.0000	5700.0019	-0.0019

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	ΔF (MHz)
Tmin (-20) oC	Vmax (102)V	52	5260.0000	5260.0017	-0.0017
		54	5270.0000	5270.0012	-0.0012
		60	5300.0000	5300.0018	-0.0018
		62	5310.0000	5310.0012	-0.0012
		64	5320.0000	5320.0018	-0.0018
		100	5500.0000	5500.0013	-0.0013
		102	5510.0000	5510.0011	-0.0011
		110	5550.0000	5550.0014	-0.0014
		116	5580.0000	5580.0014	-0.0014
		134	5670.0000	5670.0017	-0.0017
		140	5700.0000	5700.0012	-0.0012

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	$\triangle$ F (MHz)
Tmin (20) oC	Vmax (120)V	58	5290.0000	5290.0051	-0.0051
		106	5530.0000	5530.0019	-0.0019
		122	5610.0000	5610.0062	-0.0062
		138	5690.0000	5690.0017	-0.0017
		142	5710.0000	5710.0023	-0.0023
		144	5720.0000	5720.0052	-0.0052
Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	$\triangle$ F (MHz)
Tmin (50) oC	Vmax (138)V	58	5290.0000	5290.0042	-0.0042
		106	5530.0000	5530.0042	-0.0042
		122	5610.0000	5610.0072	-0.0072
		138	5690.0000	5690.0052	-0.0052
		142	5710.0000	5710.0066	-0.0066
		144	5720.0000	5720.0068	-0.0068
Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	$\triangle$ F (MHz)
Tmin (50) oC	Vmax (102)V	58	5290.0000	5290.0027	-0.0027
		106	5530.0000	5530.0026	-0.0026
		122	5610.0000	5610.0032	-0.0032
		138	5690.0000	5690.0068	-0.0068
		142	5710.0000	5710.0089	-0.0089
		144	5720.0000	5720.0086	-0.0086

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	$\triangle$ F (MHz)
Tmin (-20) oC	Vmax (138)V	58	5290.0000	5290.0005	-0.0005
		106	5530.0000	5530.0086	-0.0086
		122	5610.0000	5610.0099	-0.0099
		138	5690.0000	5690.0057	-0.0057
		142	5710.0000	5710.0088	-0.0088
		144	5720.0000	5720.0052	-0.0052
Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	$\triangle$ F (MHz)
Tmin (-20) oC	Vmax (102)V	58	5290.0000	5290.0005	-0.0005
		106	5530.0000	5530.0029	-0.0029
		122	5610.0000	5610.0066	-0.0066
		138	5690.0000	5690.0035	-0.0035
		142	5710.0000	5710.0041	-0.0041
		144	5720.0000	5720.0032	-0.0032