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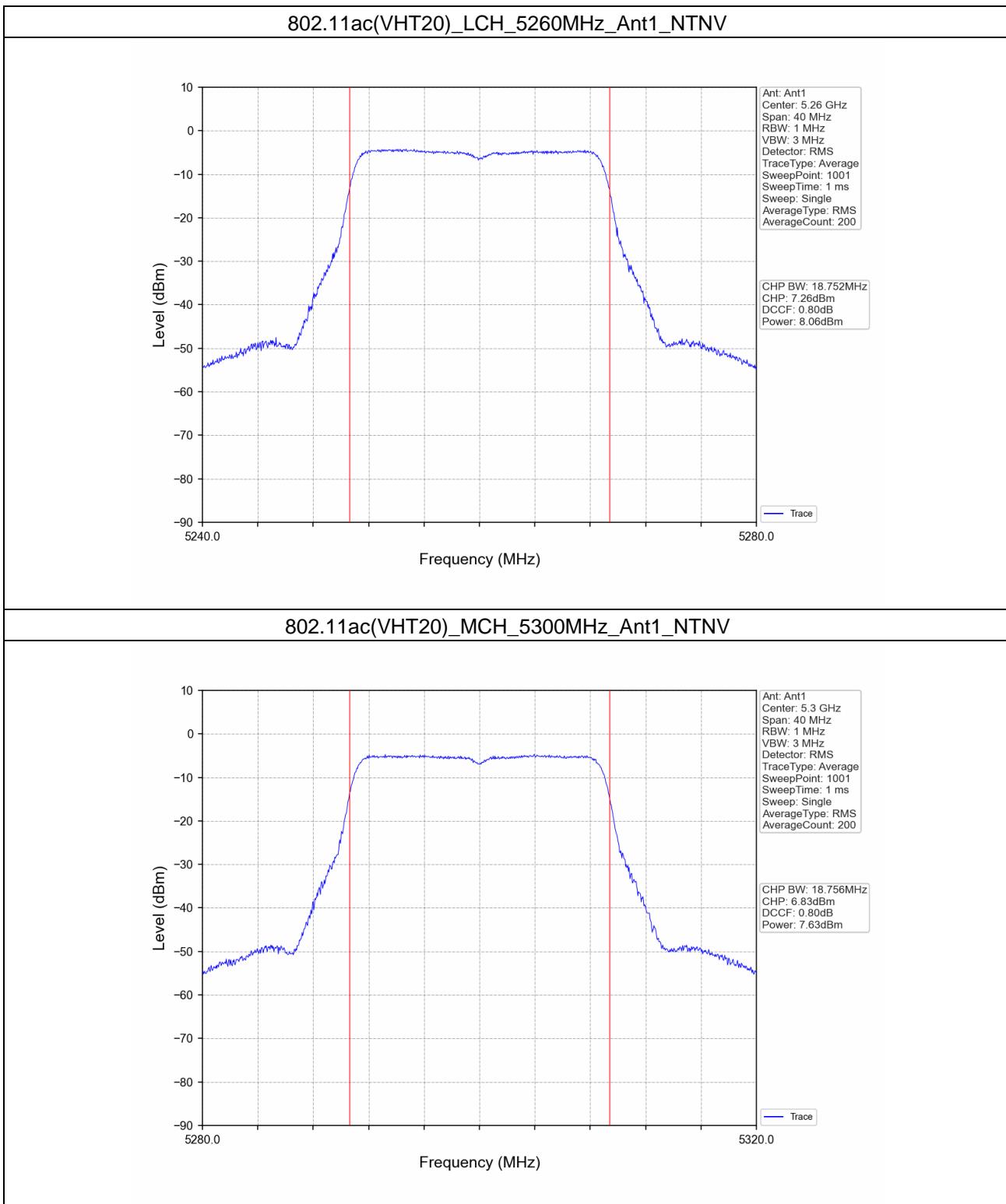
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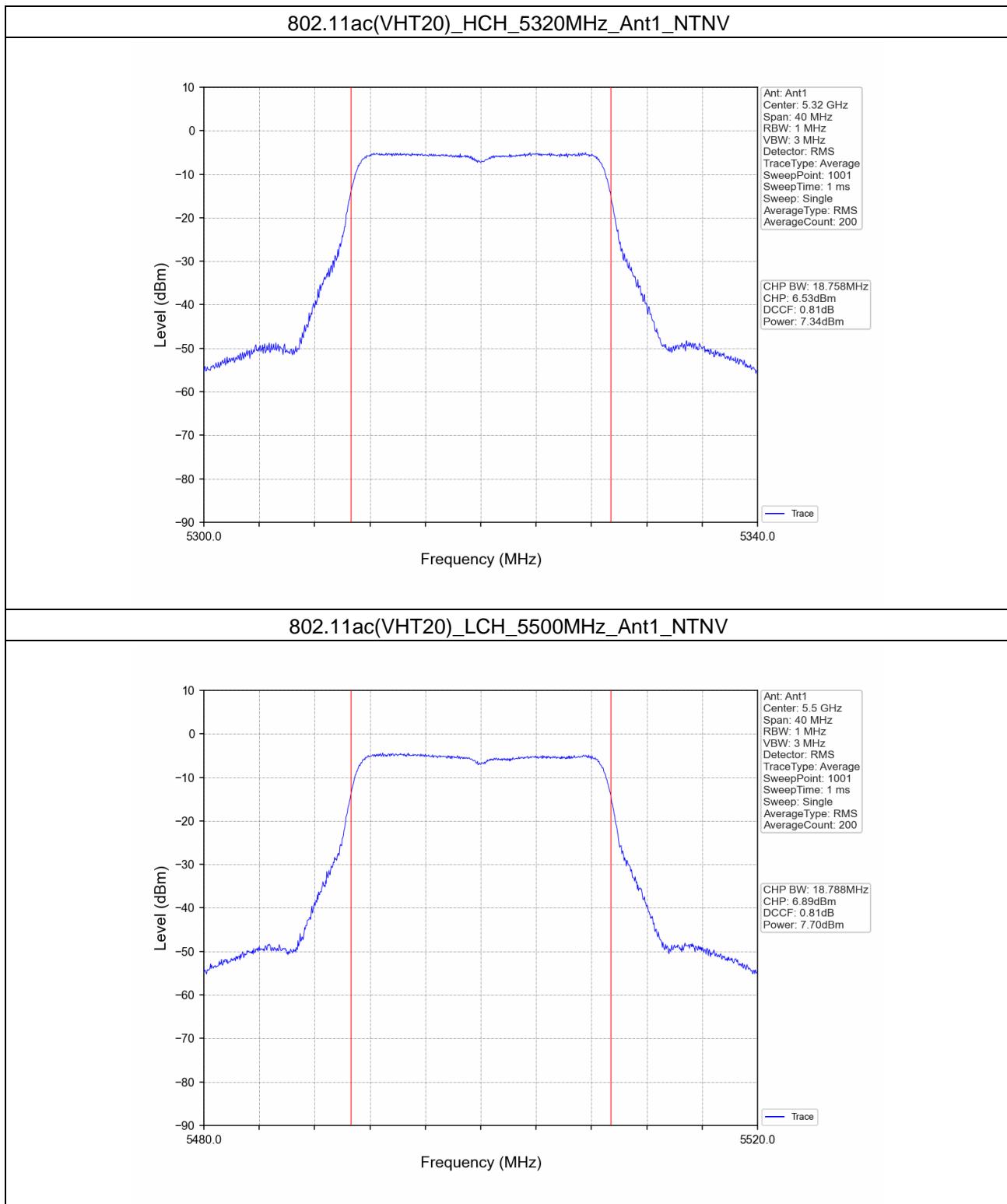
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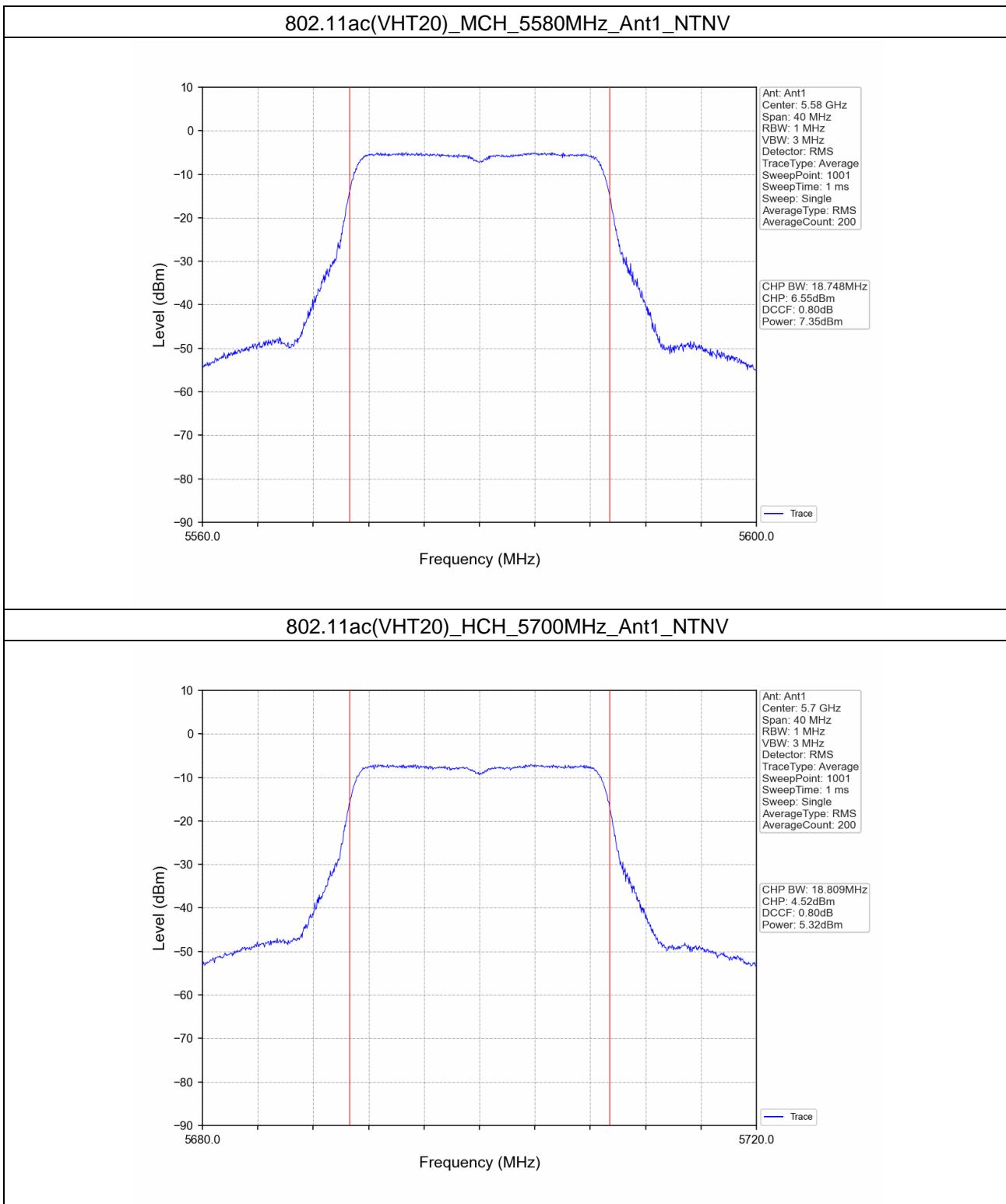
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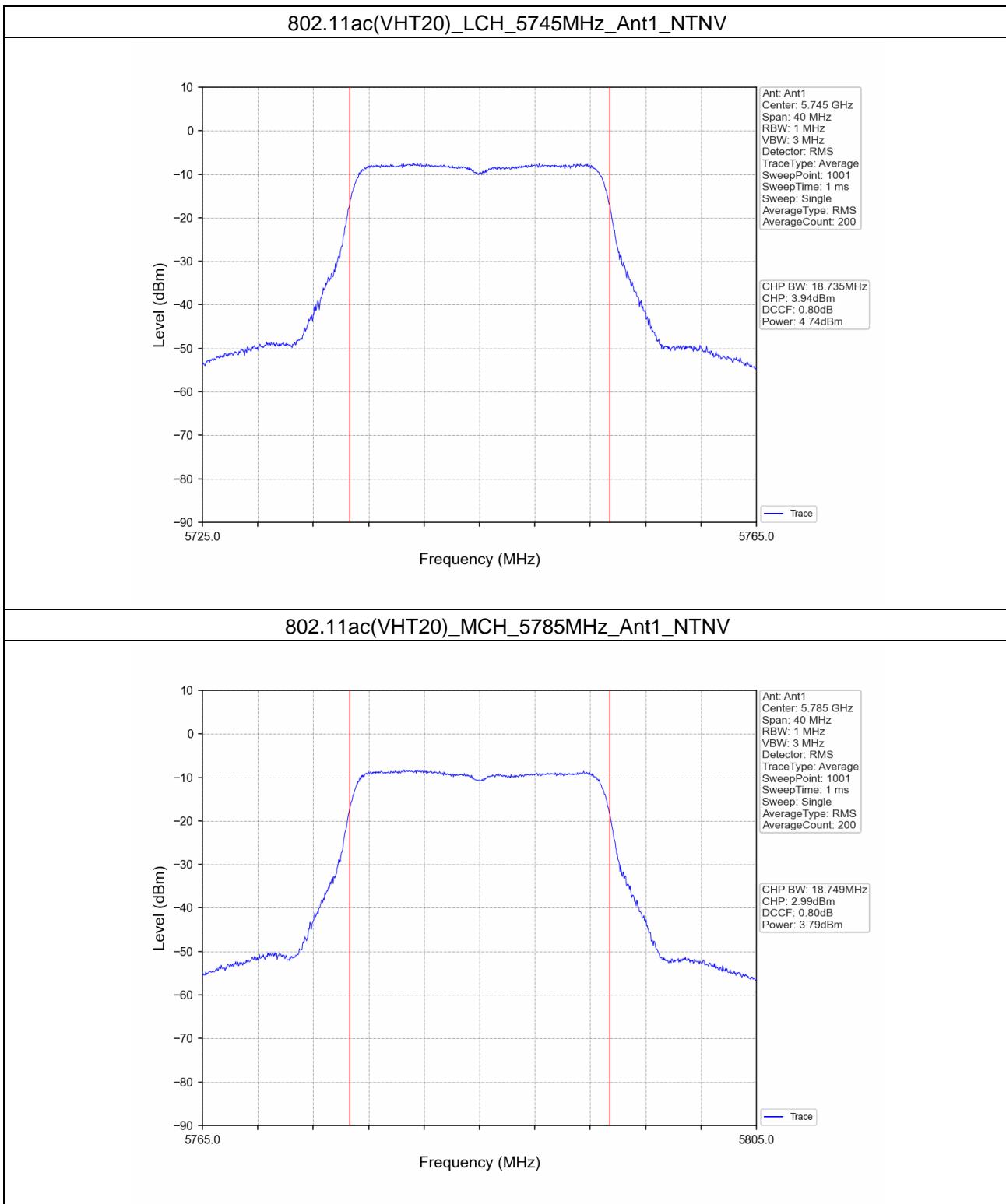
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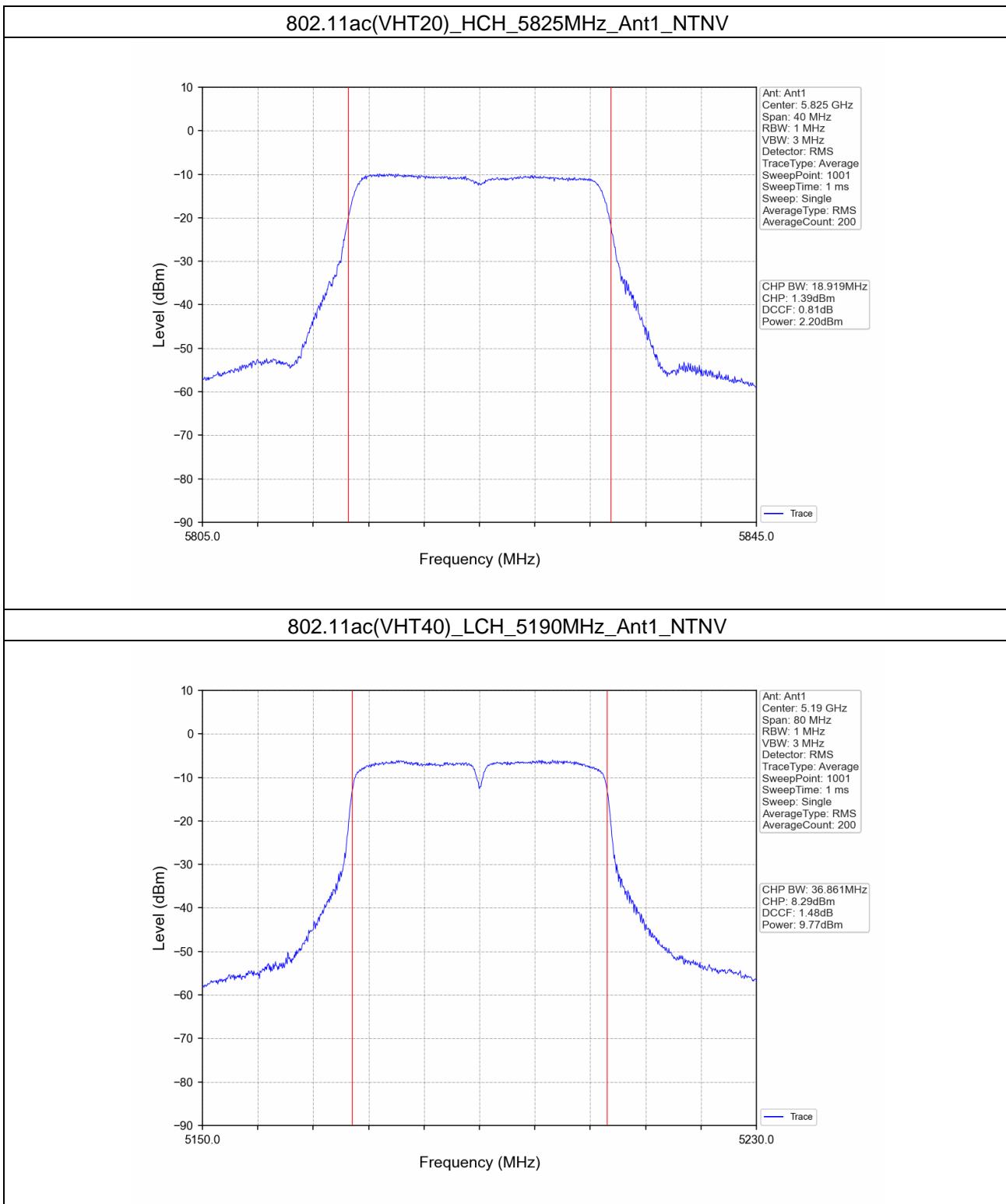
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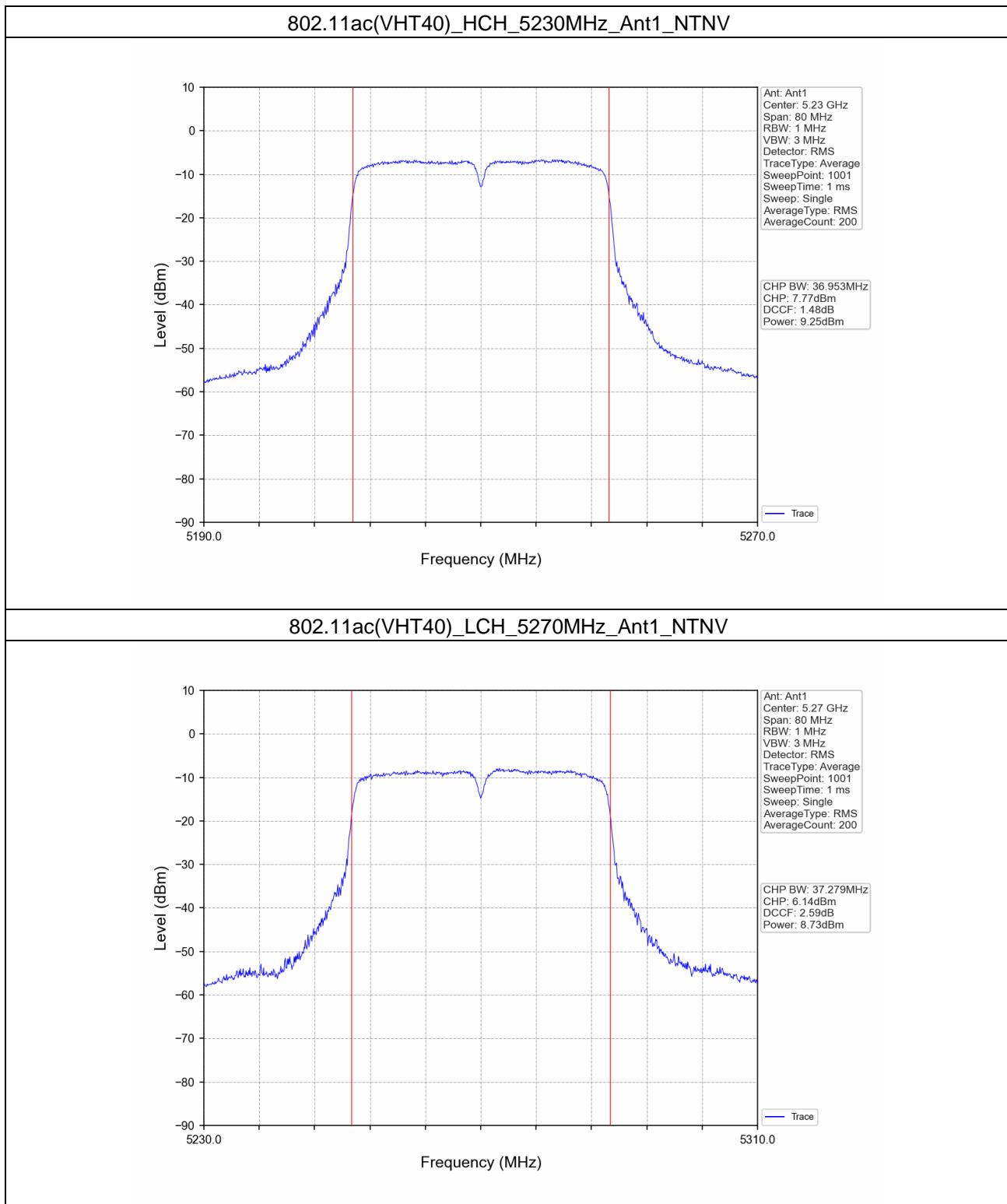
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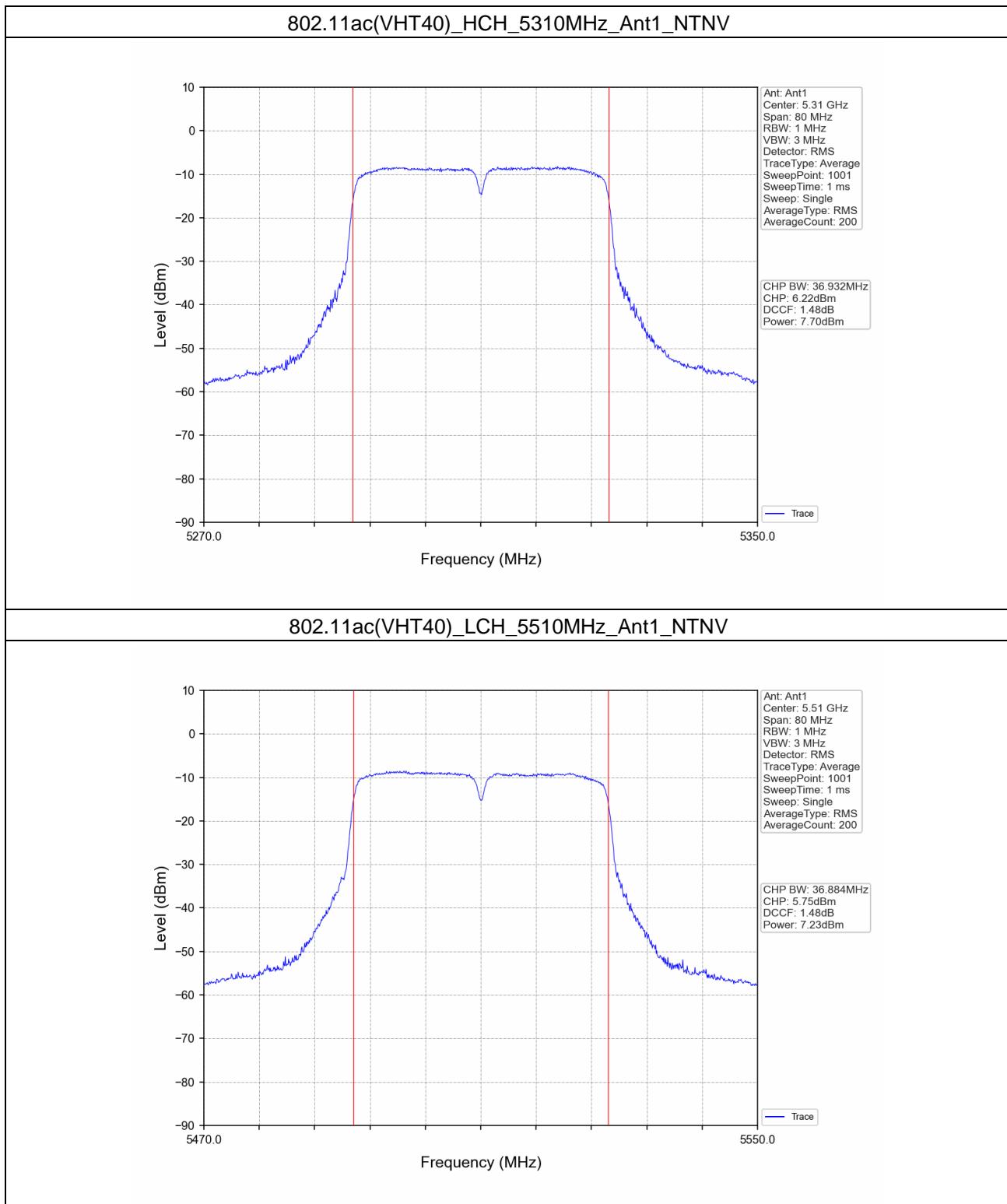
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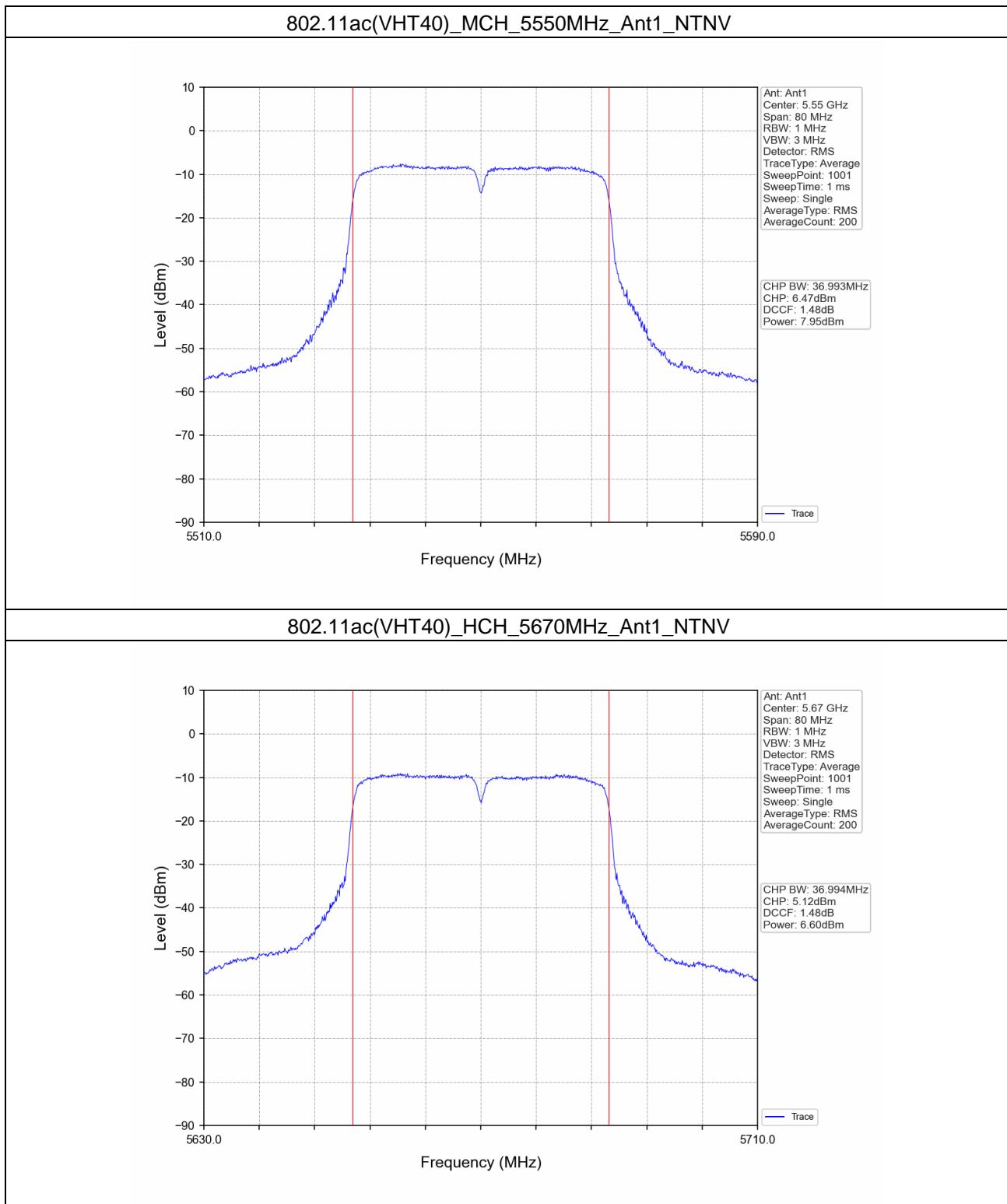
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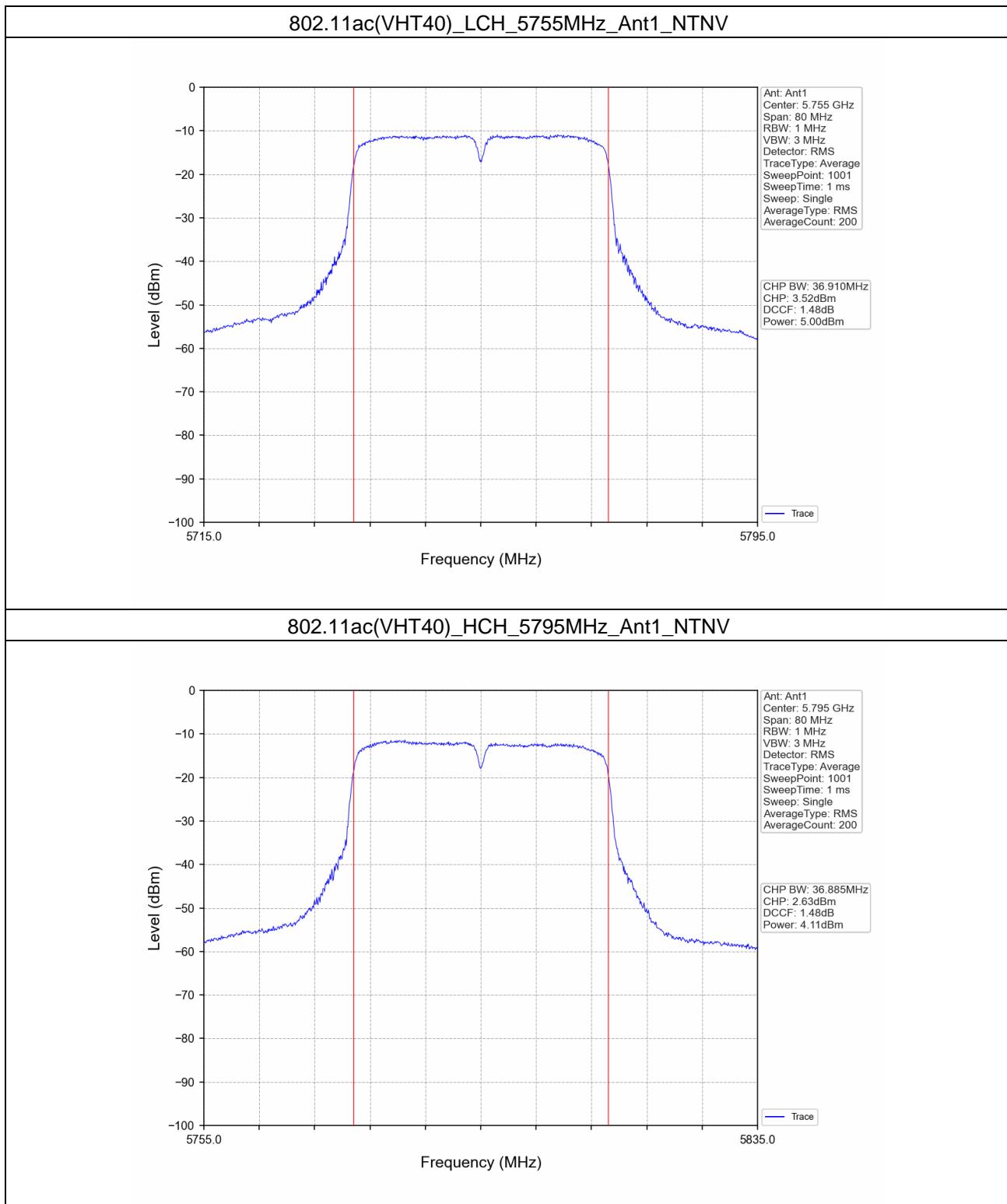
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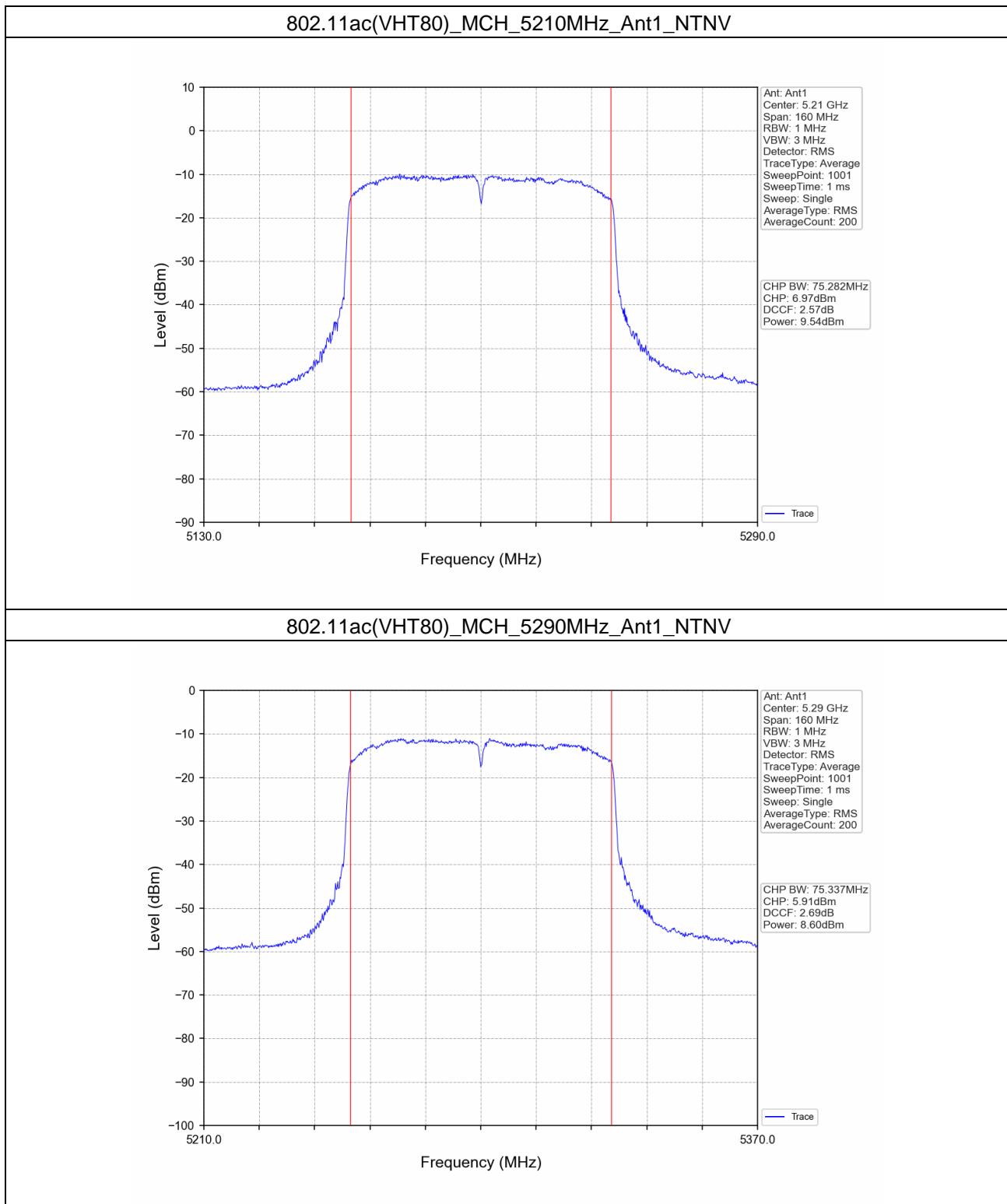


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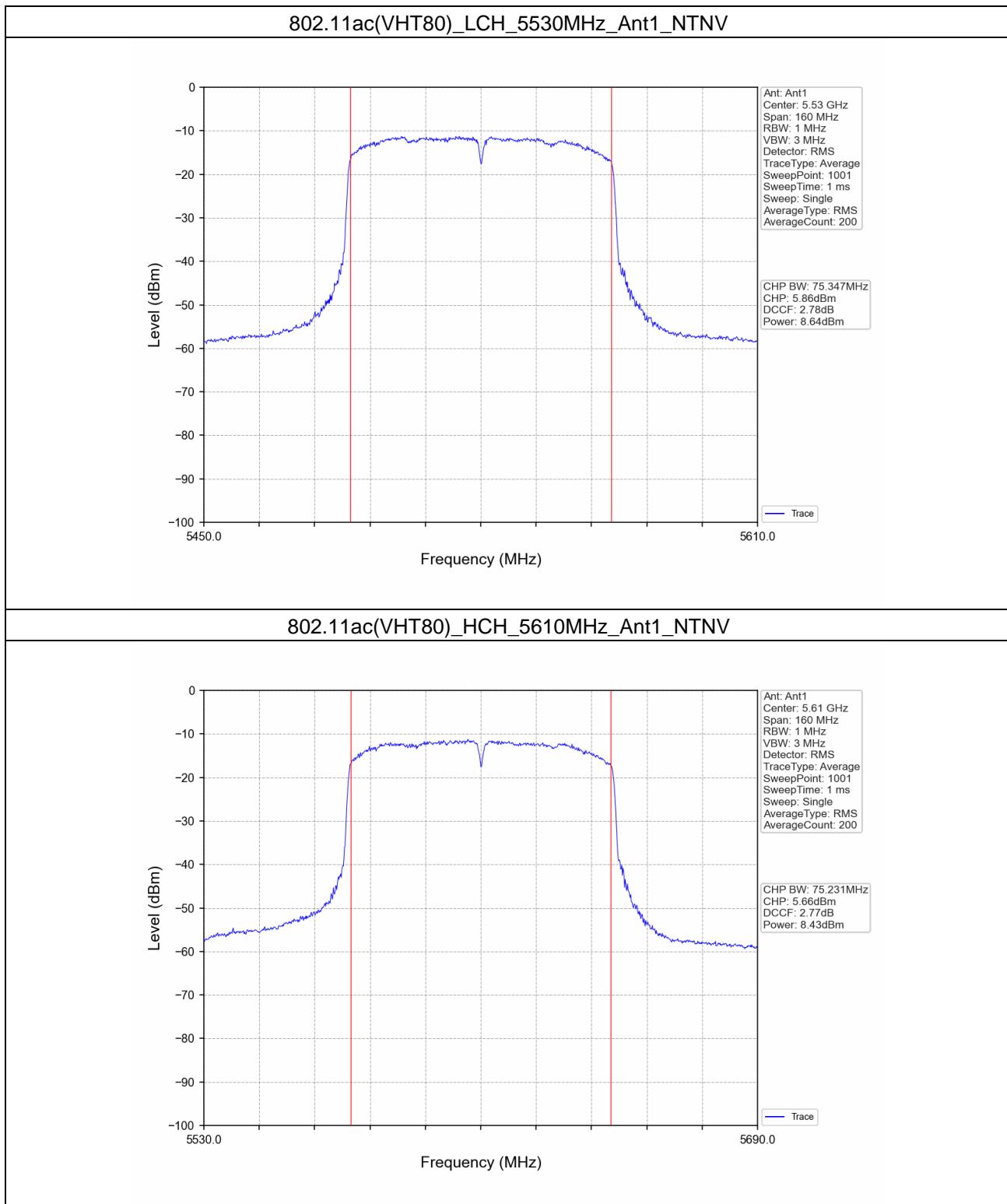
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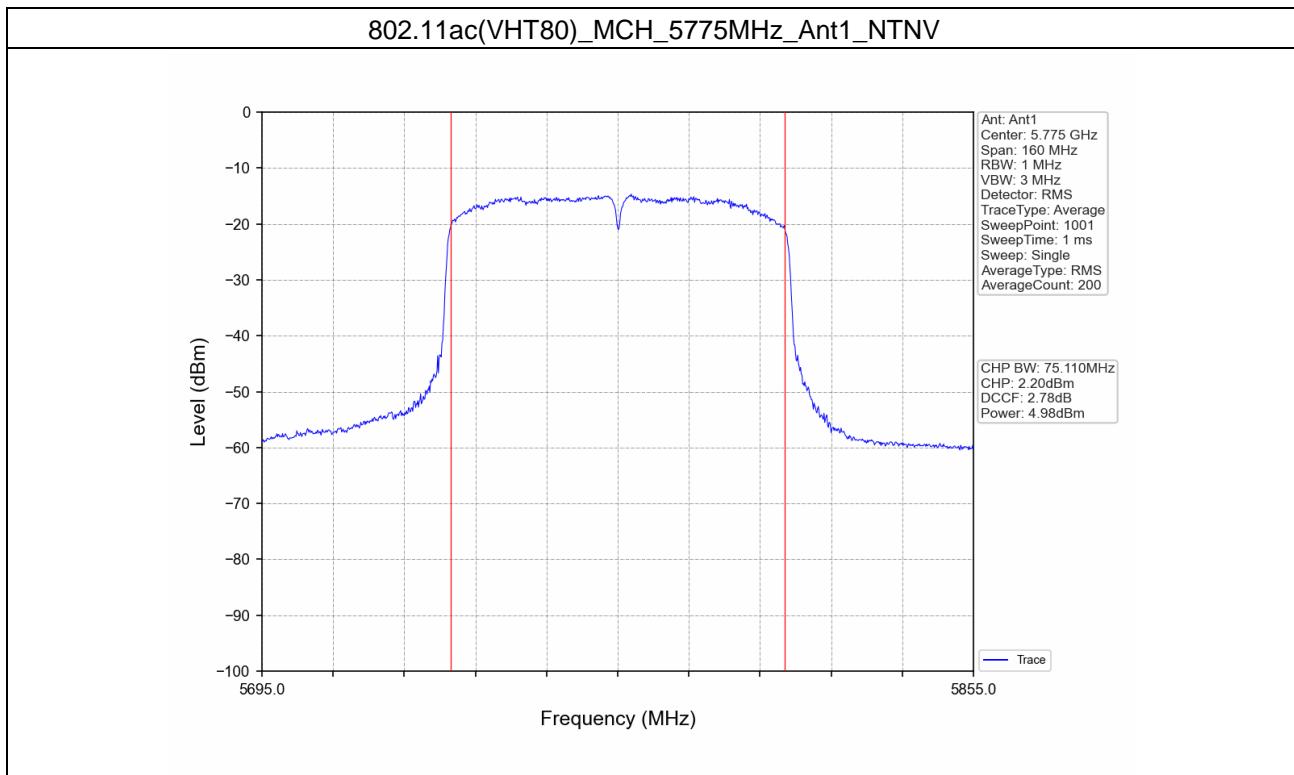


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## 4. Maximum Power Spectral Density

### 4.1 E.I.R.PSD

#### 4.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/MHz)		Verdict
			Ant1	Limit	
802.11a	SISO	5180	-0.98	<=11	Pass
		5200	-1.34	<=11	Pass
		5240	-1.60	<=11	Pass
		5260	-2.05	<=11	Pass
		5300	-2.41	<=11	Pass
		5320	-2.66	<=11	Pass
		5500	-2.46	<=11	Pass
		5580	-2.95	<=11	Pass
		5700	-5.00	<=11	Pass
802.11n (HT20)	SISO	5180	-2.04	<=11	Pass
		5200	-2.44	<=11	Pass
		5240	-3.06	<=11	Pass
		5260	-3.20	<=11	Pass
		5300	-3.96	<=11	Pass
		5320	-3.93	<=11	Pass
		5500	-3.96	<=11	Pass
		5580	-4.21	<=11	Pass
		5700	-6.11	<=11	Pass
802.11n (HT40)	SISO	5190	-4.77	<=11	Pass
		5230	-4.87	<=11	Pass
		5270	-6.00	<=11	Pass
		5310	-6.23	<=11	Pass
		5510	-5.86	<=11	Pass
		5550	-6.02	<=11	Pass
		5670	-7.68	<=11	Pass
802.11ac (VHT20)	SISO	5180	-2.19	<=11	Pass
		5200	-2.40	<=11	Pass
		5240	-3.02	<=11	Pass
		5260	-3.30	<=11	Pass
		5300	-3.89	<=11	Pass
		5320	-4.06	<=11	Pass
		5500	-3.75	<=11	Pass
		5580	-4.31	<=11	Pass
		5700	-6.19	<=11	Pass
802.11ac	SISO	5190	-4.50	<=11	Pass

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(VHT40)		5230	-5.07	<=11	Pass
		5270	-5.10	<=11	Pass
		5310	-6.68	<=11	Pass
		5510	-6.46	<=11	Pass
		5550	-6.28	<=11	Pass
		5670	-7.42	<=11	Pass
802.11ac (VHT80)	SISO	5210	-7.37	<=11	Pass
		5290	-8.61	<=11	Pass
		5530	-8.09	<=11	Pass
		5610	-8.52	<=11	Pass

Note1: Antenna Gain:

UNII Band I/UNII Band II-A/UNII Band II-C: 2.5dBi

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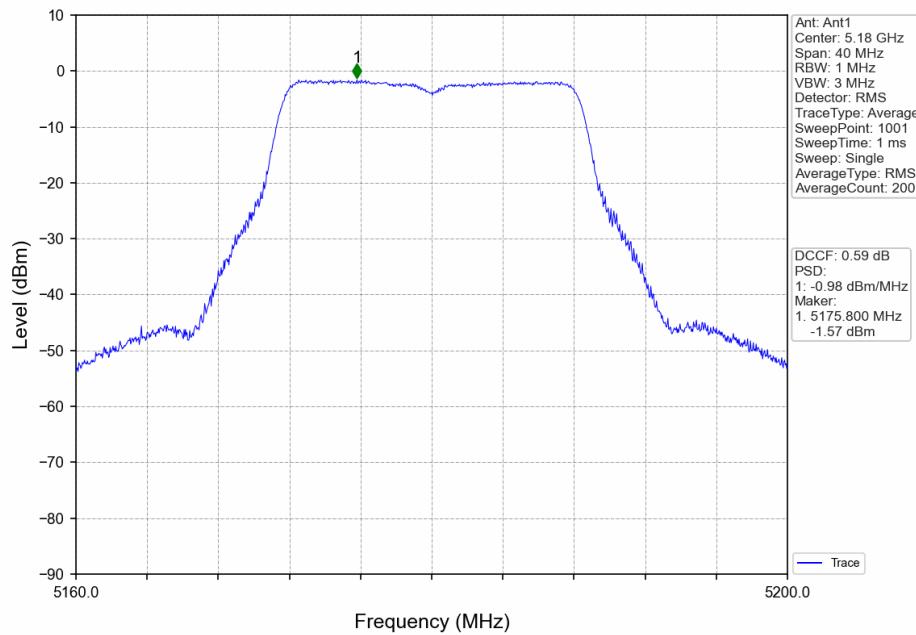
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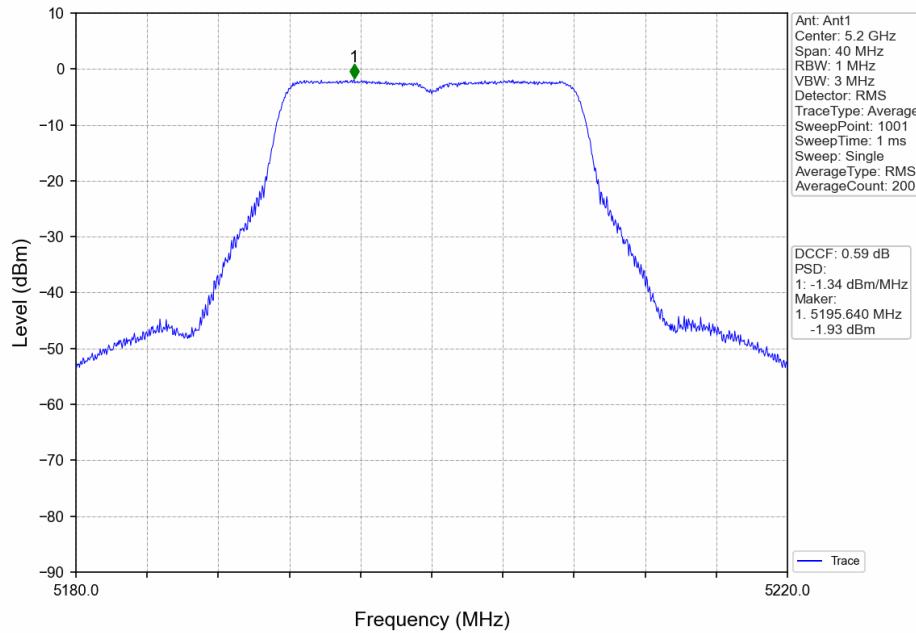
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## 4.1.2 Test Graph

802.11a\_LCH\_5180MHz\_Ant1\_NTNV



802.11a\_MCH\_5200MHz\_Ant1\_NTNV



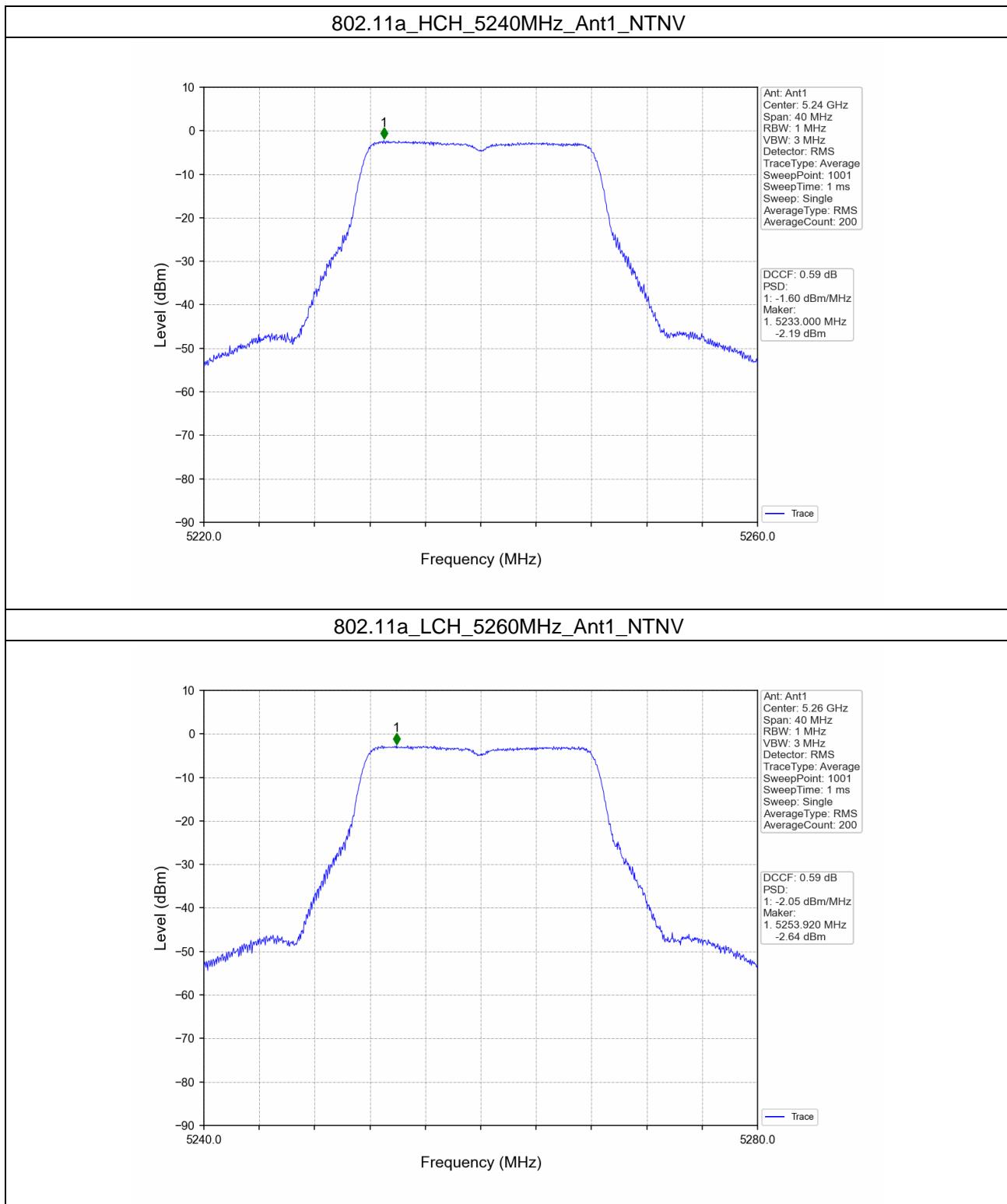
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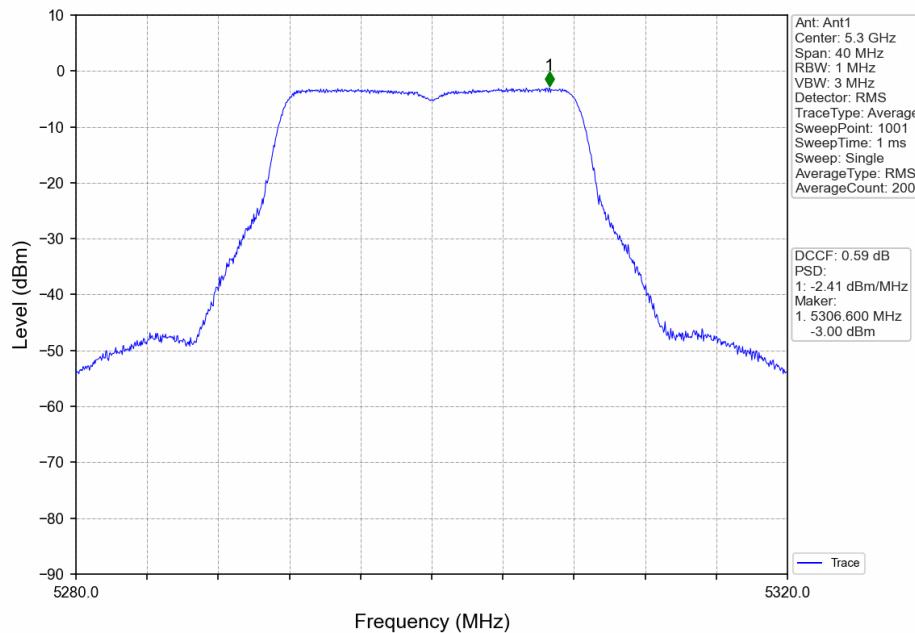
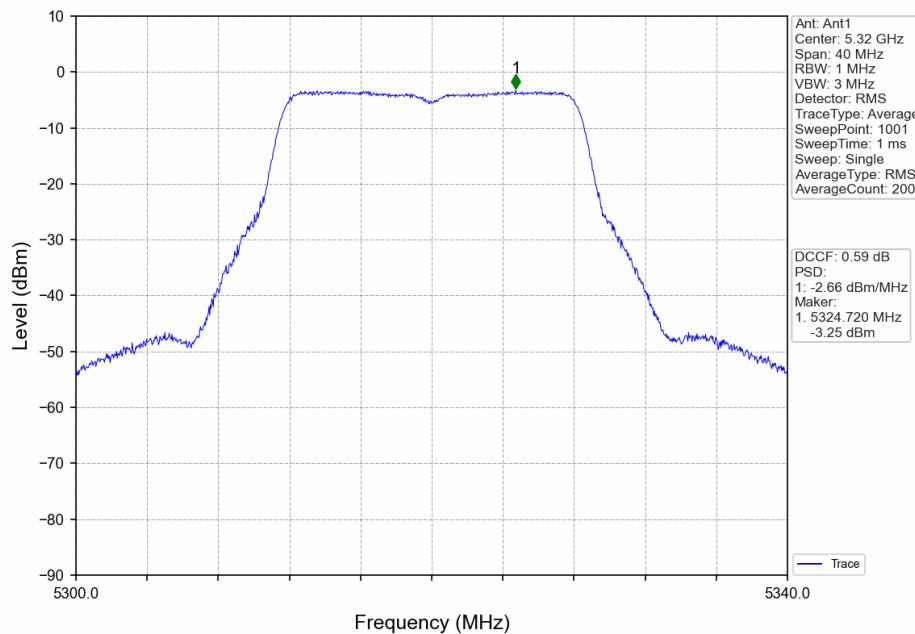
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**802.11a\_MCH\_5300MHz\_Ant1\_NTNV****802.11a\_HCH\_5320MHz\_Ant1\_NTNV**

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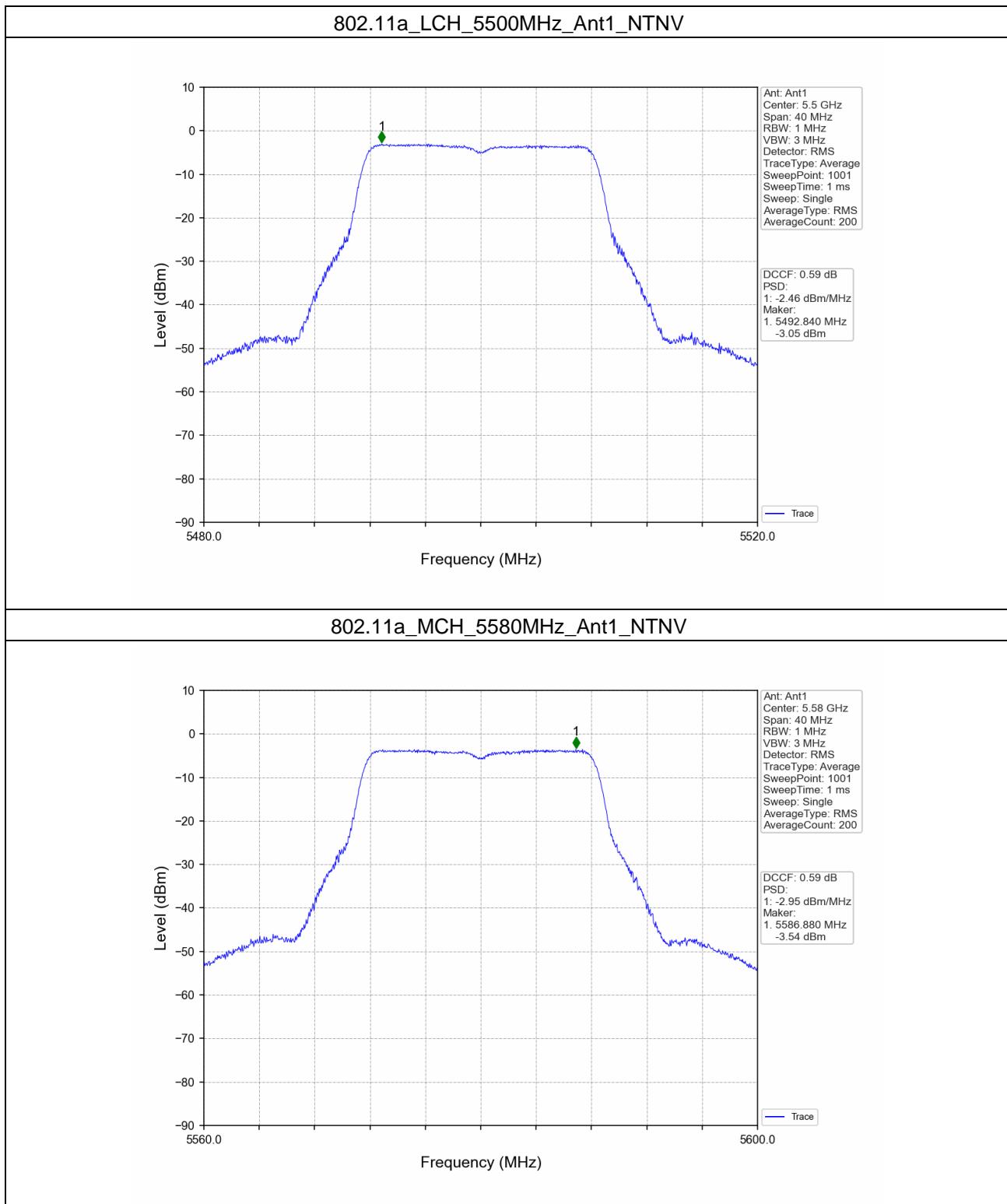
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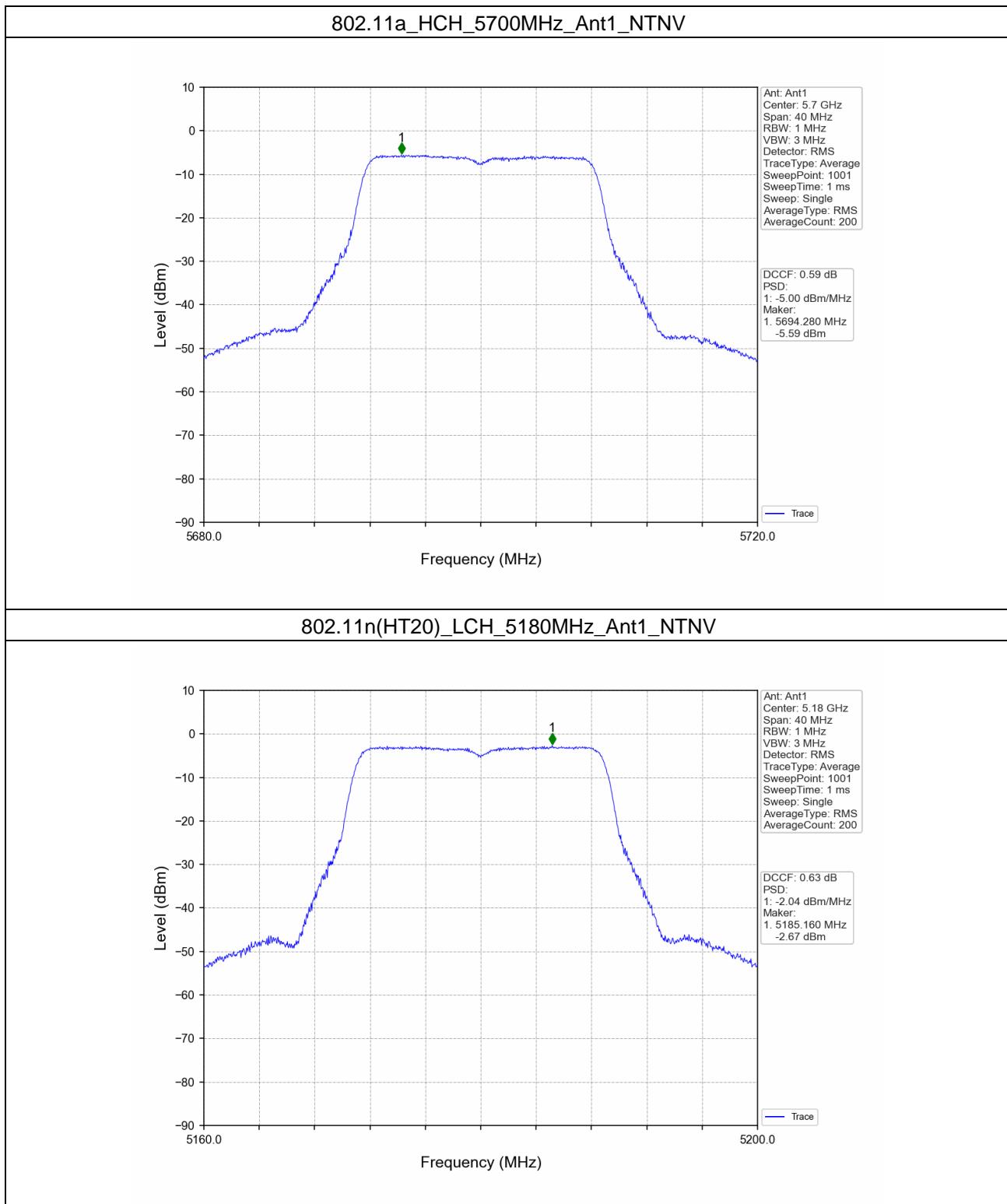
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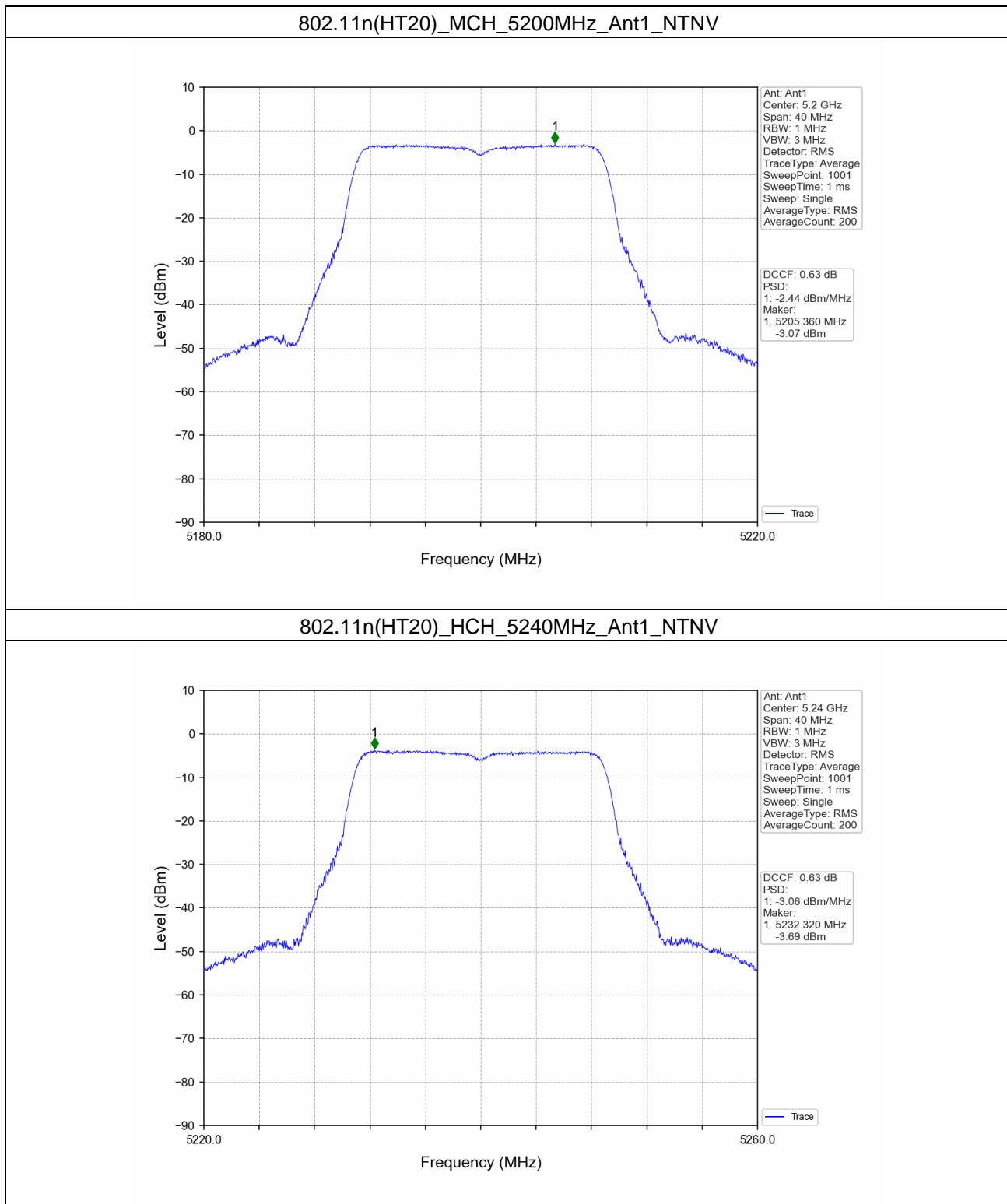
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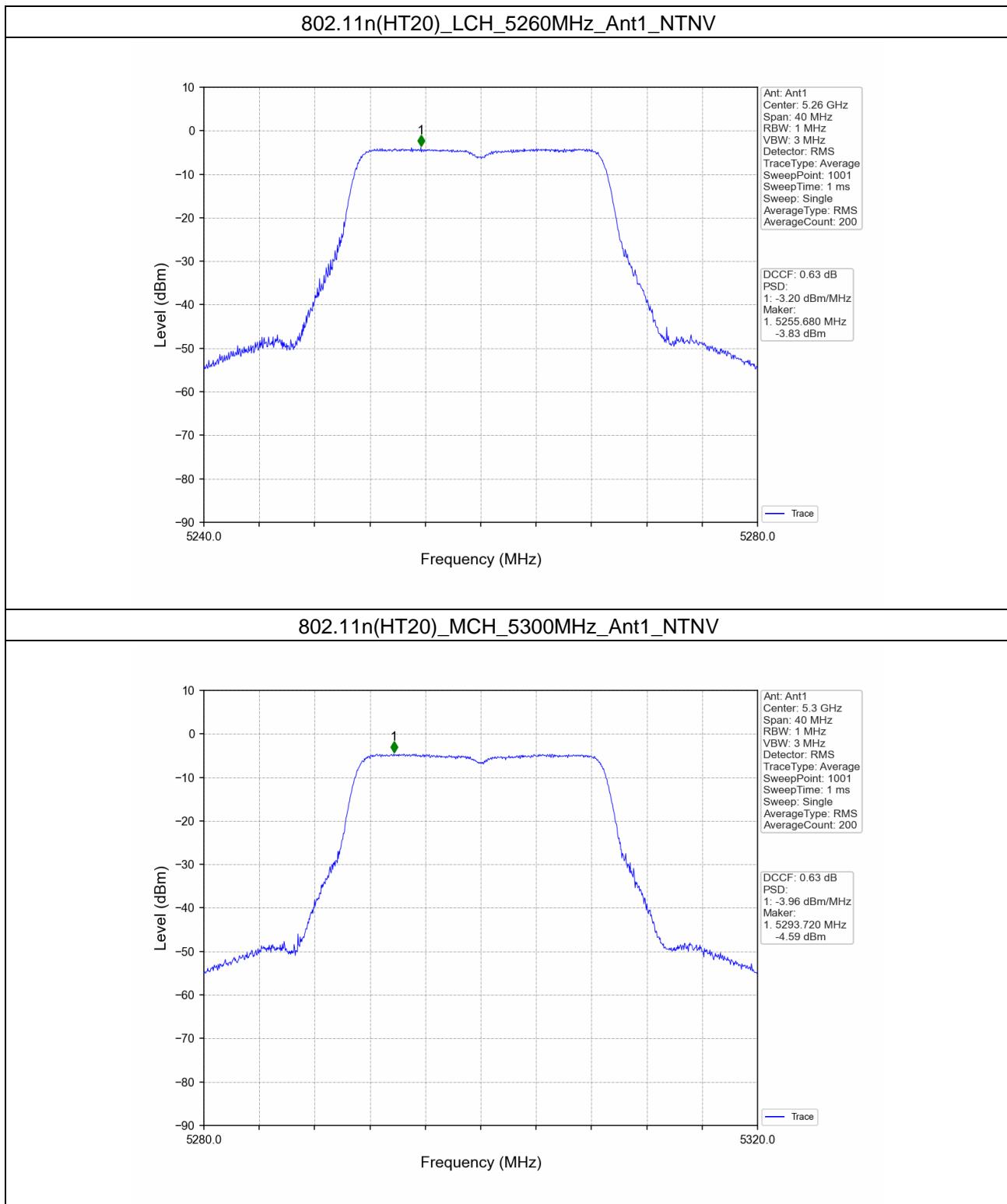
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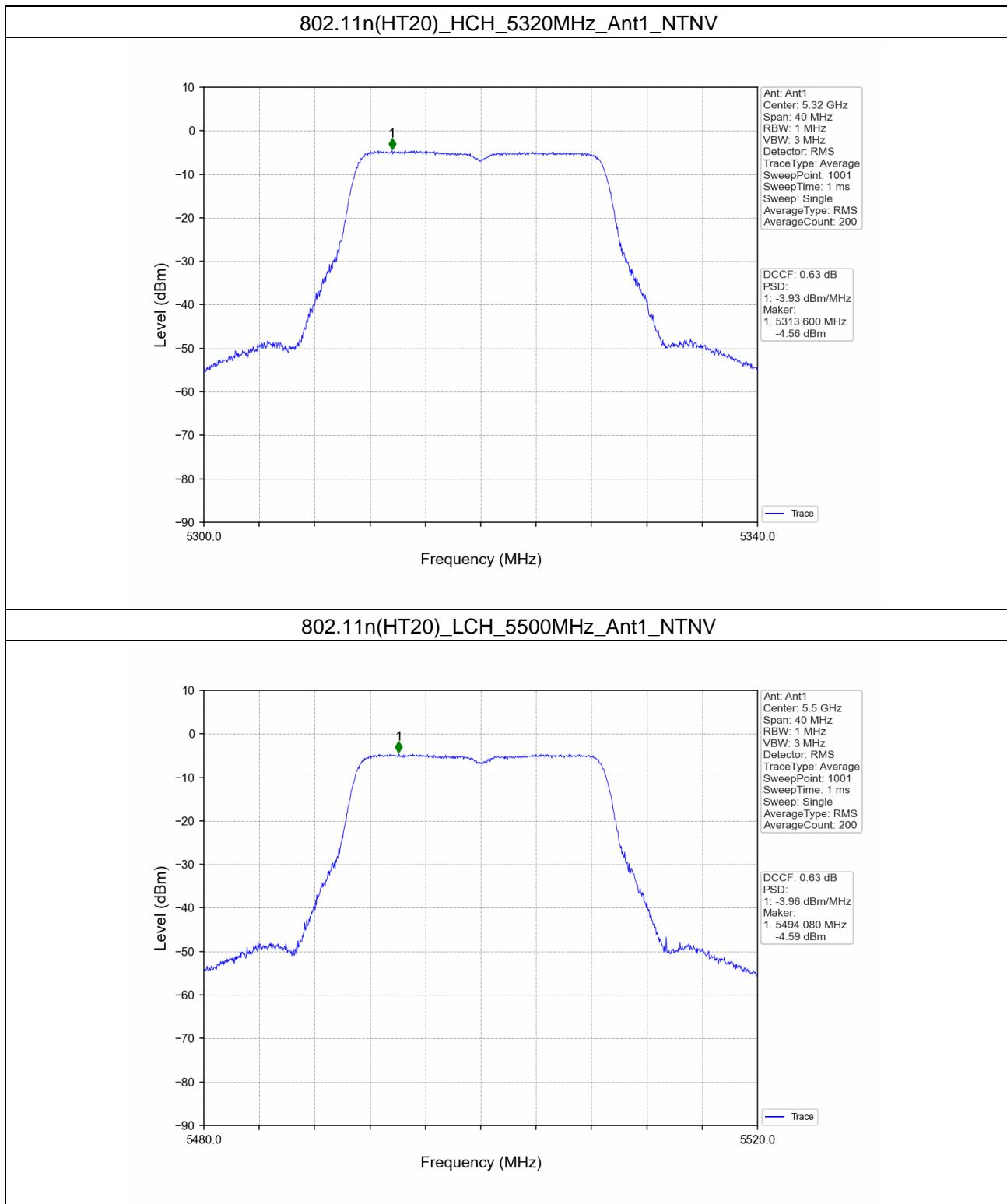


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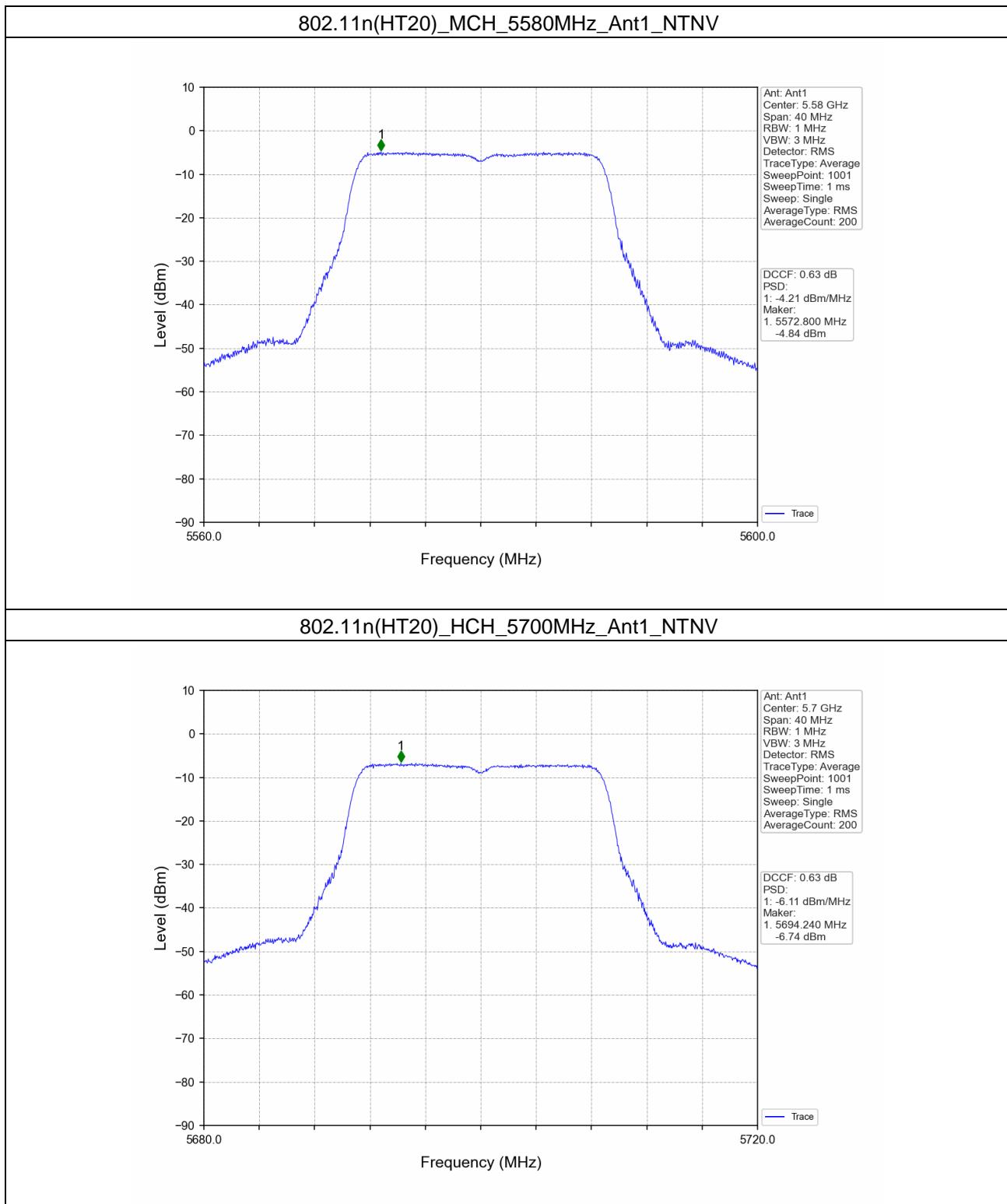
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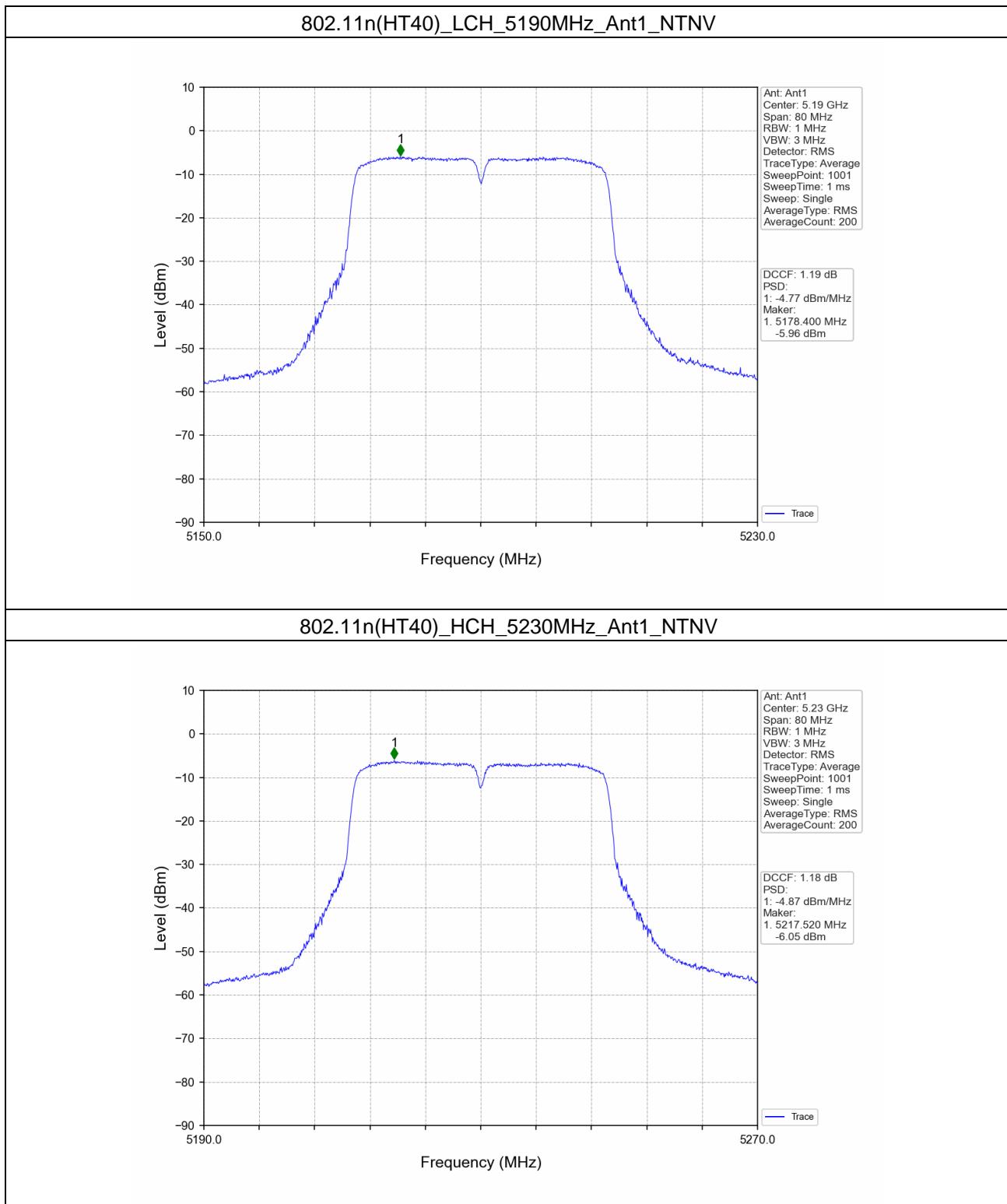
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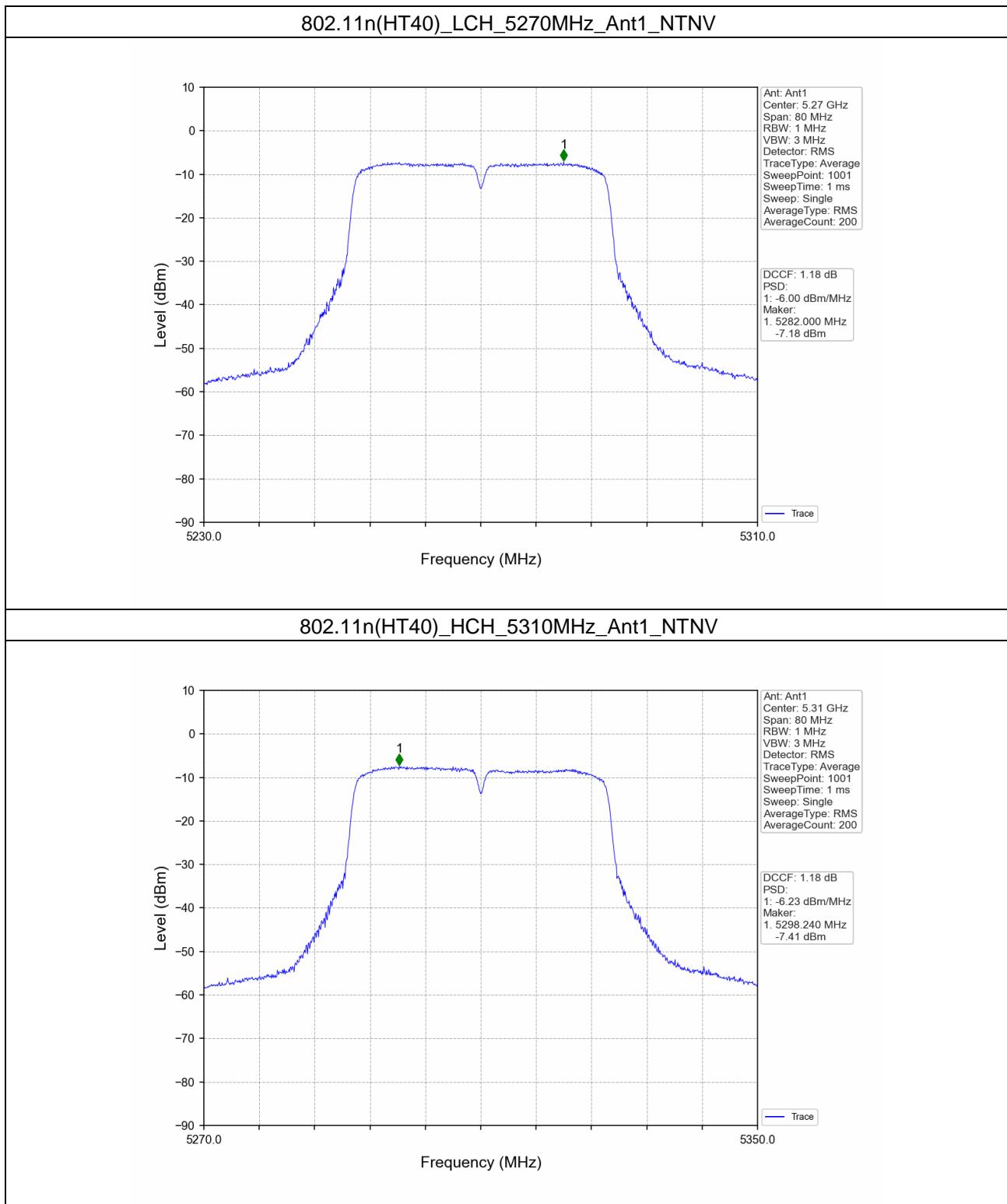
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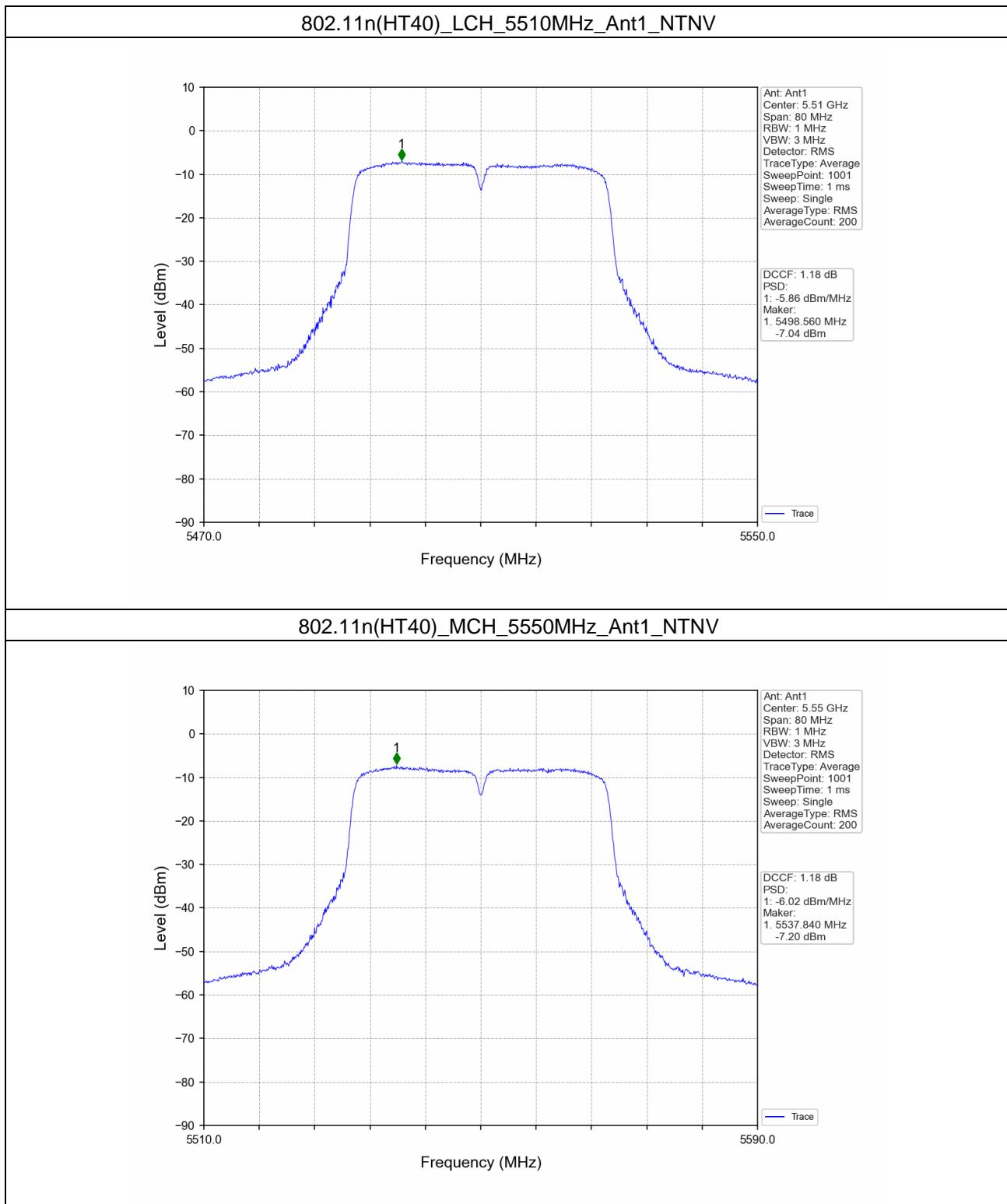
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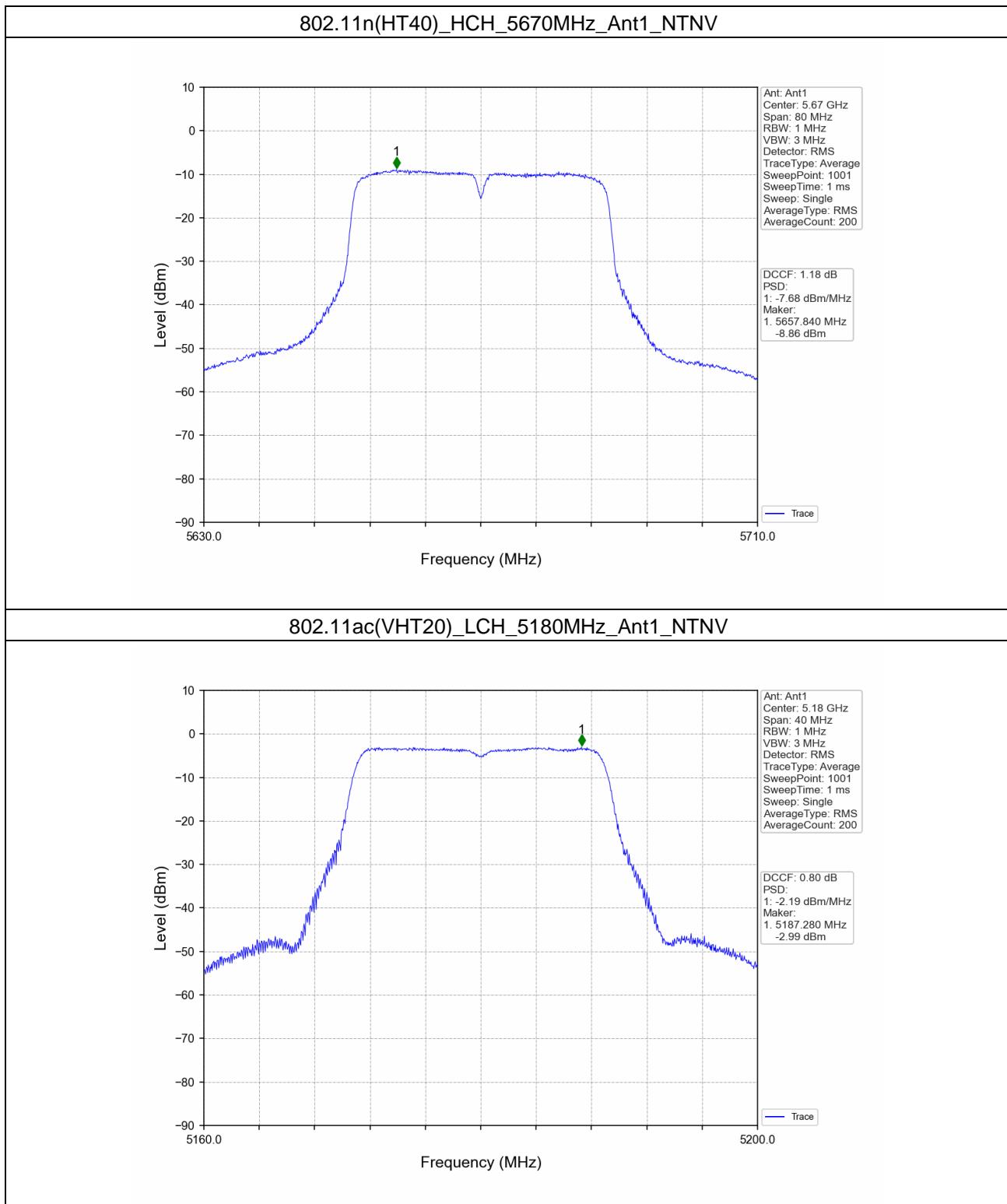
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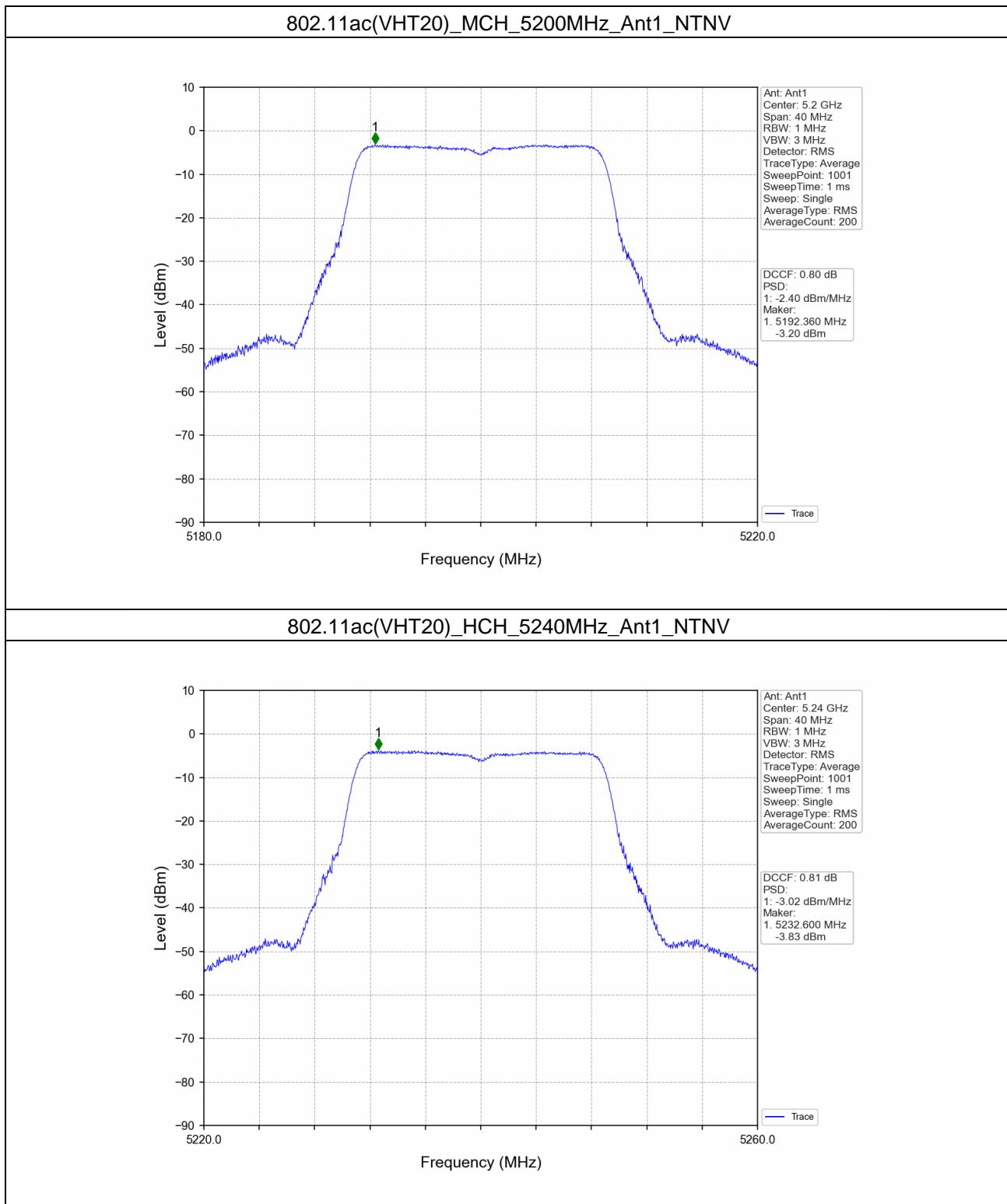
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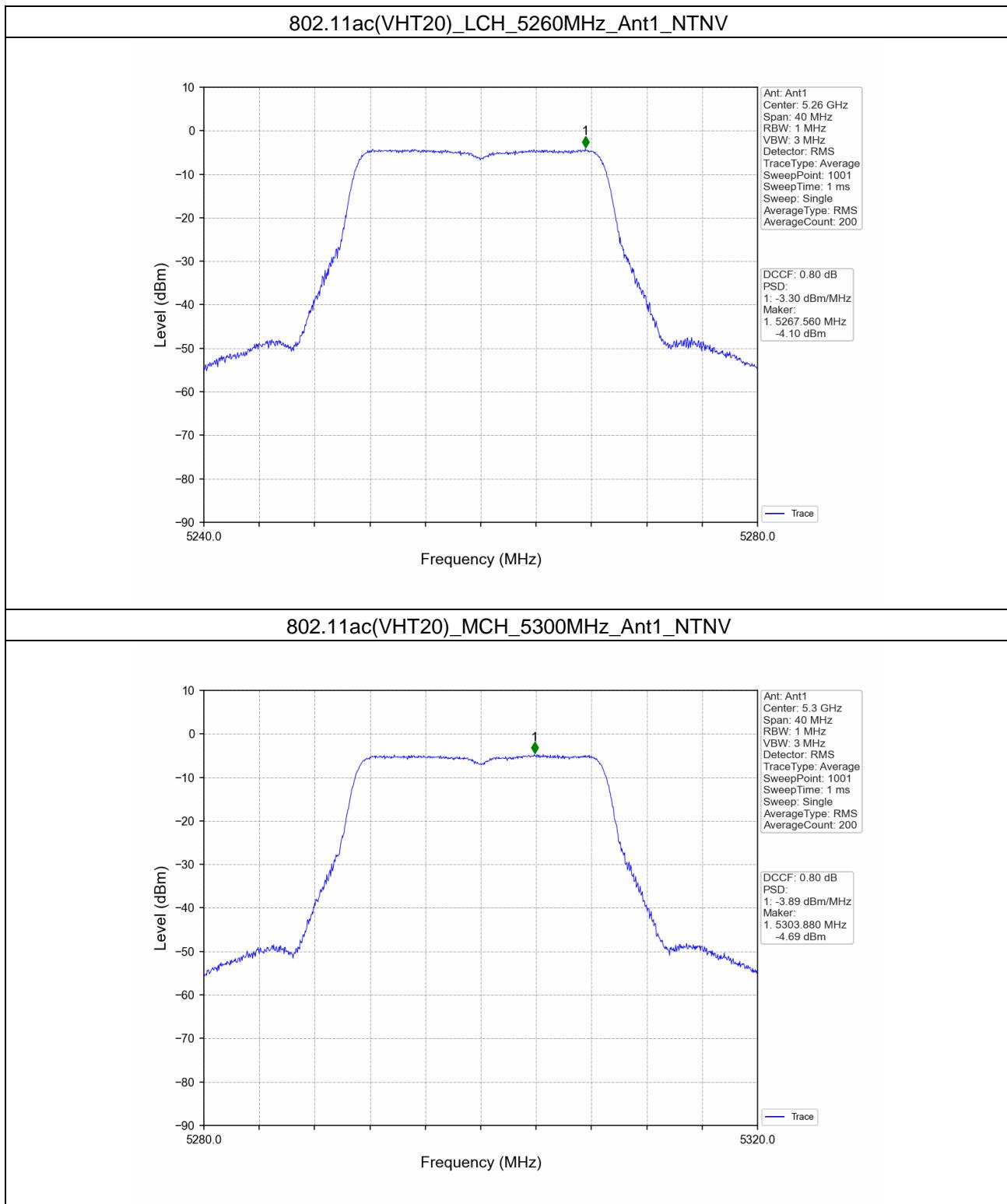
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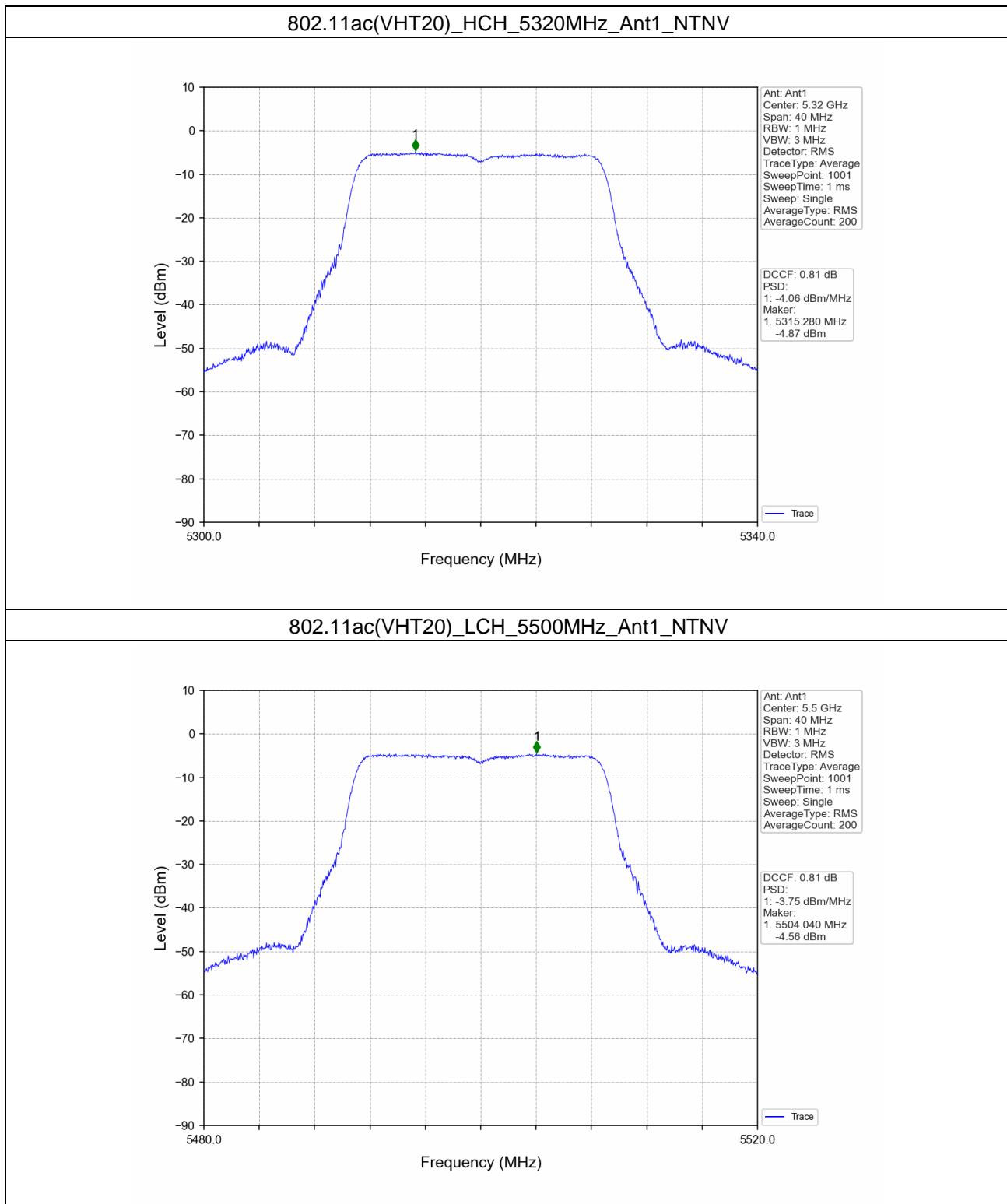
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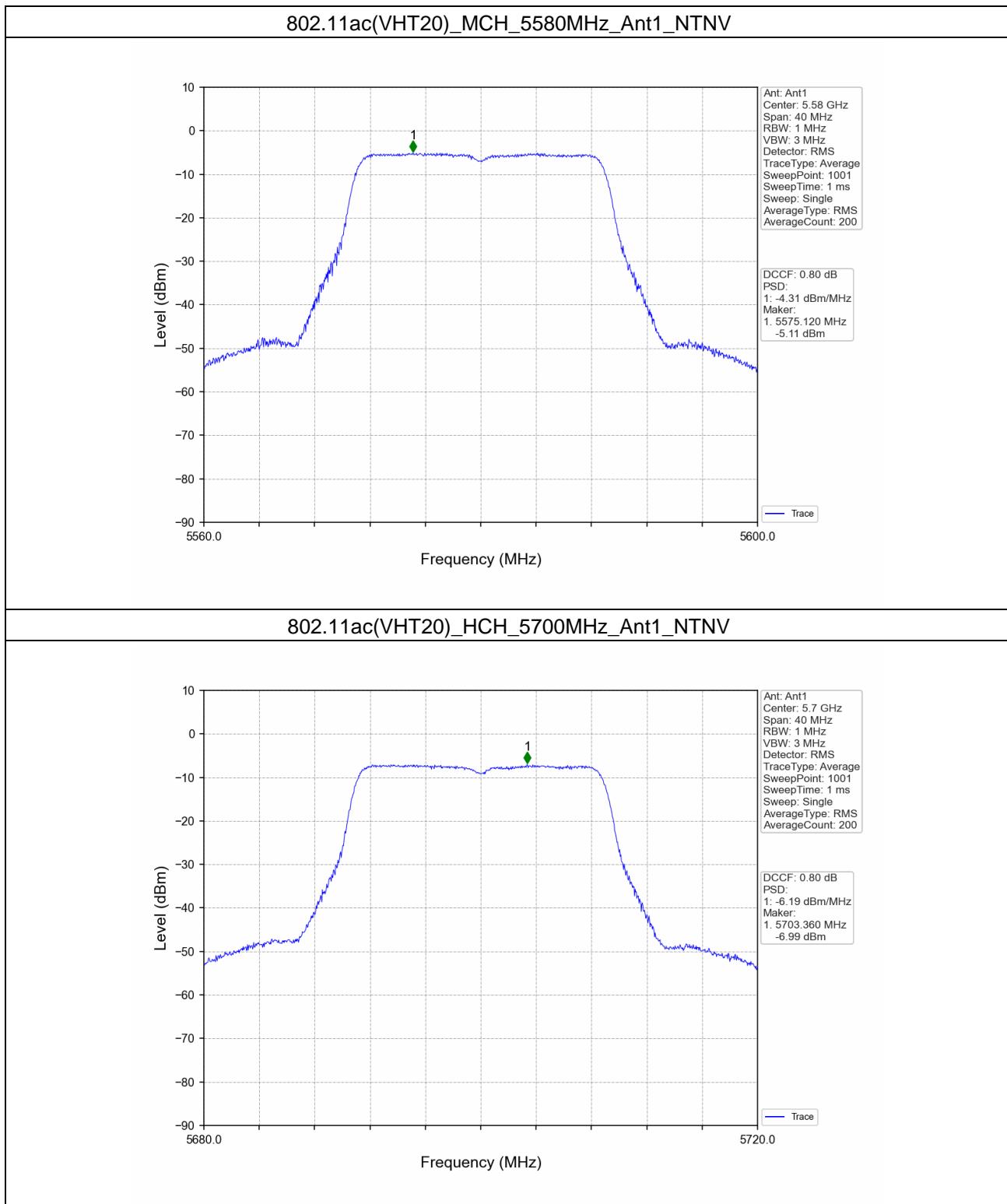
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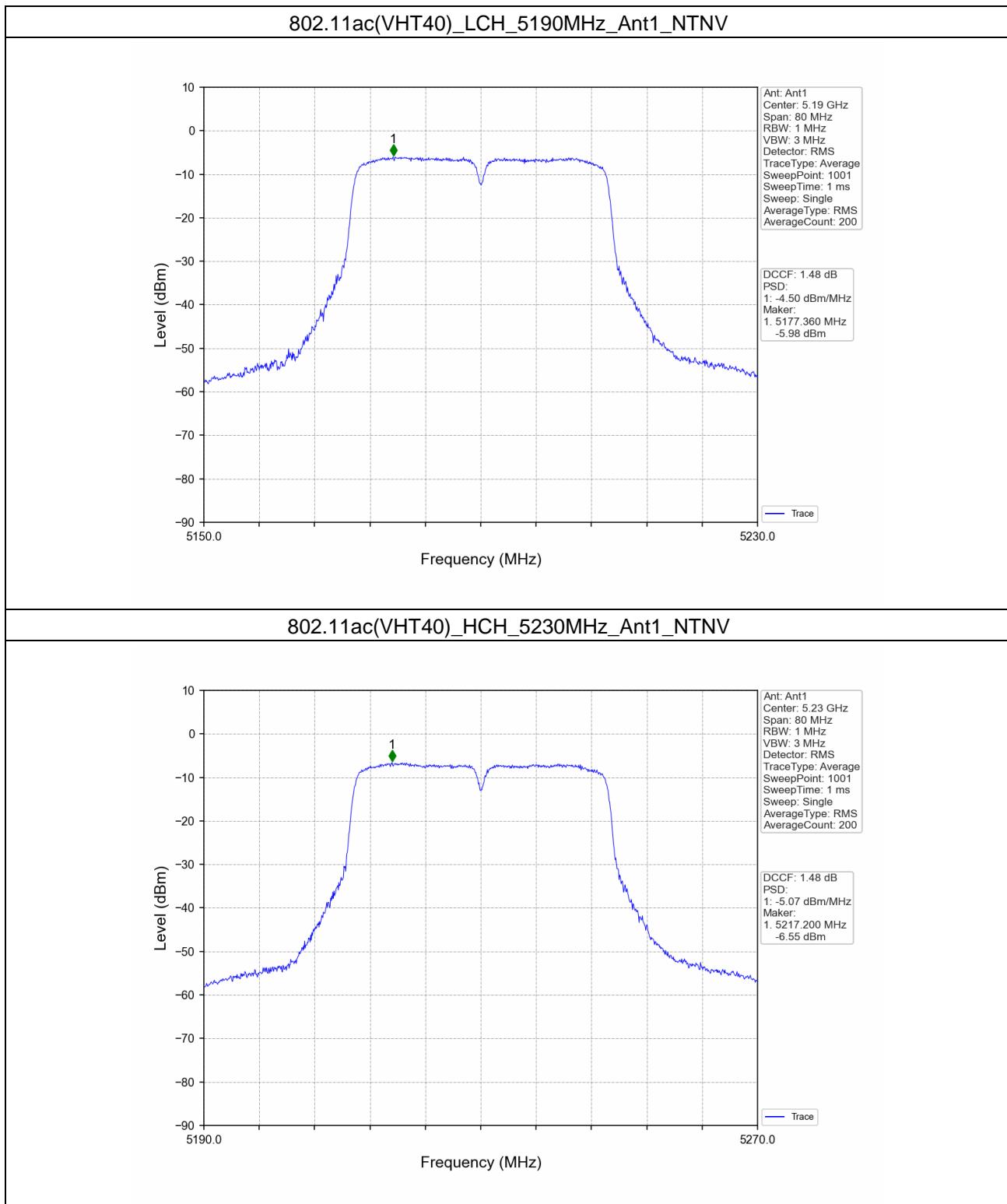
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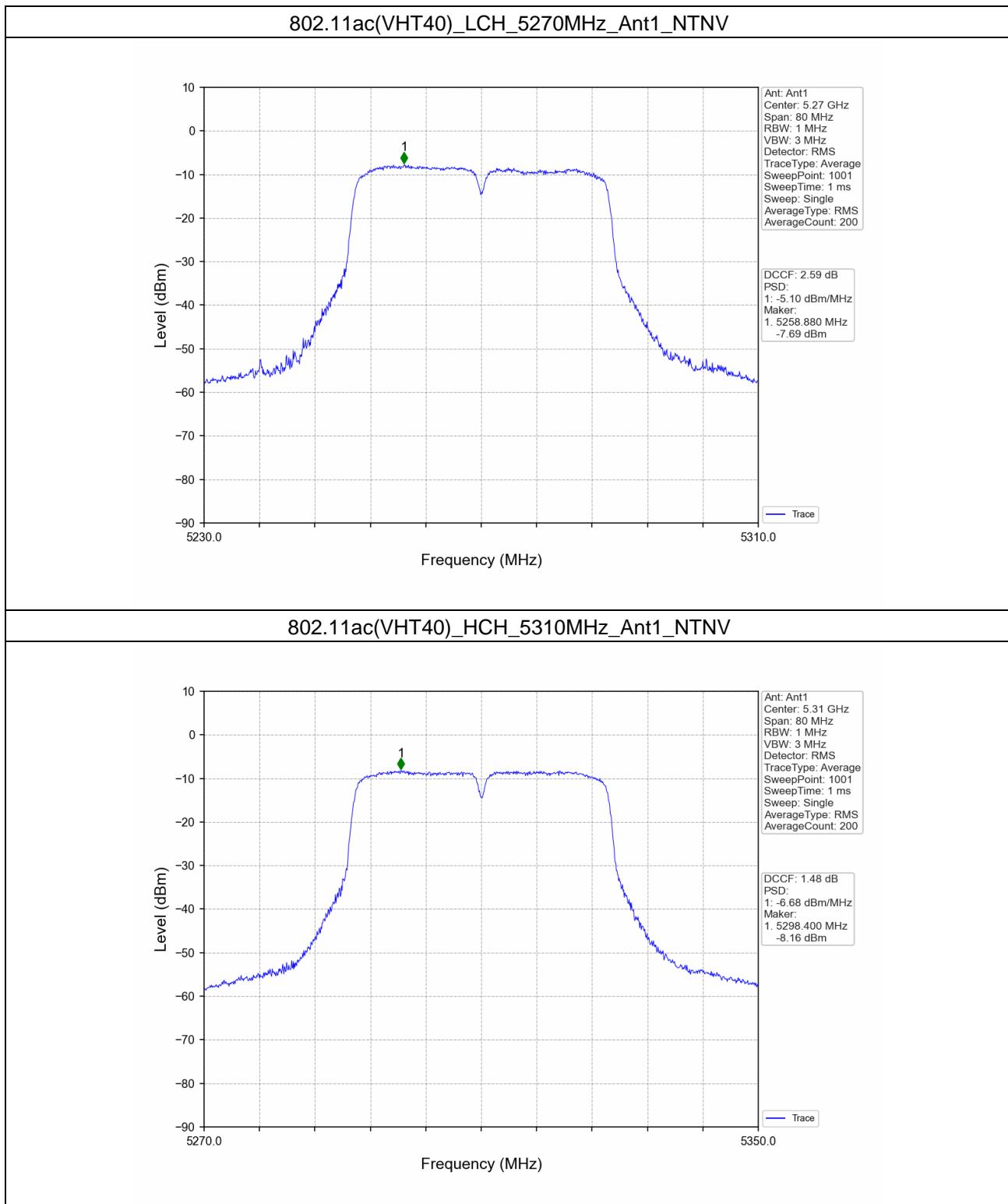
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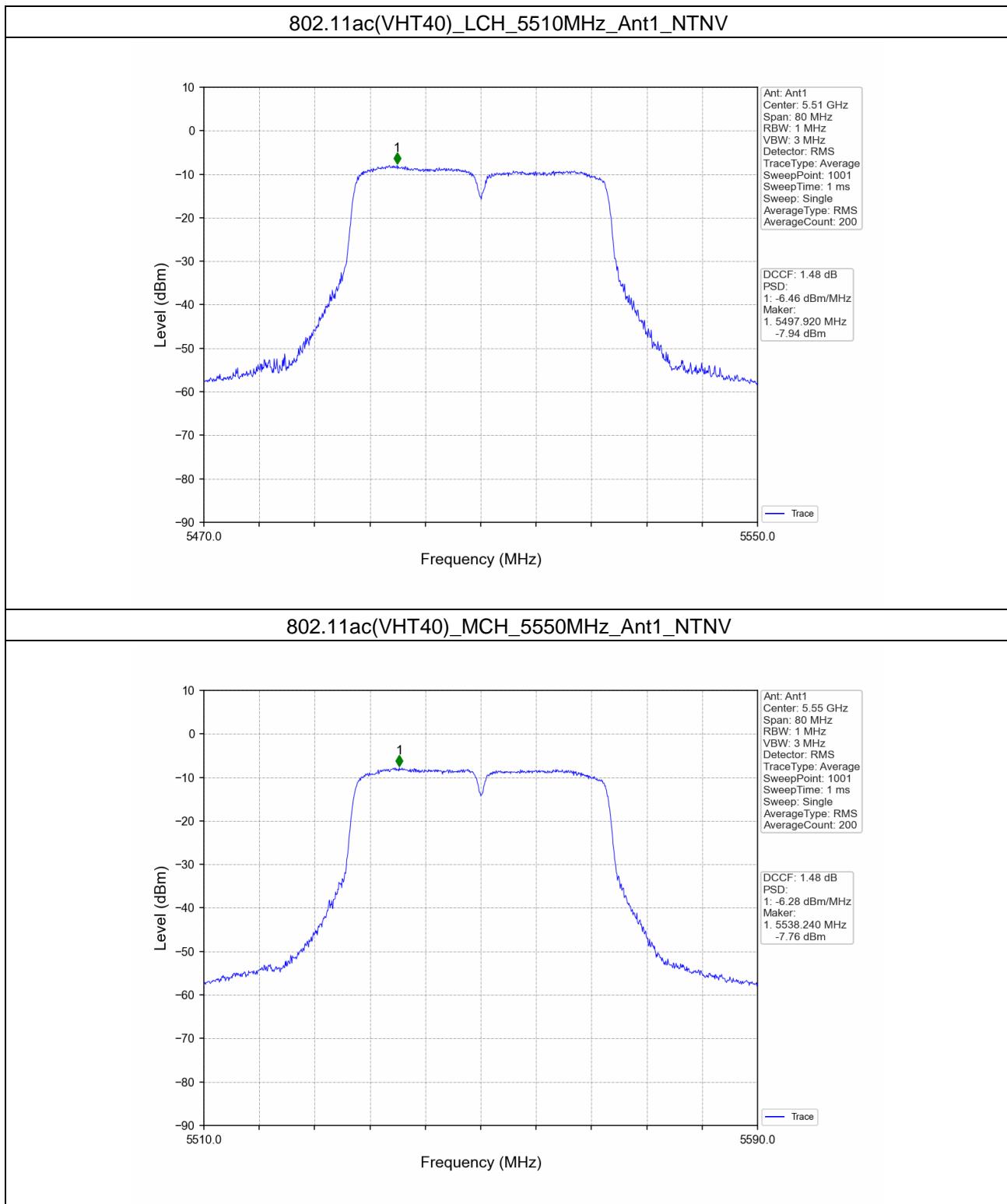


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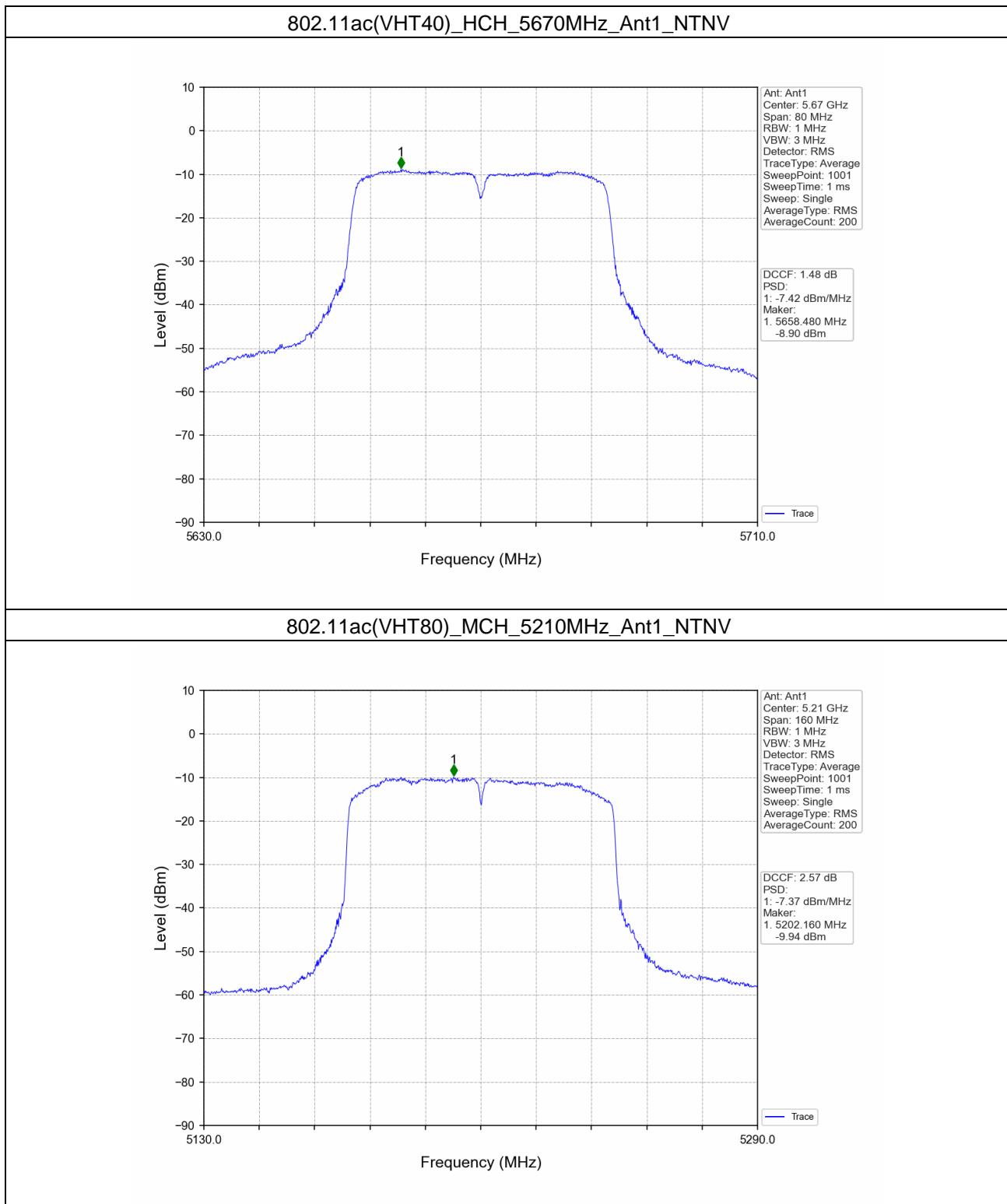
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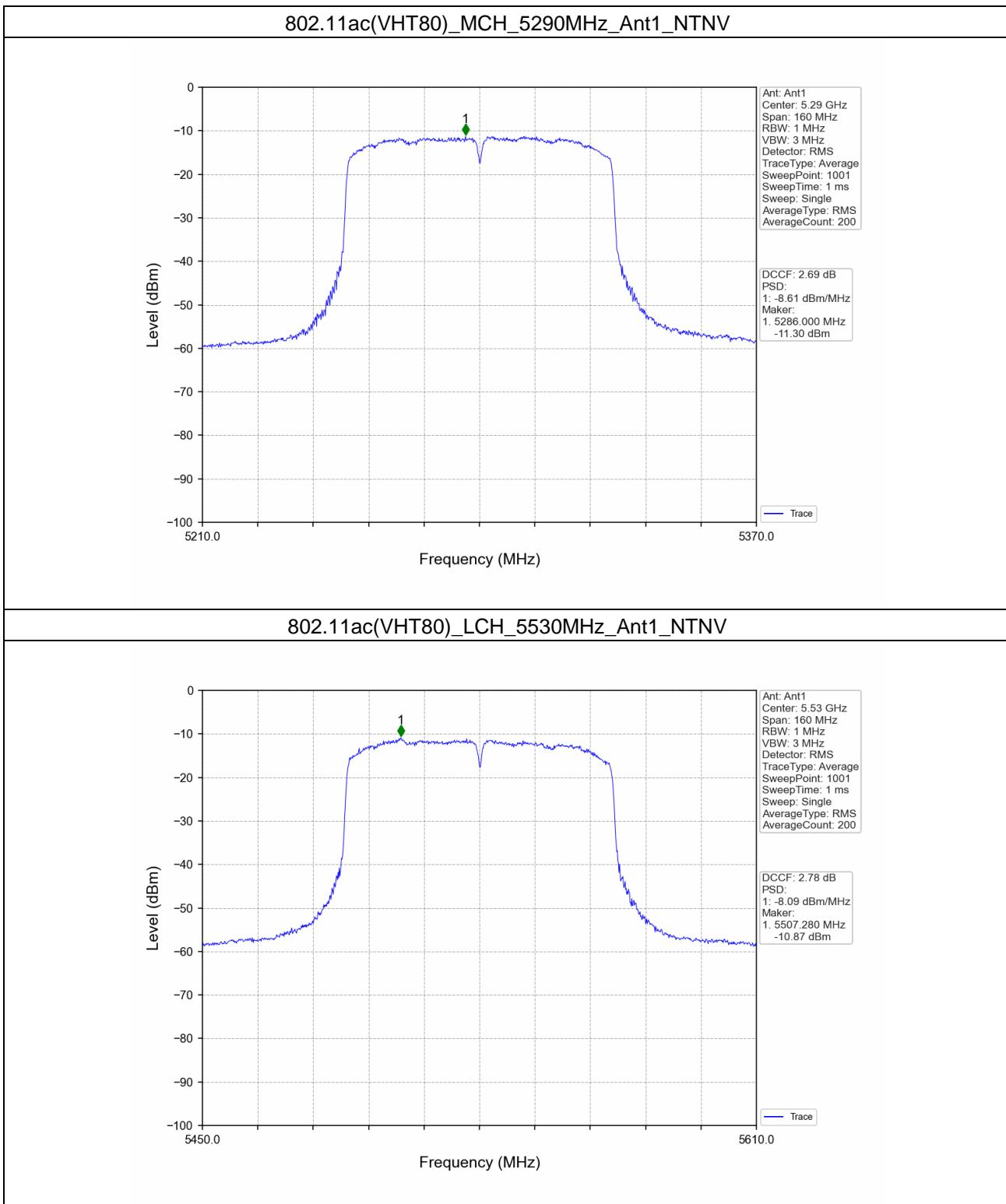
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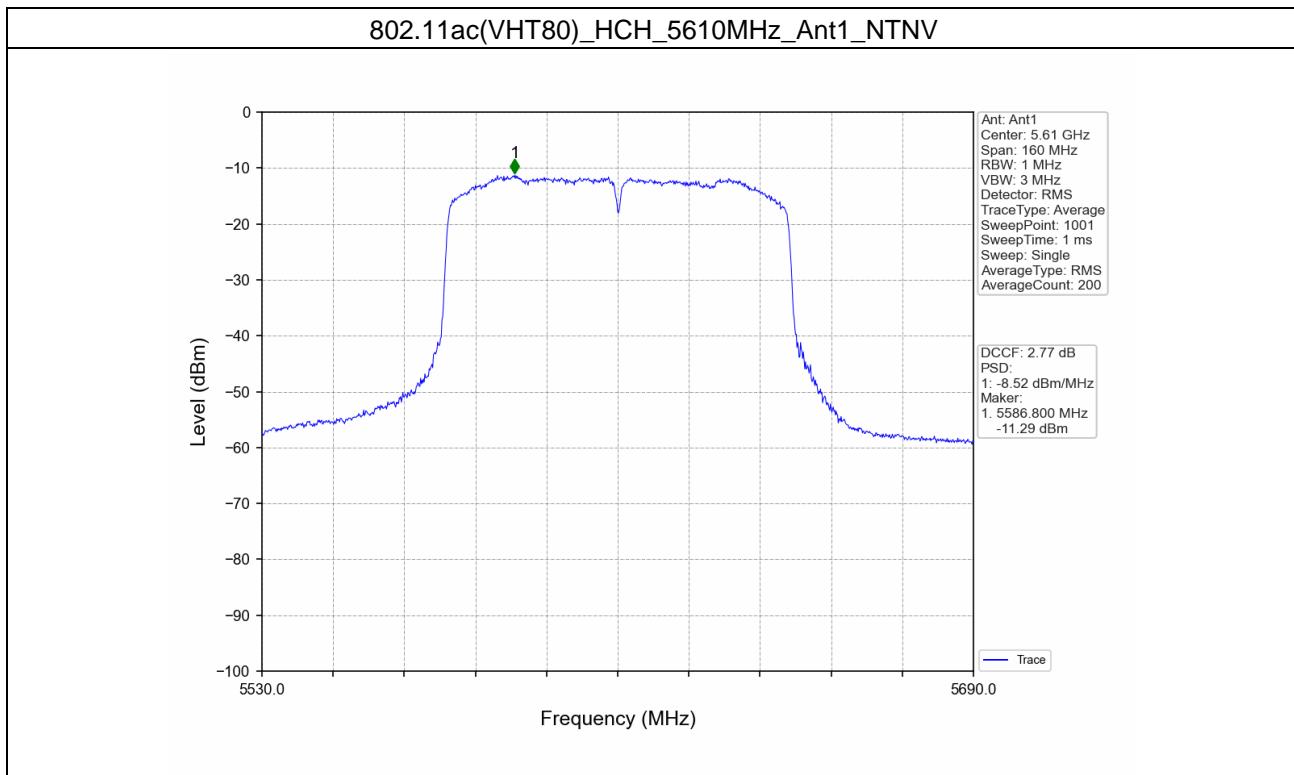
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**4.2 PSD-Band3****4.2.1 Test Result**

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/500kHz)		Verdict
			Ant1	Limit	
802.11a	SISO	5745	-8.77	<=30	Pass
		5785	-9.37	<=30	Pass
		5825	-10.96	<=30	Pass
802.11n (HT20)	SISO	5745	-10.13	<=30	Pass
		5785	-10.73	<=30	Pass
		5825	-11.92	<=30	Pass
802.11n (HT40)	SISO	5755	-12.50	<=30	Pass
		5795	-12.95	<=30	Pass
802.11ac (VHT20)	SISO	5745	-9.51	<=30	Pass
		5785	-10.52	<=30	Pass
		5825	-11.70	<=30	Pass
802.11ac (VHT40)	SISO	5755	-12.15	<=30	Pass
		5795	-13.03	<=30	Pass
802.11ac (VHT80)	SISO	5775	-14.35	<=30	Pass

Note1: Antenna Gain:

UNII Band III: 1.5dBi

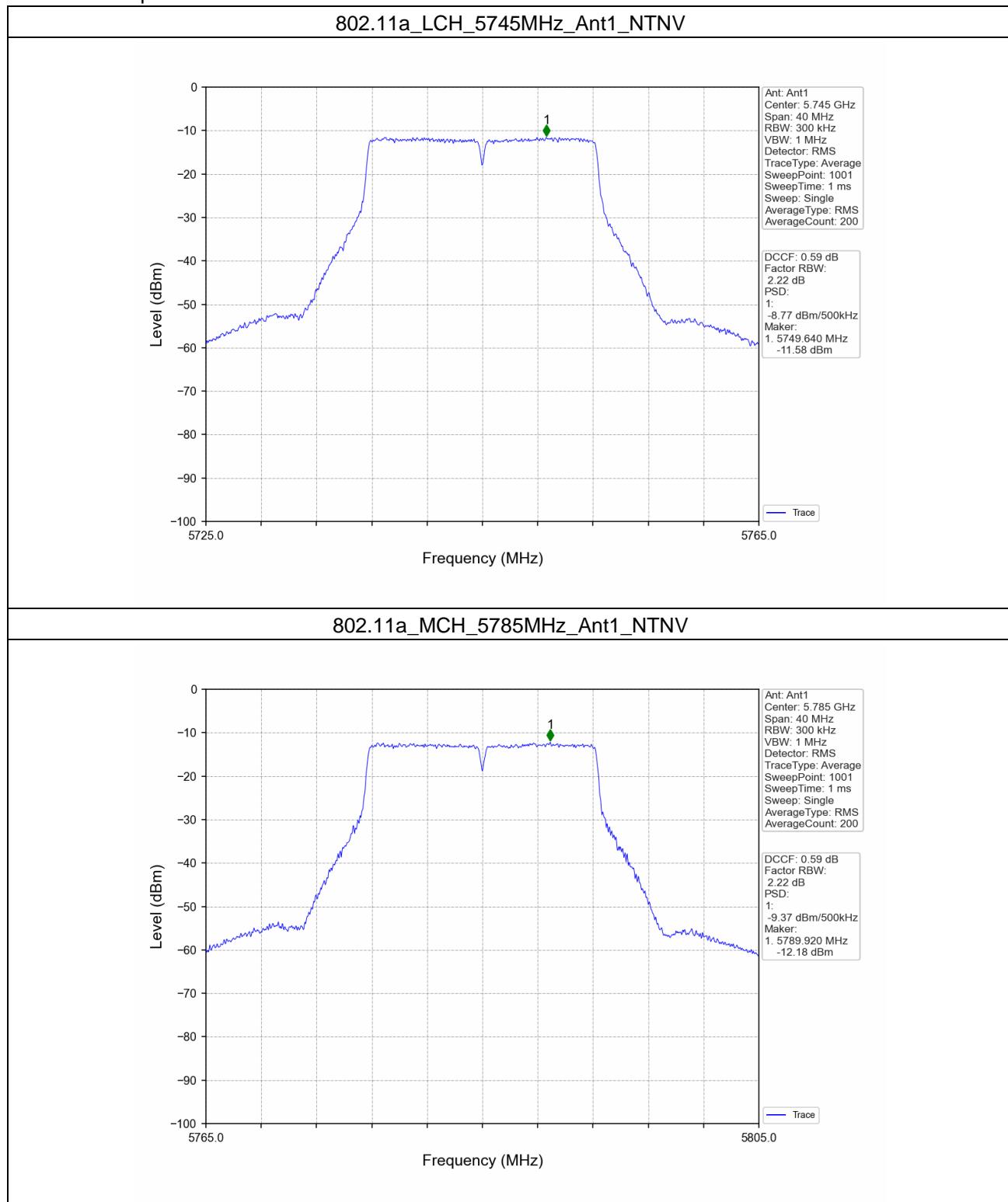
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## 4.2.2 Test Graph



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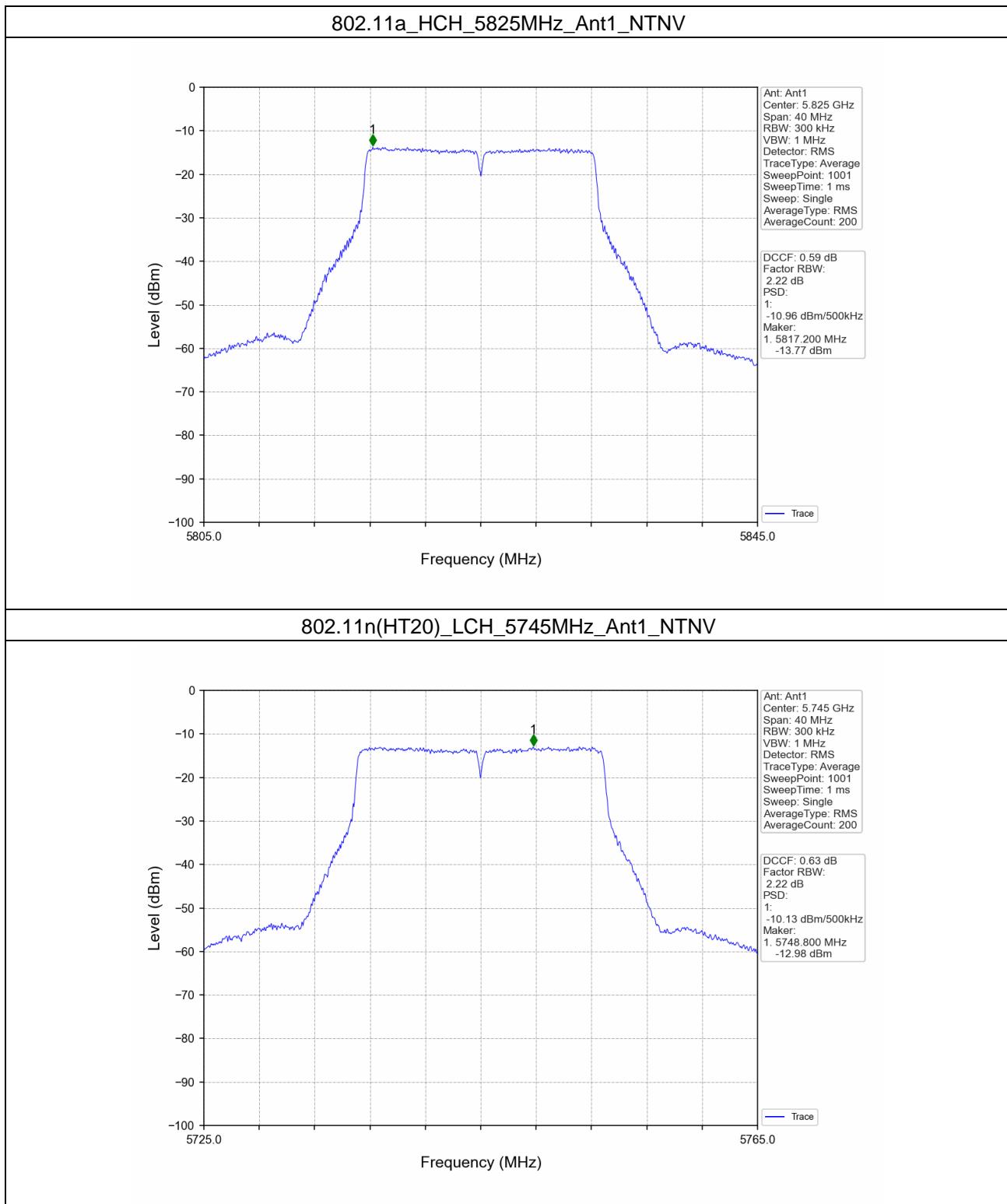
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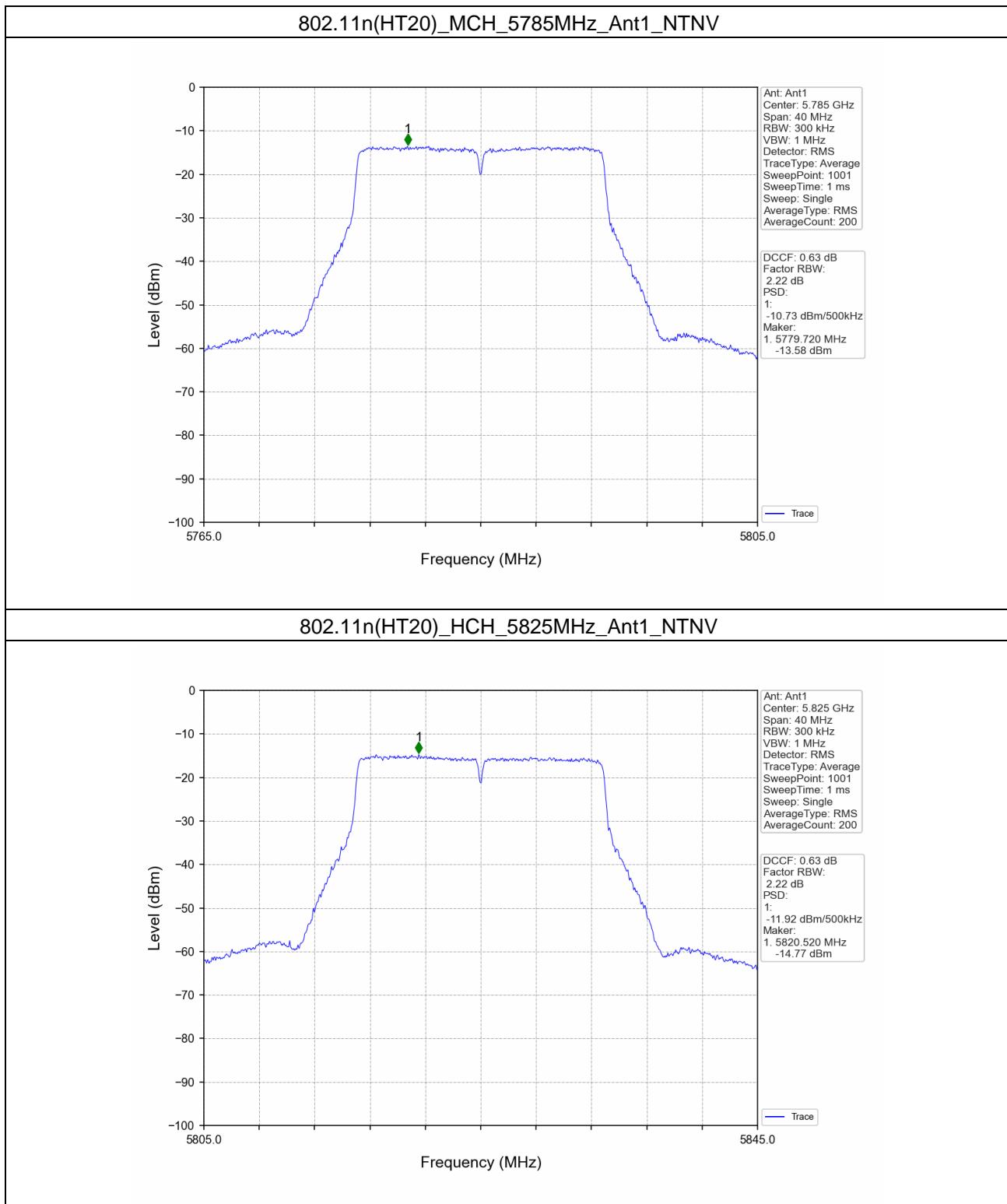
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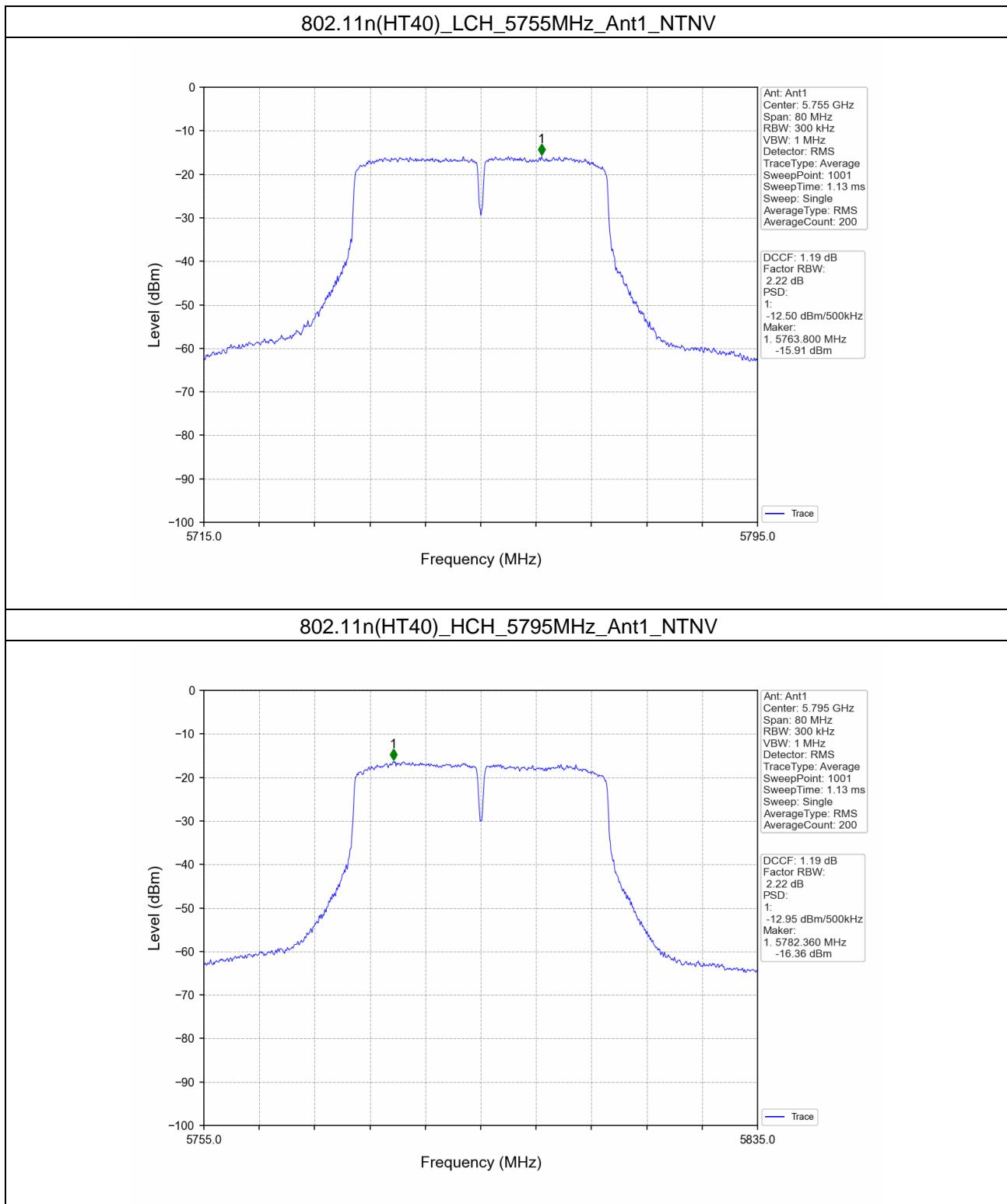
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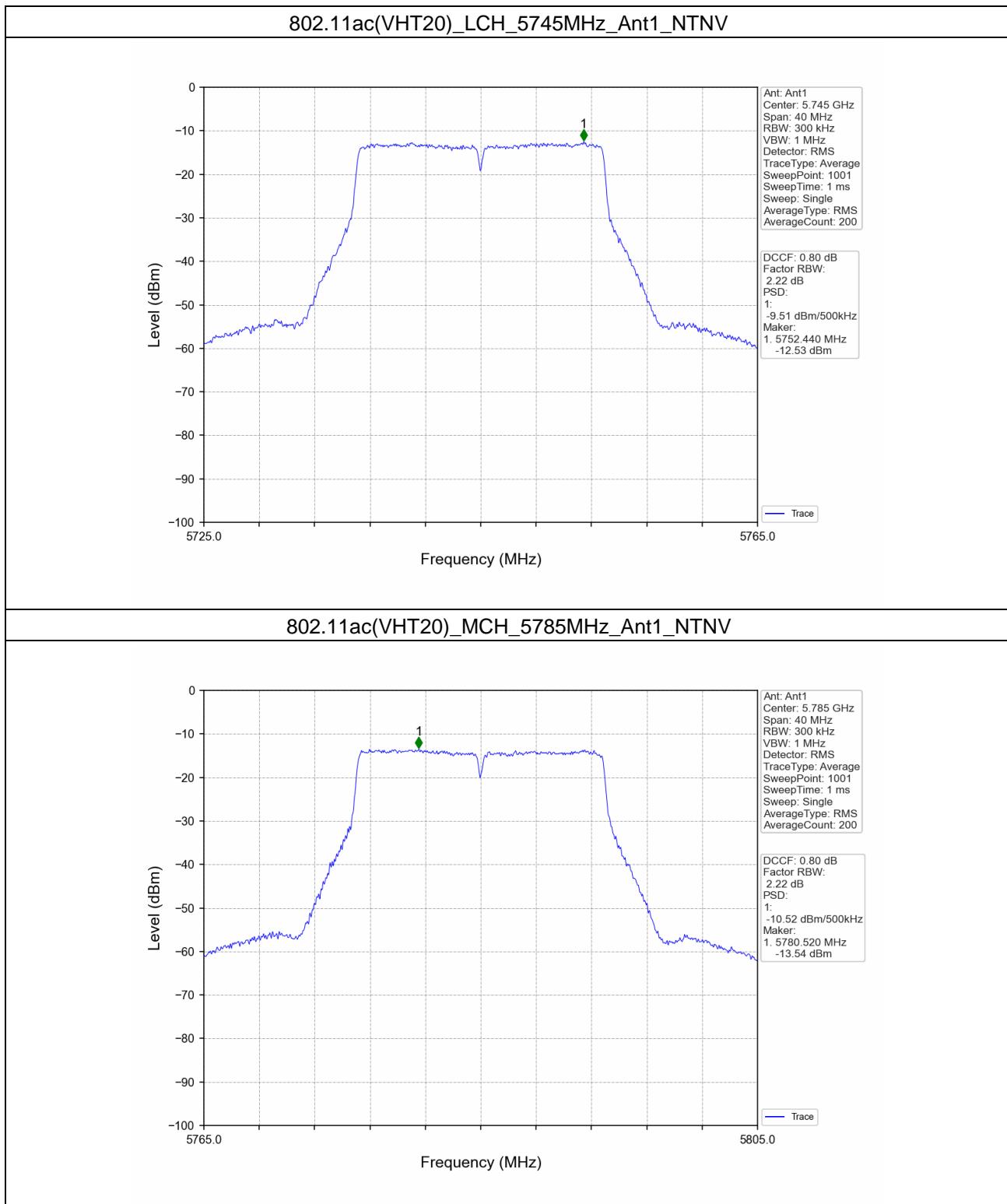
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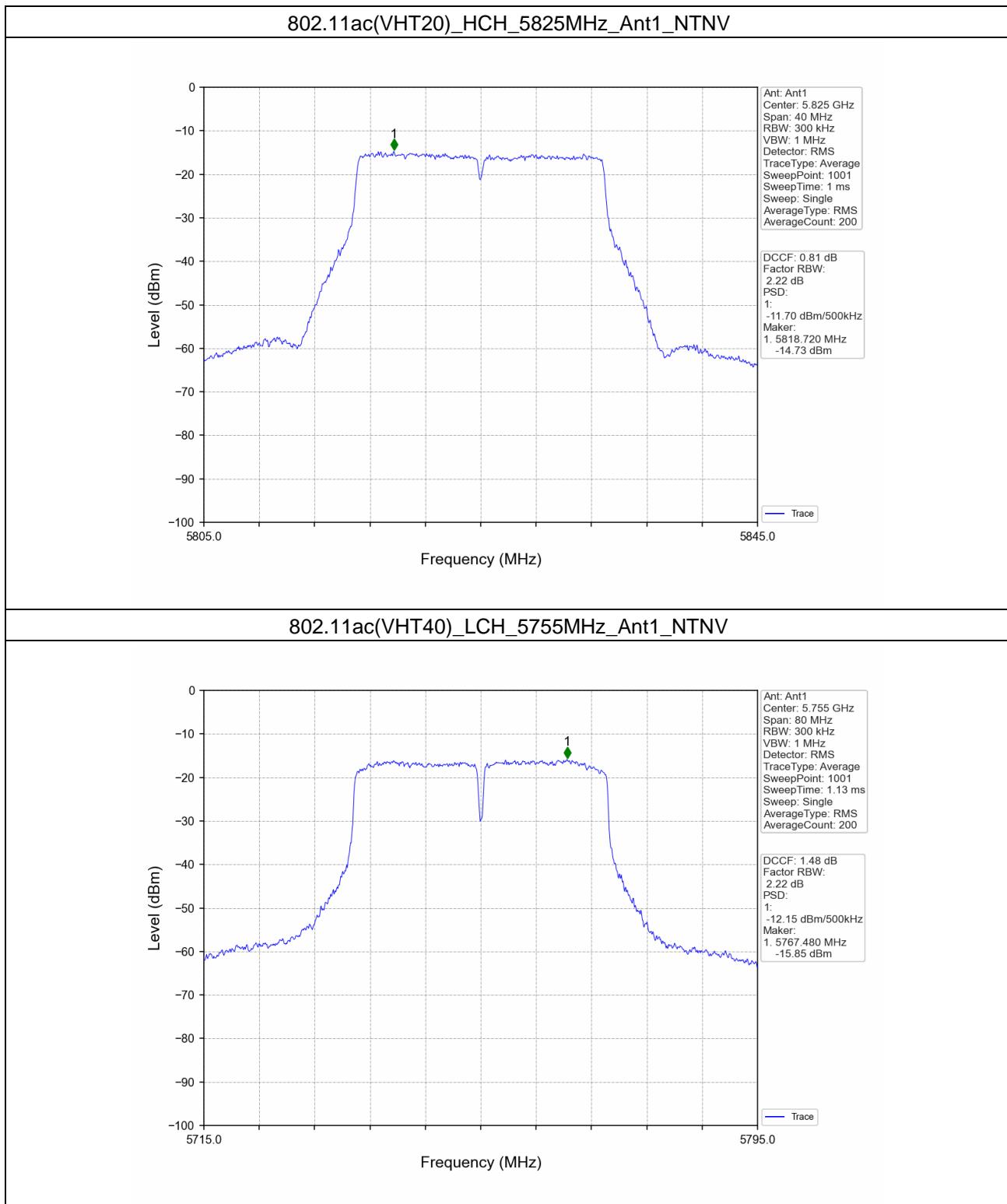
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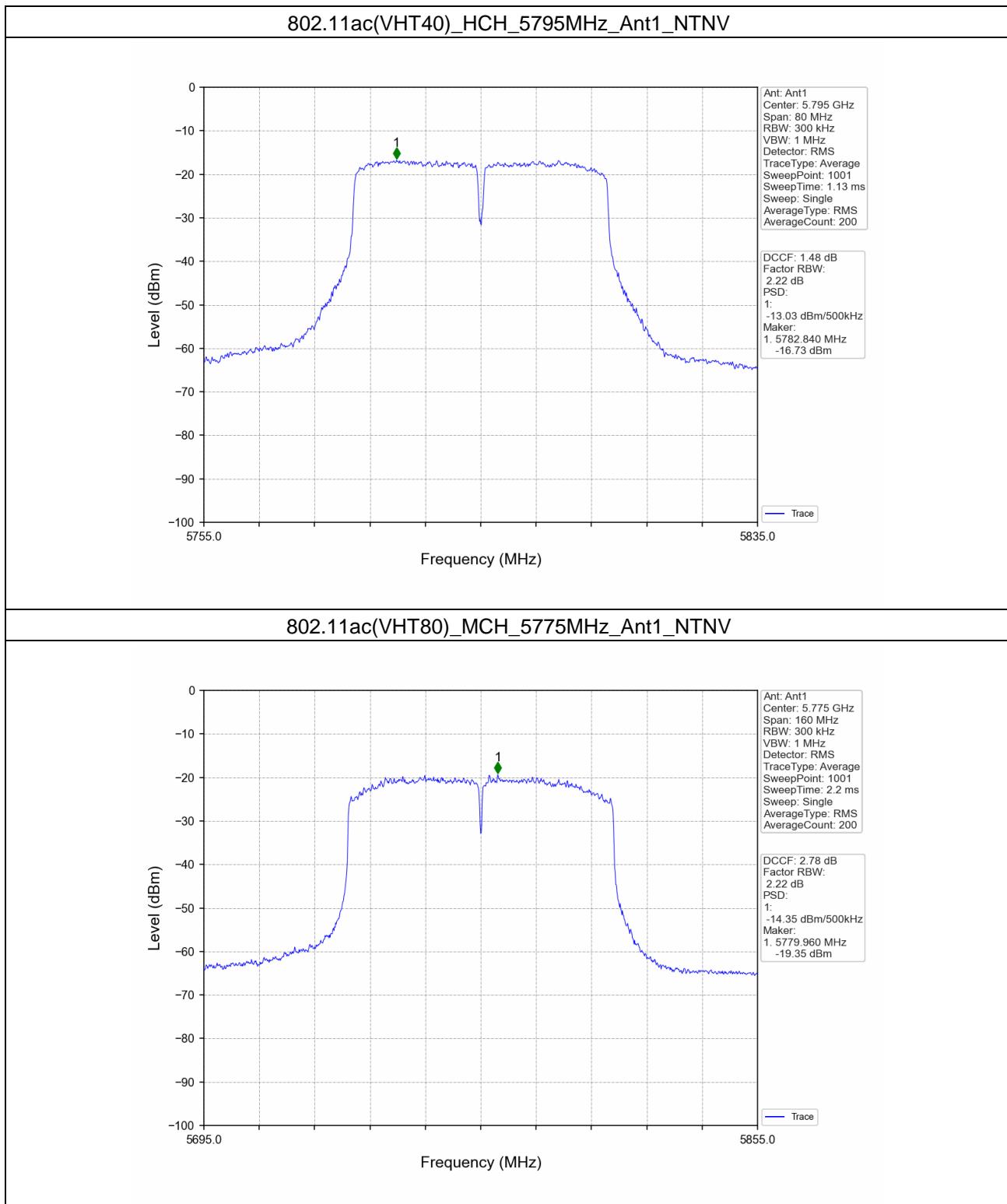
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## 5. Frequency Stability

## 5.1 Ant1

## 5.1.1 Test Result

Ant1							
Mode	TX Type	Frequency (MHz)	Temperature (°C)	Voltage (VDC)	Measured Frequency (MHz)	Limit (MHz)	Verdict
802.11a	SISO	5180	20	4.25	5180.020	5172.724 to 5187.276	Pass
				5	5179.960	5172.724 to 5187.276	Pass
				5.75	5179.960	5172.724 to 5187.276	Pass
			0	5	5180.020	5172.724 to 5187.276	Pass
			30	5	5180.000	5172.724 to 5187.276	Pass
		5200	20	4.25	5199.980	5192.786 to 5207.214	Pass
				5	5199.980	5192.786 to 5207.214	Pass
				5.75	5199.980	5192.786 to 5207.214	Pass
			0	5	5200.000	5192.786 to 5207.214	Pass
			30	5	5199.980	5192.786 to 5207.214	Pass
		5240	20	4.25	5240.040	5232.774 to 5247.226	Pass
				5	5239.960	5232.774 to 5247.226	Pass
				5.75	5239.980	5232.774 to 5247.226	Pass
			0	5	5240.000	5232.774 to 5247.226	Pass
			30	5	5239.980	5232.774 to 5247.226	Pass
		5260	20	4.25	5260.000	5252.796 to 5267.204	Pass
				5	5259.980	5252.796 to 5267.204	Pass
				5.75	5259.980	5252.796 to 5267.204	Pass
			0	5	5260.000	5252.796 to 5267.204	Pass
			30	5	5260.020	5252.796 to 5267.204	Pass
		5300	20	4.25	5300.040	5292.79 to 5307.21	Pass
				5	5299.960	5292.79 to 5307.21	Pass
				5.75	5300.000	5292.79 to 5307.21	Pass
			0	5	5299.980	5292.79 to 5307.21	Pass
			30	5	5300.000	5292.79 to 5307.21	Pass
		5320	20	4.25	5320.020	5312.761 to 5327.239	Pass
				5	5320.000	5312.761 to 5327.239	Pass
				5.75	5320.040	5312.761 to 5327.239	Pass
			0	5	5319.980	5312.761 to 5327.239	Pass
			30	5	5319.960	5312.761 to 5327.239	Pass
		5500	20	4.25	5500.000	5492.74 to 5507.26	Pass
				5	5499.980	5492.74 to 5507.26	Pass
				5.75	5499.960	5492.74 to 5507.26	Pass

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			0	5	5499.940	5492.74 to 5507.26	Pass
			30	5	5500.000	5492.74 to 5507.26	Pass
		5580	20	4.25	5579.960	5572.749 to 5587.251	Pass
				5	5580.020	5572.749 to 5587.251	Pass
				5.75	5579.980	5572.749 to 5587.251	Pass
			0	5	5579.980	5572.749 to 5587.251	Pass
			30	5	5579.980	5572.749 to 5587.251	Pass
		5700	20	4.25	5700.040	5692.779 to 5707.221	Pass
				5	5699.980	5692.779 to 5707.221	Pass
				5.75	5699.940	5692.779 to 5707.221	Pass
			0	5	5699.960	5692.779 to 5707.221	Pass
			30	5	5699.980	5692.779 to 5707.221	Pass
		5745	20	4.25	5744.980	5737.778 to 5752.222	Pass
				5	5745.000	5737.778 to 5752.222	Pass
				5.75	5745.060	5737.778 to 5752.222	Pass
			0	5	5745.020	5737.778 to 5752.222	Pass
			30	5	5745.020	5737.778 to 5752.222	Pass
		5785	20	4.25	5785.020	5777.766 to 5792.234	Pass
				5	5784.960	5777.766 to 5792.234	Pass
				5.75	5784.980	5777.766 to 5792.234	Pass
			0	5	5784.920	5777.766 to 5792.234	Pass
			30	5	5785.040	5777.766 to 5792.234	Pass
		5825	20	4.25	5824.960	5817.768 to 5832.232	Pass
				5	5824.980	5817.768 to 5832.232	Pass
				5.75	5824.960	5817.768 to 5832.232	Pass
			0	5	5824.980	5817.768 to 5832.232	Pass
			30	5	5824.960	5817.768 to 5832.232	Pass

		5180	20	4.25	5179.980	5172.448 to 5187.552	Pass
				5	5179.960	5172.448 to 5187.552	Pass
				5.75	5179.980	5172.448 to 5187.552	Pass
			0	5	5179.960	5172.448 to 5187.552	Pass
			30	5	5179.980	5172.448 to 5187.552	Pass
		5200	20	4.25	5200.000	5192.453 to 5207.547	Pass
				5	5200.000	5192.453 to 5207.547	Pass
				5.75	5200.000	5192.453 to 5207.547	Pass
			0	5	5199.980	5192.453 to 5207.547	Pass
			30	5	5200.040	5192.453 to 5207.547	Pass
		5240	20	4.25	5240.020	5232.448 to 5247.552	Pass
				5	5240.020	5232.448 to 5247.552	Pass
				5.75	5239.980	5232.448 to 5247.552	Pass
			0	5	5240.020	5232.448 to 5247.552	Pass

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		5260	30	5	5240.000	5232.448 to 5247.552	Pass
			4.25		5259.940	5252.448 to 5267.552	Pass
			20	5	5259.980	5252.448 to 5267.552	Pass
			5.75		5260.000	5252.448 to 5267.552	Pass
			0	5	5259.980	5252.448 to 5267.552	Pass
			30	5	5260.000	5252.448 to 5267.552	Pass
		5300	4.25		5299.960	5292.436 to 5307.564	Pass
			20	5	5300.000	5292.436 to 5307.564	Pass
			5.75		5299.980	5292.436 to 5307.564	Pass
			0	5	5299.960	5292.436 to 5307.564	Pass
			30	5	5300.000	5292.436 to 5307.564	Pass
		5320	4.25		5320.040	5312.464 to 5327.536	Pass
			20	5	5319.980	5312.464 to 5327.536	Pass
			5.75		5320.000	5312.464 to 5327.536	Pass
			0	5	5320.000	5312.464 to 5327.536	Pass
			30	5	5320.000	5312.464 to 5327.536	Pass
		5500	4.25		5499.960	5492.445 to 5507.555	Pass
			20	5	5499.960	5492.445 to 5507.555	Pass
			5.75		5499.980	5492.445 to 5507.555	Pass
			0	5	5500.000	5492.445 to 5507.555	Pass
			30	5	5499.960	5492.445 to 5507.555	Pass
		5580	4.25		5580.000	5572.467 to 5587.533	Pass
			20	5	5579.980	5572.467 to 5587.533	Pass
			5.75		5579.960	5572.467 to 5587.533	Pass
			0	5	5579.980	5572.467 to 5587.533	Pass
			30	5	5579.980	5572.467 to 5587.533	Pass
		5700	4.25		5700.000	5692.423 to 5707.577	Pass
			20	5	5700.000	5692.423 to 5707.577	Pass
			5.75		5699.940	5692.423 to 5707.577	Pass
			0	5	5699.980	5692.423 to 5707.577	Pass
			30	5	5700.020	5692.423 to 5707.577	Pass
		5745	4.25		5745.040	5737.481 to 5752.519	Pass
			20	5	5744.960	5737.481 to 5752.519	Pass
			5.75		5745.020	5737.481 to 5752.519	Pass
			0	5	5745.000	5737.481 to 5752.519	Pass
			30	5	5745.020	5737.481 to 5752.519	Pass
		5785	4.25		5784.960	5777.481 to 5792.519	Pass
			20	5	5784.960	5777.481 to 5792.519	Pass
			5.75		5784.980	5777.481 to 5792.519	Pass
			0	5	5784.980	5777.481 to 5792.519	Pass
			30	5	5784.980	5777.481 to 5792.519	Pass
	5825	20	4.25		5824.980	5817.436 to 5832.564	Pass

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				5	5824.960	5817.436 to 5832.564	Pass	
				5.75	5825.020	5817.436 to 5832.564	Pass	
				0	5	5824.940	5817.436 to 5832.564	Pass
				30	5	5824.900	5817.436 to 5832.564	Pass

802.11n (HT40)	SISO	5190	20	4.25	5190.080	5175.214 to 5204.786	Pass
				5	5190.040	5175.214 to 5204.786	Pass
			5.75	5190.000	5175.214 to 5204.786	Pass	
			0	5	5190.080	5175.214 to 5204.786	Pass
			30	5	5190.000	5175.214 to 5204.786	Pass
		5230	20	4.25	5230.080	5215.198 to 5244.802	Pass
				5	5230.040	5215.198 to 5244.802	Pass
			5.75	5230.040	5215.198 to 5244.802	Pass	
			0	5	5230.000	5215.198 to 5244.802	Pass
			30	5	5230.000	5215.198 to 5244.802	Pass
		5270	20	4.25	5270.080	5255.27 to 5284.73	Pass
				5	5270.040	5255.27 to 5284.73	Pass
			5.75	5270.000	5255.27 to 5284.73	Pass	
			0	5	5270.040	5255.27 to 5284.73	Pass
			30	5	5270.040	5255.27 to 5284.73	Pass
		5310	20	4.25	5310.000	5295.239 to 5324.761	Pass
				5	5309.960	5295.239 to 5324.761	Pass
			5.75	5310.000	5295.239 to 5324.761	Pass	
			0	5	5310.040	5295.239 to 5324.761	Pass
			30	5	5310.080	5295.239 to 5324.761	Pass
		5510	20	4.25	5500.080	5495.259 to 5524.741	Pass
				5	5500.080	5495.259 to 5524.741	Pass
			5.75	5500.040	5495.259 to 5524.741	Pass	
			0	5	5500.040	5495.259 to 5524.741	Pass
			30	5	5500.040	5495.259 to 5524.741	Pass
		5550	20	4.25	5550.080	5535.194 to 5564.806	Pass
				5	5550.000	5535.194 to 5564.806	Pass
			5.75	5550.000	5535.194 to 5564.806	Pass	
			0	5	5550.080	5535.194 to 5564.806	Pass
			30	5	5550.080	5535.194 to 5564.806	Pass
		5670	20	4.25	5670.000	5655.252 to 5684.748	Pass
				5	5670.000	5655.252 to 5684.748	Pass
			5.75	5670.040	5655.252 to 5684.748	Pass	
			0	5	5670.000	5655.252 to 5684.748	Pass
			30	5	5670.040	5655.252 to 5684.748	Pass
		5755	20	4.25	5755.040	5740.223 to 5769.777	Pass
				5	5755.000	5740.223 to 5769.777	Pass

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			5.75	5755.040	5740.223 to 5769.777	Pass
		0	5	5755.000	5740.223 to 5769.777	Pass
		30	5	5755.040	5740.223 to 5769.777	Pass
5795		20	4.25	5795.080	5780.255 to 5809.745	Pass
			5	5795.040	5780.255 to 5809.745	Pass
			5.75	5795.000	5780.255 to 5809.745	Pass
		0	5	5794.960	5780.255 to 5809.745	Pass
			30	5794.920	5780.255 to 5809.745	Pass

802.11ac (VHT20)	SISO	5180	20	4.25	5180.020	5172.51 to 5187.49	Pass
				5	5179.960	5172.51 to 5187.49	Pass
				5.75	5179.920	5172.51 to 5187.49	Pass
			0	5	5179.980	5172.51 to 5187.49	Pass
			30	5	5179.960	5172.51 to 5187.49	Pass
		5200	20	4.25	5199.960	5192.45 to 5207.55	Pass
				5	5200.000	5192.45 to 5207.55	Pass
				5.75	5199.960	5192.45 to 5207.55	Pass
			0	5	5199.960	5192.45 to 5207.55	Pass
			30	5	5199.980	5192.45 to 5207.55	Pass
		5240	20	4.25	5239.980	5232.482 to 5247.518	Pass
				5	5239.960	5232.482 to 5247.518	Pass
				5.75	5239.980	5232.482 to 5247.518	Pass
			0	5	5239.960	5232.482 to 5247.518	Pass
			30	5	5240.000	5232.482 to 5247.518	Pass
		5260	20	4.25	5259.920	5252.499 to 5267.501	Pass
				5	5259.940	5252.499 to 5267.501	Pass
				5.75	5259.920	5252.499 to 5267.501	Pass
			0	5	5259.920	5252.499 to 5267.501	Pass
			30	5	5259.920	5252.499 to 5267.501	Pass
		5300	20	4.25	5300.000	5292.498 to 5307.502	Pass
				5	5299.980	5292.498 to 5307.502	Pass
				5.75	5299.980	5292.498 to 5307.502	Pass
			0	5	5299.960	5292.498 to 5307.502	Pass
			30	5	5299.980	5292.498 to 5307.502	Pass
		5320	20	4.25	5320.000	5312.497 to 5327.503	Pass
				5	5320.000	5312.497 to 5327.503	Pass
				5.75	5320.000	5312.497 to 5327.503	Pass
			0	5	5320.000	5312.497 to 5327.503	Pass
			30	5	5320.000	5312.497 to 5327.503	Pass
		5500	20	4.25	5499.920	5492.485 to 5507.515	Pass
				5	5499.920	5492.485 to 5507.515	Pass
				5.75	5499.920	5492.485 to 5507.515	Pass

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			0	5	5499.900	5492.485 to 5507.515	Pass
			30	5	5499.960	5492.485 to 5507.515	Pass
		5580	20	4.25	5579.920	5572.501 to 5587.499	Pass
				5	5579.940	5572.501 to 5587.499	Pass
				5.75	5579.920	5572.501 to 5587.499	Pass
			30	0	5579.940	5572.501 to 5587.499	Pass
				30	5579.920	5572.501 to 5587.499	Pass
		5700	20	4.25	5699.980	5692.476 to 5707.524	Pass
				5	5699.940	5692.476 to 5707.524	Pass
				5.75	5699.980	5692.476 to 5707.524	Pass
			30	0	5700.000	5692.476 to 5707.524	Pass
				30	5700.000	5692.476 to 5707.524	Pass
		5745	20	4.25	5744.980	5737.506 to 5752.494	Pass
				5	5744.960	5737.506 to 5752.494	Pass
				5.75	5745.020	5737.506 to 5752.494	Pass
			30	0	5744.960	5737.506 to 5752.494	Pass
				30	5744.980	5737.506 to 5752.494	Pass
		5785	20	4.25	5784.980	5777.5 to 5792.5	Pass
				5	5784.980	5777.5 to 5792.5	Pass
				5.75	5784.960	5777.5 to 5792.5	Pass
			30	0	5784.960	5777.5 to 5792.5	Pass
				30	5784.980	5777.5 to 5792.5	Pass
		5825	20	4.25	5824.940	5817.432 to 5832.568	Pass
				5	5824.940	5817.432 to 5832.568	Pass
				5.75	5824.960	5817.432 to 5832.568	Pass
			30	0	5824.940	5817.432 to 5832.568	Pass
				30	5824.960	5817.432 to 5832.568	Pass

		SISO	5190	20	4.25	5190.000	5175.256 to 5204.744	Pass
					5	5190.040	5175.256 to 5204.744	Pass
					5.75	5189.960	5175.256 to 5204.744	Pass
				30	0	5190.040	5175.256 to 5204.744	Pass
					30	5190.000	5175.256 to 5204.744	Pass
		5230	20	4.25	5229.960	5215.219 to 5244.781	Pass	
					5	5229.960	5215.219 to 5244.781	Pass
					5.75	5229.920	5215.219 to 5244.781	Pass
			30	0	5229.960	5215.219 to 5244.781	Pass	
					30	5230.000	5215.219 to 5244.781	Pass
		5270	20	4.25	5270.040	5255.088 to 5284.912	Pass	
					5	5269.960	5255.088 to 5284.912	Pass
					5.75	5270.000	5255.088 to 5284.912	Pass
			0	5	5270.040	5255.088 to 5284.912	Pass	

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		5310	30	5	5270.040	5255.088 to 5284.912	Pass
			4.25		5310.000	5295.227 to 5324.773	Pass
			20	5	5310.040	5295.227 to 5324.773	Pass
			5.75		5310.080	5295.227 to 5324.773	Pass
			0	5	5310.080	5295.227 to 5324.773	Pass
			30	5	5310.040	5295.227 to 5324.773	Pass
		5510	4.25		5510.000	5495.246 to 5524.754	Pass
			20	5	5510.000	5495.246 to 5524.754	Pass
			5.75		5509.960	5495.246 to 5524.754	Pass
			0	5	5509.920	5495.246 to 5524.754	Pass
			30	5	5510.000	5495.246 to 5524.754	Pass
		5550	4.25		5549.960	5535.203 to 5564.797	Pass
			20	5	5550.040	5535.203 to 5564.797	Pass
			5.75		5550.000	5535.203 to 5564.797	Pass
			0	5	5550.000	5535.203 to 5564.797	Pass
			30	5	5550.000	5535.203 to 5564.797	Pass
		5670	4.25		5670.040	5655.202 to 5684.798	Pass
			20	5	5669.920	5655.202 to 5684.798	Pass
			5.75		5669.960	5655.202 to 5684.798	Pass
			0	5	5669.920	5655.202 to 5684.798	Pass
			30	5	5669.960	5655.202 to 5684.798	Pass
		5755	4.25		5755.040	5740.236 to 5769.764	Pass
			20	5	5755.000	5740.236 to 5769.764	Pass
			5.75		5755.040	5740.236 to 5769.764	Pass
			0	5	5754.960	5740.236 to 5769.764	Pass
			30	5	5755.000	5740.236 to 5769.764	Pass
		5795	4.25		5794.960	5780.246 to 5809.754	Pass
			20	5	5795.040	5780.246 to 5809.754	Pass
			5.75		5795.000	5780.246 to 5809.754	Pass
			0	5	5794.920	5780.246 to 5809.754	Pass
			30	5	5794.920	5780.246 to 5809.754	Pass

802.11ac (VHT80)	SISO	5210	20	4.25	5210.000	5179.887 to 5240.113	Pass
				5	5210.075	5179.887 to 5240.113	Pass
				5.75	5210.000	5179.887 to 5240.113	Pass
			0	5	5210.000	5179.887 to 5240.113	Pass
			30	5	5210.075	5179.887 to 5240.113	Pass
		5290	20	4.25	5290.075	5259.865 to 5320.135	Pass
				5	5290.000	5259.865 to 5320.135	Pass
				5.75	5290.075	5259.865 to 5320.135	Pass
			0	5	5290.000	5259.865 to 5320.135	Pass
			30	5	5290.075	5259.865 to 5320.135	Pass

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		5530	20	4.25	5530.000	5499.861 to 5560.139	Pass	
				5	5530.000	5499.861 to 5560.139	Pass	
				5.75	5530.000	5499.861 to 5560.139	Pass	
				0	5	5530.000	5499.861 to 5560.139	Pass
				30	5	5530.000	5499.861 to 5560.139	Pass
		5775	20	4.25	5775.000	5744.956 to 5805.044	Pass	
				5	5775.000	5744.956 to 5805.044	Pass	
				5.75	5775.000	5744.956 to 5805.044	Pass	
				0	5	5775.000	5744.956 to 5805.044	Pass
				30	5	5775.000	5744.956 to 5805.044	Pass

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