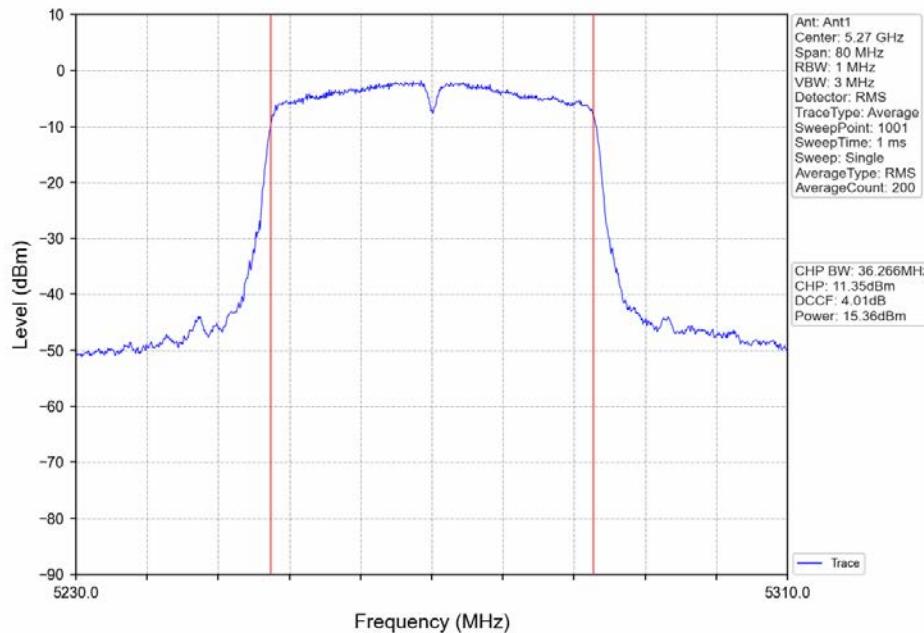
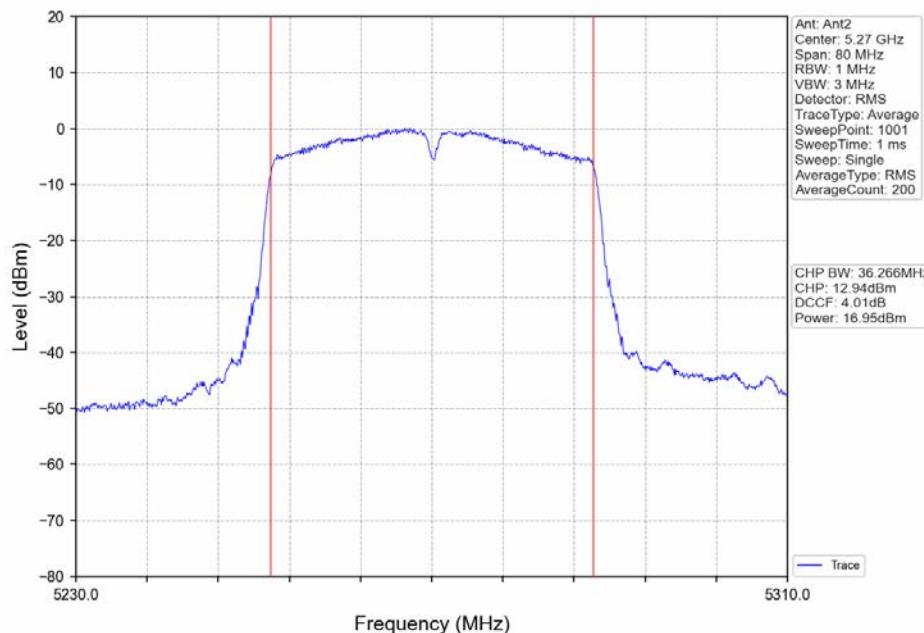


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**802.11n(HT40)\_LCH\_5270MHz\_Ant1\_NTNV****802.11n(HT40)\_LCH\_5270MHz\_Ant2\_NTNV**

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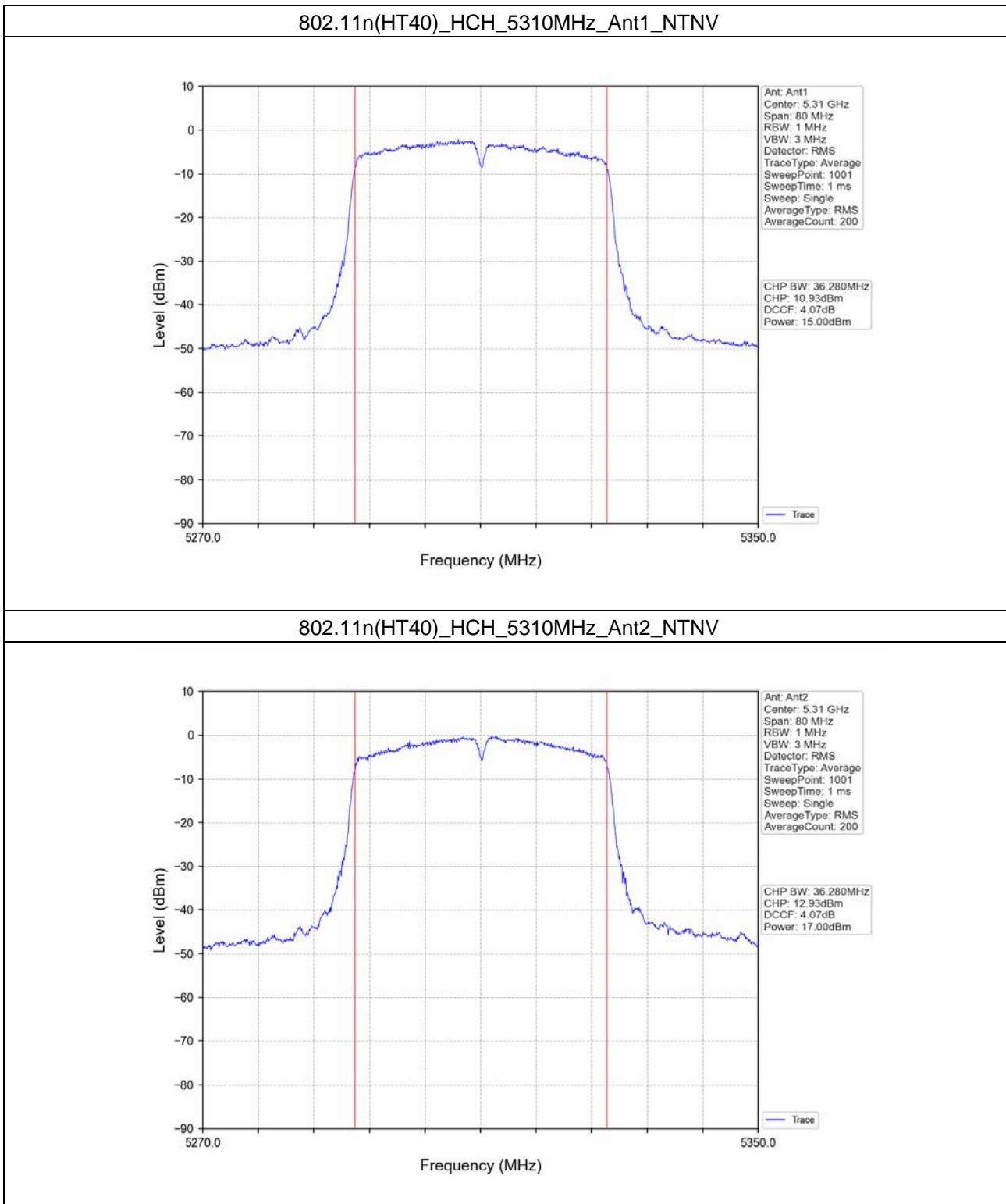
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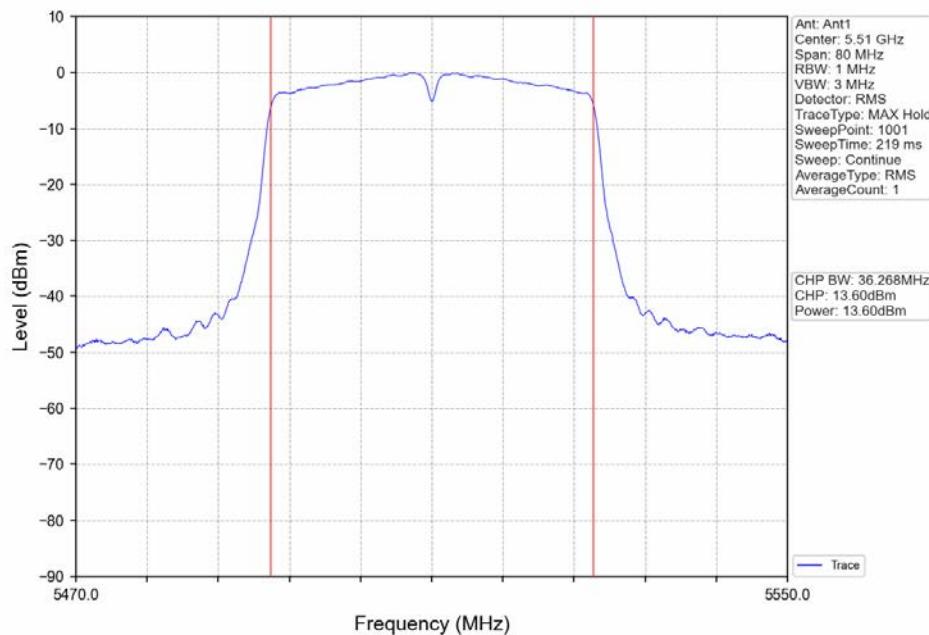
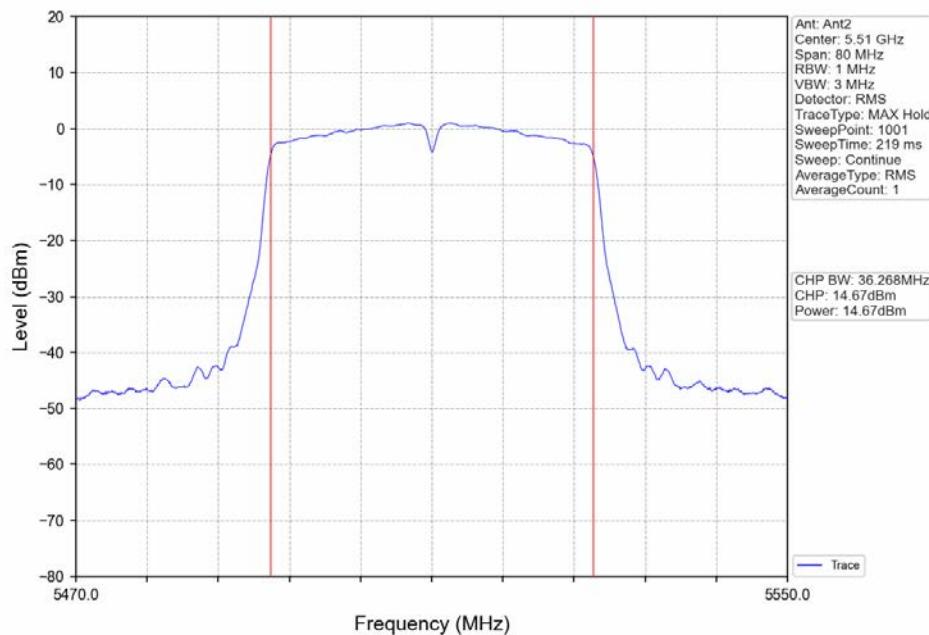
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**802.11n(HT40)\_LCH\_5510MHz\_Ant1\_NTNV****802.11n(HT40)\_LCH\_5510MHz\_Ant2\_NTNV**

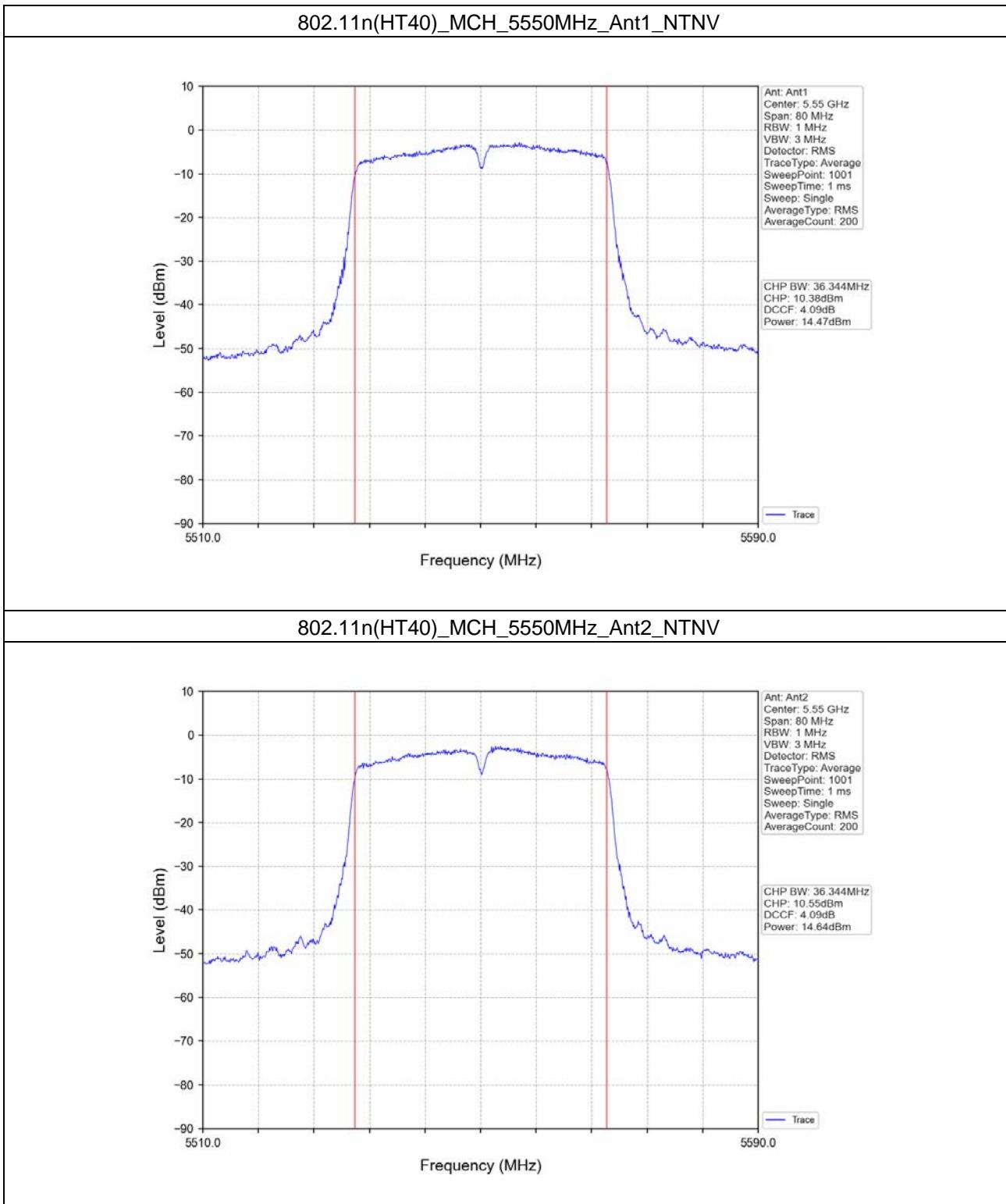
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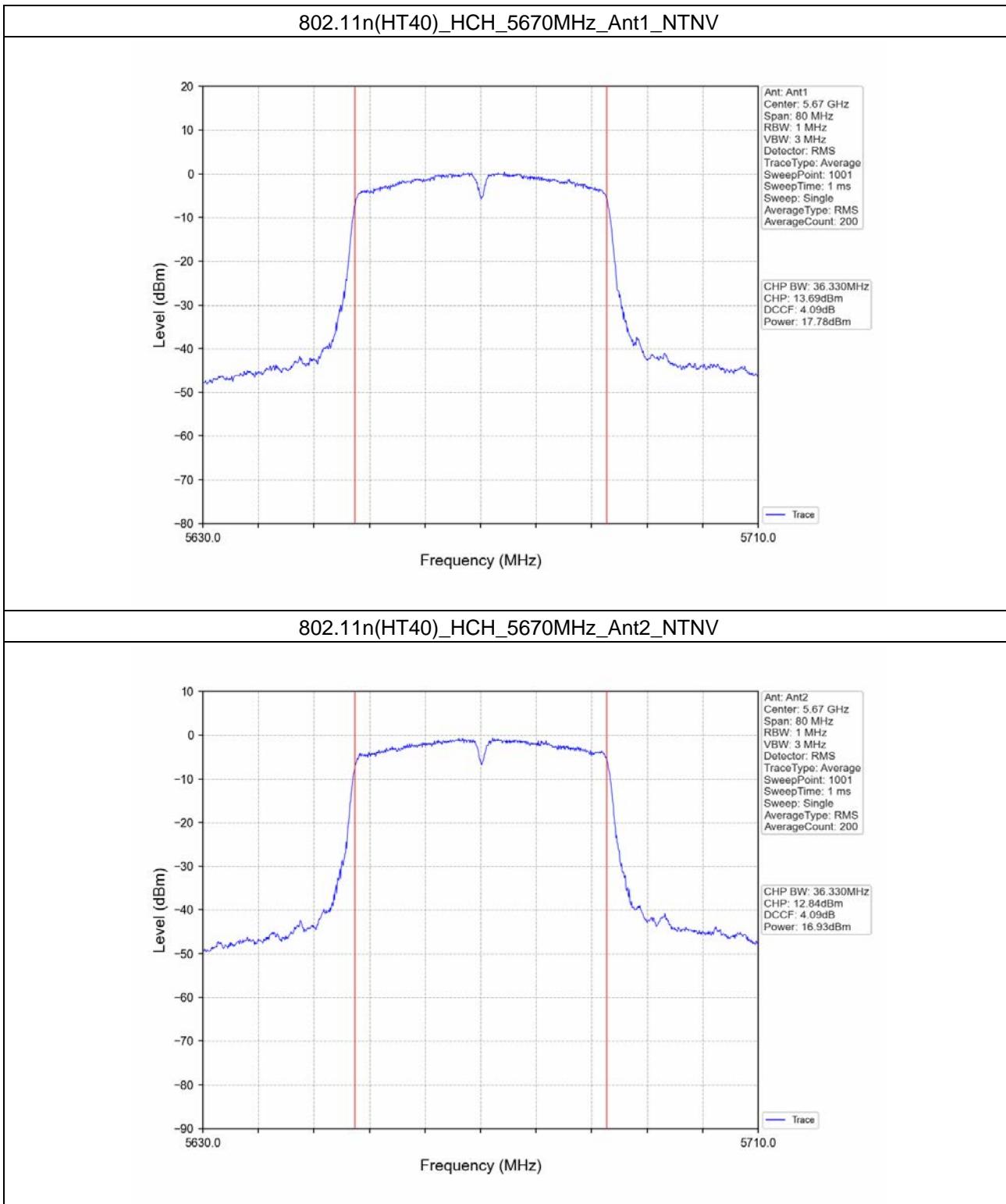
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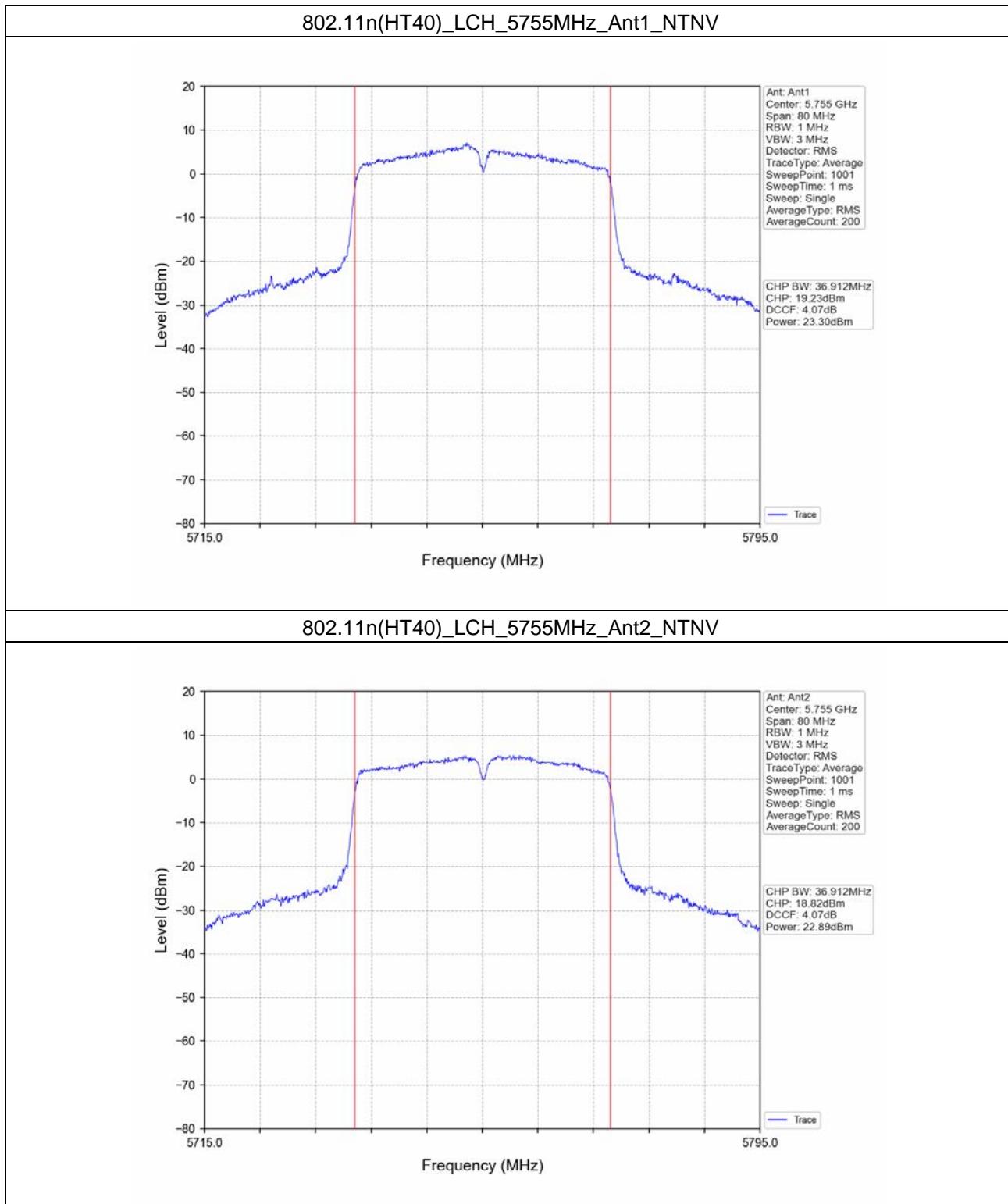
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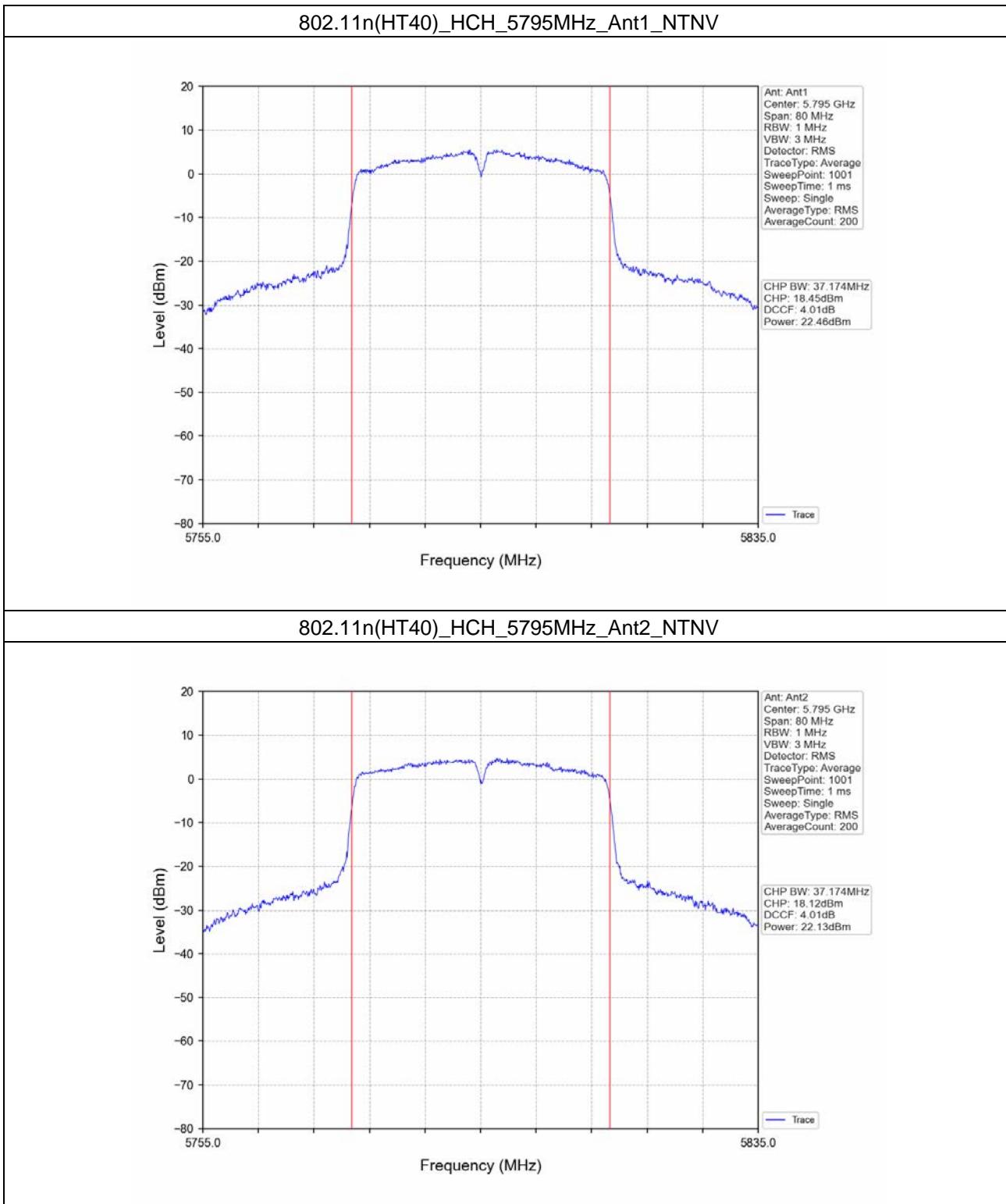
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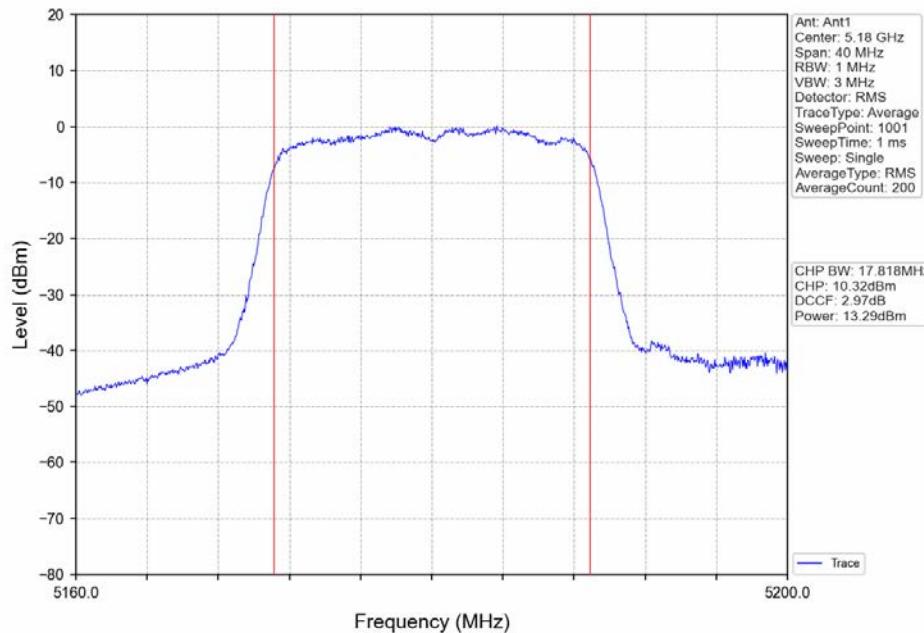
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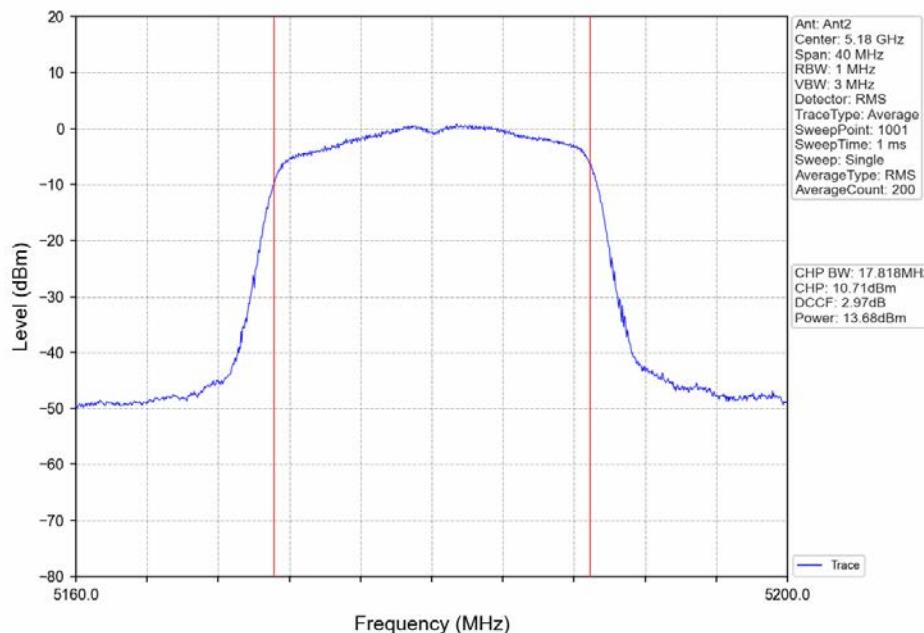




## 802.11ac(VHT20)\_LCH\_5180MHz\_Ant1\_NTNV



## 802.11ac(VHT20)\_LCH\_5180MHz\_Ant2\_NTNV



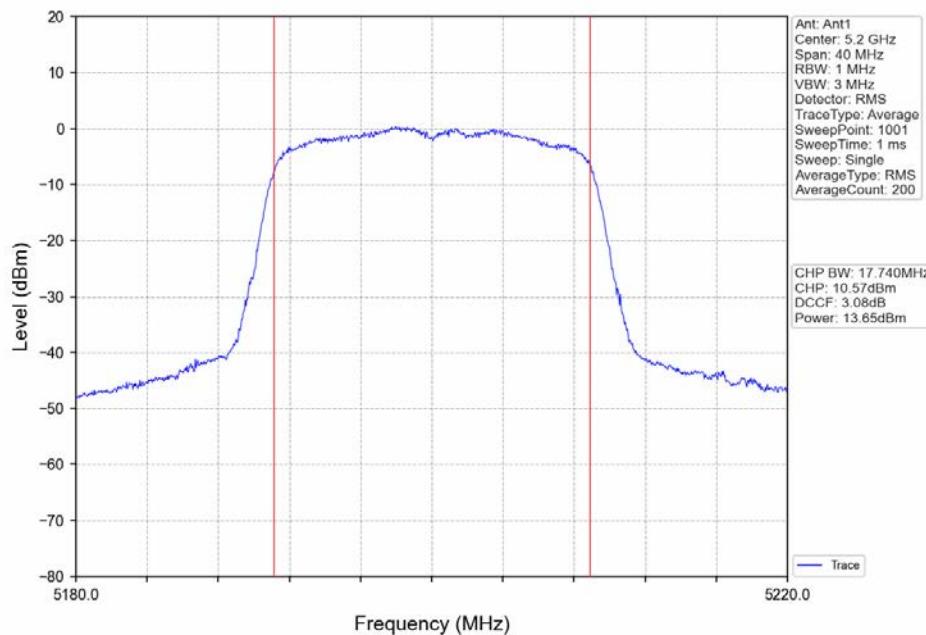
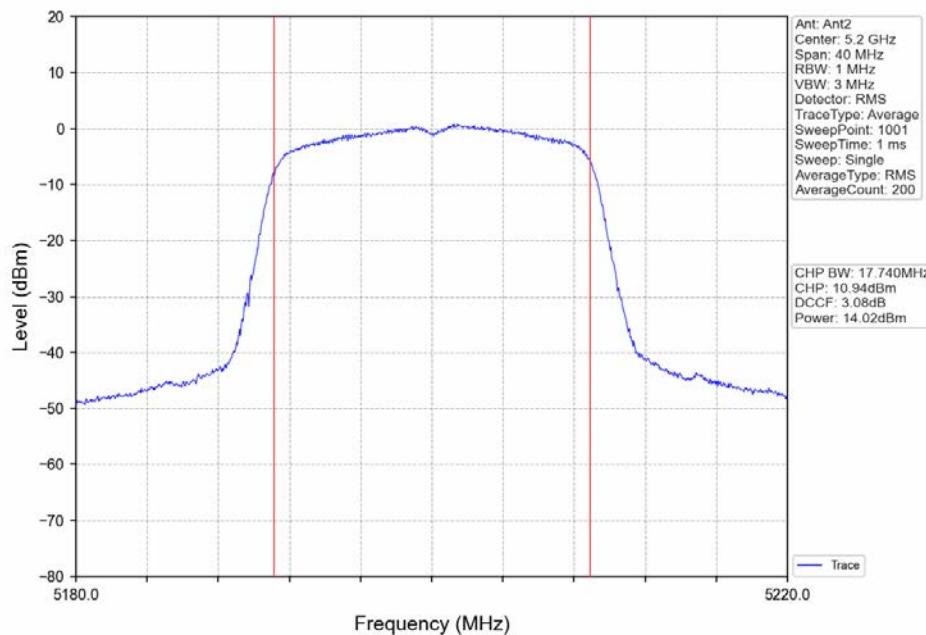
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**802.11ac(VHT20)\_MCH\_5200MHz\_Ant1\_NTNV****802.11ac(VHT20)\_MCH\_5200MHz\_Ant2\_NTNV**

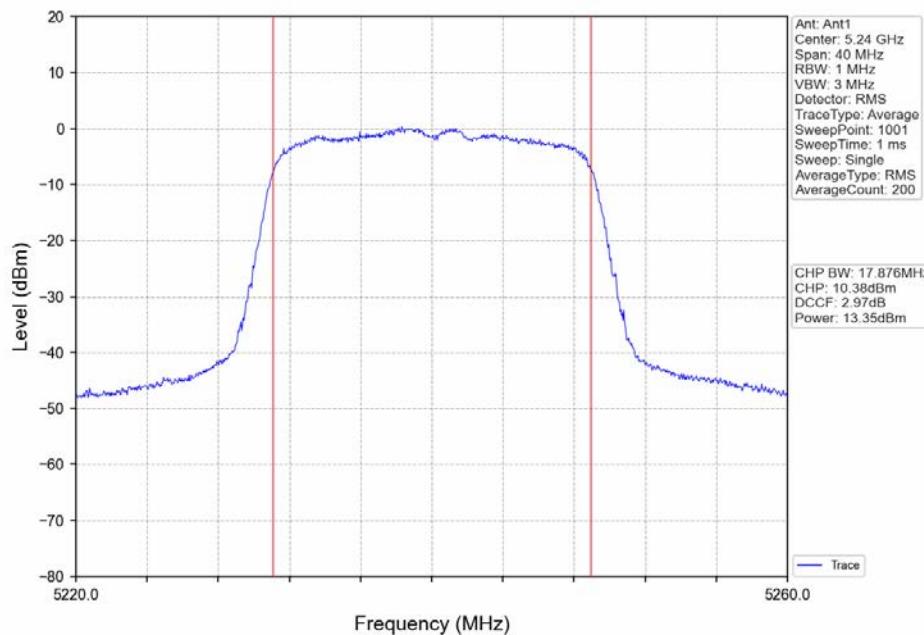
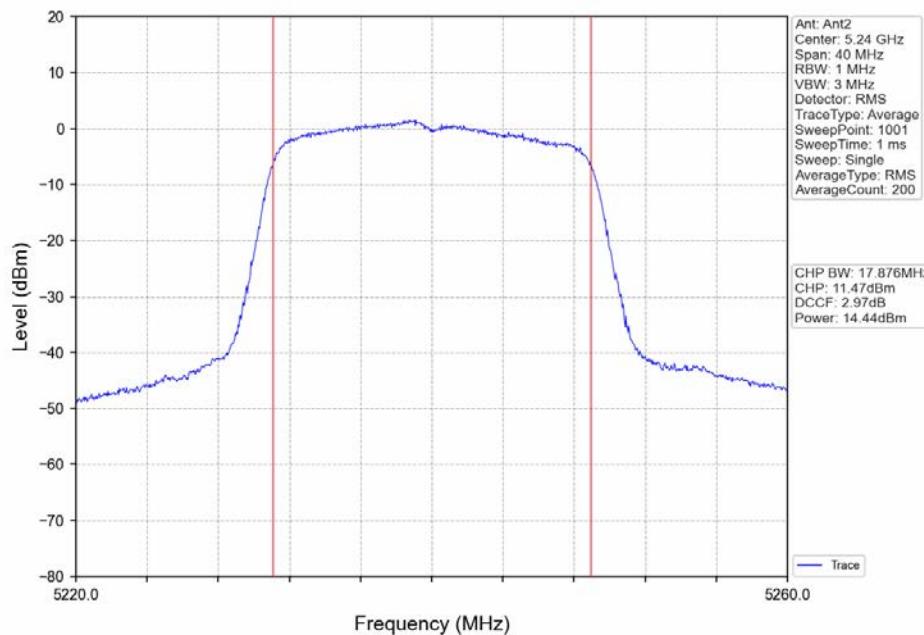
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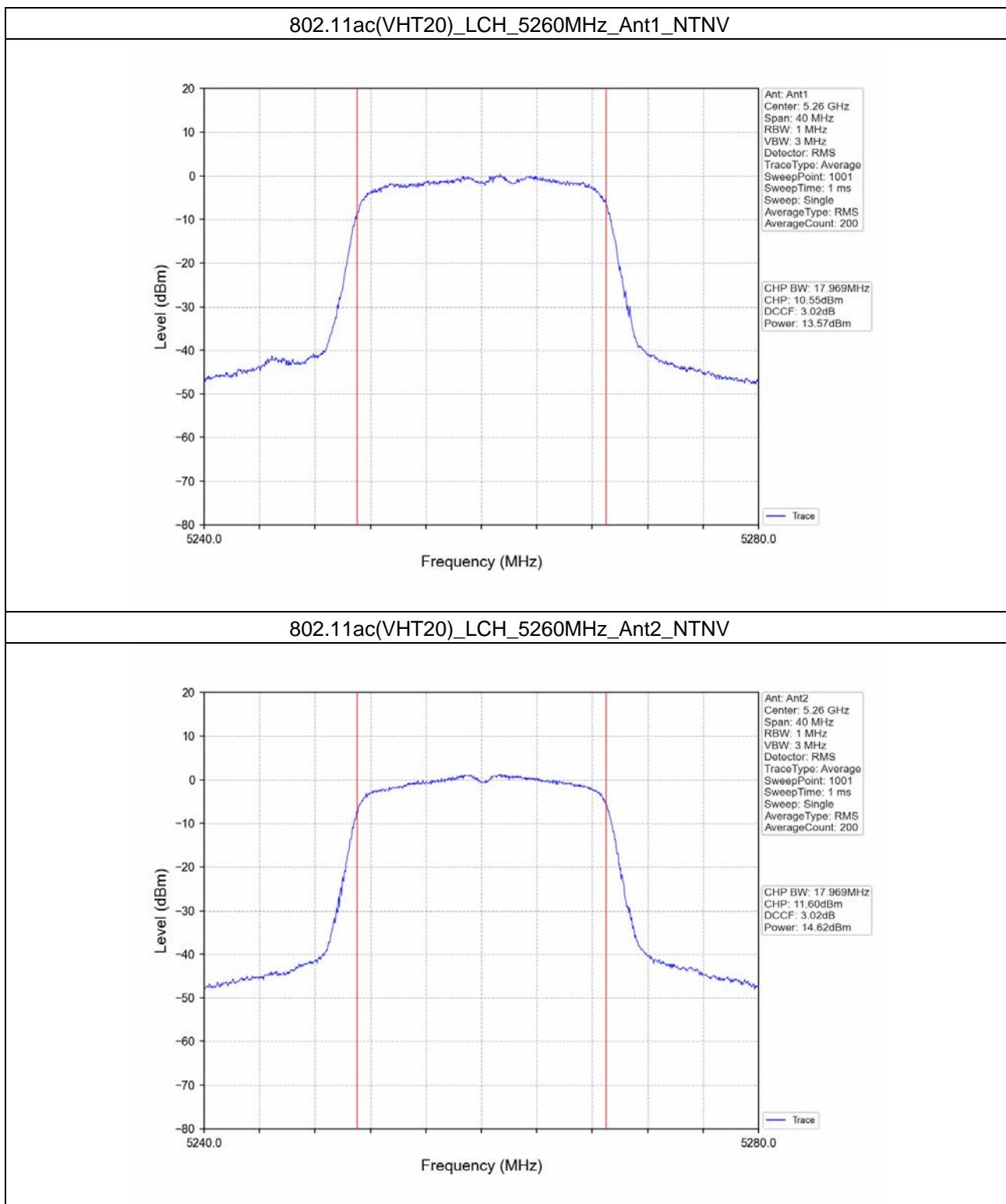
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**802.11ac(VHT20)\_HCH\_5240MHz\_Ant1\_NTNV****802.11ac(VHT20)\_HCH\_5240MHz\_Ant2\_NTNV**

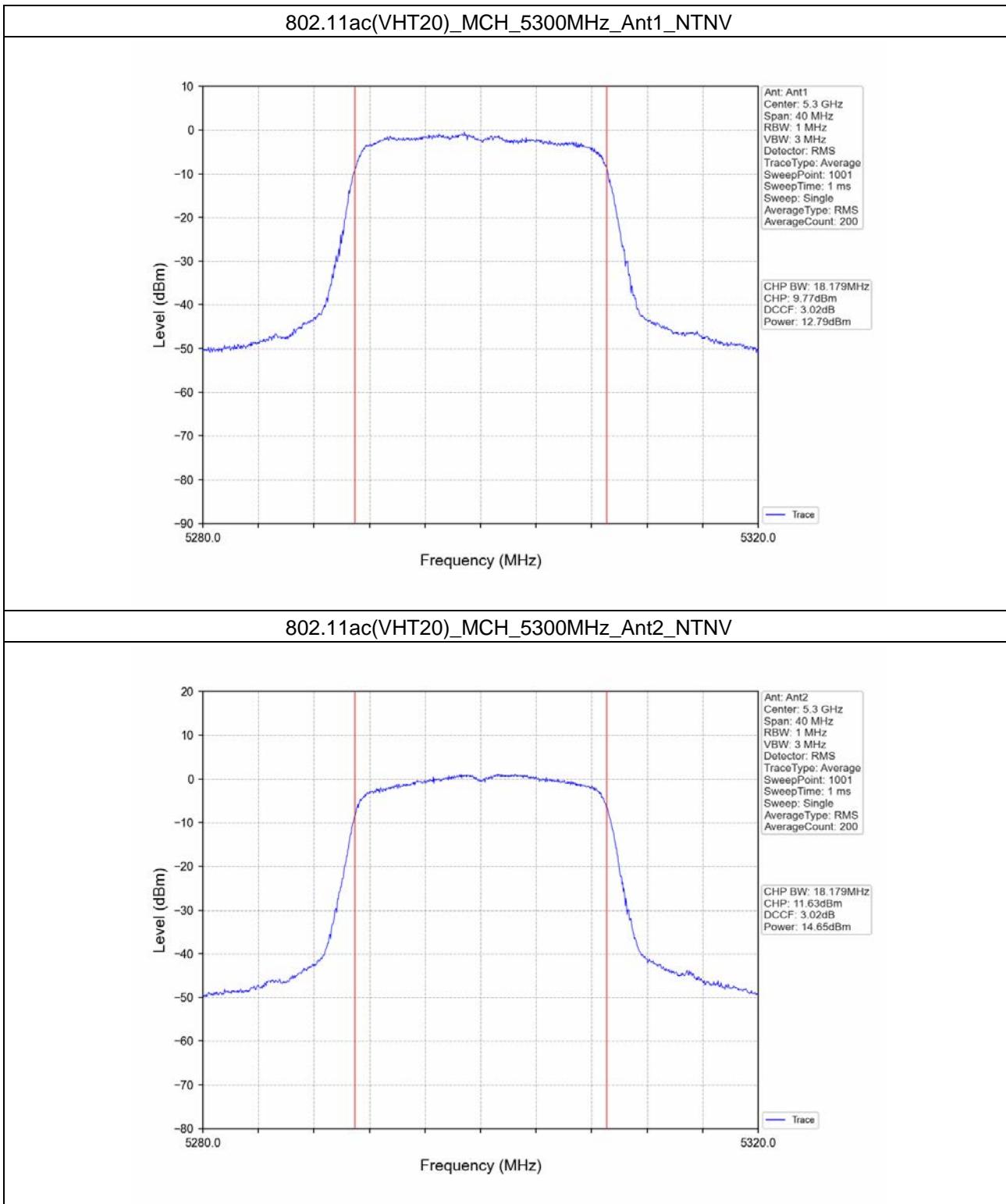
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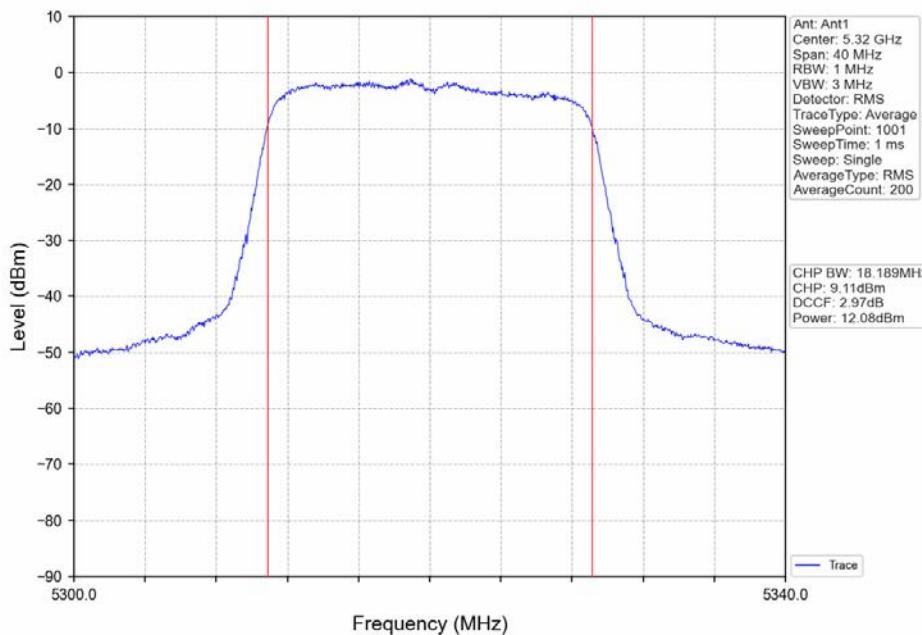
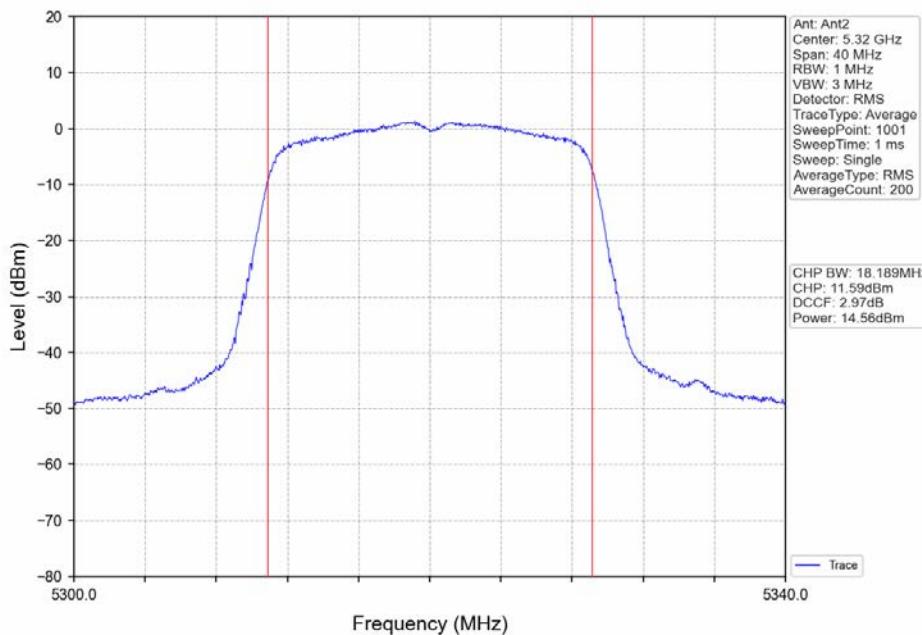
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**802.11ac(VHT20)\_HCH\_5320MHz\_Ant1\_NTNV****802.11ac(VHT20)\_HCH\_5320MHz\_Ant2\_NTNV**

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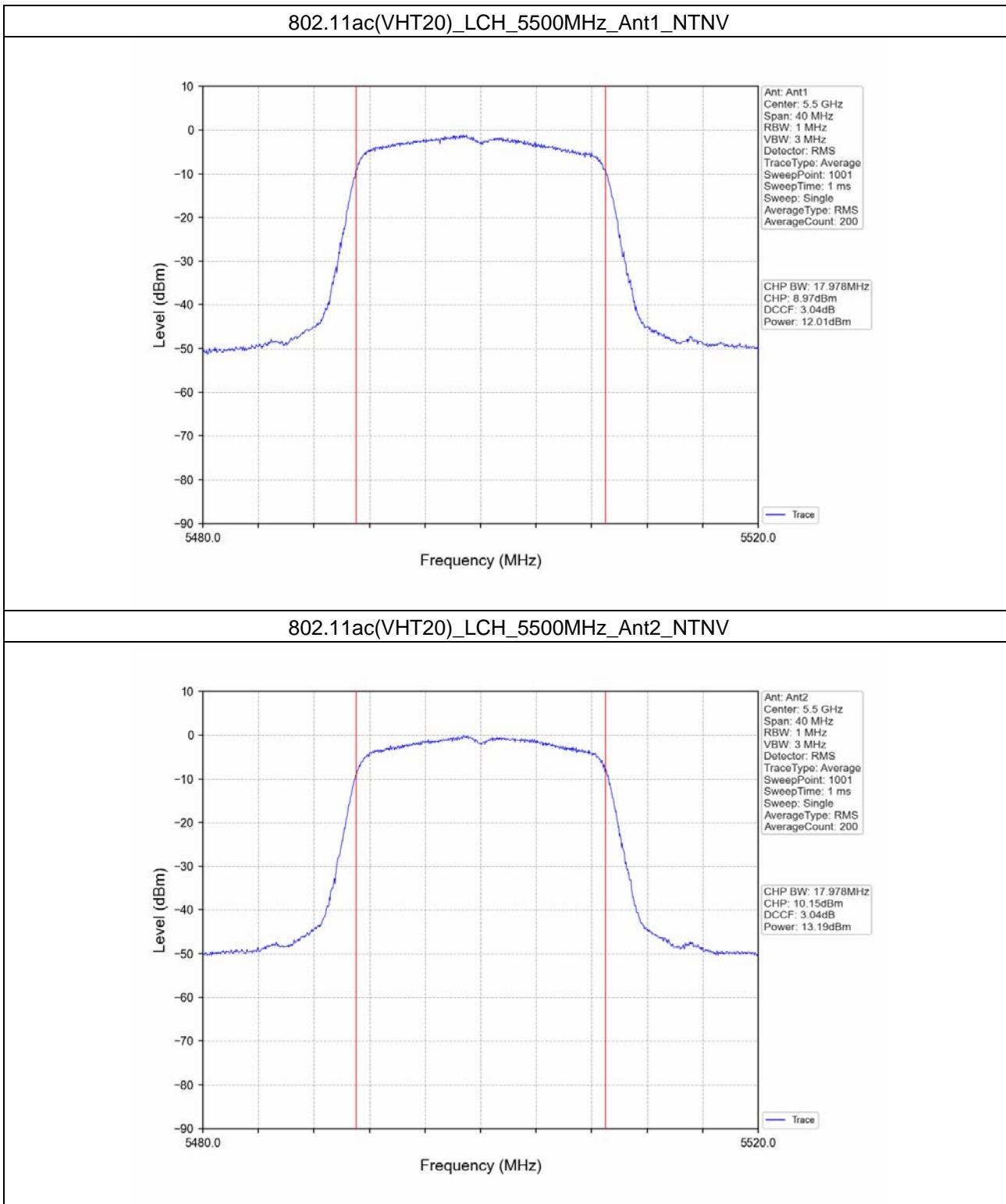
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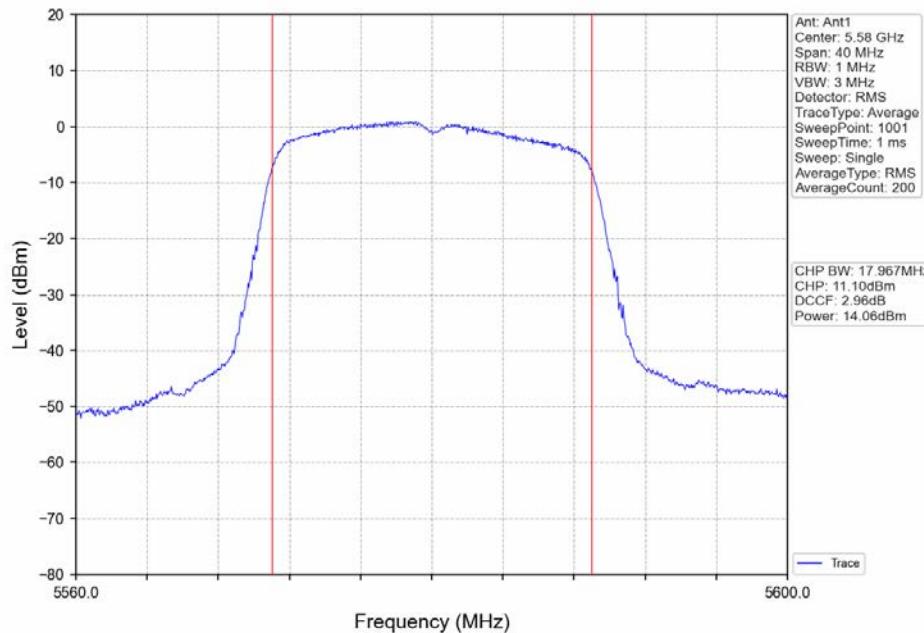
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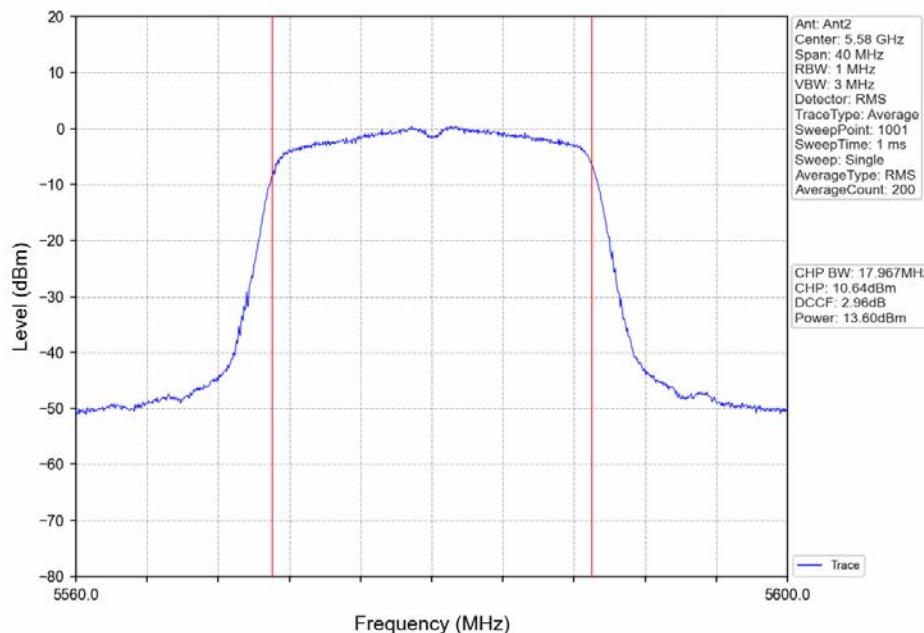
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## 802.11ac(VHT20)\_MCH\_5580MHz\_Ant2\_NTNV



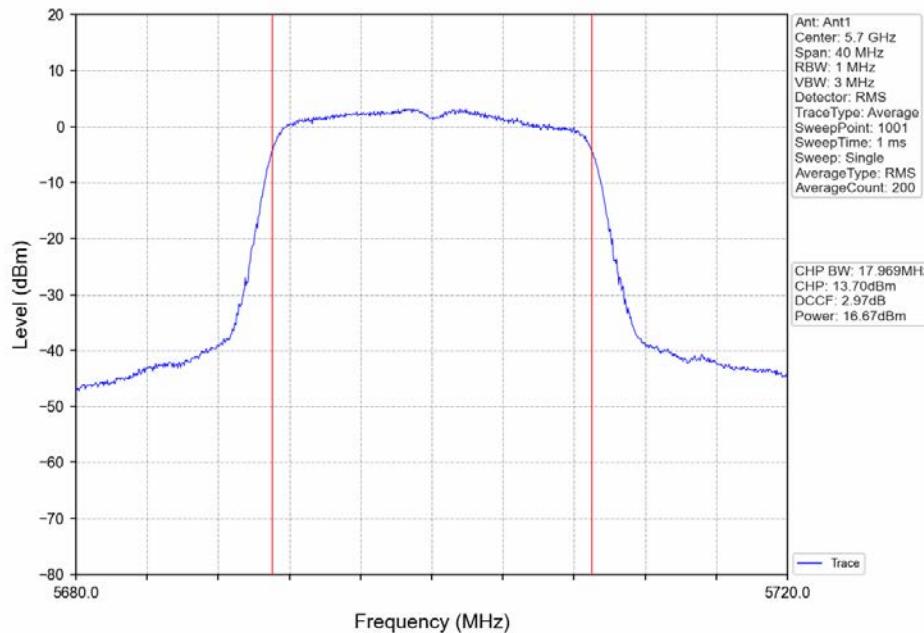
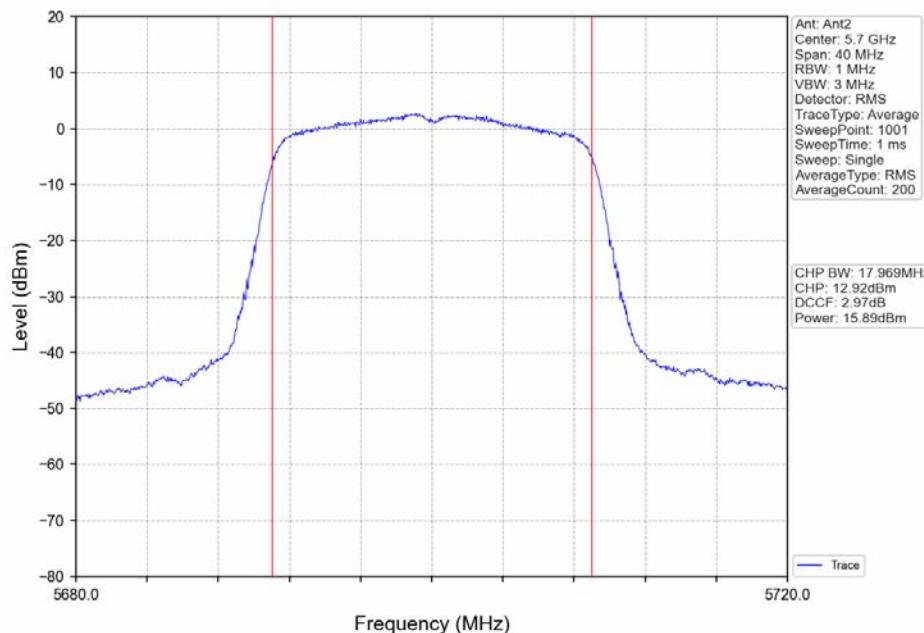
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**802.11ac(VHT20)\_HCH\_5700MHz\_Ant1\_NTNV****802.11ac(VHT20)\_HCH\_5700MHz\_Ant2\_NTNV**

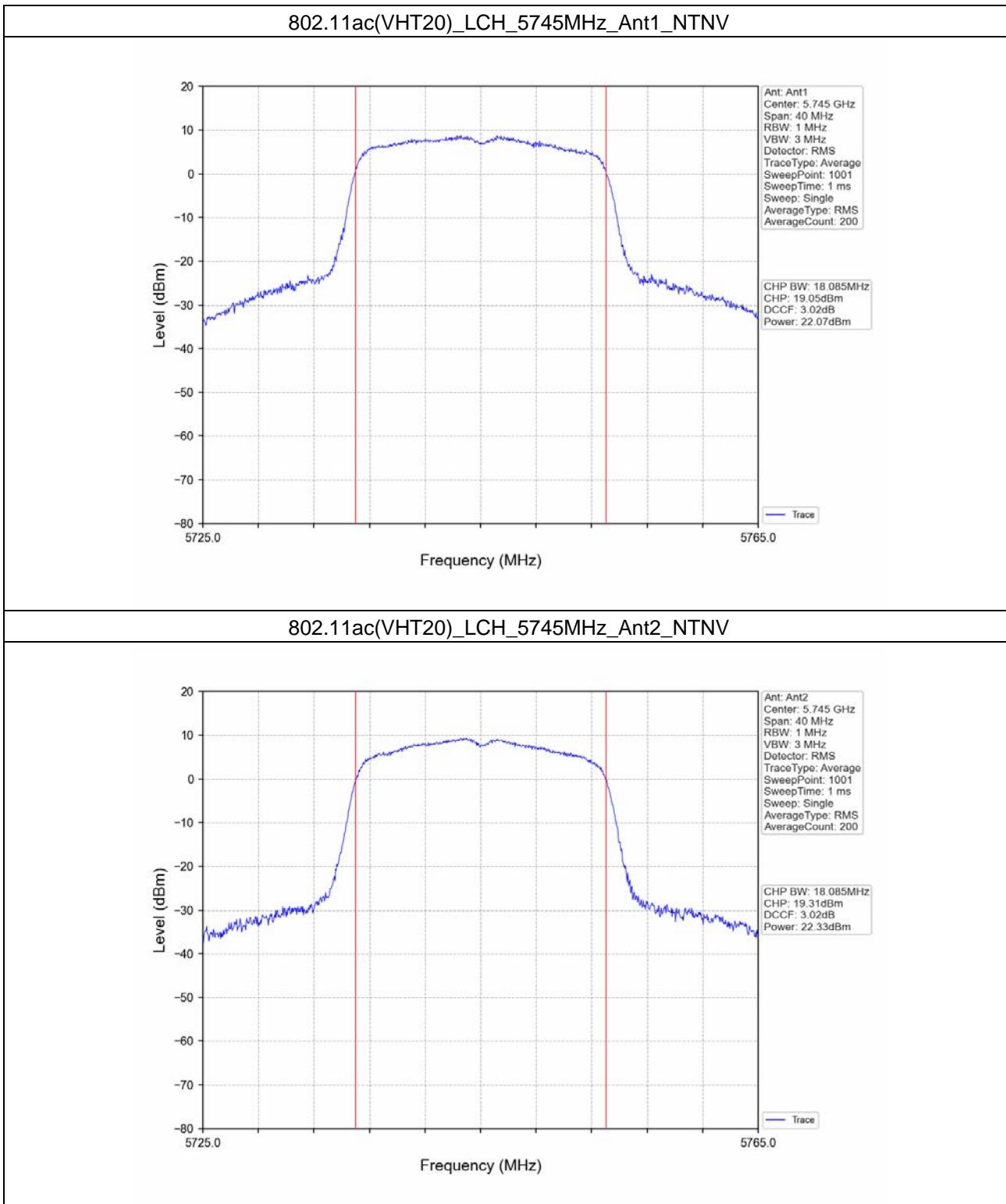
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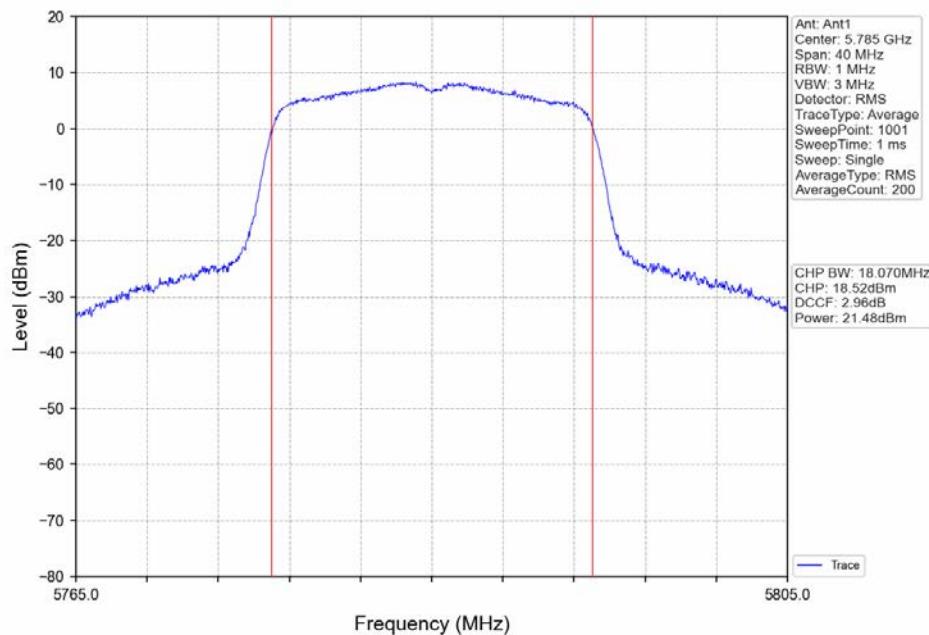
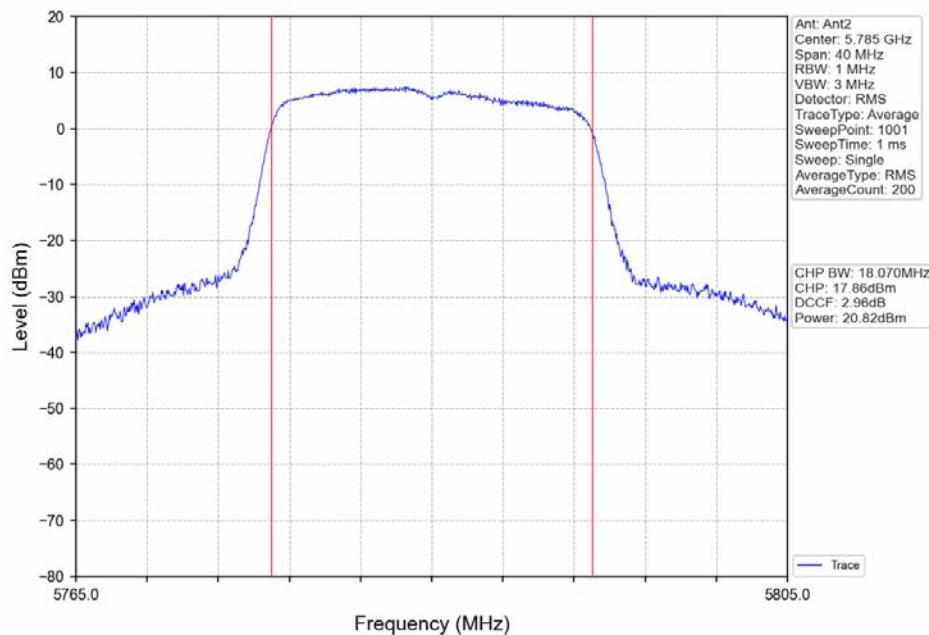
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**802.11ac(VHT20)\_MCH\_5785MHz\_Ant1\_NTNV****802.11ac(VHT20)\_MCH\_5785MHz\_Ant2\_NTNV**

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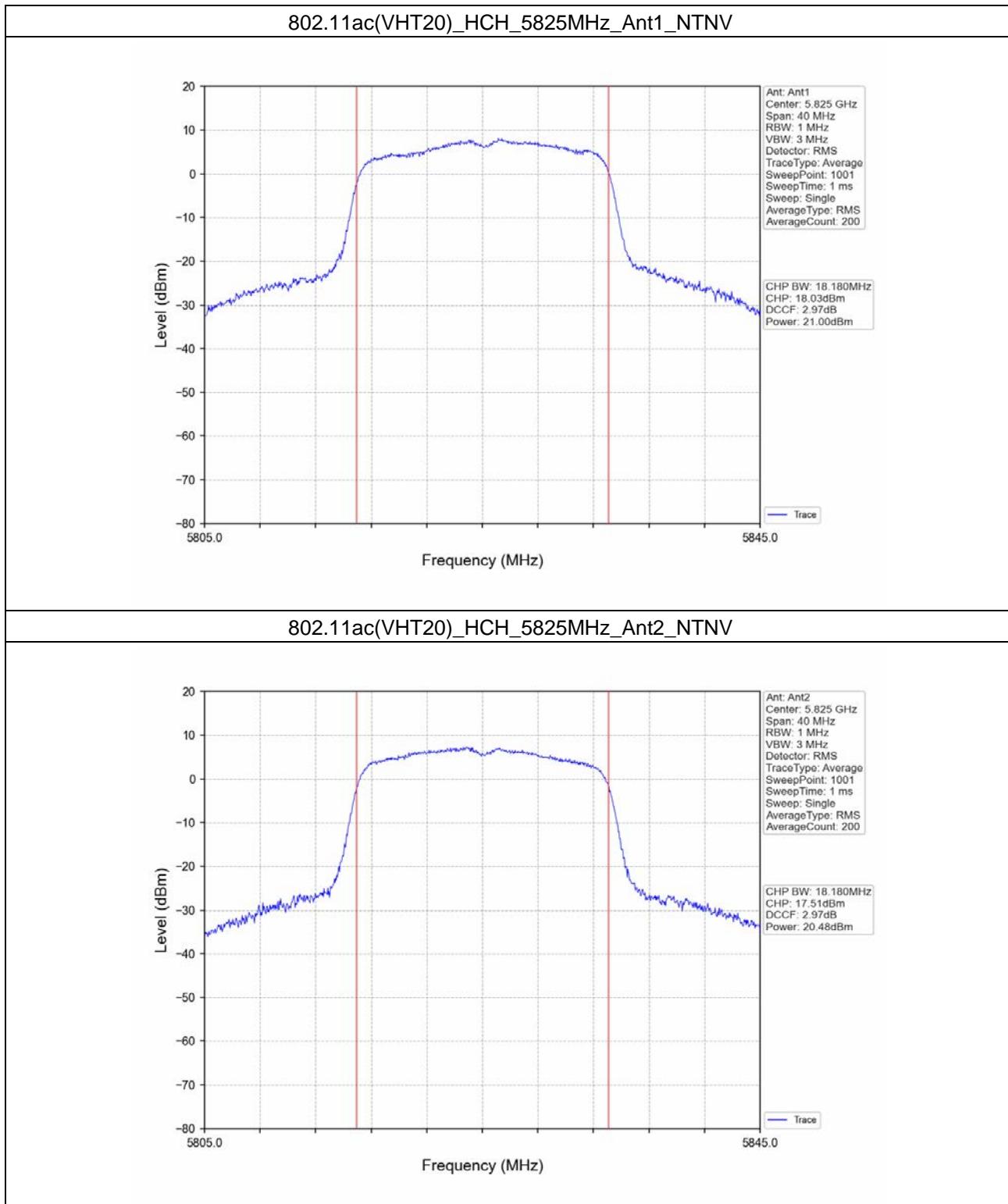


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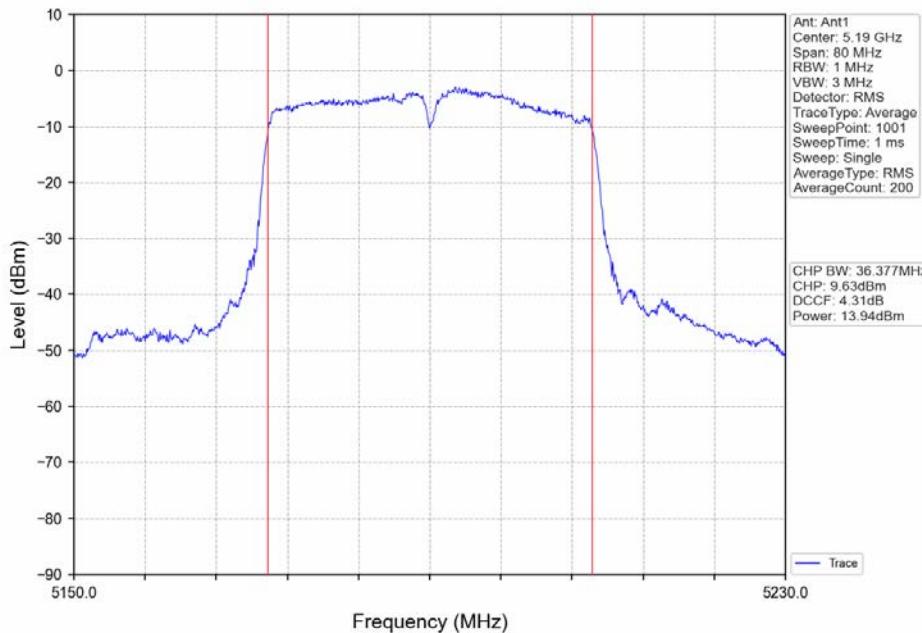
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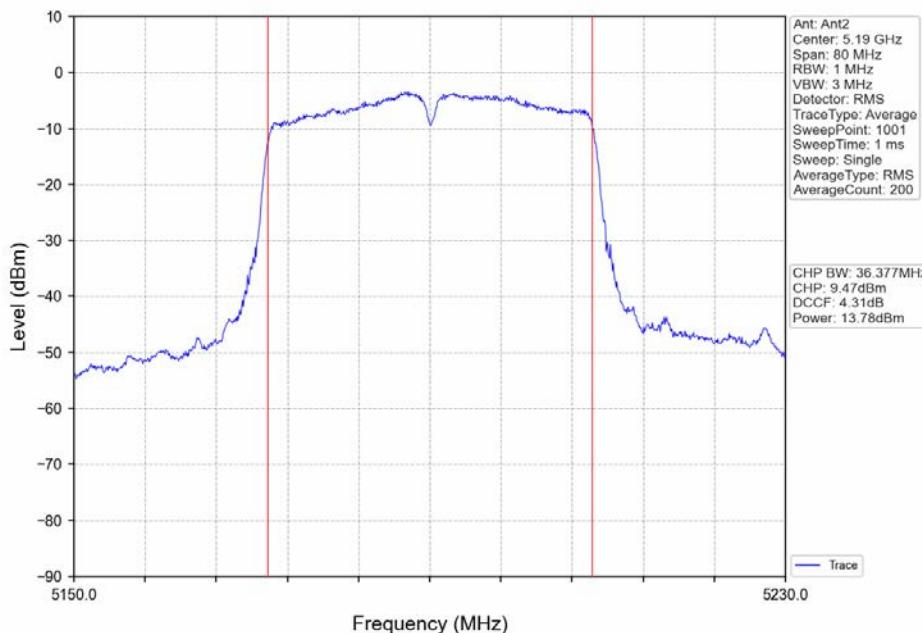
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## 802.11ac(VHT40)\_LCH\_5190MHz\_Ant1\_NTNV



## 802.11ac(VHT40)\_LCH\_5190MHz\_Ant2\_NTNV



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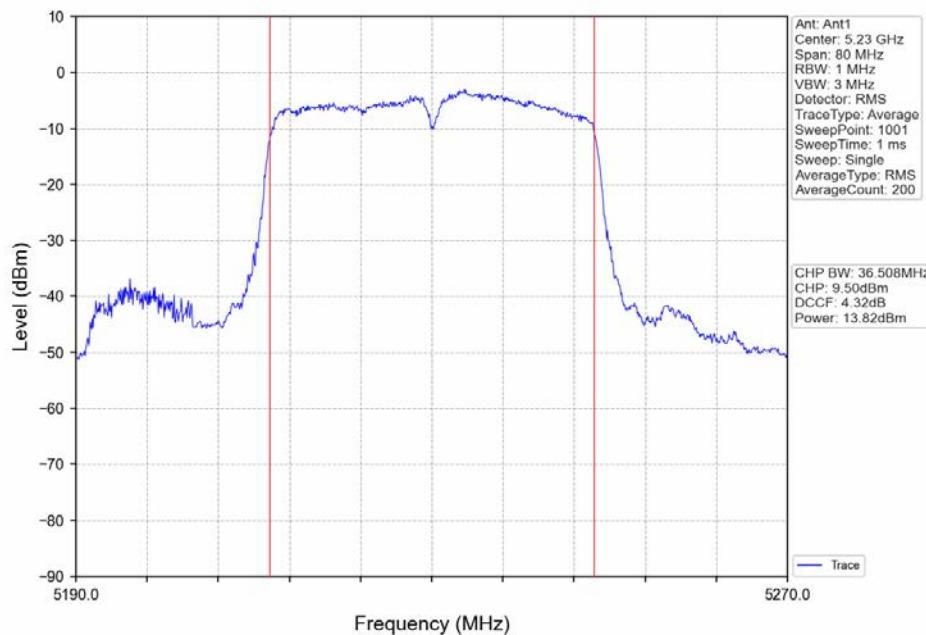
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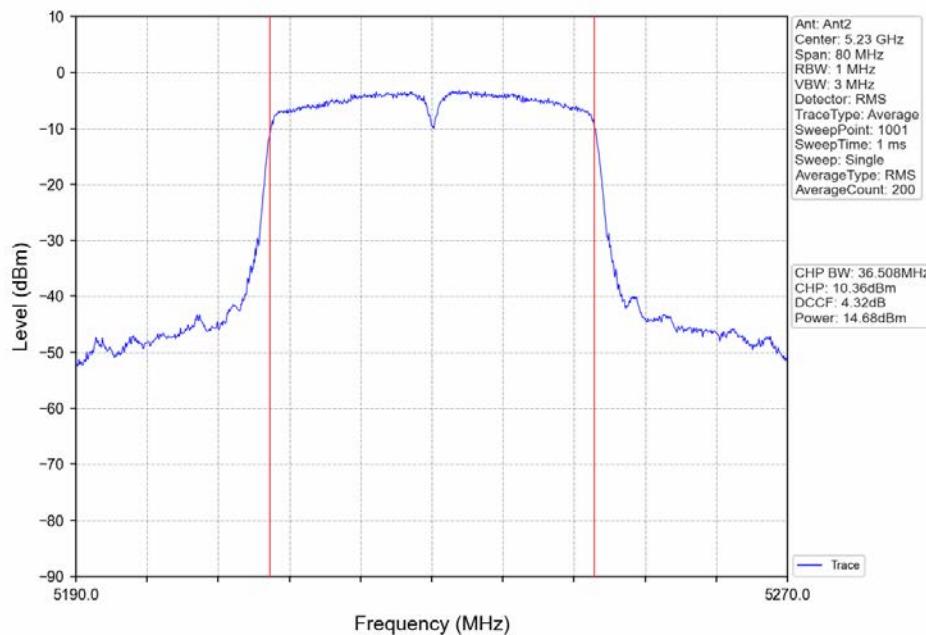
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### 802.11ac(VHT40)\_HCH\_5230MHz\_Ant1\_NTNV

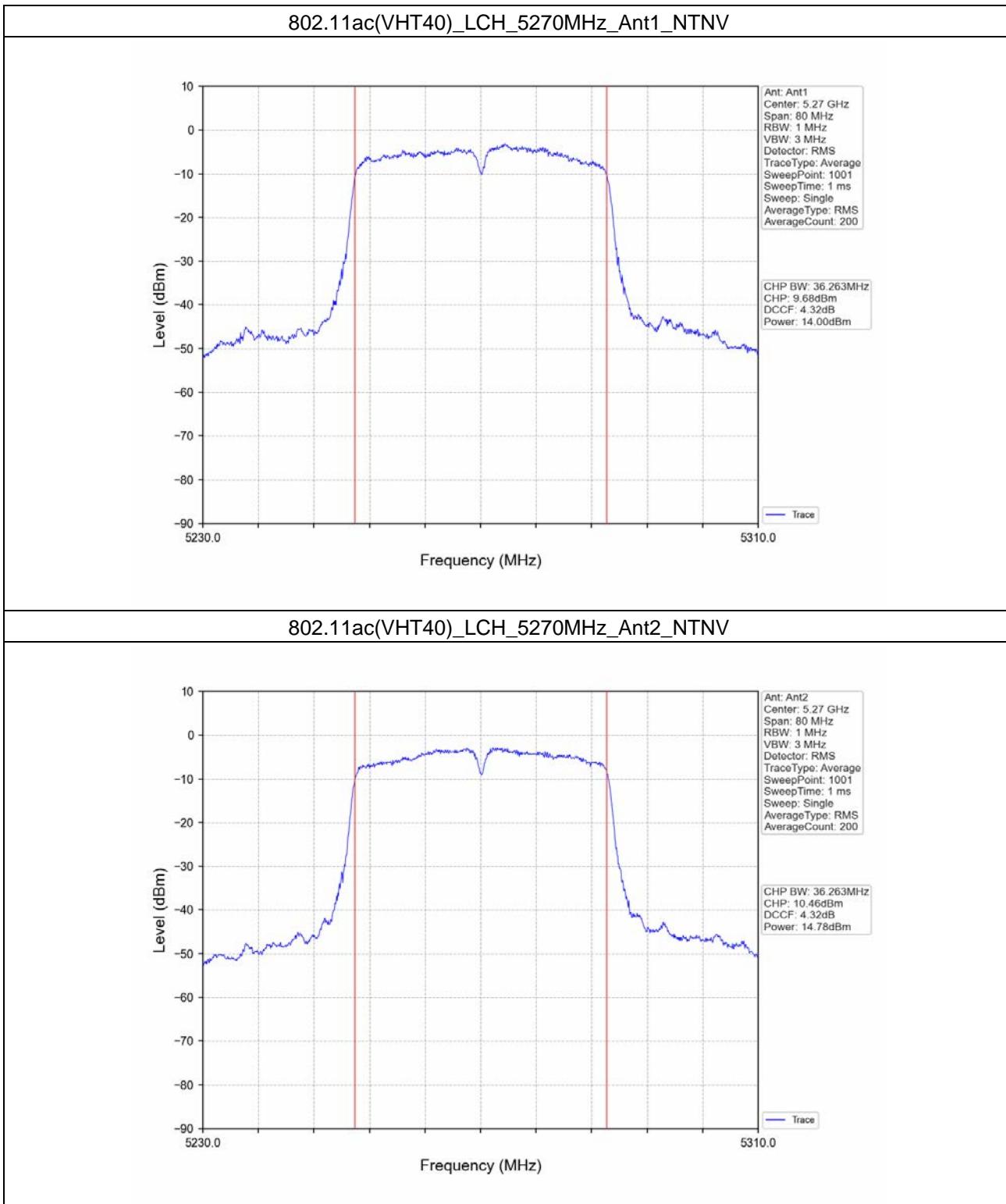


### 802.11ac(VHT40)\_HCH\_5230MHz\_Ant2\_NTNV



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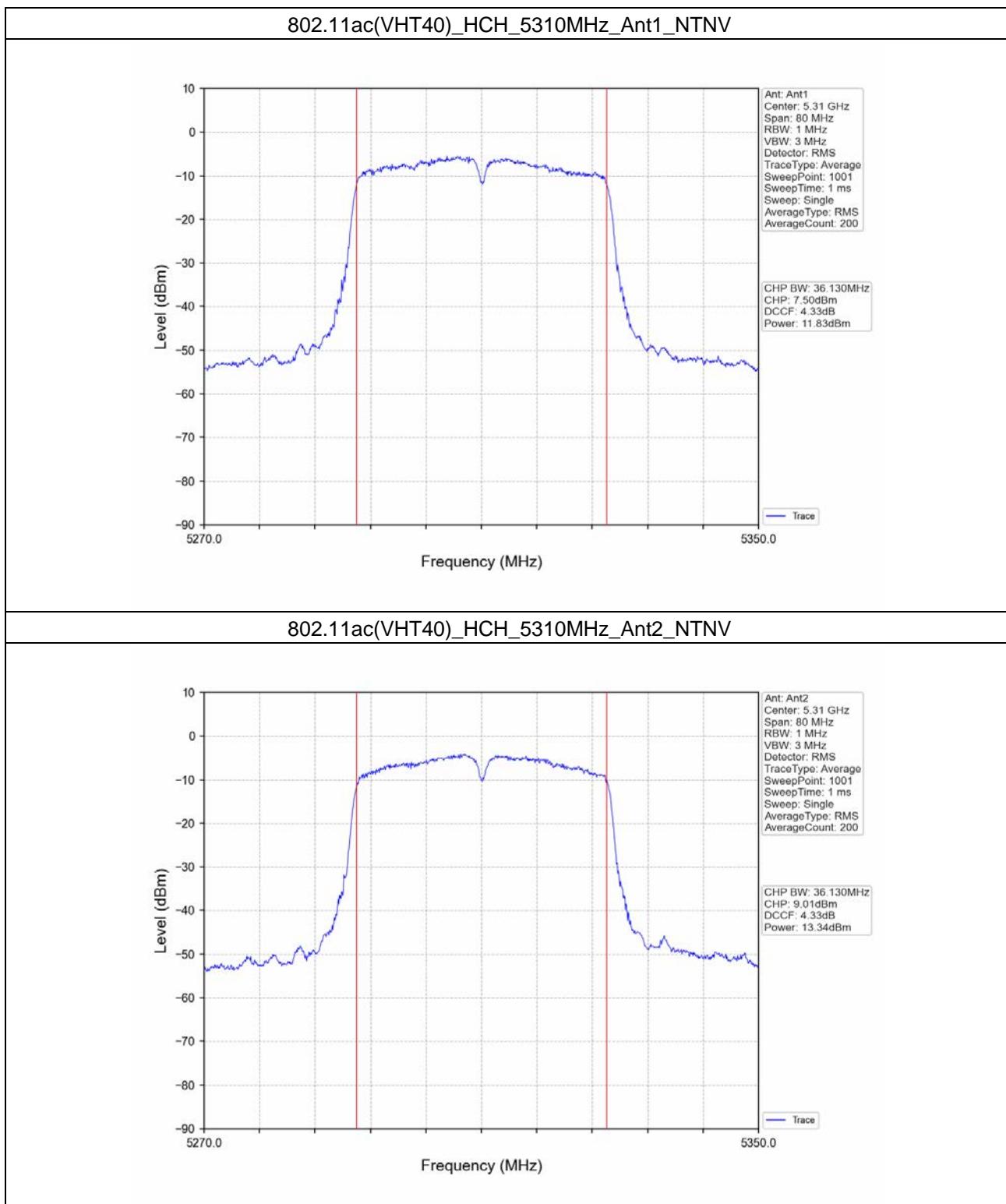
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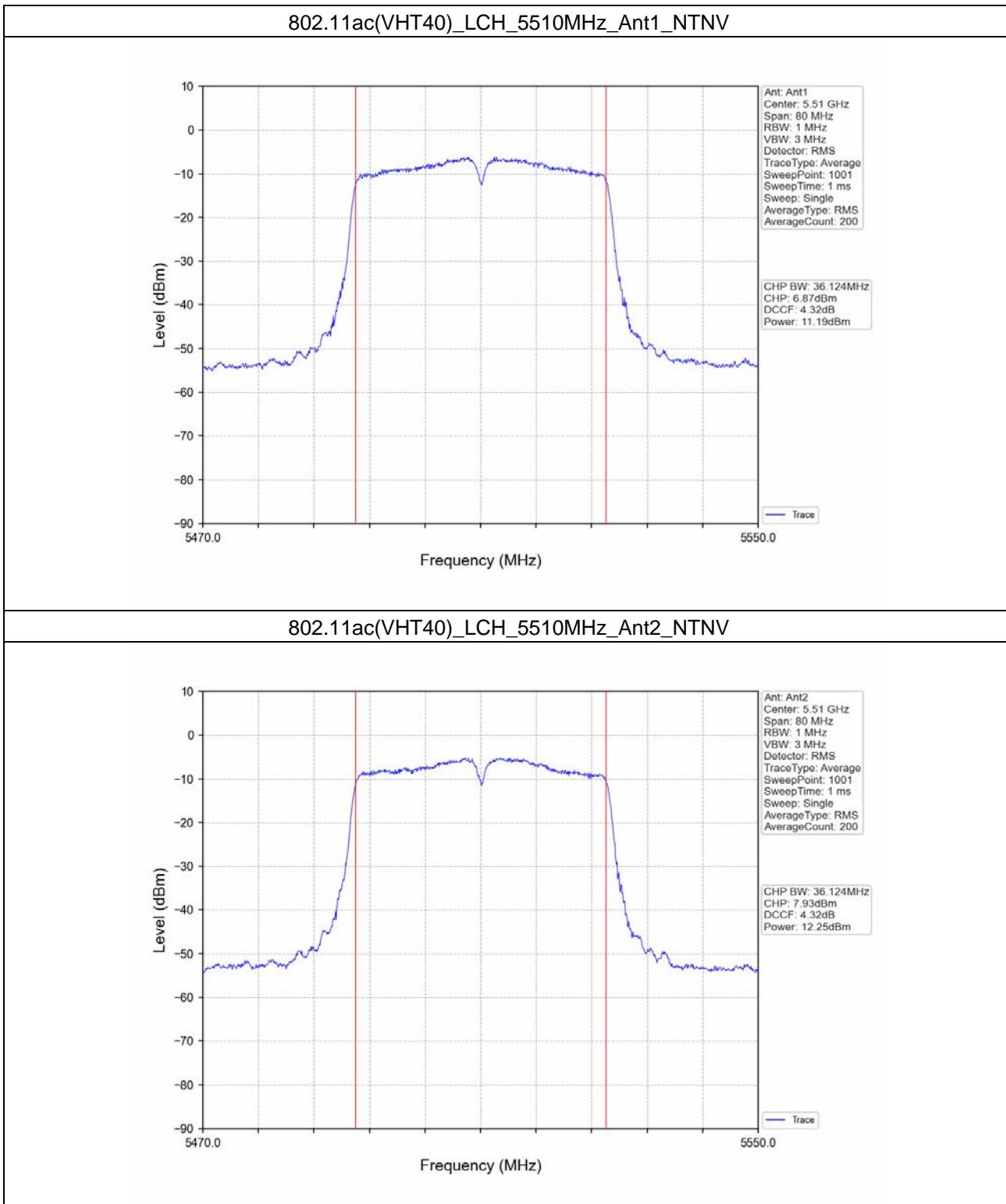
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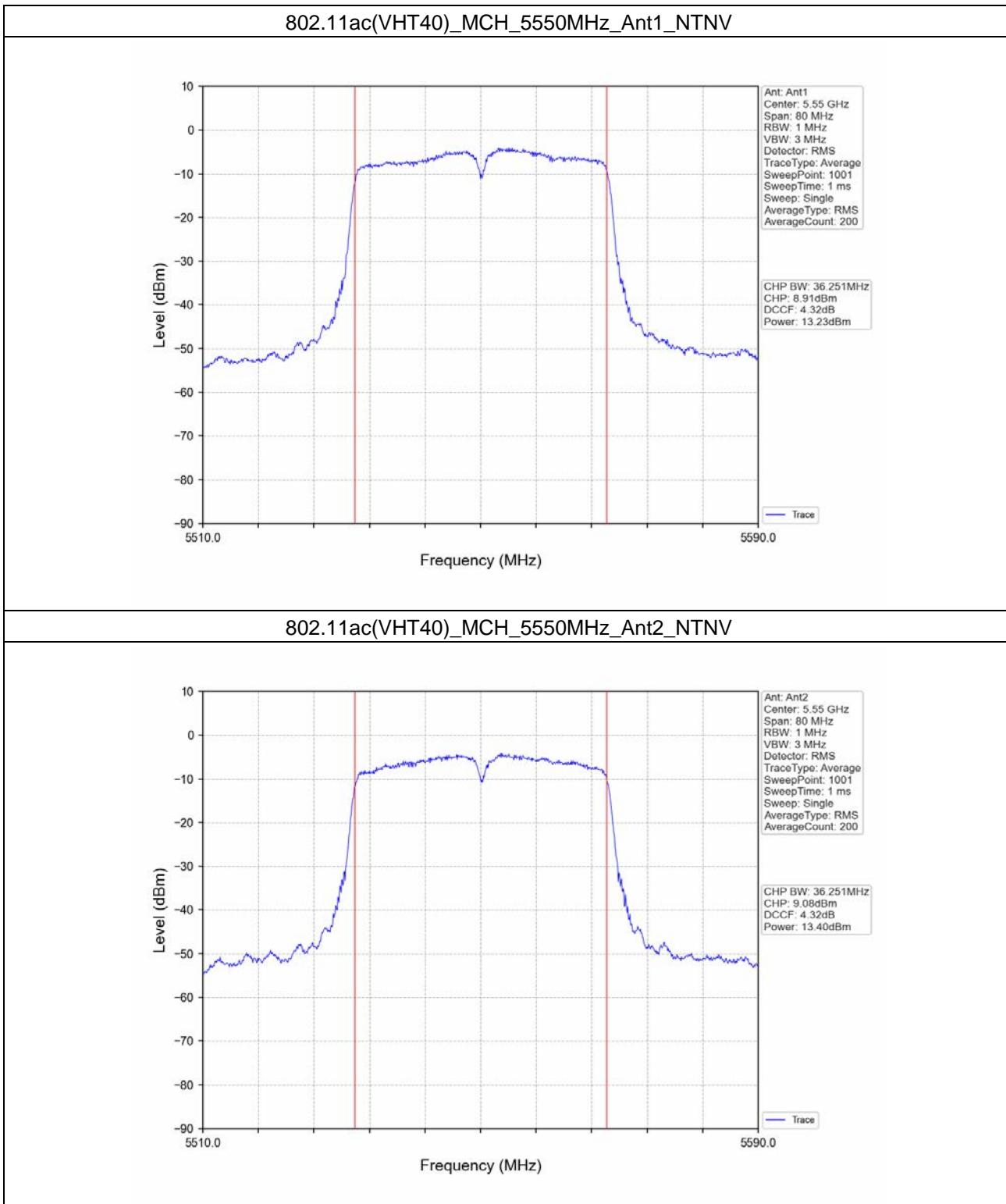
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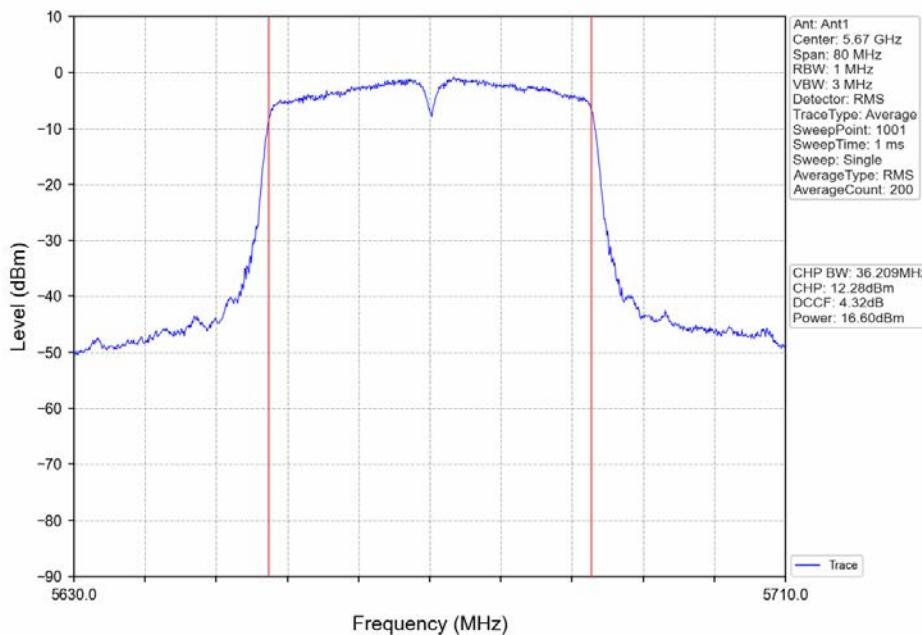
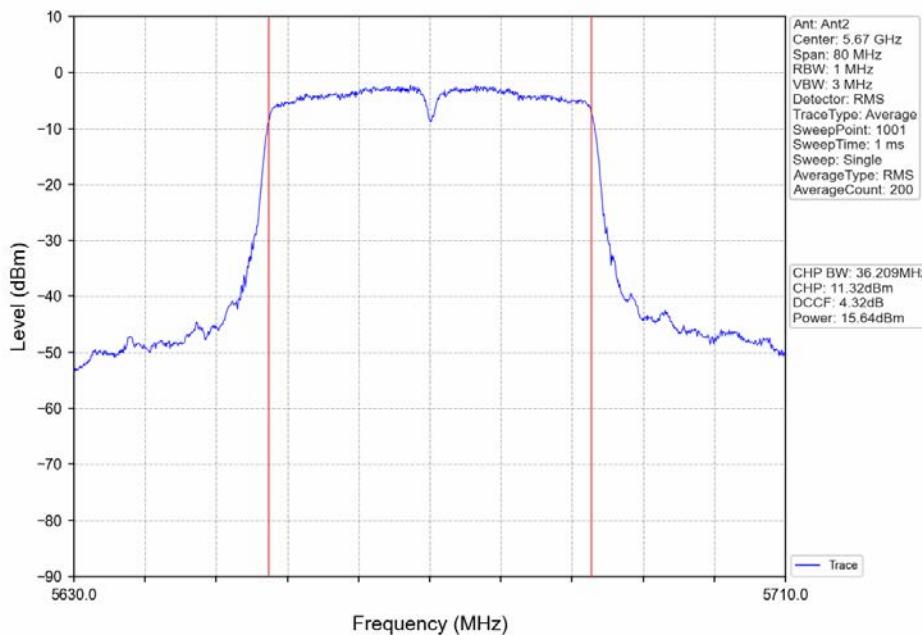
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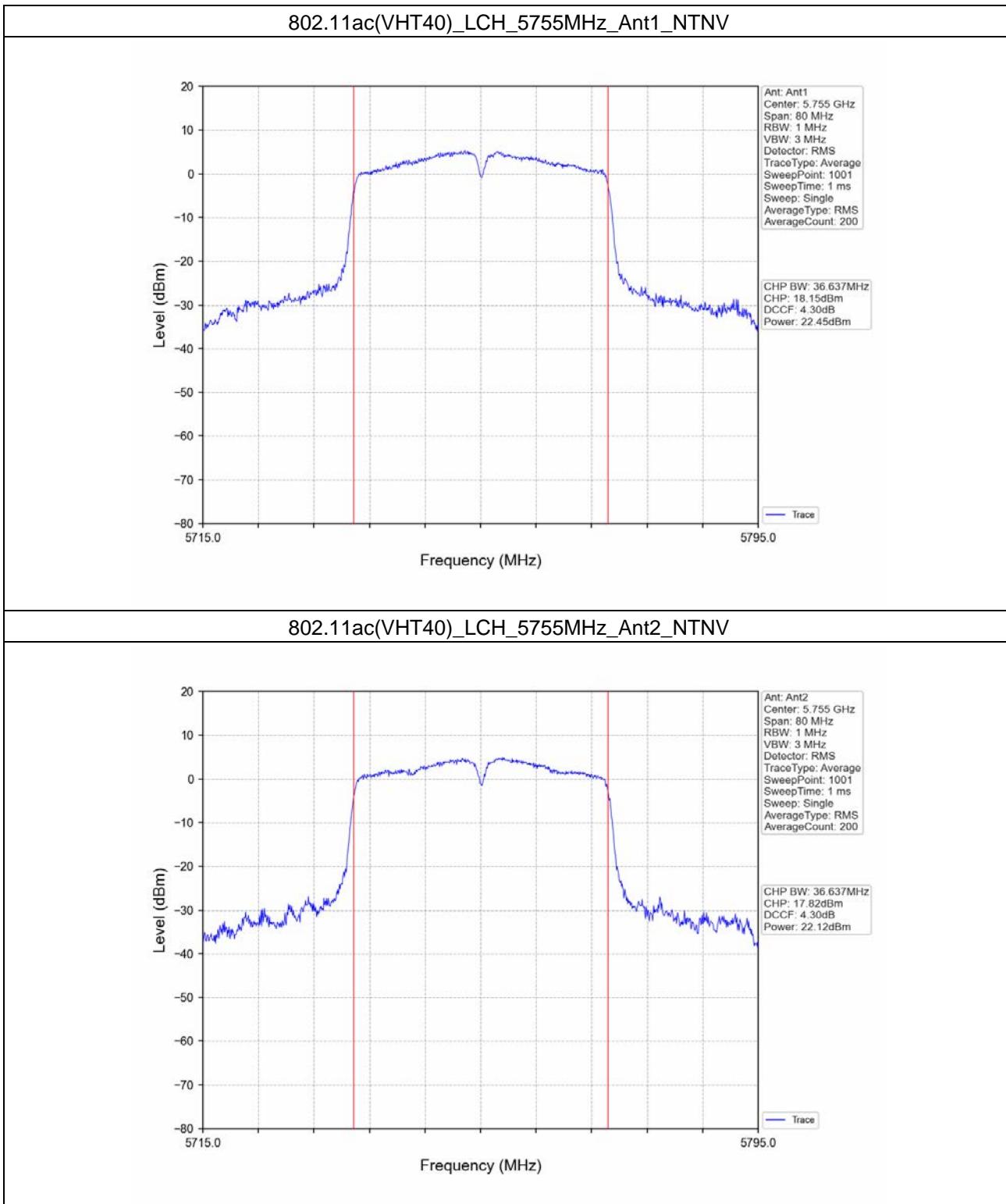
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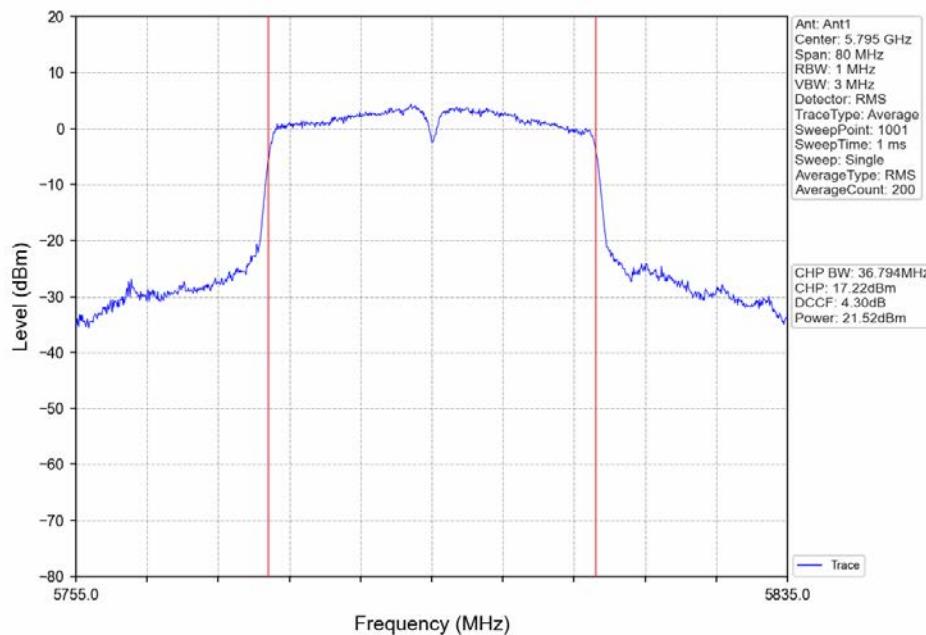
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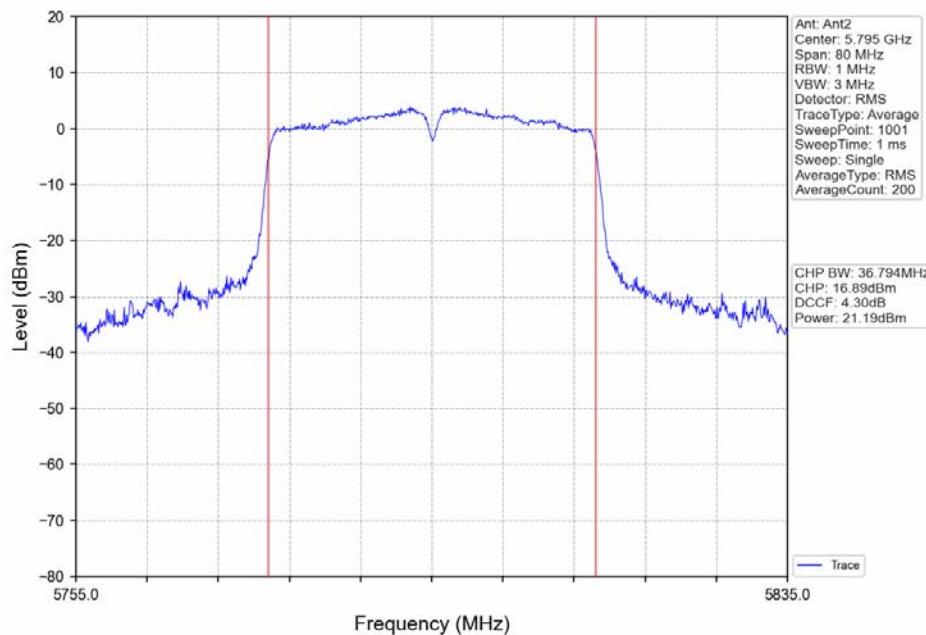
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## 802.11ac(VHT40)\_HCH\_5795MHz\_Ant1\_NTNV



## 802.11ac(VHT40)\_HCH\_5795MHz\_Ant2\_NTNV



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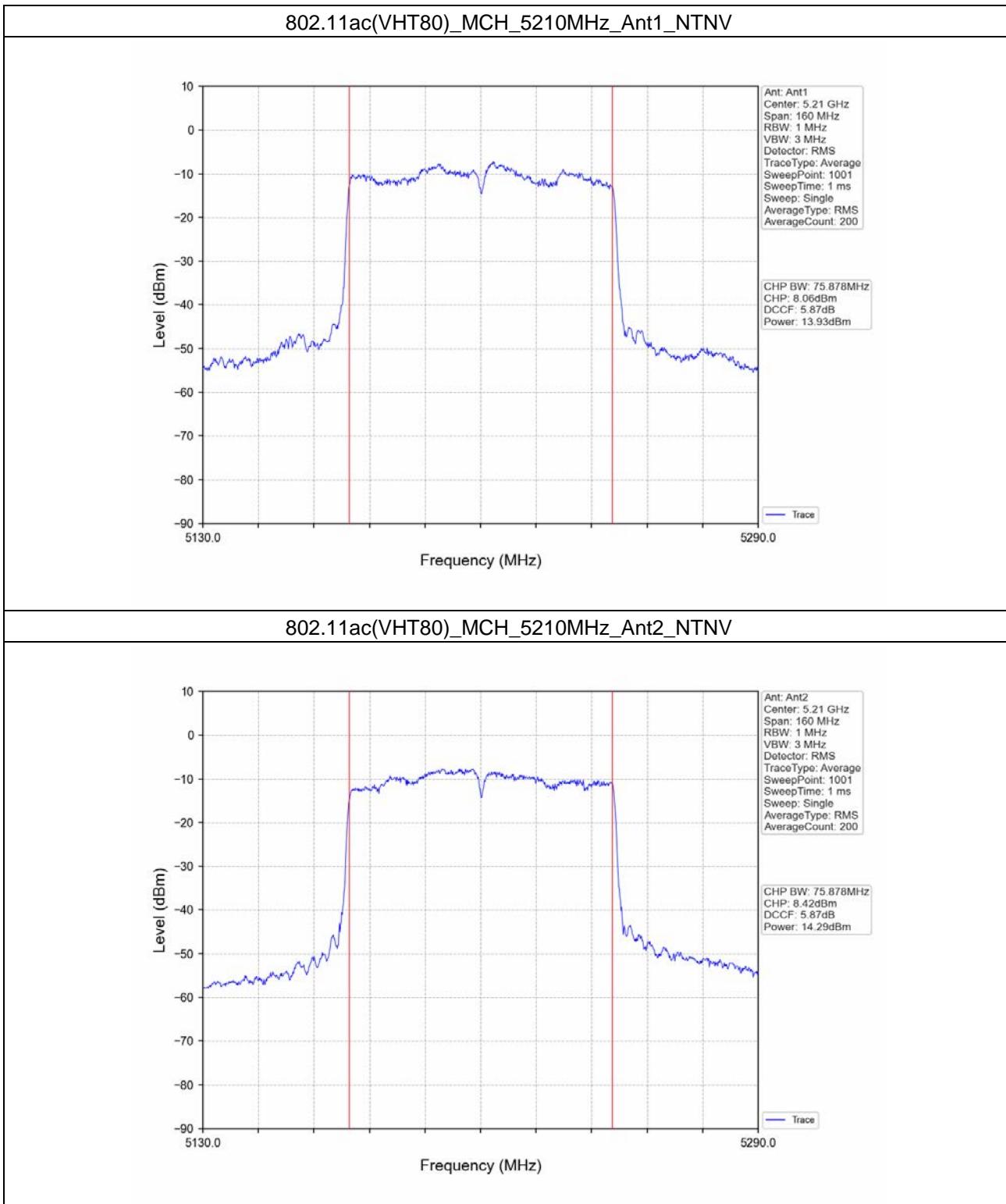


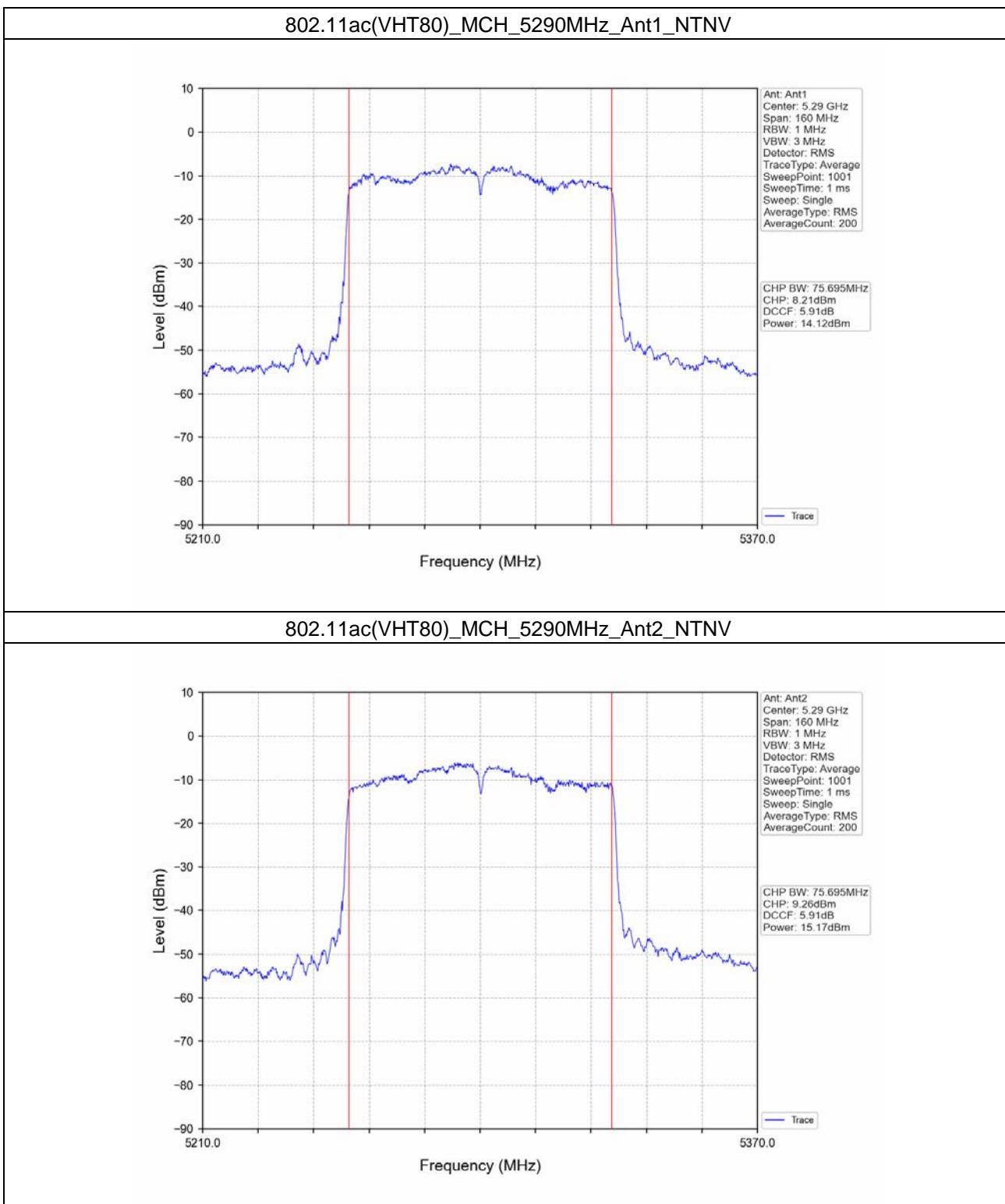
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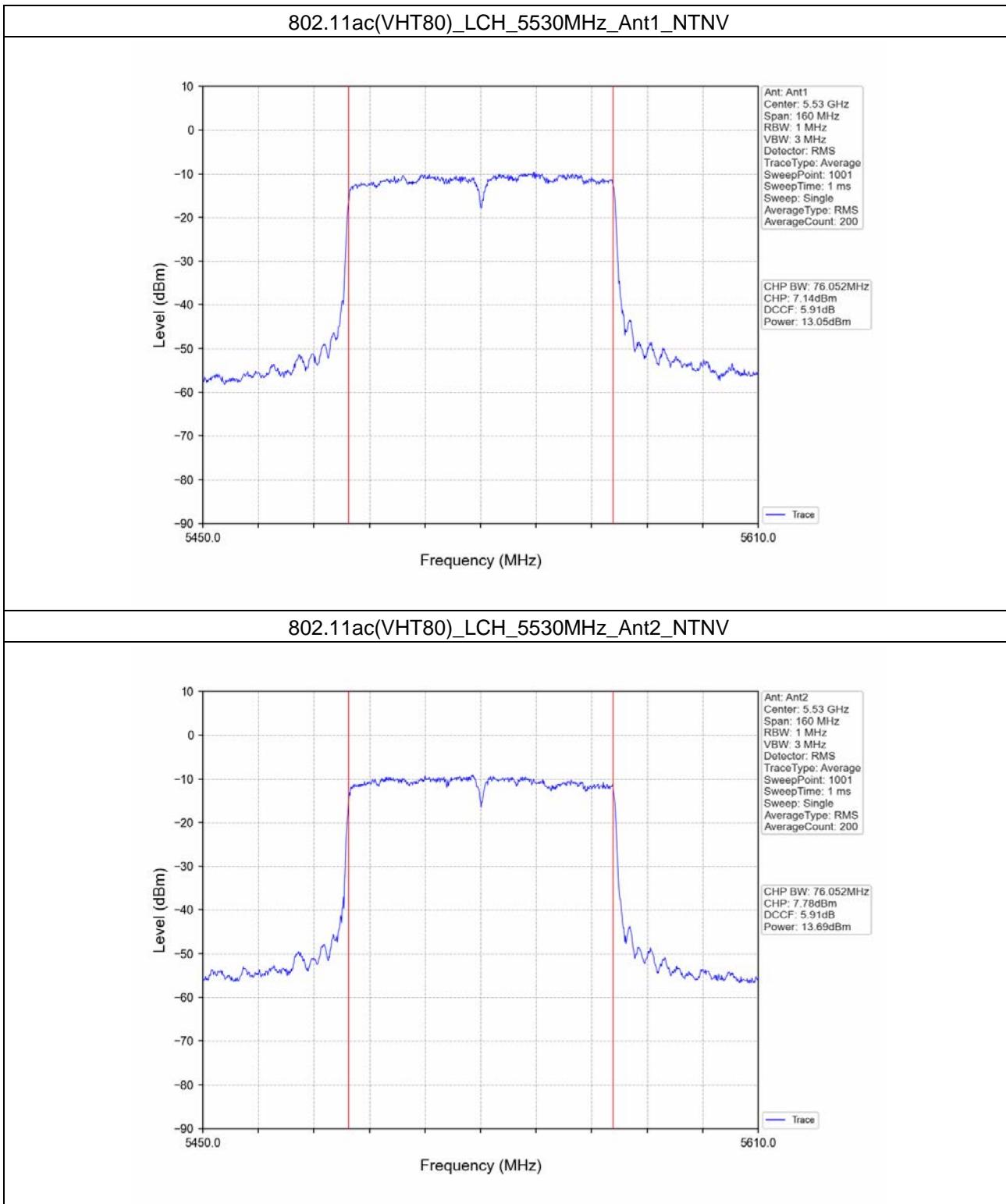
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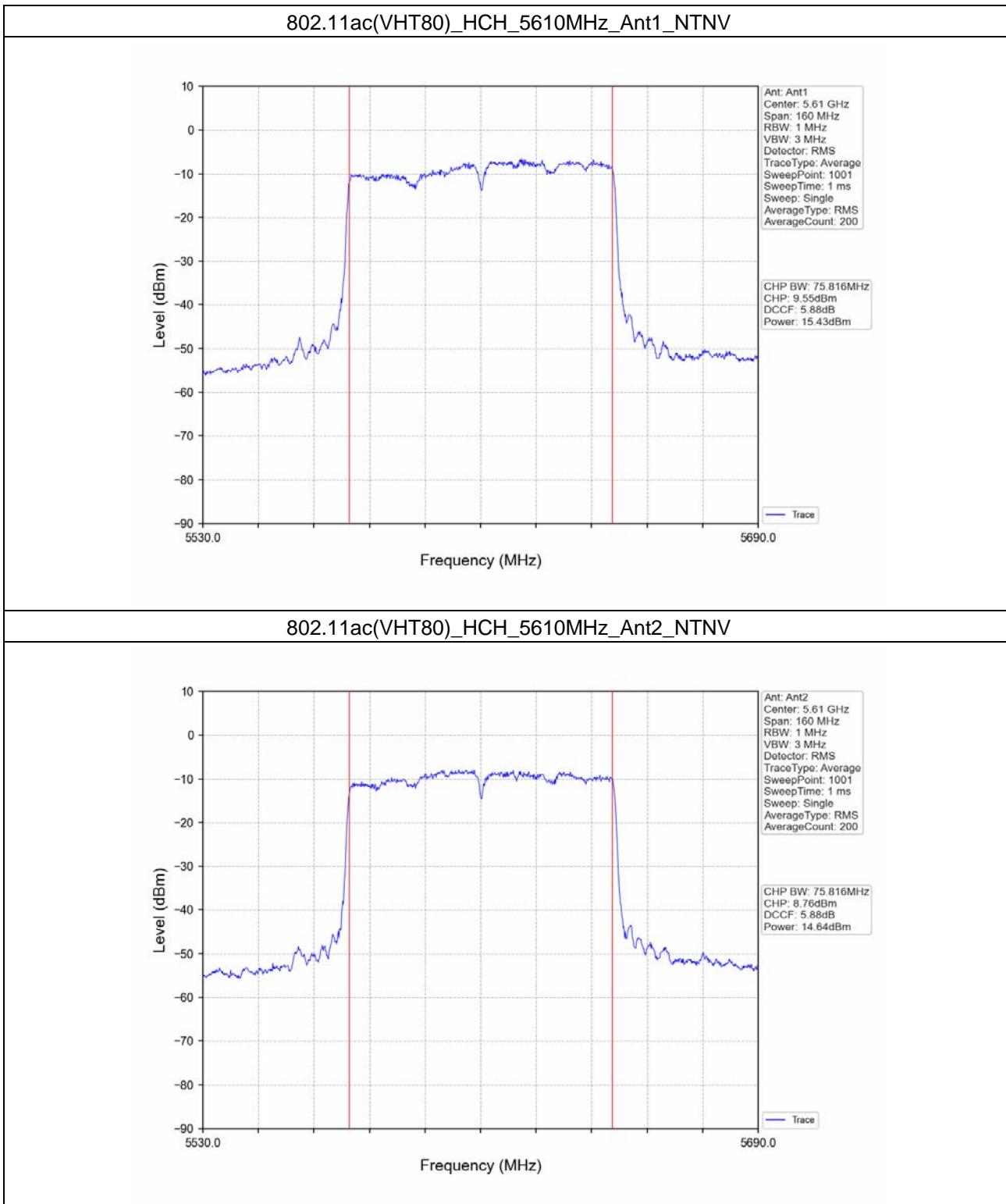
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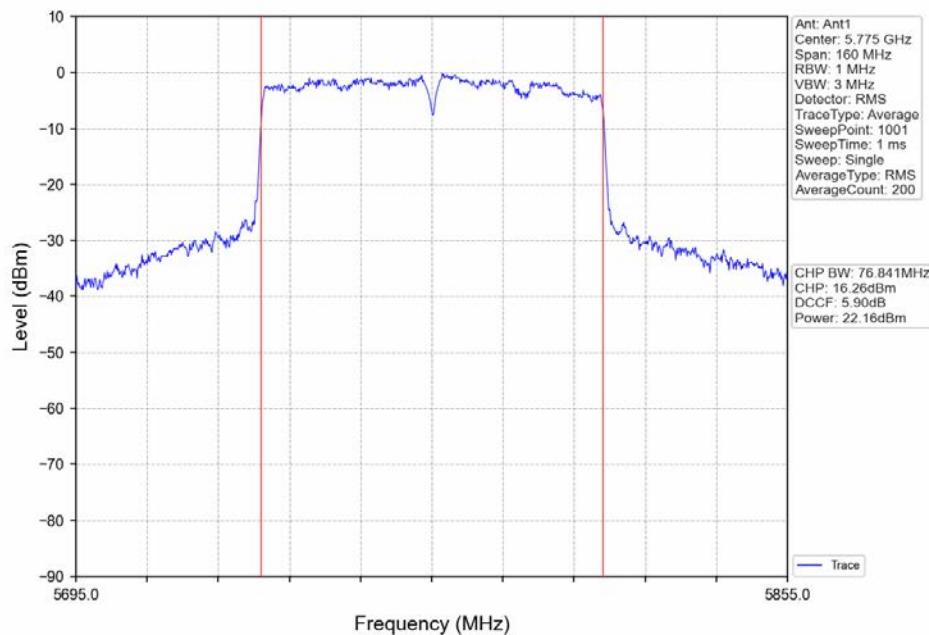
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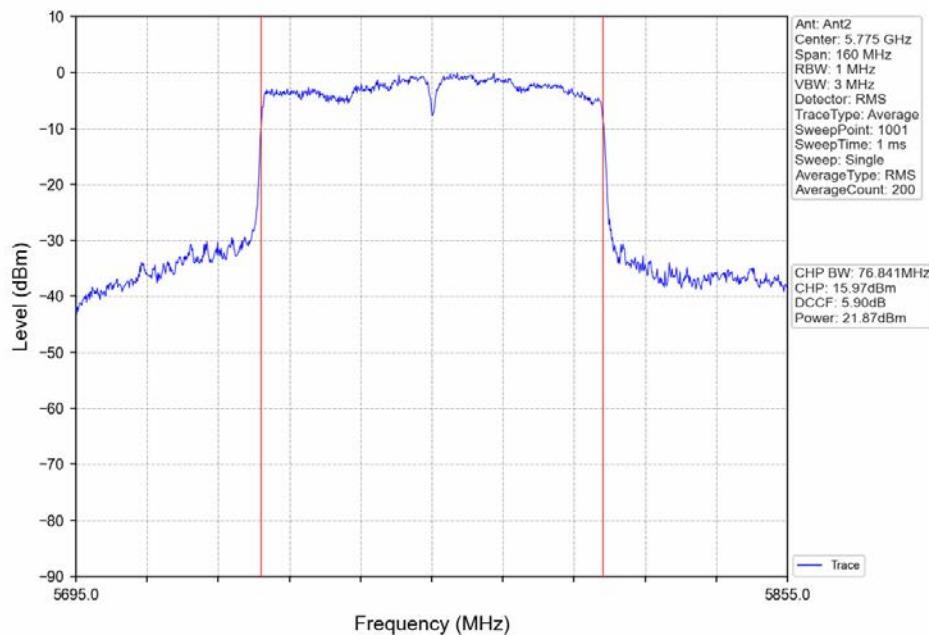
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## 802.11ac(VHT80)\_MCH\_5775MHz\_Ant1\_NTNV



## 802.11ac(VHT80)\_MCH\_5775MHz\_Ant2\_NTNV



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## 4. Maximum Power Spectral Density

### 4.1 PSD

#### 4.1.1 Test Result

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum PSD (dBm/MHz)			Limit (dBm/MHz)		Verdict
					Ant1	Ant2	Sum	SISO	MIMO	
802.11a	SISO	5180	/	/	2.16	2.97	/	<=17		Pass
		5200	/	/	2.40	3.05	/	<=17		Pass
		5240	/	/	2.36	3.13	/	<=17		Pass
		5260	/	/	2.53	2.71	/	<=11		Pass
		5300	/	/	2.14	3.67	/	<=11		Pass
		5320	/	/	2.10	3.68	/	<=11		Pass
		5500	/	/	2.18	3.41	/	<=11		Pass
		5580	/	/	3.74	3.05	/	<=11		Pass
		5700	/	/	6.24	5.67	/	<=11		Pass
802.11n (HT20)	MIMO	5180	/	/	0.83	0.65	3.71	<=17	<=15.39	Pass
		5200	/	/	1.02	0.98	3.99	<=17	<=15.39	Pass
		5240	/	/	0.19	0.45	3.32	<=17	<=15.39	Pass
		5260	/	/	2.98	4.34	6.70	<=11	<=9.39	Pass
		5300	/	/	3.34	5.08	7.28	<=11	<=9.39	Pass
		5320	/	/	3.00	5.04	7.12	<=11	<=9.39	Pass
		5500	/	/	1.96	3.48	5.78	<=11	<=9.39	Pass
		5580	/	/	3.78	3.29	6.54	<=11	<=9.39	Pass
		5700	/	/	5.46	4.79	8.13	<=11	<=9.39	Pass
802.11n (HT40)	MIMO	5190	/	/	-0.46	-0.03	2.65	<=17	<=15.39	Pass
		5230	/	/	-0.61	-0.07	2.54	<=17	<=15.39	Pass
		5270	/	/	1.80	3.69	5.50	<=11	<=9.39	Pass
		5310	/	/	2.32	3.77	5.87	<=11	<=9.39	Pass
		5510	/	/	-0.06	1.02	3.45	<=11	<=9.39	Pass
		5550	/	/	1.21	1.52	4.16	<=11	<=9.39	Pass
		5670	/	/	4.90	3.56	7.25	<=11	<=9.39	Pass
802.11ac (VHT20)	MIMO	5180	/	/	0.10	0.43	3.11	<=17	<=15.39	Pass
		5200	/	/	-0.07	1.50	3.71	<=17	<=15.39	Pass
		5240	/	/	0.33	0.76	3.37	<=17	<=15.39	Pass
		5260	/	/	2.99	4.55	6.59	<=11	<=9.39	Pass
		5300	/	/	2.75	3.78	6.22	<=11	<=9.39	Pass
		5320	/	/	2.79	4.43	6.54	<=11	<=9.39	Pass
		5500	/	/	1.71	2.64	4.99	<=11	<=9.39	Pass
		5580	/	/	4.22	3.33	6.80	<=11	<=9.39	Pass
		5700	/	/	6.79	5.37	9.05	<=11	<=9.39	Pass

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802.11ac (VHT40)	MIMO	5190	/	/	1.28	0.83	3.85	<=17	<=15.39	Pass
		5230	/	/	1.39	1.41	4.12	<=17	<=15.39	Pass
		5270	/	/	0.93	1.05	3.92	<=11	<=9.39	Pass
		5310	/	/	-1.63	0.30	2.21	<=11	<=9.39	Pass
		5510	/	/	-1.82	-0.78	1.54	<=11	<=9.39	Pass
		5550	/	/	0.29	0.22	2.75	<=11	<=9.39	Pass
		5670	/	/	3.66	2.89	6.04	<=11	<=9.39	Pass
802.11ac (VHT80)	MIMO	5210	/	/	-2.25	-2.25	0.29	<=17	<=15.39	Pass
		5290	/	/	-1.11	-1.19	1.41	<=11	<=9.39	Pass
		5530	/	/	-3.12	-2.19	-0.05	<=11	<=9.39	Pass
		5610	/	/	-1.49	-1.25	1.31	<=11	<=9.39	Pass

Note1: Antenna Gain: Ant1: 4.60dBi; Ant2: 4.60dBi;

Since the number of transmit antennas is less than 4, Array gain=10\*log2= 3.01dB.

Directional gain =Antenna Gain+ Array gain=4.6+3.01=7.61dBi.

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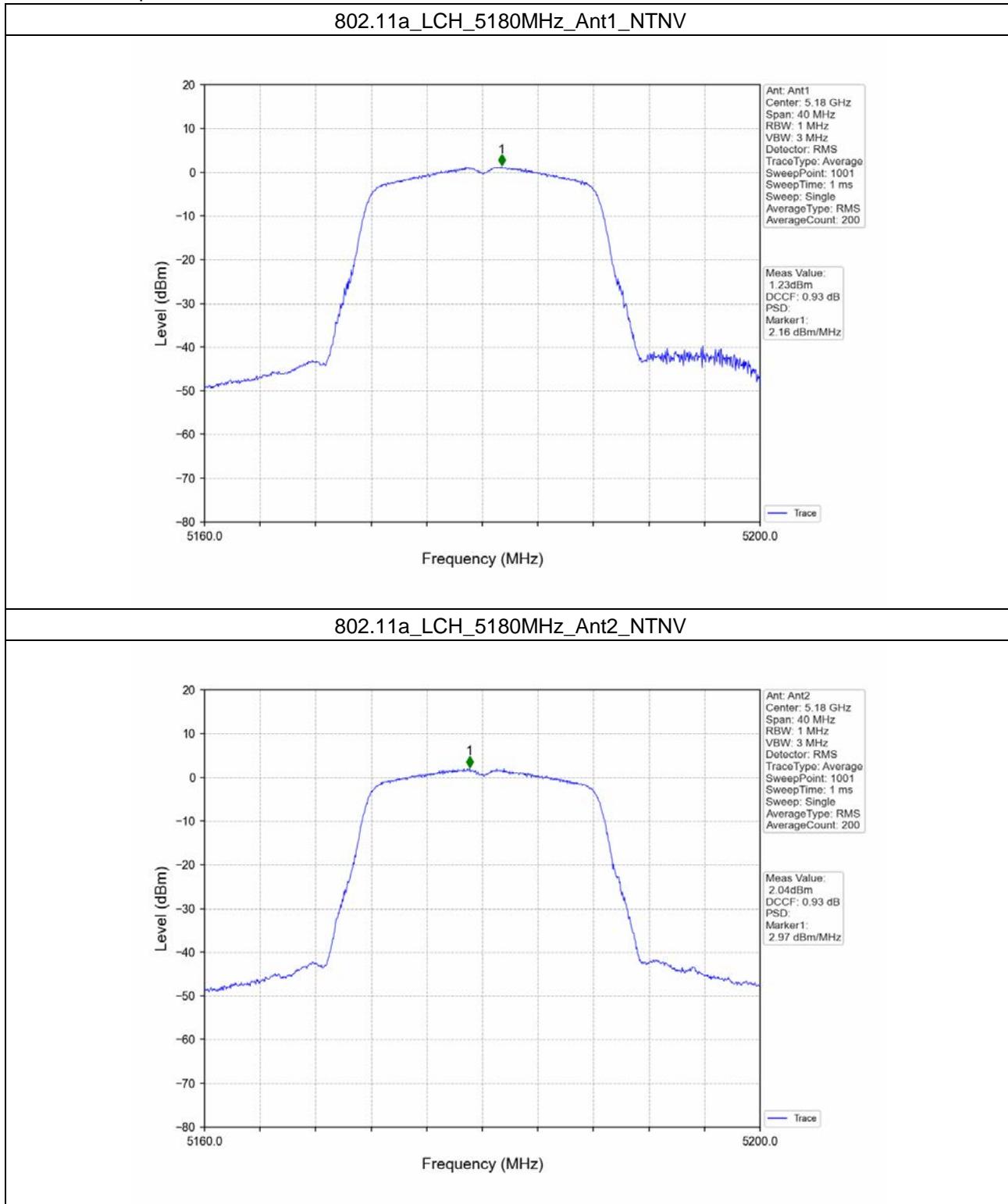
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## 4.1.2 Test Graph



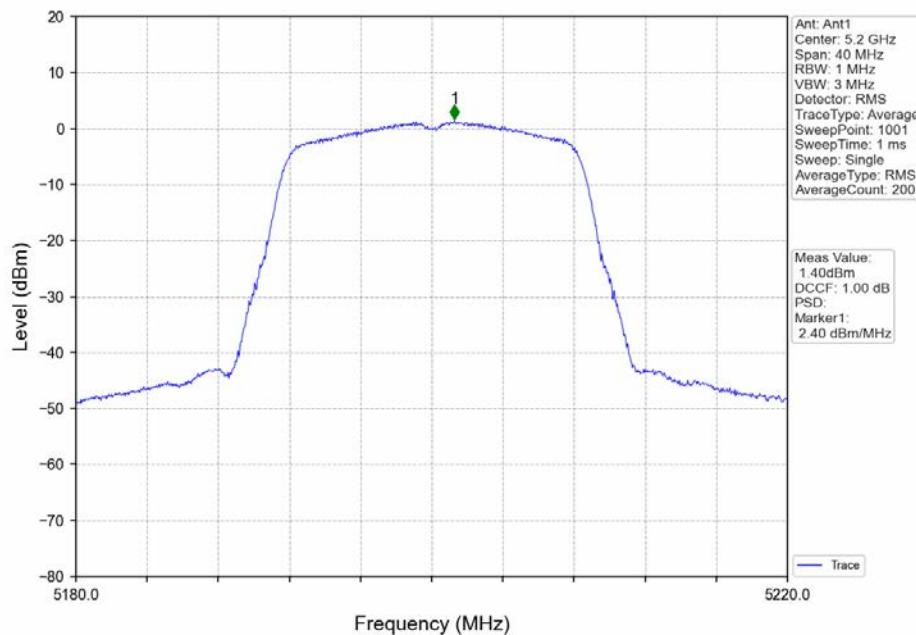
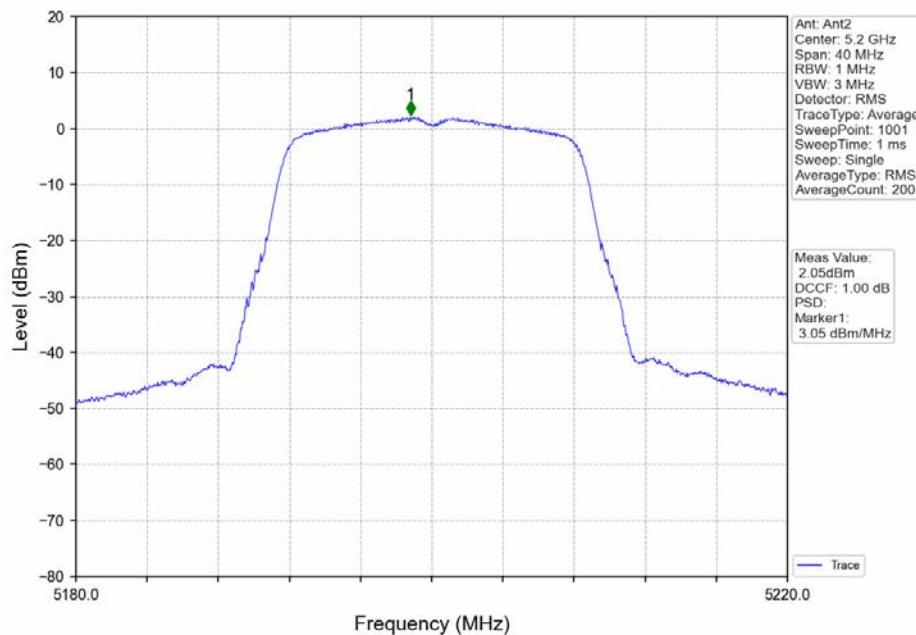
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**802.11a\_MCH\_5200MHz\_Ant1\_NTNV****802.11a\_MCH\_5200MHz\_Ant2\_NTNV**

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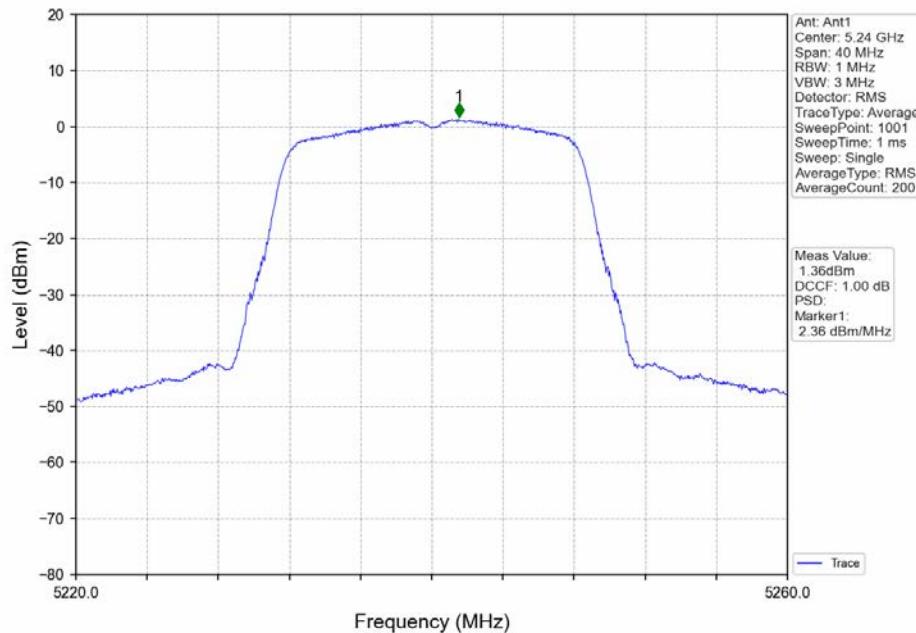
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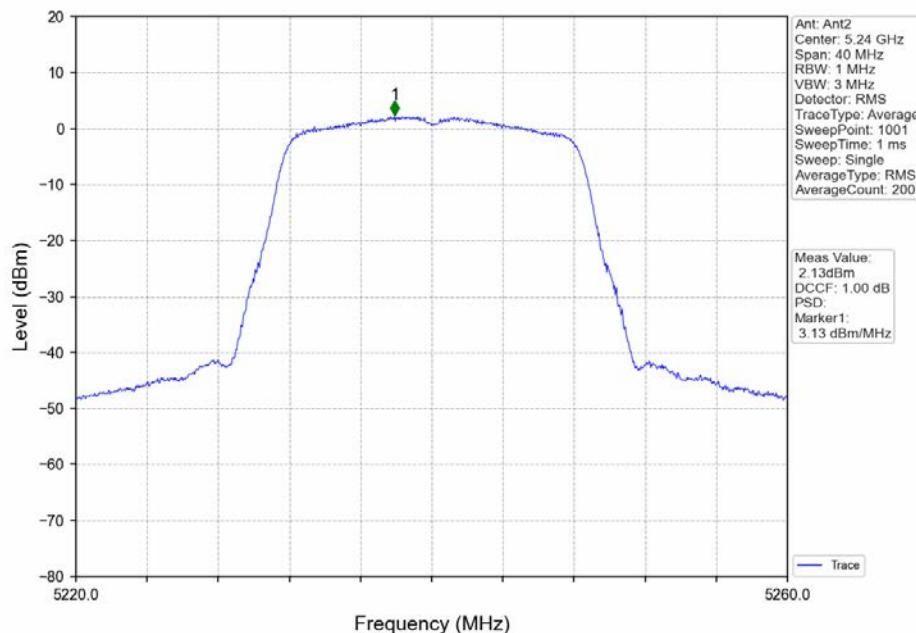
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## 802.11a\_HCH\_5240MHz\_Ant1\_NTNU



## 802.11a\_HCH\_5240MHz\_Ant2\_NTNU



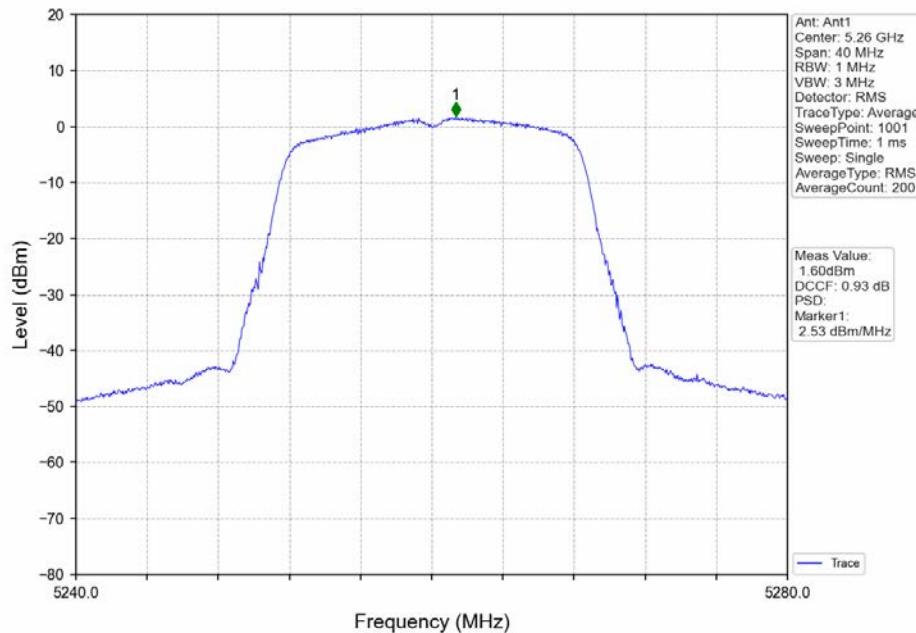
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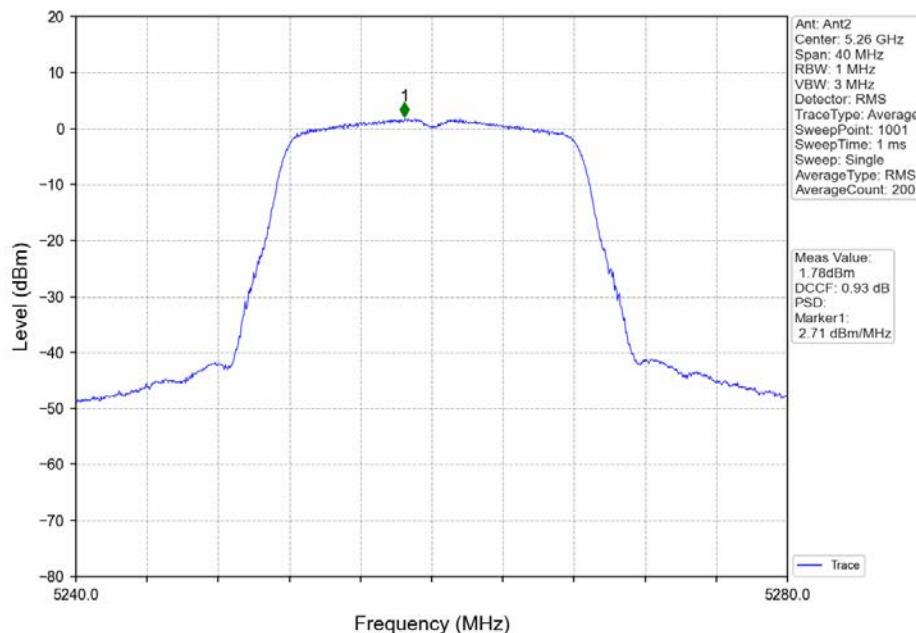


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## 802.11a\_LCH\_5260MHz\_Ant1\_NTNV

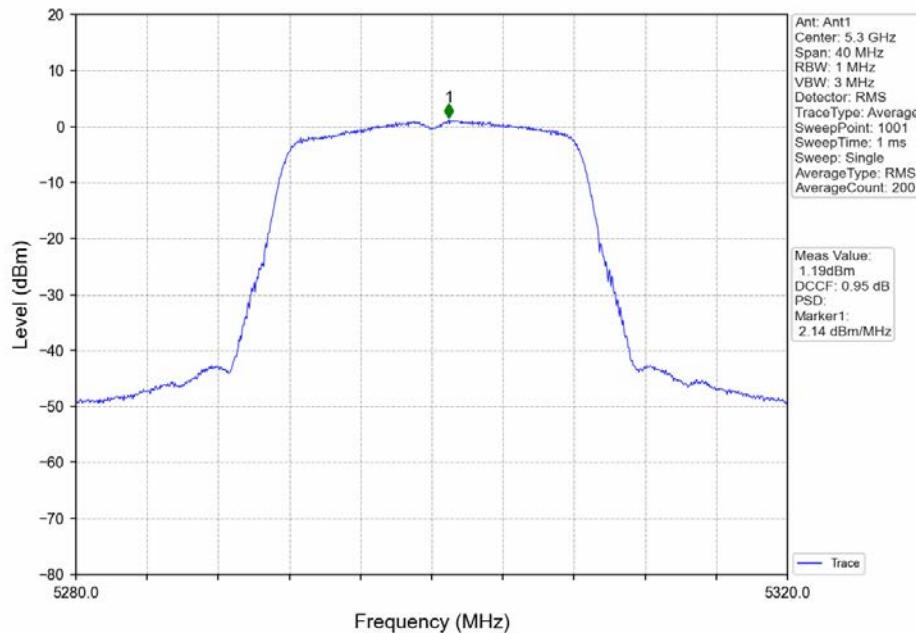
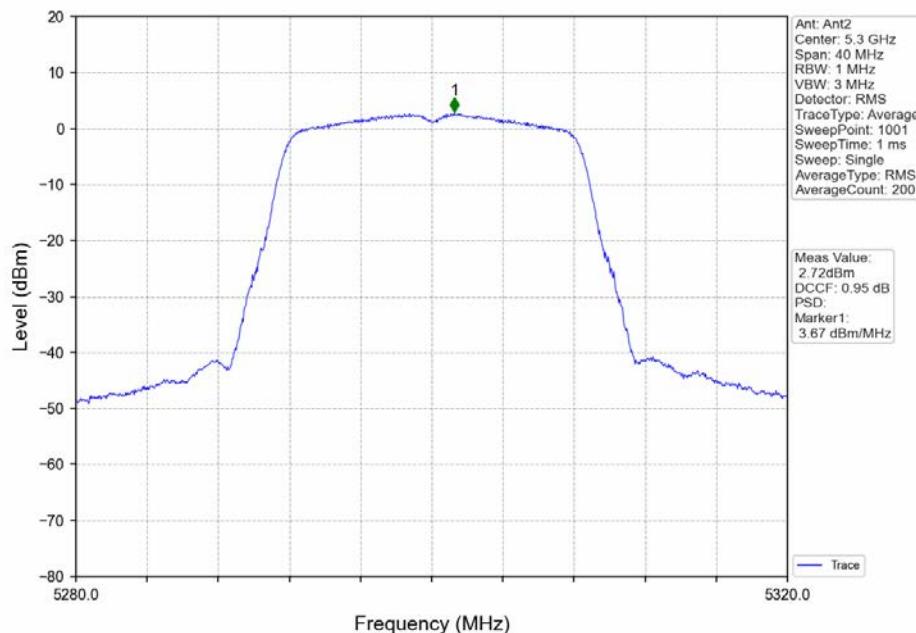


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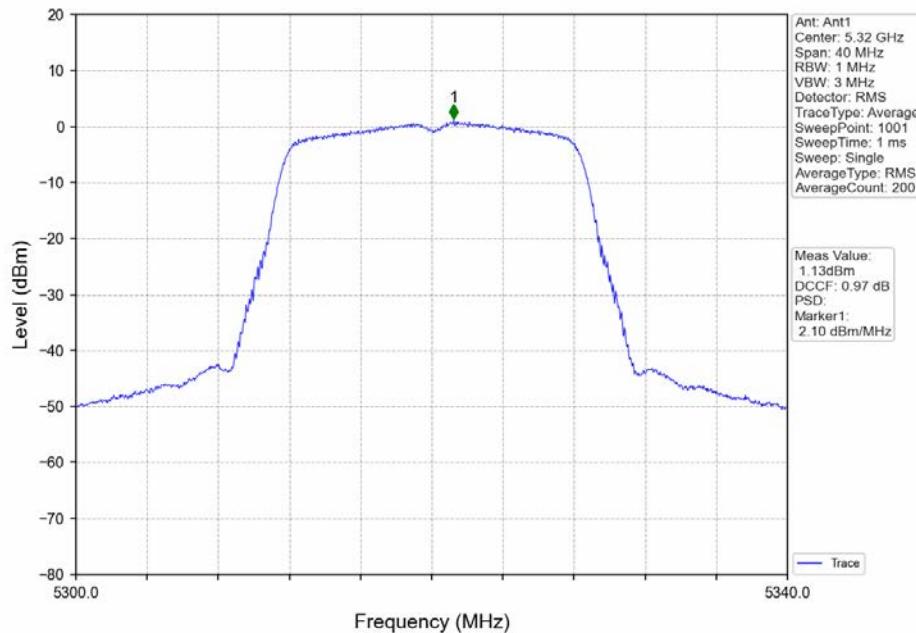
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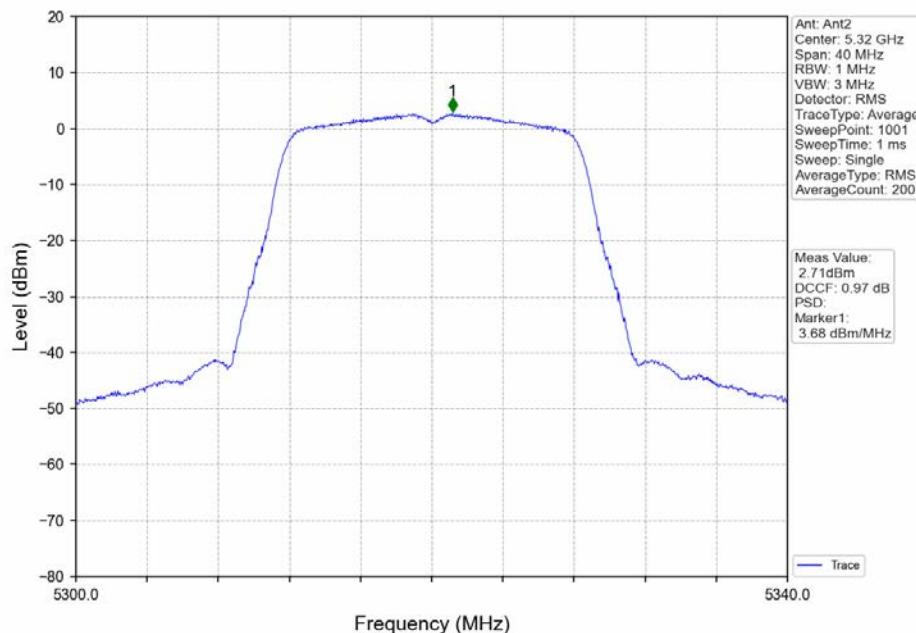
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## 802.11a\_HCH\_5320MHz\_Ant2\_NTNU



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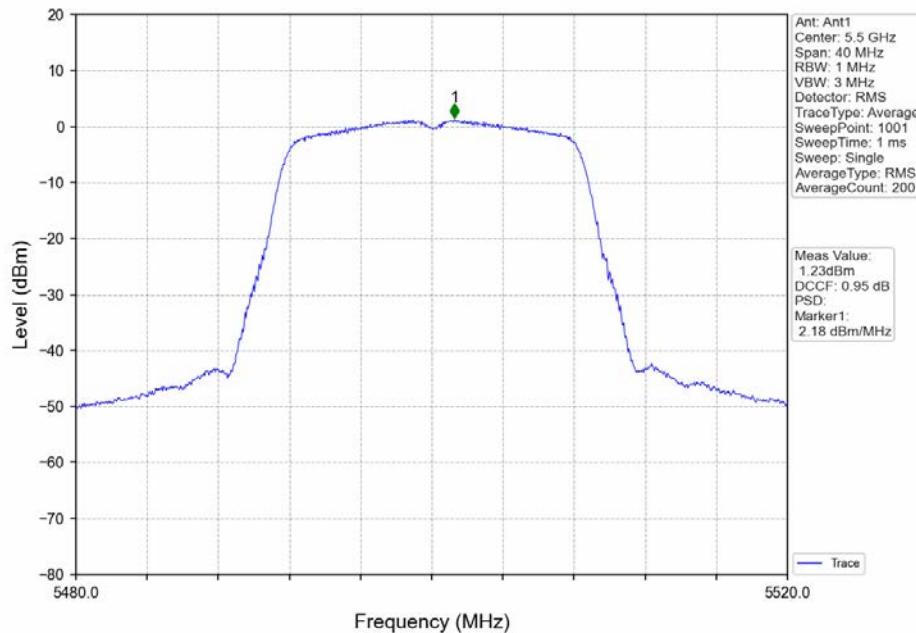
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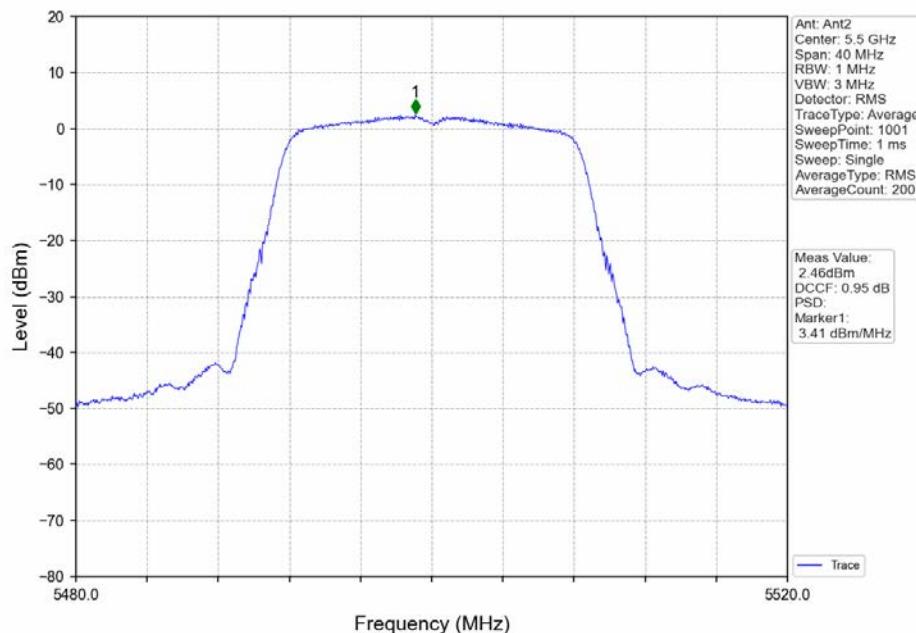
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## 802.11a\_LCH\_5500MHz\_Ant2\_NTNV



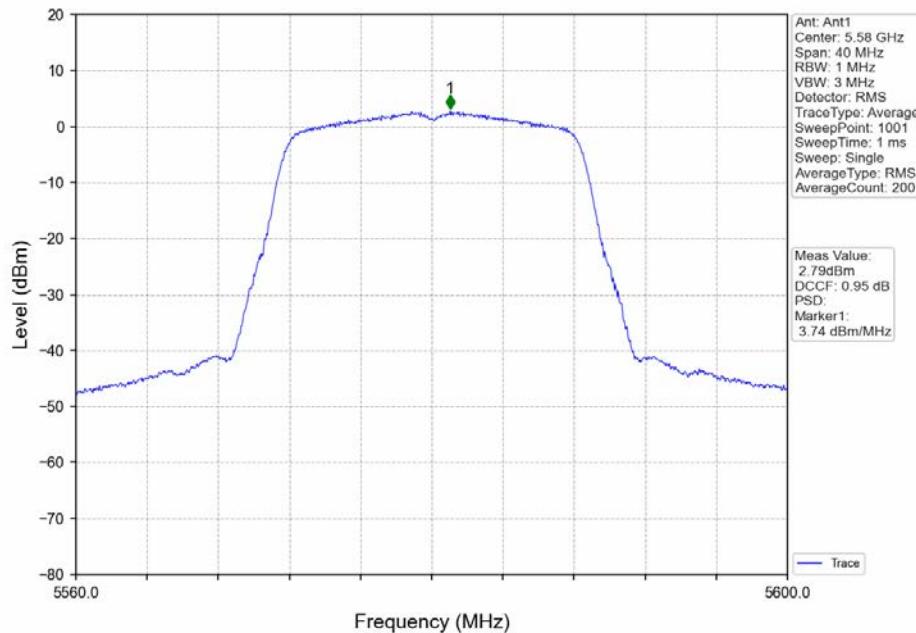
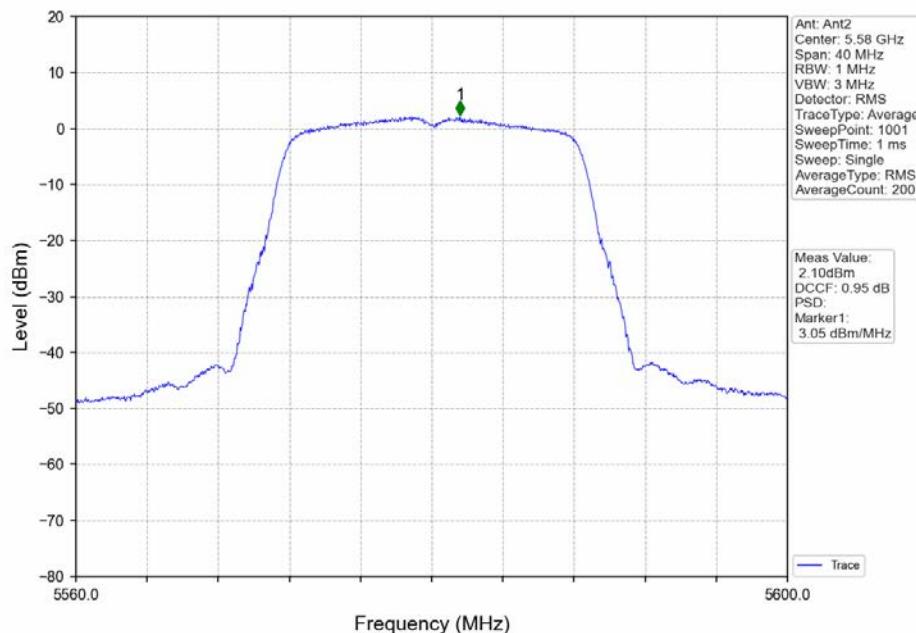
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**802.11a\_MCH\_5580MHz\_Ant1\_NTNV****802.11a\_MCH\_5580MHz\_Ant2\_NTNV**

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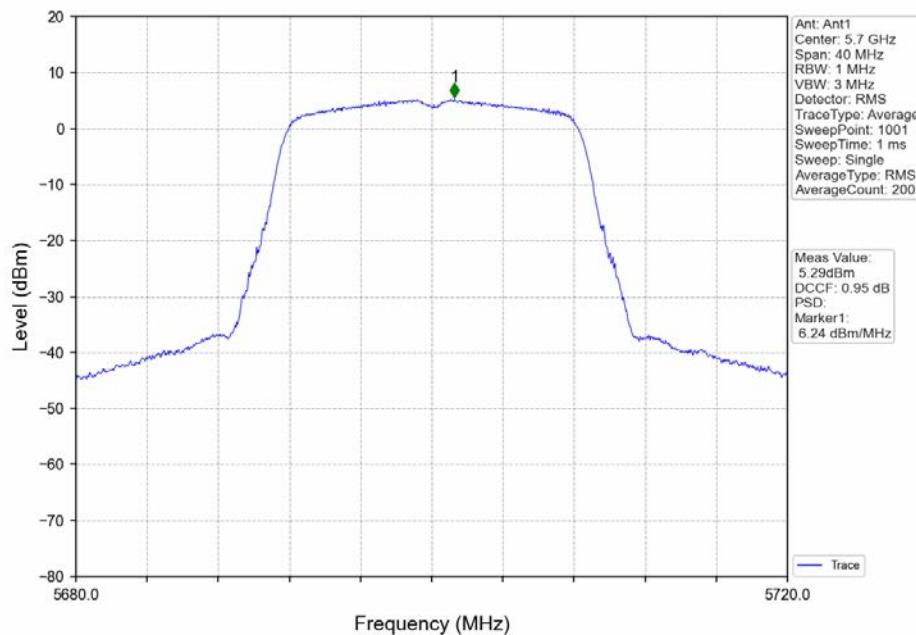
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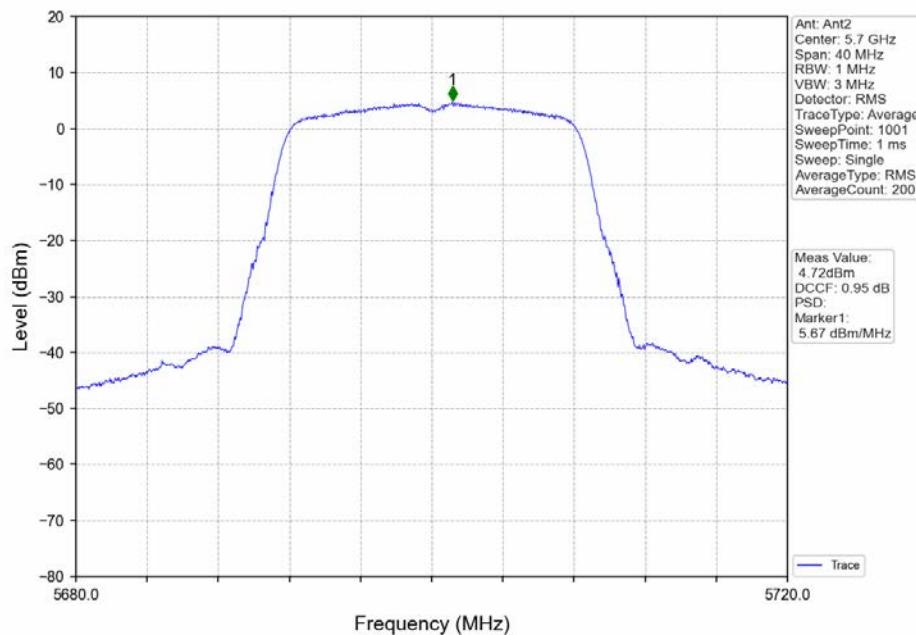
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## 802.11a\_HCH\_5700MHz\_Ant1\_NTNV



## 802.11a\_HCH\_5700MHz\_Ant2\_NTNV



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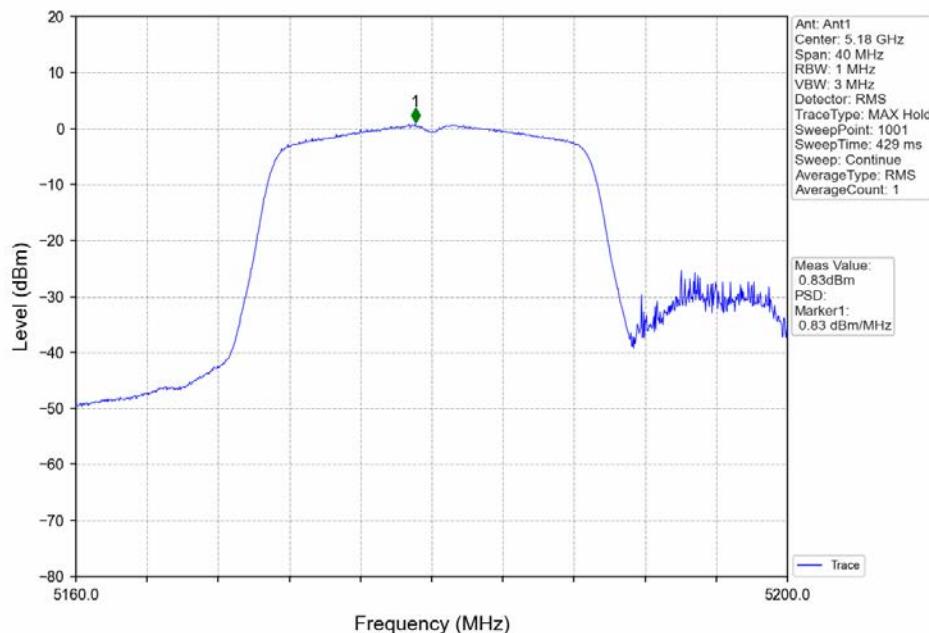
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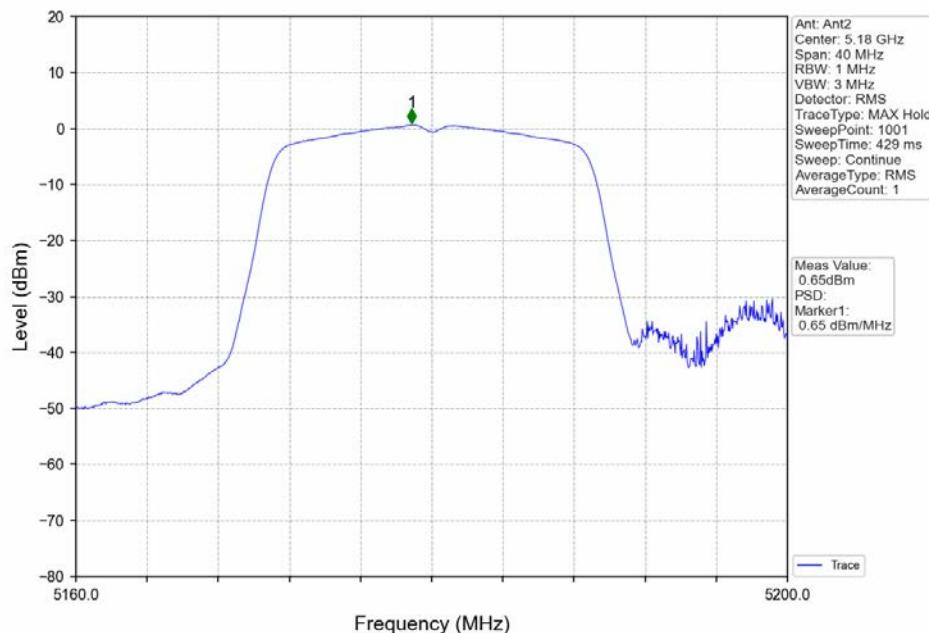
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## 802.11n(HT20)\_LCH\_5180MHz\_Ant1\_NTNV



## 802.11n(HT20)\_LCH\_5180MHz\_Ant2\_NTNV



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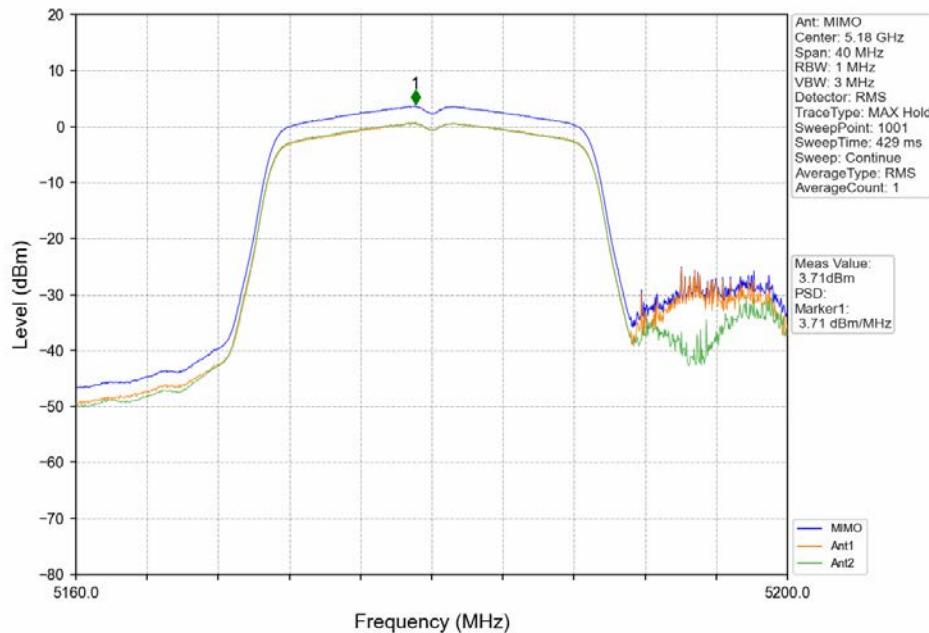
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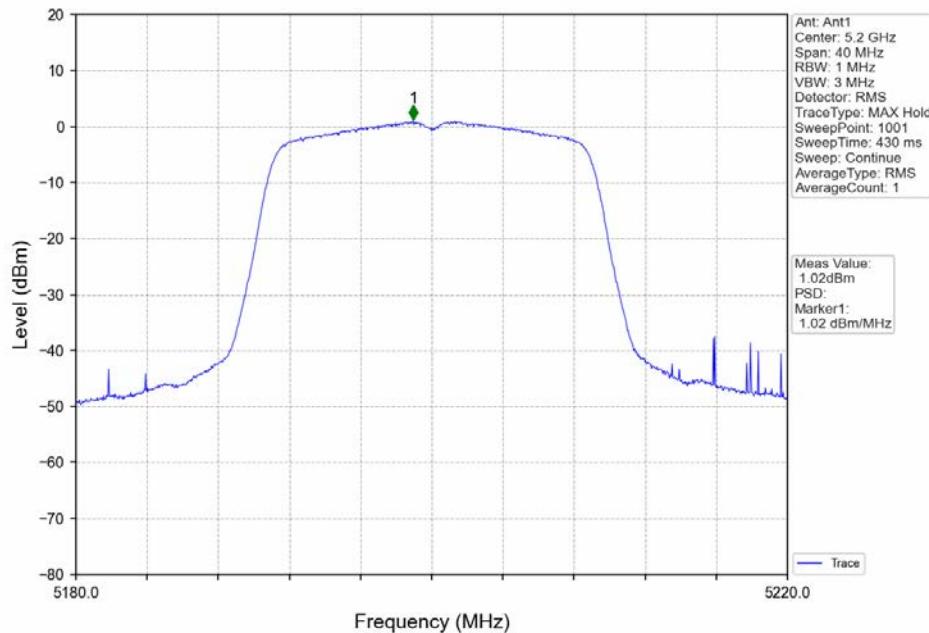
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## 802.11n(HT20)\_LCH\_5180MHz\_MIMO\_NTNV



## 802.11n(HT20)\_MCH\_5200MHz\_Ant1\_NTNV



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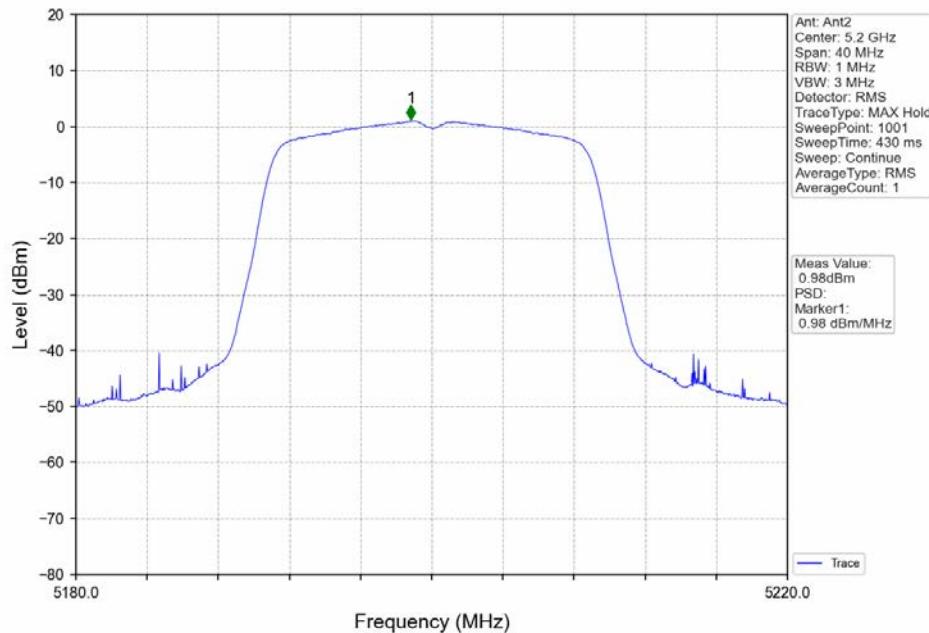
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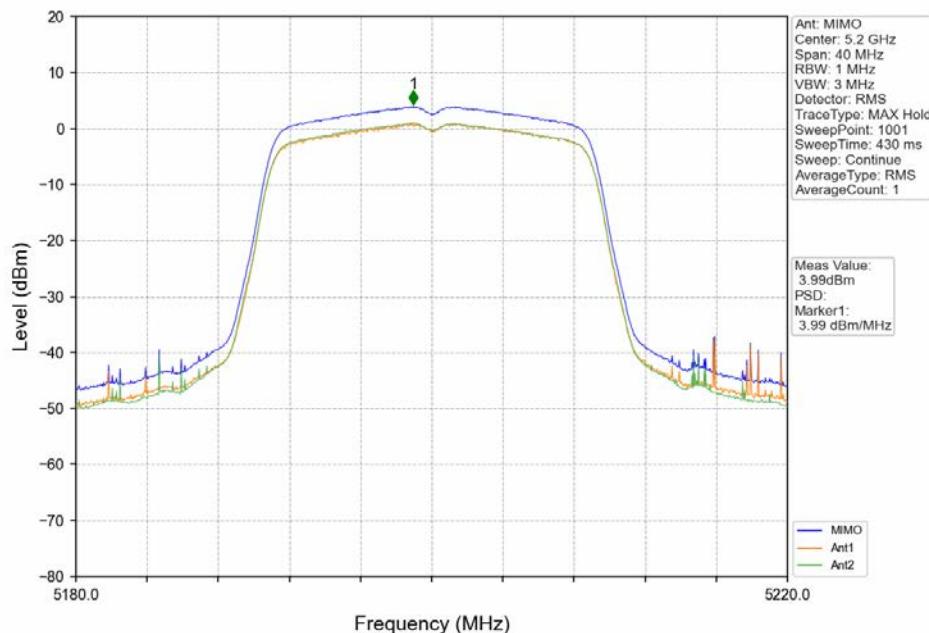
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## 802.11n(HT20)\_MCH\_5200MHz\_Ant2\_NTNV



## 802.11n(HT20)\_MCH\_5200MHz\_MIMO\_NTNV



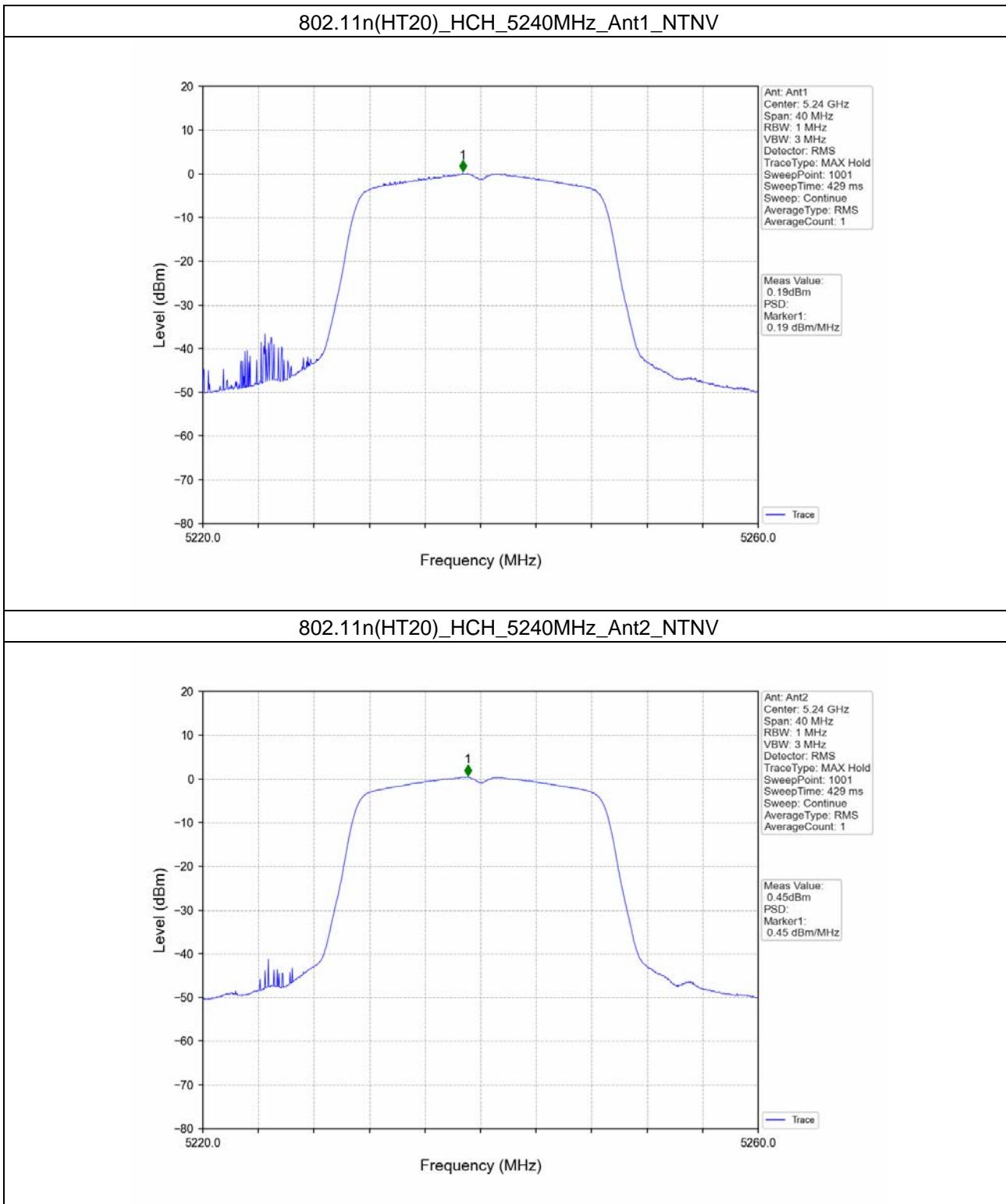
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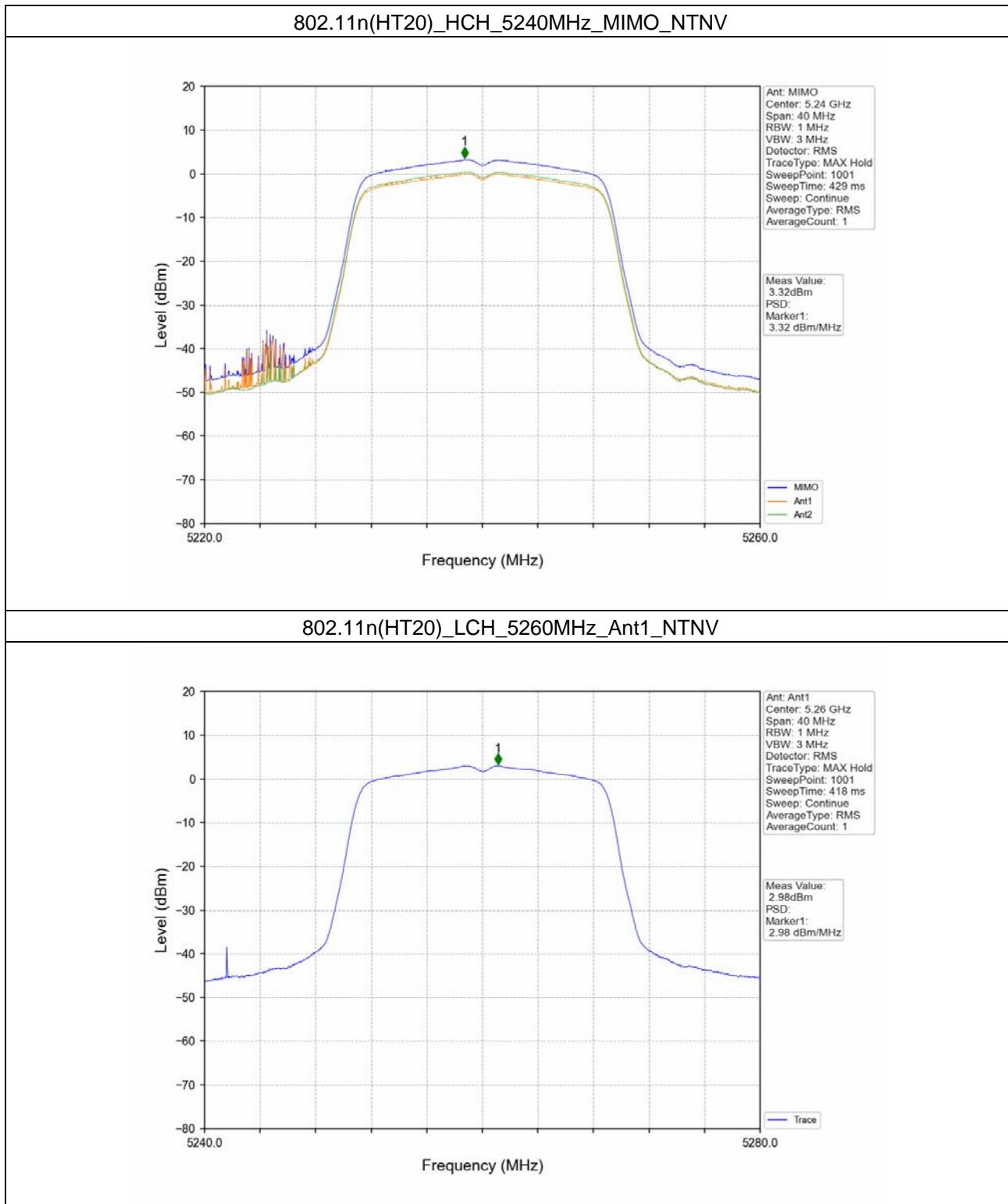


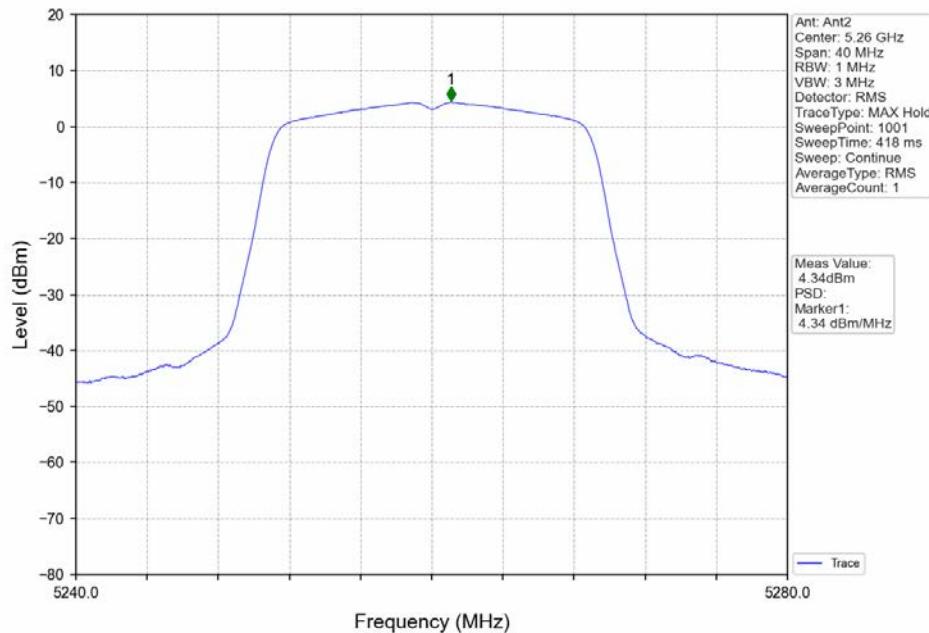
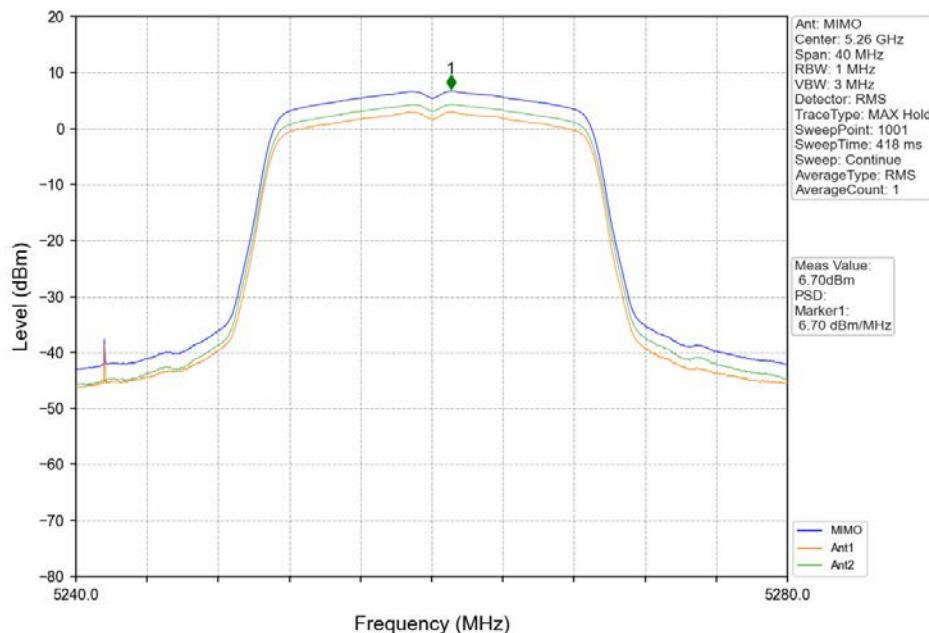
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**802.11n(HT20)\_LCH\_5260MHz\_Ant2\_NTNV****802.11n(HT20)\_LCH\_5260MHz\_MIMO\_NTNV**

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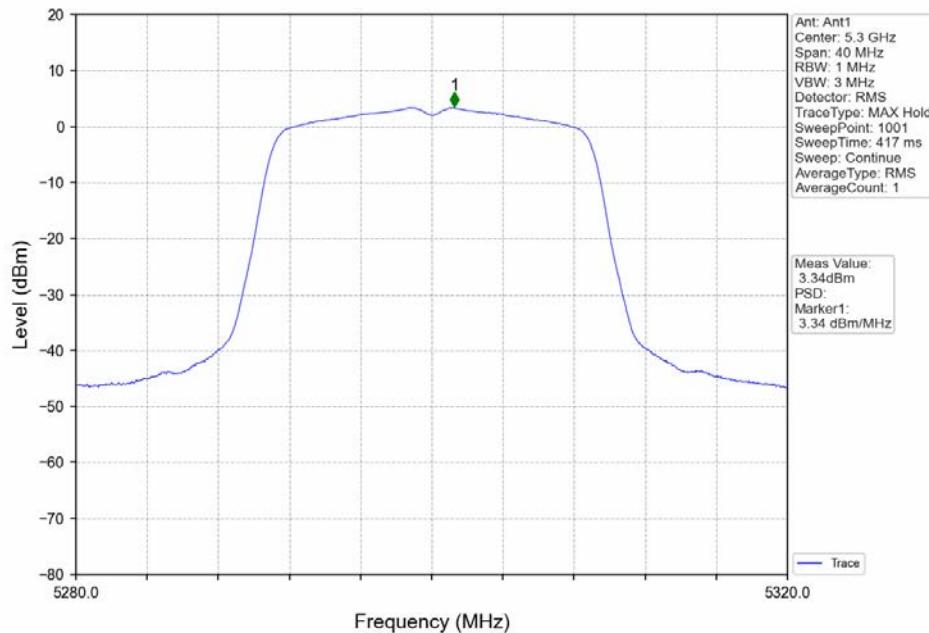
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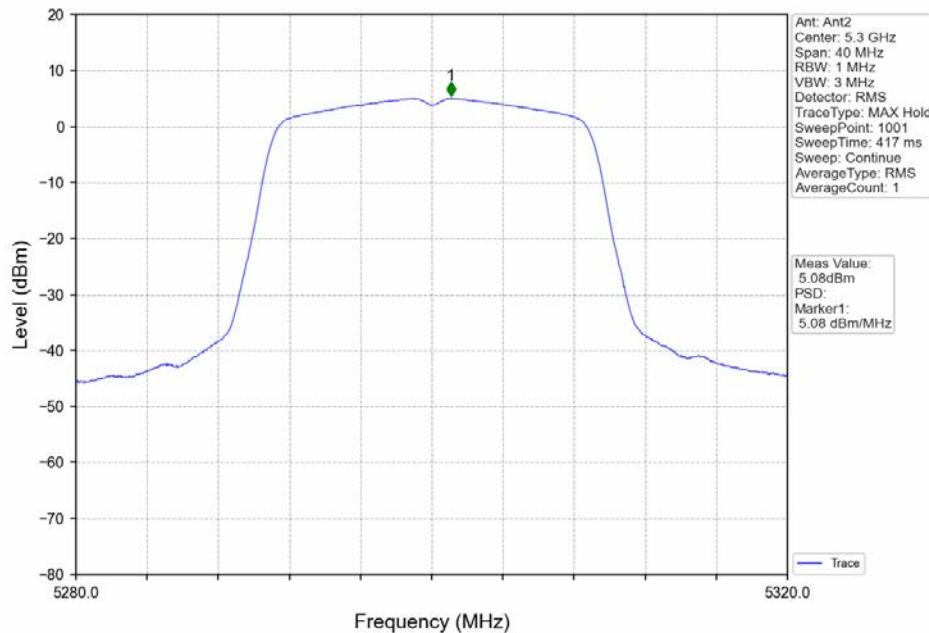
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## 802.11n(HT20)\_MCH\_5300MHz\_Ant1\_NTNV



## 802.11n(HT20)\_MCH\_5300MHz\_Ant2\_NTNV



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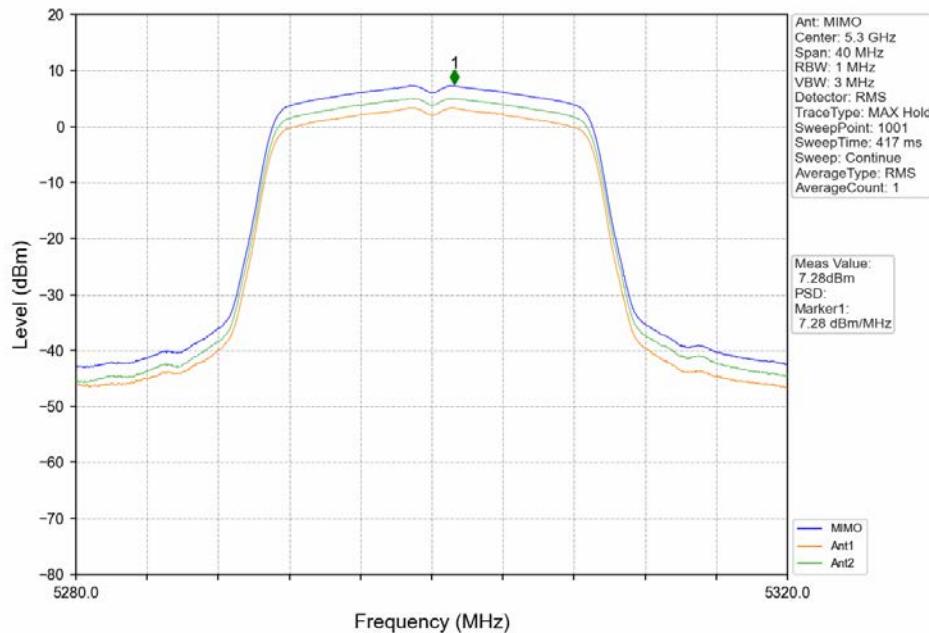
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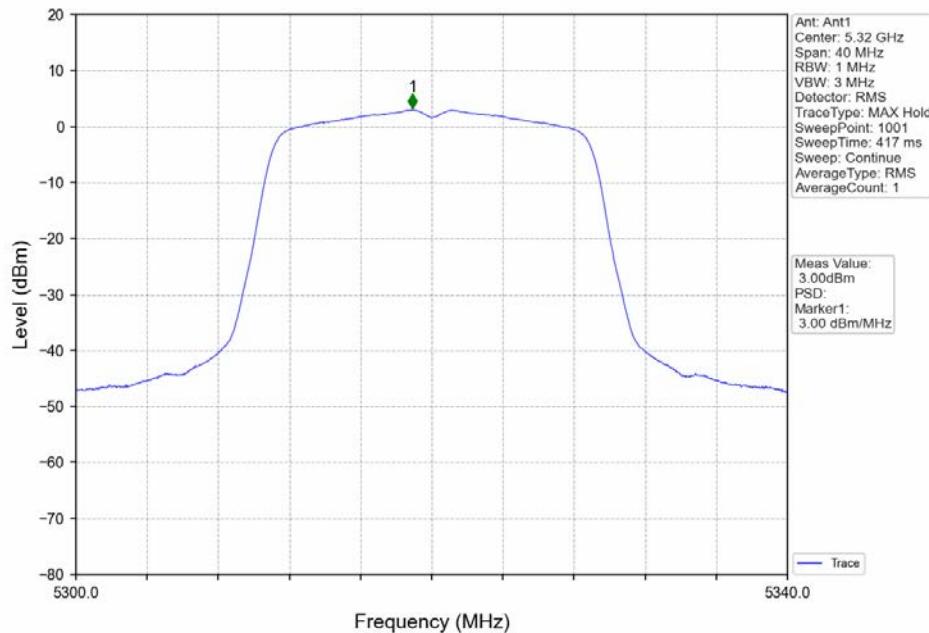
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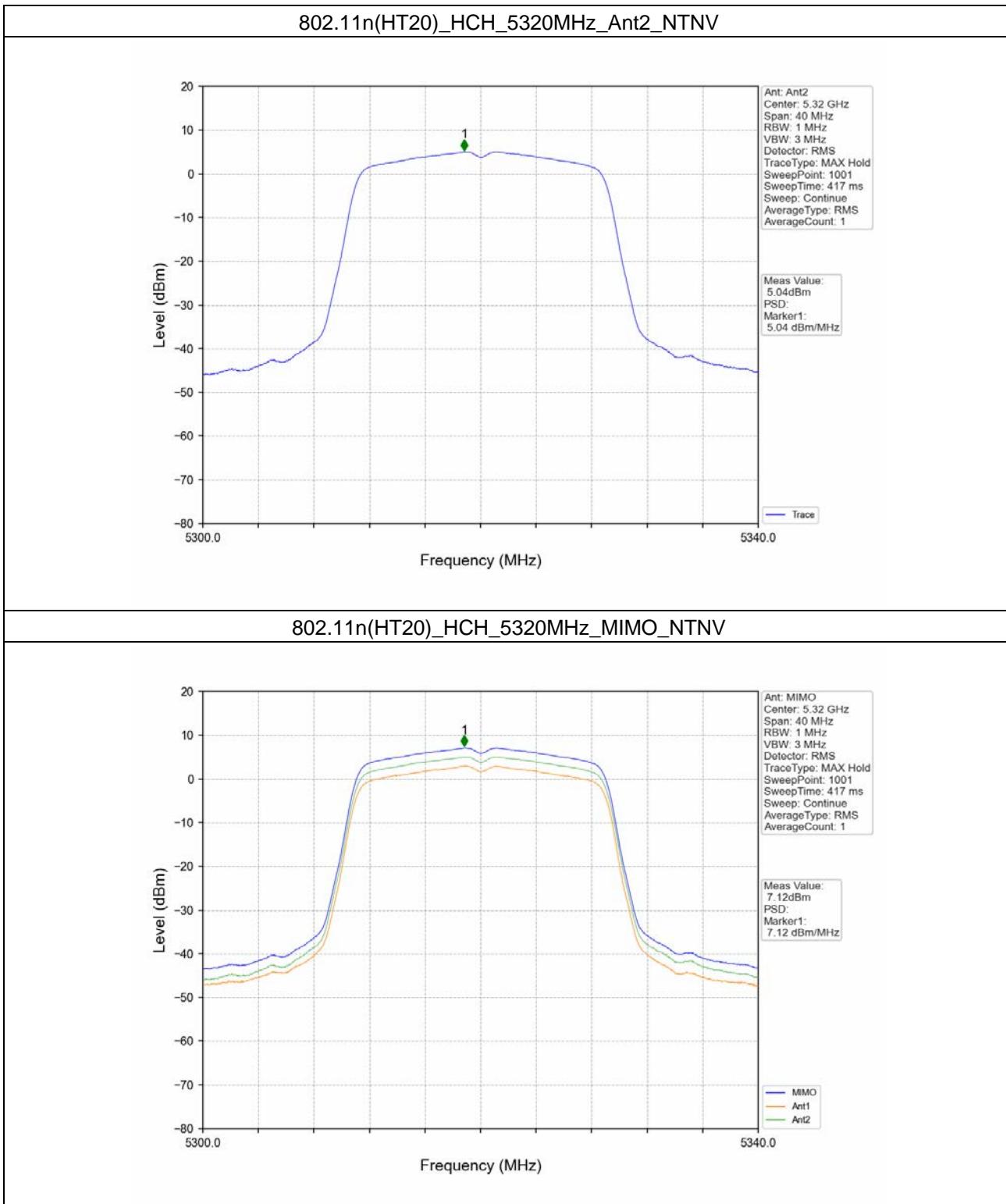
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## 802.11n(HT20)\_MCH\_5300MHz\_MIMO\_NTNV



## 802.11n(HT20)\_HCH\_5320MHz\_Ant1\_NTNV





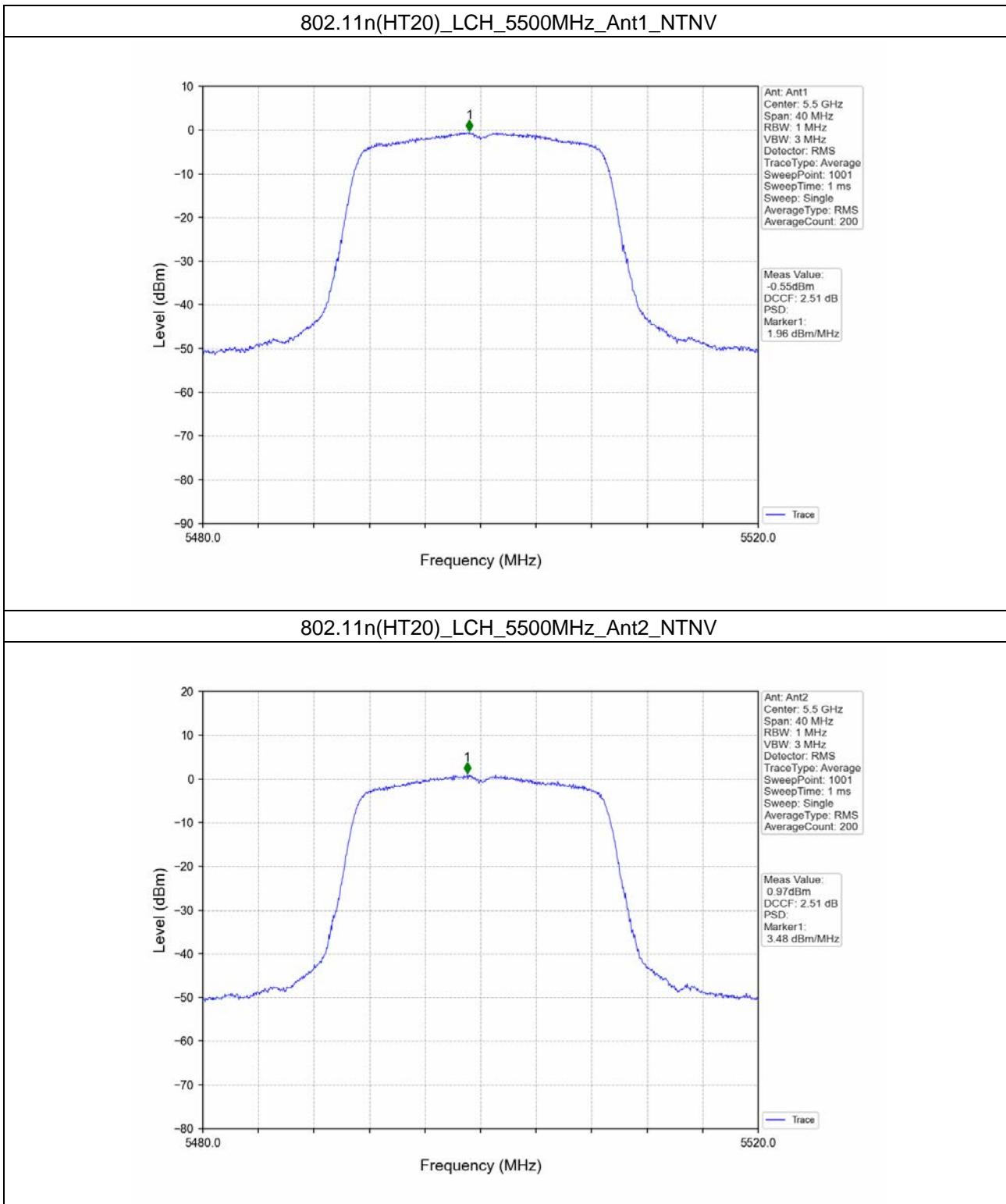
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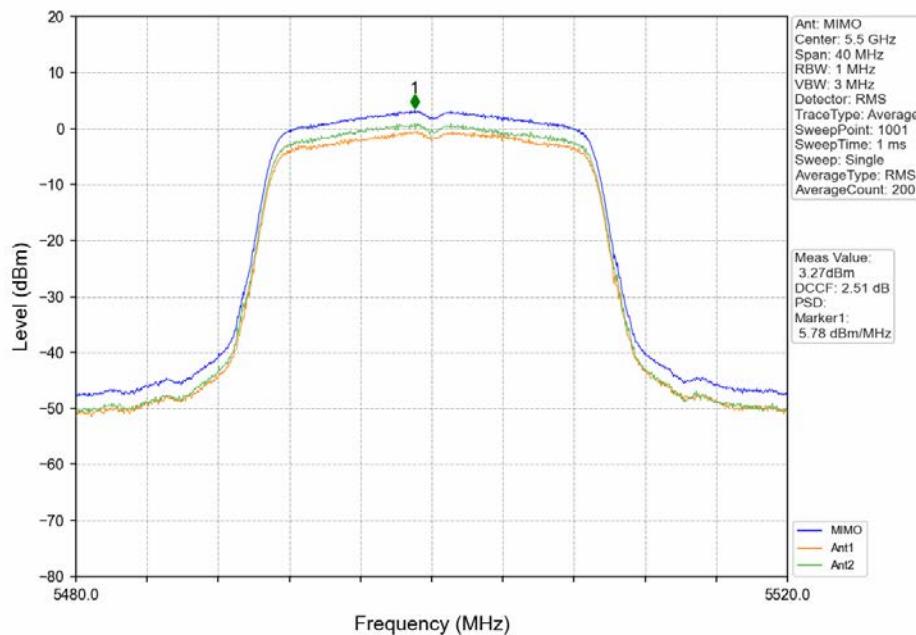
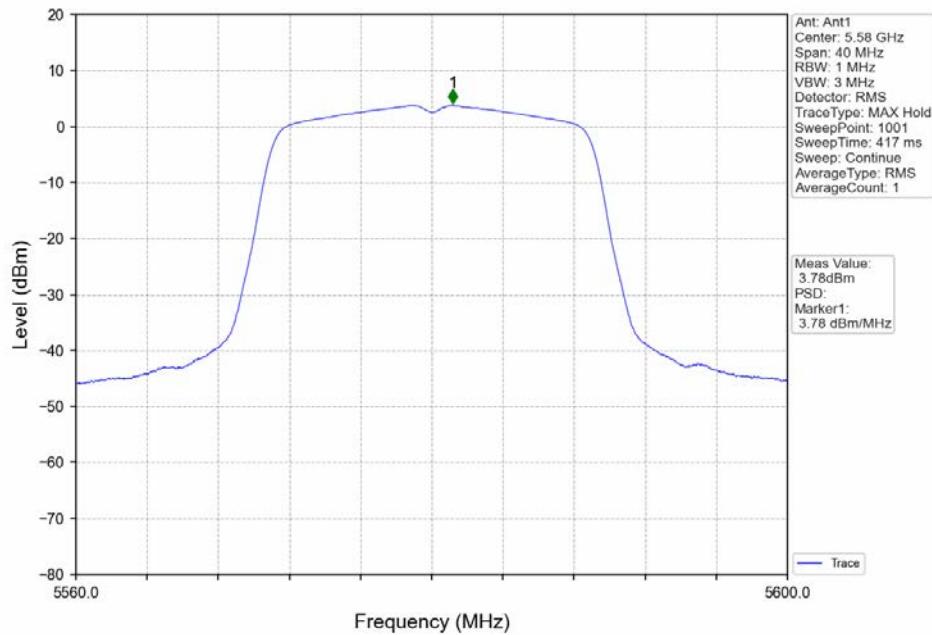
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**802.11n(HT20)\_LCH\_5500MHz\_MIMO\_NTNV****802.11n(HT20)\_MCH\_5580MHz\_Ant1\_NTNV**

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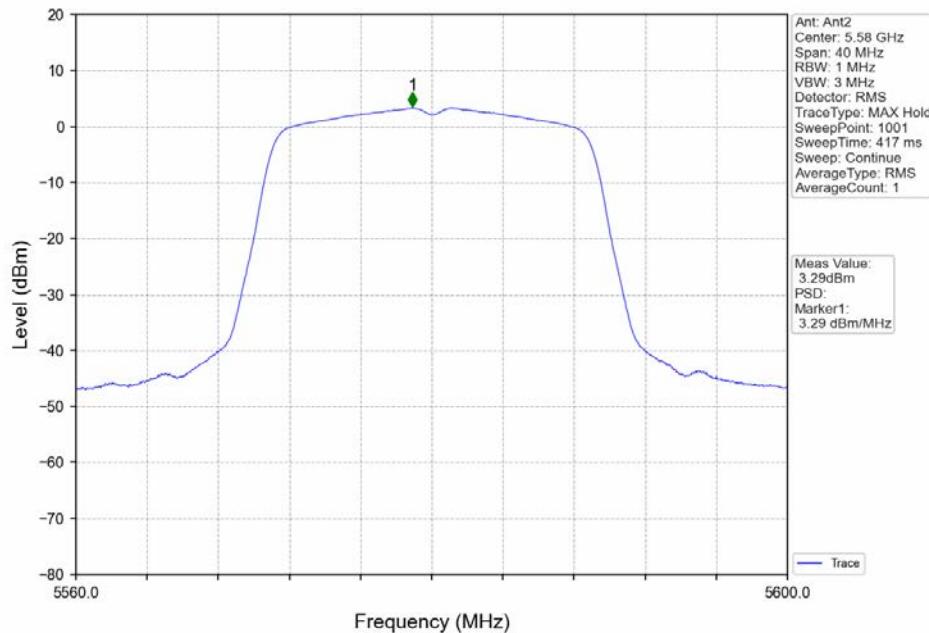


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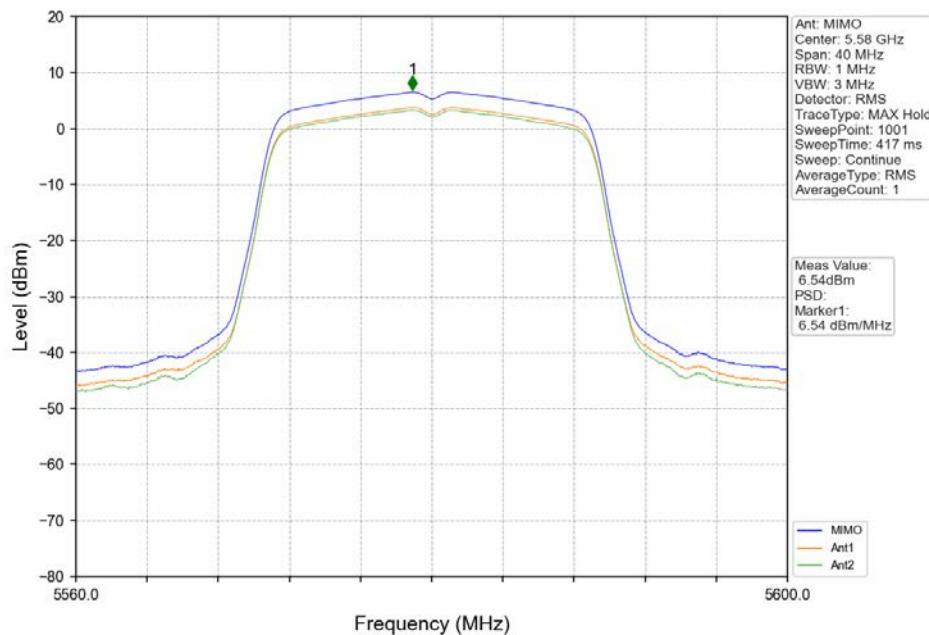
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## 802.11n(HT20)\_MCH\_5580MHz\_Ant2\_NTNV



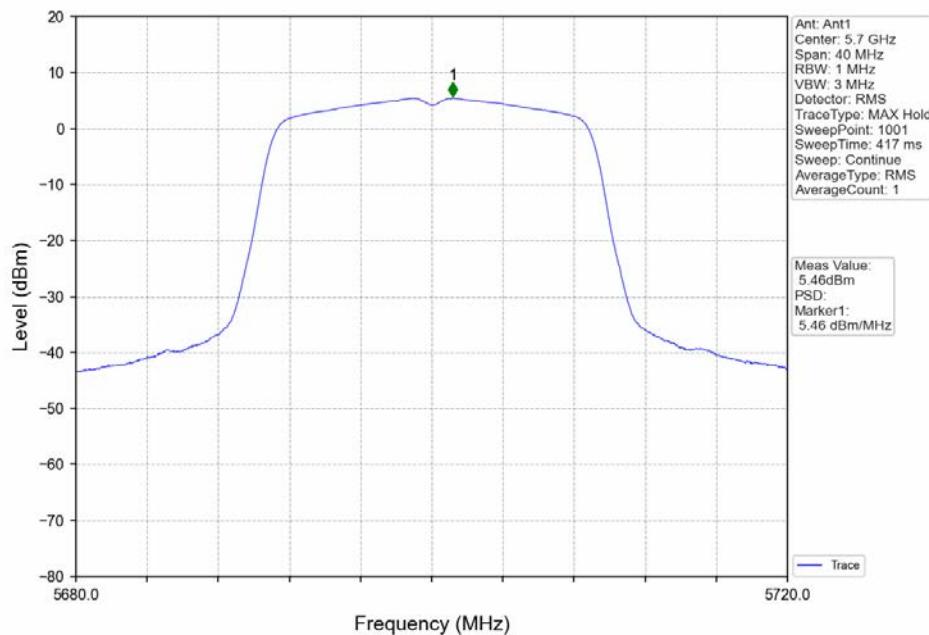
## 802.11n(HT20)\_MCH\_5580MHz\_MIMO\_NTNV



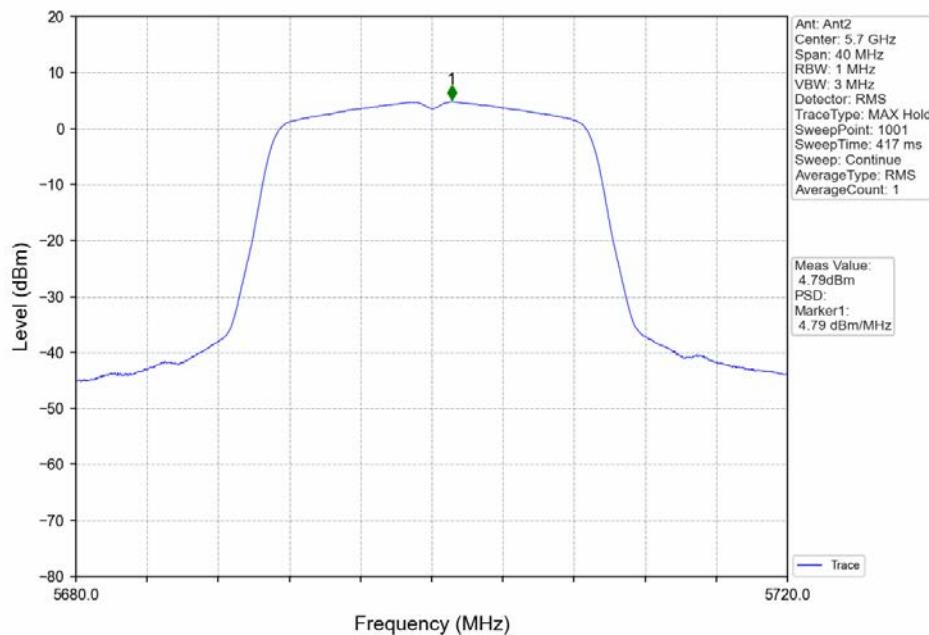
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## 802.11n(HT20)\_HCH\_5700MHz\_Ant1\_NTNV

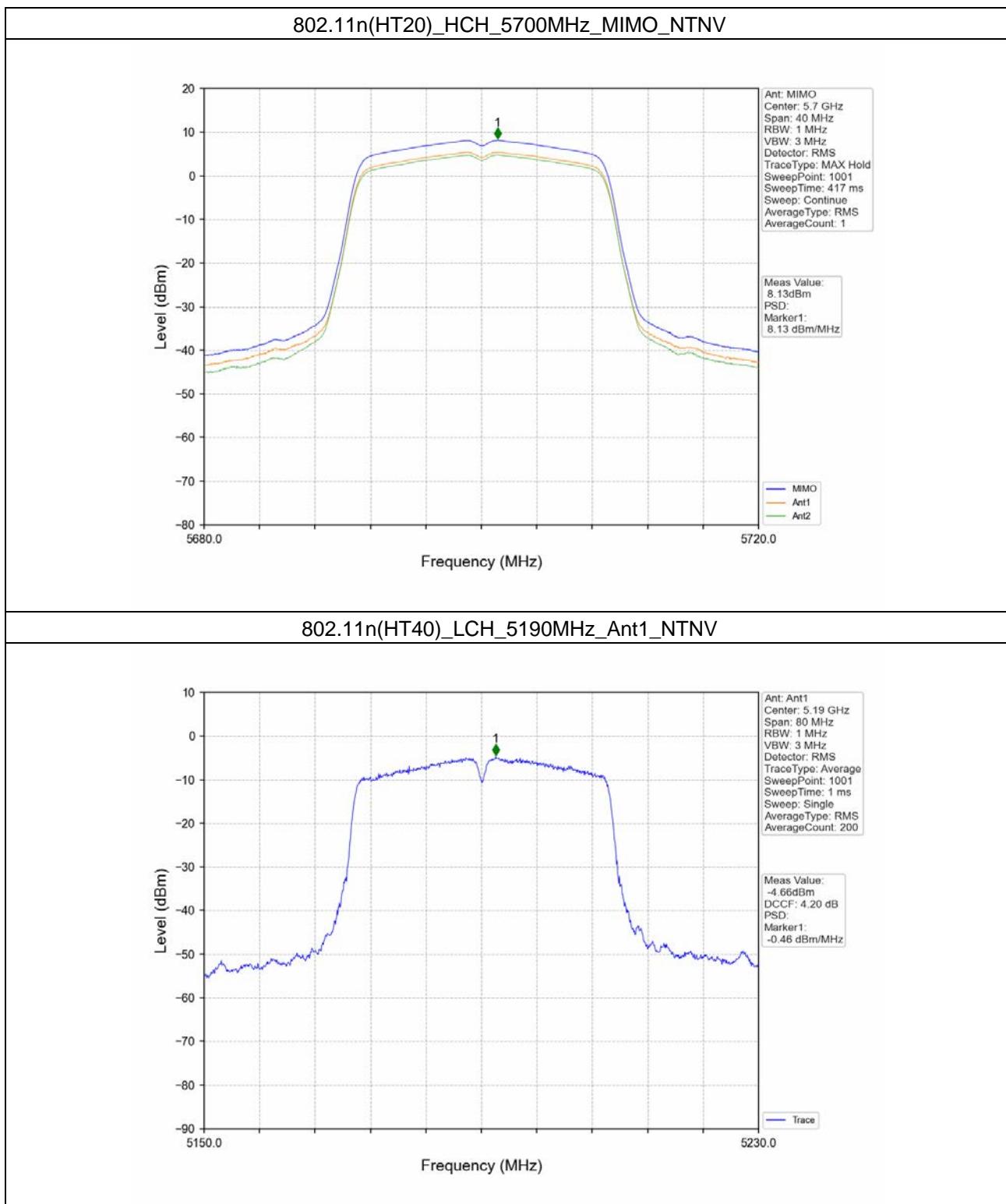


## 802.11n(HT20)\_HCH\_5700MHz\_Ant2\_NTNV



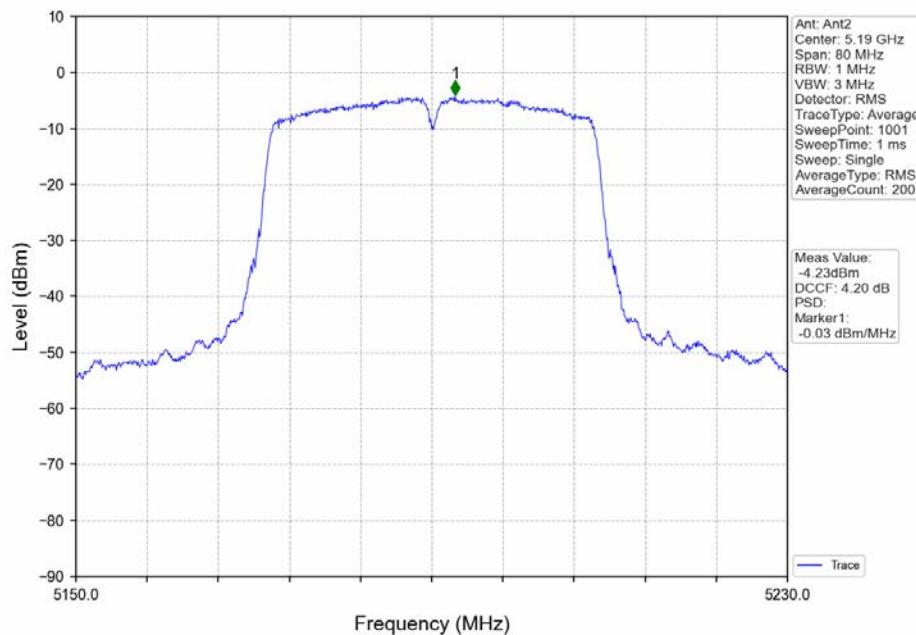
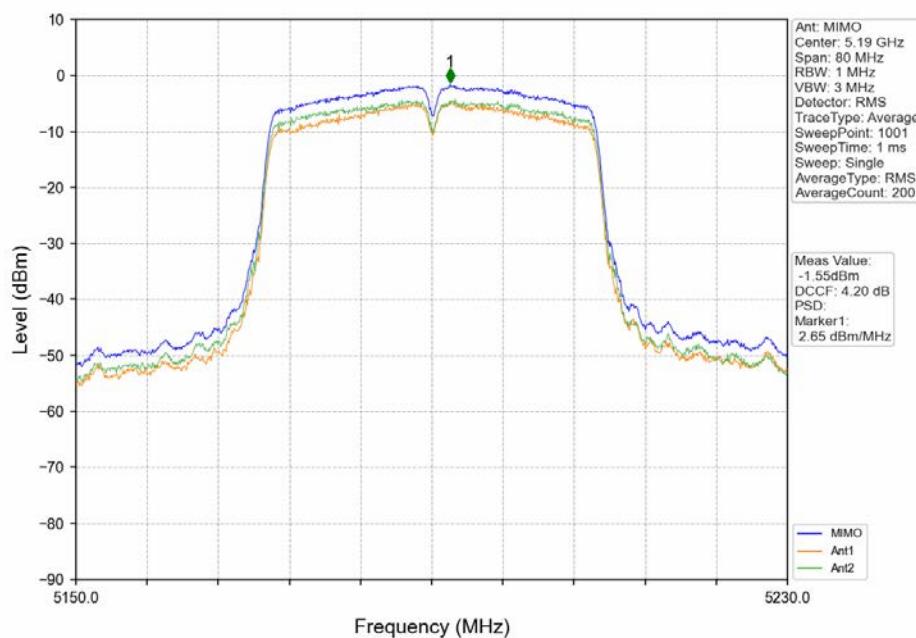
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**802.11n(HT40)\_LCH\_5190MHz\_Ant2\_NTNV****802.11n(HT40)\_LCH\_5190MHz\_MIMO\_NTNV**

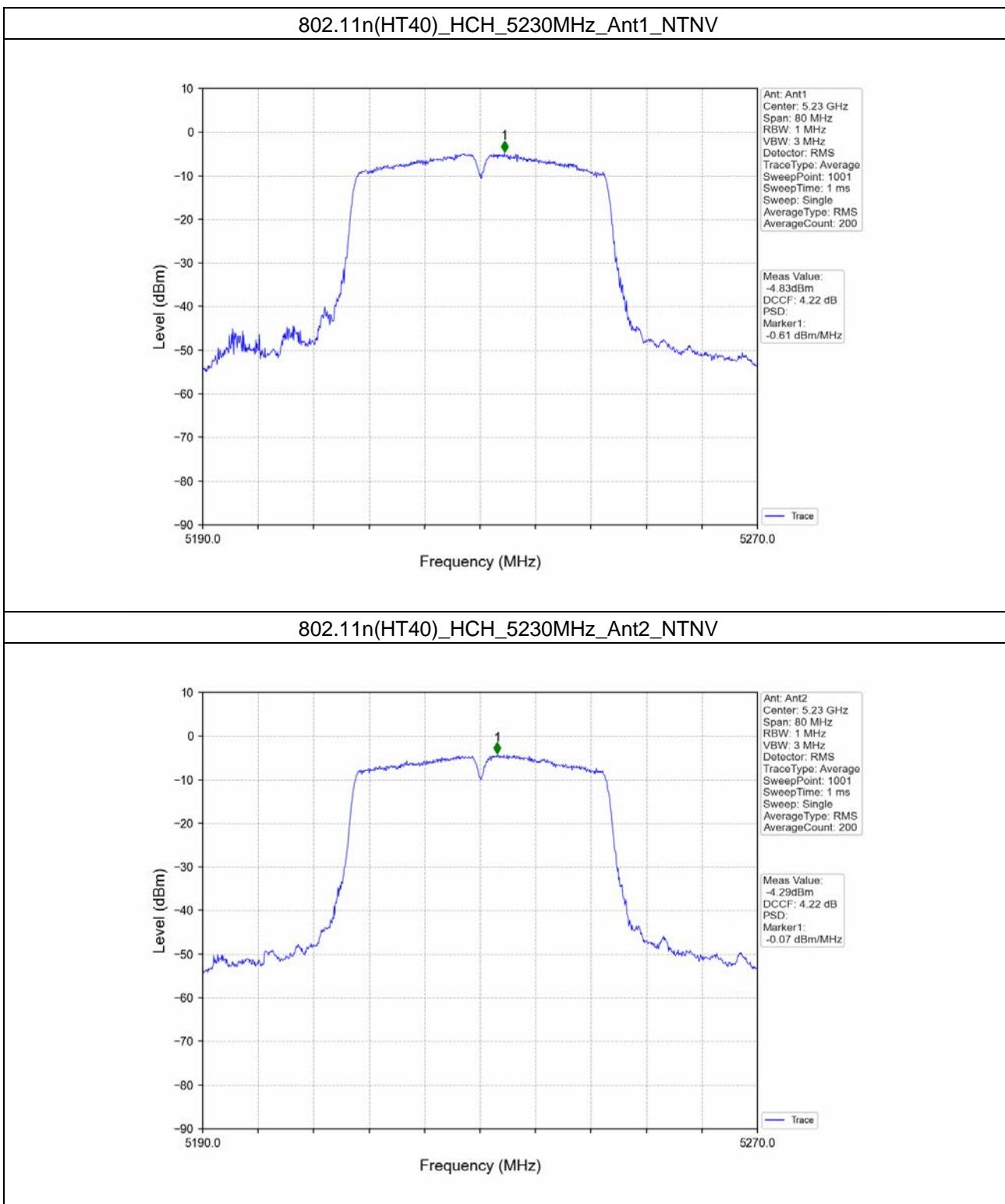
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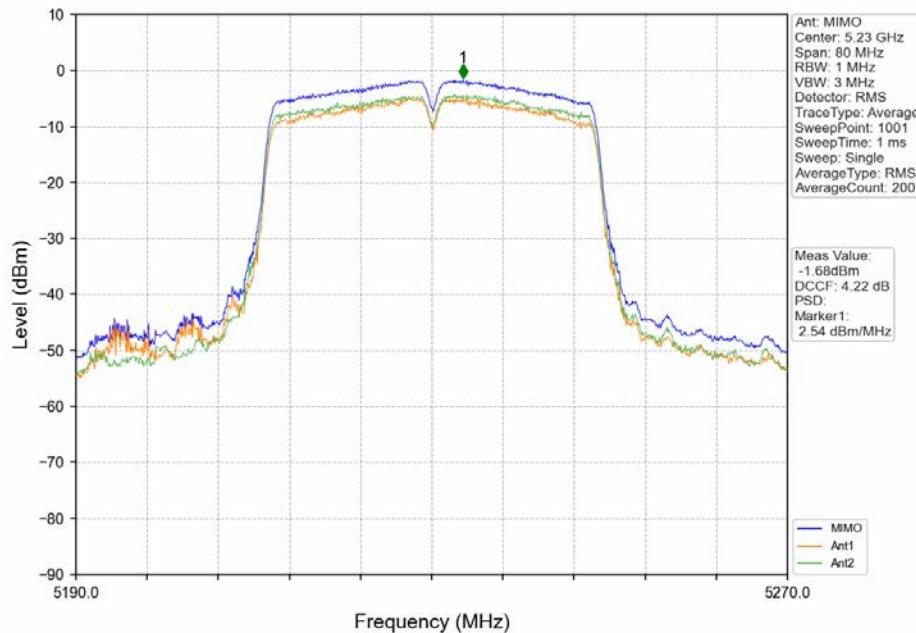
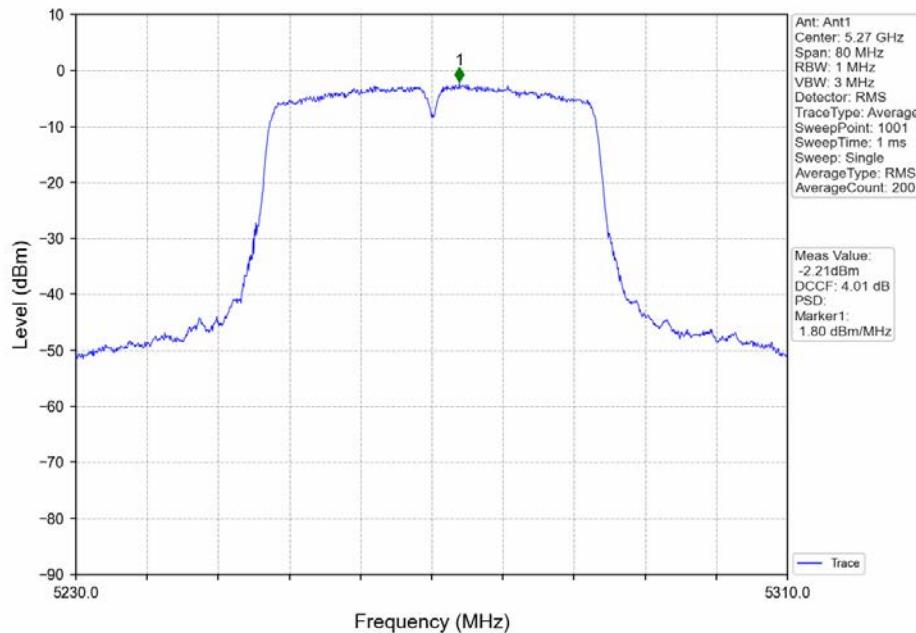
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**802.11n(HT40)\_HCH\_5230MHz\_MIMO\_NTNV****802.11n(HT40)\_LCH\_5270MHz\_Ant1\_NTNV**

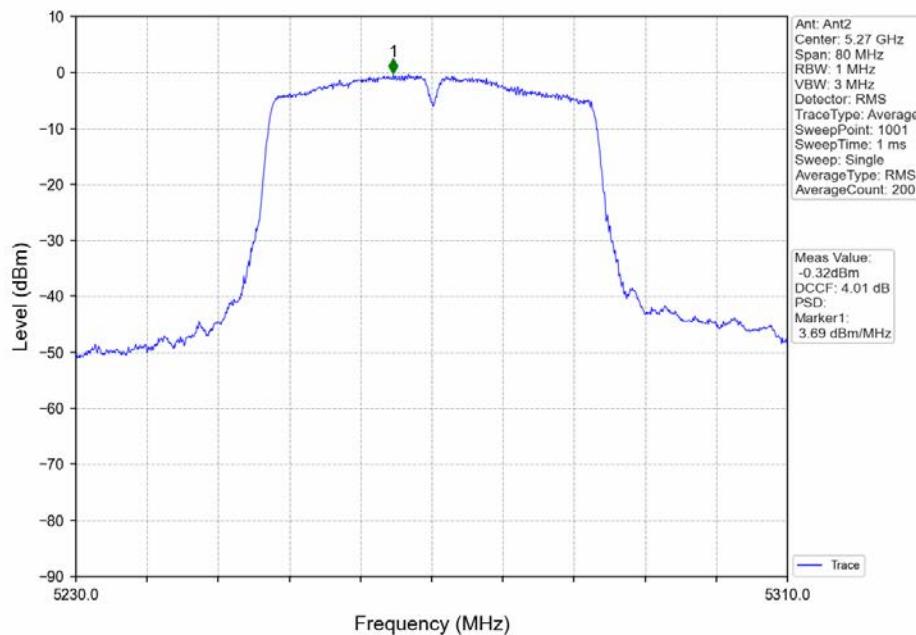
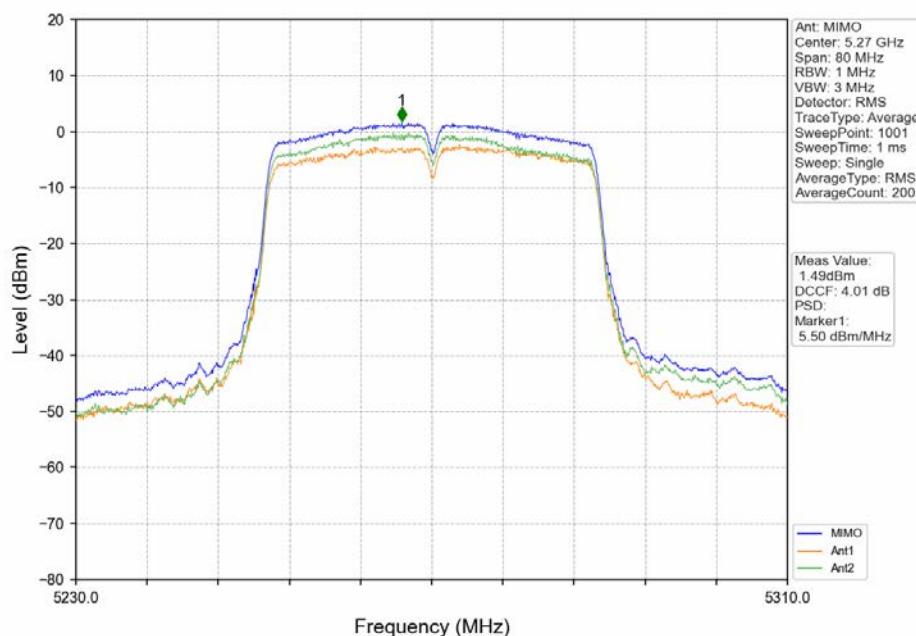
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**802.11n(HT40)\_LCH\_5270MHz\_Ant2\_NTNV****802.11n(HT40)\_LCH\_5270MHz\_MIMO\_NTNV**

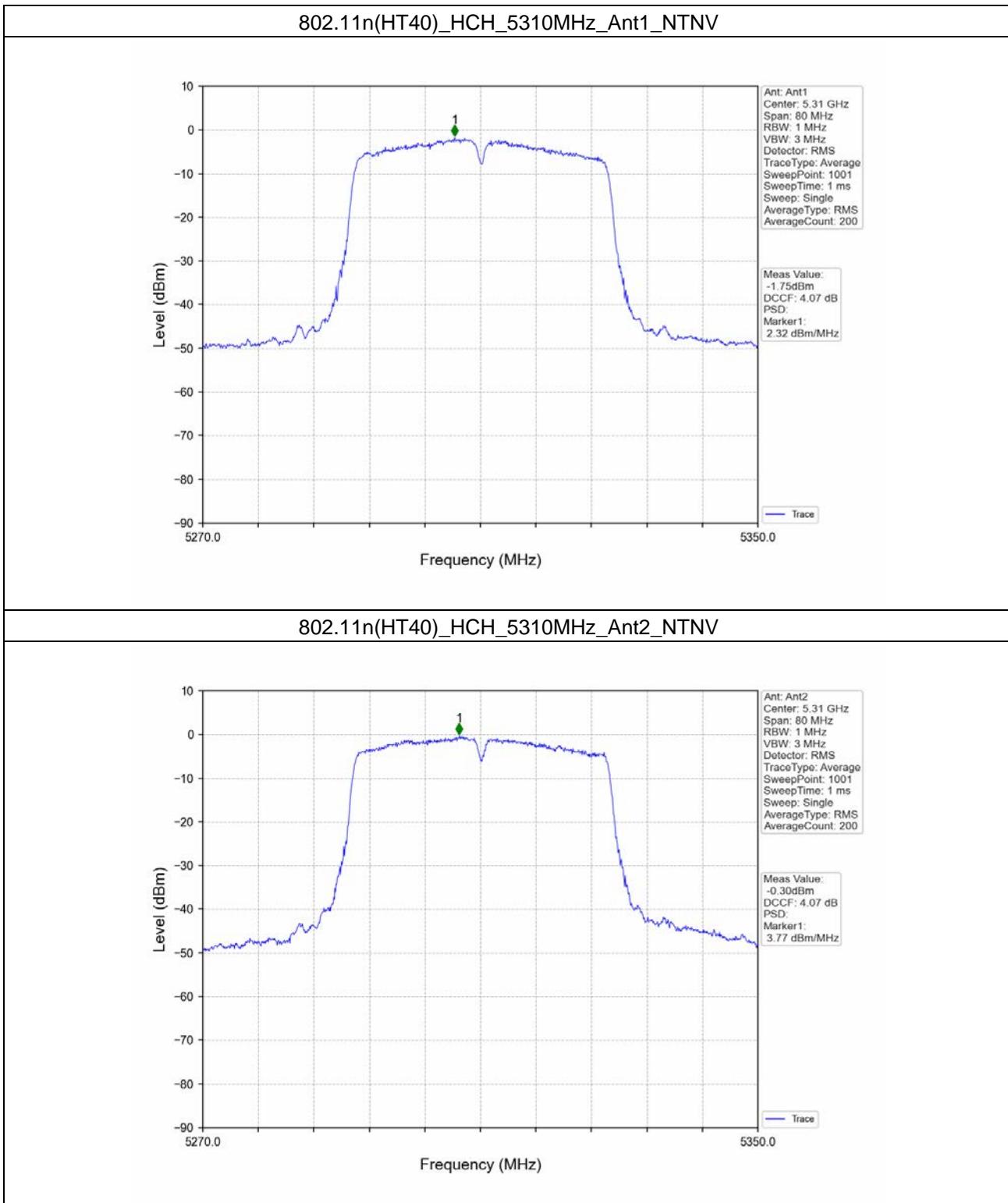
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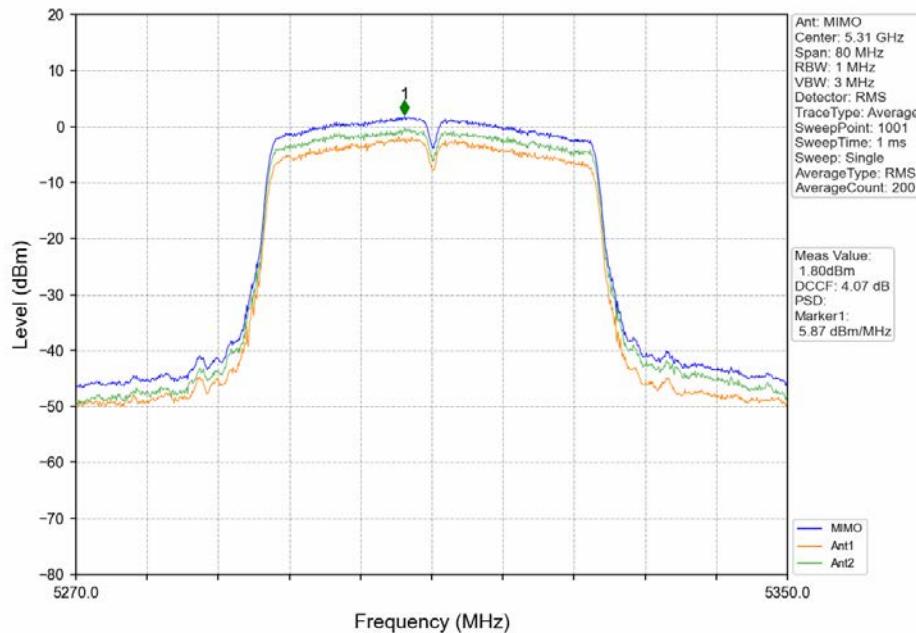
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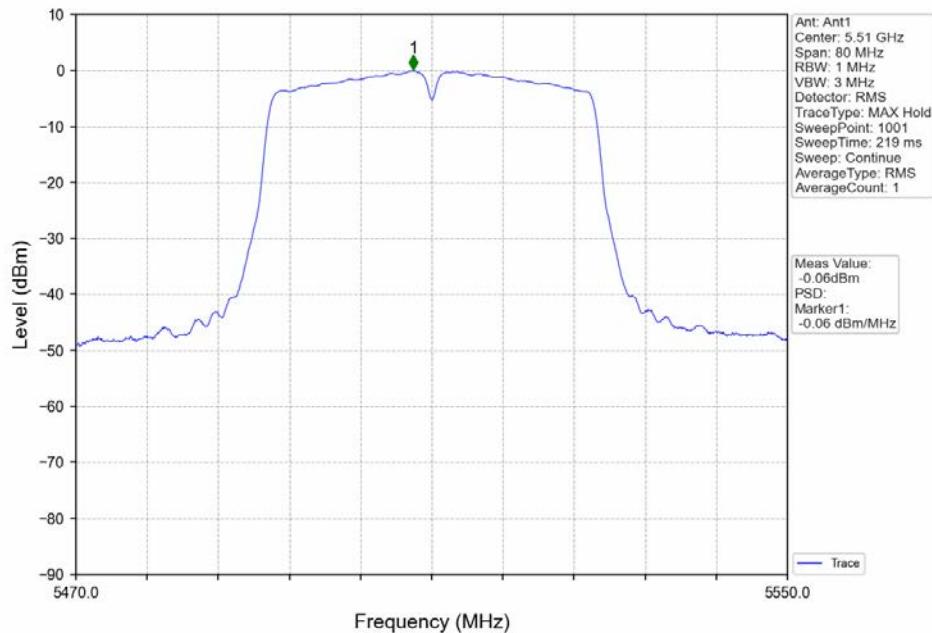
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## 802.11n(HT40)\_HCH\_5310MHz\_MIMO\_NTNV



## 802.11n(HT40)\_LCH\_5510MHz\_Ant1\_NTNV



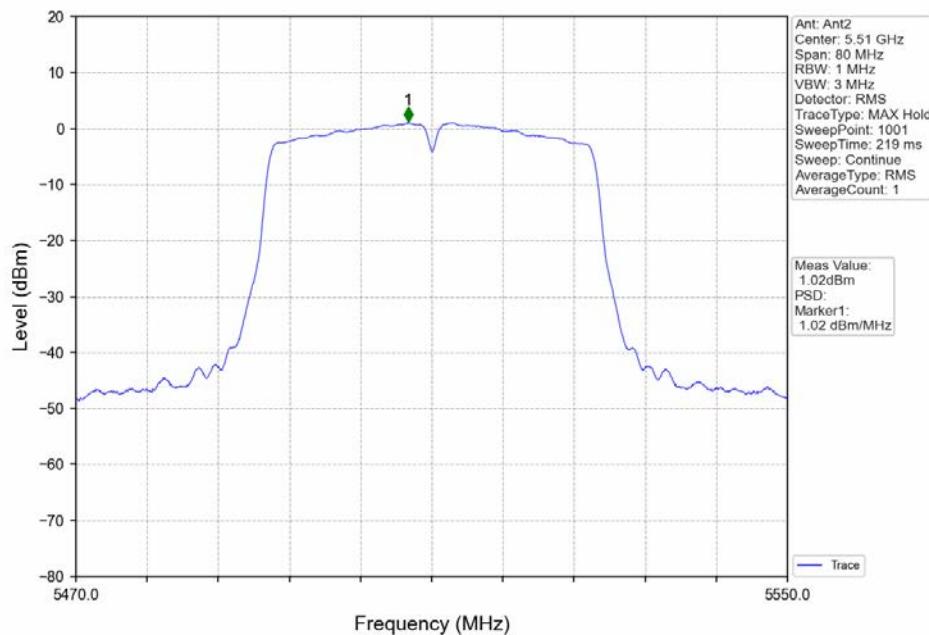
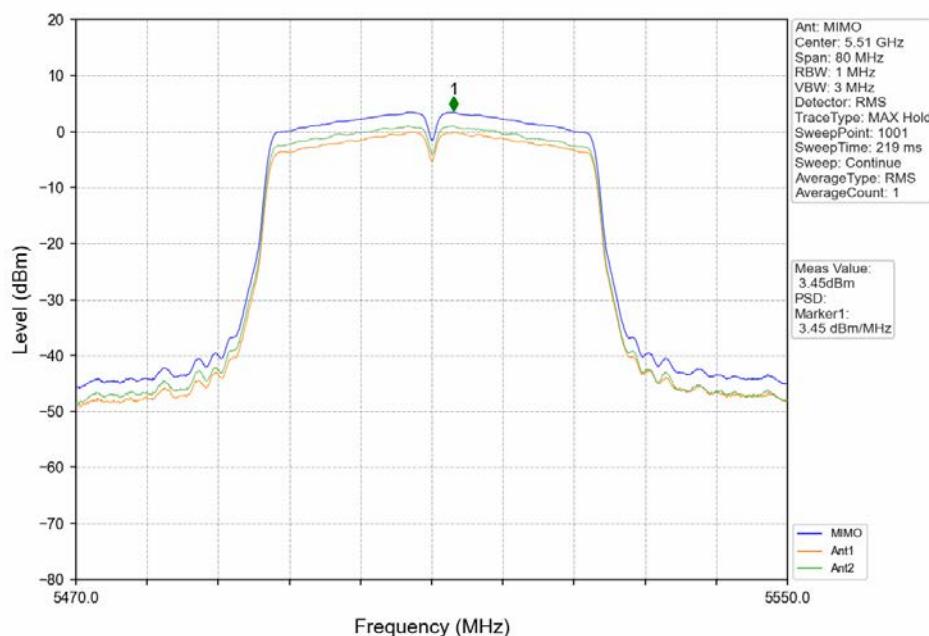
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**802.11n(HT40)\_LCH\_5510MHz\_Ant2\_NTNV****802.11n(HT40)\_LCH\_5510MHz\_MIMO\_NTNV**

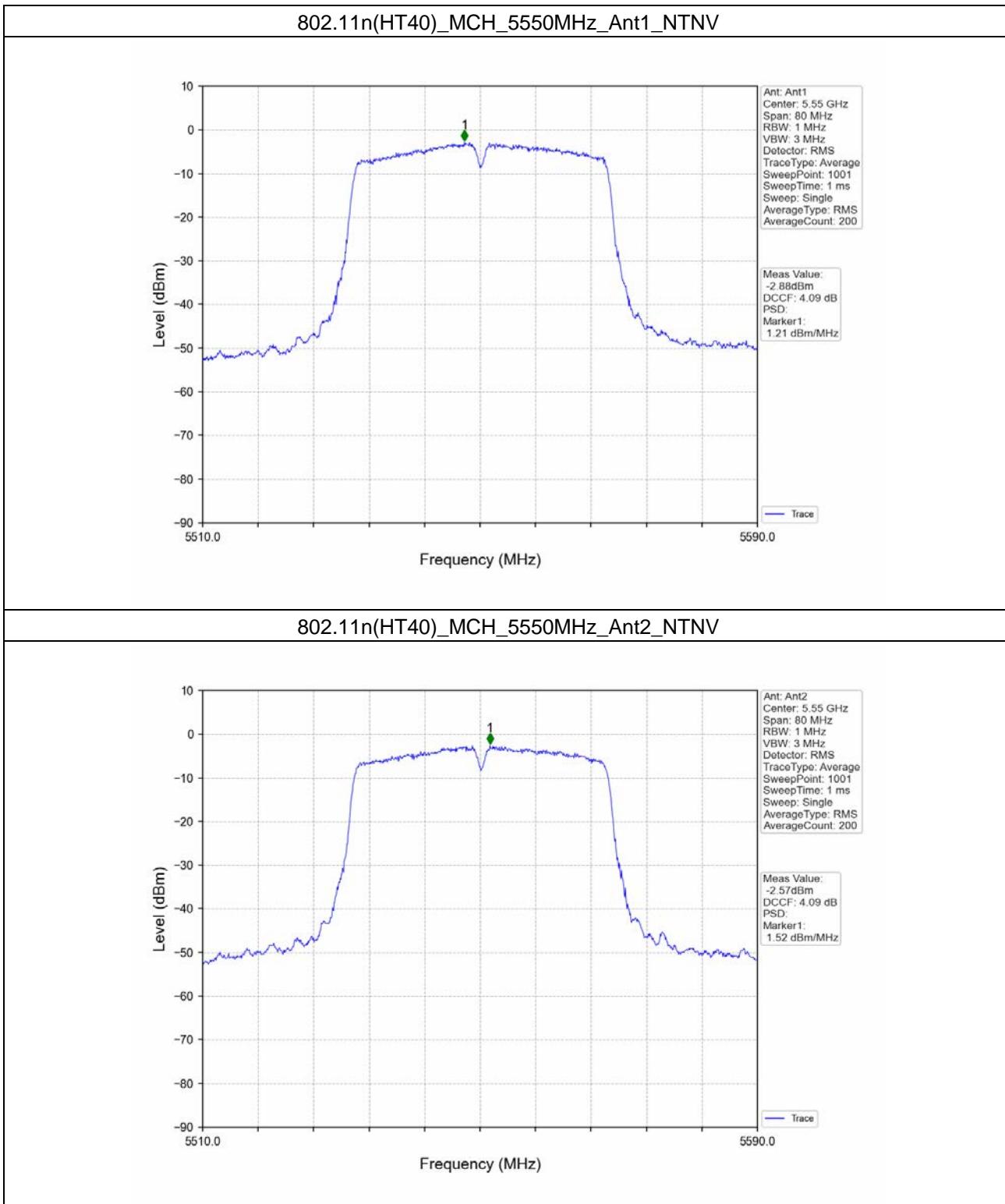
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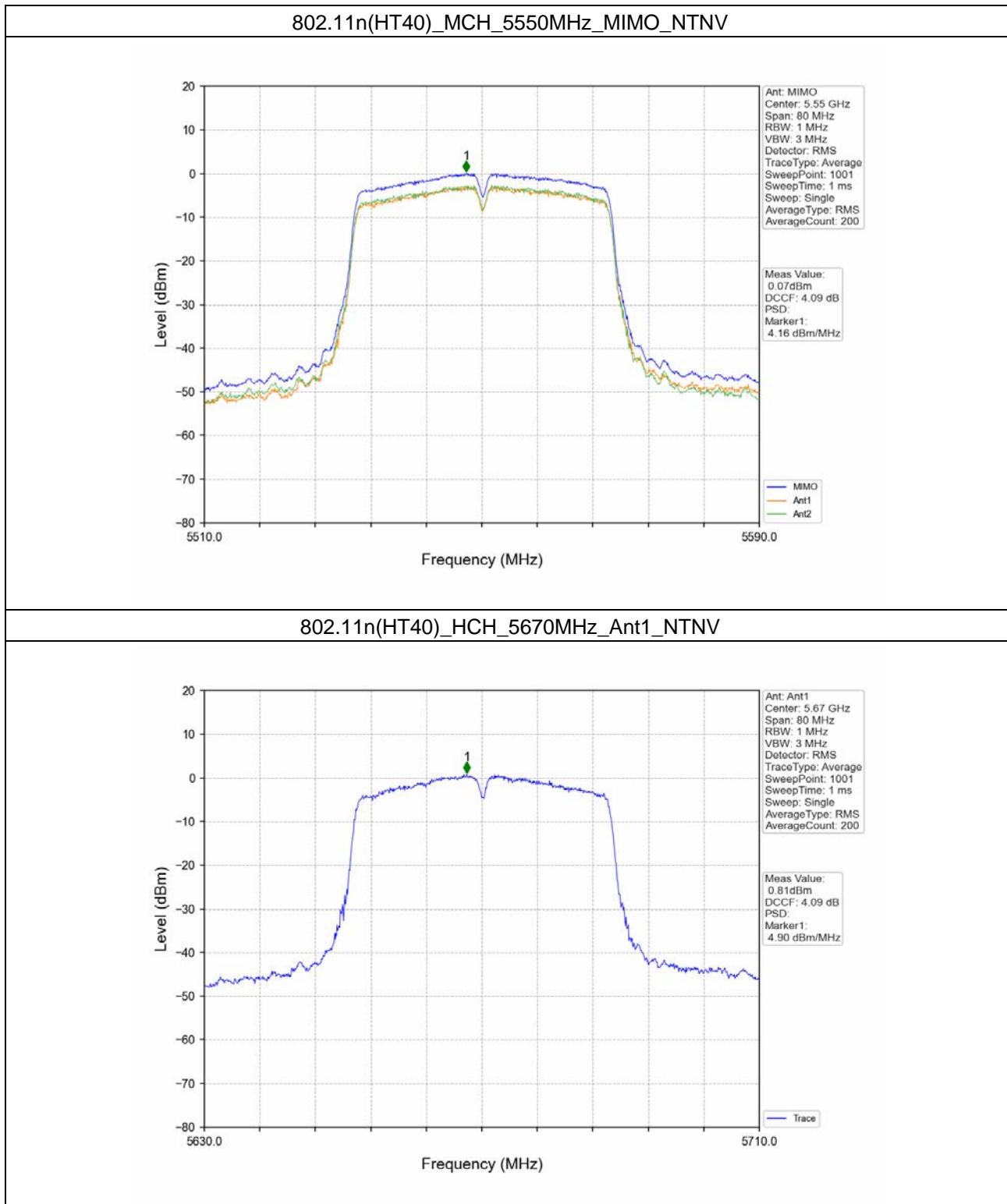
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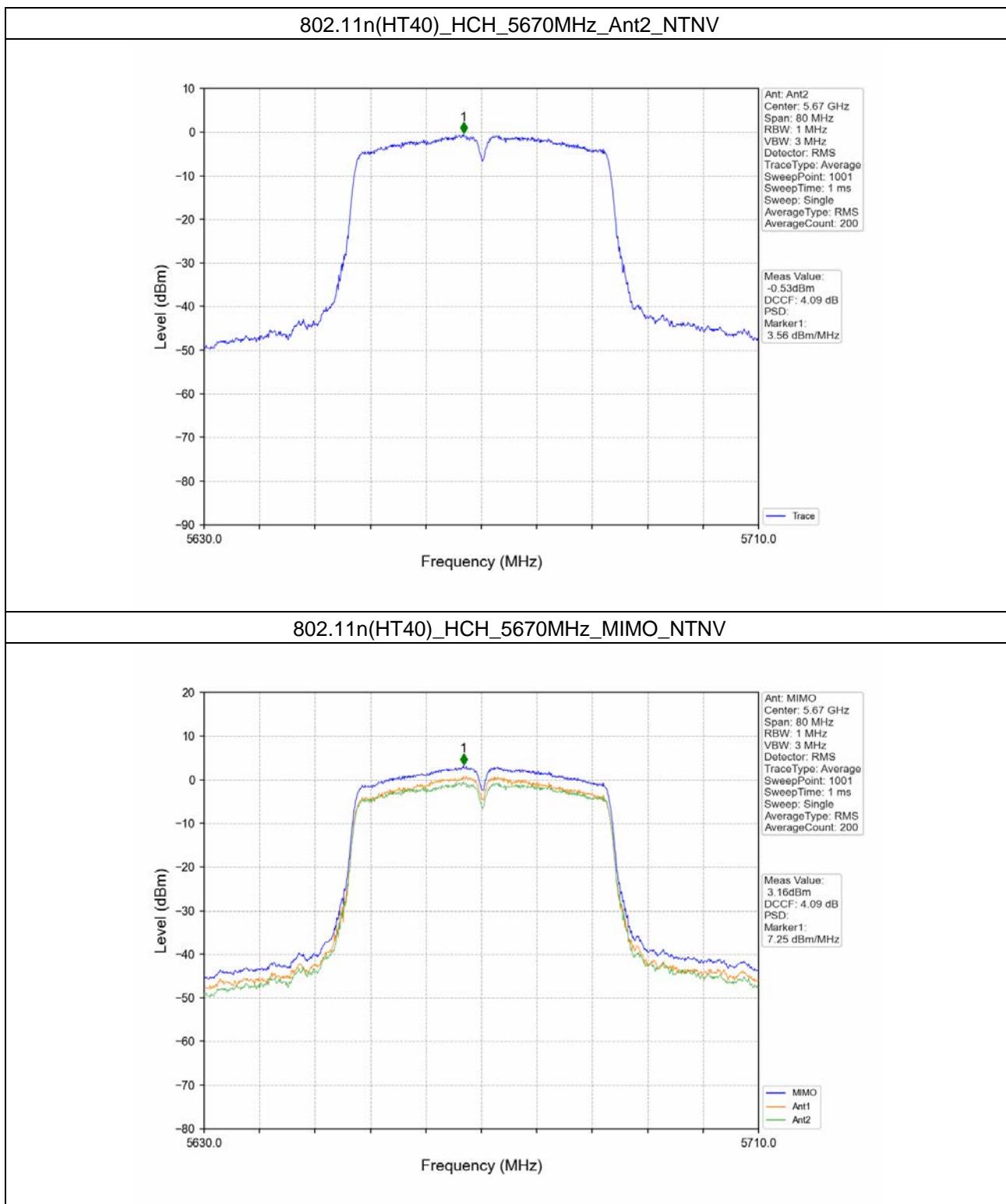
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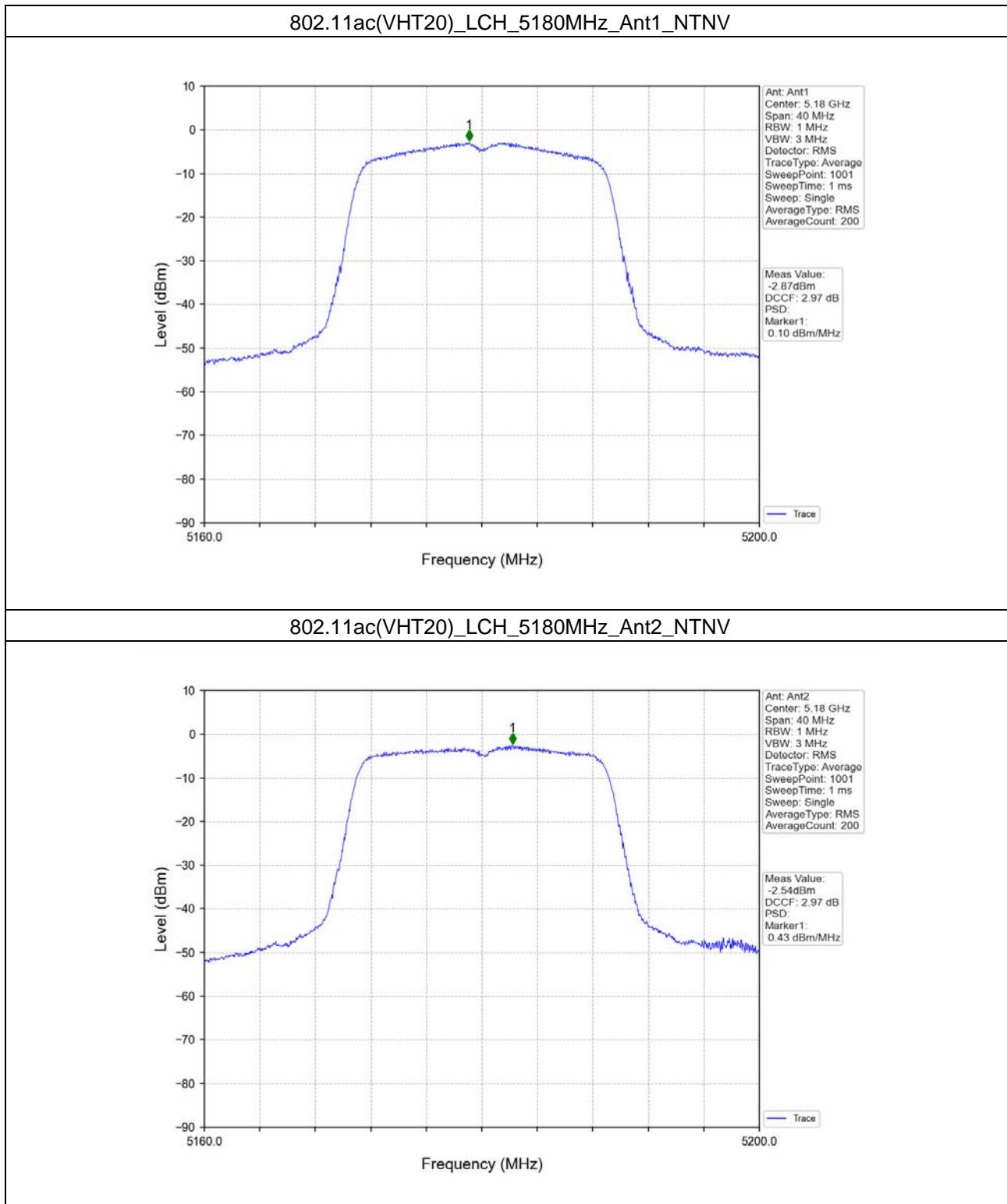
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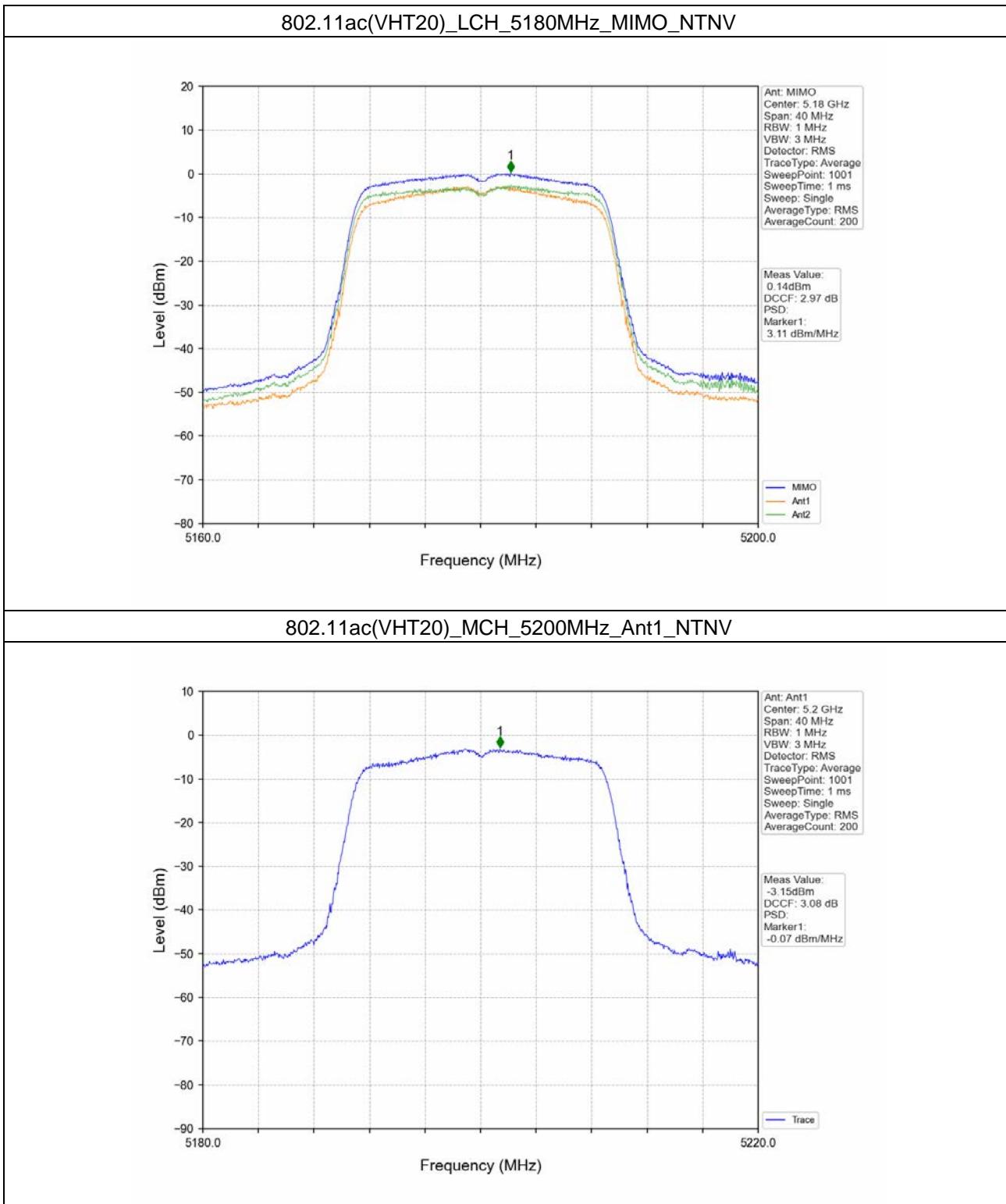


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