

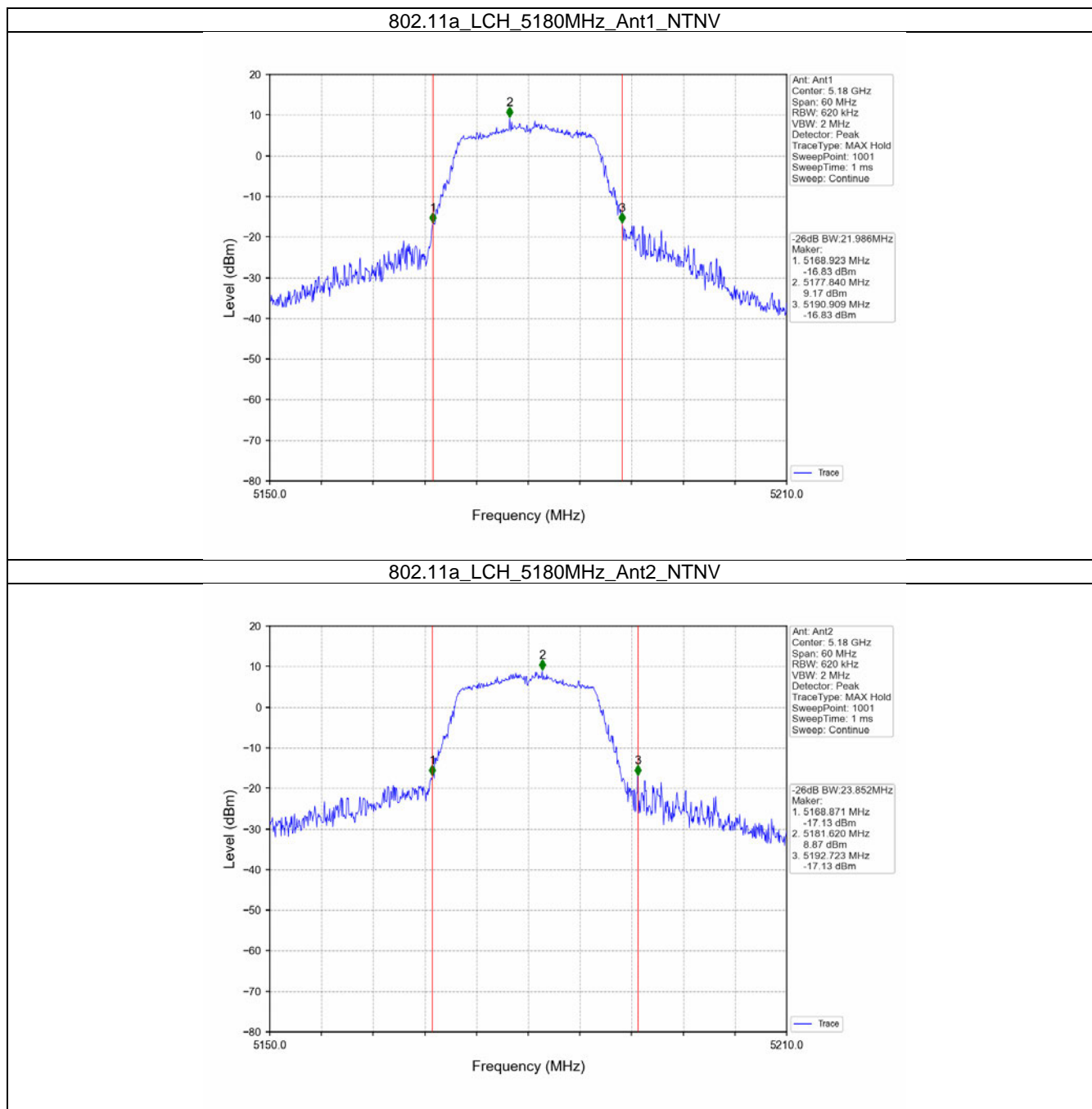
802.11ac (VHT20)	MIMO	5180	2	40.857	Pass
			1	22.217	Pass
			2	22.050	Pass
		5200	1	22.160	Pass
			2	22.274	Pass
		5240	1	24.806	Pass
			2	22.110	Pass
		5260	1	22.250	Pass
			2	22.665	Pass
		5300	1	24.252	Pass
			2	22.142	Pass
		5320	1	22.184	Pass
			2	22.224	Pass
		5500	1	22.305	Pass
			2	22.143	Pass
		5580	1	22.336	Pass
			2	25.655	Pass
		5700	1	22.158	Pass
			2	22.020	Pass
802.11ac (VHT40)	MIMO	5190	1	41.105	Pass
			2	41.300	Pass
		5230	1	41.170	Pass
			2	42.565	Pass
		5270	1	44.932	Pass
			2	41.408	Pass
		5310	1	45.071	Pass
			2	41.563	Pass
		5510	1	41.397	Pass
			2	41.330	Pass
802.11ac (VHT80)	MIMO	5550	1	41.439	Pass
			2	41.404	Pass
		5670	1	41.174	Pass
			2	41.525	Pass
		5210	1	84.147	Pass
			2	83.775	Pass
		5290	1	83.364	Pass
			2	83.256	Pass
		5530	1	83.494	Pass
			2	83.830	Pass
		5610	1	83.919	Pass
			2	84.060	Pass



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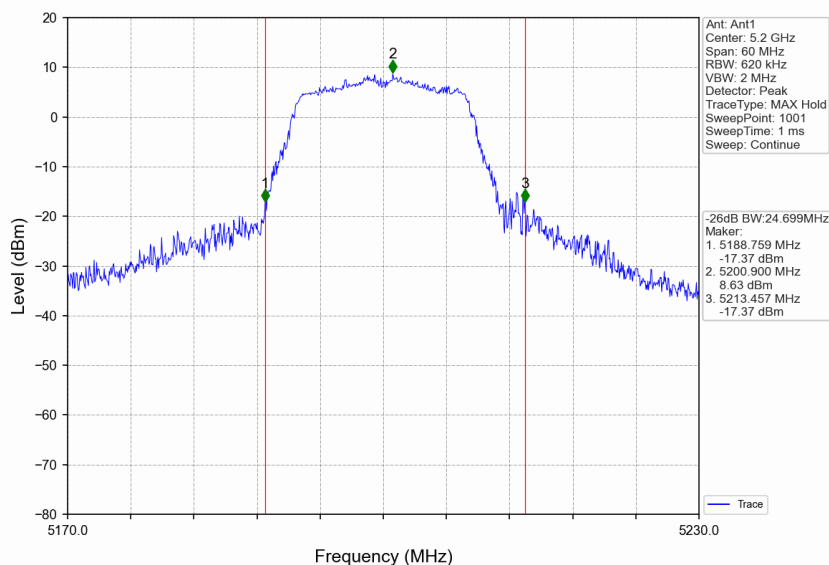
## 2.3.2 Test Graph



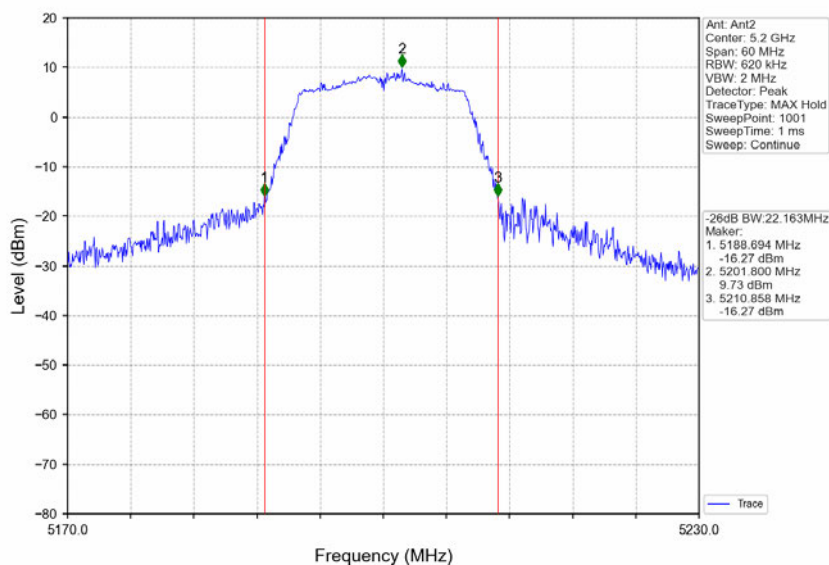
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802.11a\_MCH\_5200MHz\_Ant1\_NTNV



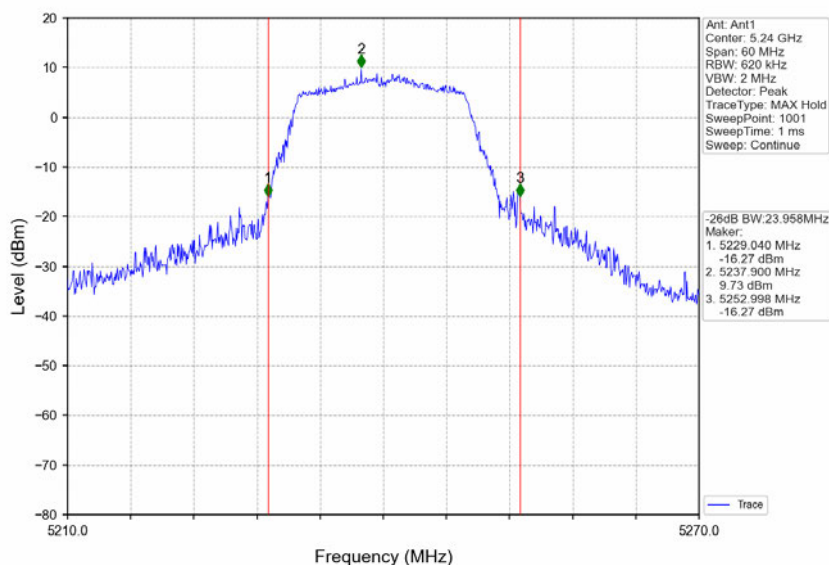
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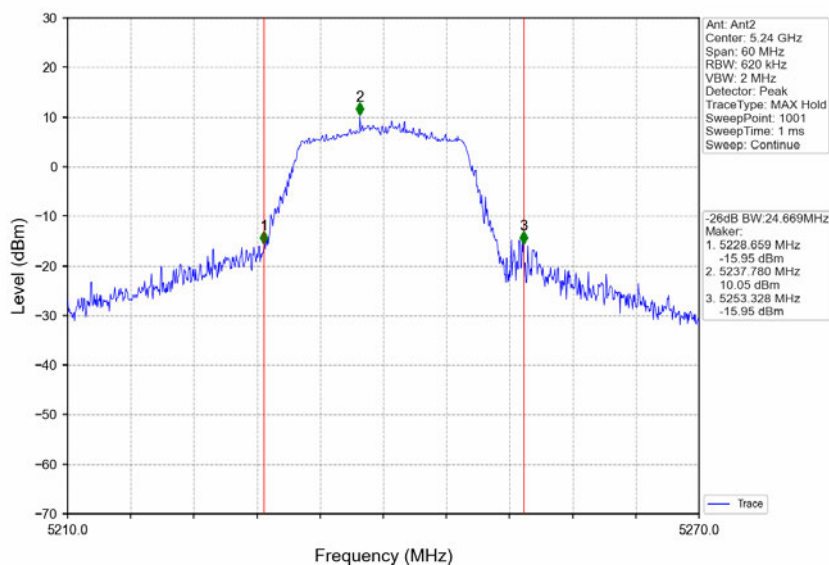
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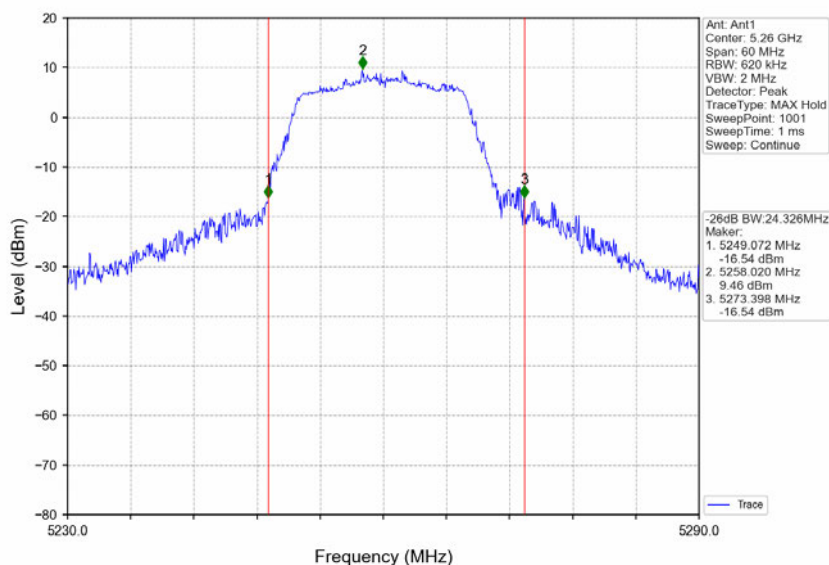
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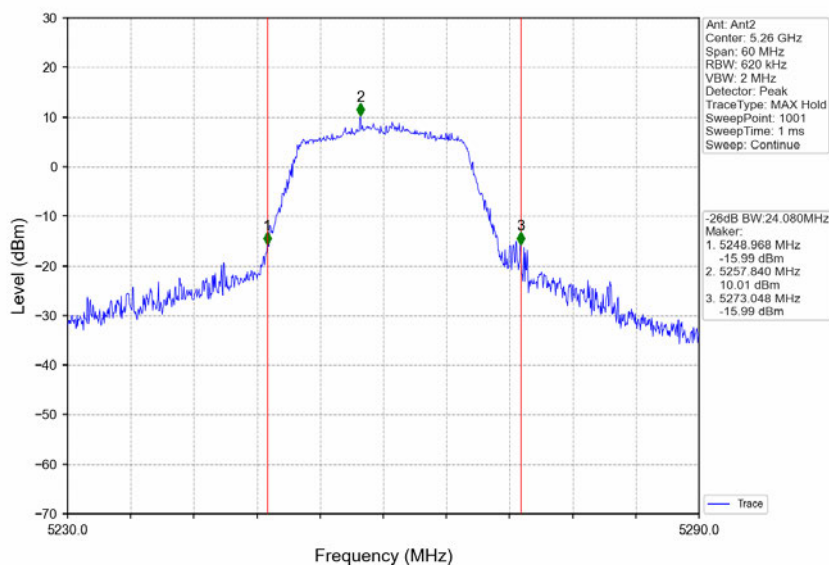
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802.11a\_LCH\_5260MHz\_Ant1\_NTNV



802.11a\_LCH\_5260MHz\_Ant2\_NTNV



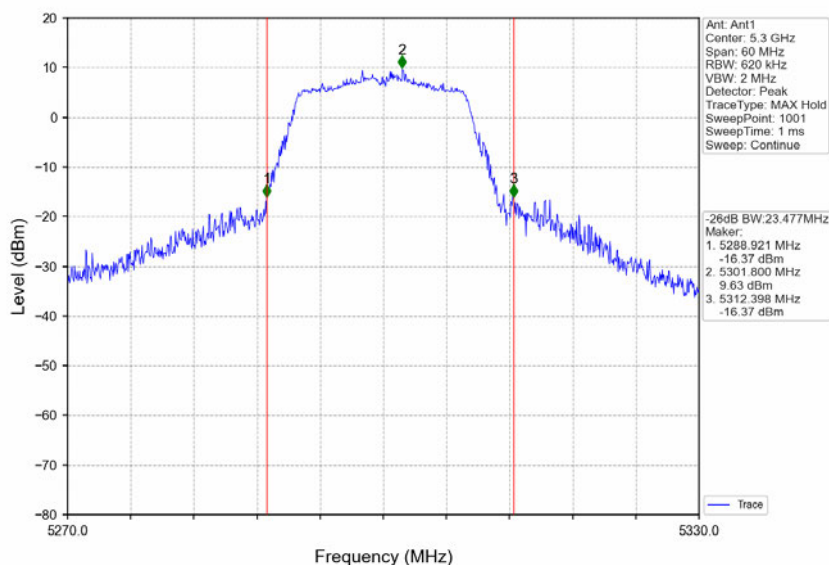
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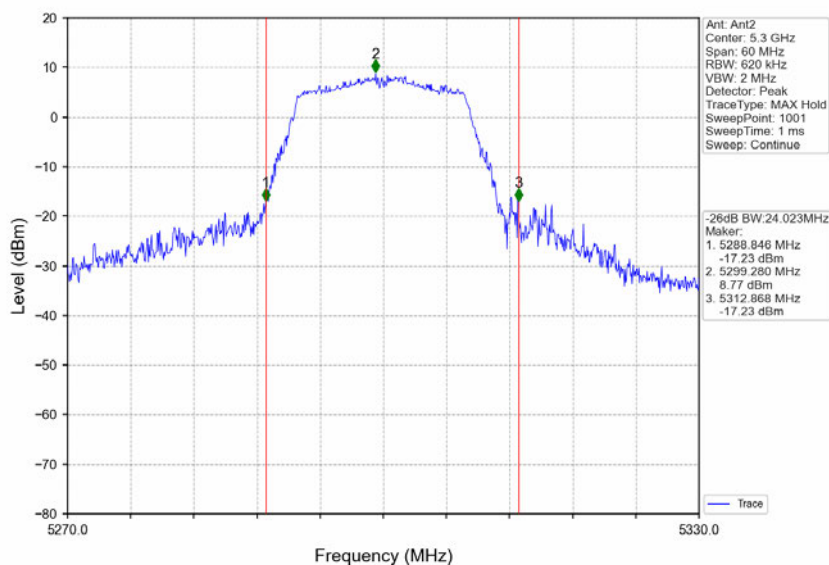
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802.11a\_MCH\_5300MHz\_Ant2\_NTNV



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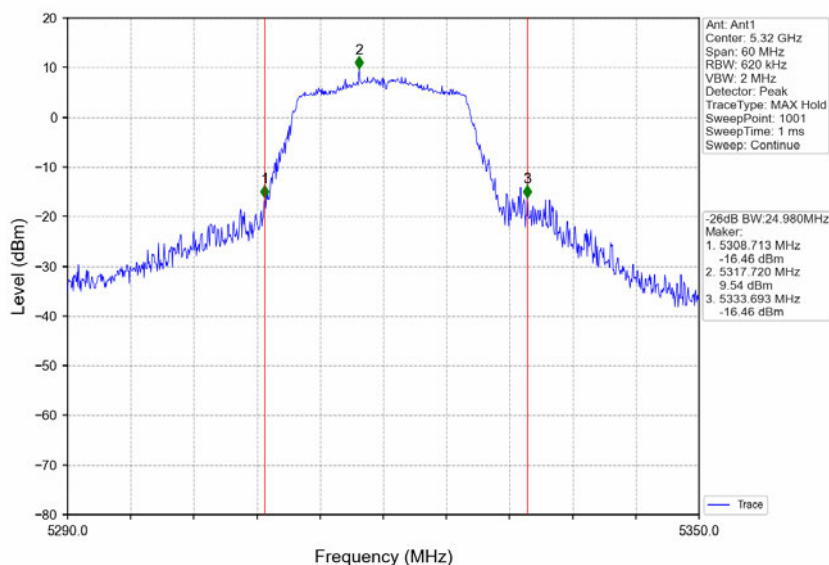
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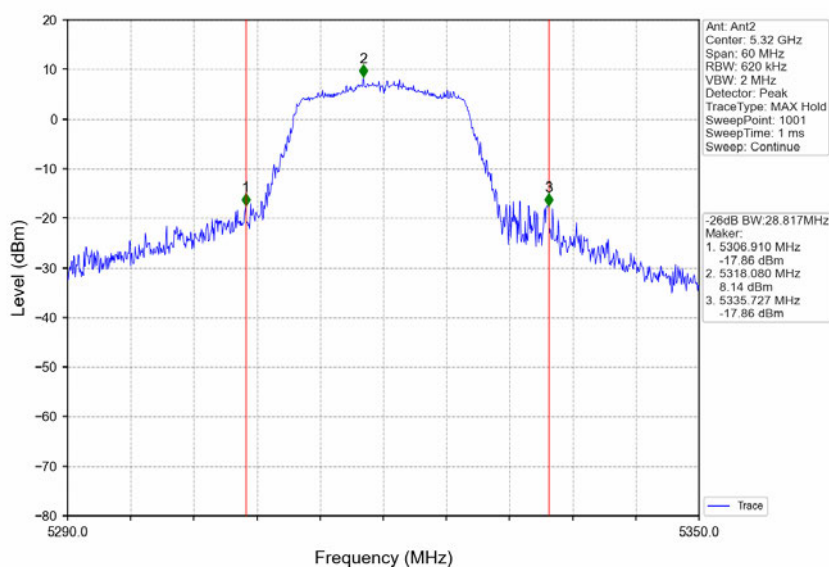
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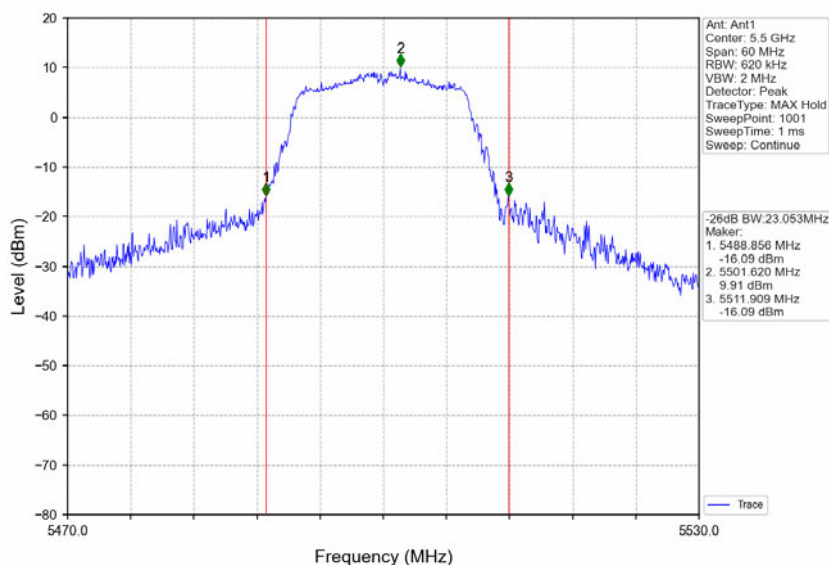
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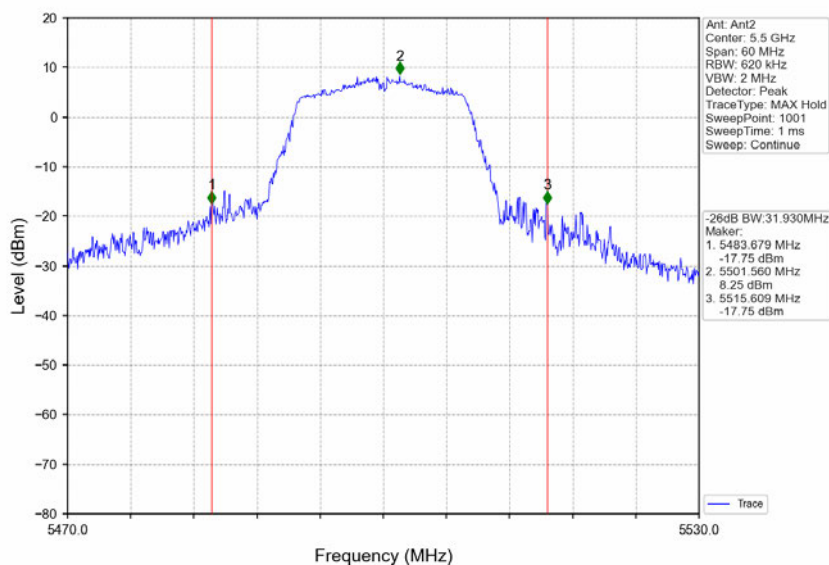
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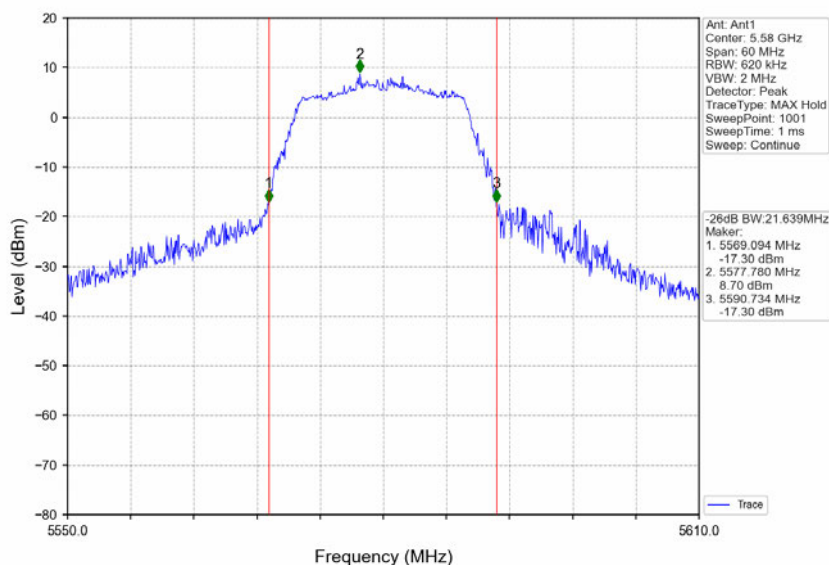
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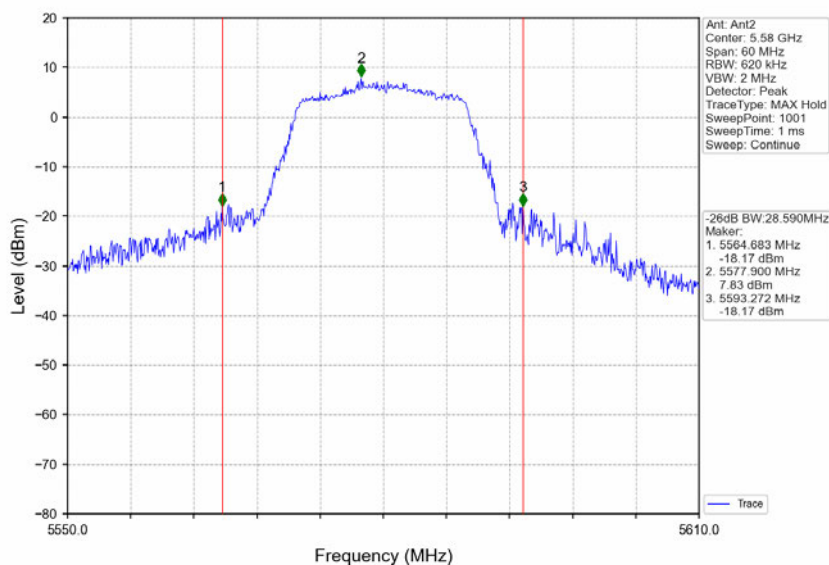
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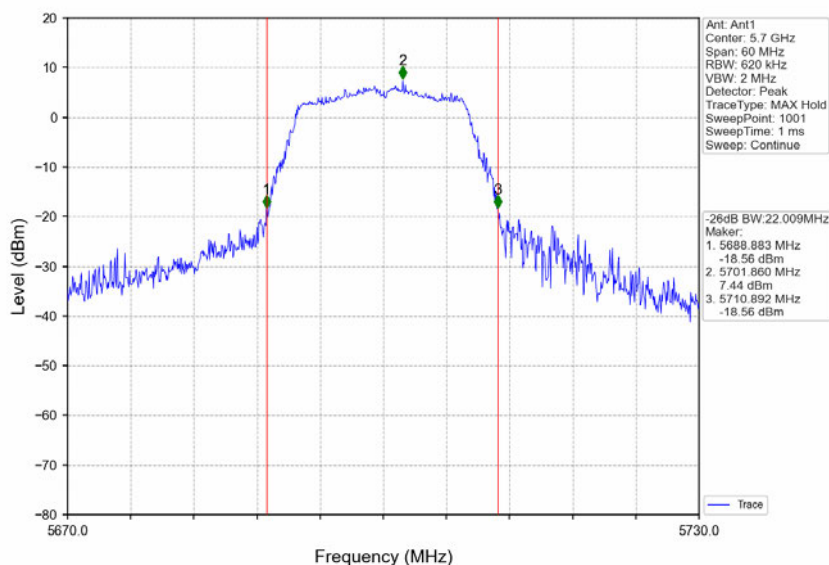
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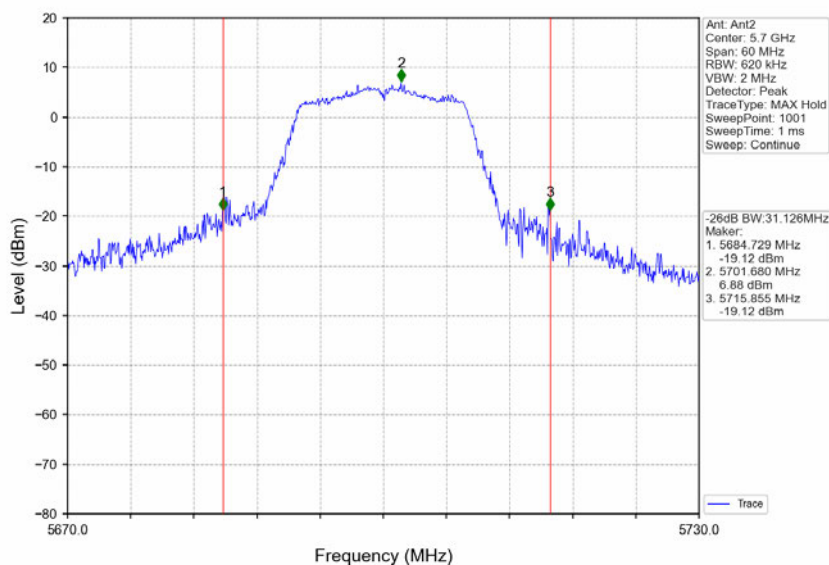
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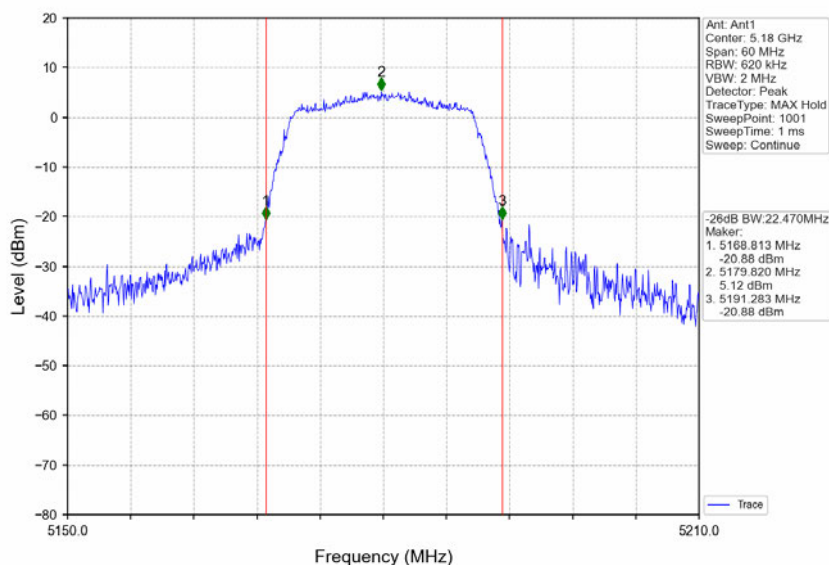
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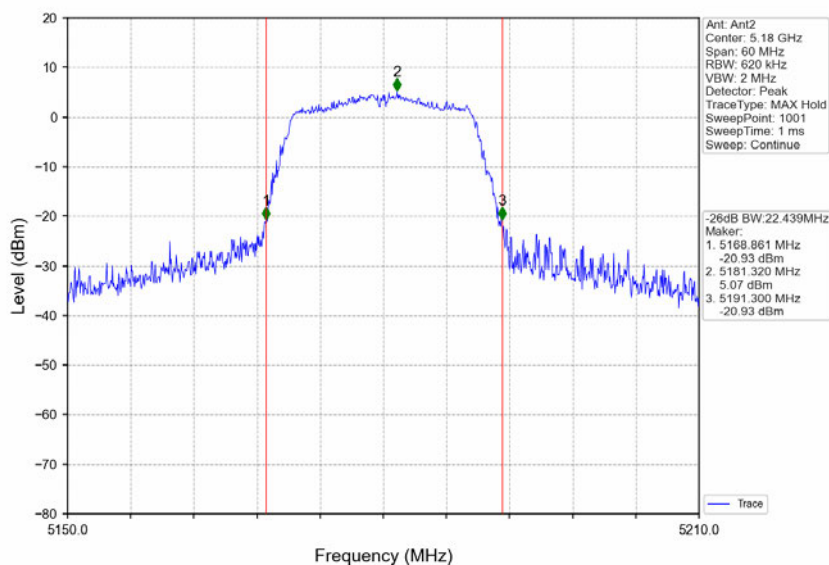
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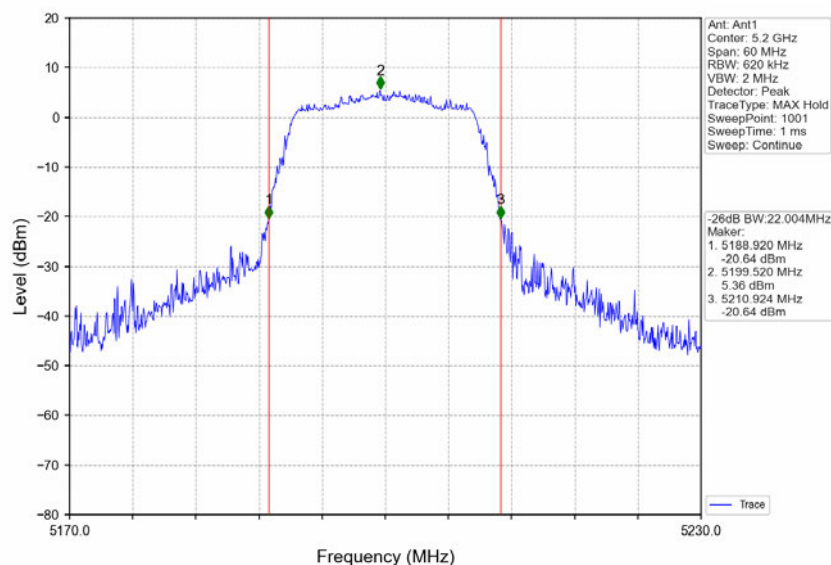
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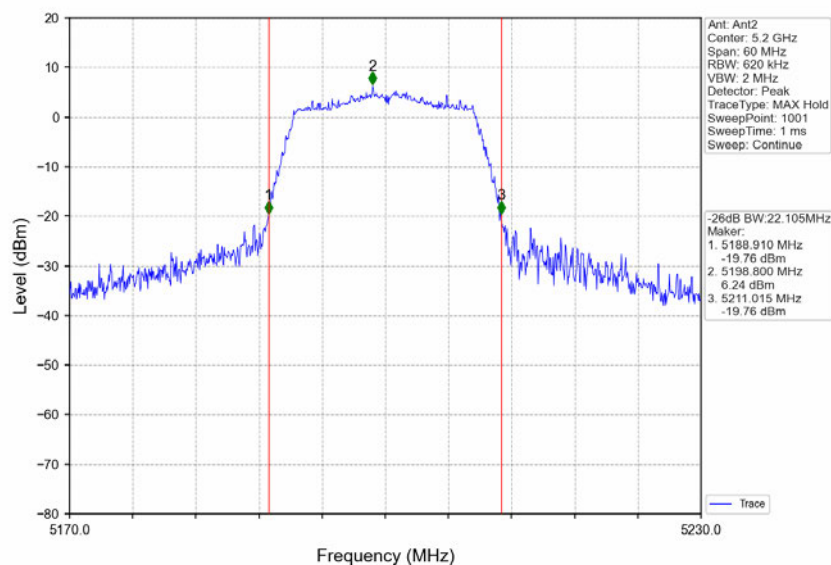
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802.11n(HT20)\_MCH\_5200MHz\_Ant1\_NTNV



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



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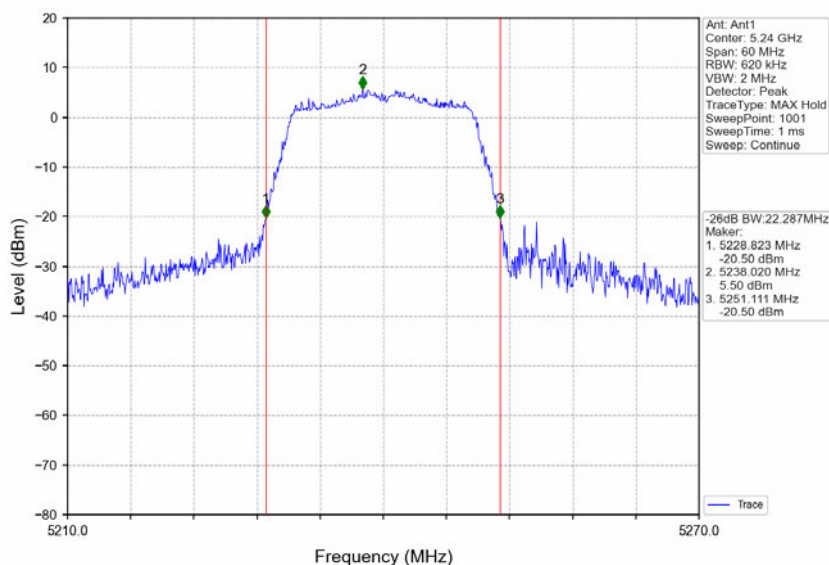
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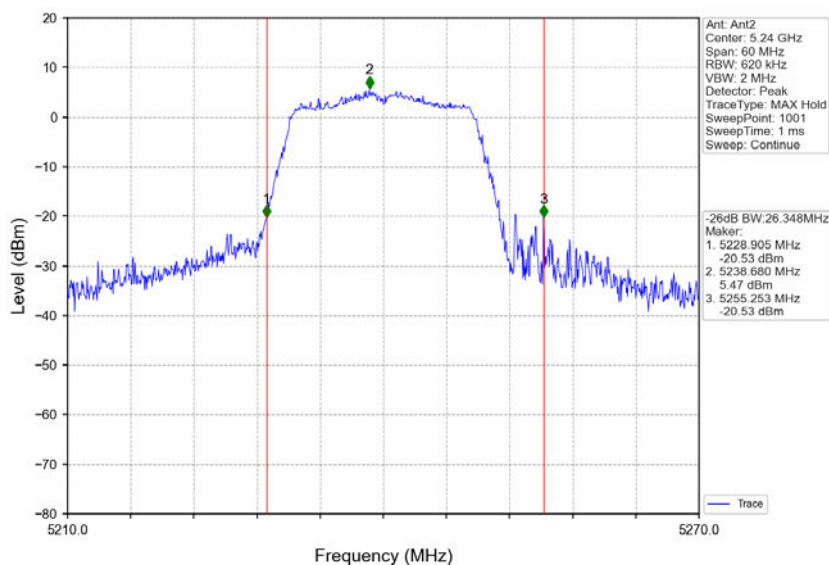
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802.11n(HT20)\_HCH\_5240MHz\_Ant1\_NTNV



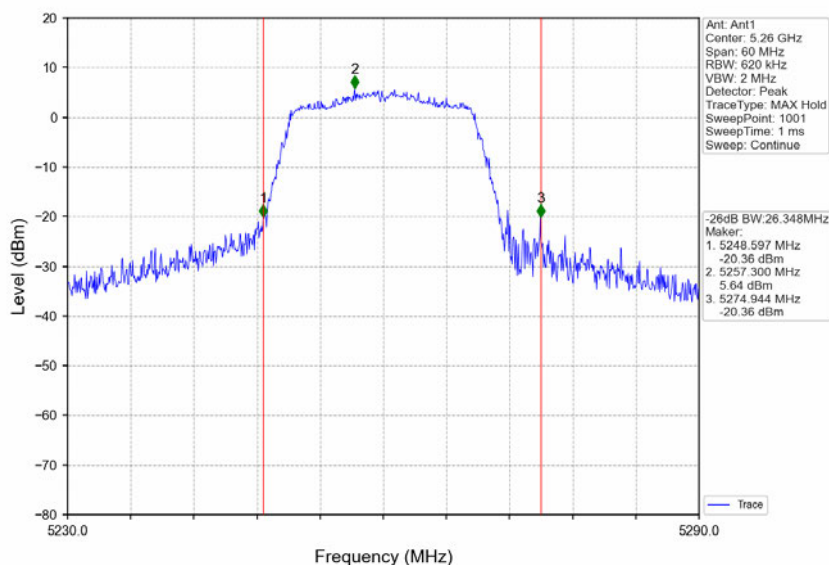
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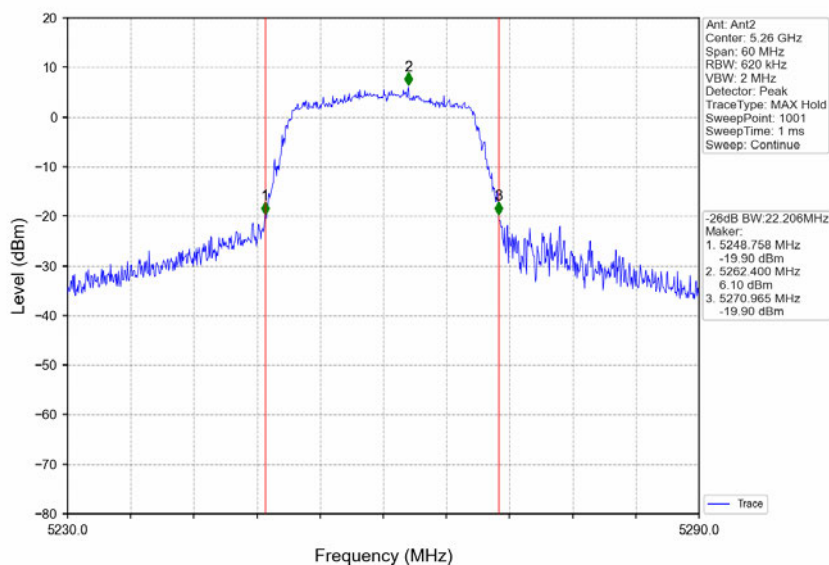
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802.11n(HT20)\_LCH\_5260MHz\_Ant1\_NTNV



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



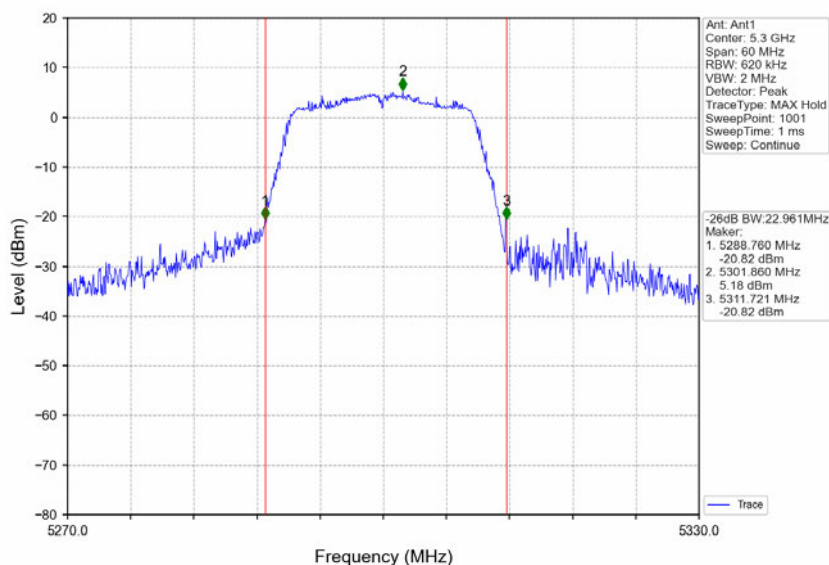
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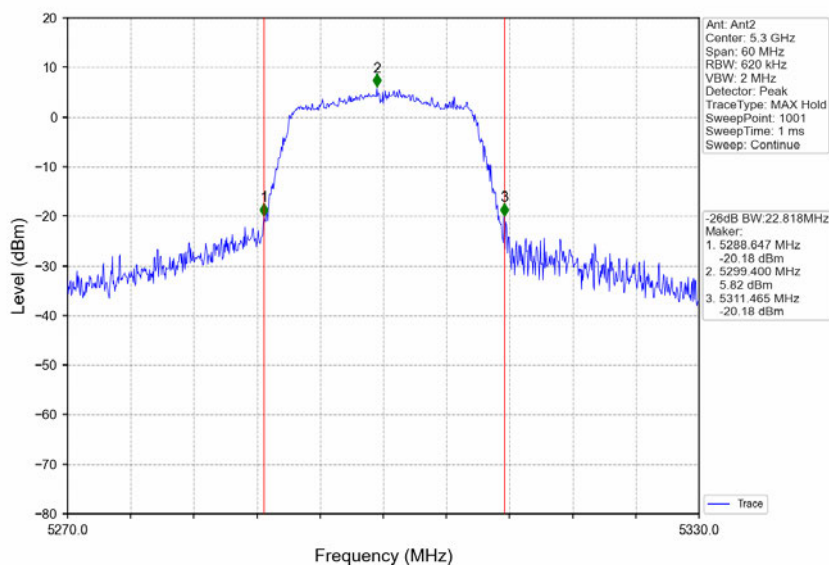
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802.11n(HT20)\_MCH\_5300MHz\_Ant1\_NTNV



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



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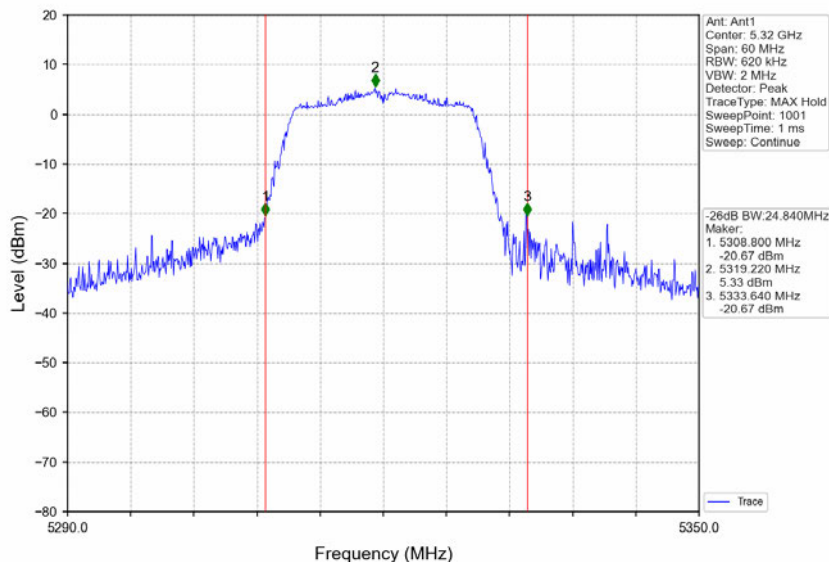
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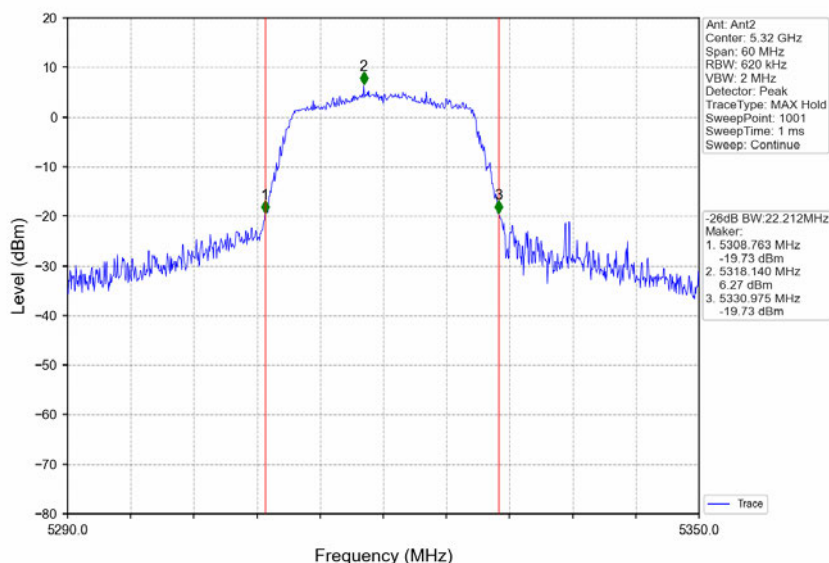
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802.11n(HT20)\_HCH\_5320MHz\_Ant1\_NTNV



802.11n(HT20)\_HCH\_5320MHz\_Ant2\_NTNV



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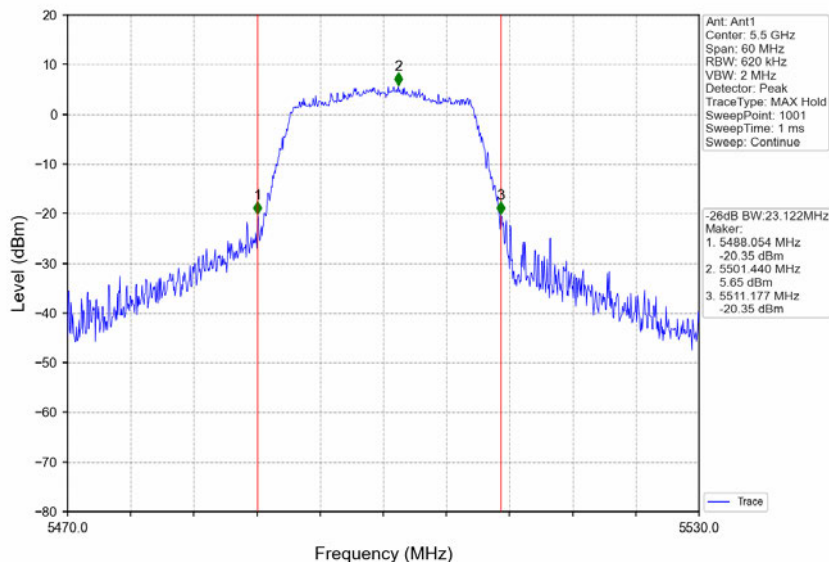
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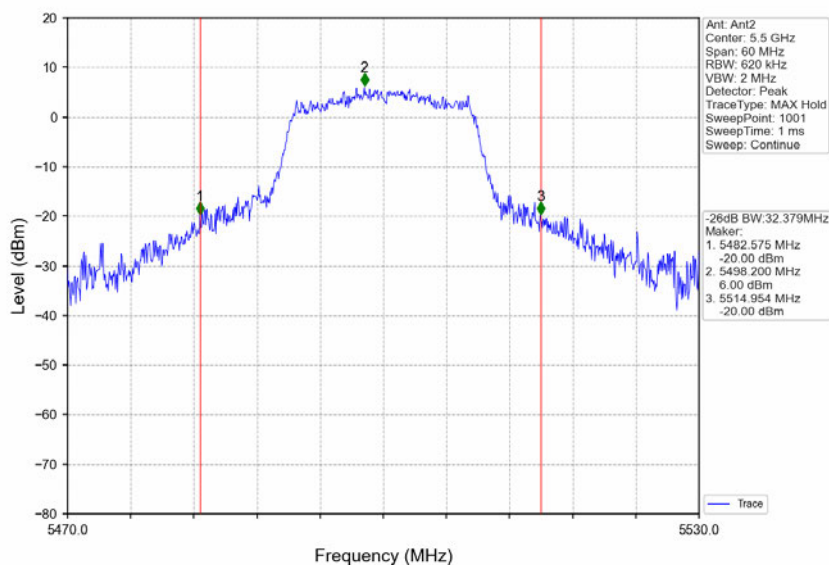
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802.11n(HT20)\_LCH\_5500MHz\_Ant1\_NTNV



802.11n(HT20)\_LCH\_5500MHz\_Ant2\_NTNV



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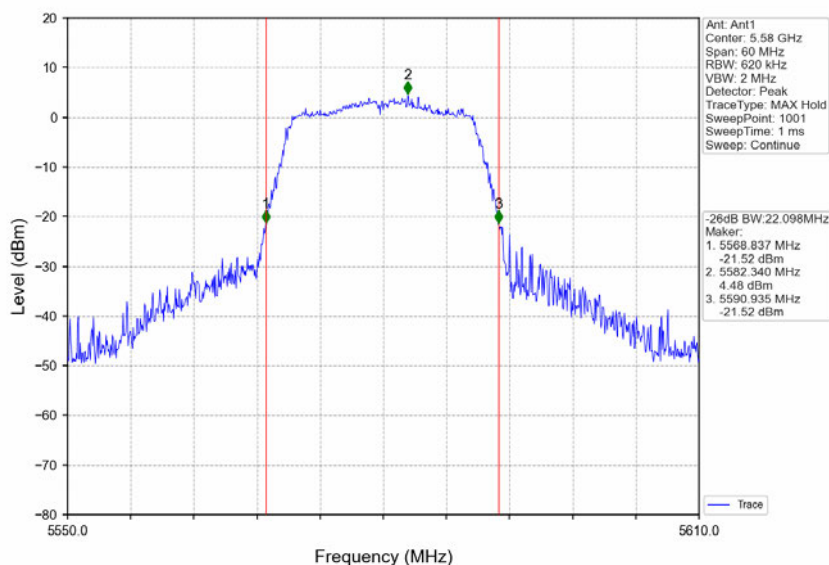
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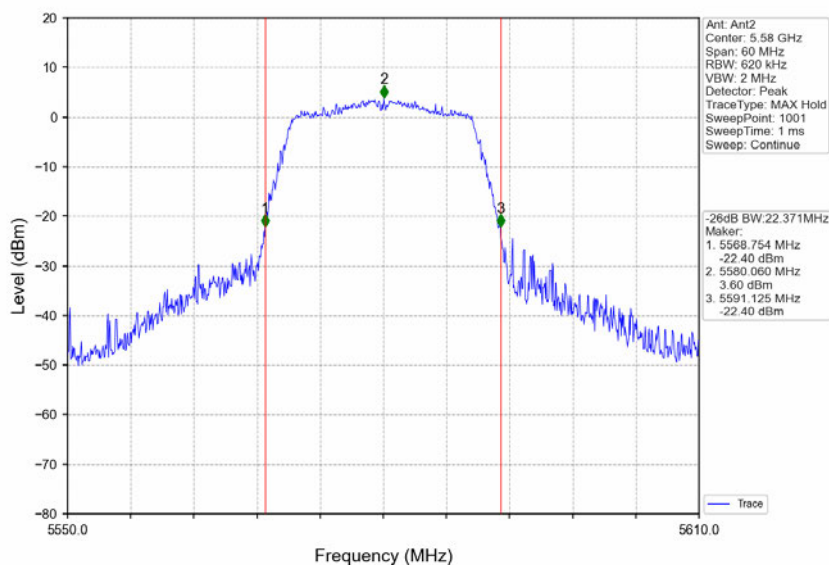
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802.11n(HT20)\_MCH\_5580MHz\_Ant1\_NTNV



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



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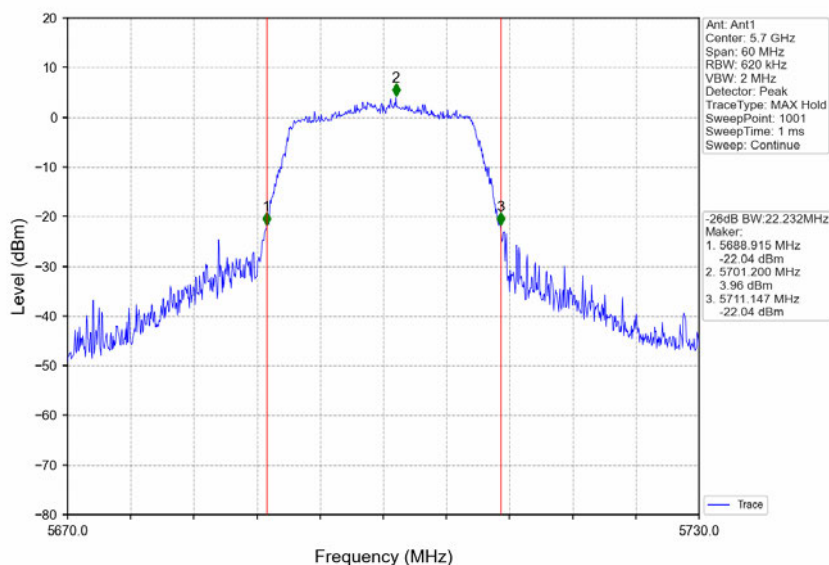
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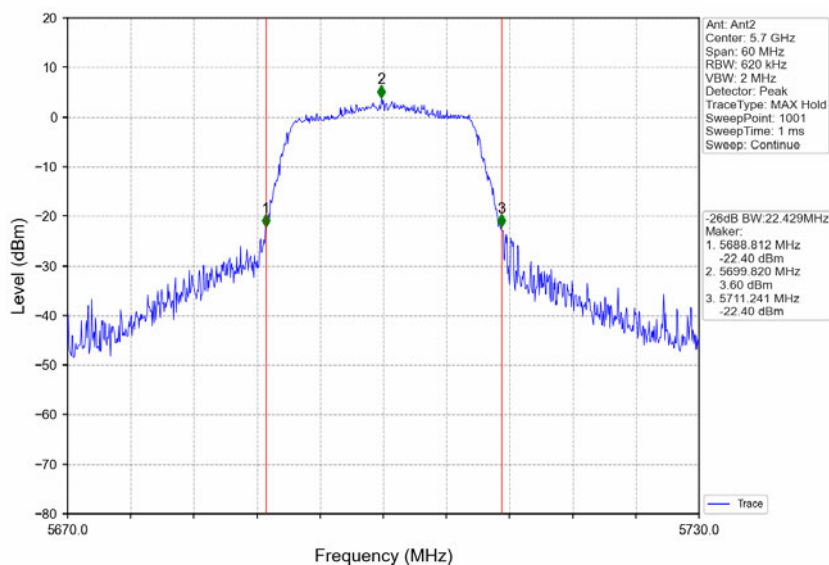
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802.11n(HT20)\_HCH\_5700MHz\_Ant1\_NTNV



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



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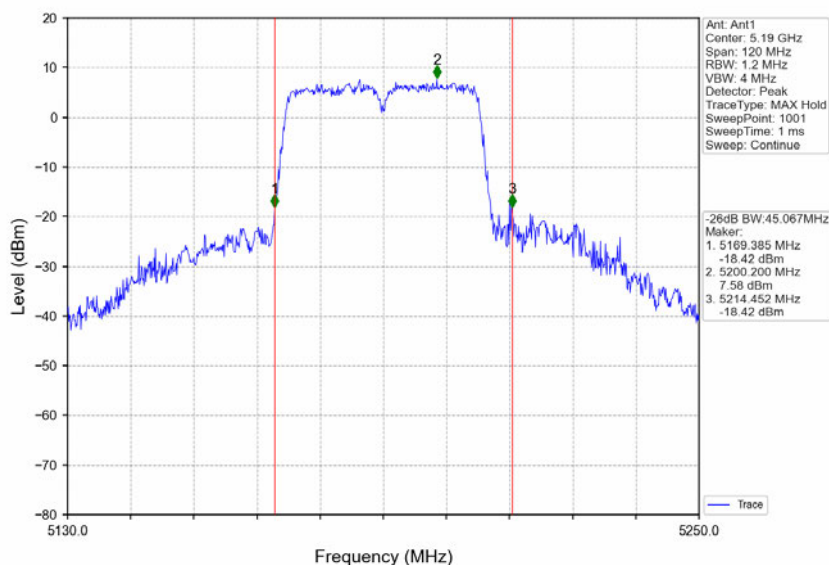
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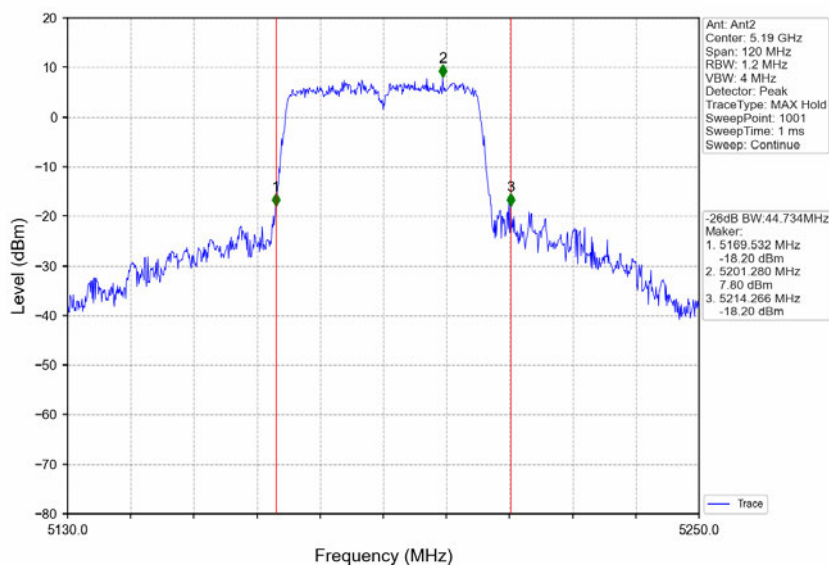
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802.11n(HT40)\_LCH\_5190MHz\_Ant1\_NTNV



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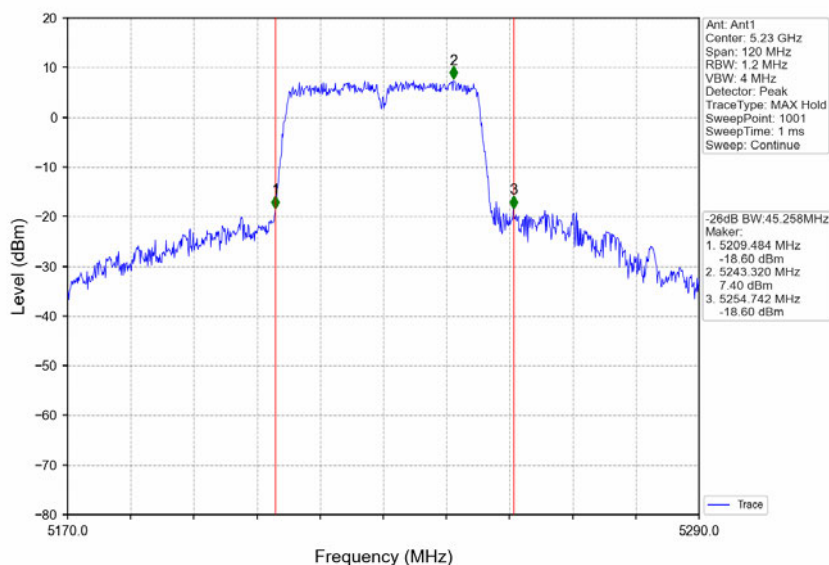


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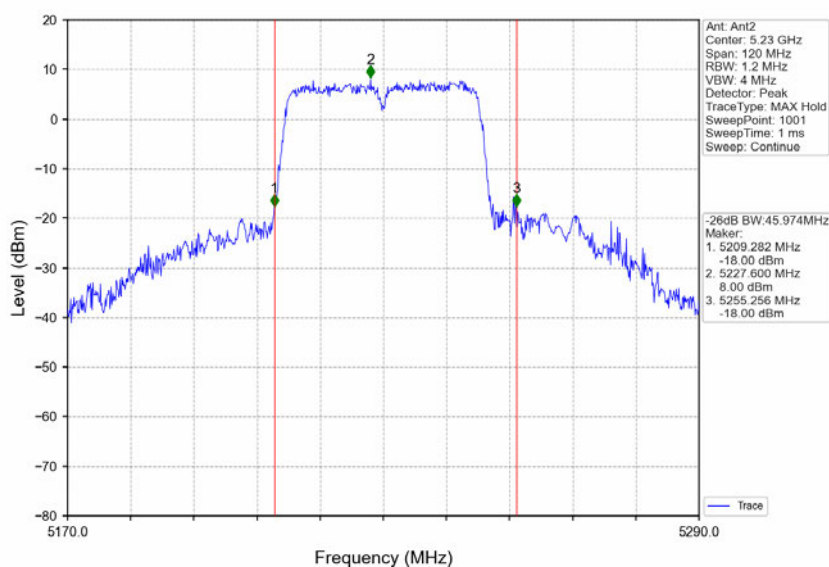
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802.11n(HT40)\_HCH\_5230MHz\_Ant1\_NTNV



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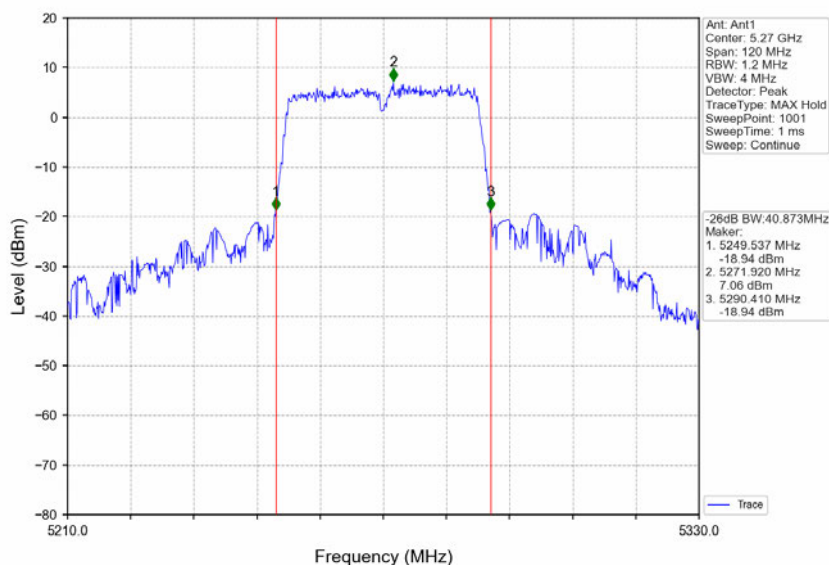
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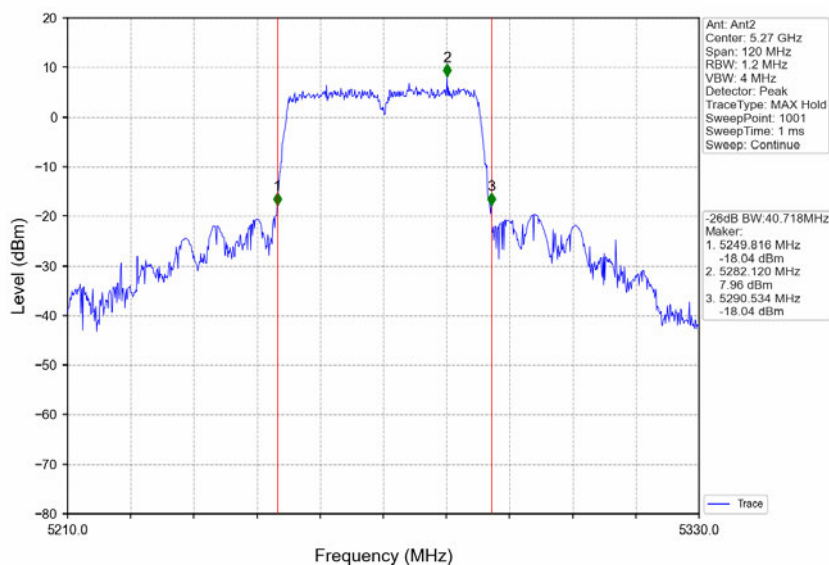
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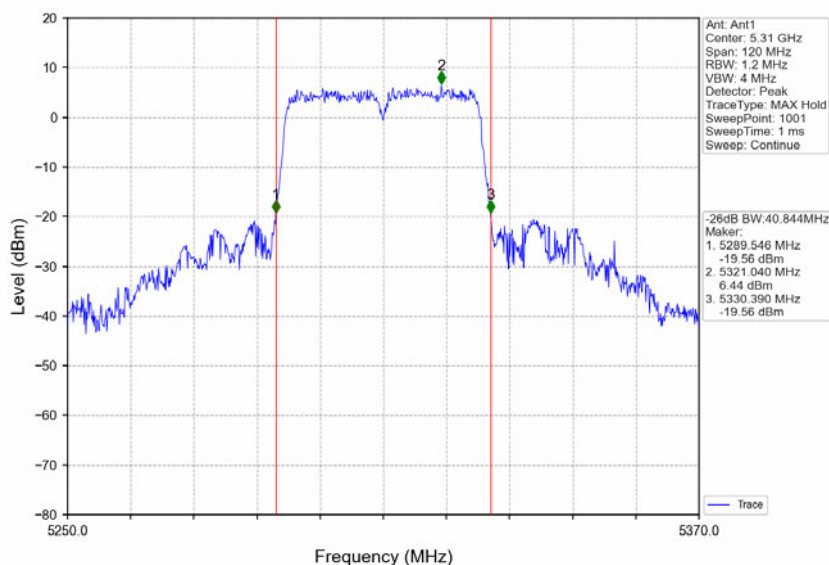
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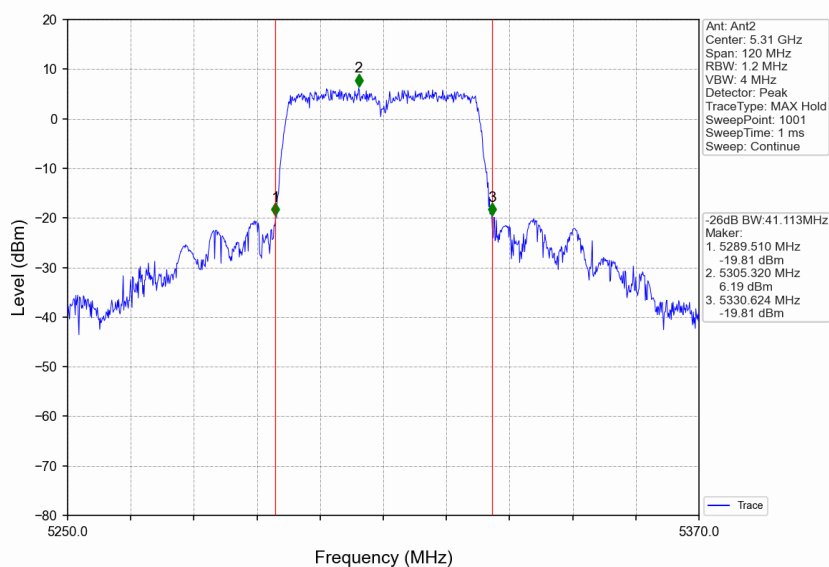
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802.11n(HT40)\_HCH\_5310MHz\_Ant1\_NTNV



802.11n(HT40)\_HCH\_5310MHz\_Ant2\_NTNV



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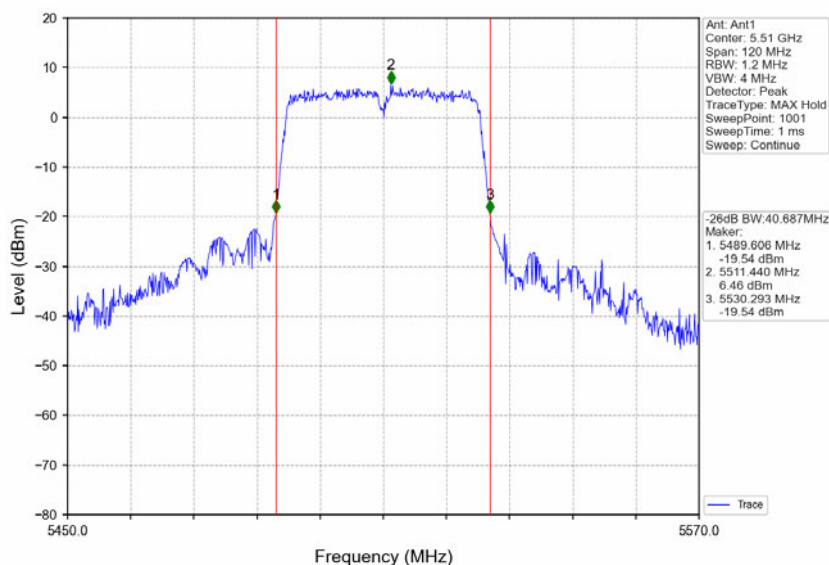
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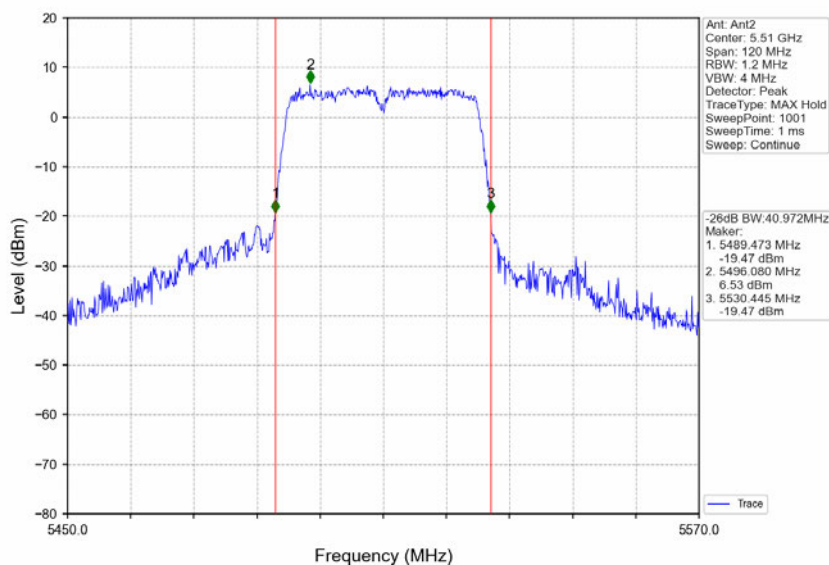
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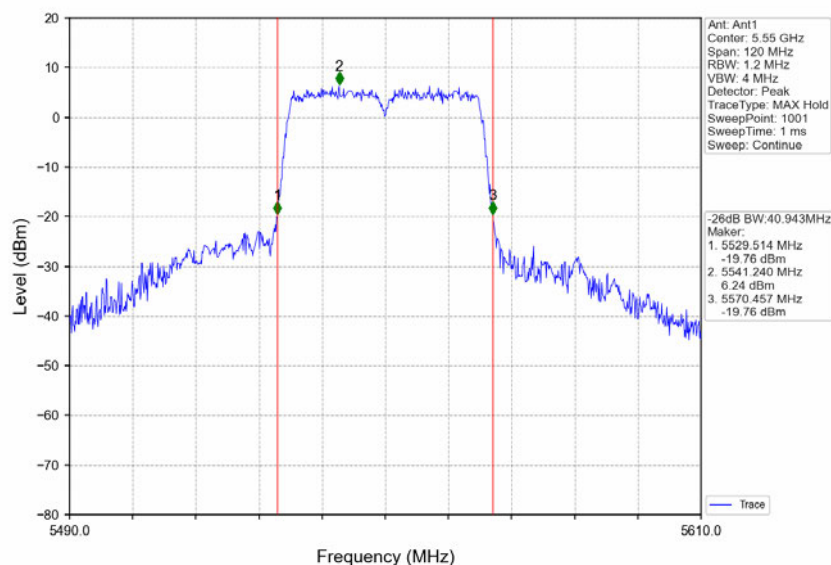
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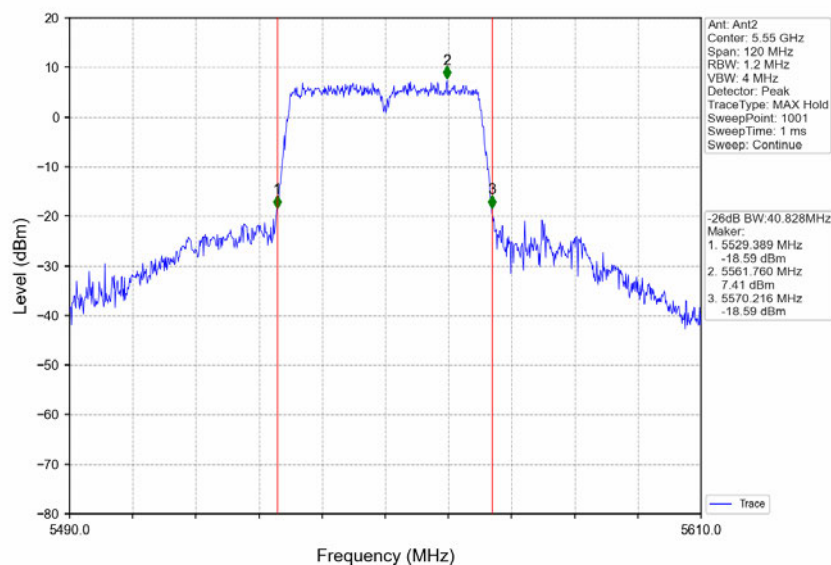
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802.11n(HT40)\_MCH\_5550MHz\_Ant1\_NTNV



802.11n(HT40)\_MCH\_5550MHz\_Ant2\_NTNV



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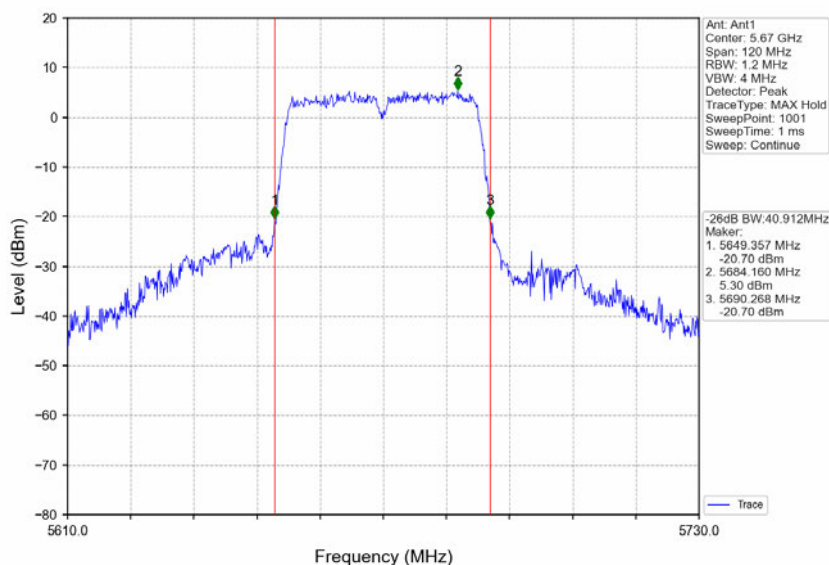
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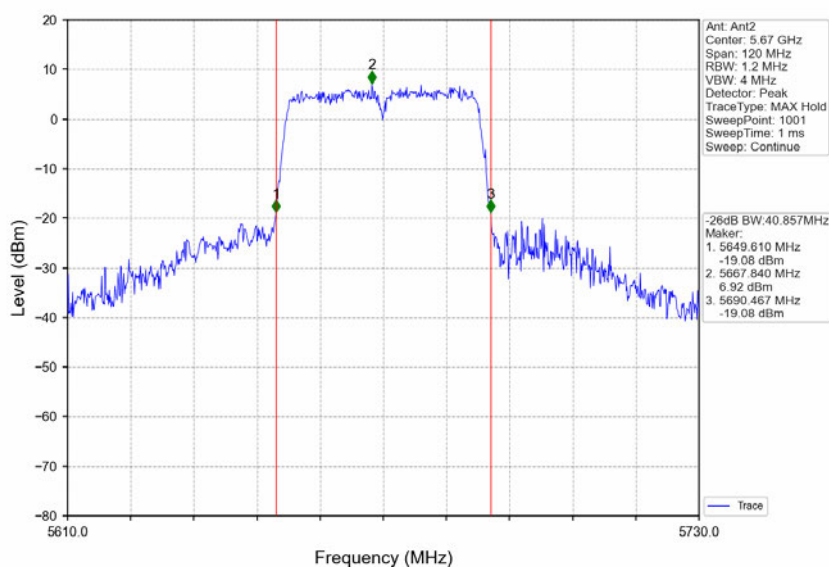
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802.11n(HT40)\_HCH\_5670MHz\_Ant1\_NTNV



802.11n(HT40)\_HCH\_5670MHz\_Ant2\_NTNV



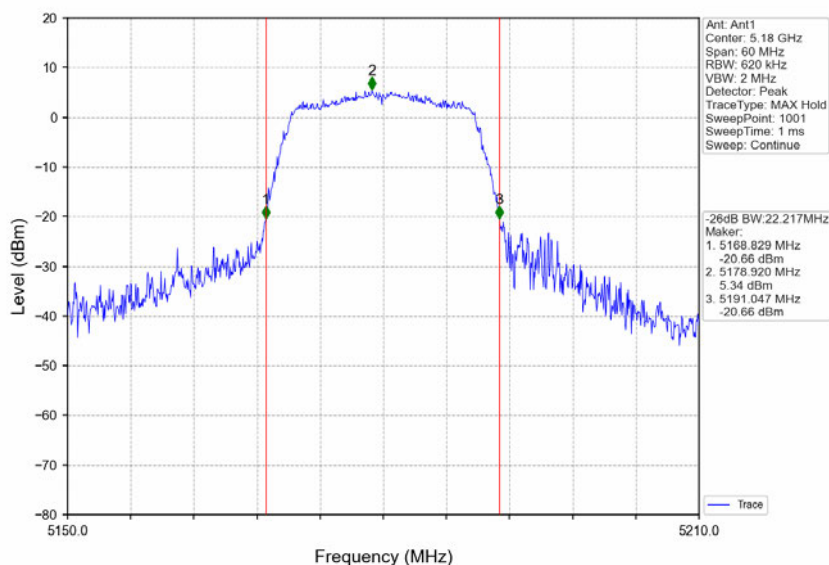
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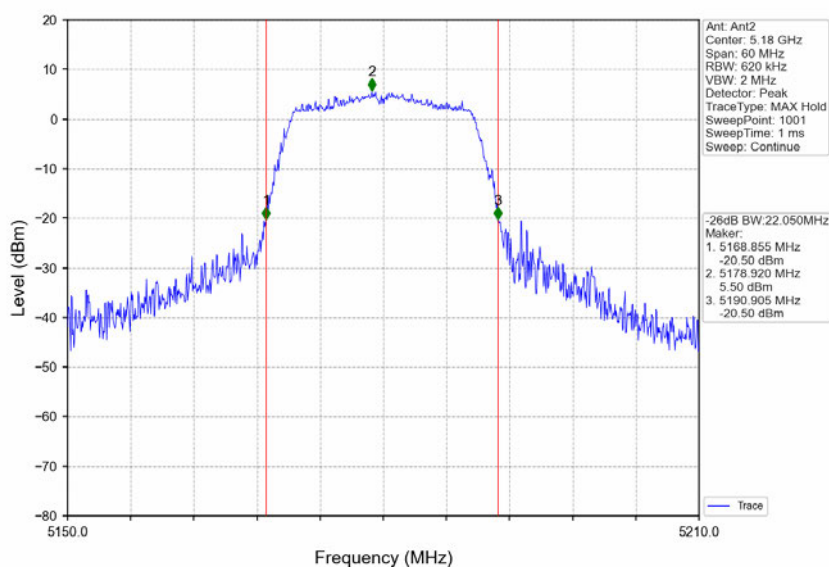
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802.11ac(VHT20)\_LCH\_5180MHz\_Ant1\_NTNV



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



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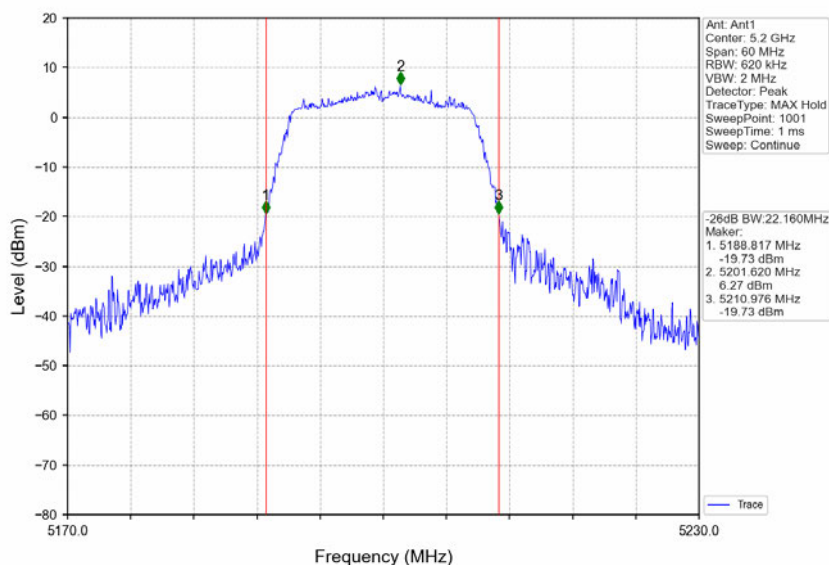
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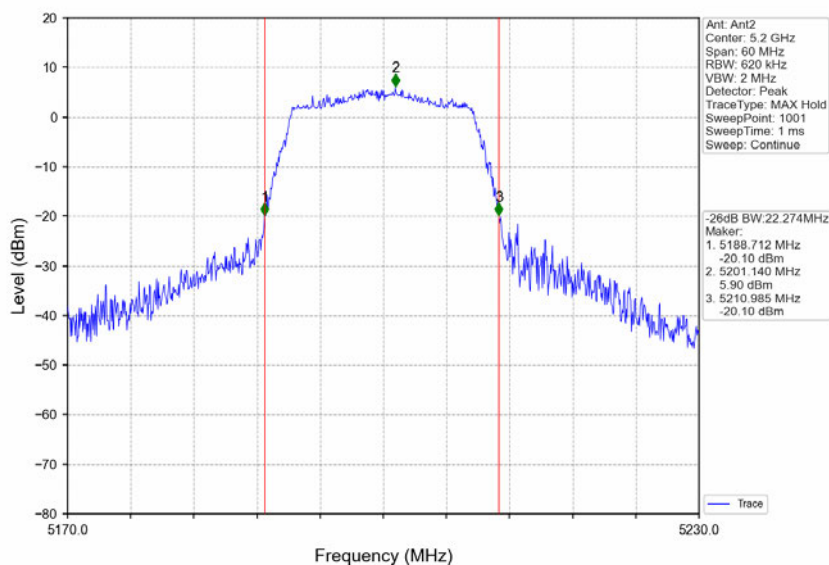
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802.11ac(VHT20)\_MCH\_5200MHz\_Ant1\_NTNV



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

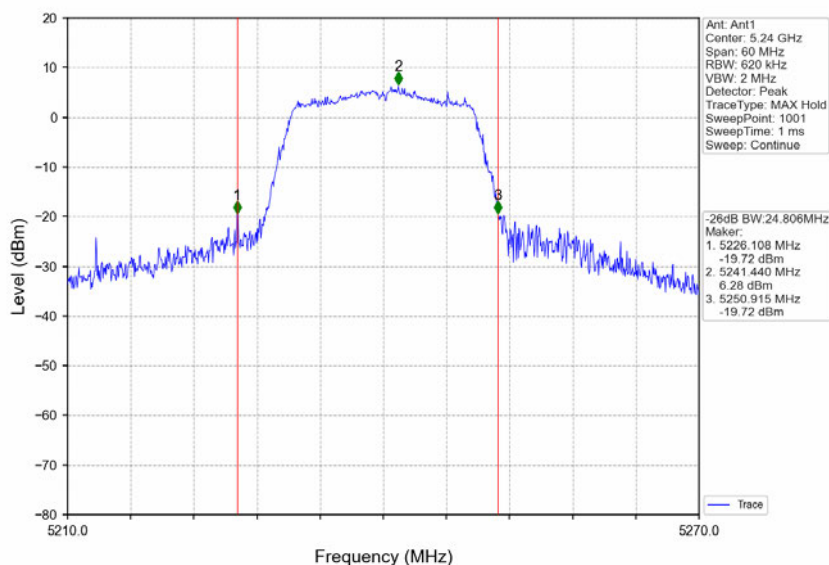


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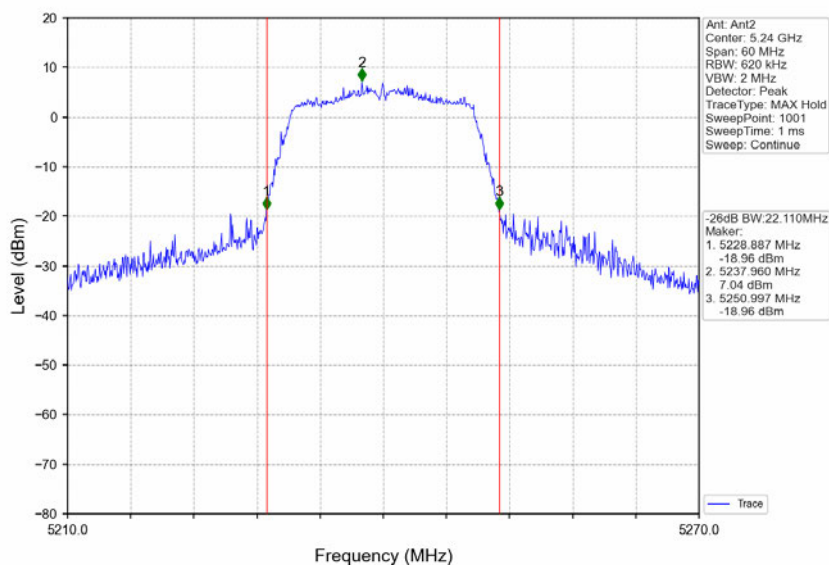
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802.11ac(VHT20)\_HCH\_5240MHz\_Ant1\_NTNV



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



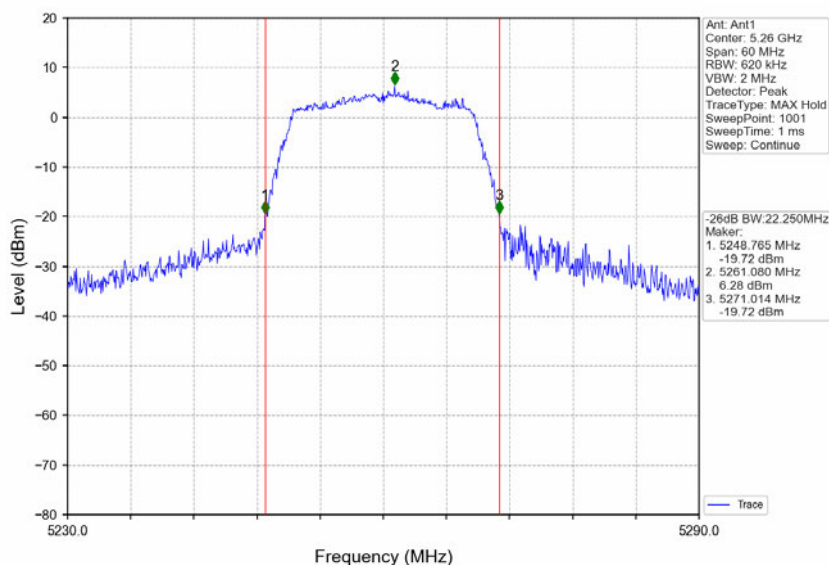
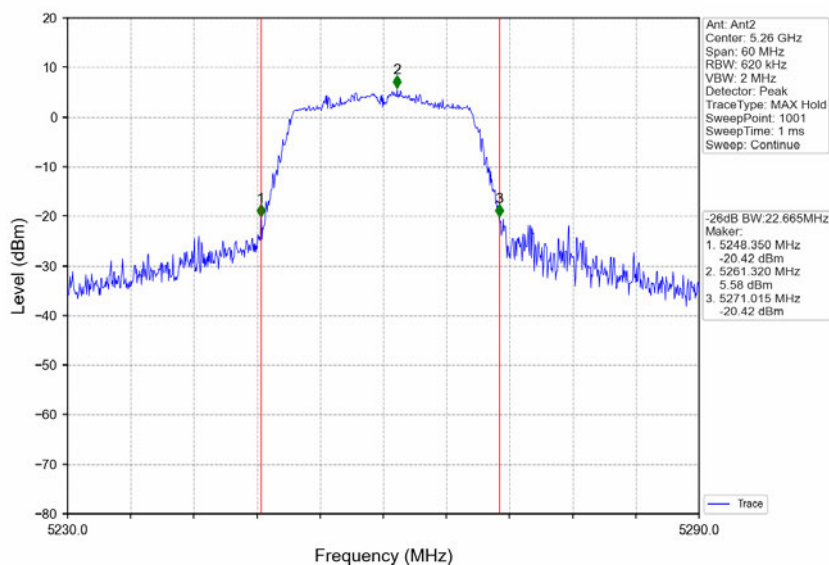
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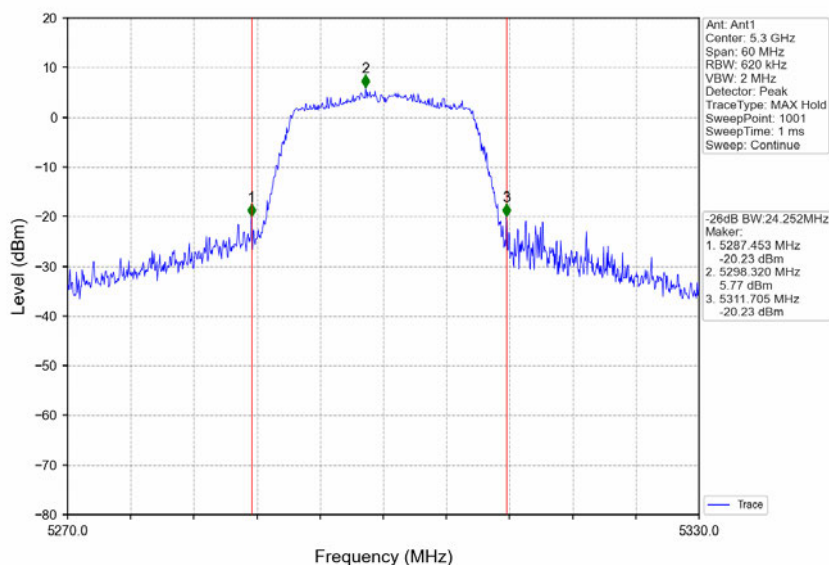
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**802.11ac(VHT20)\_LCH\_5260MHz\_Ant1\_NTNV**

**802.11ac(VHT20)\_LCH\_5260MHz\_Ant2\_NTNV**


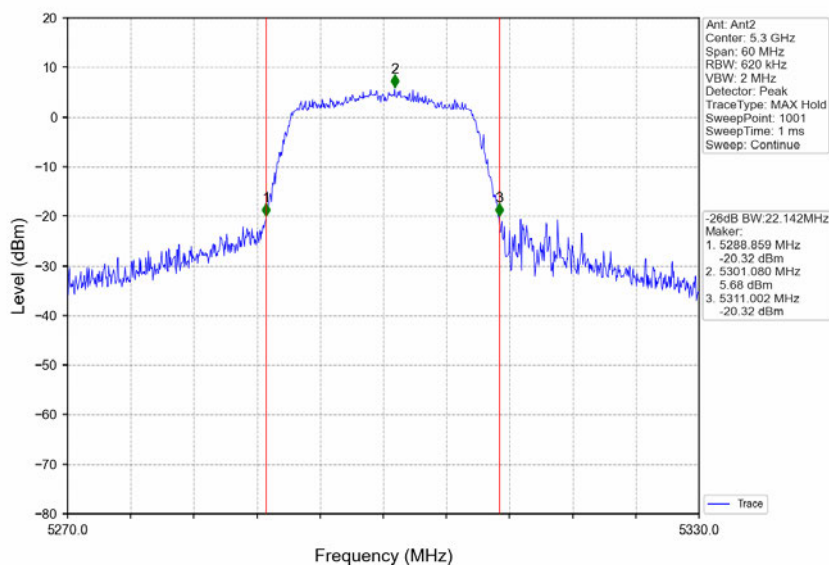
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802.11ac(VHT20)\_MCH\_5300MHz\_Ant1\_NTNV



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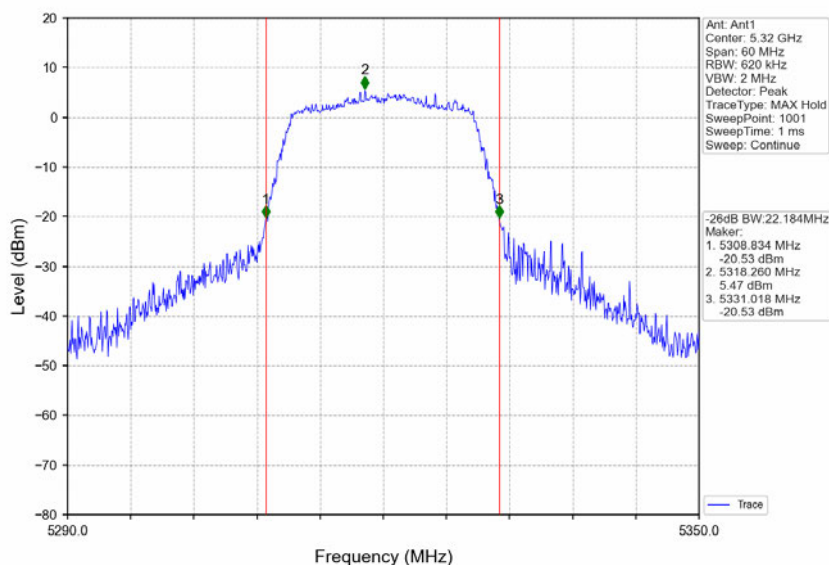
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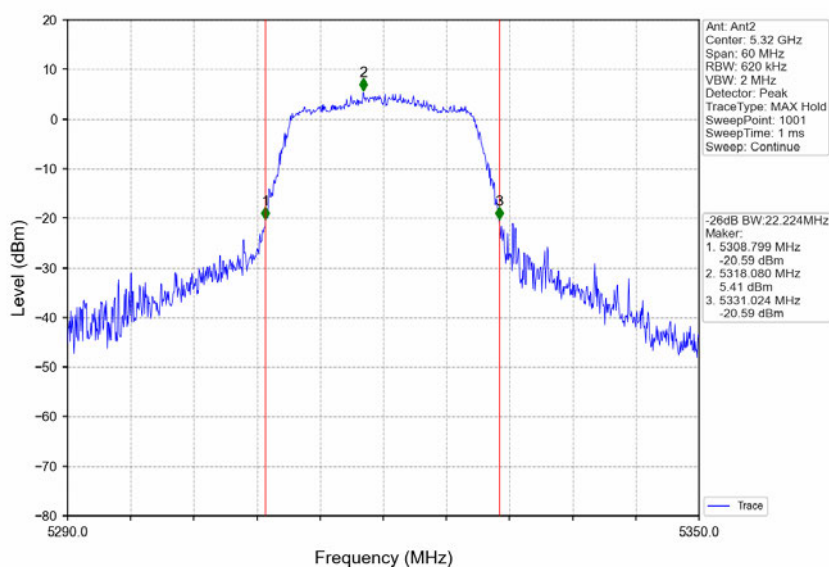
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802.11ac(VHT20)\_HCH\_5320MHz\_Ant1\_NTNV



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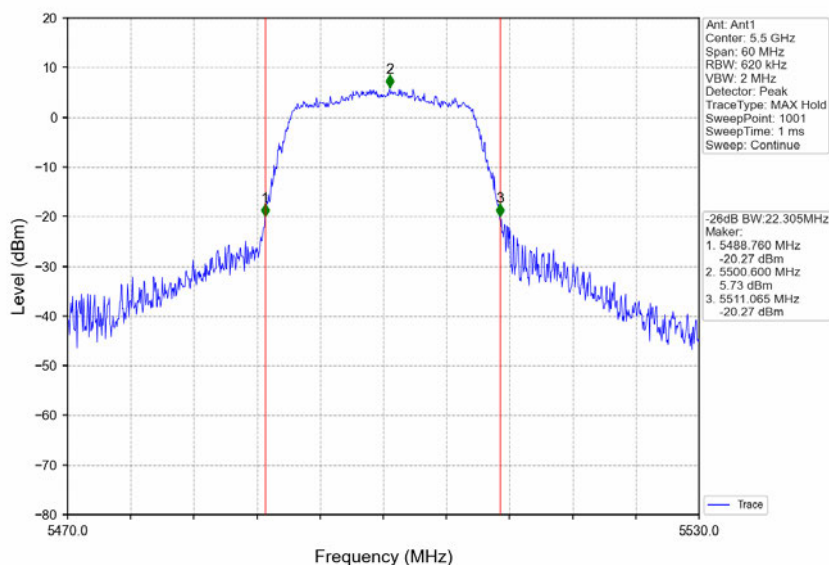


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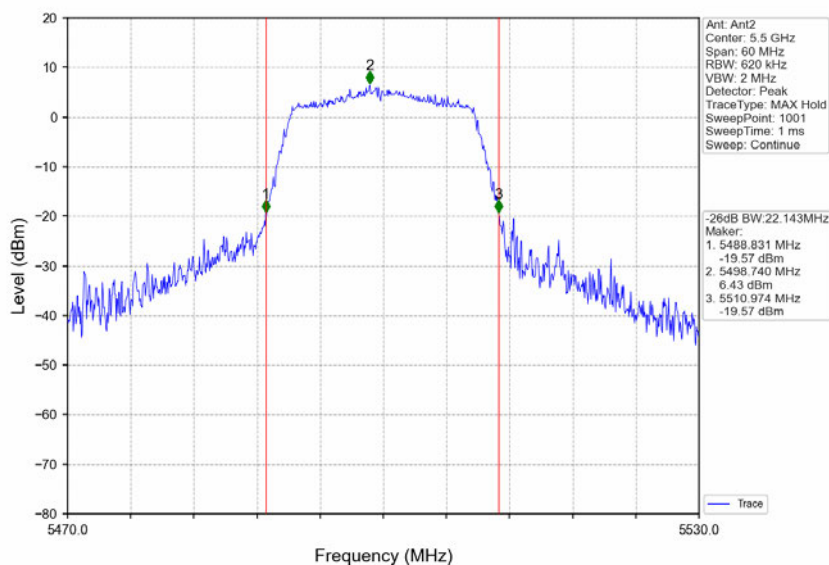
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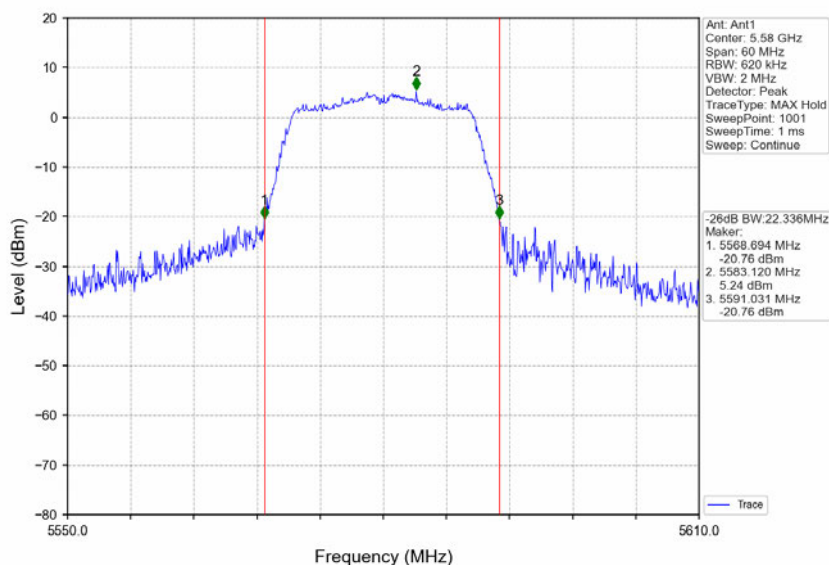
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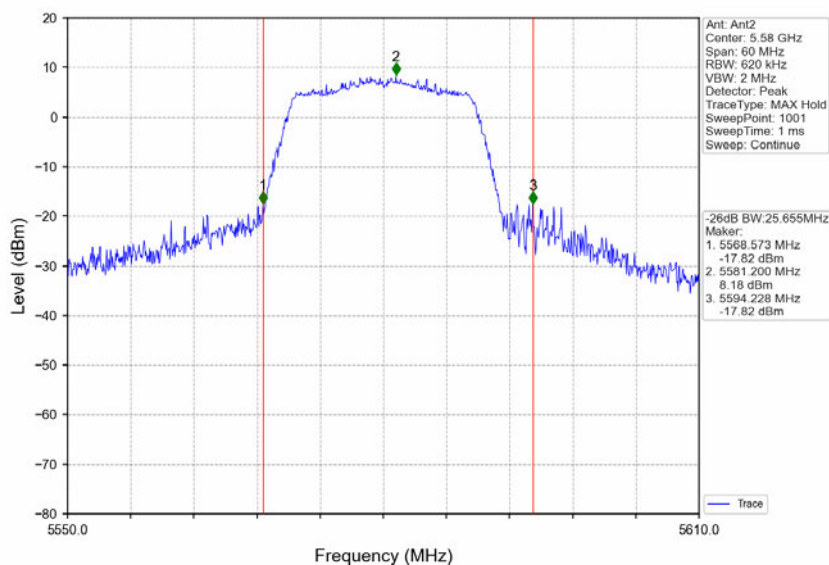
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802.11ac(VHT20)\_MCH\_5580MHz\_Ant1\_NTNV



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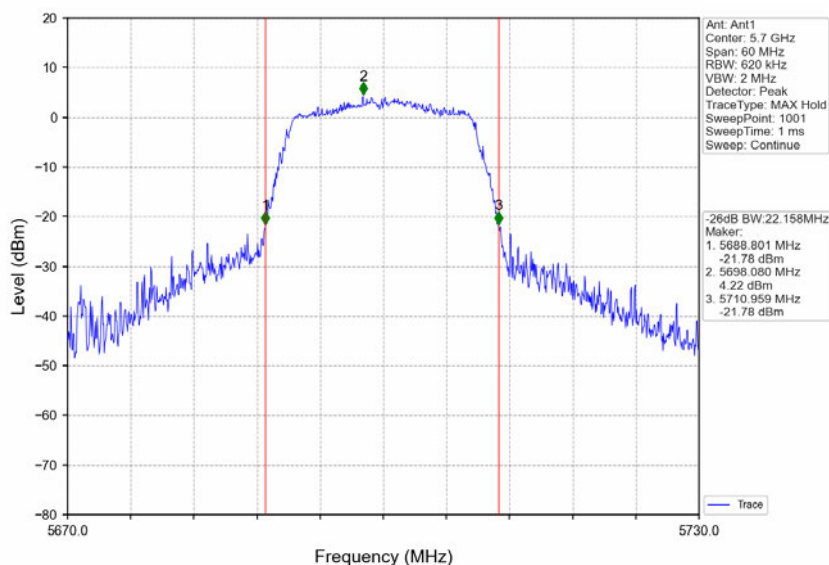
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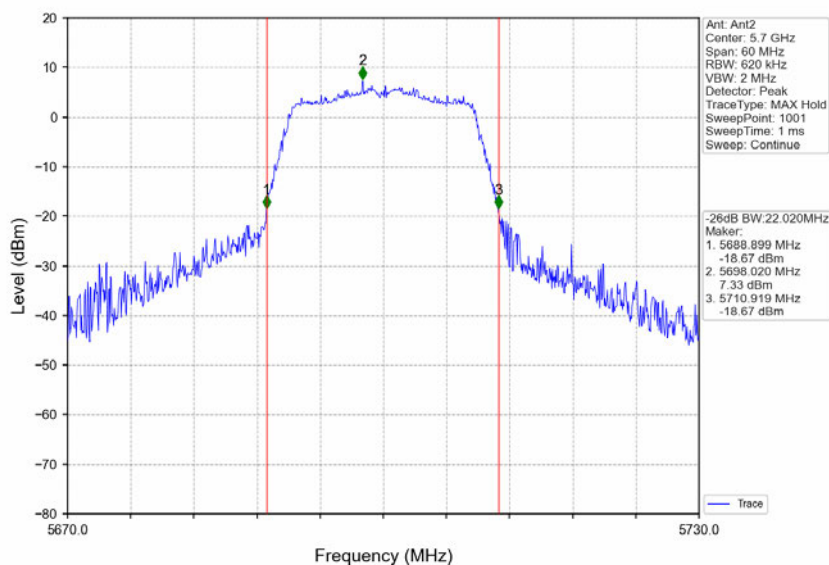
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802.11ac(VHT20)\_HCH\_5700MHz\_Ant1\_NTNV



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



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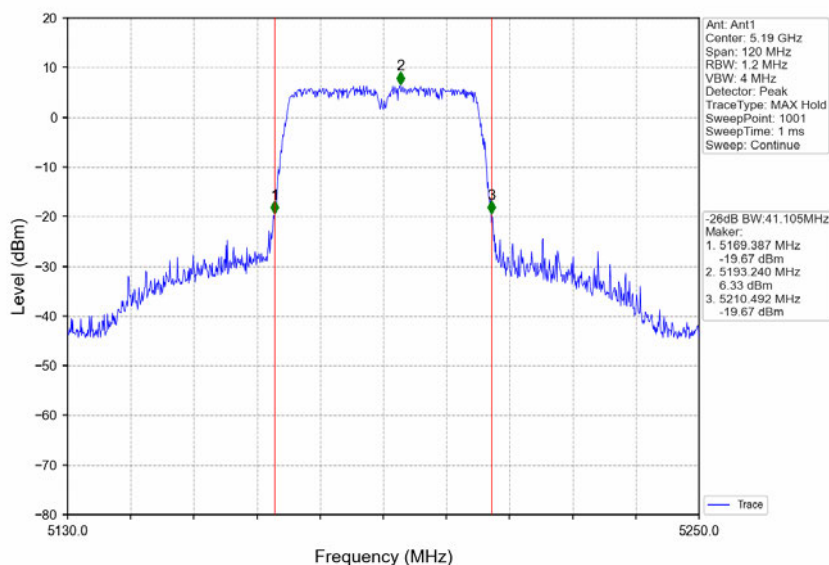
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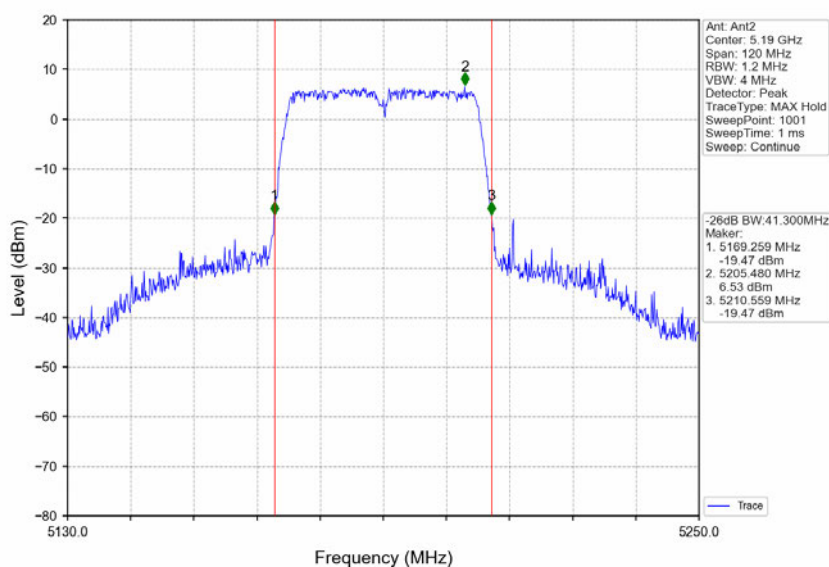
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802.11ac(VHT40)\_LCH\_5190MHz\_Ant1\_NTNV



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



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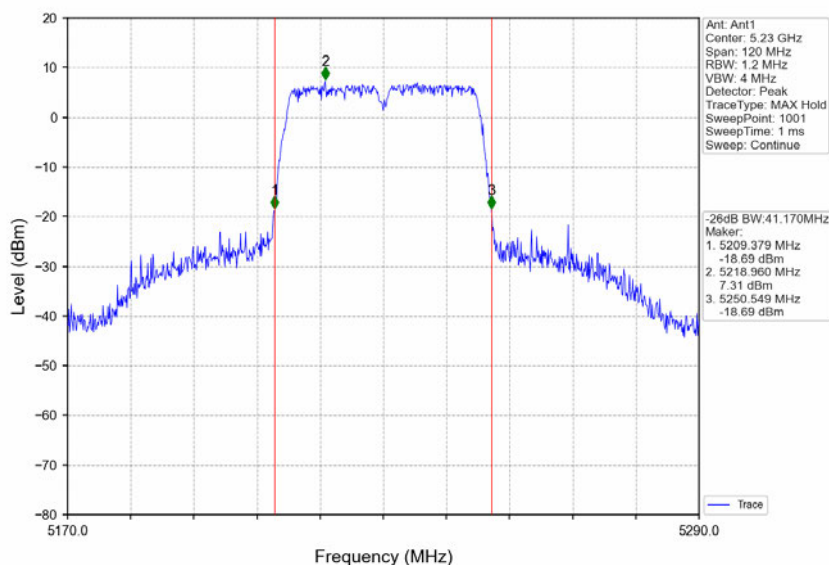
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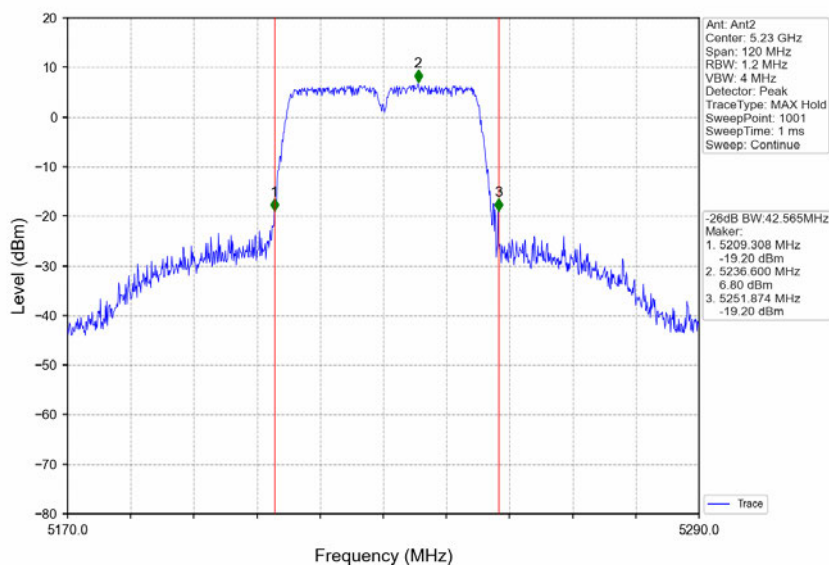
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802.11ac(VHT40)\_HCH\_5230MHz\_Ant1\_NTNV

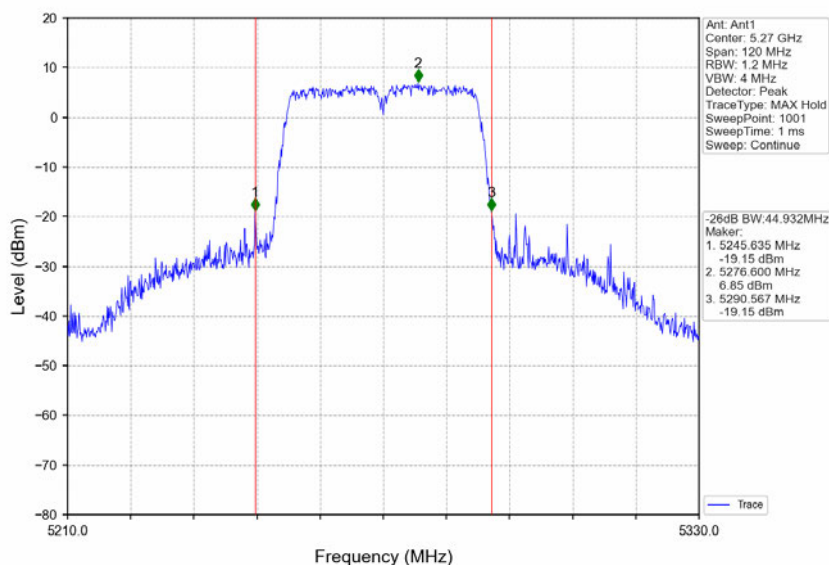
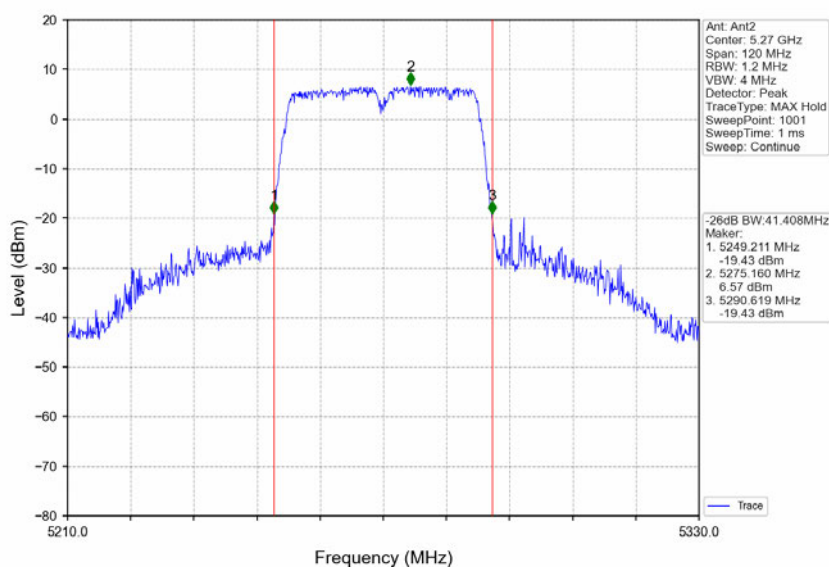


802.11ac(VHT40)\_HCH\_5230MHz\_Ant2\_NTNV



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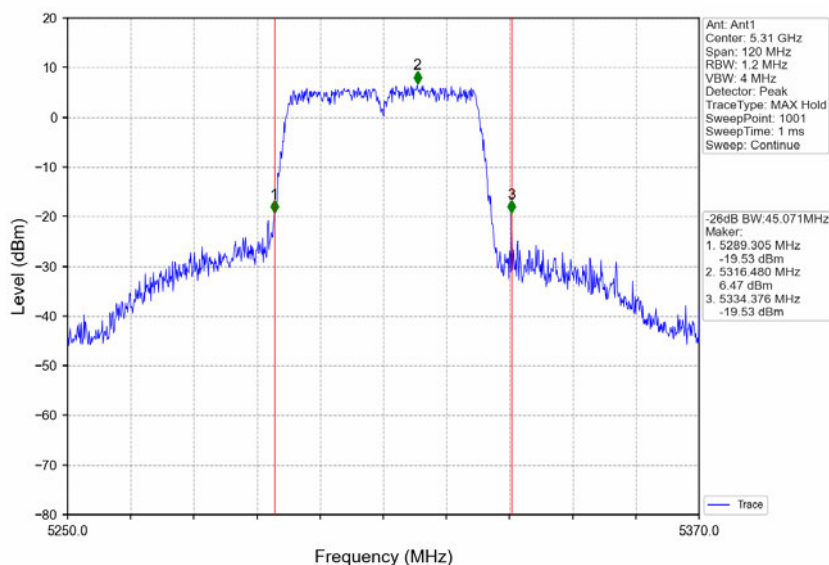
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**802.11ac(VHT40)\_LCH\_5270MHz\_Ant1\_NTNV**

**802.11ac(VHT40)\_LCH\_5270MHz\_Ant2\_NTNV**


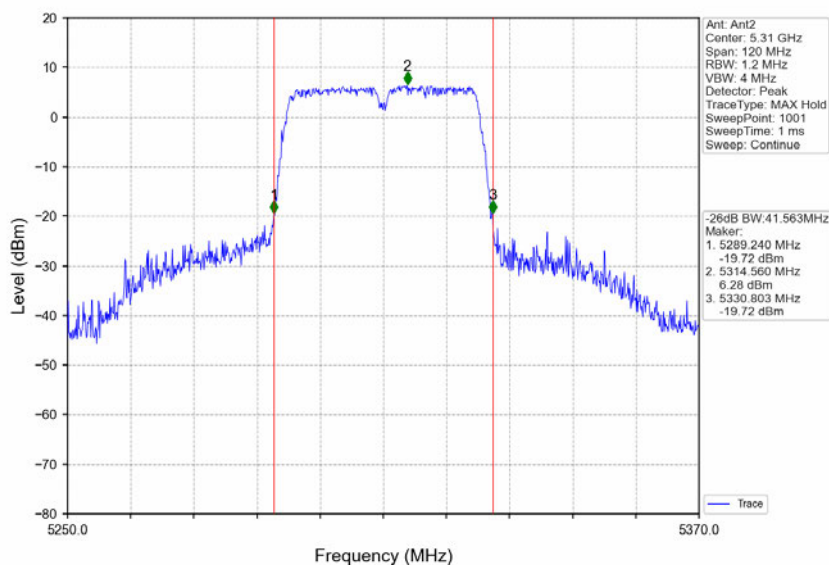
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802.11ac(VHT40)\_HCH\_5310MHz\_Ant1\_NTNV



802.11ac(VHT40)\_HCH\_5310MHz\_Ant2\_NTNV



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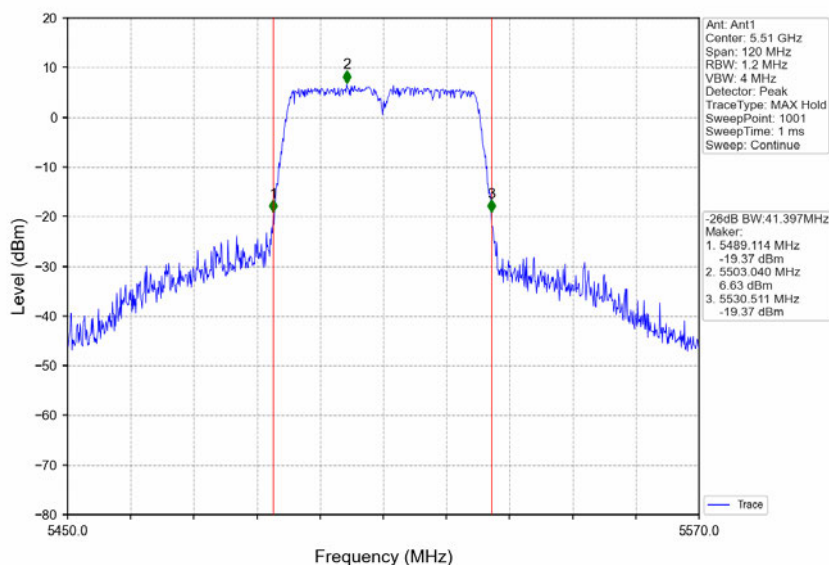
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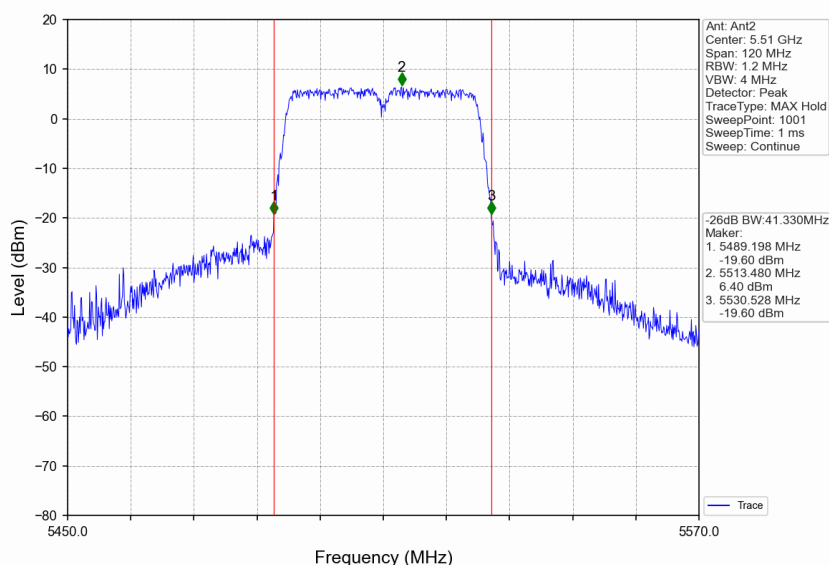
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802.11ac(VHT40)\_LCH\_5510MHz\_Ant1\_NTNV



802.11ac(VHT40)\_LCH\_5510MHz\_Ant2\_NTNV



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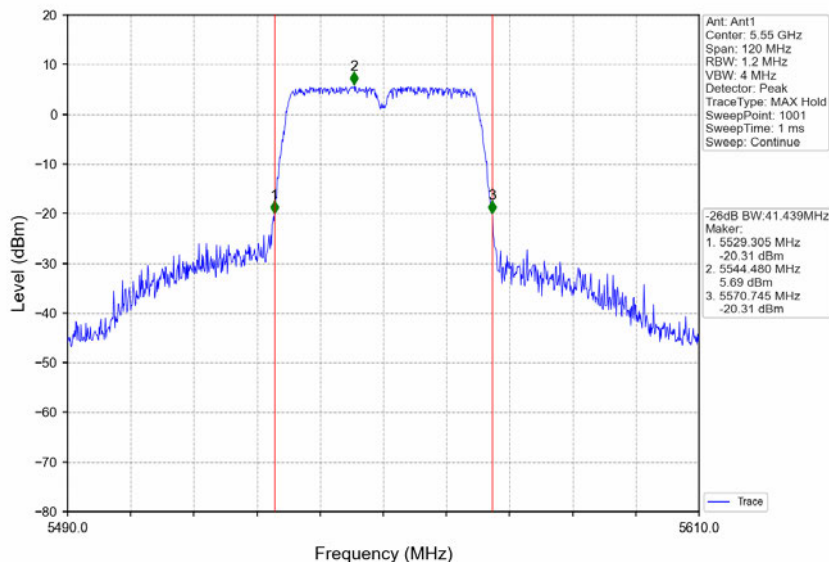
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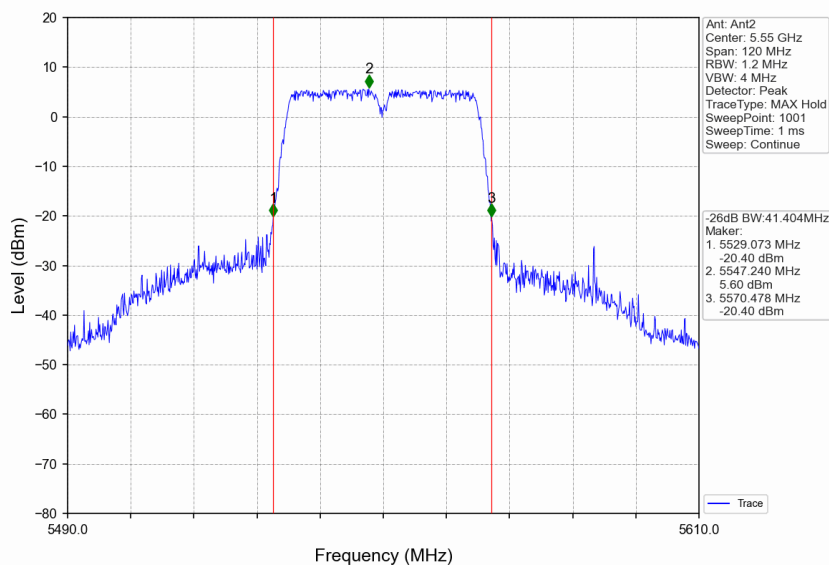
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802.11ac(VHT40)\_MCH\_5550MHz\_Ant1\_NTNV



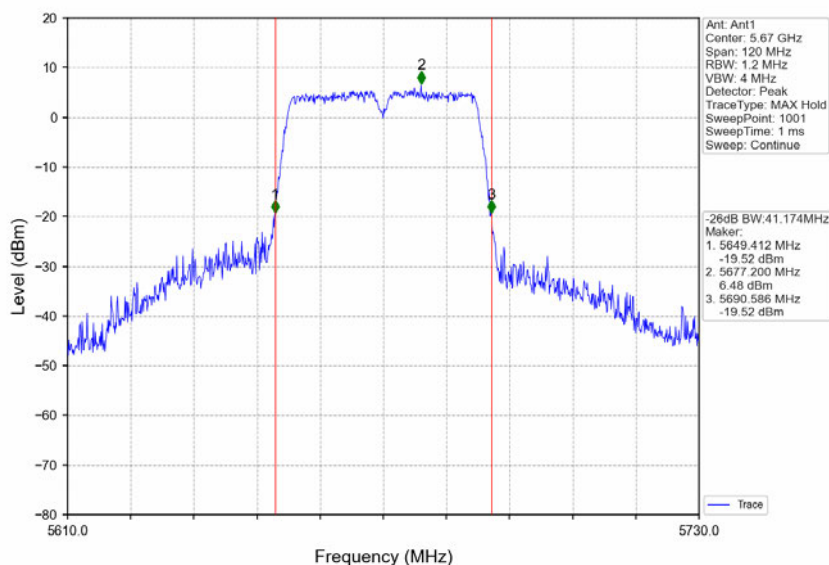
802.11ac(VHT40)\_MCH\_5550MHz\_Ant2\_NTNV



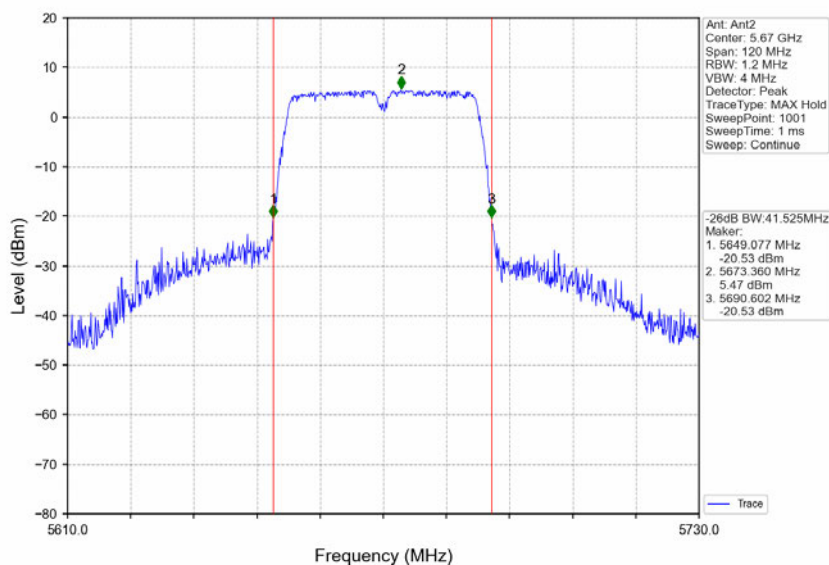
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802.11ac(VHT40)\_HCH\_5670MHz\_Ant1\_NTNV



802.11ac(VHT40)\_HCH\_5670MHz\_Ant2\_NTNV



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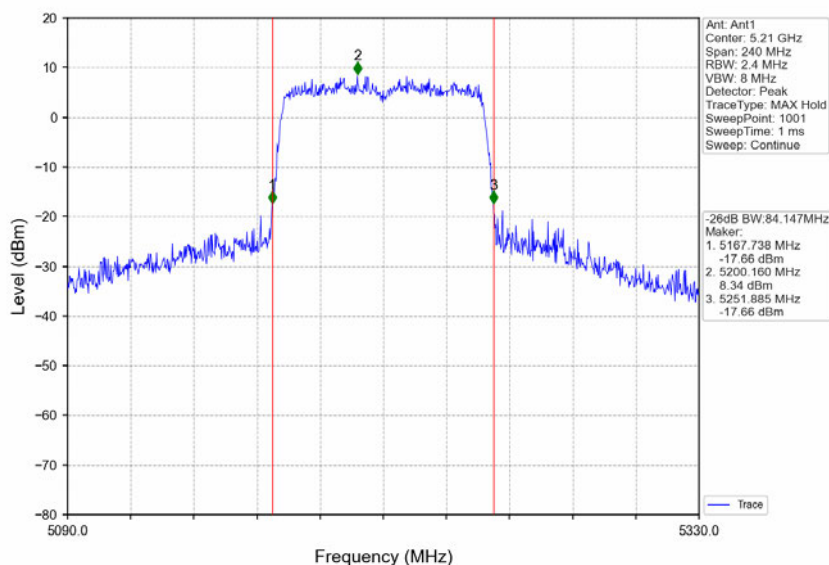
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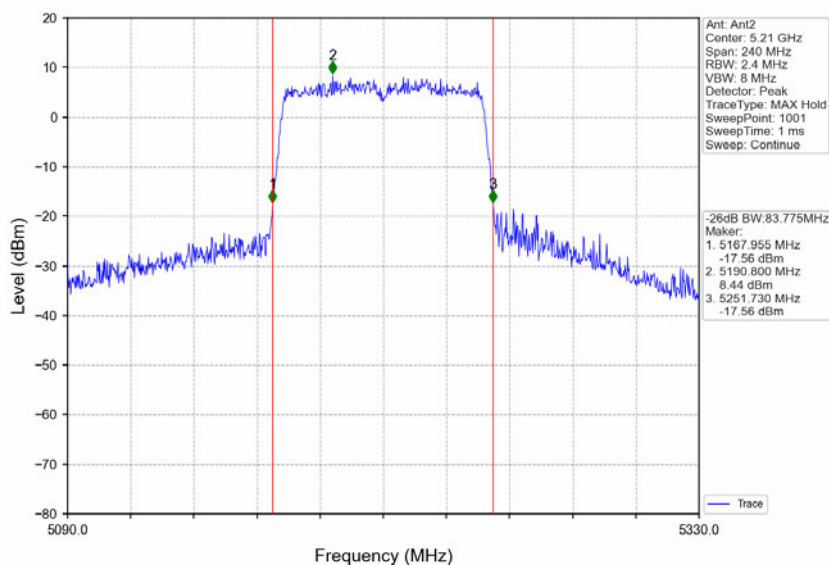
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802.11ac(VHT80)\_MCH\_5210MHz\_Ant1\_NTNV



802.11ac(VHT80)\_MCH\_5210MHz\_Ant2\_NTNV



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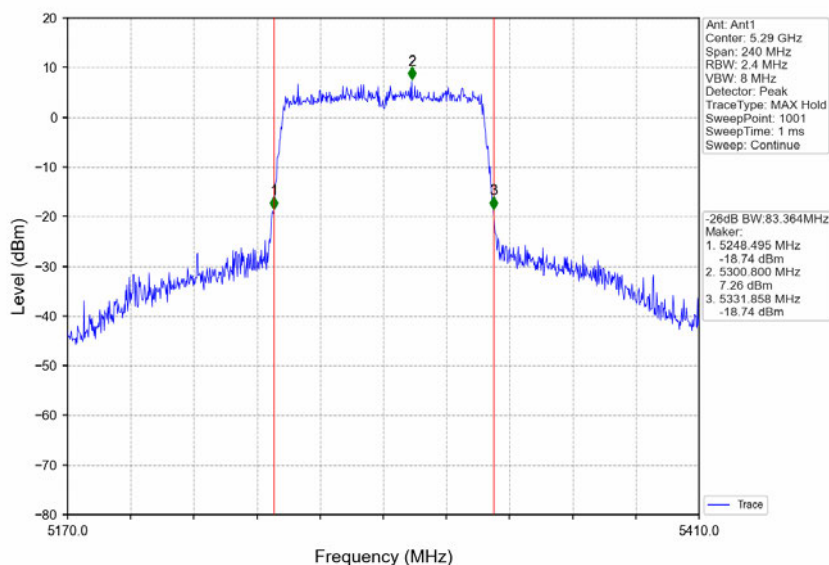
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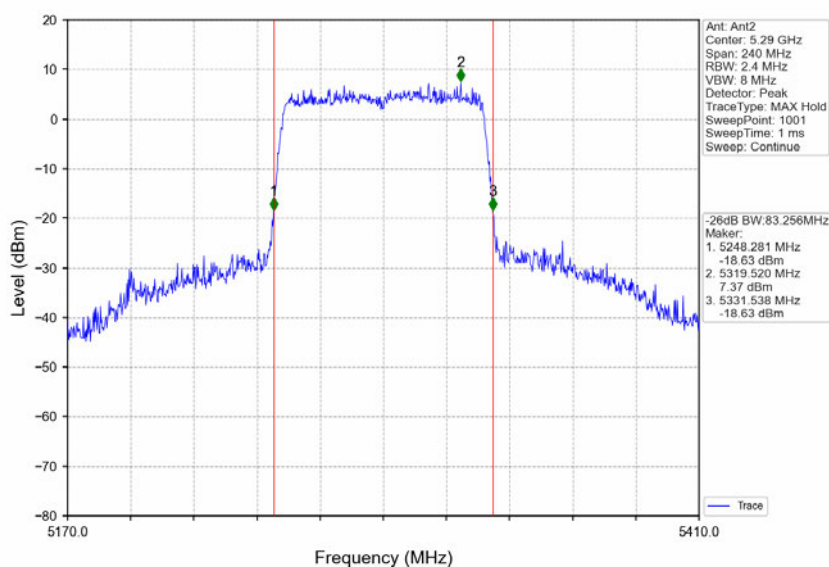
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802.11ac(VHT80)\_MCH\_5290MHz\_Ant1\_NTNV



802.11ac(VHT80)\_MCH\_5290MHz\_Ant2\_NTNV



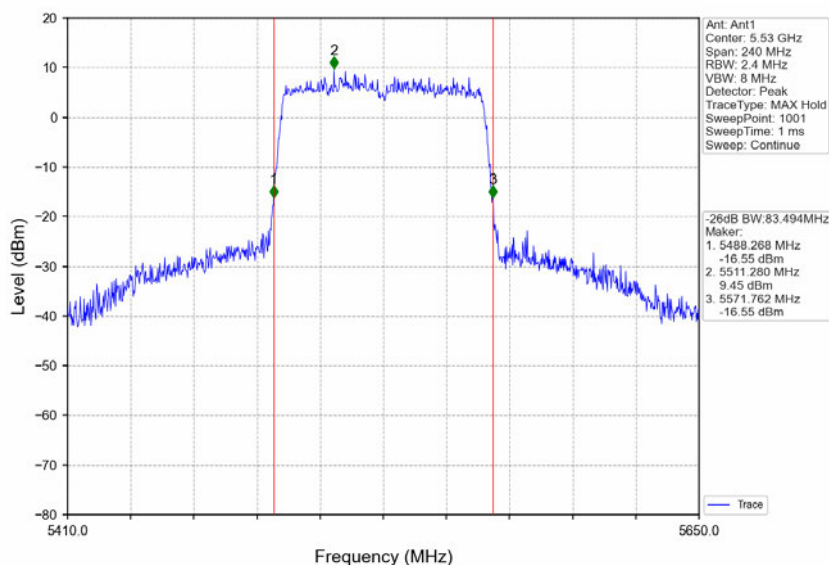
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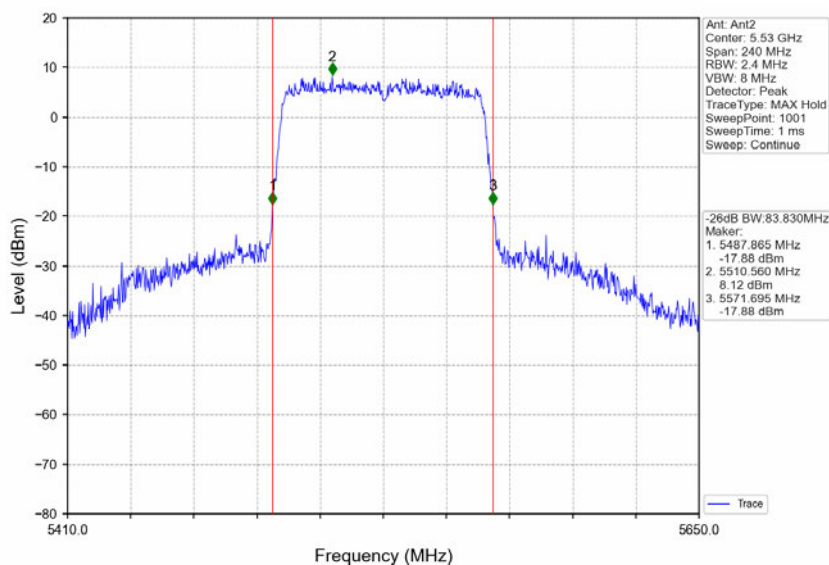
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802.11ac(VHT80)\_LCH\_5530MHz\_Ant1\_NTNV



802.11ac(VHT80)\_LCH\_5530MHz\_Ant2\_NTNV



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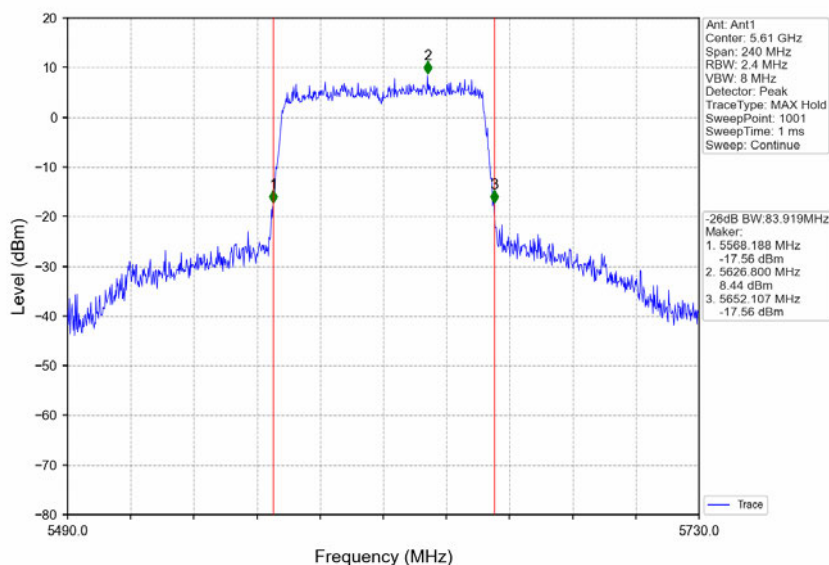
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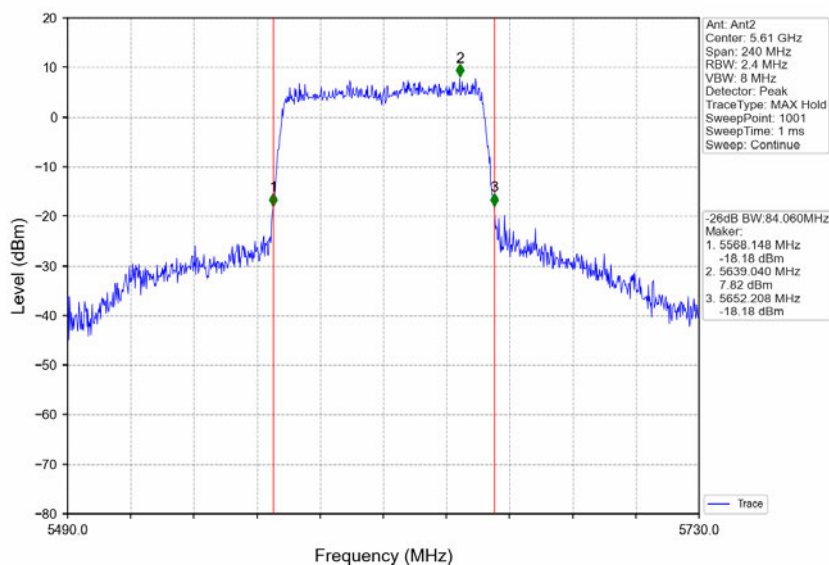
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802.11ac(VHT80)\_HCH\_5610MHz\_Ant1\_NTNV



802.11ac(VHT80)\_HCH\_5610MHz\_Ant2\_NTNV



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### 3. Maximum Conducted Output Power

#### 3.1 Power

##### 3.1.1 Test Result For FCC

Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)				Verdict
			Ant1	Ant2	MIMO	Limit	
802.11a	SISO	5180	13.68	14.17	/	<=23.98	Pass
		5200	14.02	14.57	/	<=23.98	Pass
		5240	14.13	14.41	/	<=23.98	Pass
		5260	14.22	14.44	/	<=23.98	Pass
		5300	14.55	14.22	/	<=23.98	Pass
		5320	14.20	13.74	/	<=23.98	Pass
		5500	14.62	13.61	/	<=23.98	Pass
		5580	13.57	13.08	/	<=23.98	Pass
		5700	13.26	13.27	/	<=23.98	Pass
		5745	14.20	14.09	/	<=30	Pass
		5785	13.47	13.46	/	<=30	Pass
		5825	13.41	13.37	/	<=30	Pass
802.11n (HT20)	MIMO	5180	11.02	11.00	14.02	<=23.98	Pass
		5200	11.16	11.01	14.10	<=23.98	Pass
		5240	11.30	11.11	14.22	<=23.98	Pass
		5260	11.35	11.33	14.35	<=23.98	Pass
		5300	11.27	11.14	14.22	<=23.98	Pass
		5320	11.04	11.05	14.06	<=23.98	Pass
		5500	11.37	11.47	14.43	<=23.98	Pass
		5580	11.57	11.64	14.62	<=23.98	Pass
		5700	10.70	10.76	13.74	<=23.98	Pass
		5745	11.68	11.65	14.68	<=30	Pass
		5785	11.22	11.27	14.26	<=30	Pass
		5825	10.99	11.04	14.03	<=30	Pass
802.11n (HT40)	MIMO	5190	11.41	11.40	14.42	<=23.98	Pass
		5230	11.53	11.51	14.53	<=23.98	Pass
		5270	11.37	11.32	14.36	<=23.98	Pass
		5310	10.98	11.08	14.04	<=23.98	Pass
		5510	11.21	11.66	14.45	<=23.98	Pass
		5550	10.70	11.87	14.33	<=23.98	Pass
		5670	10.08	11.21	13.69	<=23.98	Pass
		5755	11.73	10.09	14.00	<=30	Pass
802.11ac (VHT20)	MIMO	5180	11.16	11.47	14.33	<=23.98	Pass
		5200	11.17	11.42	14.31	<=23.98	Pass
		5240	11.73	11.69	14.72	<=23.98	Pass
		5260	10.92	11.06	14.00	<=23.98	Pass
		5300	10.96	10.93	13.96	<=23.98	Pass
		5320	10.80	10.68	13.75	<=23.98	Pass
		5500	11.11	11.25	14.19	<=23.98	Pass
		5580	11.62	11.45	14.55	<=23.98	Pass
		5700	11.43	11.38	14.42	<=23.98	Pass
		5745	11.06	11.12	14.10	<=30	Pass
		5785	10.77	10.82	13.81	<=30	Pass
		5825	10.68	10.81	13.76	<=30	Pass
802.11ac	MIMO	5190	11.70	11.54	14.63	<=23.98	Pass

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(VHT40)		5230	11.87	11.88	14.89	<=23.98	Pass
		5270	11.85	12.07	14.97	<=23.98	Pass
		5310	11.55	11.71	14.64	<=23.98	Pass
		5510	11.51	11.63	14.58	<=23.98	Pass
		5550	11.09	11.01	14.06	<=23.98	Pass
		5670	10.52	10.63	13.59	<=23.98	Pass
		5755	11.73	11.61	14.68	<=30	Pass
		5795	11.01	11.20	14.12	<=30	Pass
802.11ac (VHT80)	MIMO	5210	11.34	11.68	14.52	<=23.98	Pass
		5290	11.52	11.59	14.57	<=23.98	Pass
		5530	11.29	11.49	14.40	<=23.98	Pass
		5610	10.41	10.81	13.62	<=23.98	Pass
		5775	10.80	10.51	13.67	<=30	Pass
Note1: Antenna Gain: Ant1: 3.48dBi; Ant2: 2.39dBi; Note2: Directional Gain: 5.96dBi							

### 3.1.2 Test Result For IC

Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)				Verdict
			Ant1	Ant2	MIMO	Limit	
802.11a	SISO	5260	14.22	14.44	/	<=23.98	Pass
		5300	14.55	14.22	/	<=23.98	Pass
		5320	14.20	13.74	/	<=23.98	Pass
		5500	14.62	13.61	/	<=23.98	Pass
		5580	13.57	13.08	/	<=23.98	Pass
		5700	13.26	13.27	/	<=23.98	Pass
		5745	14.20	14.09	/	<=30	Pass
		5785	13.47	13.46	/	<=30	Pass
802.11n (HT20)	MIMO	5260	11.35	11.33	14.35	<=23.98	Pass
		5300	11.27	11.14	14.22	<=23.98	Pass
		5320	11.04	11.05	14.06	<=23.98	Pass
		5500	11.37	11.47	14.43	<=23.98	Pass
		5580	11.57	11.64	14.62	<=23.98	Pass
		5700	10.70	10.76	13.74	<=23.98	Pass
		5745	11.68	11.65	14.68	<=30	Pass
		5785	11.22	11.27	14.26	<=30	Pass
802.11n (HT40)	MIMO	5260	10.99	11.04	14.03	<=30	Pass
		5270	11.37	11.32	14.36	<=23.98	Pass
		5310	10.98	11.08	14.04	<=23.98	Pass
		5510	11.21	11.66	14.45	<=23.98	Pass
		5550	10.70	11.87	14.33	<=23.98	Pass
		5670	10.08	11.21	13.69	<=23.98	Pass
		5755	11.73	10.09	14.00	<=30	Pass
		5795	11.04	10.91	13.99	<=30	Pass
802.11ac (VHT20)	MIMO	5260	10.92	11.06	14.00	<=23.98	Pass
		5300	10.96	10.93	13.96	<=23.98	Pass
		5320	10.80	10.68	13.75	<=23.98	Pass
		5500	11.11	11.25	14.19	<=23.98	Pass
		5580	11.62	11.45	14.55	<=23.98	Pass
		5700	11.43	11.38	14.42	<=23.98	Pass
		5745	11.06	11.12	14.10	<=30	Pass
		5785	10.77	10.82	13.81	<=30	Pass
		5825	10.68	10.81	13.76	<=30	Pass

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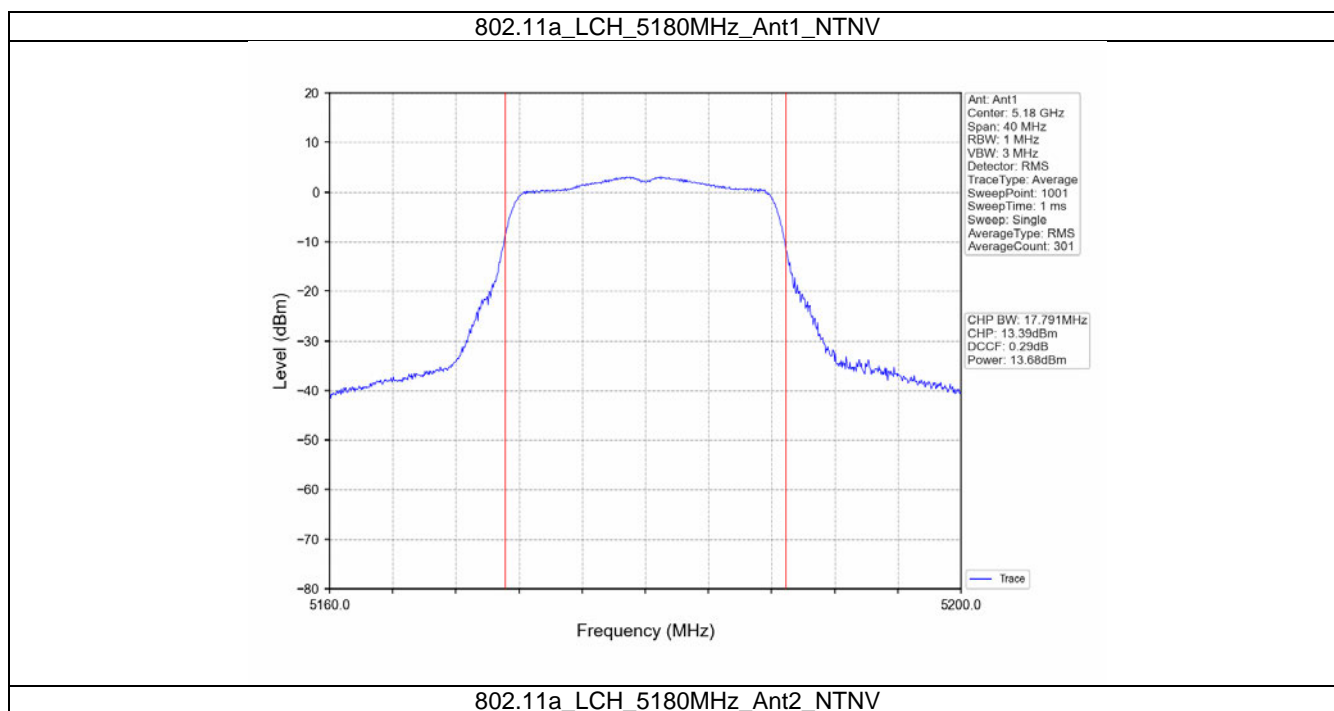
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802.11ac (VHT40)	MIMO	5270	11.85	12.07	14.97	<=23.98	Pass
		5310	11.55	11.71	14.64	<=23.98	Pass
		5510	11.51	11.63	14.58	<=23.98	Pass
		5550	11.09	11.01	14.06	<=23.98	Pass
		5670	10.52	10.63	13.59	<=23.98	Pass
		5755	11.73	11.61	14.68	<=30	Pass
		5795	11.01	11.20	14.12	<=30	Pass
802.11ac (VHT80)	MIMO	5290	11.52	11.59	14.57	<=23.98	Pass
		5530	11.29	11.49	14.40	<=23.98	Pass
		5610	10.41	10.81	13.62	<=23.98	Pass
		5775	10.80	10.51	13.67	<=30	Pass

Note1: Antenna Gain: Ant1: 3.48dBi; Ant2: 2.39dBi;  
Note2: Directional Gain: 5.96dBi

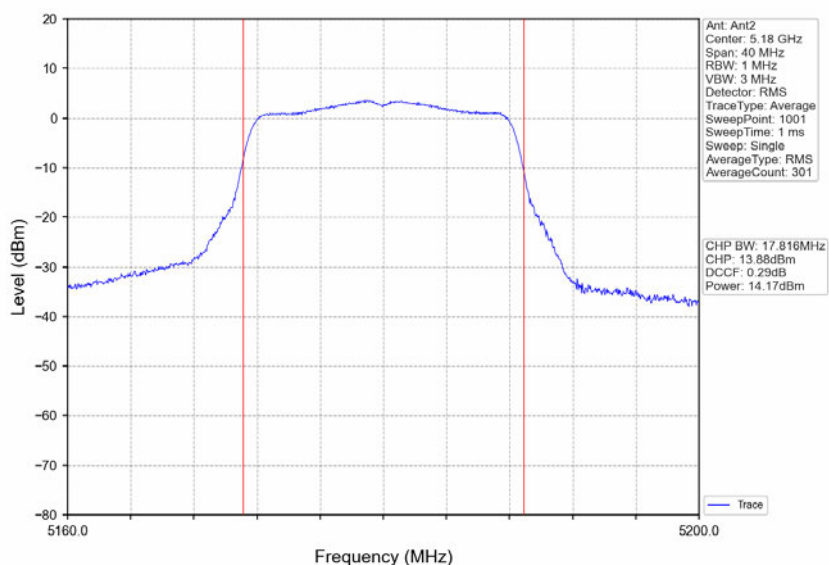
### 3.1.3 Test Graph



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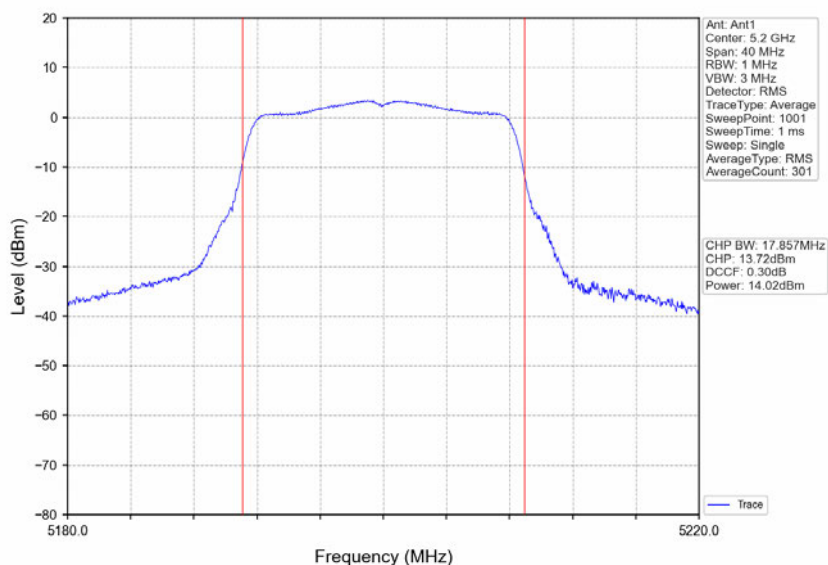




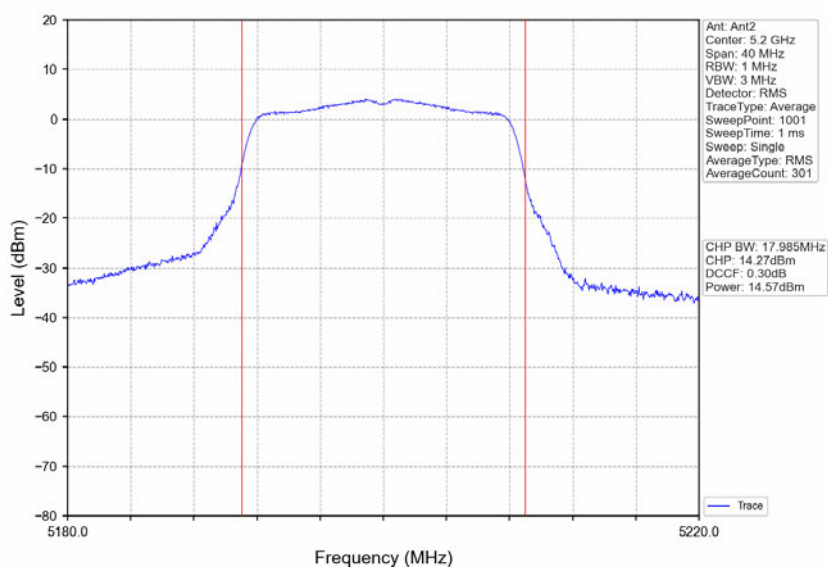
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802.11a\_MCH\_5200MHz\_Ant2\_NTNV



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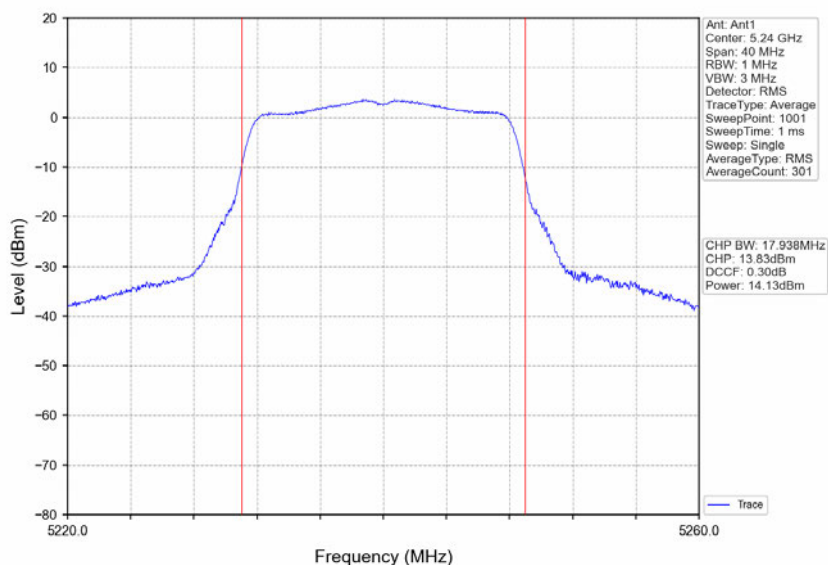
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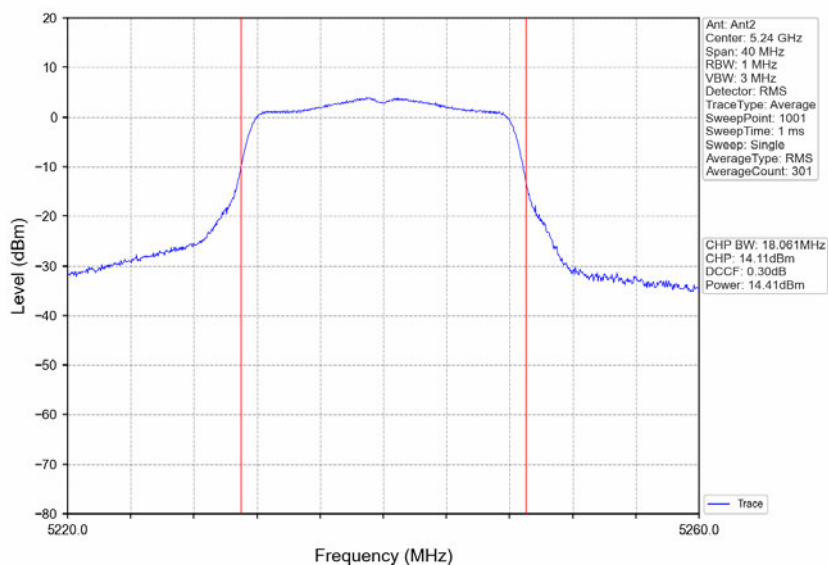
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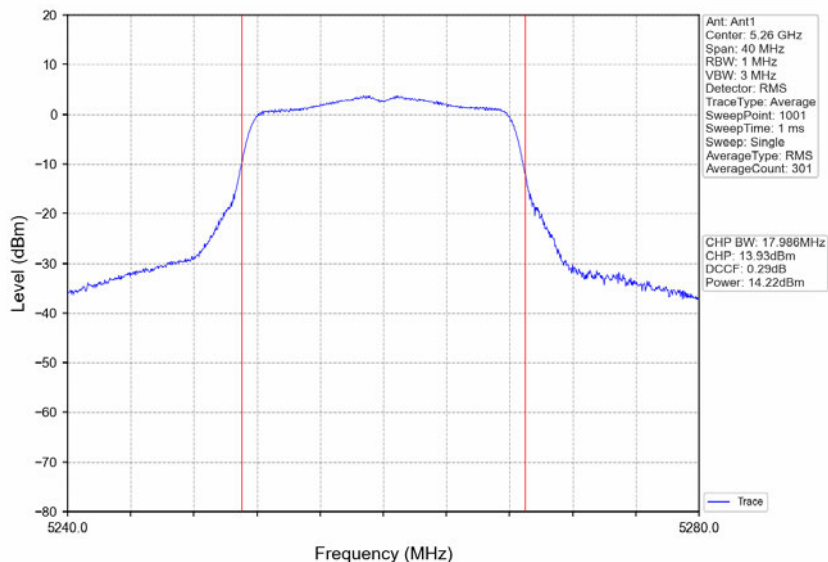
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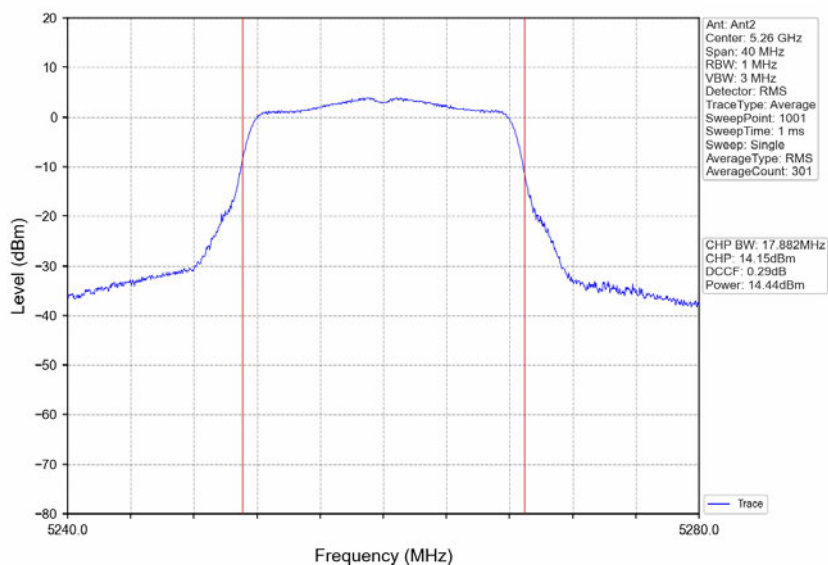
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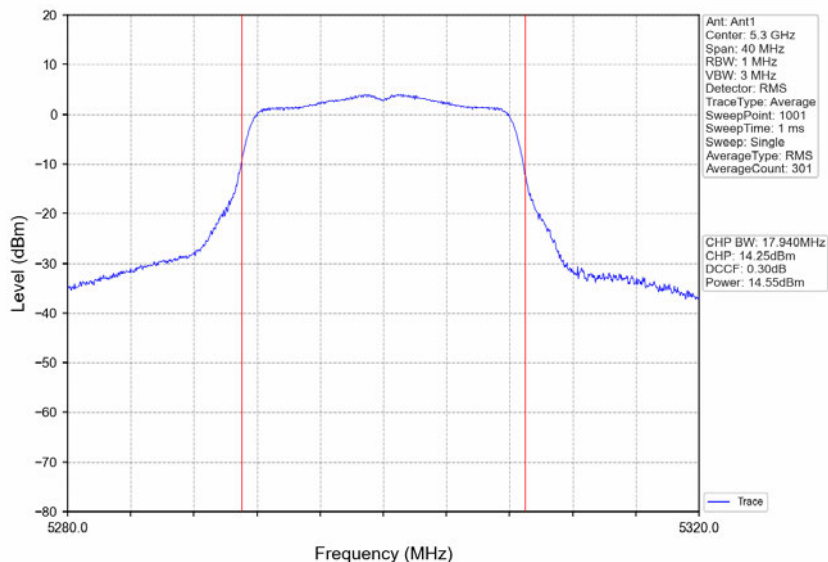
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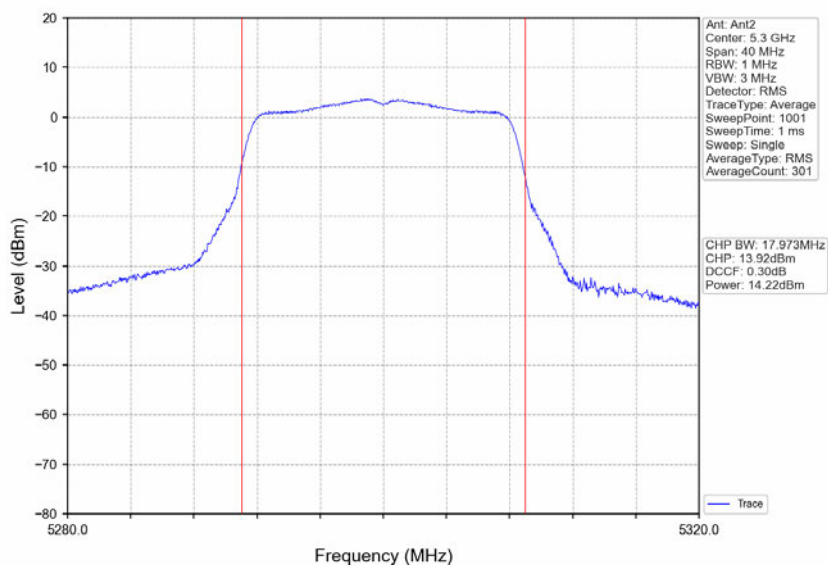
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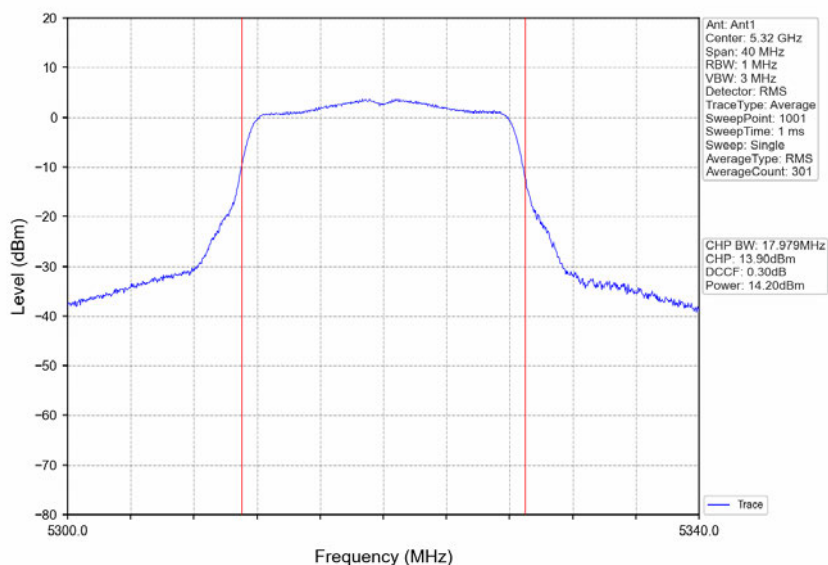
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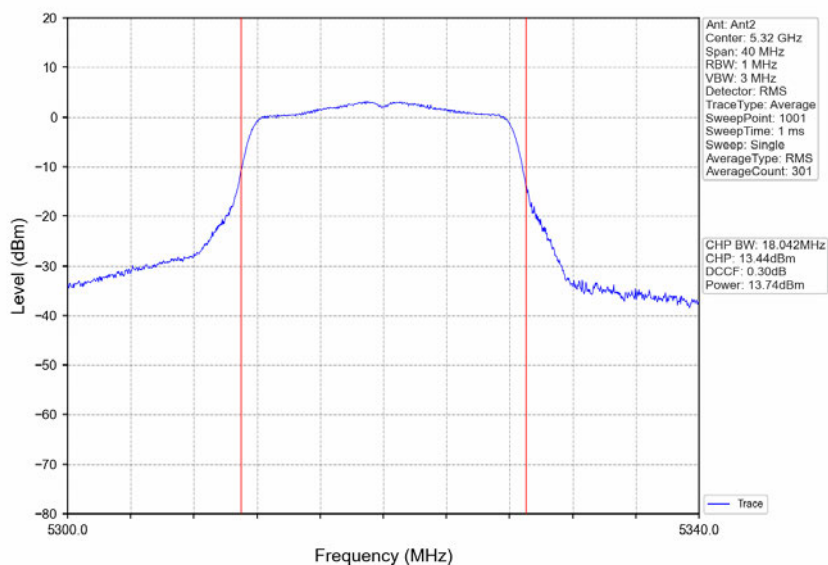
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