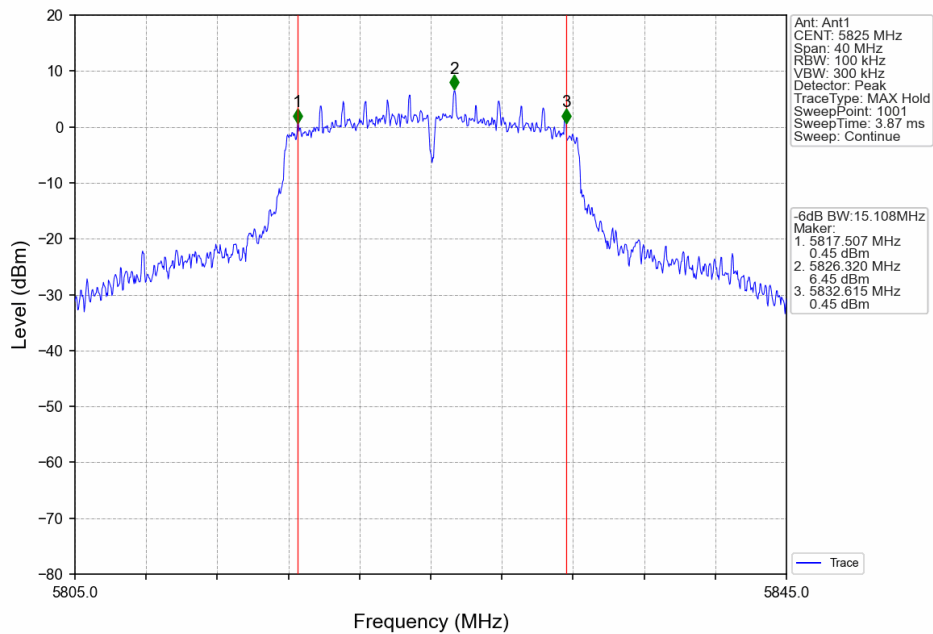
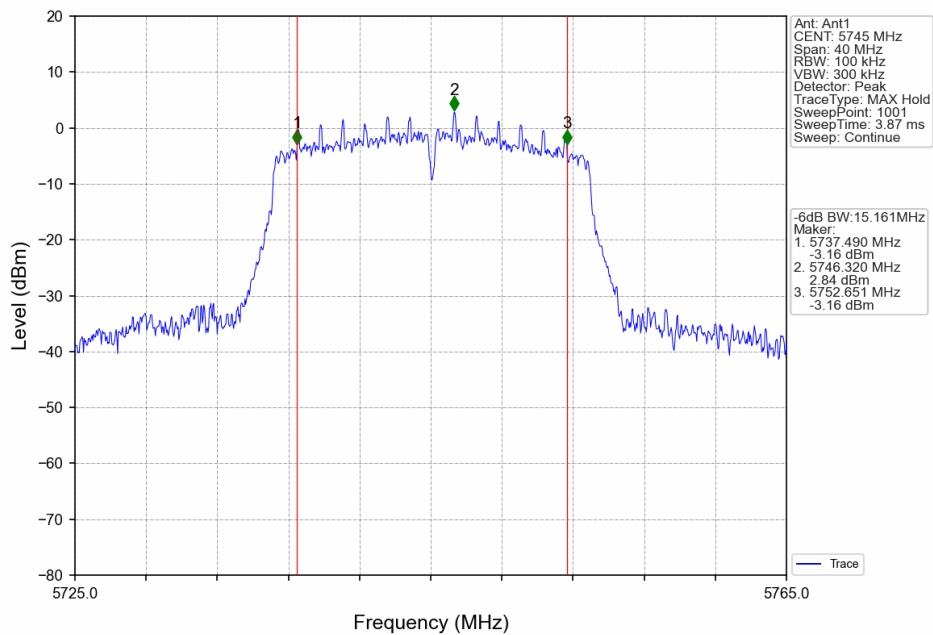


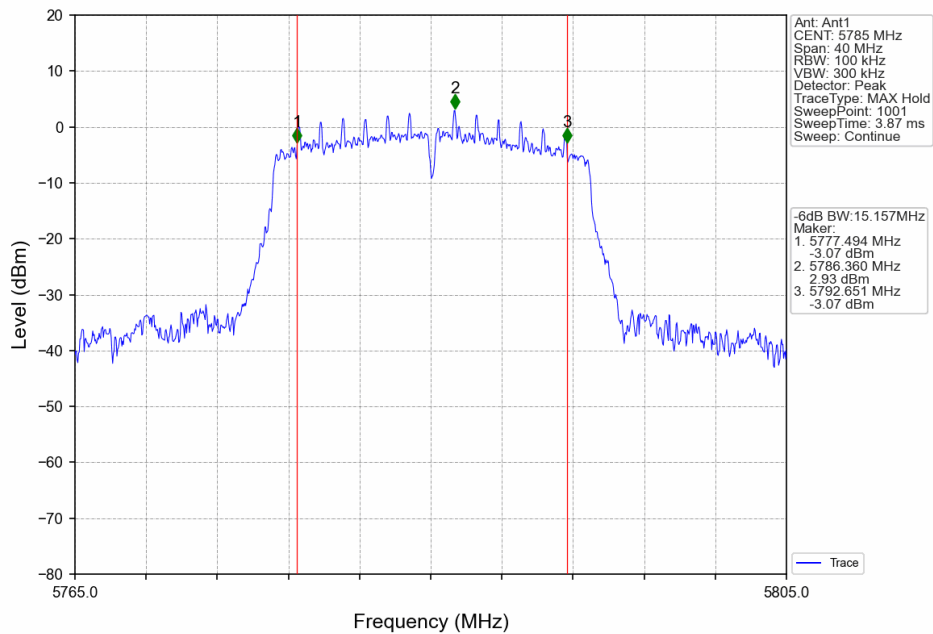
802.11a\_HCH\_5825MHz\_Ant1\_NTNV



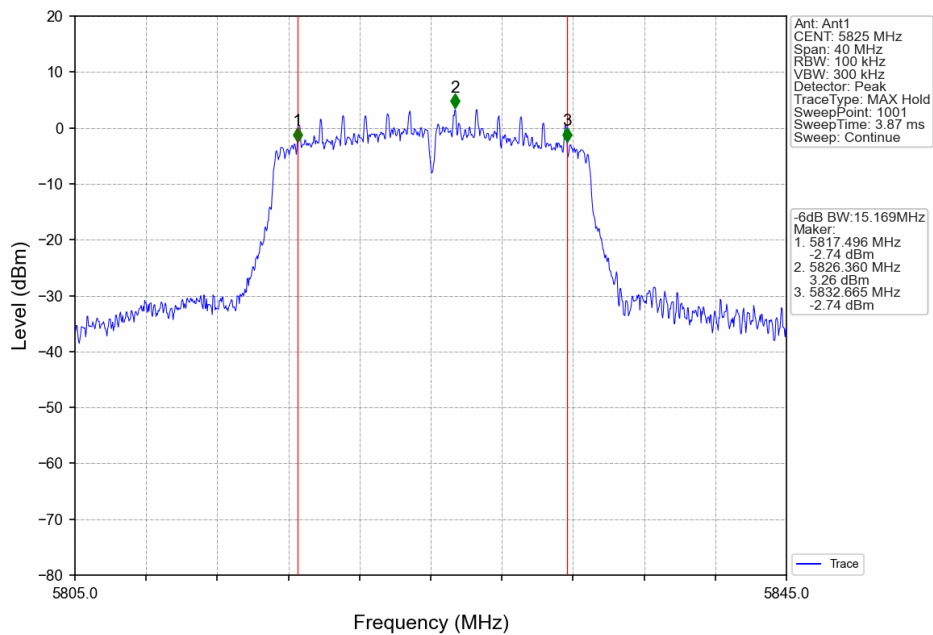
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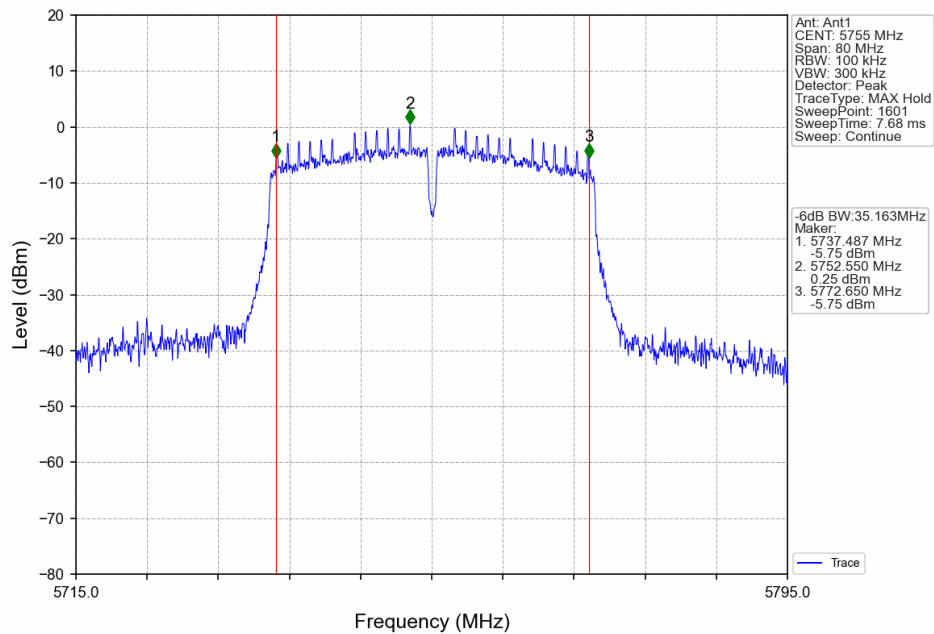
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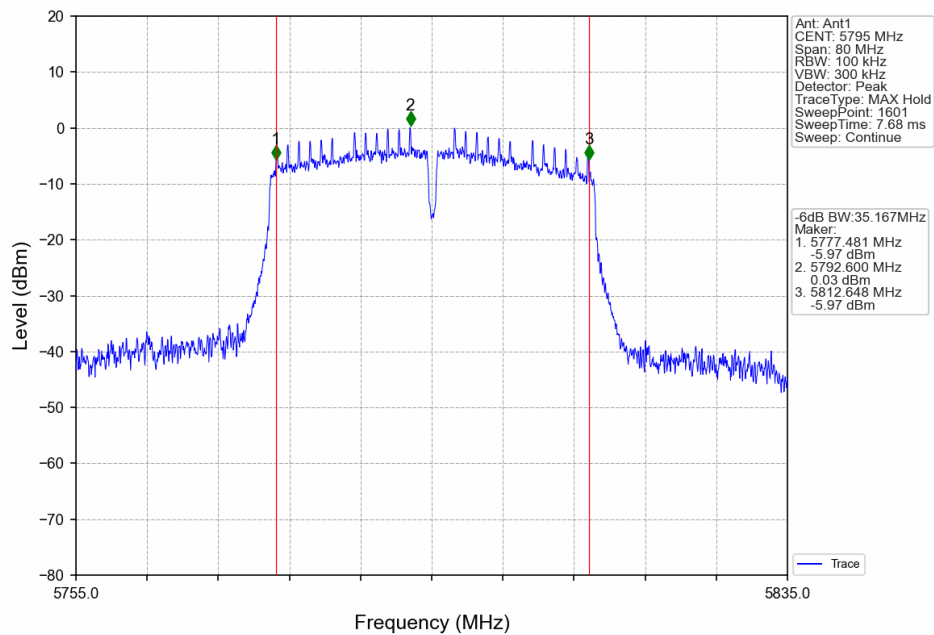
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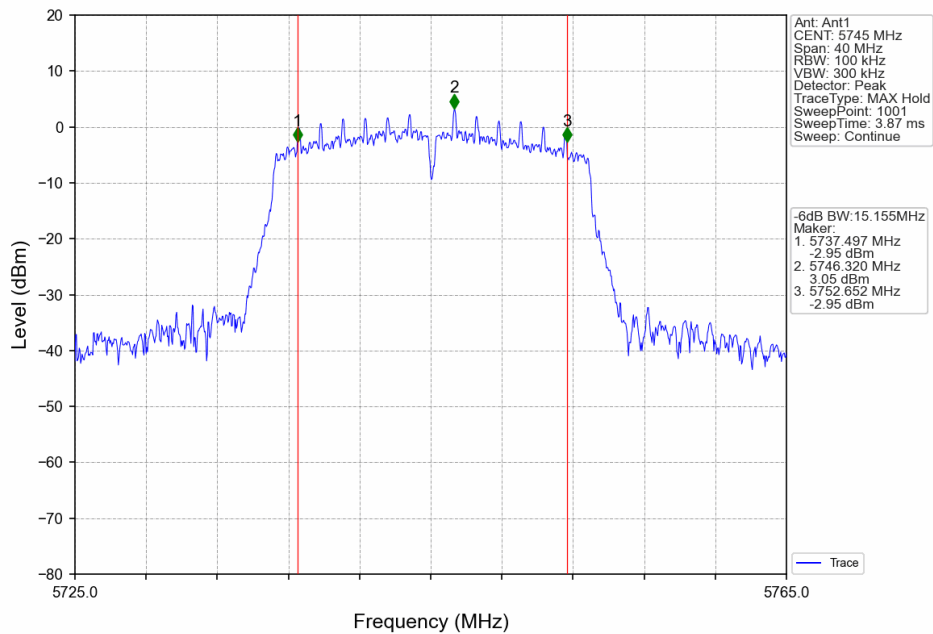
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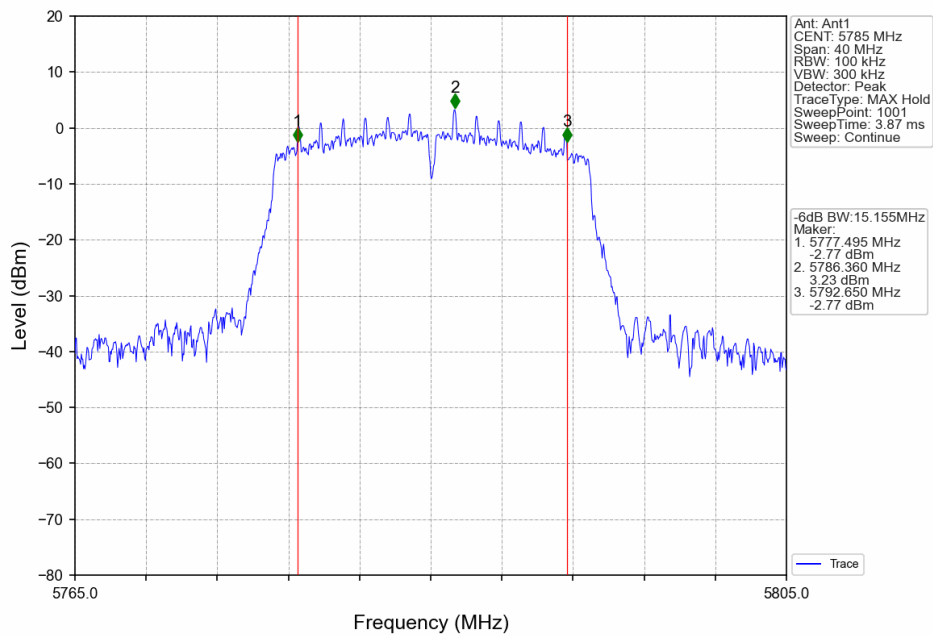
802.11n(HT40)\_HCH\_5795MHz\_Ant1\_NTNV



802.11ac(VHT20)\_LCH\_5745MHz\_Ant1\_NTNV

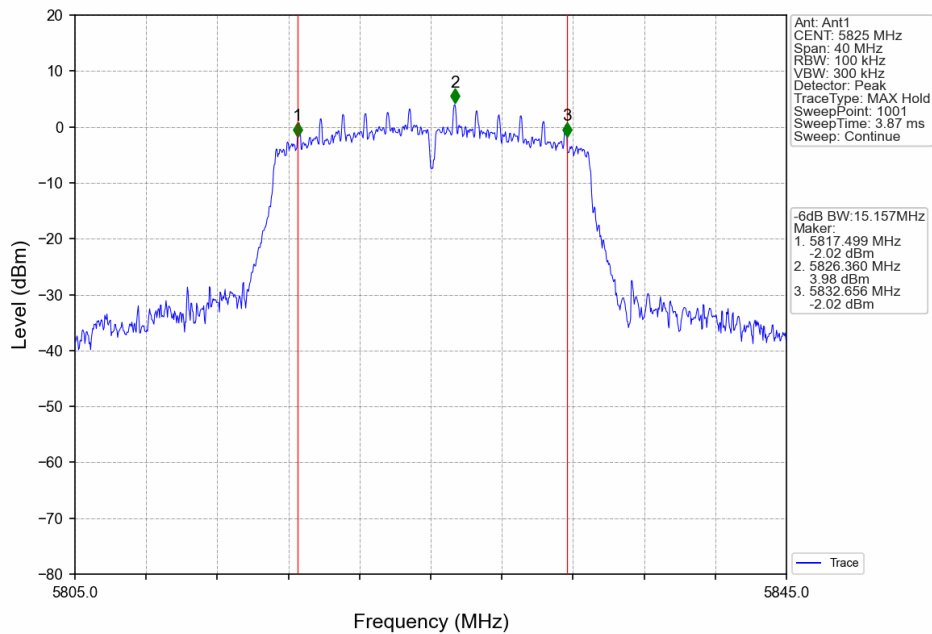


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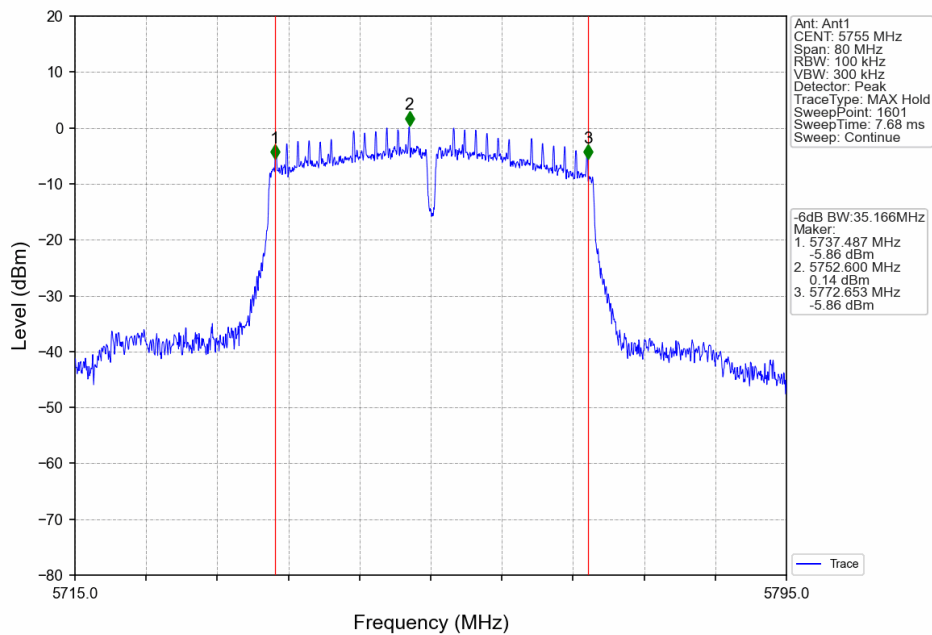




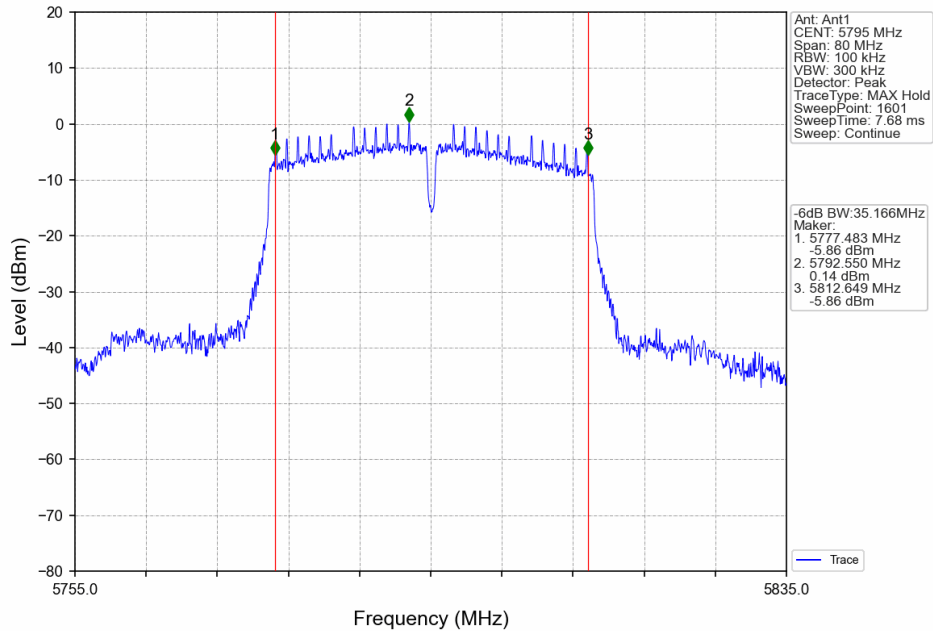
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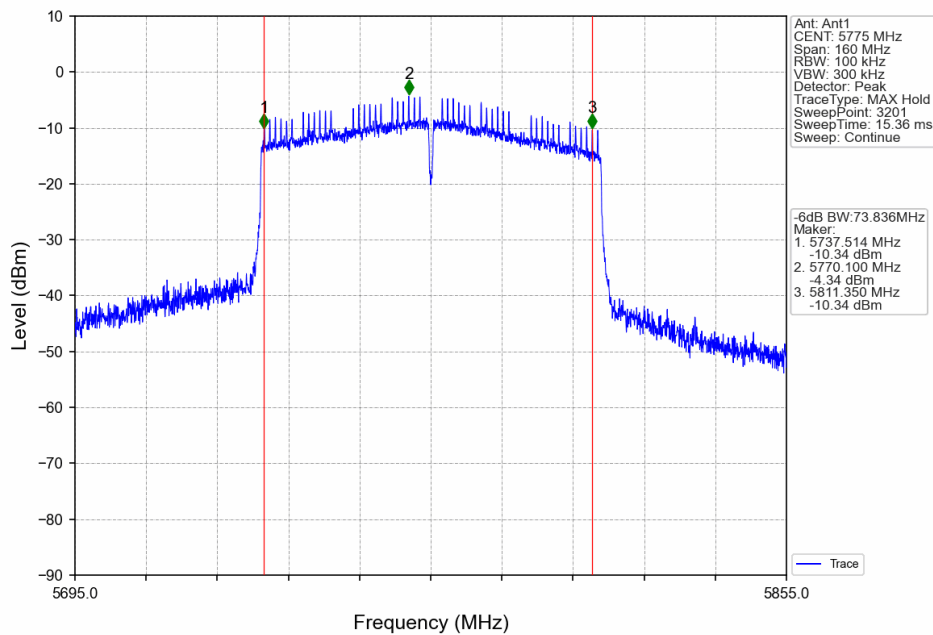
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802.11ac(VHT40)\_HCH\_5795MHz\_Ant1\_NTNV



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



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SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230700226904

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## 2.3 26dB BW

### 2.3.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	26dB Bandwidth (MHz)	Verdict
				Result	
802.11a	SISO	5180	1	20.103	Pass
		5200	1	20.115	Pass
		5240	1	24.453	Pass
		5260	1	24.516	Pass
		5300	1	23.820	Pass
		5320	1	25.808	Pass
		5500	1	23.595	Pass
		5580	1	23.492	Pass
		5700	1	25.540	Pass
802.11n (HT20)	MIMO	5180	1	20.116	Pass
		5200	1	20.054	Pass
		5240	1	20.205	Pass
		5260	1	20.167	Pass
		5300	1	20.199	Pass
		5320	1	20.155	Pass
		5500	1	20.193	Pass
		5580	1	20.154	Pass
802.11n (HT40)	MIMO	5190	1	40.573	Pass
		5230	1	40.388	Pass
		5270	1	40.432	Pass
		5310	1	40.238	Pass
		5510	1	40.402	Pass
		5550	1	40.462	Pass
		5670	1	40.326	Pass
802.11ac (VHT20)	MIMO	5180	1	20.103	Pass
		5200	1	20.009	Pass
		5240	1	20.061	Pass
		5260	1	20.165	Pass
		5300	1	20.106	Pass
		5320	1	20.160	Pass
		5500	1	20.119	Pass
		5580	1	20.086	Pass

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		5700	1	20.091	Pass
802.11ac (VHT40)	MIMO	5190	1	40.578	Pass
		5230	1	40.783	Pass
		5270	1	40.539	Pass
		5310	1	40.436	Pass
		5510	1	40.727	Pass
		5550	1	40.540	Pass
		5670	1	40.572	Pass
802.11ac (VHT80)	MIMO	5210	1	80.407	Pass
		5290	1	80.514	Pass
		5530	1	80.536	Pass
		5610	1	80.478	Pass



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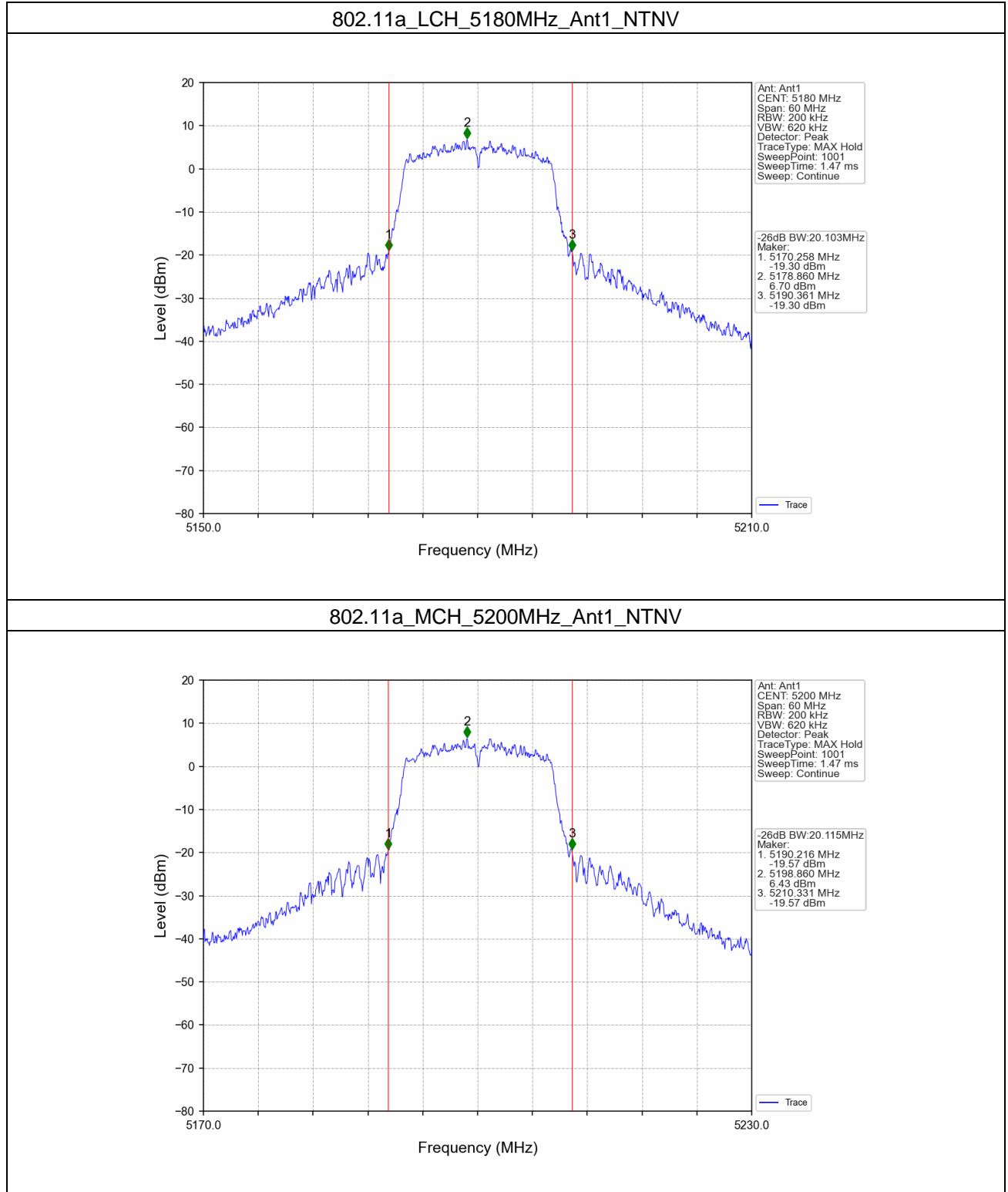
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### 2.3.2 Test Graph



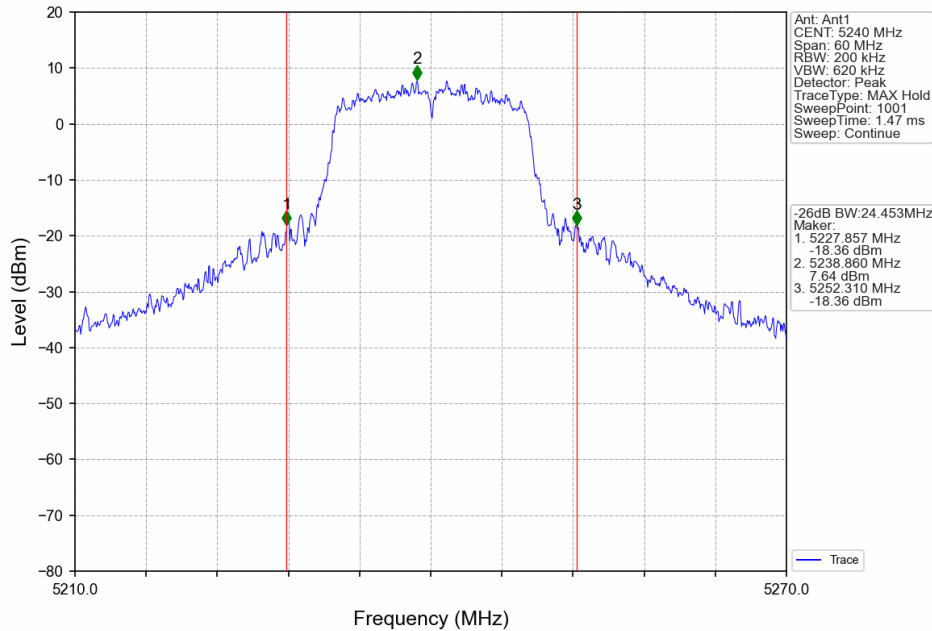
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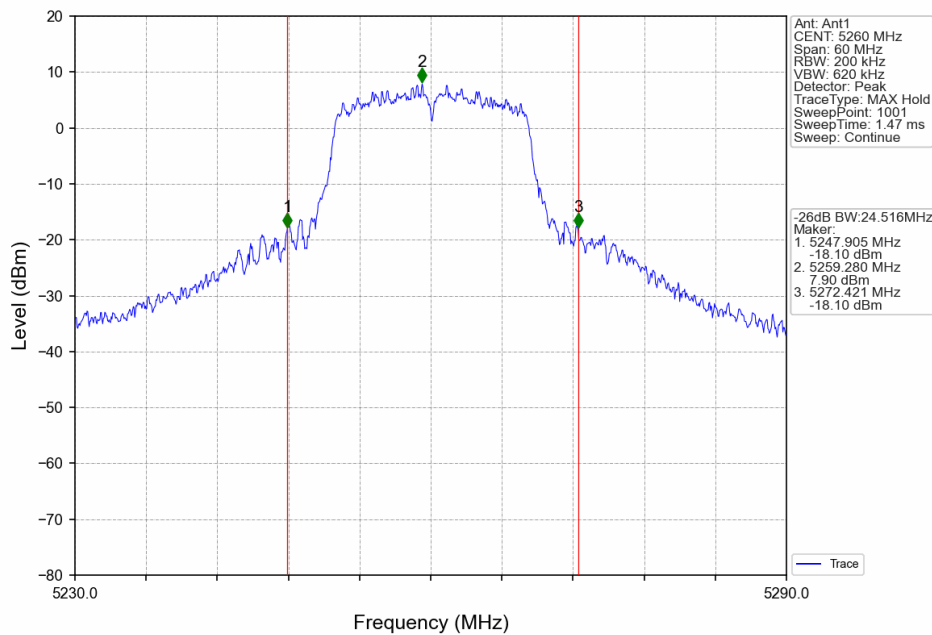
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802.11a\_HCH\_5240MHz\_Ant1\_NTNV



802.11a\_LCH\_5260MHz\_Ant1\_NTNV



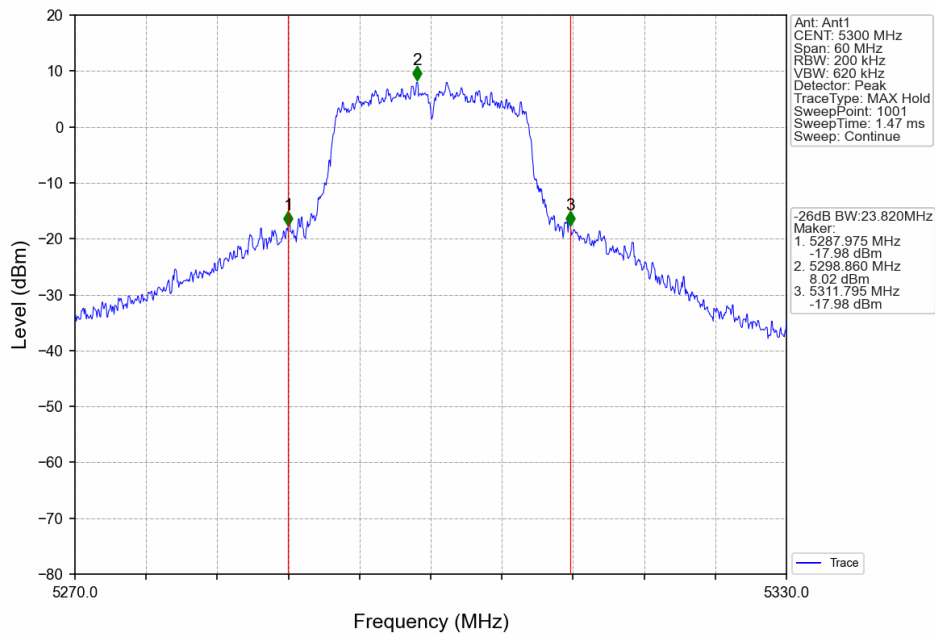
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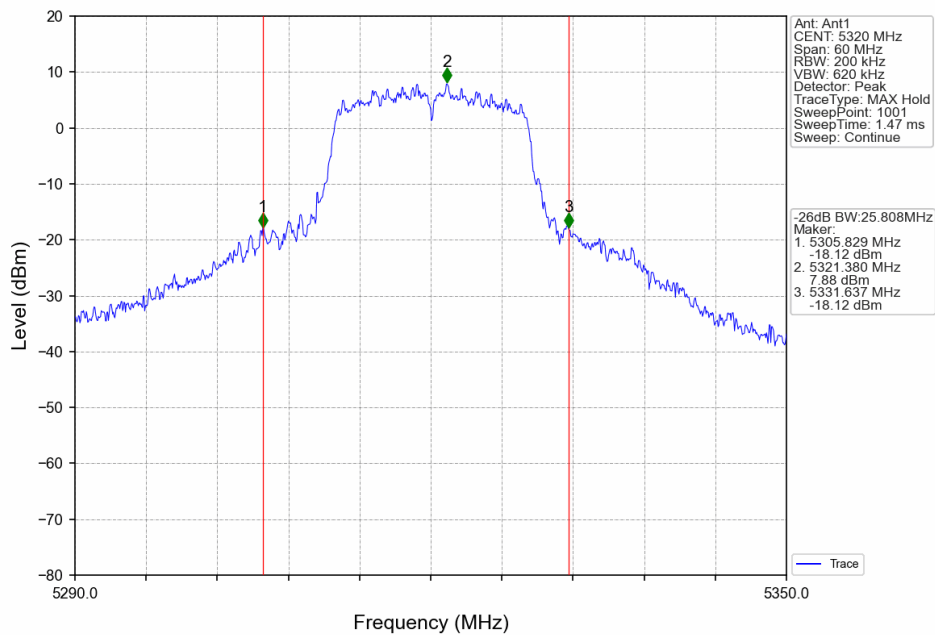
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### 802.11a\_MCH\_5300MHz\_Ant1\_NTNV



### 802.11a\_HCH\_5320MHz\_Ant1\_NTNV



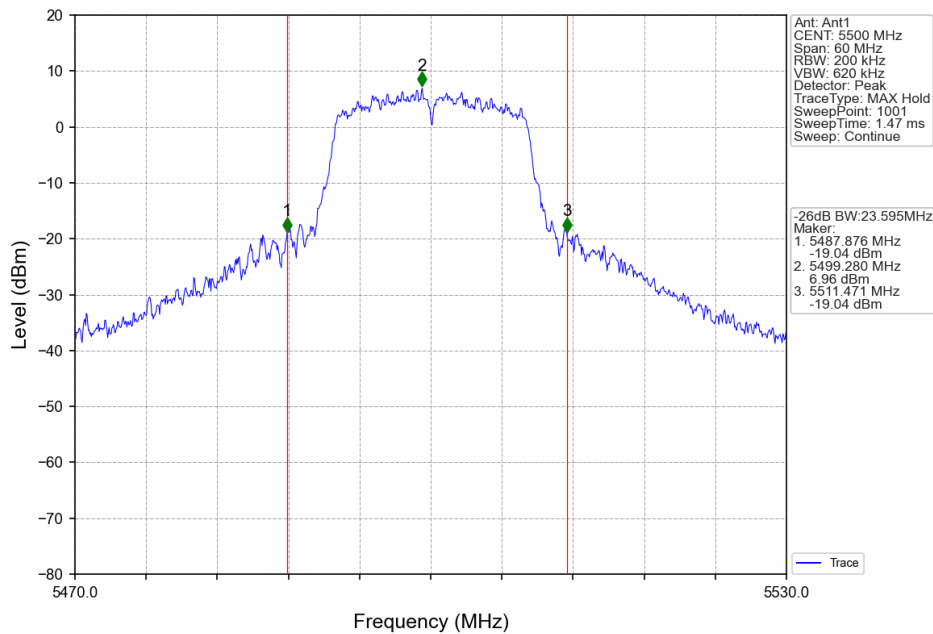
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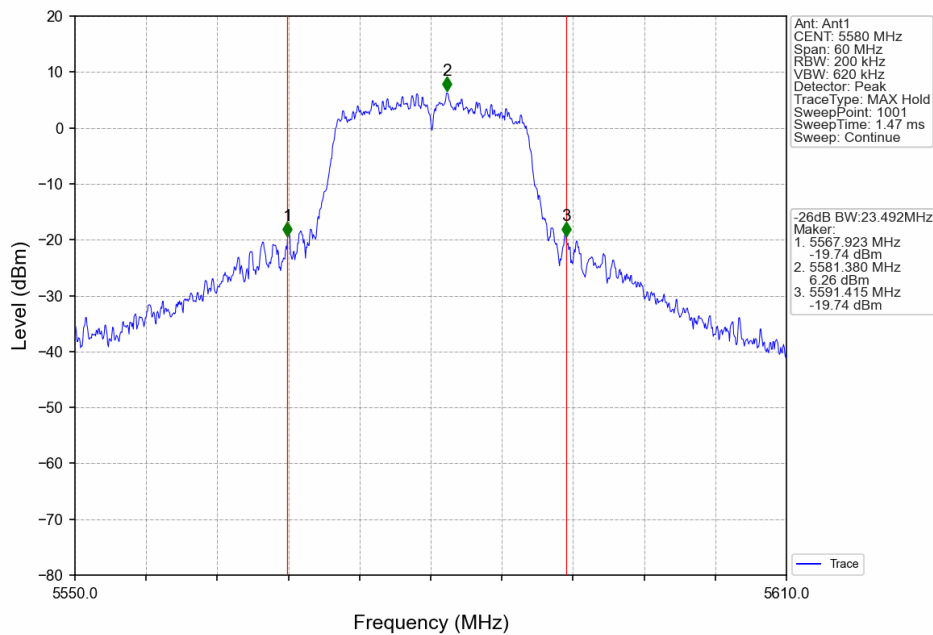
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802.11a\_LCH\_5500MHz\_Ant1\_NTNV



802.11a\_MCH\_5580MHz\_Ant1\_NTNV



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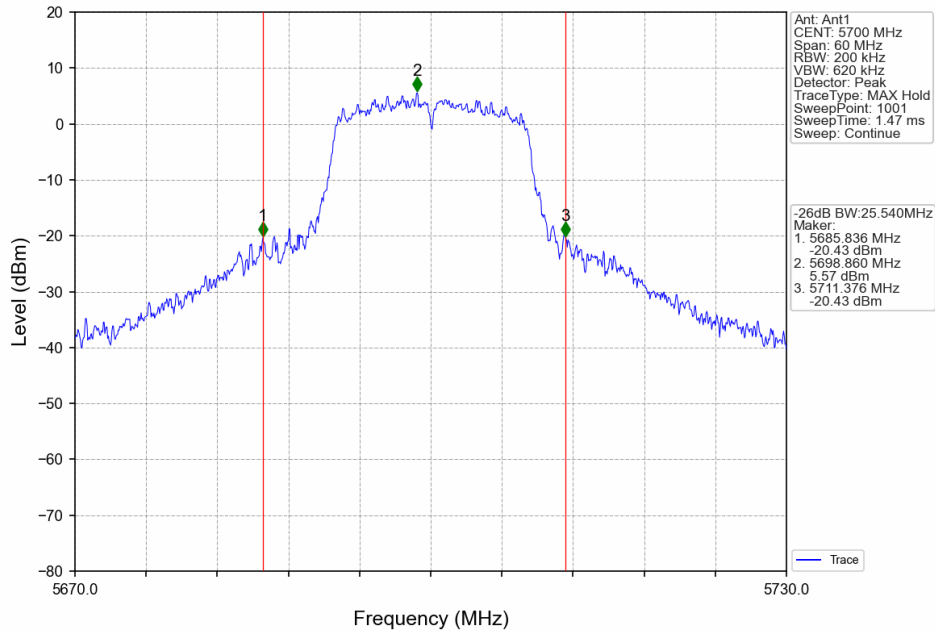
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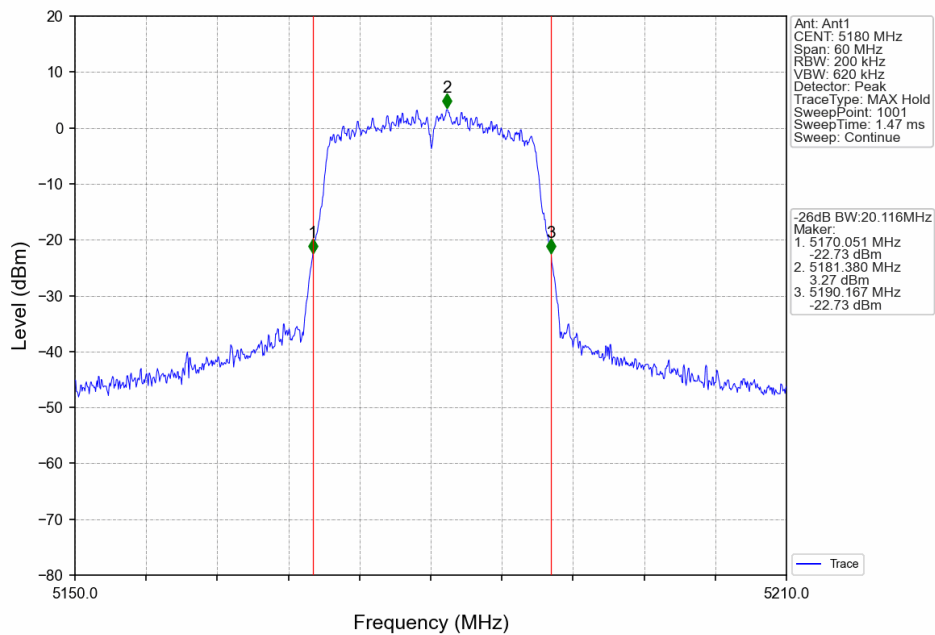
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802.11a\_HCH\_5700MHz\_Ant1\_NTNV



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



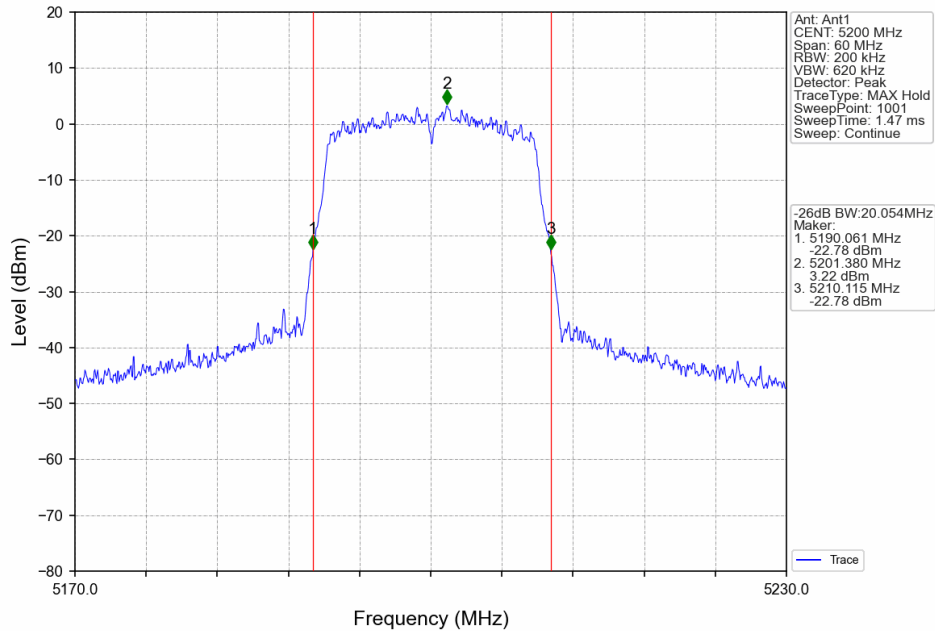
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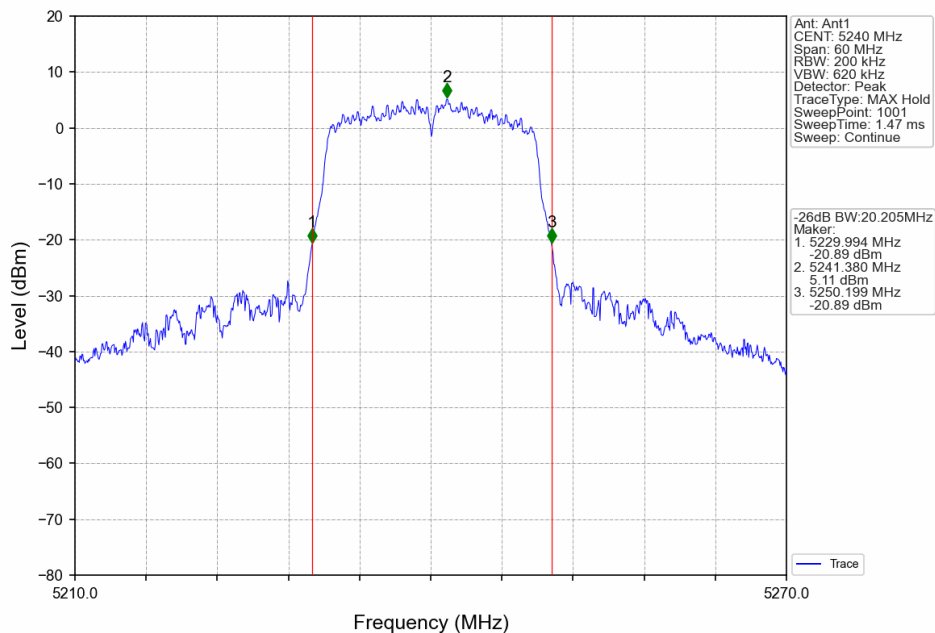
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### 802.11n(HT20)\_MCH\_5200MHz\_Ant1\_NTNV



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



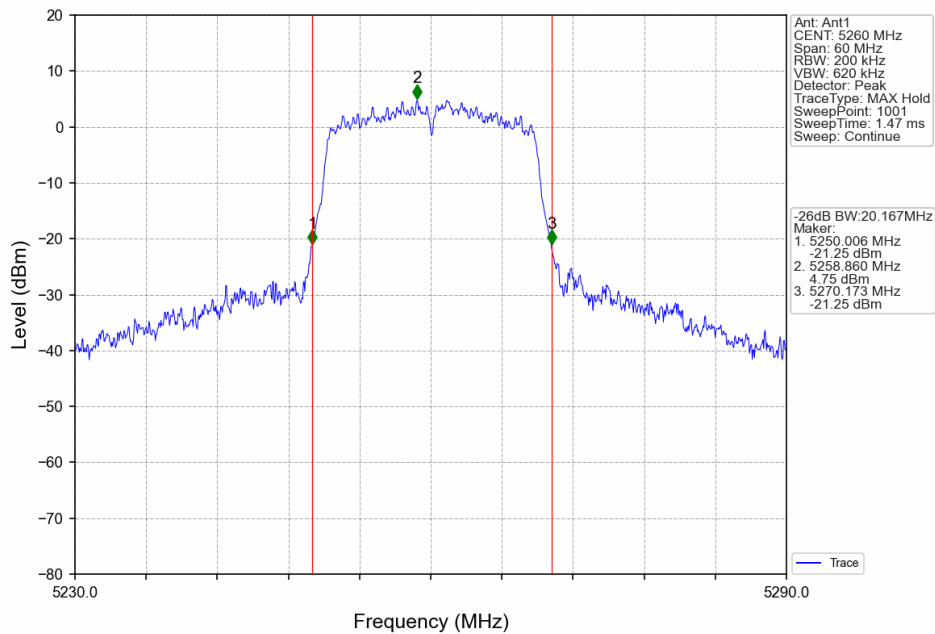
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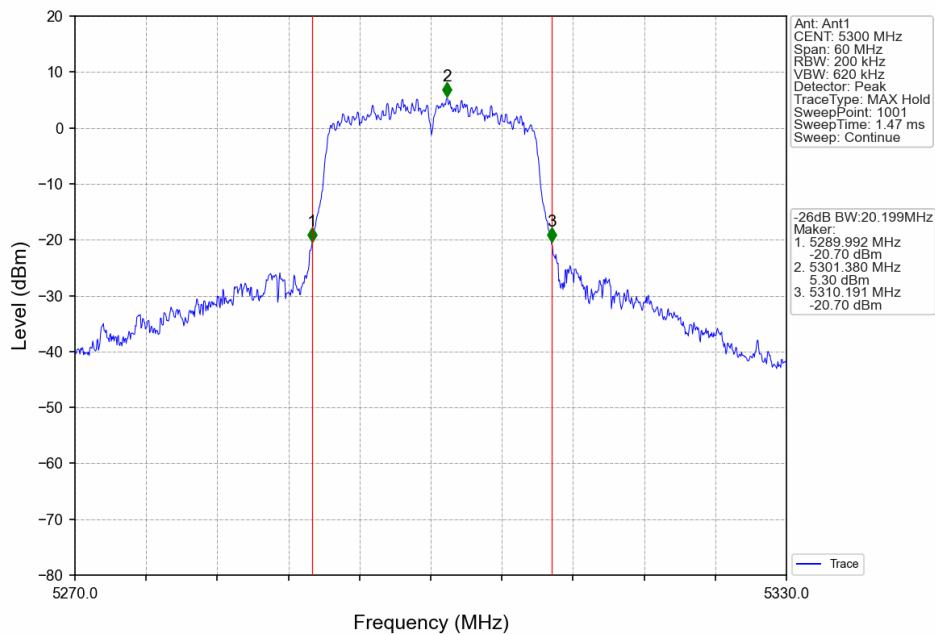
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### 802.11n(HT20)\_LCH\_5260MHz\_Ant1\_NTNV



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



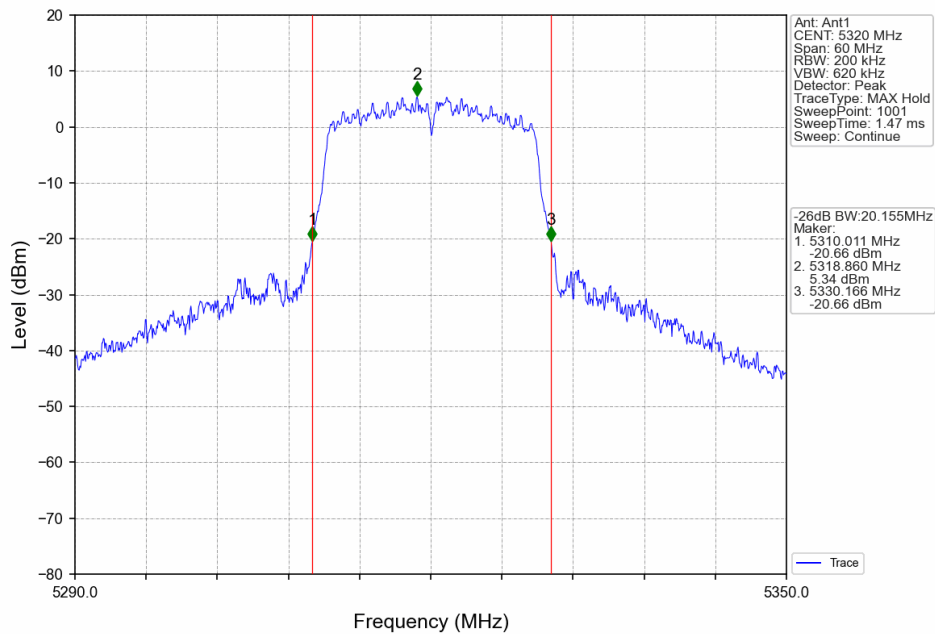
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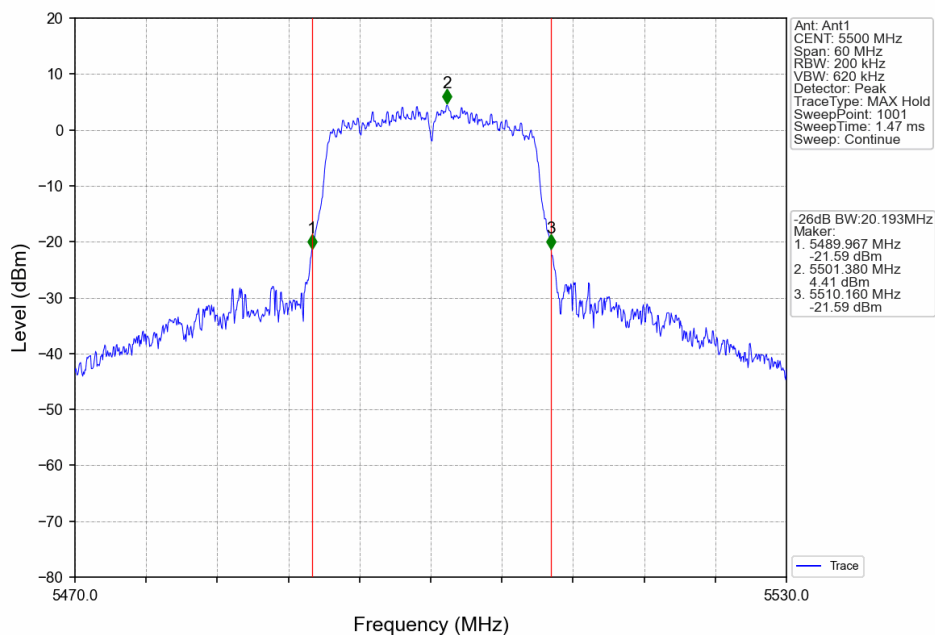
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802.11n(HT20)\_HCH\_5320MHz\_Ant1\_NTNV

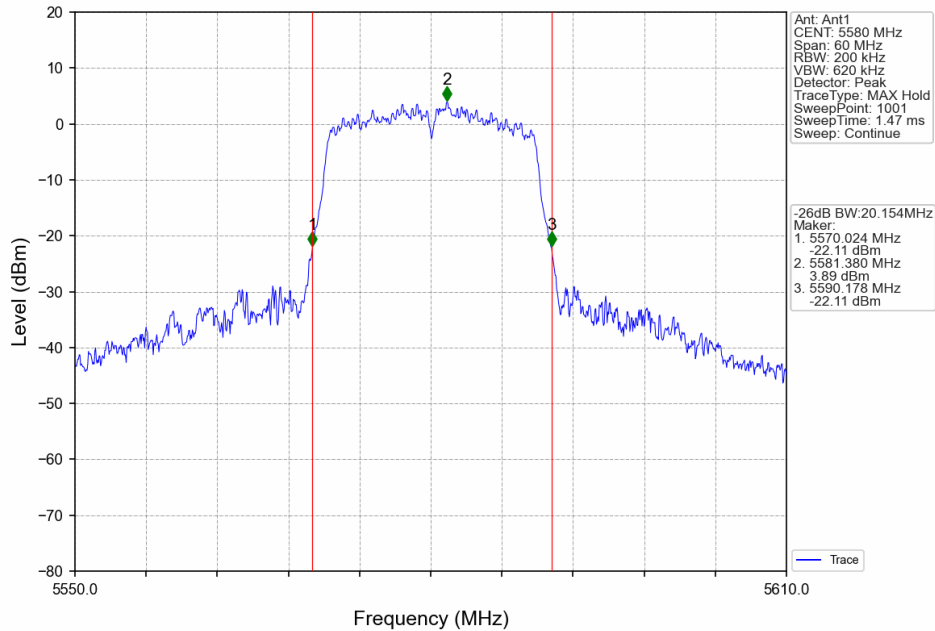


802.11n(HT20)\_LCH\_5500MHz\_Ant1\_NTNV

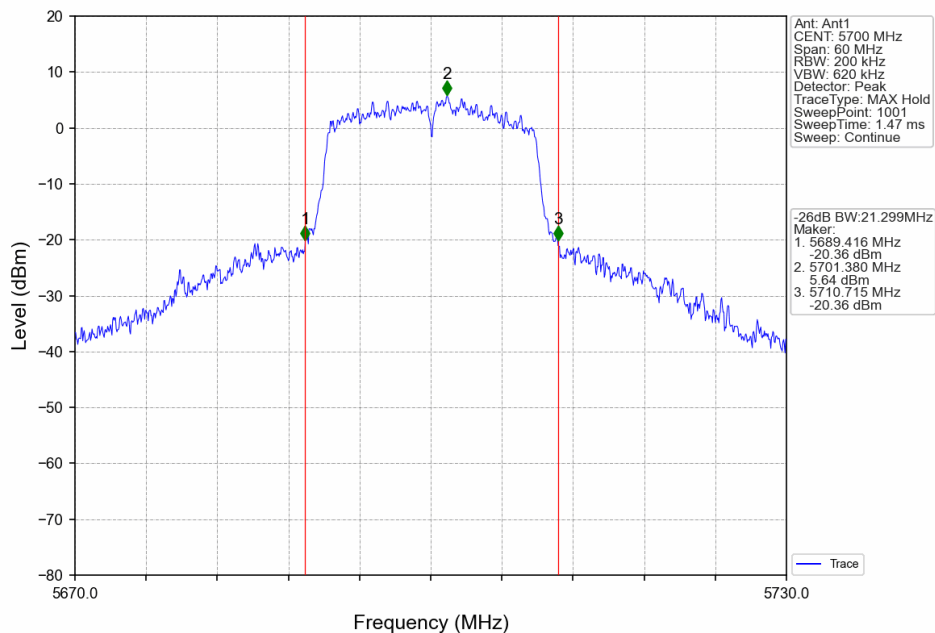




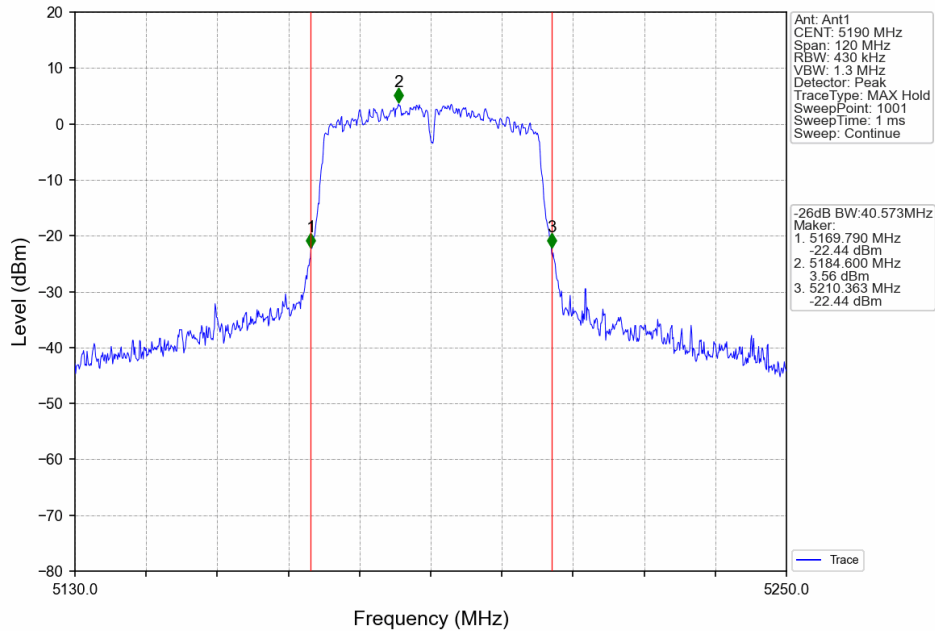
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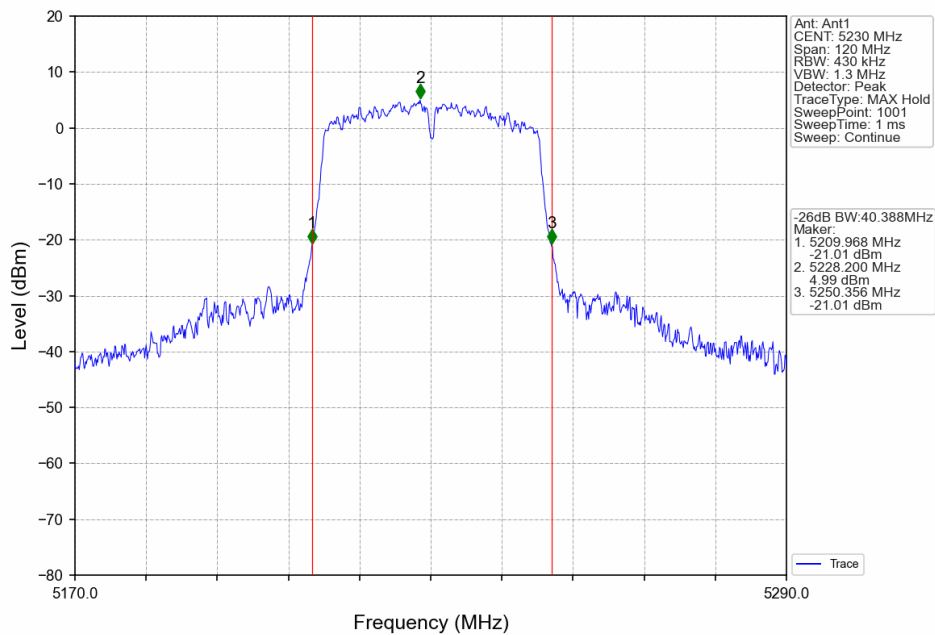
### 802.11n(HT20)\_HCH\_5700MHz\_Ant1\_NTNV



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



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



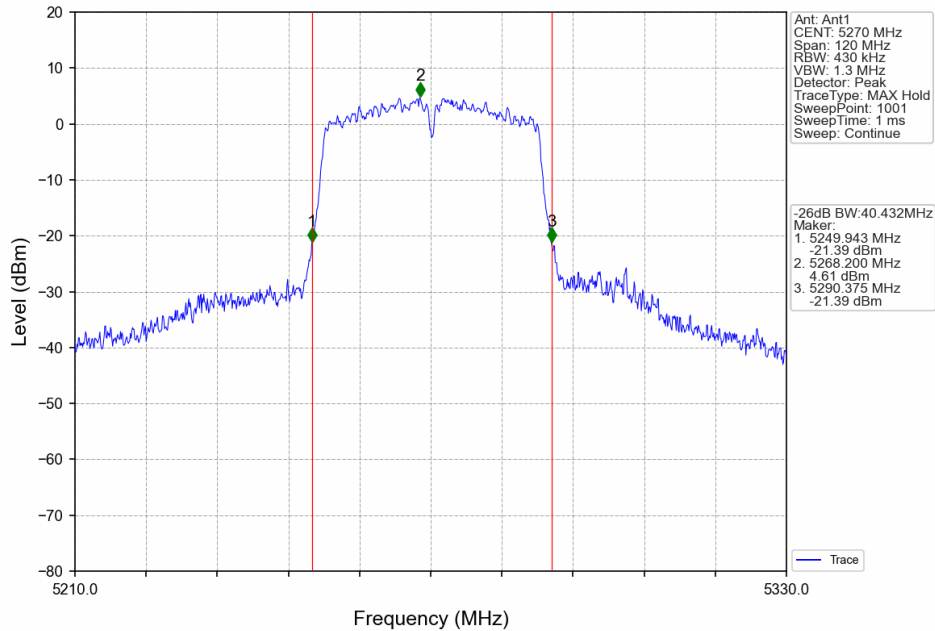
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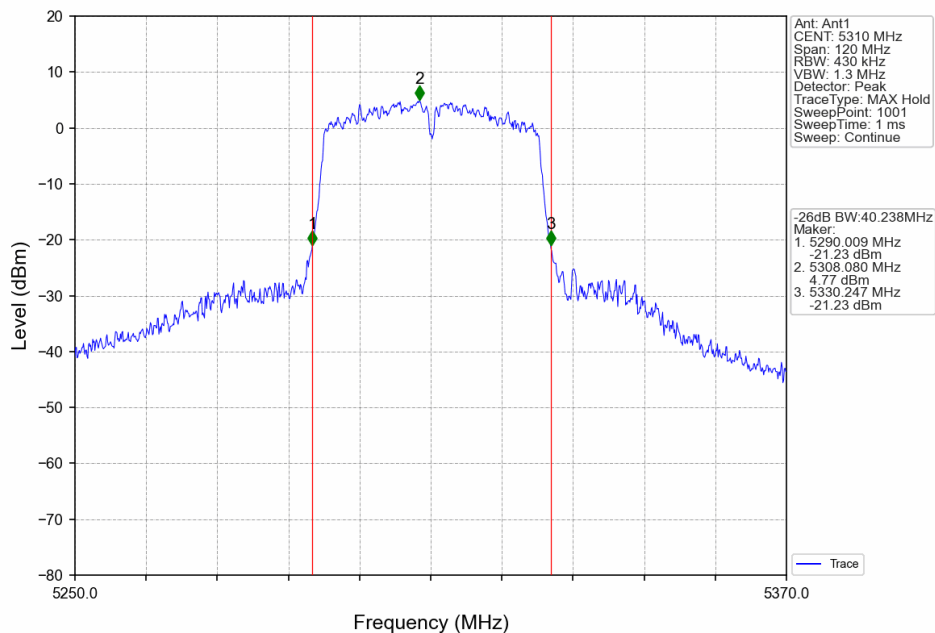
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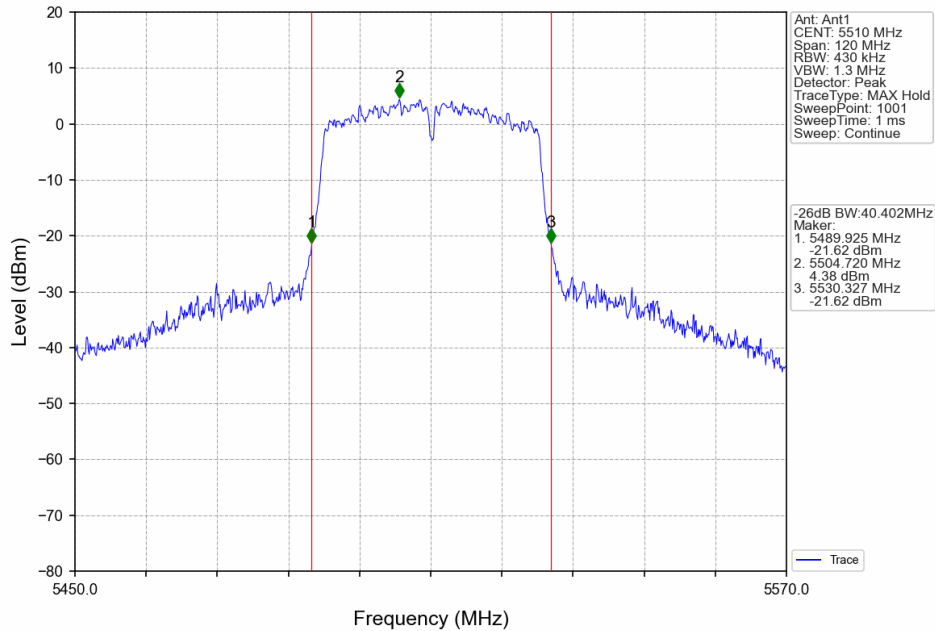
### 802.11n(HT40)\_LCH\_5270MHz\_Ant1\_NTNV



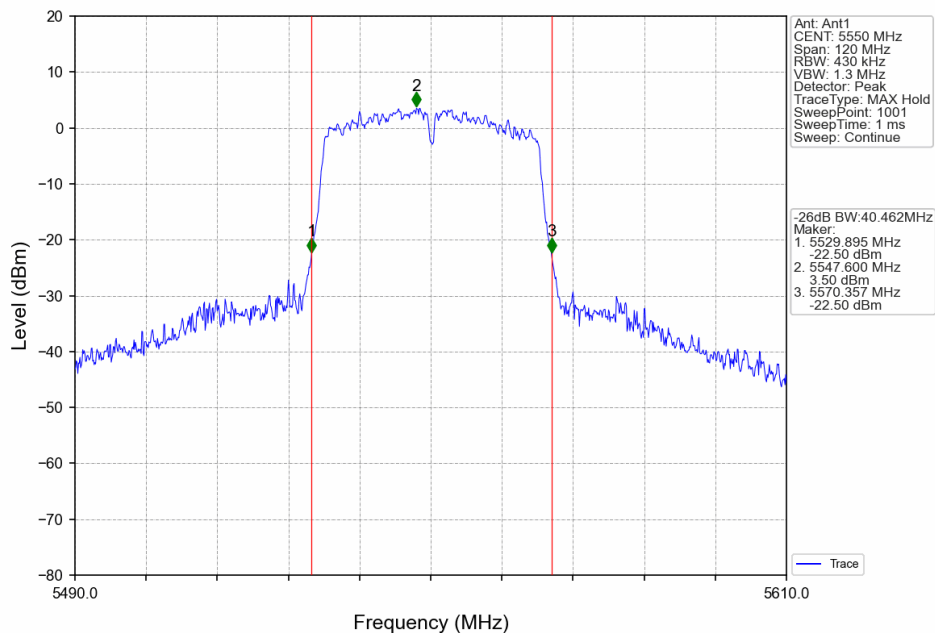
### 802.11n(HT40)\_HCH\_5310MHz\_Ant1\_NTNV



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



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



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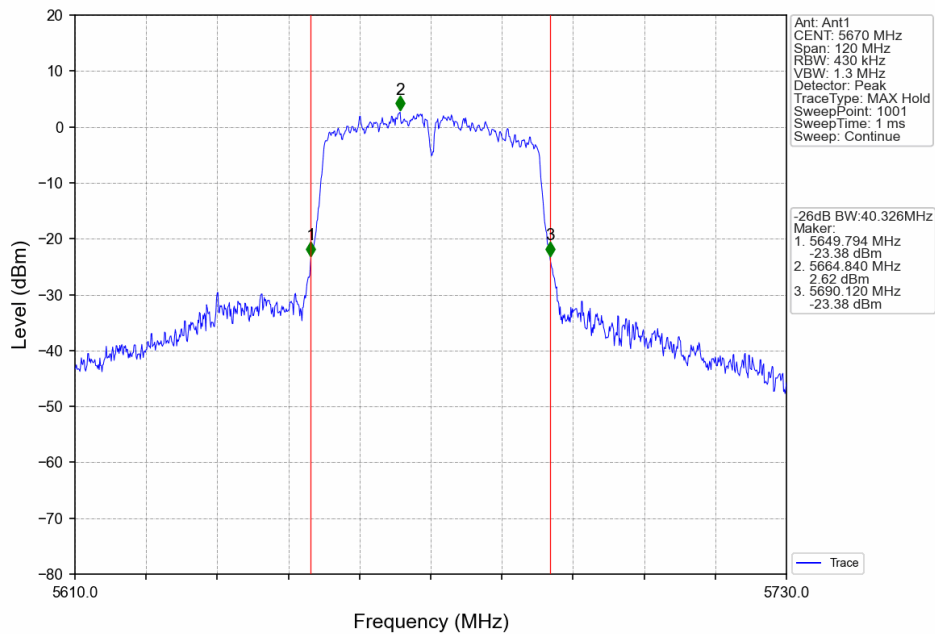
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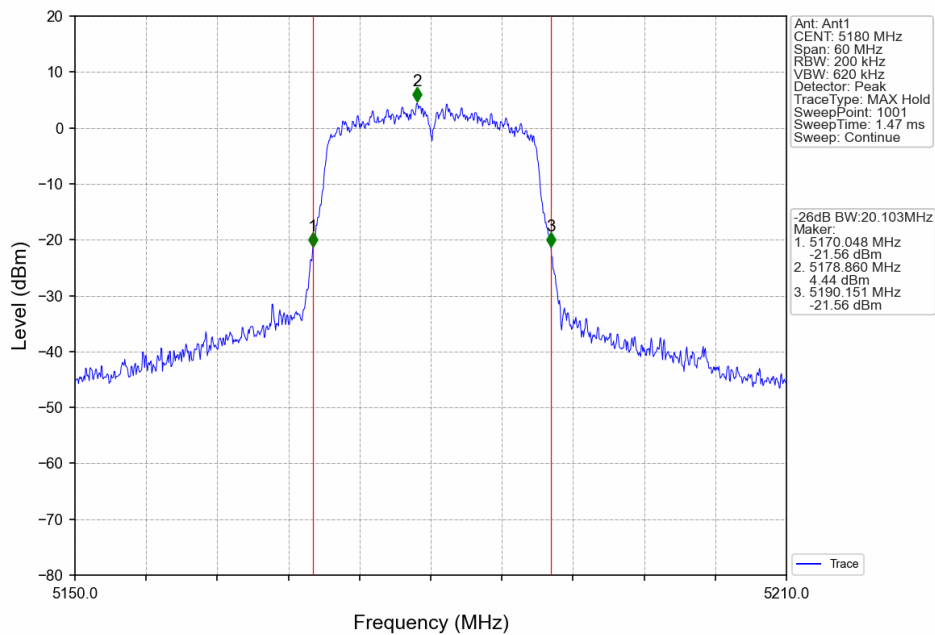
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### 802.11n(HT40)\_HCH\_5670MHz\_Ant1\_NTNV



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



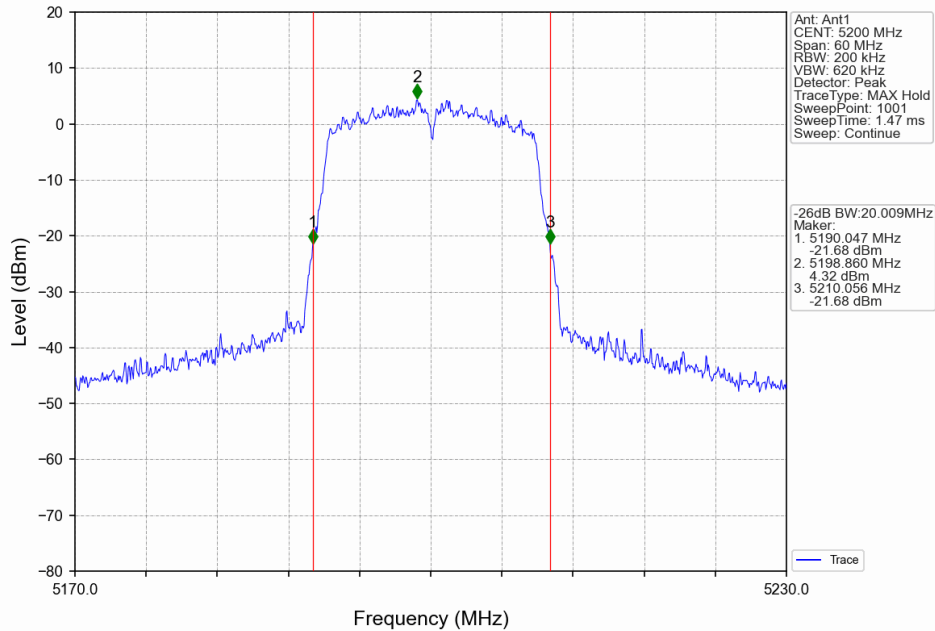
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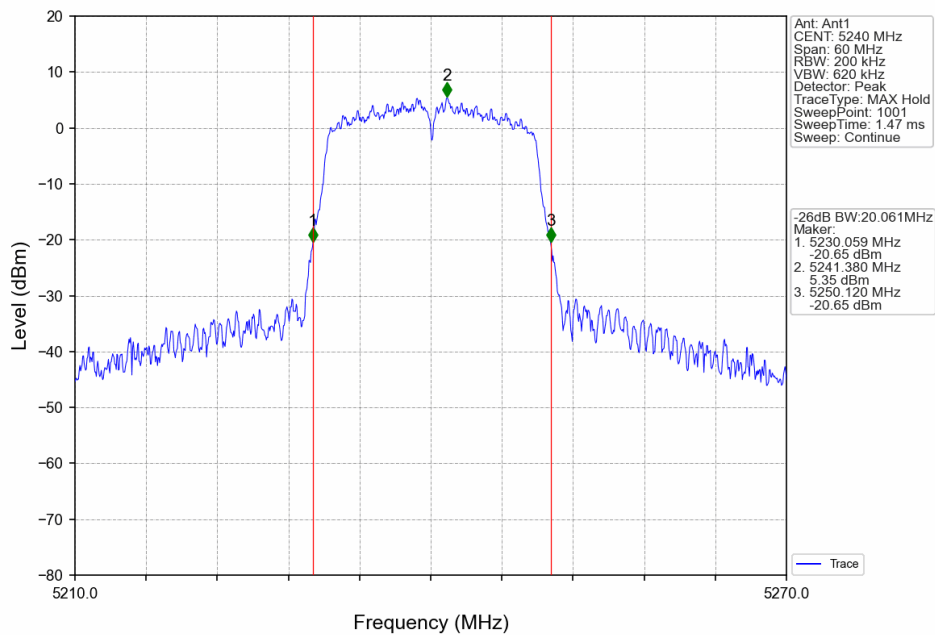
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### 802.11ac(VHT20)\_MCH\_5200MHz\_Ant1\_NTNV



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



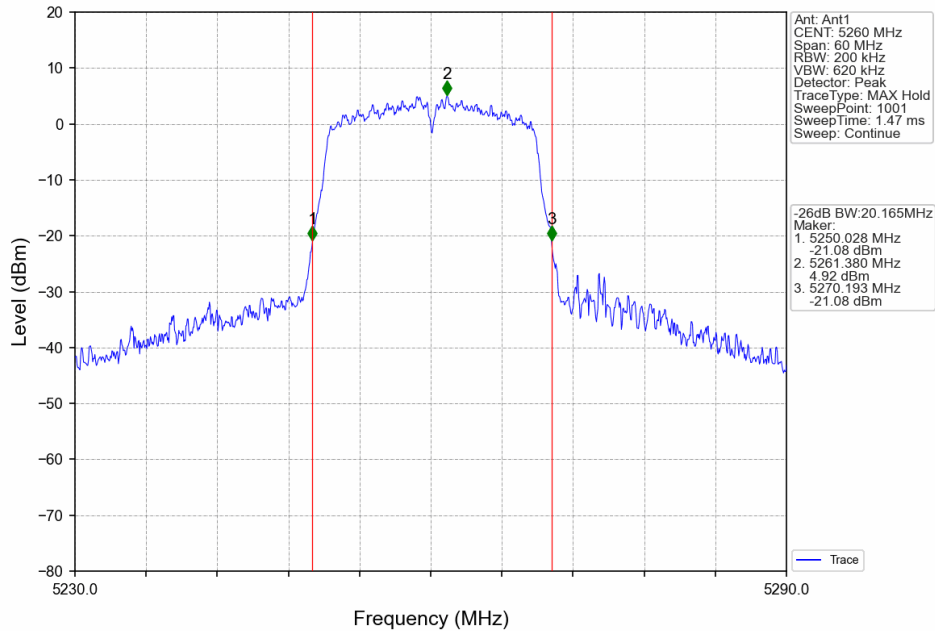
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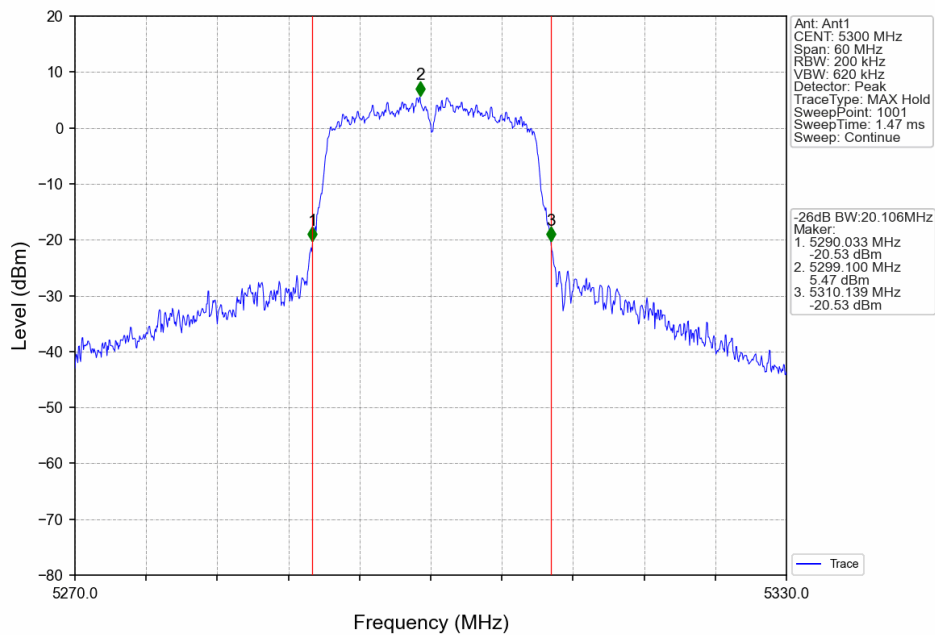
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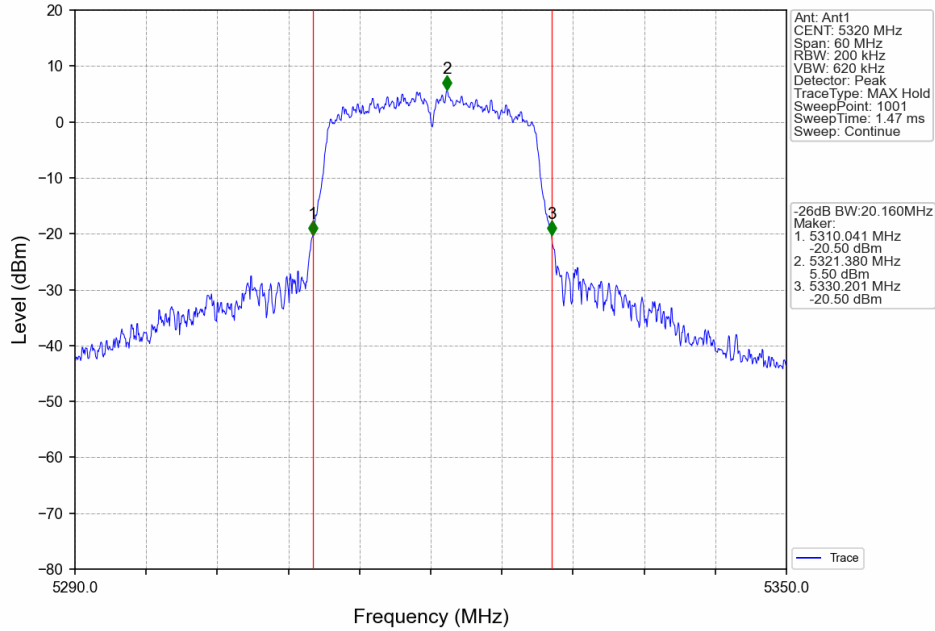
802.11ac(VHT20)\_LCH\_5260MHz\_Ant1\_NTNV



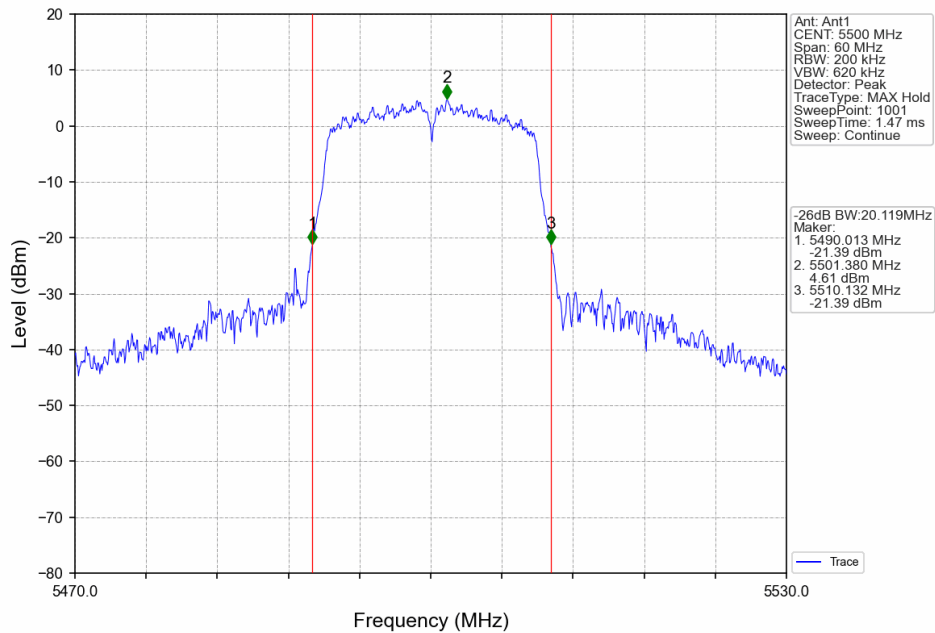
802.11ac(VHT20)\_MCH\_5300MHz\_Ant1\_NTNV



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

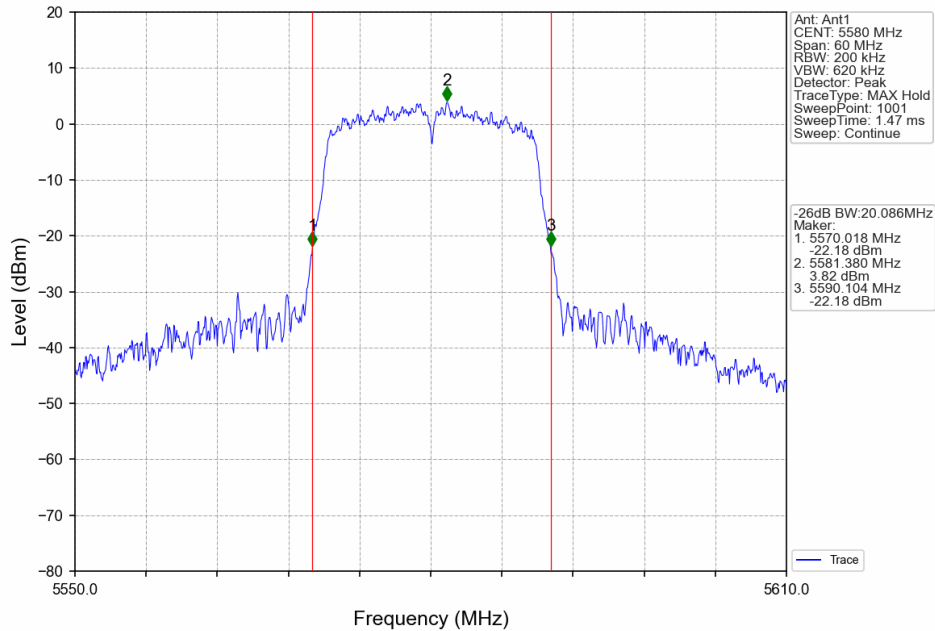


802.11ac(VHT20)\_LCH\_5500MHz\_Ant1\_NTNV

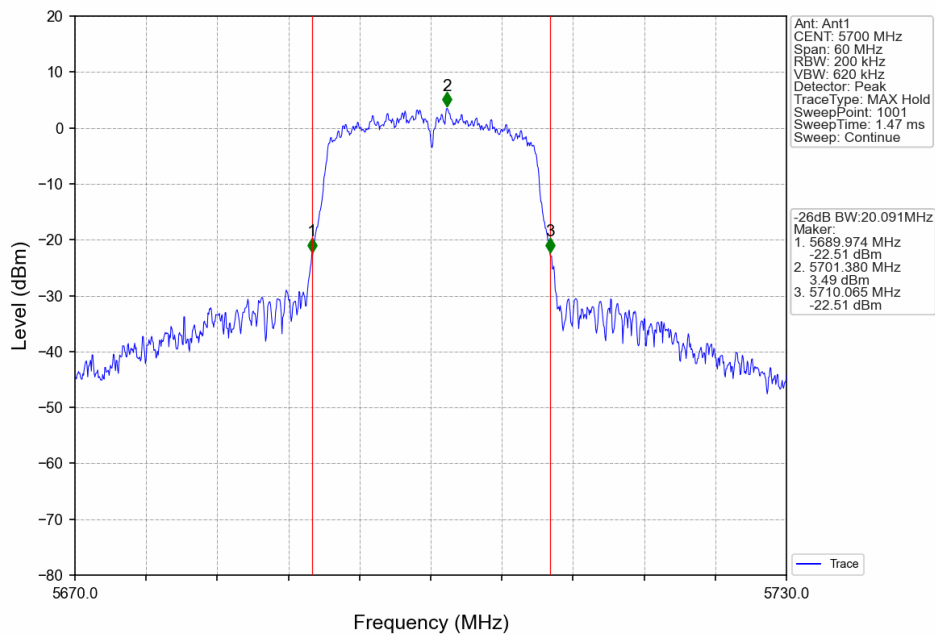




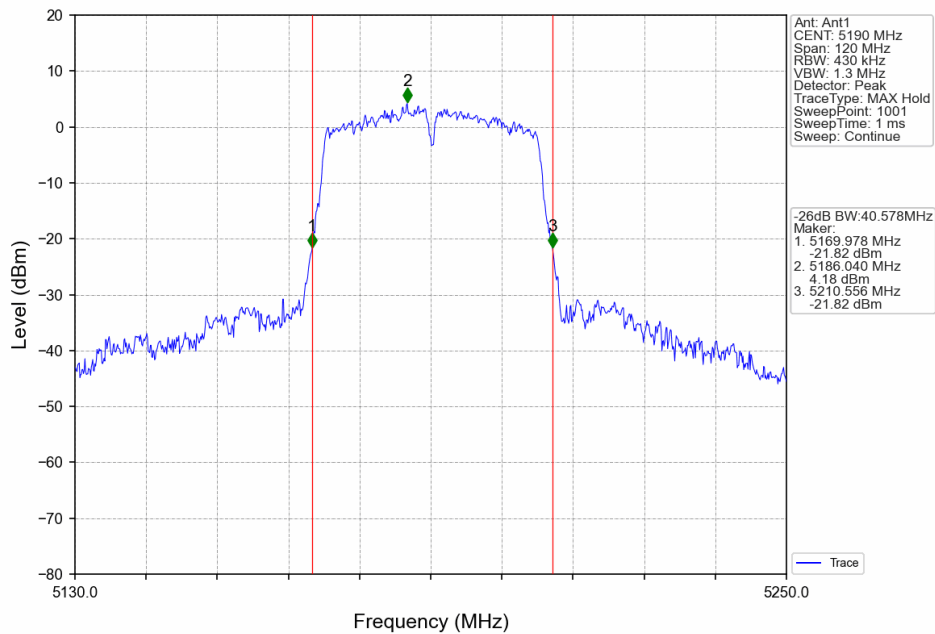
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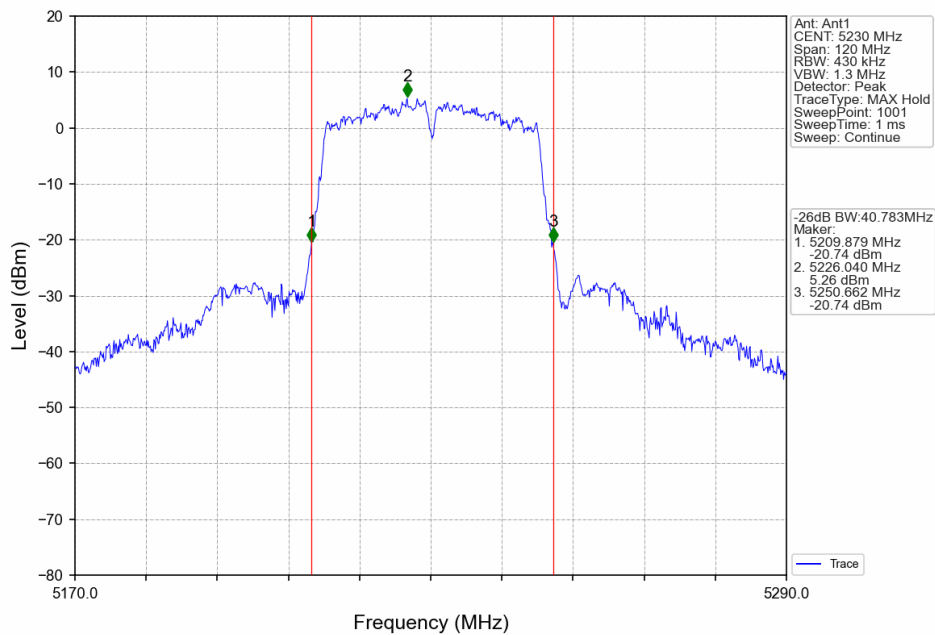
### 802.11ac(VHT20)\_HCH\_5700MHz\_Ant1\_NTNV



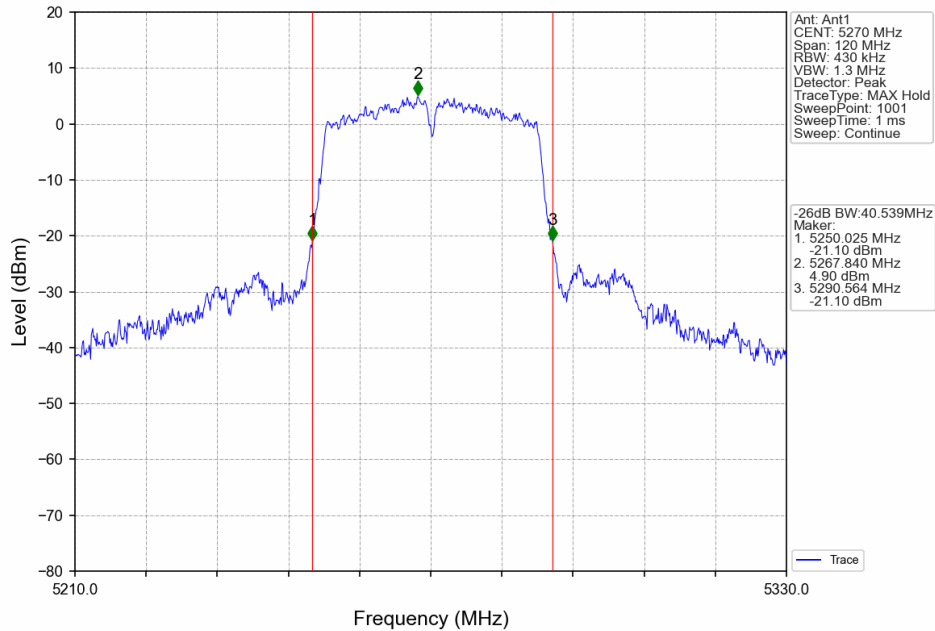
802.11ac(VHT40)\_LCH\_5190MHz\_Ant1\_NTNV



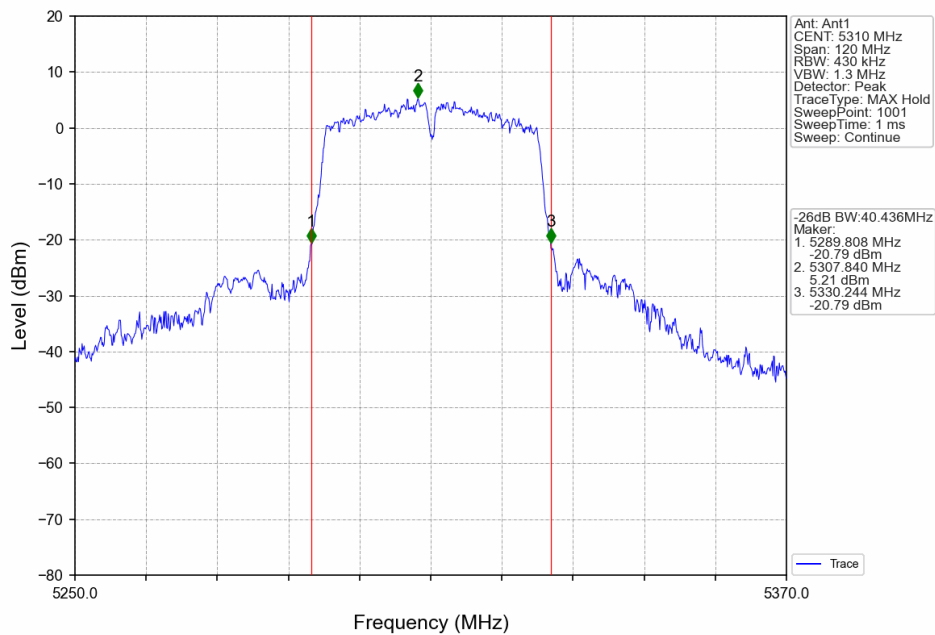
802.11ac(VHT40)\_HCH\_5230MHz\_Ant1\_NTNV



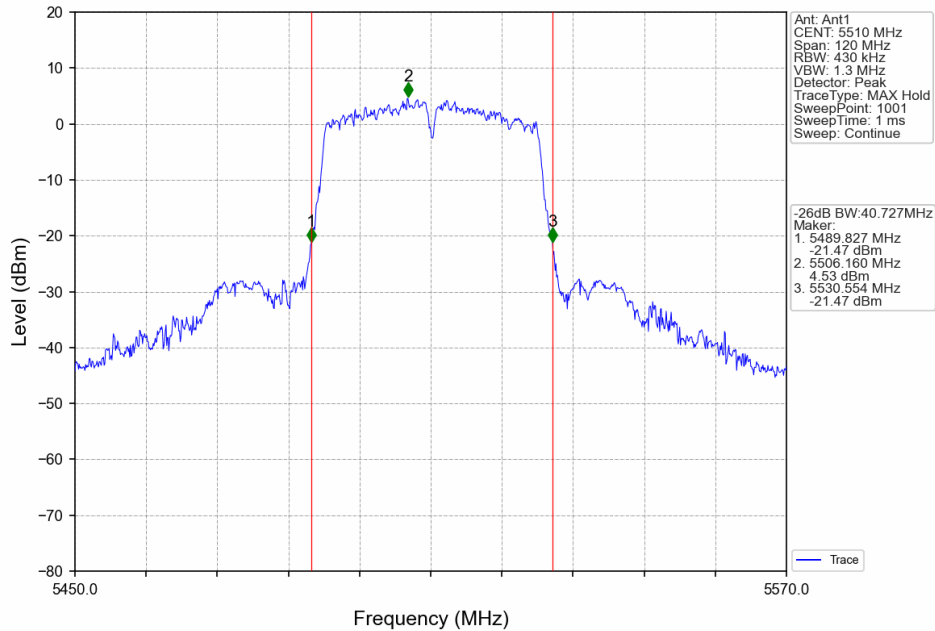
802.11ac(VHT40)\_LCH\_5270MHz\_Ant1\_NTNV



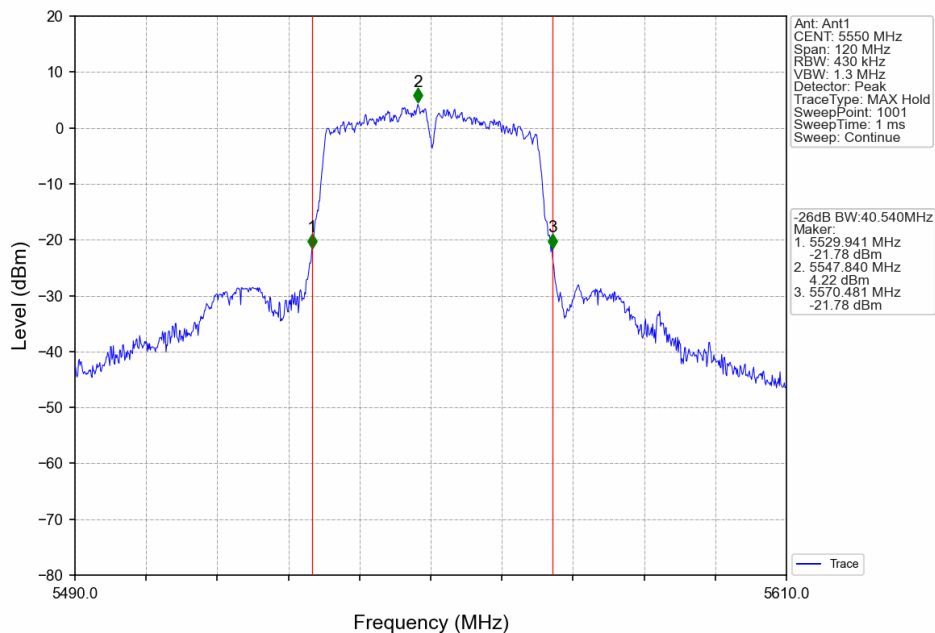
802.11ac(VHT40)\_HCH\_5310MHz\_Ant1\_NTNV



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

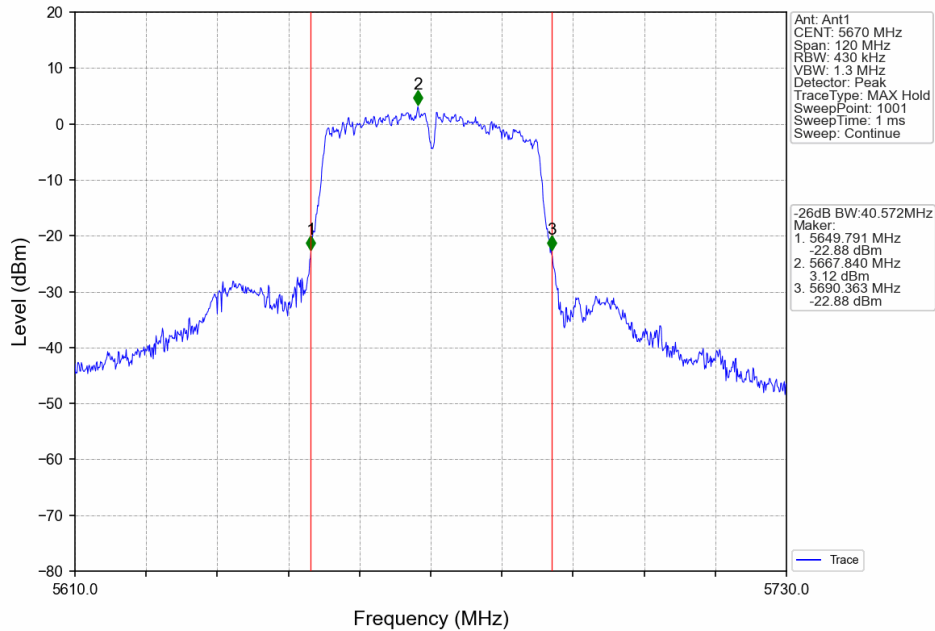


802.11ac(VHT40)\_MCH\_5550MHz\_Ant1\_NTNV

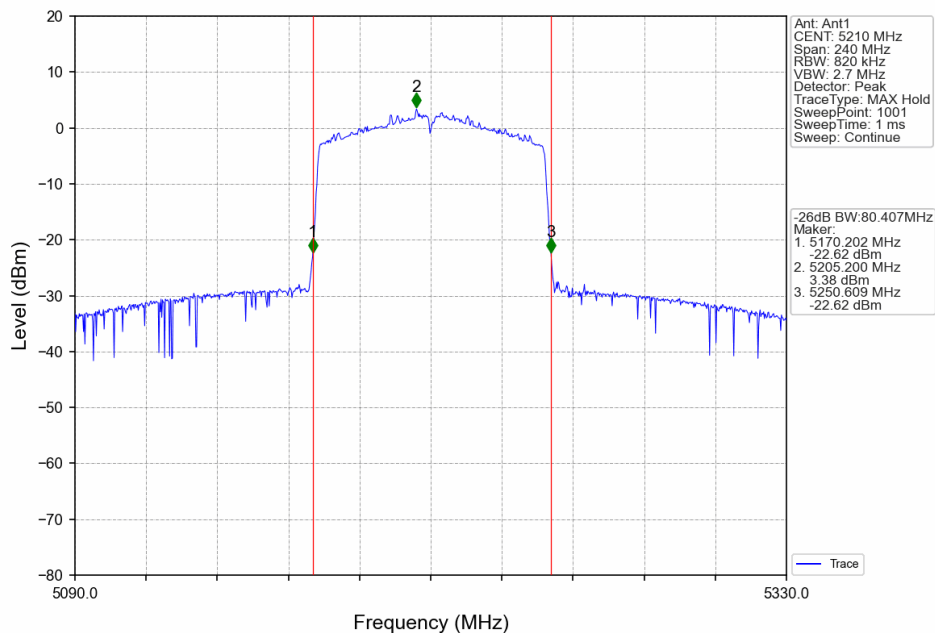




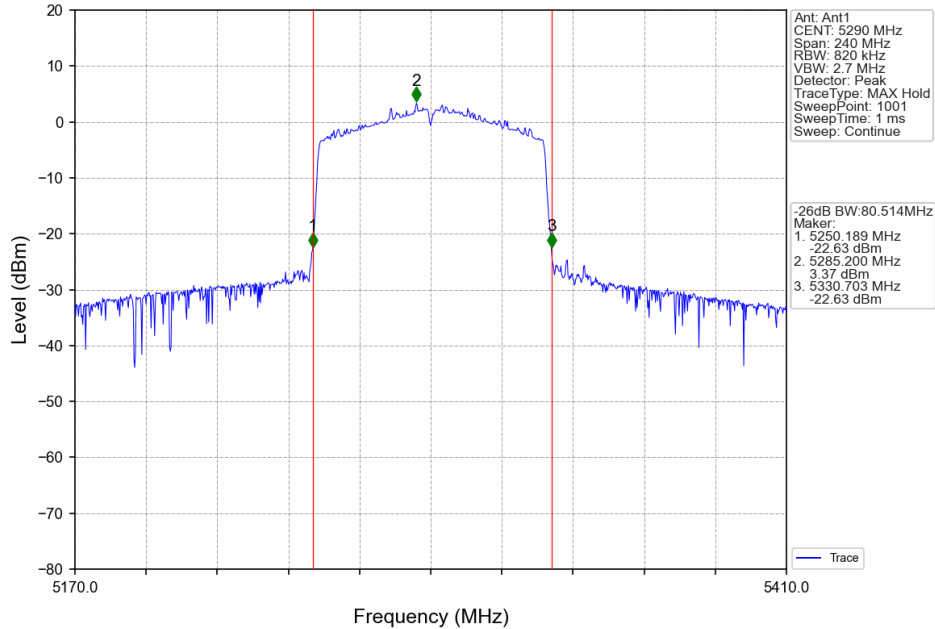
802.11ac(VHT40)\_HCH\_5670MHz\_Ant1\_NTNV



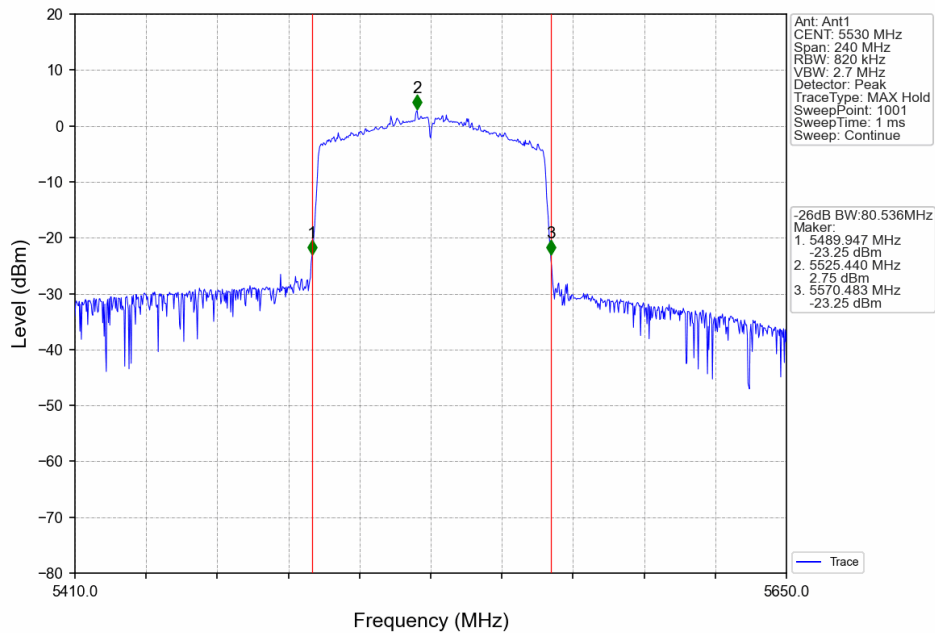
802.11ac(VHT80)\_MCH\_5210MHz\_Ant1\_NTNV



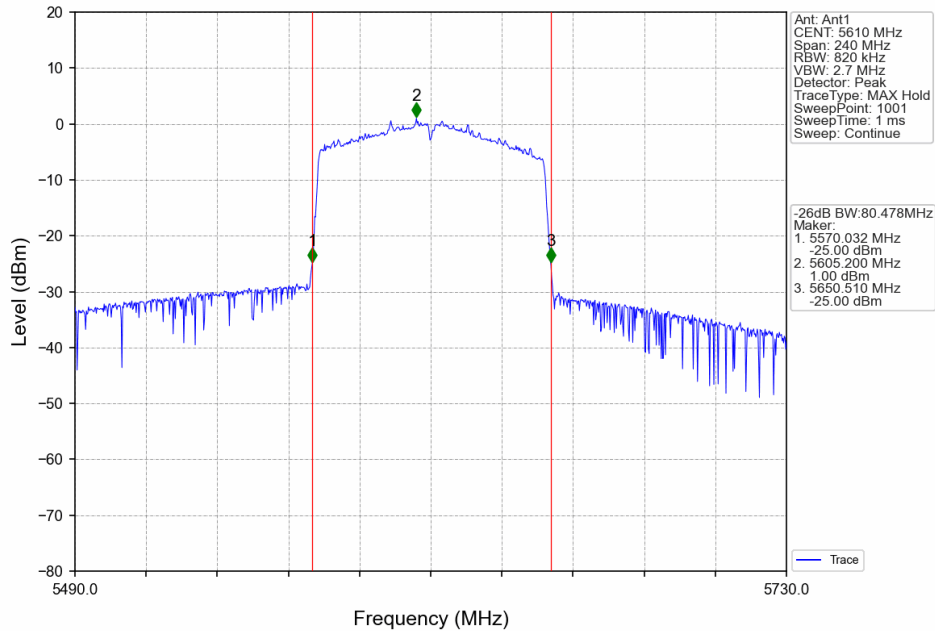
802.11ac(VHT80)\_MCH\_5290MHz\_Ant1\_NTNV



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



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



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## 3. Maximum Conducted Output Power

### 3.1 Power

#### 3.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)				Verdict
			ANT1	ANT2	MIMO	Limit	
802.11a	SISO	5180	16.33	15.17	/	<=30	Pass
		5200	16.13	15.17	/	<=30	Pass
		5240	16.60	15.43	/	<=30	Pass
		5260	16.75	15.64	/	<=23.98	Pass
		5300	17.17	16.31	/	<=23.98	Pass
		5320	17.21	16.27	/	<=23.98	Pass
		5500	16.40	16.08	/	<=23.98	Pass
		5580	15.65	16.11	/	<=23.98	Pass
		5700	15.33	15.67	/	<=23.98	Pass
		5745	15.46	15.11	/	<=30	Pass
		5785	15.59	15.20	/	<=30	Pass
		5825	16.59	15.60	/	<=30	Pass
802.11n (HT20)	MIMO	5180	13.58	12.56	16.11	<=30	Pass
		5200	13.38	12.41	15.93	<=30	Pass
		5240	14.29	12.75	16.60	<=30	Pass
		5260	14.06	12.92	16.54	<=23.98	Pass
		5300	14.51	13.45	17.02	<=23.98	Pass
		5320	14.55	13.52	17.08	<=23.98	Pass
		5500	13.70	13.49	16.61	<=23.98	Pass
		5580	12.82	13.43	16.15	<=23.98	Pass
		5700	12.37	12.80	15.60	<=23.98	Pass
		5745	12.71	12.21	15.48	<=30	Pass
		5785	12.68	12.30	15.50	<=30	Pass
		5825	13.75	12.85	16.33	<=30	Pass
802.11n (HT40)	MIMO	5190	13.41	12.56	16.02	<=30	Pass
		5230	14.27	12.70	16.57	<=30	Pass
		5270	14.25	13.28	16.80	<=23.98	Pass
		5310	14.62	13.66	17.18	<=23.98	Pass
		5510	13.78	13.58	16.69	<=23.98	Pass
		5550	13.11	13.60	16.37	<=23.98	Pass
		5670	12.24	12.68	15.48	<=23.98	Pass



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		5755	12.80	12.50	15.66	<=30	Pass
		5795	13.03	12.77	15.91	<=30	Pass
802.11ac (VHT20)	MIMO	5180	13.53	12.27	15.96	<=30	Pass
		5200	13.44	12.24	15.89	<=30	Pass
		5240	14.40	12.62	16.61	<=30	Pass
		5260	14.08	12.65	16.43	<=23.98	Pass
		5300	14.56	13.22	16.95	<=23.98	Pass
		5320	14.60	13.27	17.00	<=23.98	Pass
		5500	13.70	13.25	16.49	<=23.98	Pass
		5580	12.83	13.20	16.03	<=23.98	Pass
		5700	12.45	12.77	15.62	<=23.98	Pass
		5745	12.71	12.28	15.51	<=30	Pass
		5785	12.72	12.13	15.45	<=30	Pass
		5825	13.76	12.65	16.25	<=30	Pass
802.11ac (VHT40)	MIMO	5190	13.55	12.60	16.11	<=30	Pass
		5230	14.32	12.72	16.60	<=30	Pass
		5270	14.23	13.10	16.71	<=23.98	Pass
		5310	14.63	13.54	17.13	<=23.98	Pass
		5510	13.91	13.65	16.79	<=23.98	Pass
		5550	13.32	13.62	16.48	<=23.98	Pass
		5670	12.28	12.74	15.53	<=23.98	Pass
		5755	12.85	12.45	15.66	<=30	Pass
802.11ac (VHT80)	MIMO	5795	13.13	12.75	15.95	<=30	Pass
		5210	14.45	12.61	16.64	<=30	Pass
		5290	14.40	13.20	16.85	<=23.98	Pass
		5530	13.14	13.74	16.46	<=23.98	Pass
		5610	12.10	13.04	15.61	<=23.98	Pass
		5775	12.65	12.40	15.54	<=30	Pass

Note1: Antenna Gain: Ant1: 3.59dBi; Ant2: 3.59dBi;  
Note2: Directional Gain: 3.59dBi

## 4. Maximum Power Spectral Density

### 4.1 PSD

#### 4.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/MHz)				Verdict
			ANT1	ANT2	MIMO	Limit	
802.11a	SISO	5180	6.01	4.79	/	<=17	Pass
		5200	5.76	4.79	/	<=17	Pass



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		5240	6.35	5.18	/	<=17	Pass
		5260	6.52	5.23	/	<=11	Pass
		5300	7.07	6.04	/	<=11	Pass
		5320	6.86	6.10	/	<=11	Pass
		5500	6.12	5.79	/	<=11	Pass
		5580	5.35	5.66	/	<=11	Pass
		5700	4.97	5.28	/	<=11	Pass
802.11n (HT20)	MIMO	5180	3.08	2.31	5.71	<=16.4	Pass
		5200	2.72	2.08	5.40	<=16.4	Pass
		5240	3.88	2.56	6.16	<=16.4	Pass
		5260	3.46	2.72	6.12	<=10.4	Pass
		5300	3.92	3.15	6.42	<=10.4	Pass
		5320	3.97	3.16	6.58	<=10.4	Pass
		5500	3.30	3.30	6.21	<=10.4	Pass
		5580	2.31	3.04	5.60	<=10.4	Pass
		5700	1.97	2.58	5.17	<=10.4	Pass
802.11n (HT40)	MIMO	5190	0.11	-0.80	2.67	<=16.4	Pass
		5230	0.90	-0.71	3.09	<=16.4	Pass
		5270	0.87	-0.15	3.32	<=10.4	Pass
		5310	1.30	0.33	3.78	<=10.4	Pass
		5510	0.38	0.19	3.22	<=10.4	Pass
		5550	-0.24	0.43	3.01	<=10.4	Pass
		5670	-0.93	-0.66	2.12	<=10.4	Pass
802.11ac (VHT20)	MIMO	5180	3.23	1.76	5.44	<=16.4	Pass
		5200	3.02	1.86	5.41	<=16.4	Pass
		5240	3.79	2.33	6.01	<=16.4	Pass
		5260	3.66	2.28	5.95	<=10.4	Pass
		5300	4.18	2.65	6.36	<=10.4	Pass
		5320	4.18	2.83	6.48	<=10.4	Pass
		5500	3.20	2.77	5.95	<=10.4	Pass
		5580	2.58	2.69	5.53	<=10.4	Pass
		5700	2.14	2.19	5.00	<=10.4	Pass
802.11ac (VHT40)	MIMO	5190	0.26	-0.74	2.73	<=16.4	Pass
		5230	0.82	-0.52	3.17	<=16.4	Pass
		5270	1.02	-0.27	3.29	<=10.4	Pass
		5310	1.44	0.37	3.84	<=10.4	Pass
		5510	0.47	0.36	3.39	<=10.4	Pass
		5550	-0.11	0.30	3.02	<=10.4	Pass
		5670	-0.88	-0.72	2.06	<=10.4	Pass
802.11ac	MIMO	5210	-1.43	-3.20	0.64	<=16.4	Pass



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# SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230700226904

Page: 263 of 365

(VHT80)		5290	-1.56	-2.65	0.86	<=10.4	Pass
		5530	-2.59	-2.24	0.50	<=10.4	Pass
		5610	-3.67	-3.01	-0.39	<=10.4	Pass
<p>Note1: Antenna Gain: Ant1: 3.59dBi; Ant2: 3.59dBi;</p> <p>Note2: Directional Gain: 6.6dBi</p>							



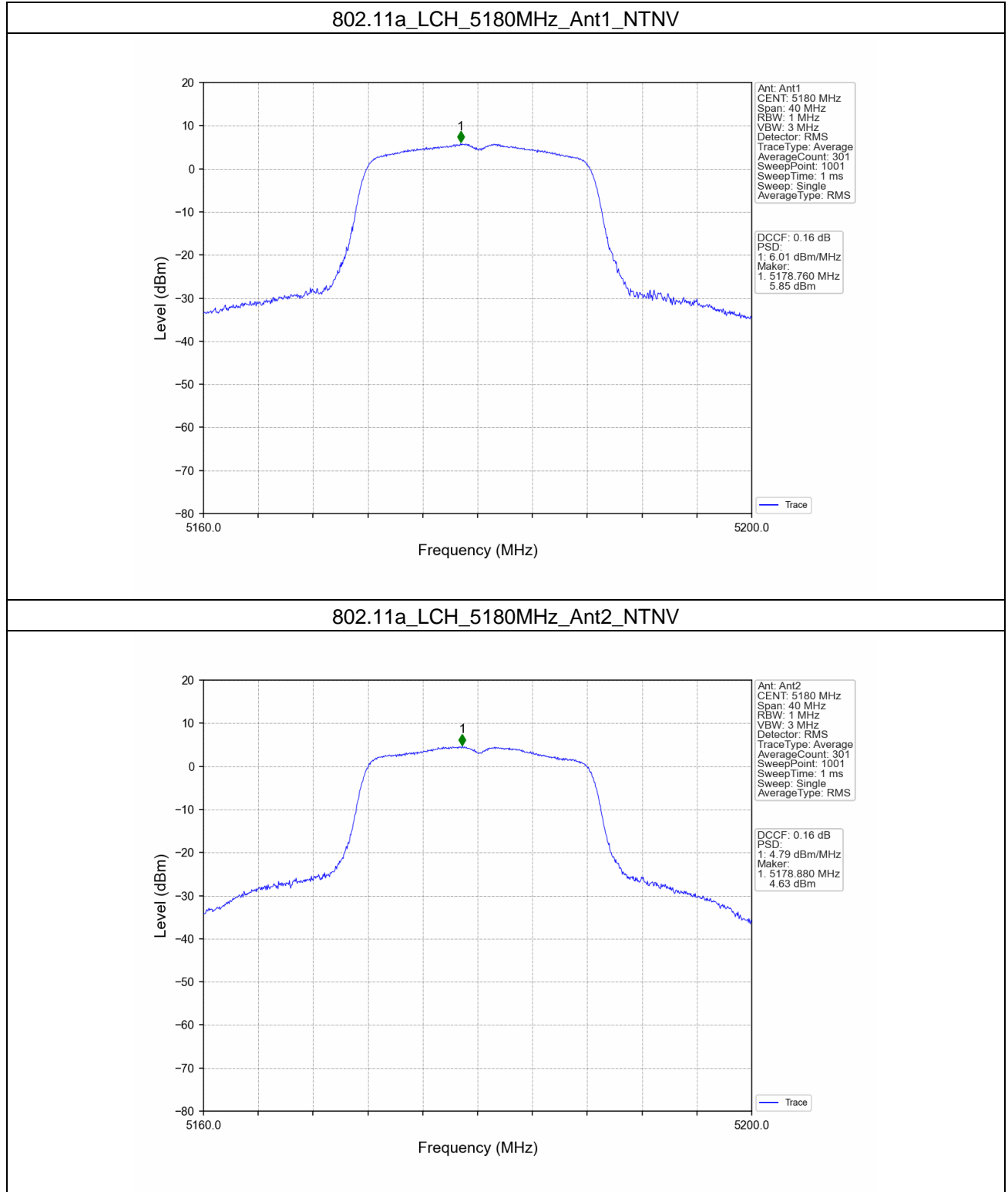
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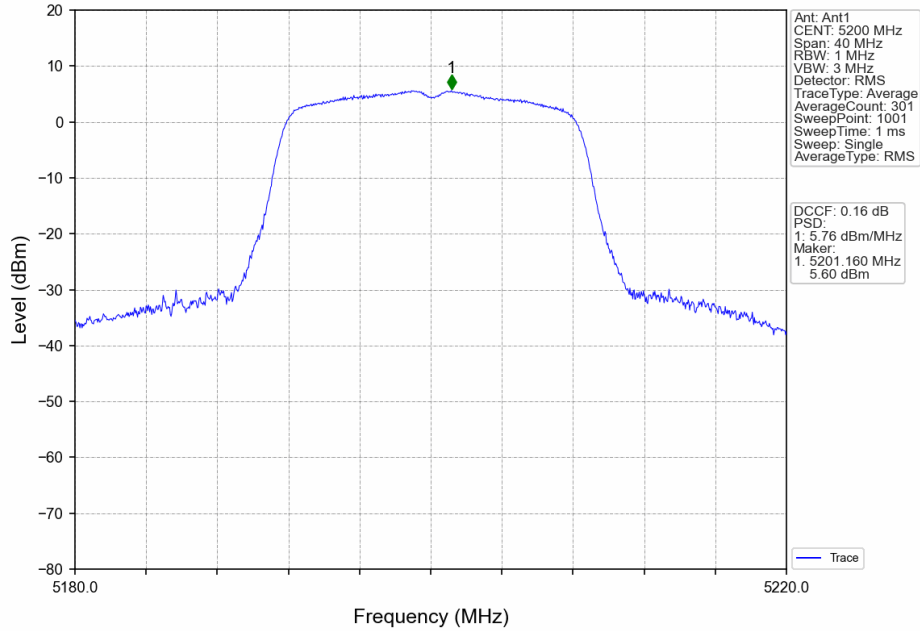
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### 4.1.2 Test Graph

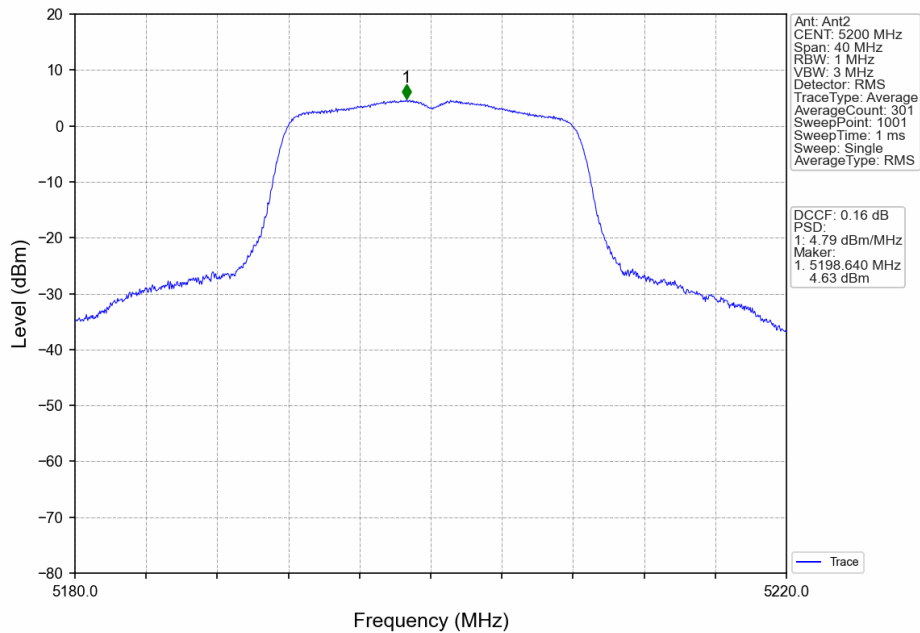




802.11a\_MCH\_5200MHz\_Ant1\_NTNV



802.11a\_MCH\_5200MHz\_Ant2\_NTNV



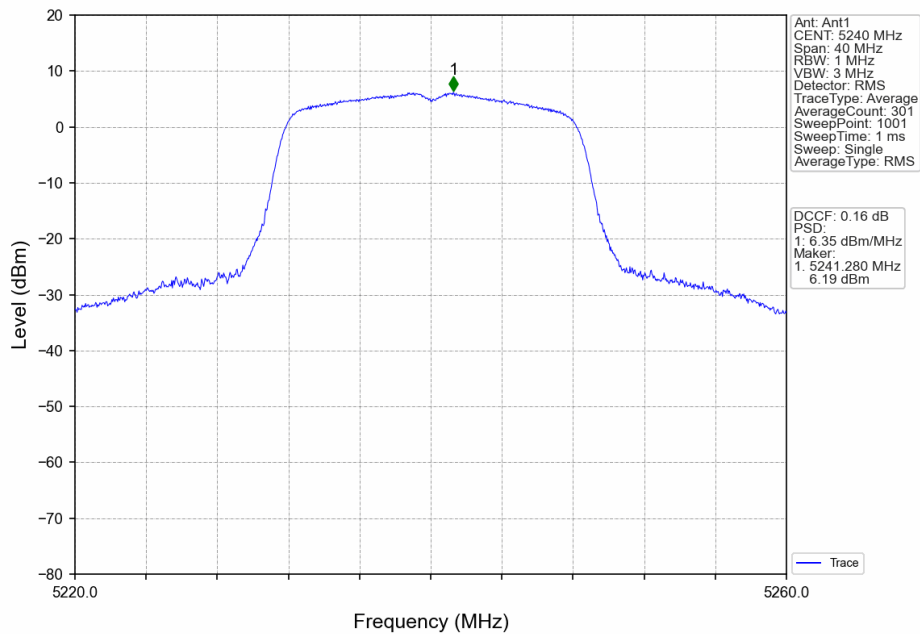
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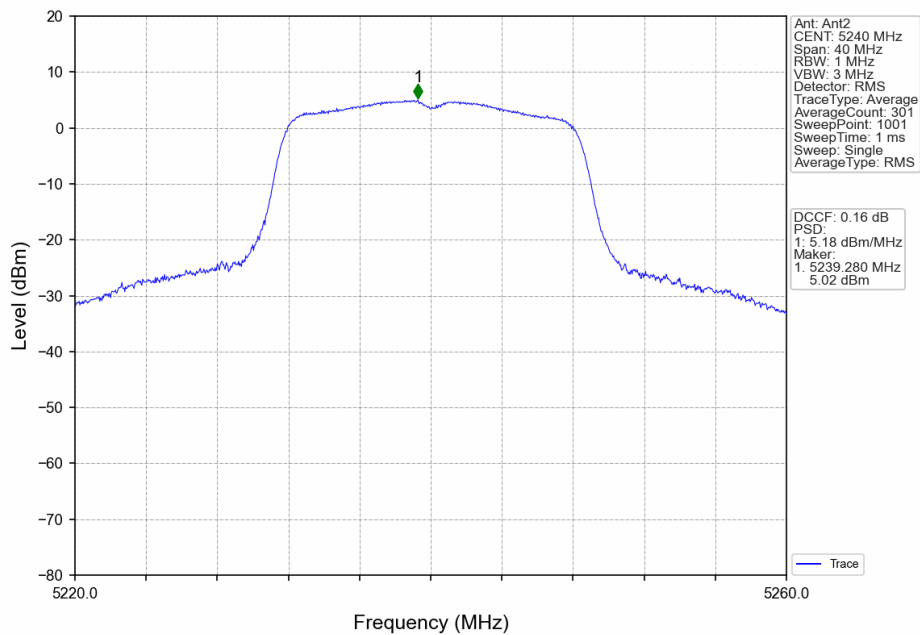
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802.11a\_HCH\_5240MHz\_Ant1\_NTNV



802.11a\_HCH\_5240MHz\_Ant2\_NTNV



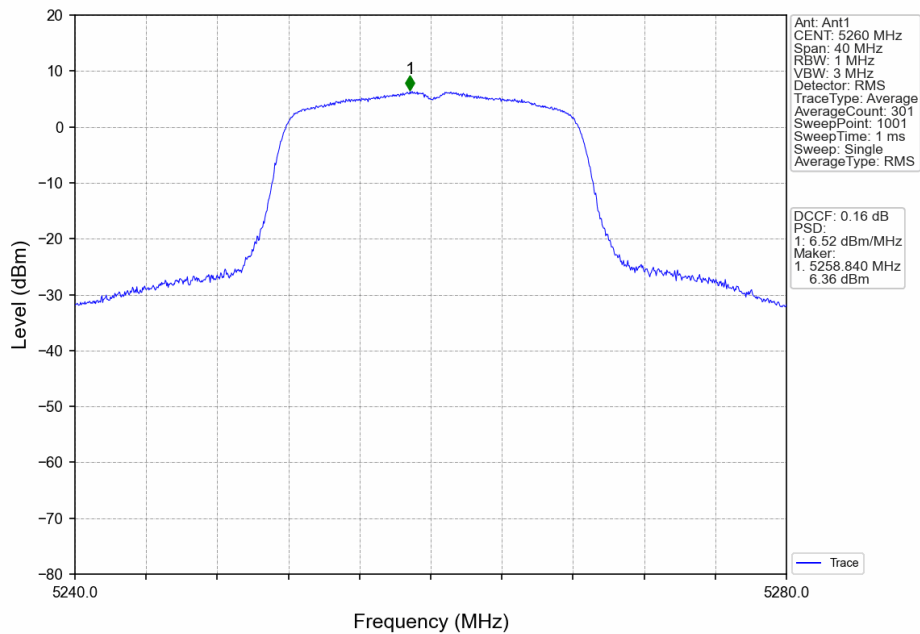
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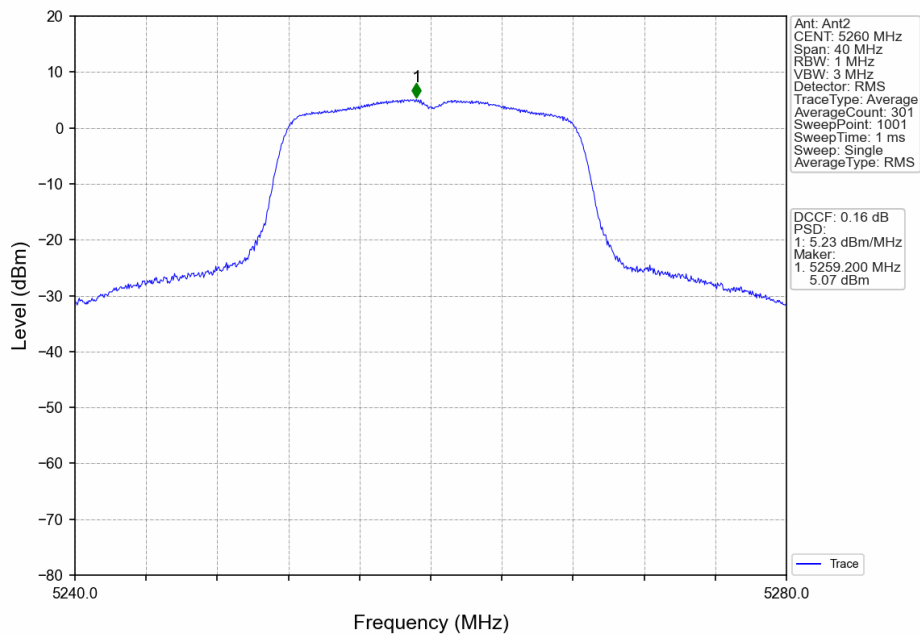
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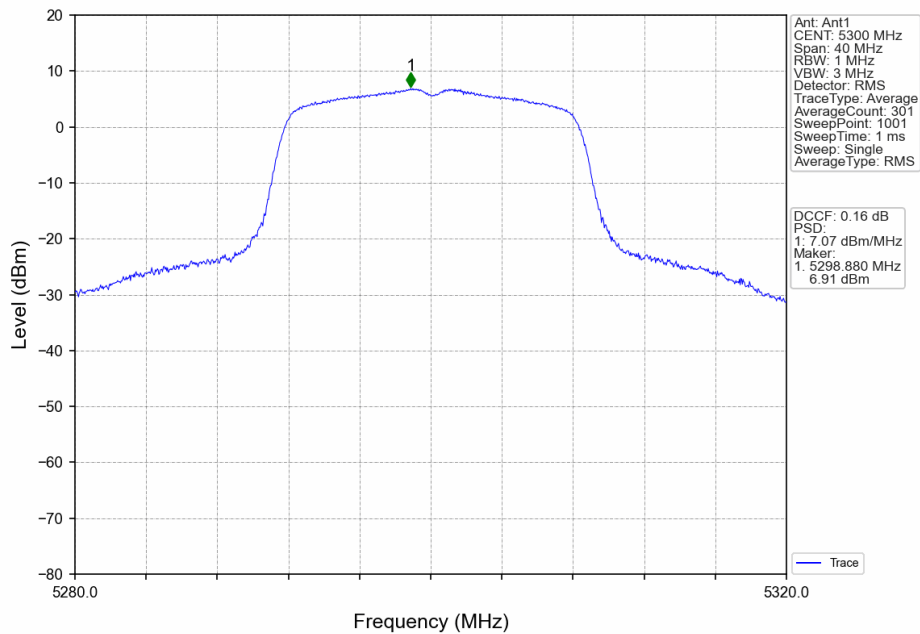
802.11a\_LCH\_5260MHz\_Ant1\_NTNV



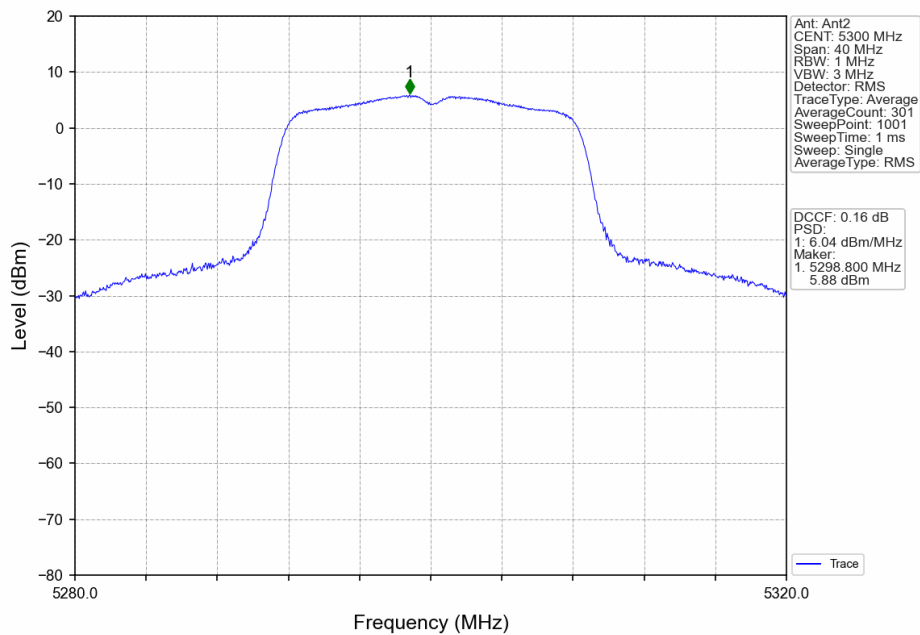
802.11a\_LCH\_5260MHz\_Ant2\_NTNV



802.11a\_MCH\_5300MHz\_Ant1\_NTNV



802.11a\_MCH\_5300MHz\_Ant2\_NTNV



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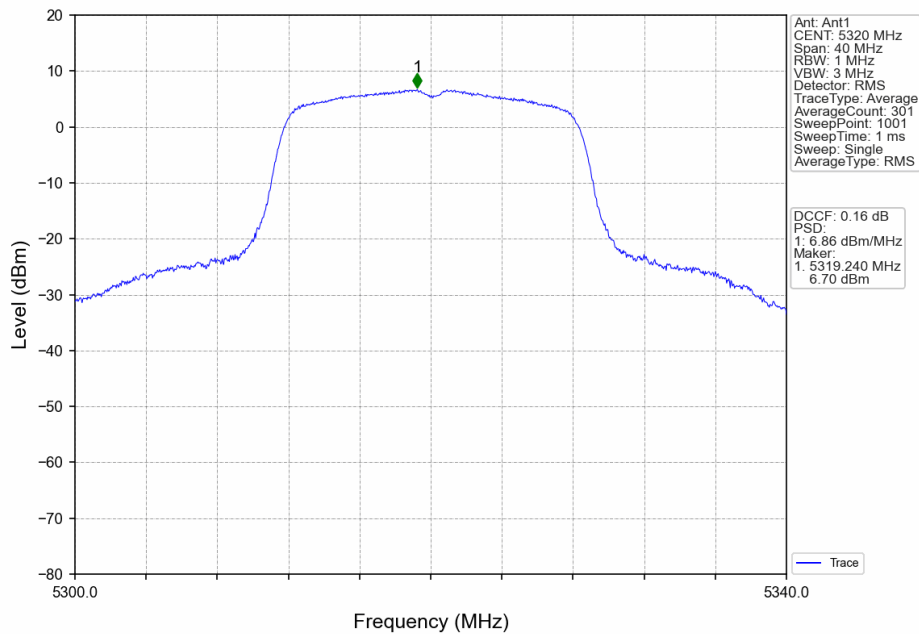
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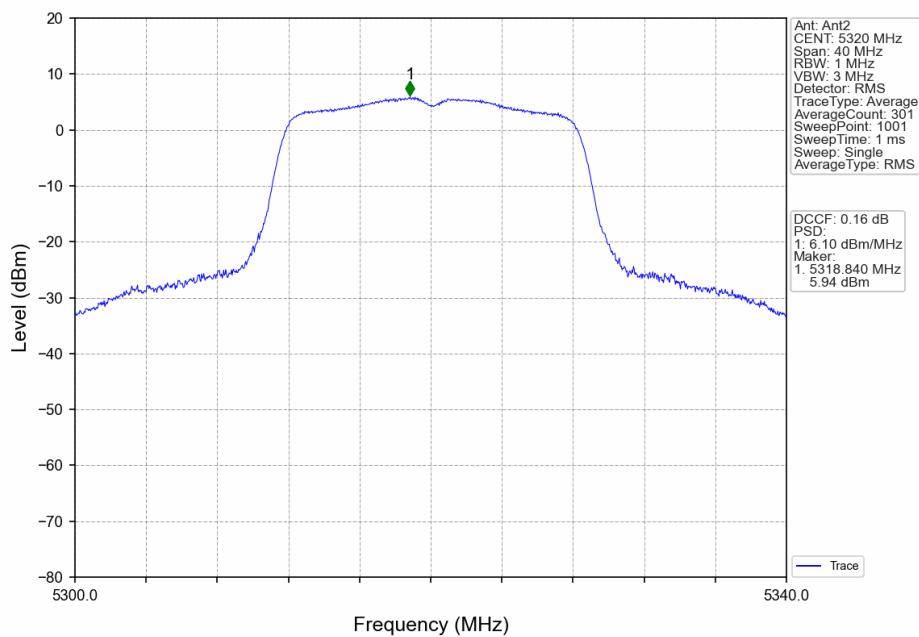
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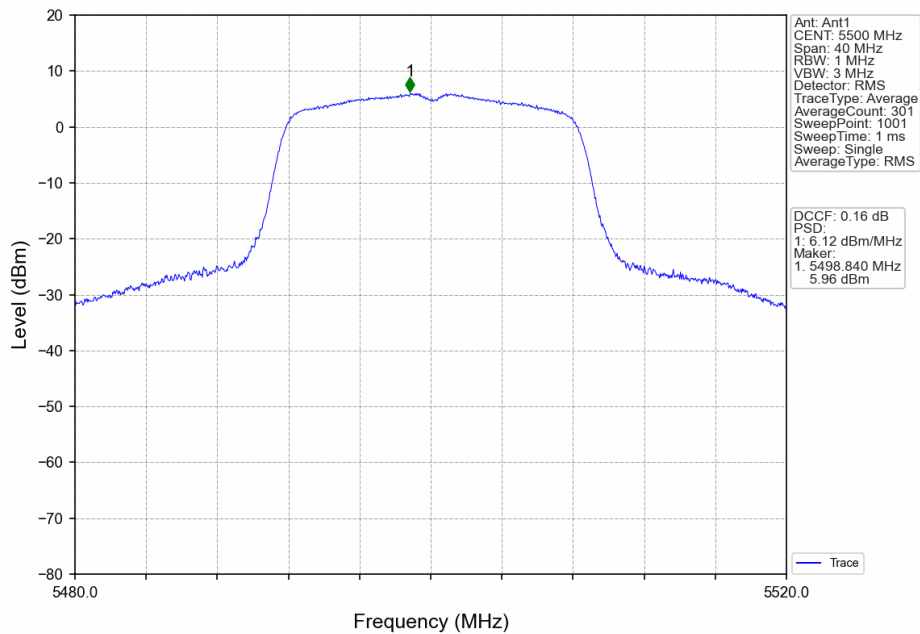
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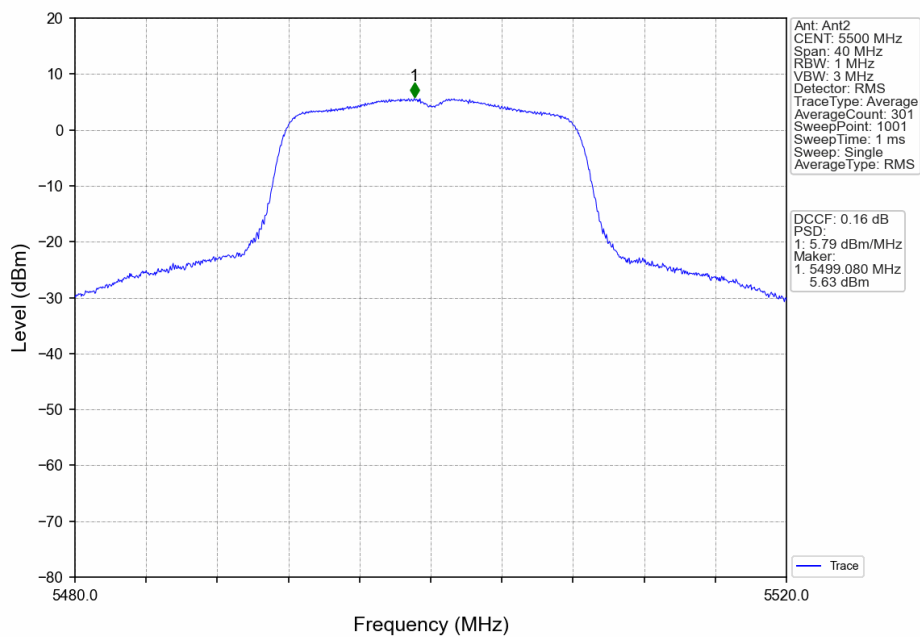
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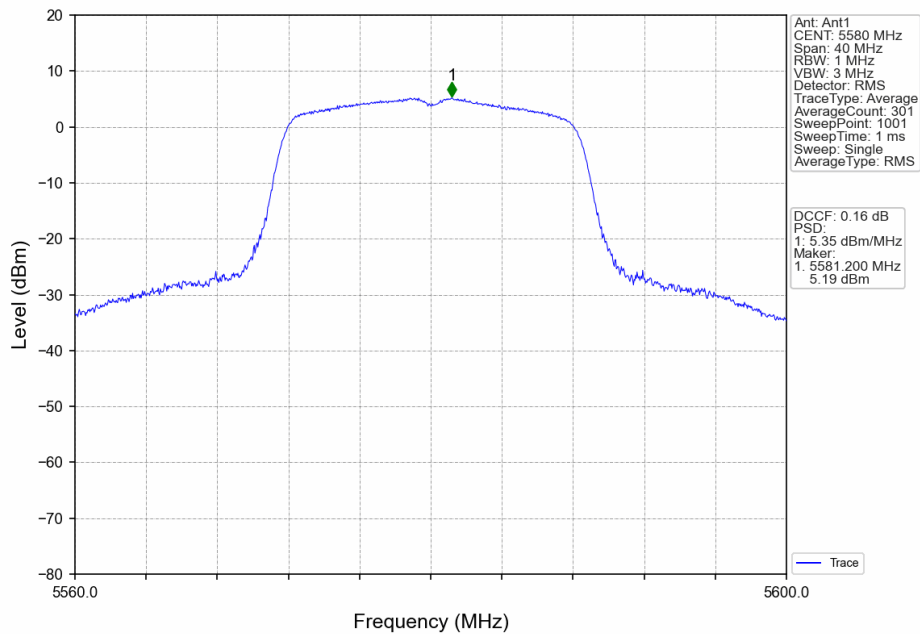
802.11a\_LCH\_5500MHz\_Ant1\_NTNV



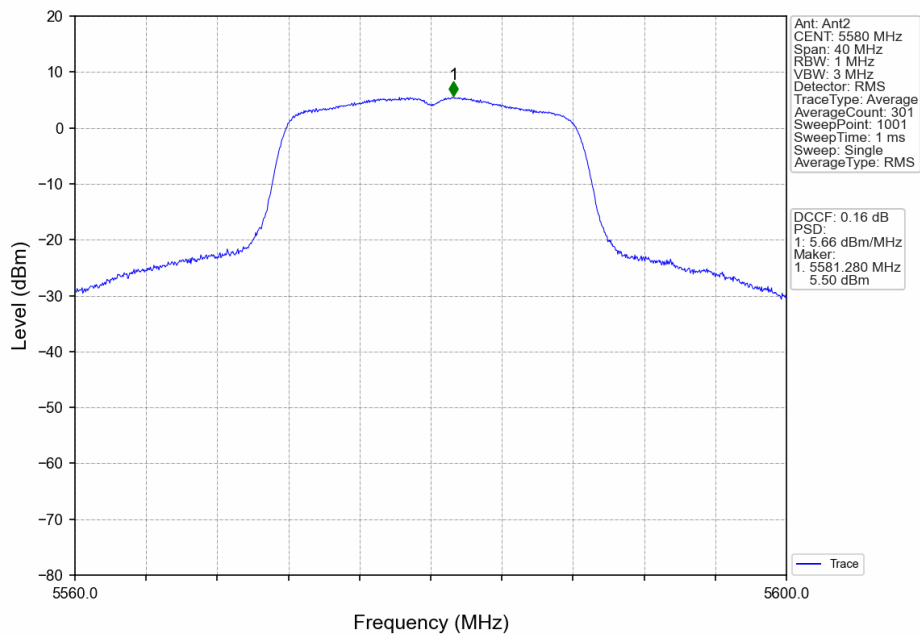
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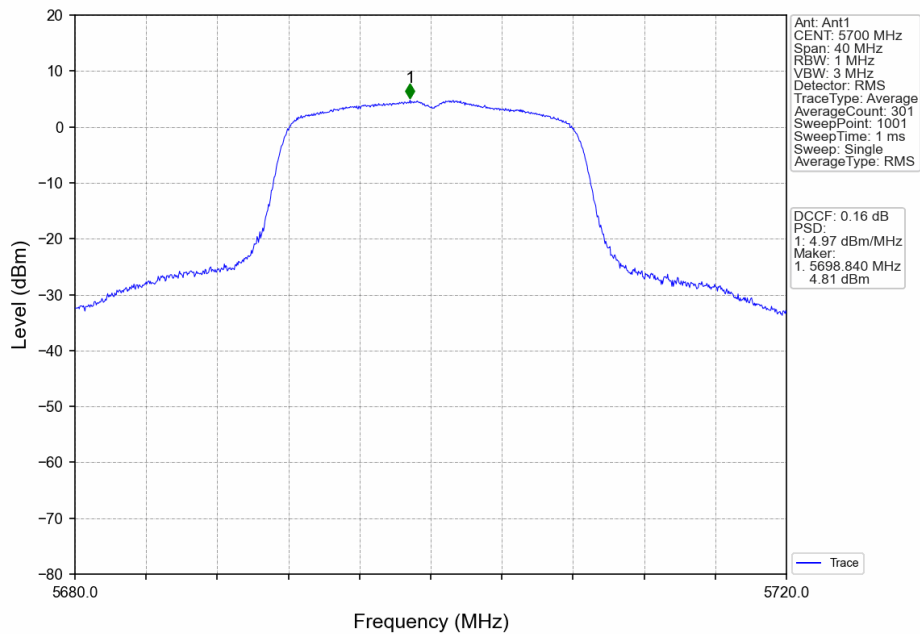
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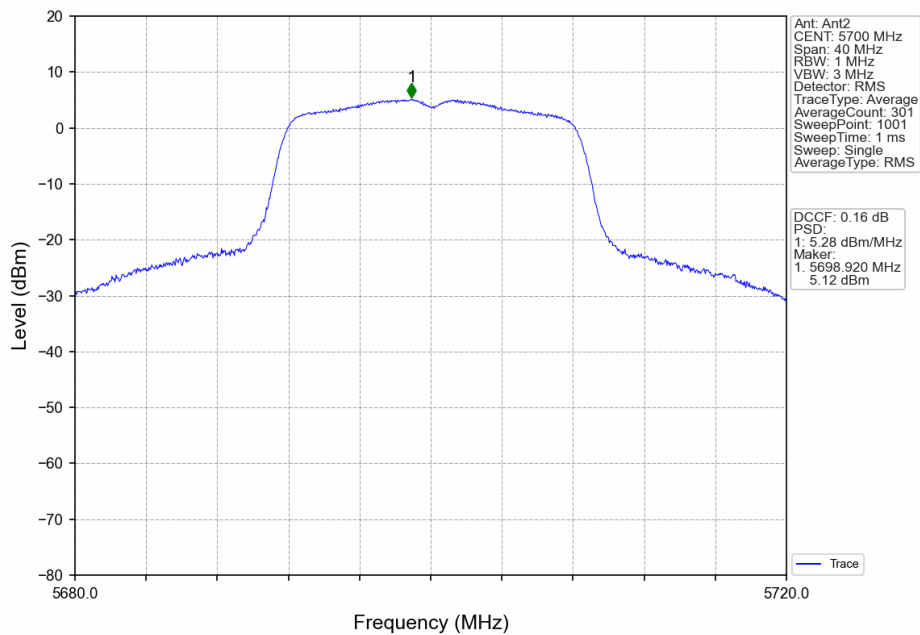
802.11a\_MCH\_5580MHz\_Ant2\_NTNV



802.11a\_HCH\_5700MHz\_Ant1\_NTNV



802.11a\_HCH\_5700MHz\_Ant2\_NTNV



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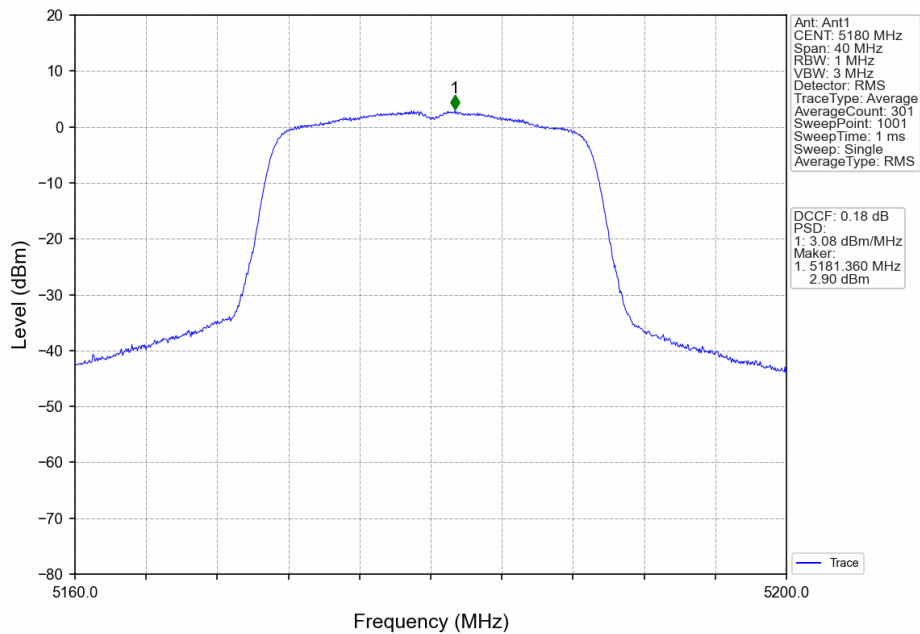
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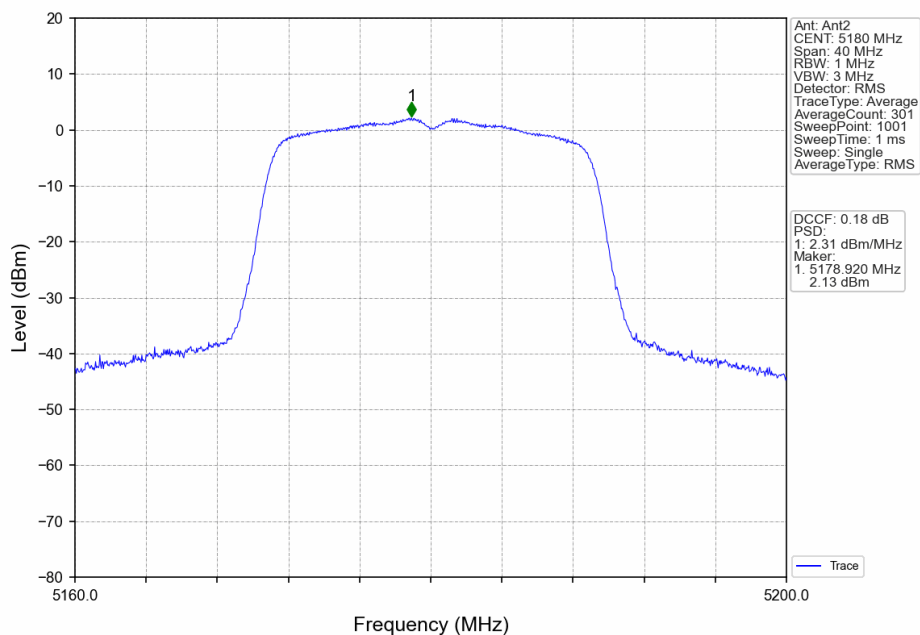
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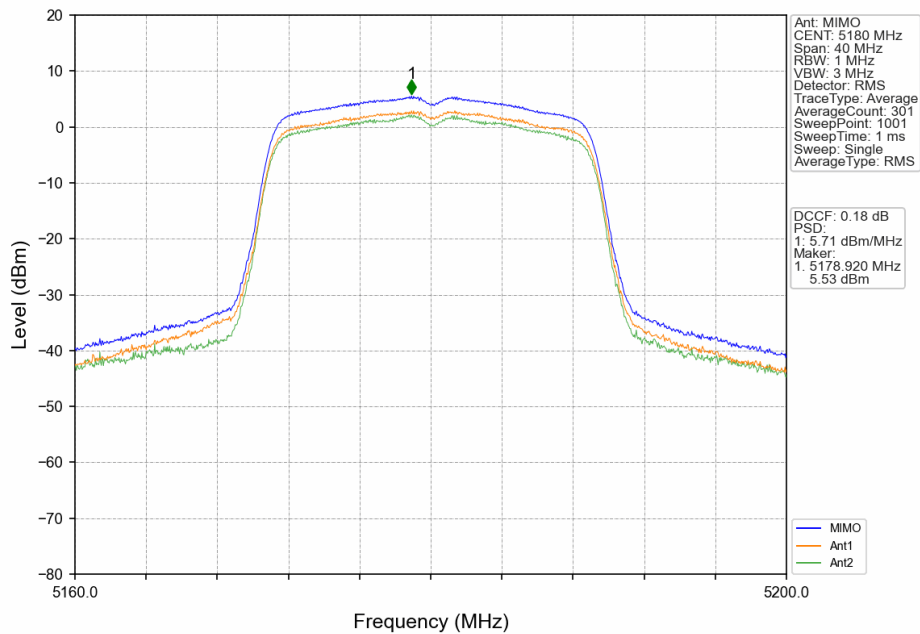
802.11n(HT20)\_LCH\_5180MHz\_Ant1\_NTNV



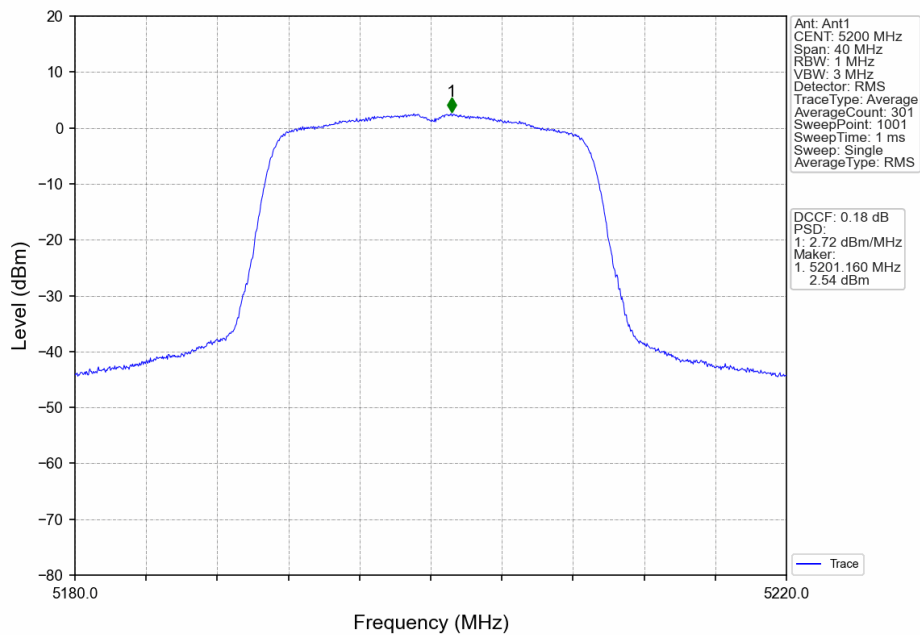
802.11n(HT20)\_LCH\_5180MHz\_Ant2\_NTNV



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



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



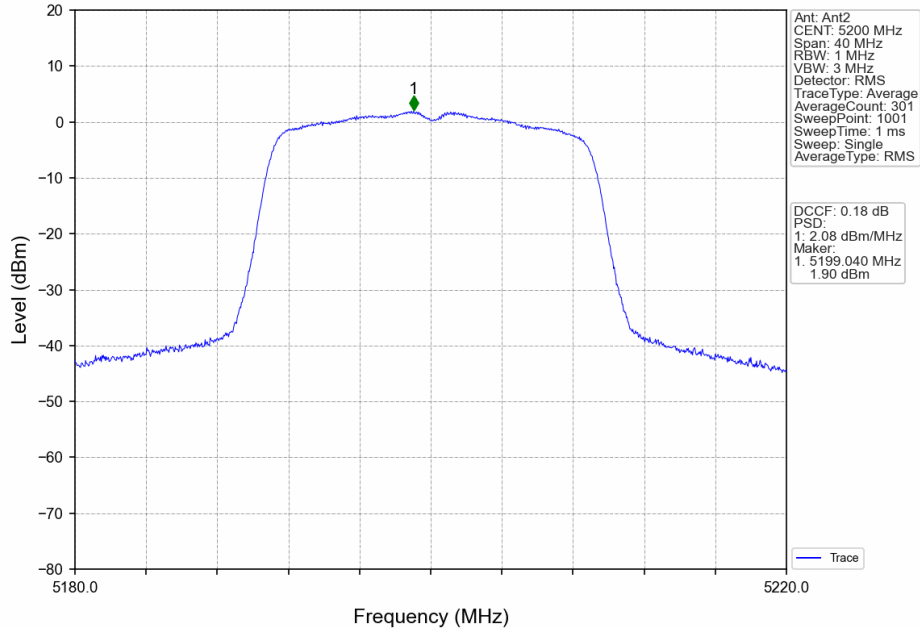
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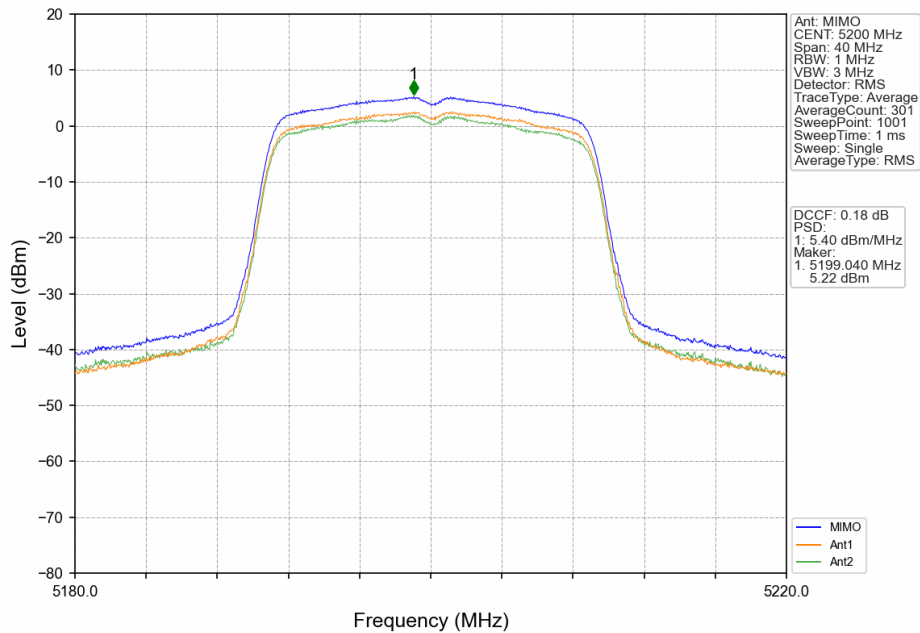
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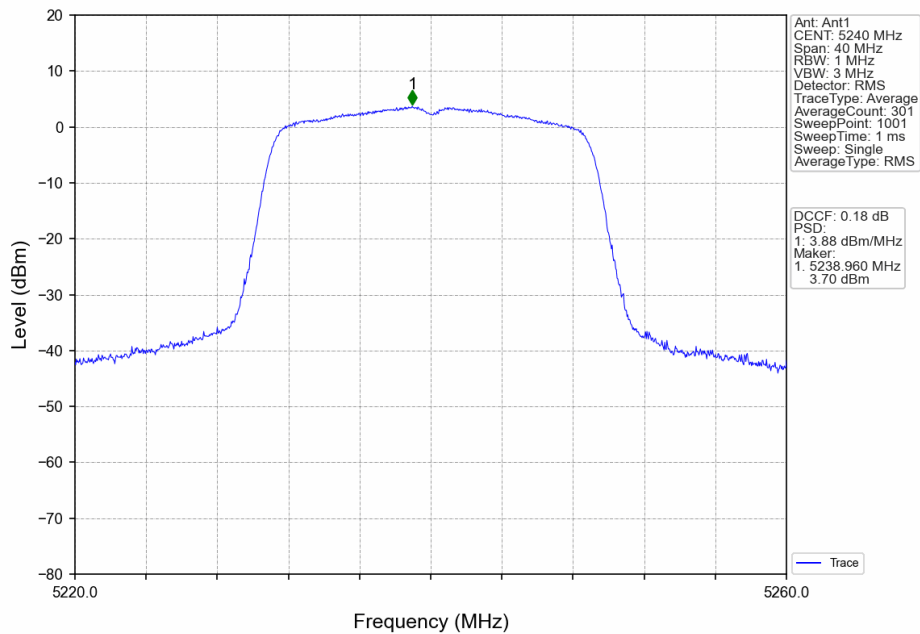
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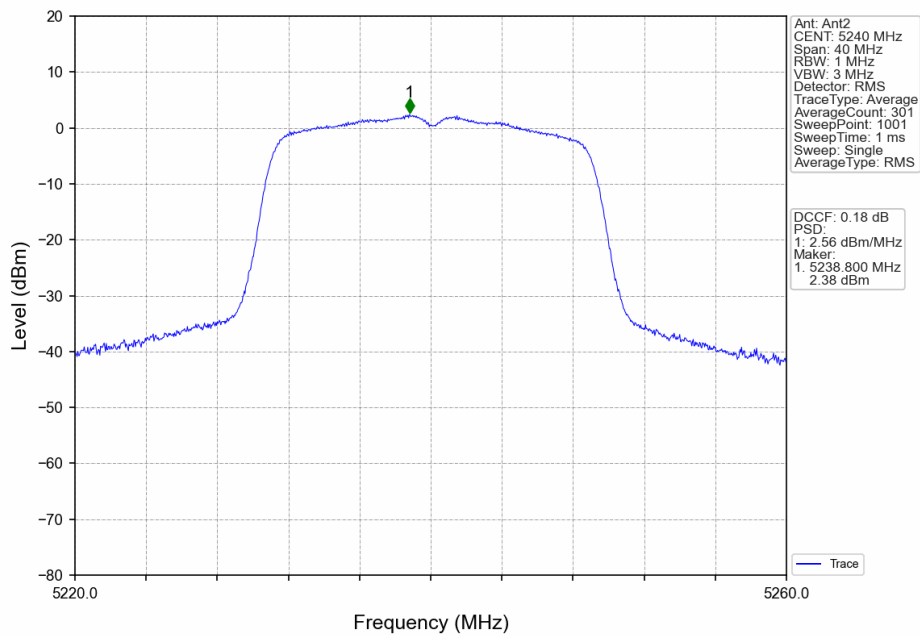
802.11n(HT20)\_MCH\_5200MHz\_MIMO\_NTNV



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



802.11n(HT20)\_HCH\_5240MHz\_Ant2\_NTNV



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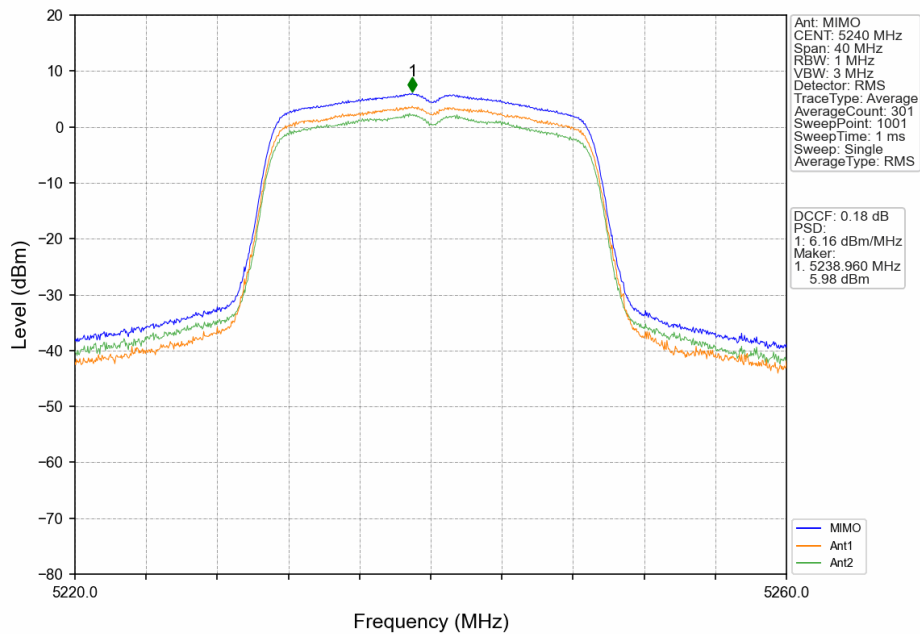
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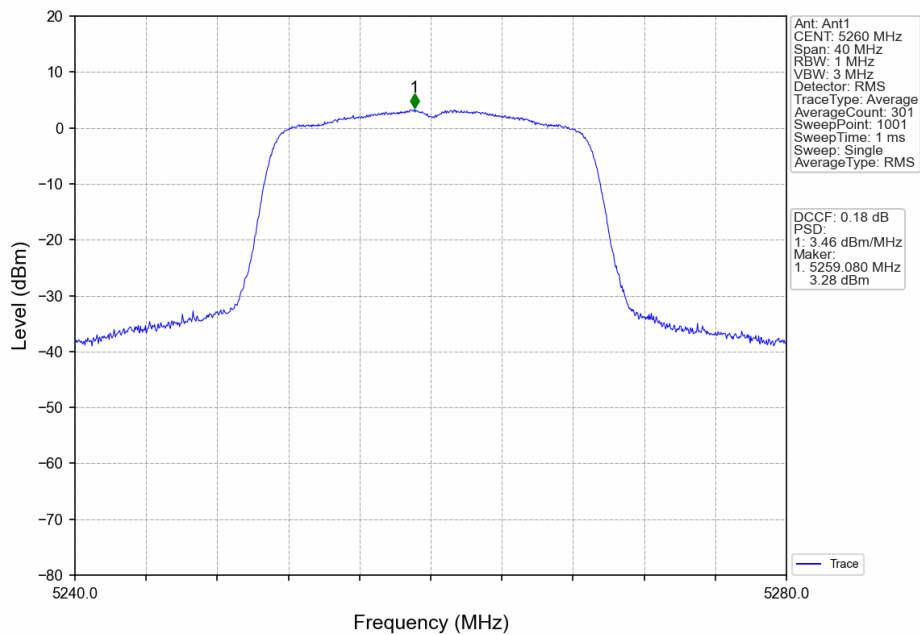
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### 802.11n(HT20)\_HCH\_5240MHz\_MIMO\_NTNV



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



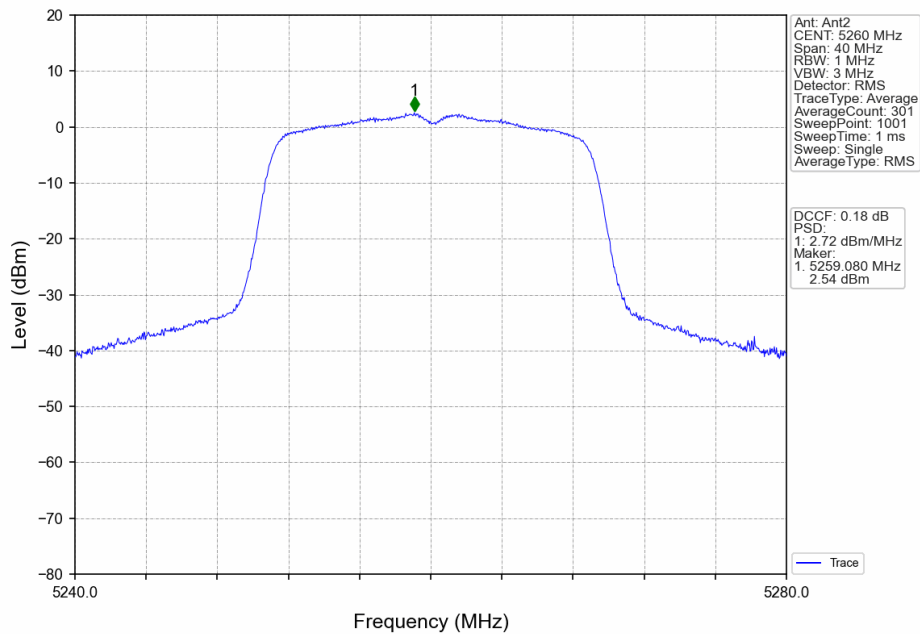
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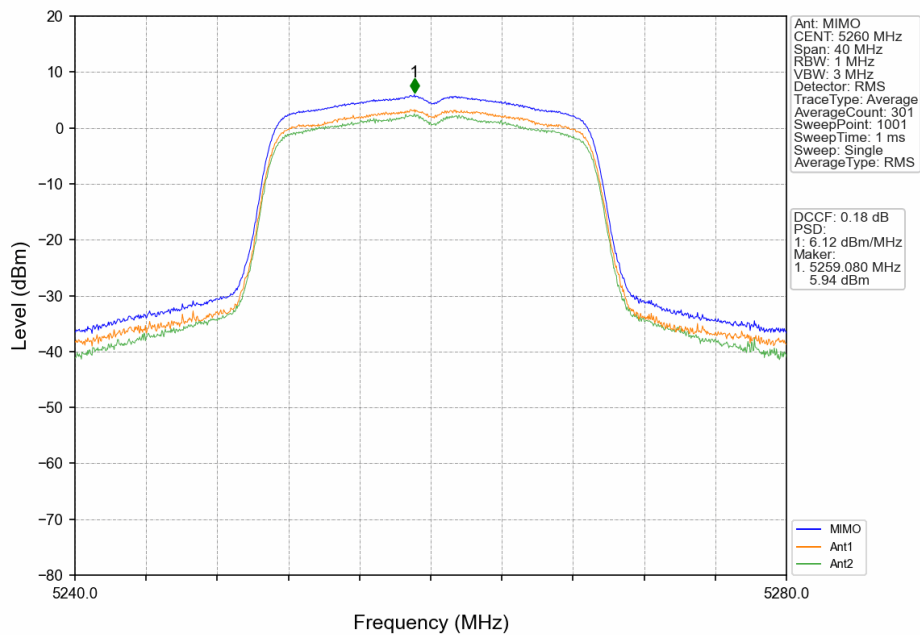
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802.11n(HT20)\_LCH\_5260MHz\_Ant2\_NTNV



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



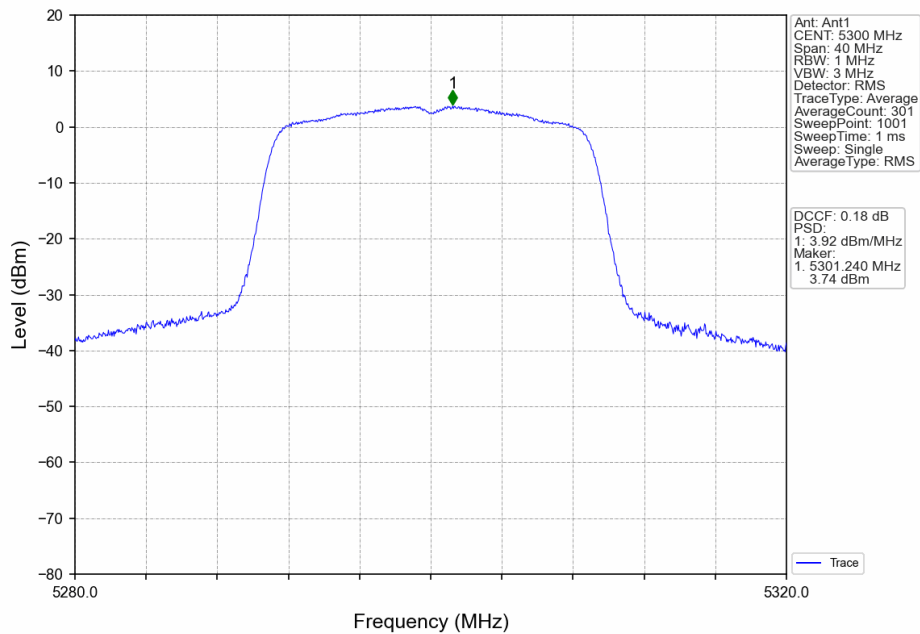
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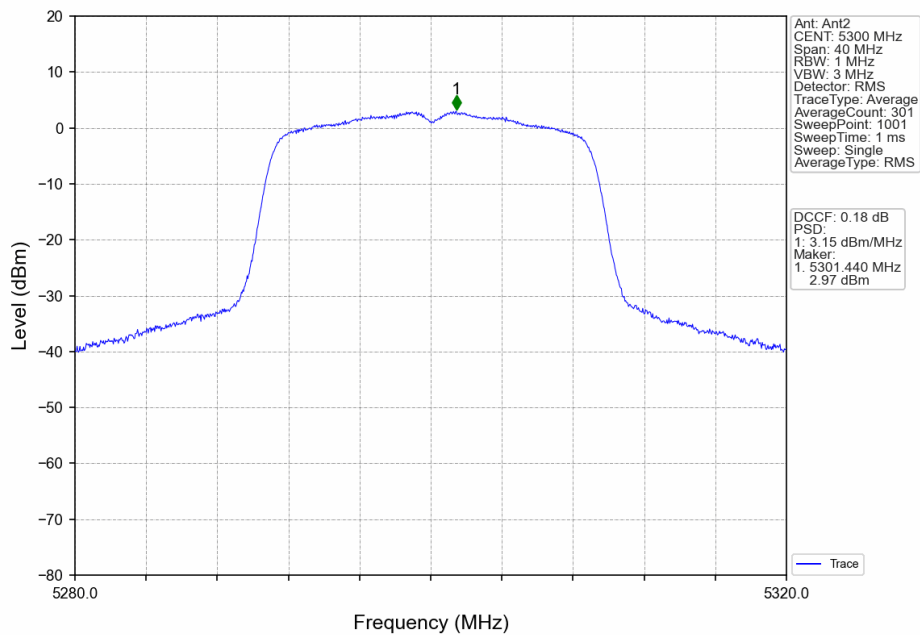
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802.11n(HT20)\_MCH\_5300MHz\_Ant1\_NTNV



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



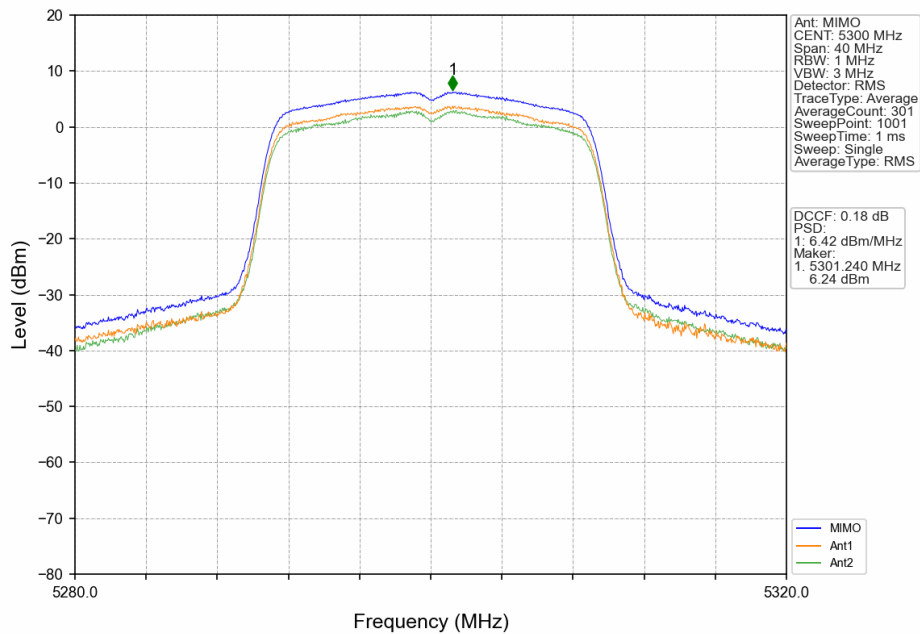
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### 802.11n(HT20)\_HCH\_5320MHz\_Ant1\_NTNV

