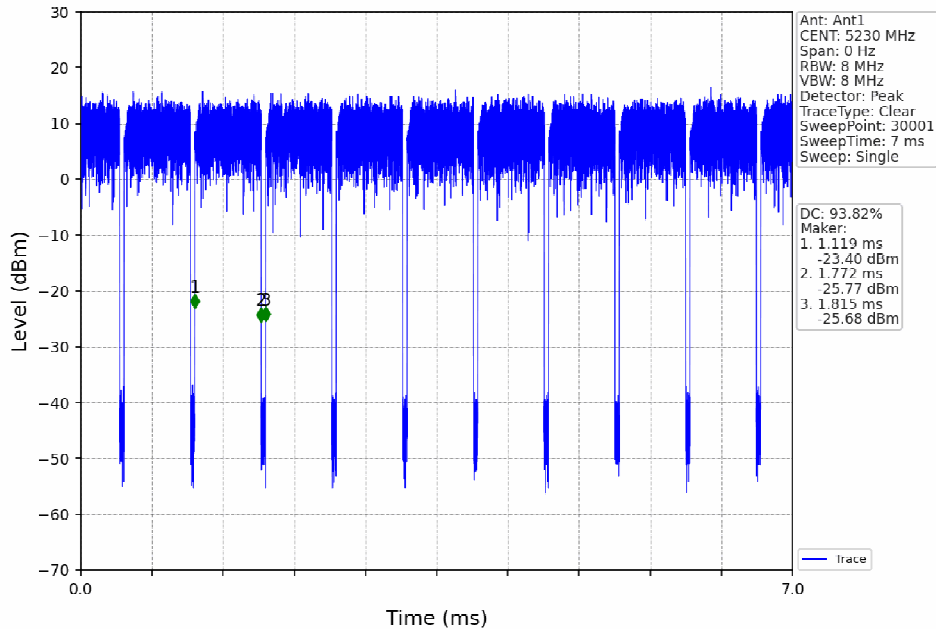
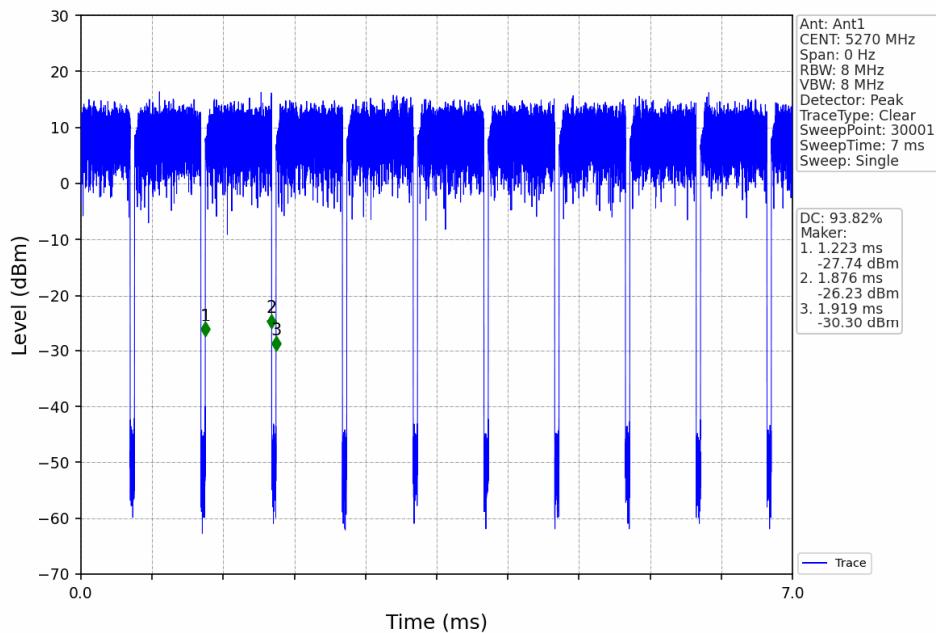


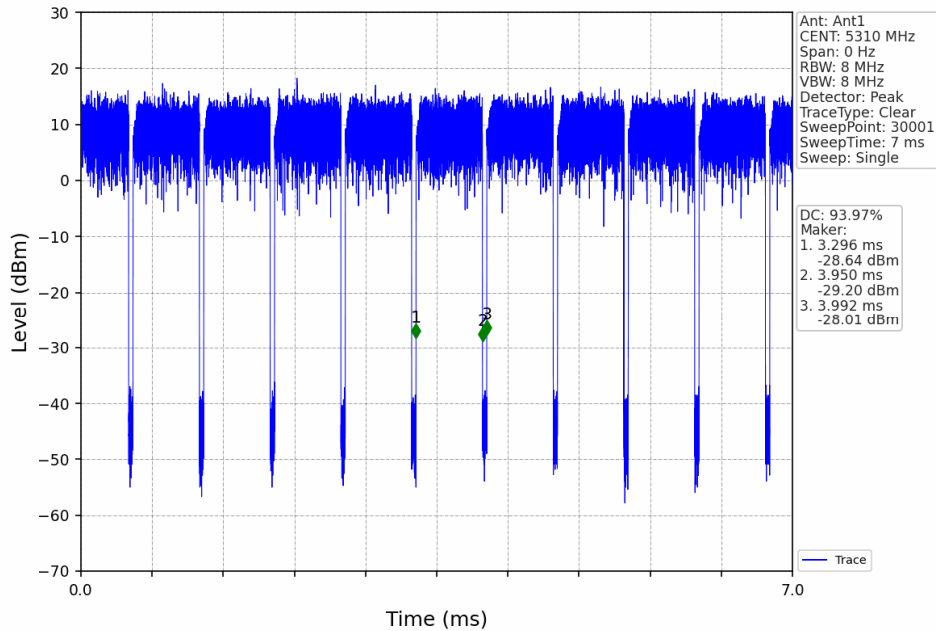
### 802.11ac(VHT40)\_HCH\_5230MHz\_Ant1\_NTNV



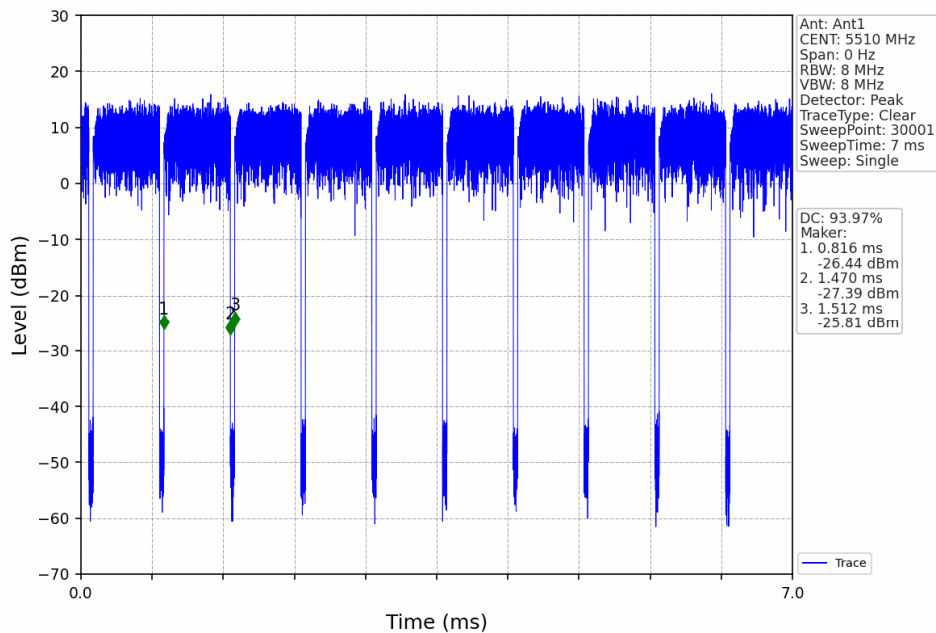
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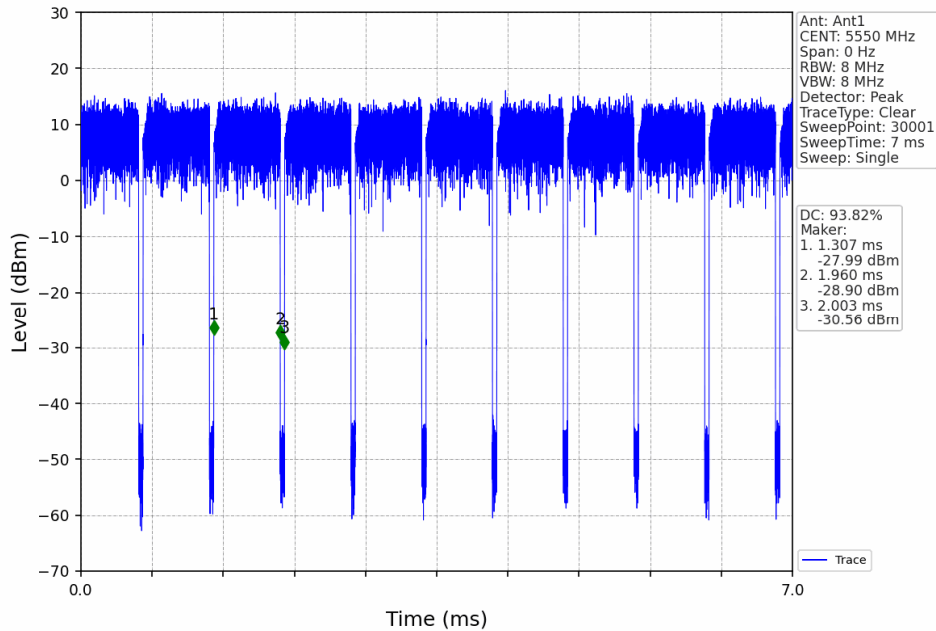
### 802.11ac(VHT40)\_HCH\_5310MHz\_Ant1\_NTNV



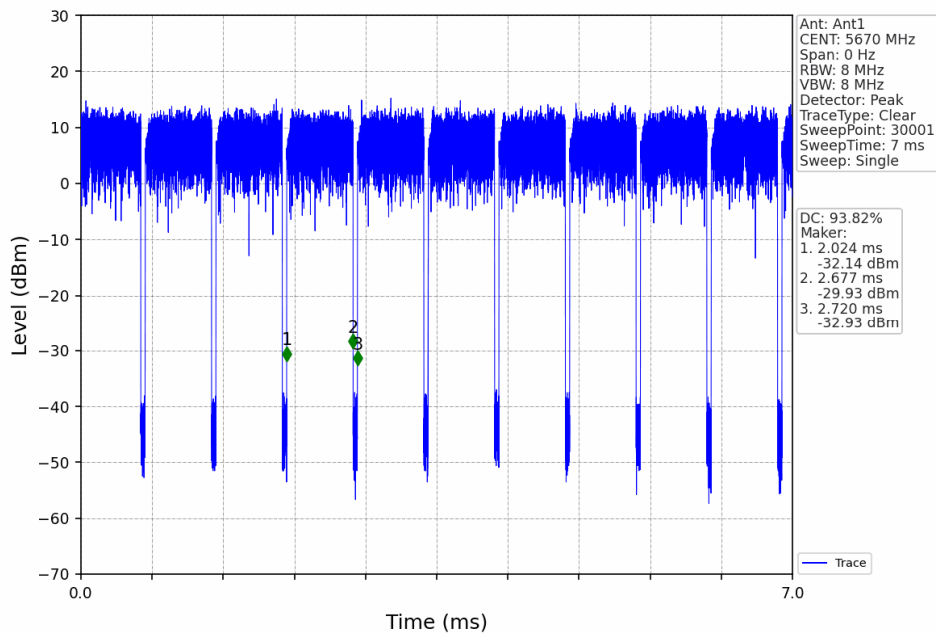
### 802.11ac(VHT40)\_LCH\_5510MHz\_Ant1\_NTNV



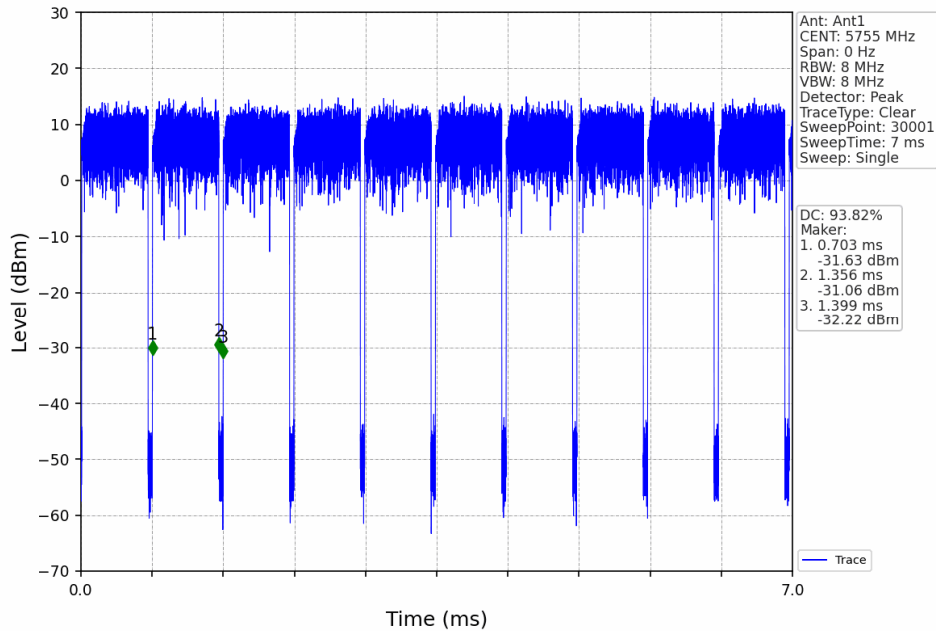
### 802.11ac(VHT40)\_MCH\_5550MHz\_Ant1\_NTNV



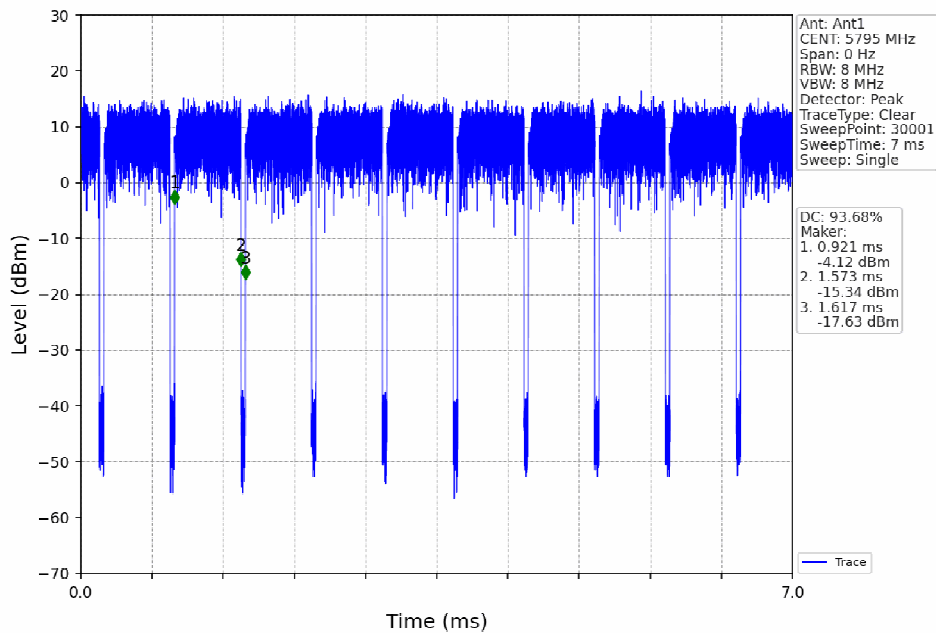
### 802.11ac(VHT40)\_HCH\_5670MHz\_Ant1\_NTNV



### 802.11ac(VHT40)\_LCH\_5755MHz\_Ant1\_NTNV



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

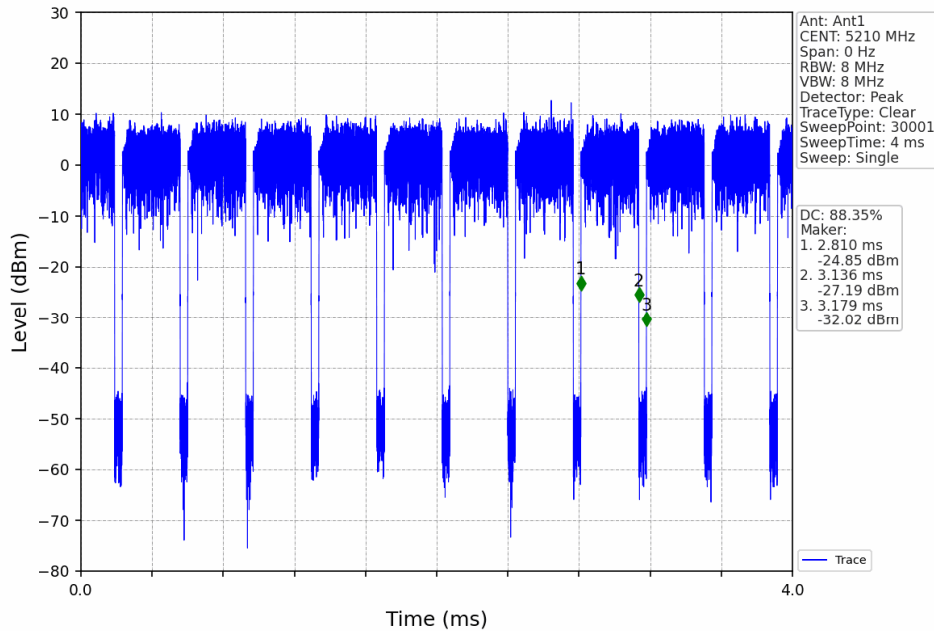


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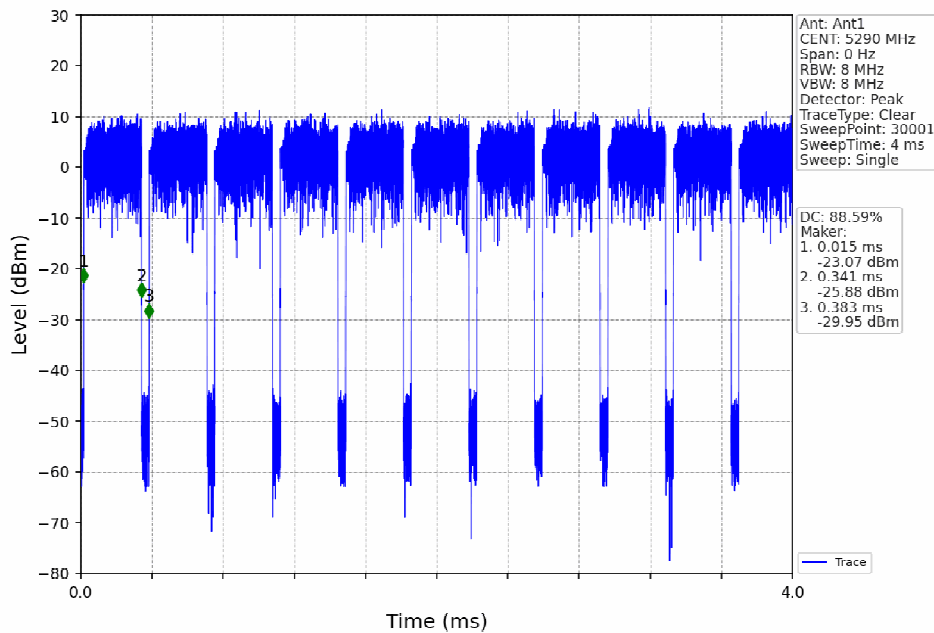
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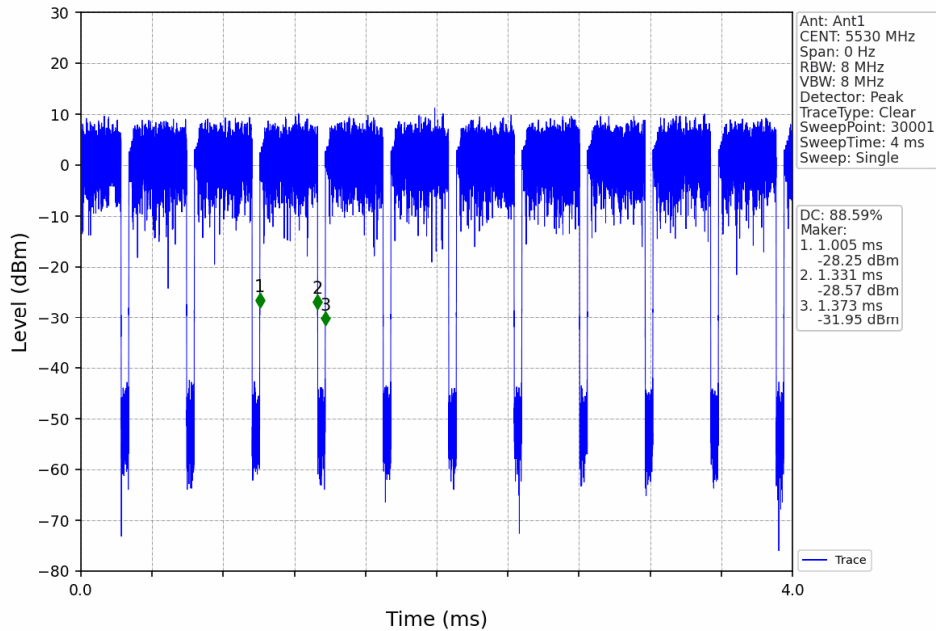
### 802.11ac(VHT80)\_MCH\_5210MHz\_Ant1\_NTNV



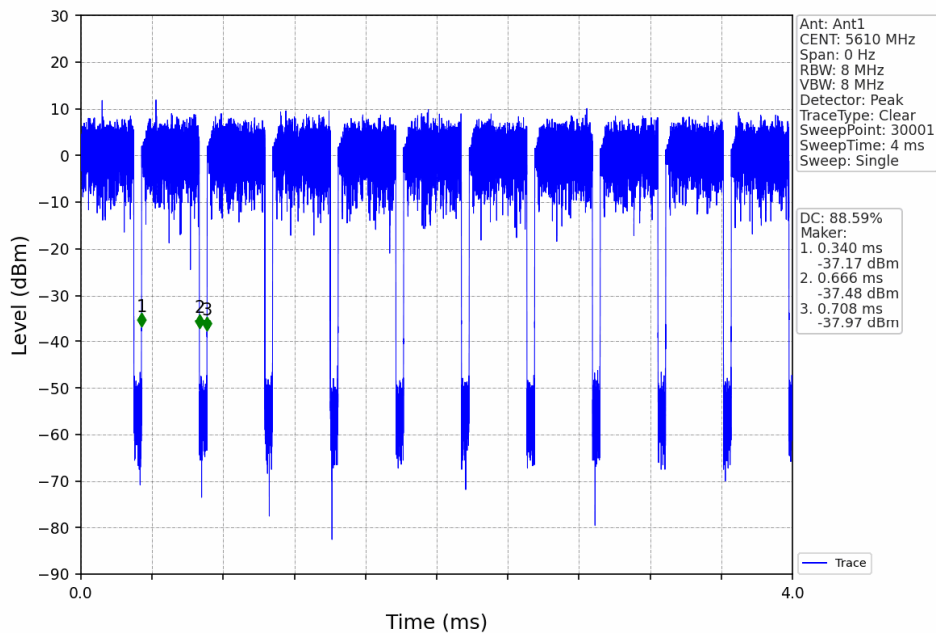
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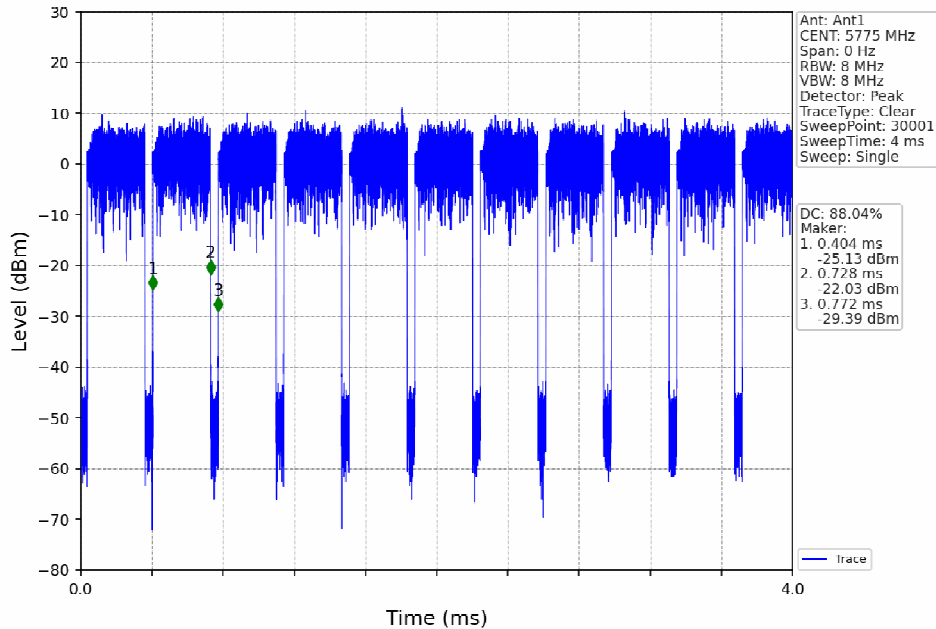
### 802.11ac(VHT80)\_LCH\_5530MHz\_Ant1\_NTNV



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



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



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### 2. Bandwidth

#### 2.1 OBW

##### 2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)	Verdict
				Result	
802.11a	SISO	5180	1	20.570	Pass
		5200	1	20.787	Pass
		5240	1	21.484	Pass
		5260	1	20.858	Pass
		5300	1	21.204	Pass
		5320	1	21.645	Pass
		5500	1	22.321	Pass
		5580	1	22.537	Pass
		5700	1	19.526	Pass
		5745	1	19.994	Pass
		5785	1	20.865	Pass
		5825	1	17.458	Pass
802.11n (HT20)	SISO	5180	1	20.628	Pass
		5200	1	21.195	Pass
		5240	1	21.136	Pass
		5260	1	21.895	Pass
		5300	1	21.496	Pass
		5320	1	21.257	Pass
		5500	1	22.320	Pass
		5580	1	22.683	Pass
		5700	1	20.311	Pass
		5745	1	20.259	Pass
		5785	1	20.846	Pass
		5825	1	21.252	Pass
802.11n (HT40)	SISO	5190	1	37.474	Pass
		5230	1	37.599	Pass
		5270	1	37.584	Pass
		5310	1	37.390	Pass
		5510	1	37.662	Pass
		5550	1	37.765	Pass
		5670	1	37.737	Pass



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中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



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		5755	1	37.765	Pass
		5795	1	37.773	Pass
802.11ac (VHT20)	SISO	5180	1	20.771	Pass
		5200	1	20.797	Pass
		5240	1	21.175	Pass
		5260	1	21.135	Pass
		5300	1	21.934	Pass
		5320	1	21.716	Pass
		5500	1	22.877	Pass
		5580	1	23.054	Pass
		5700	1	20.029	Pass
		5745	1	20.143	Pass
		5785	1	24.766	Pass
		5825	1	20.026	Pass
802.11ac (VHT40)	SISO	5190	1	37.045	Pass
		5230	1	37.149	Pass
		5270	1	37.092	Pass
		5310	1	37.136	Pass
		5510	1	37.357	Pass
		5550	1	37.196	Pass
		5670	1	37.297	Pass
		5755	1	37.299	Pass
802.11ac (VHT80)	SISO	5795	1	37.367	Pass
		5210	1	76.137	Pass
		5290	1	76.155	Pass
		5530	1	76.141	Pass
		5610	1	76.277	Pass
		5775	1	76.151	Pass



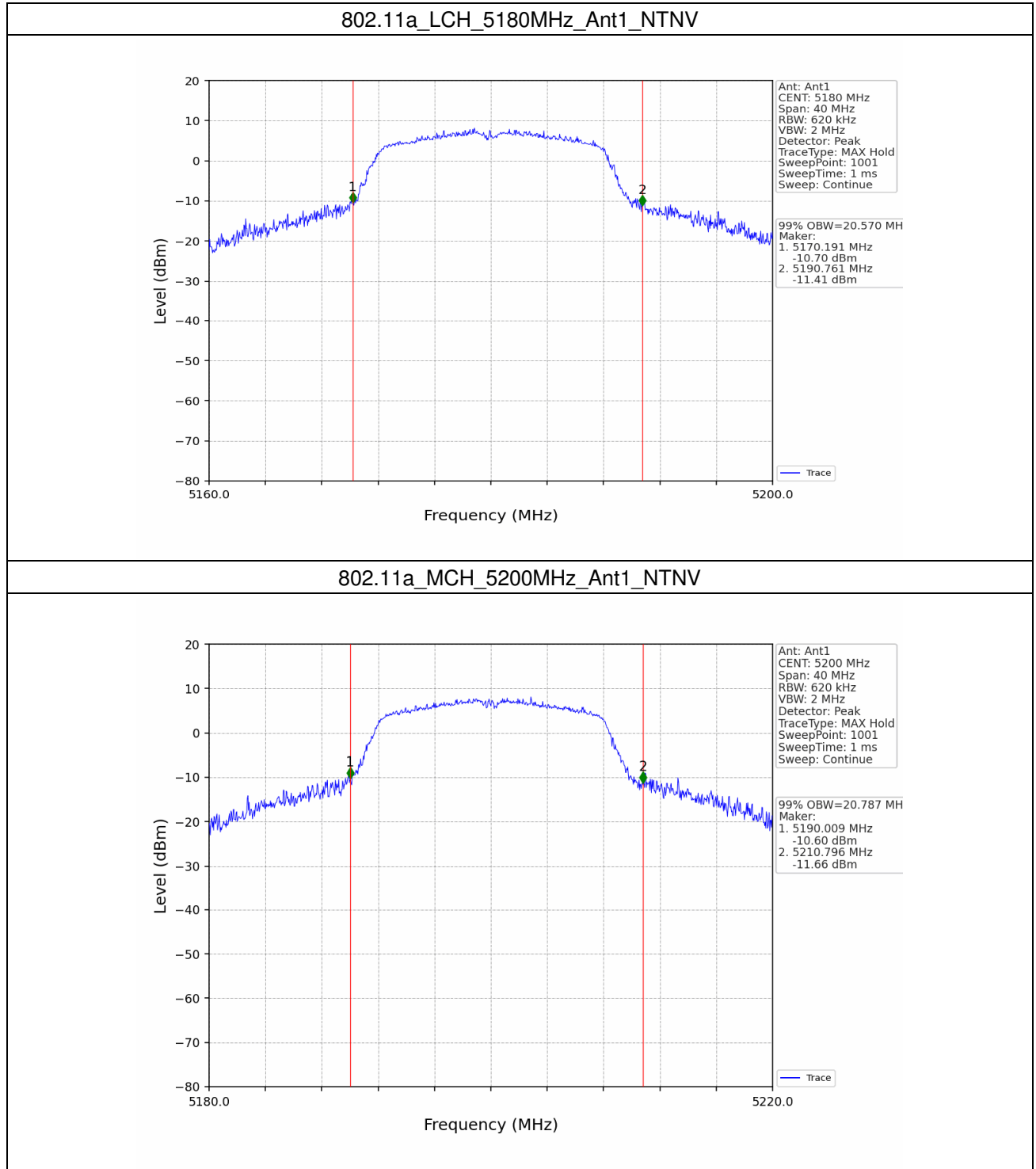
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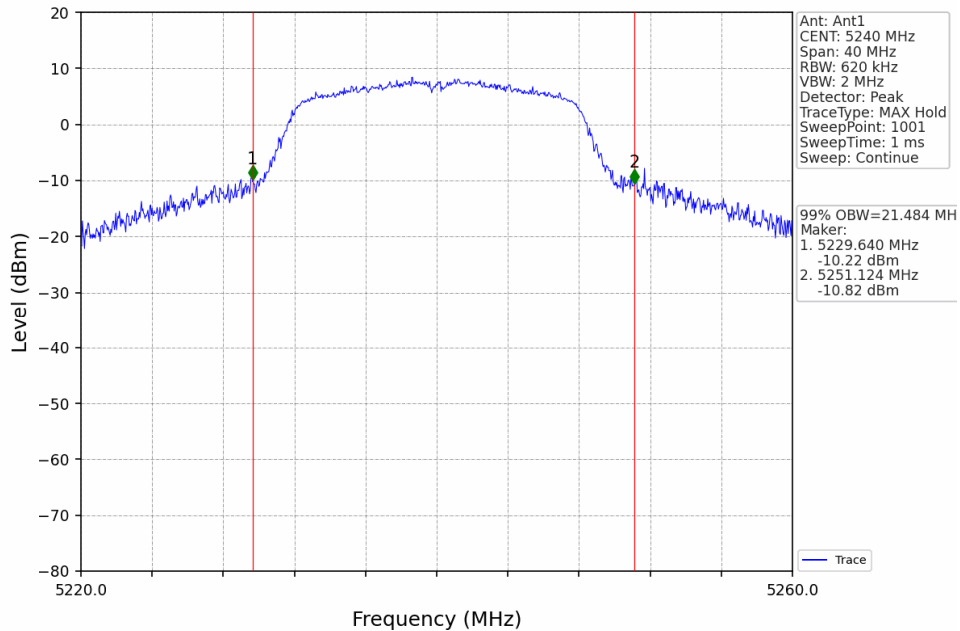
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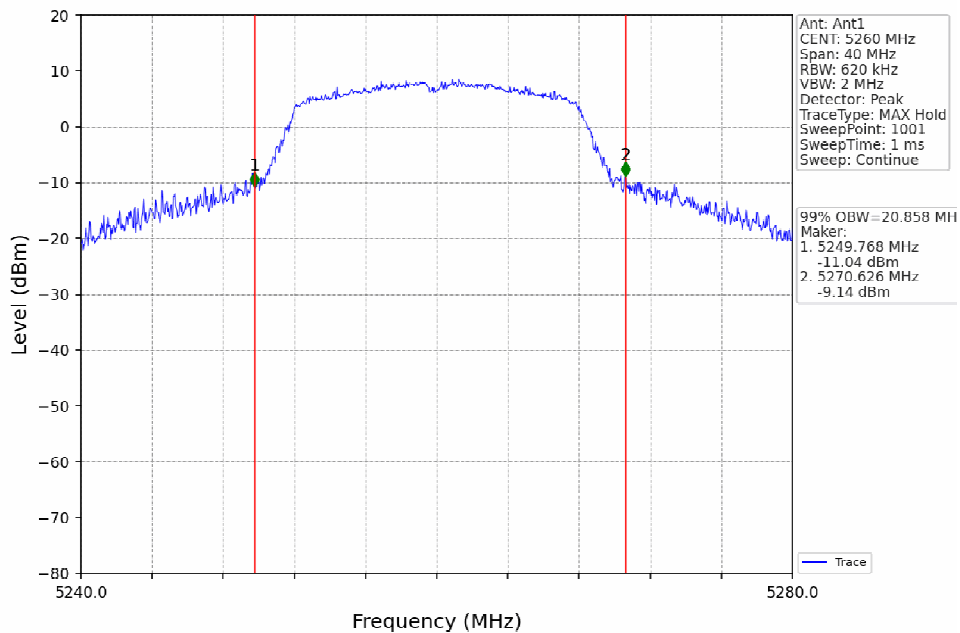
### 2.1.2 Test Graph



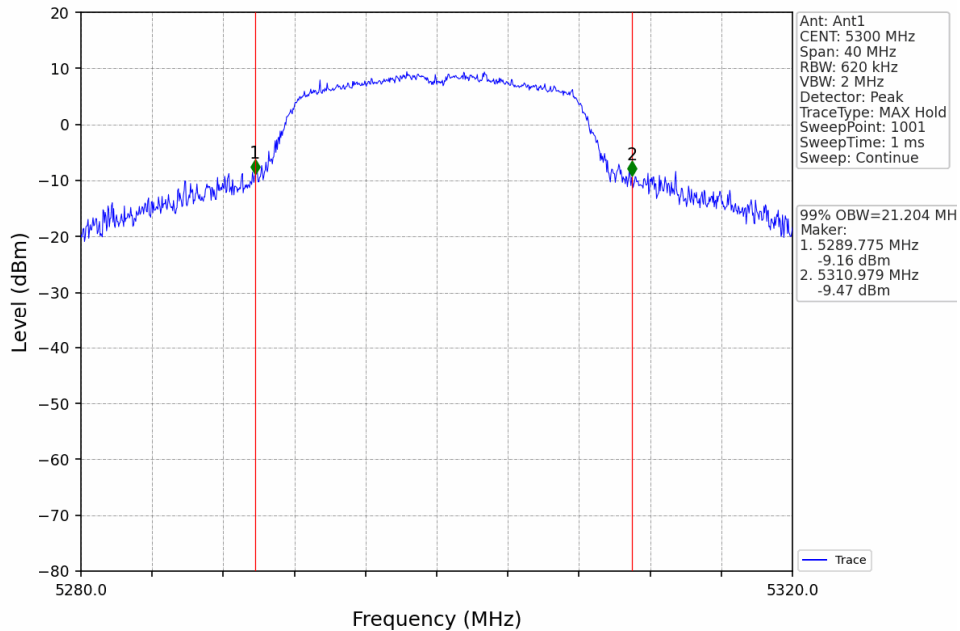
802.11a\_HCH\_5240MHz\_Ant1\_NTNV



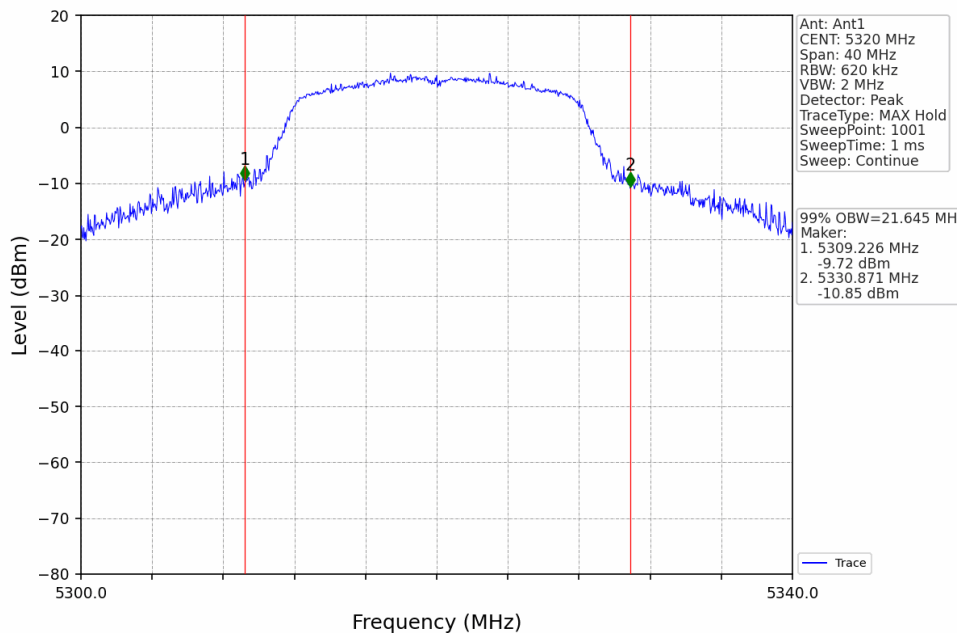
802.11a\_LCH\_5260MHz\_Ant1\_NTNV



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

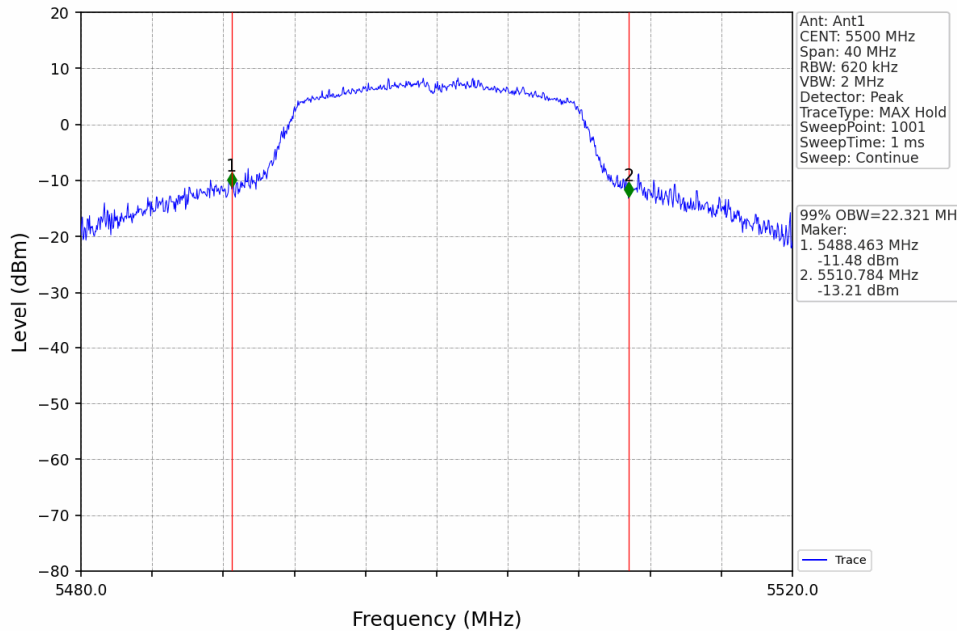


### 802.11a\_HCH\_5320MHz\_Ant1\_NTNV

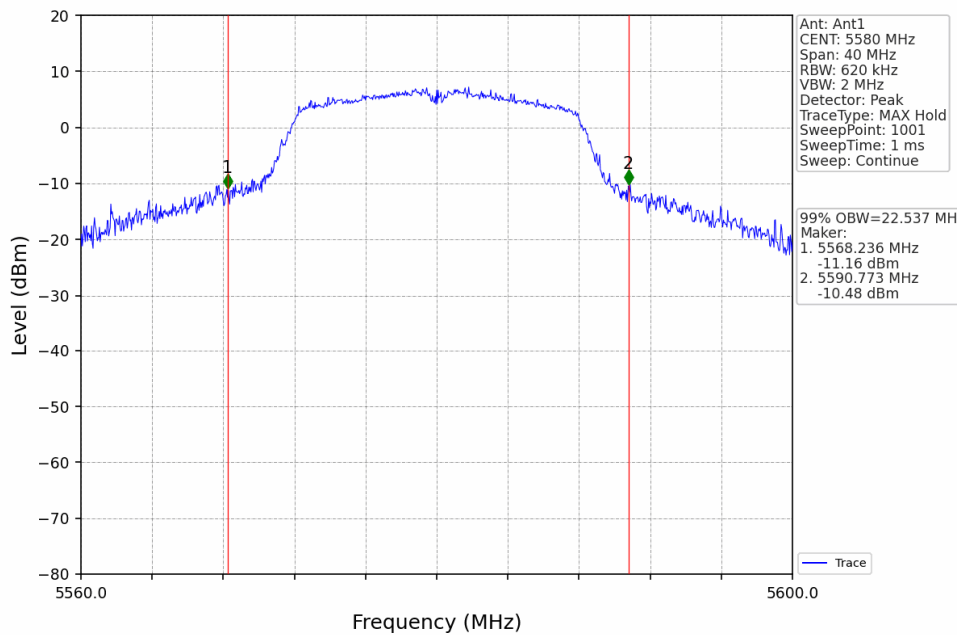




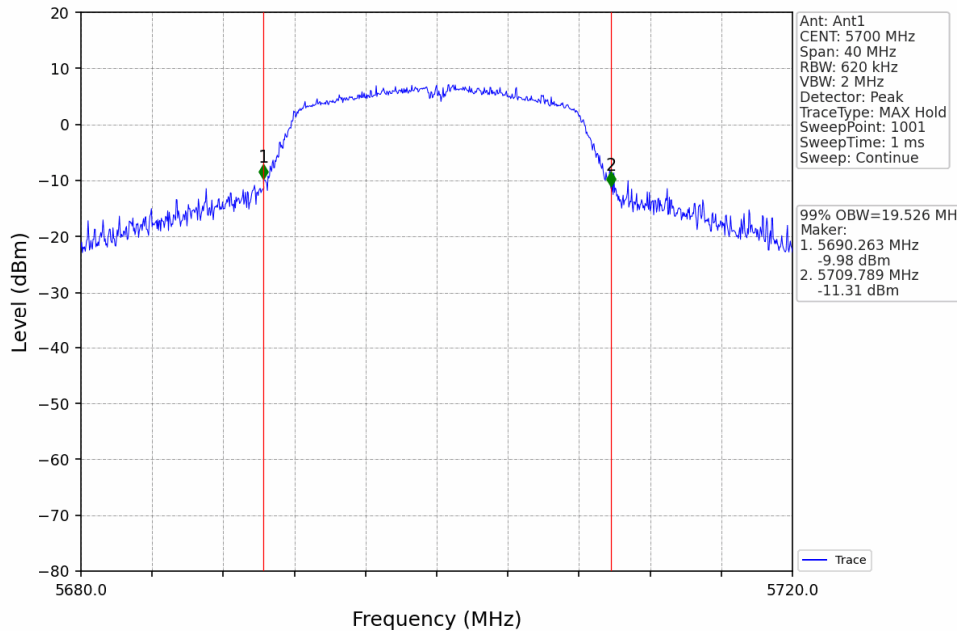
802.11a\_LCH\_5500MHz\_Ant1\_NTNV



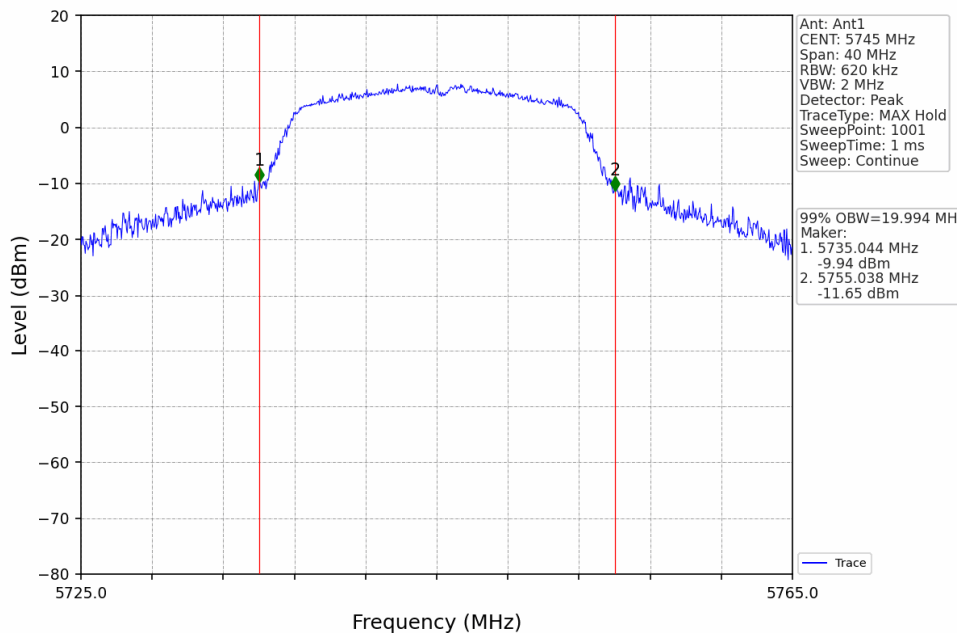
802.11a\_MCH\_5580MHz\_Ant1\_NTNV



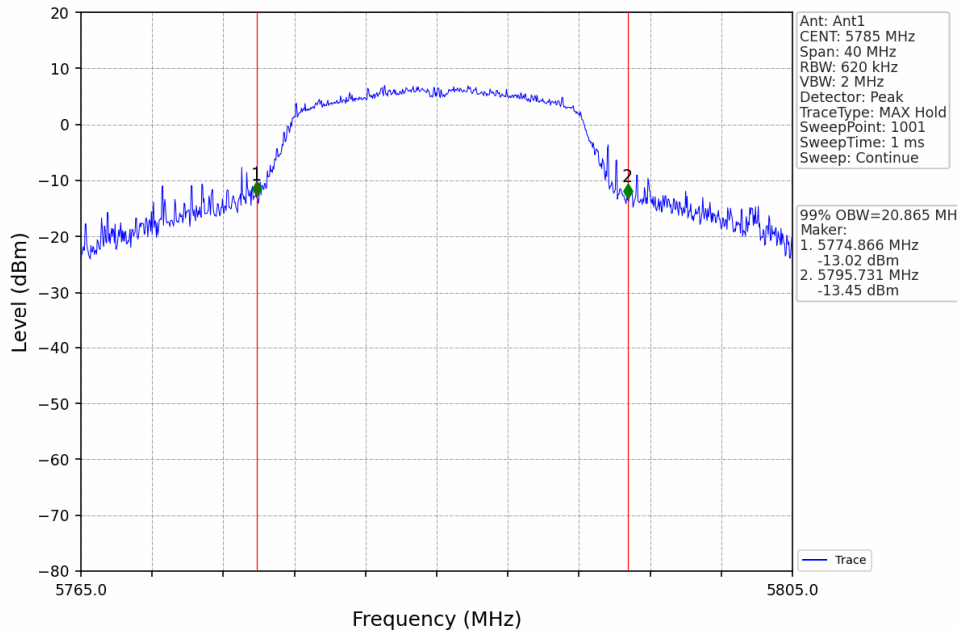
802.11a\_HCH\_5700MHz\_Ant1\_NTNV



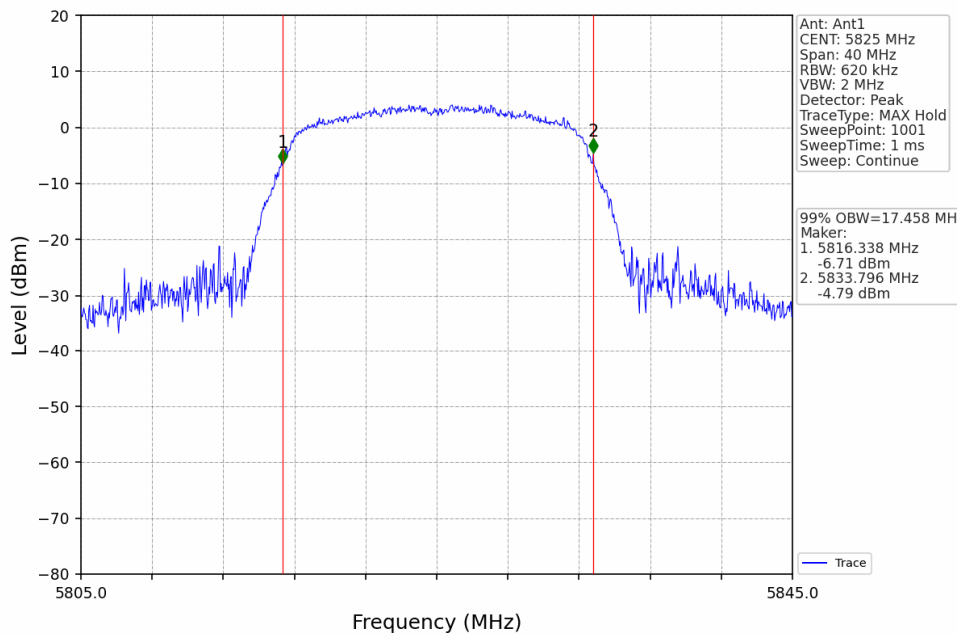
802.11a\_LCH\_5745MHz\_Ant1\_NTNV



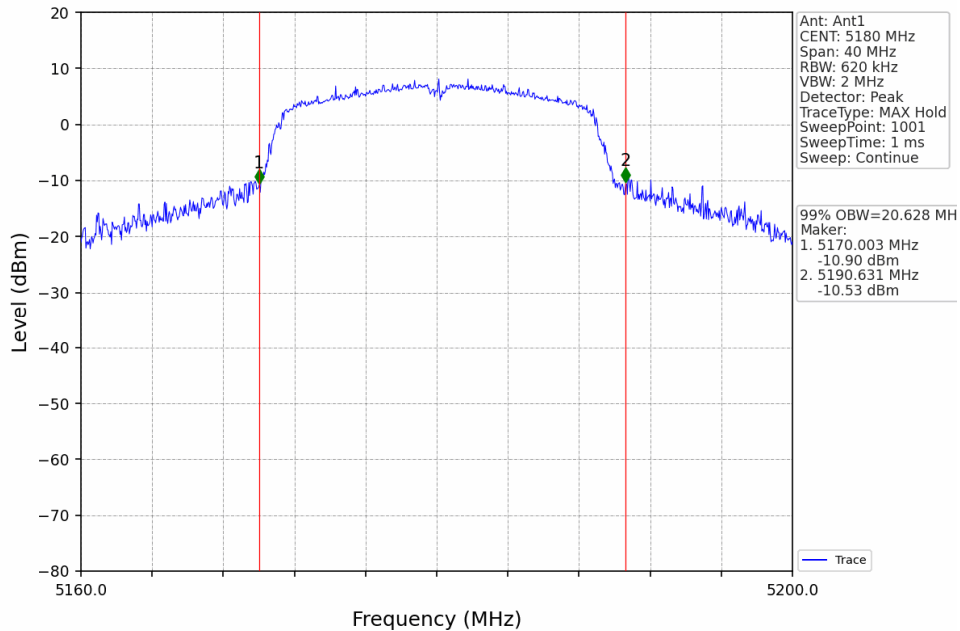
### 802.11a\_MCH\_5785MHz\_Ant1\_NTNV



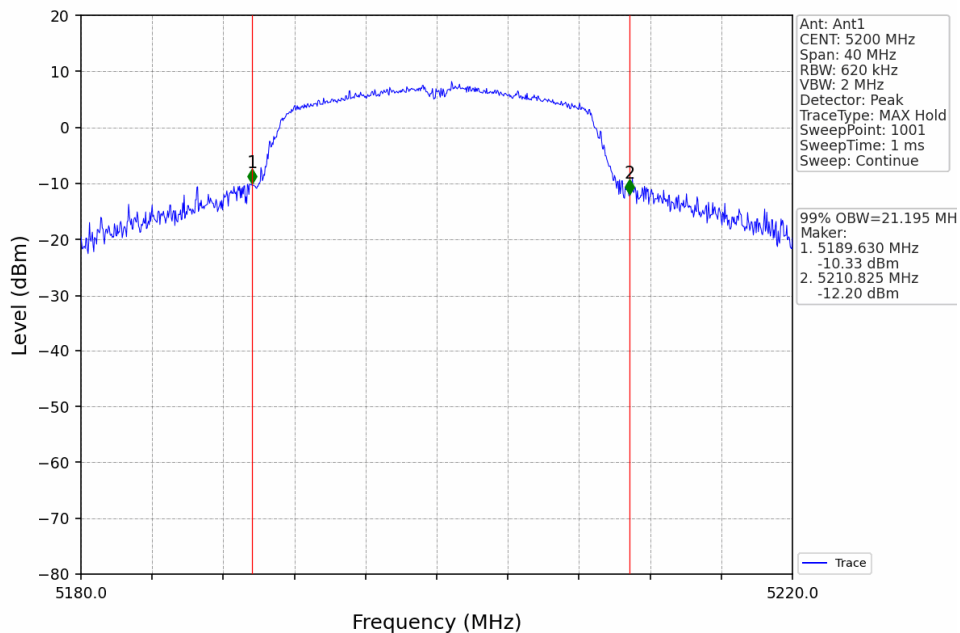
### 802.11a\_HCH\_5825MHz\_Ant1\_NTNV



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

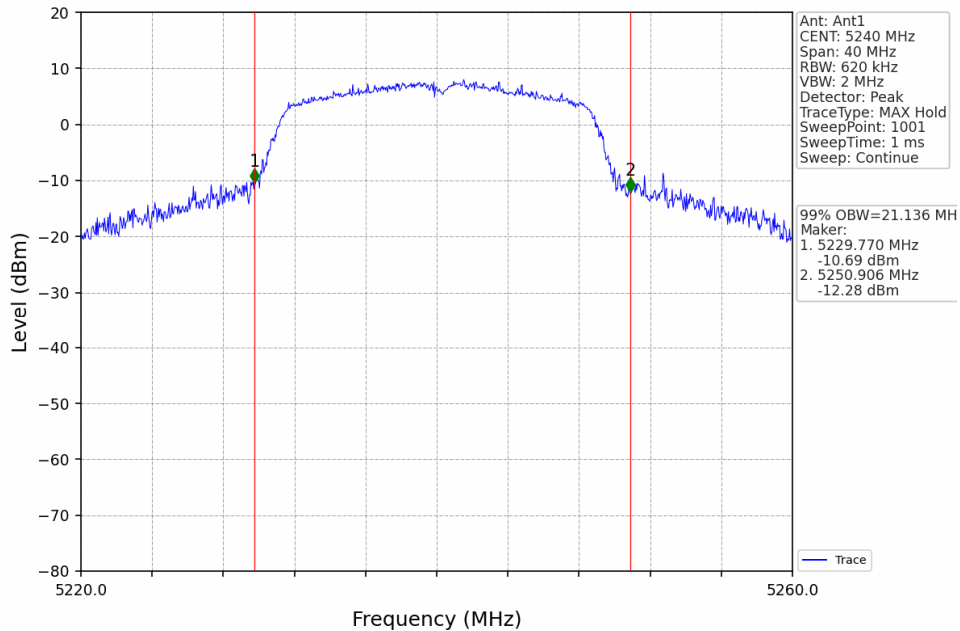


802.11n(HT20)\_MCH\_5200MHz\_Ant1\_NTNV

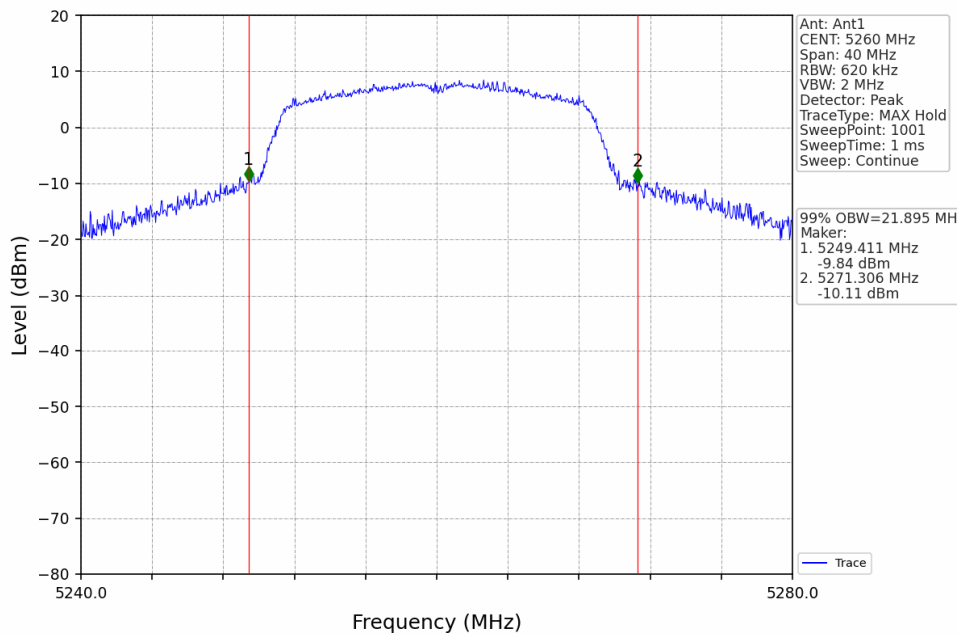




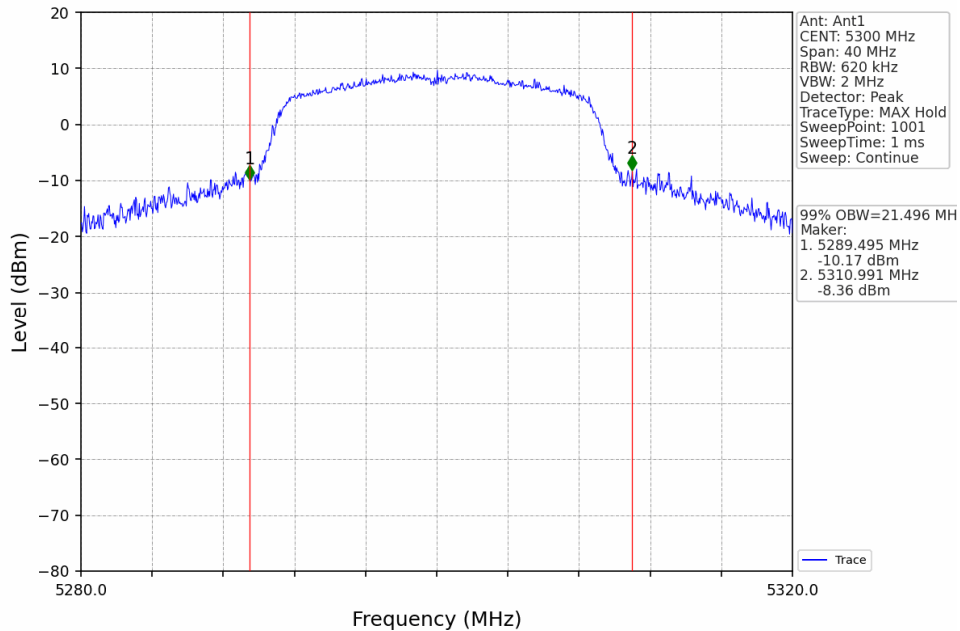
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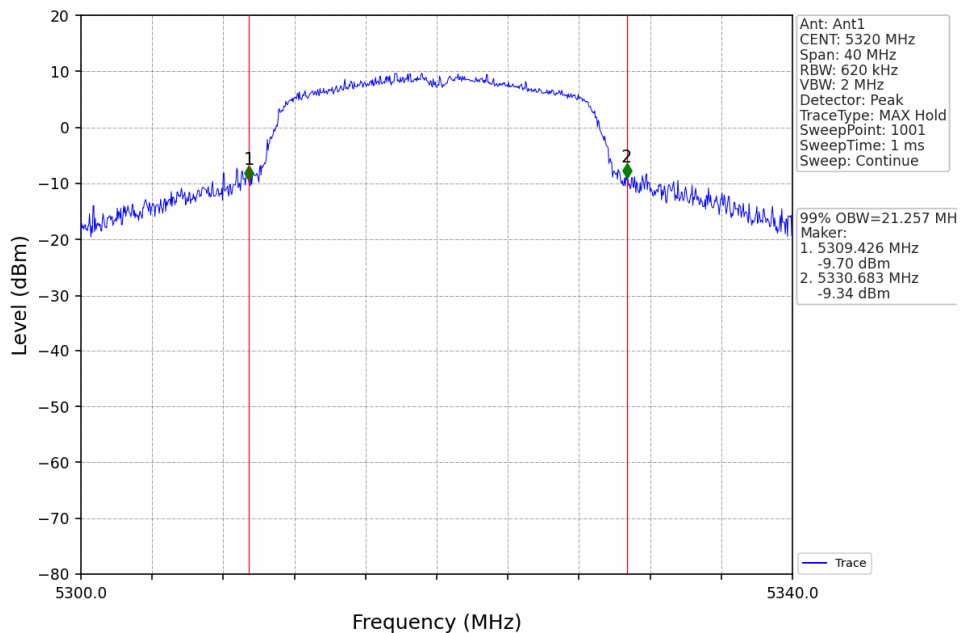
802.11n(HT20)\_LCH\_5260MHz\_Ant1\_NTNV



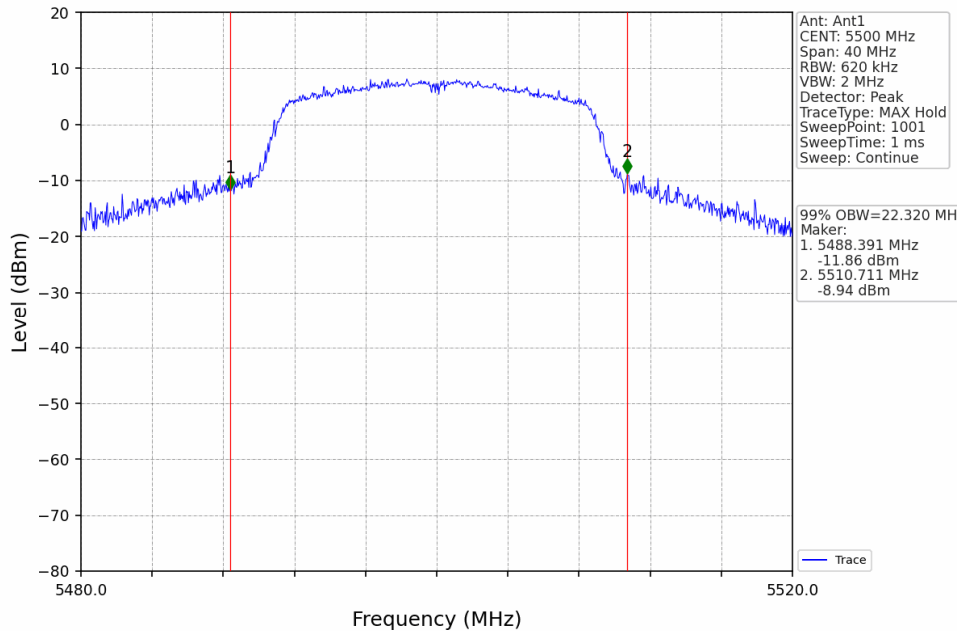
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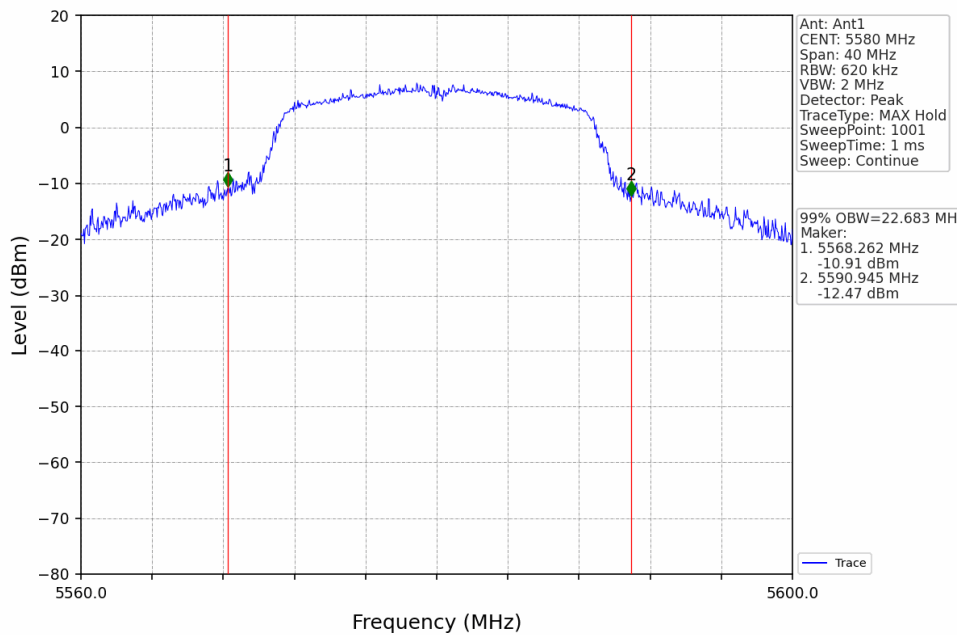
### 802.11n(HT20)\_HCH\_5320MHz\_Ant1\_NTNV



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



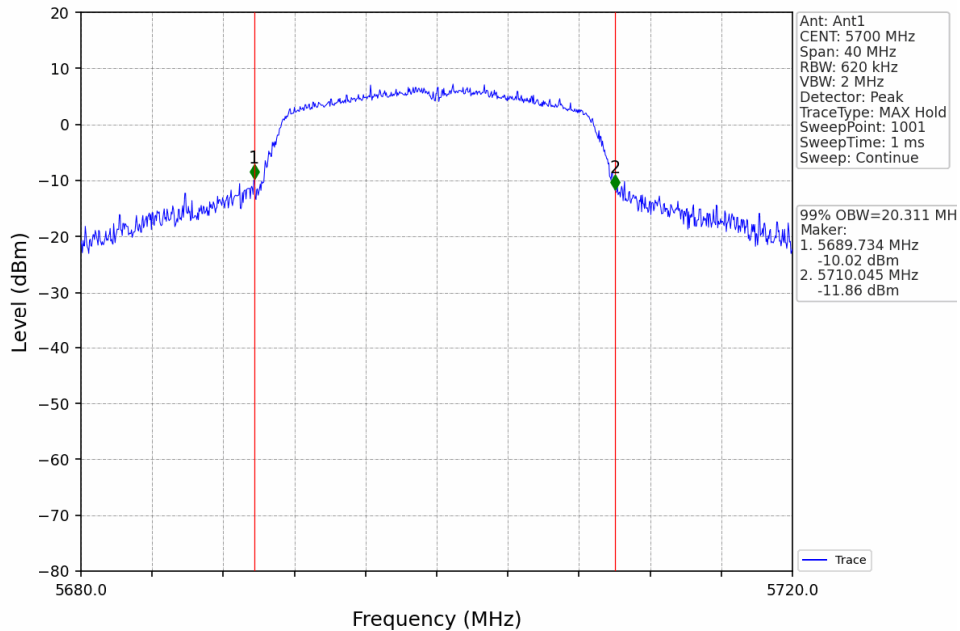
### 802.11n(HT20)\_MCH\_5580MHz\_Ant1\_NTNV



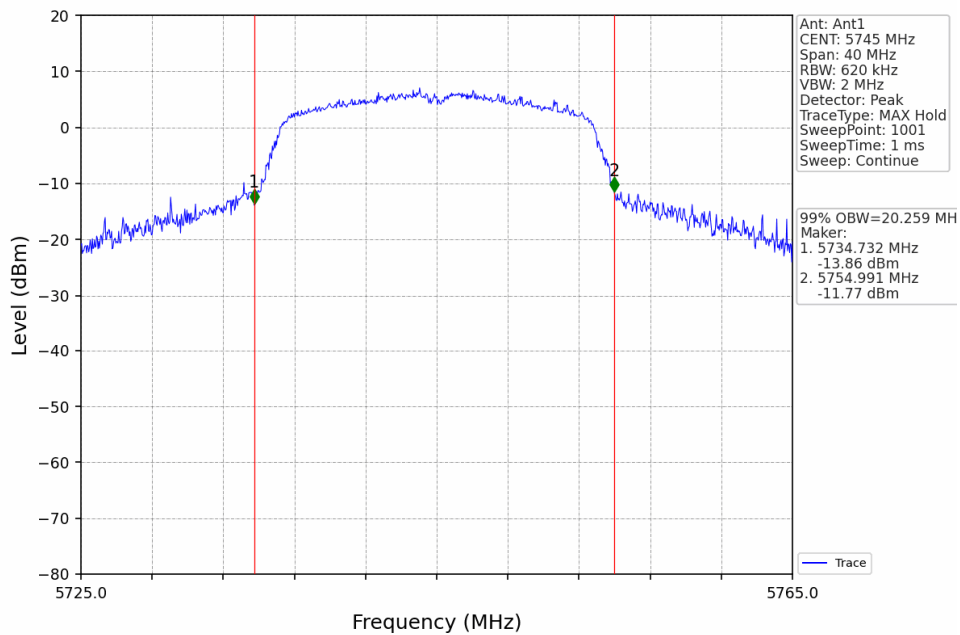
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802.11n(HT20)\_HCH\_5700MHz\_Ant1\_NTNV



802.11n(HT20)\_LCH\_5745MHz\_Ant1\_NTNV

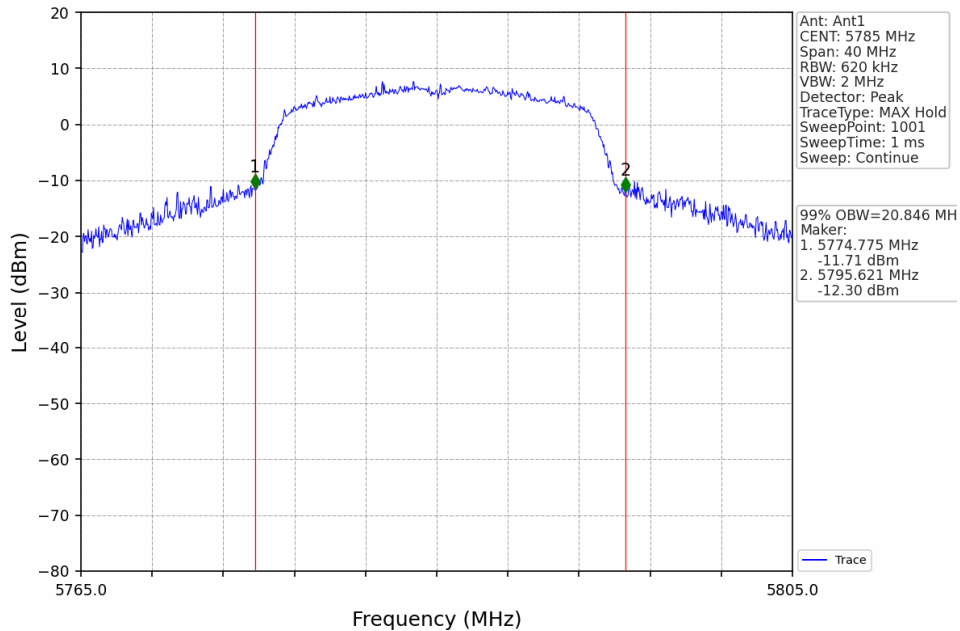


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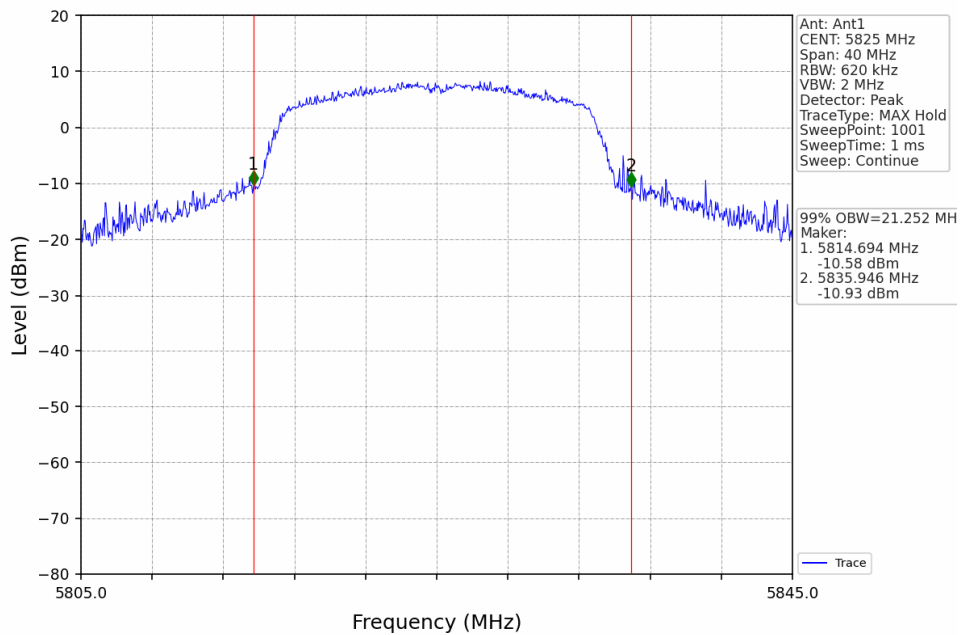
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802.11n(HT20)\_MCH\_5785MHz\_Ant1\_NTNV



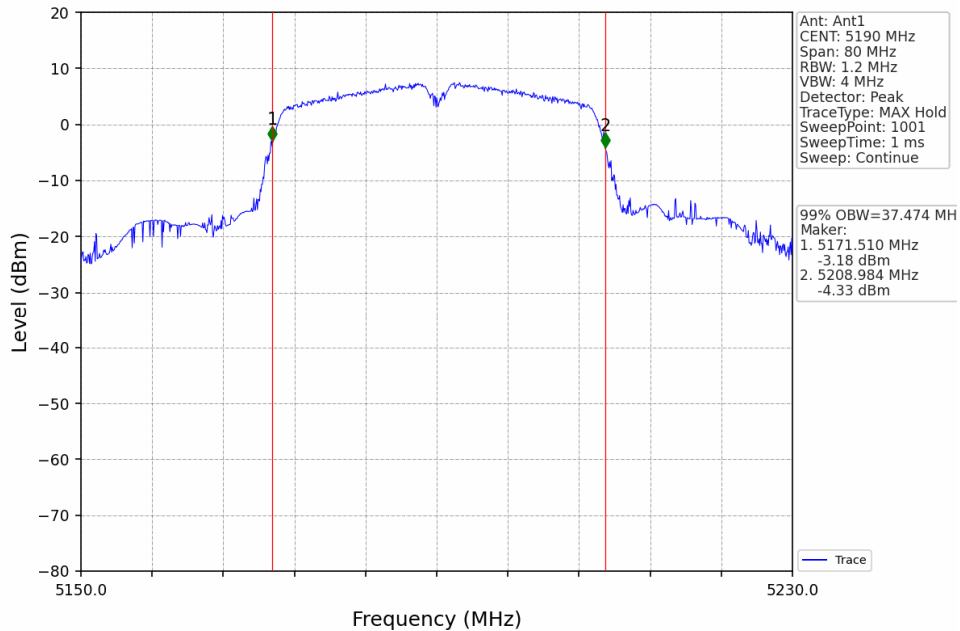
802.11n(HT20)\_HCH\_5825MHz\_Ant1\_NTNV



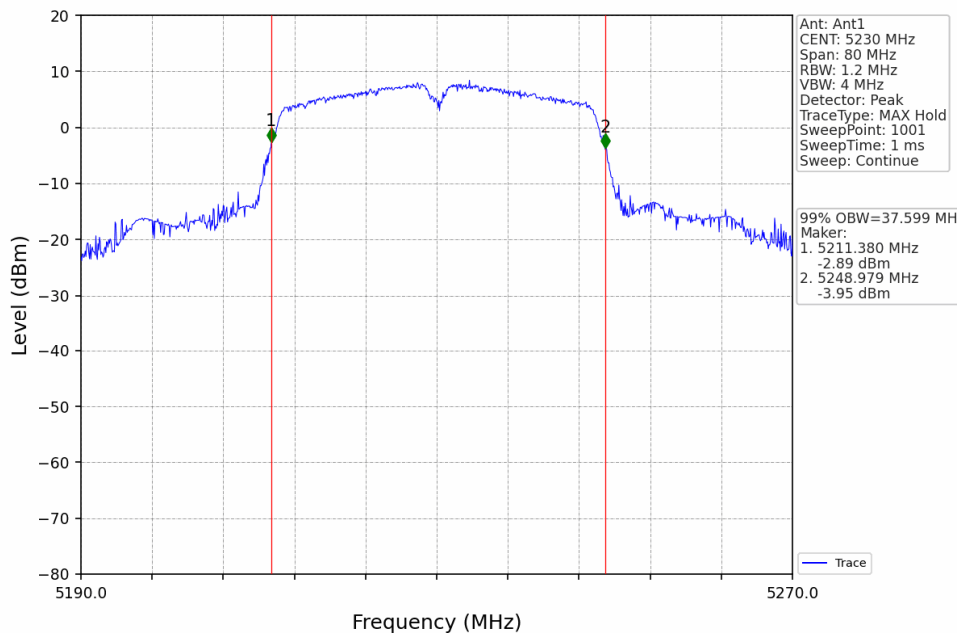
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### 802.11n(HT40)\_LCH\_5190MHz\_Ant1\_NTNV



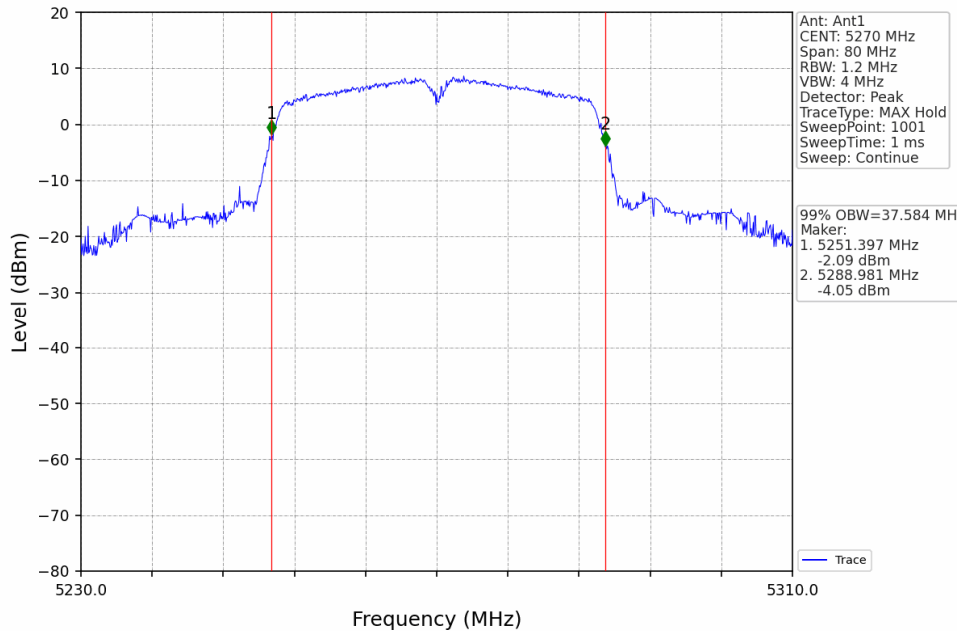
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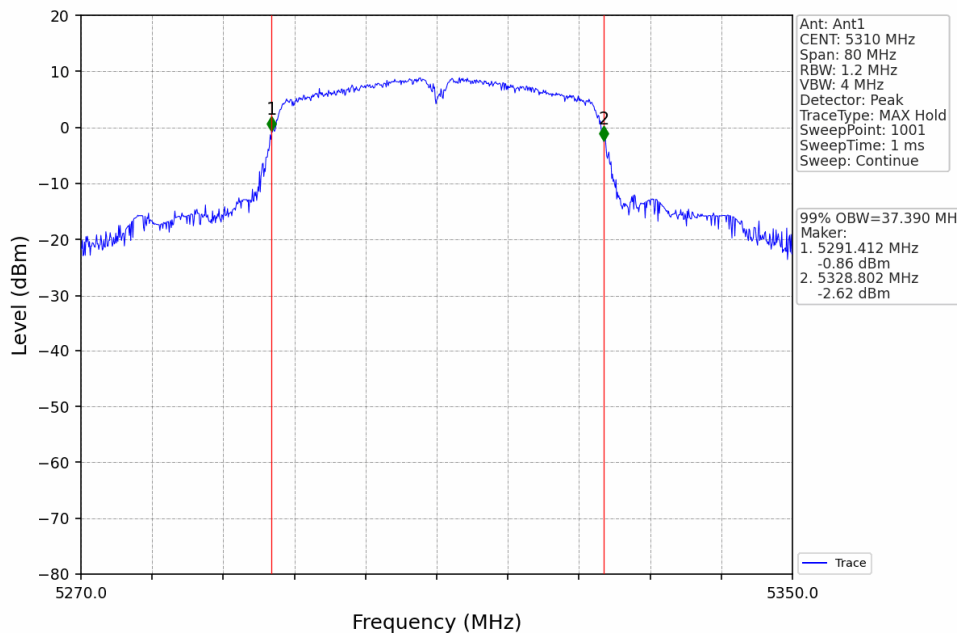
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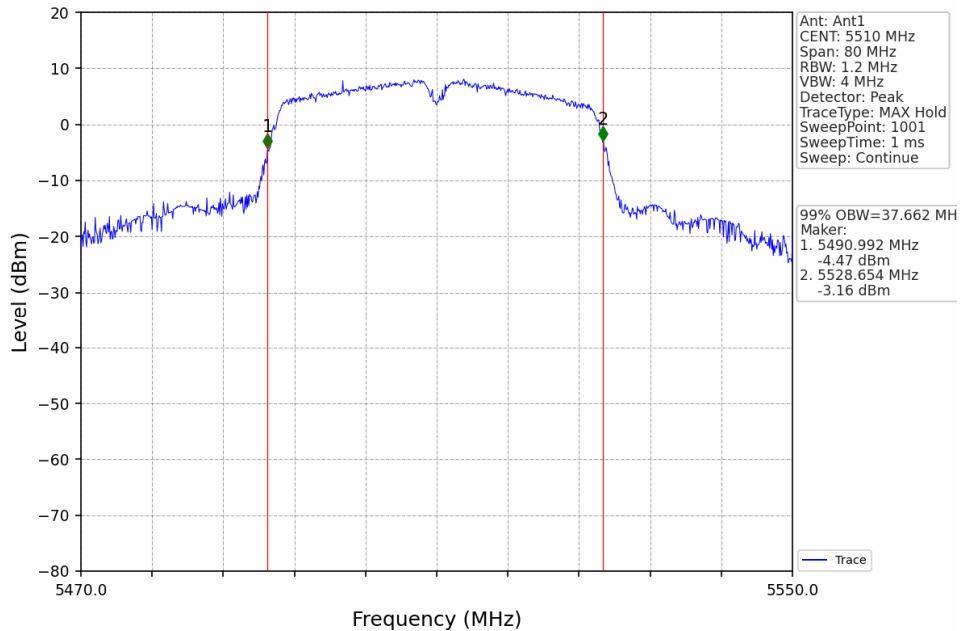
802.11n(HT40)\_LCH\_5270MHz\_Ant1\_NTNV



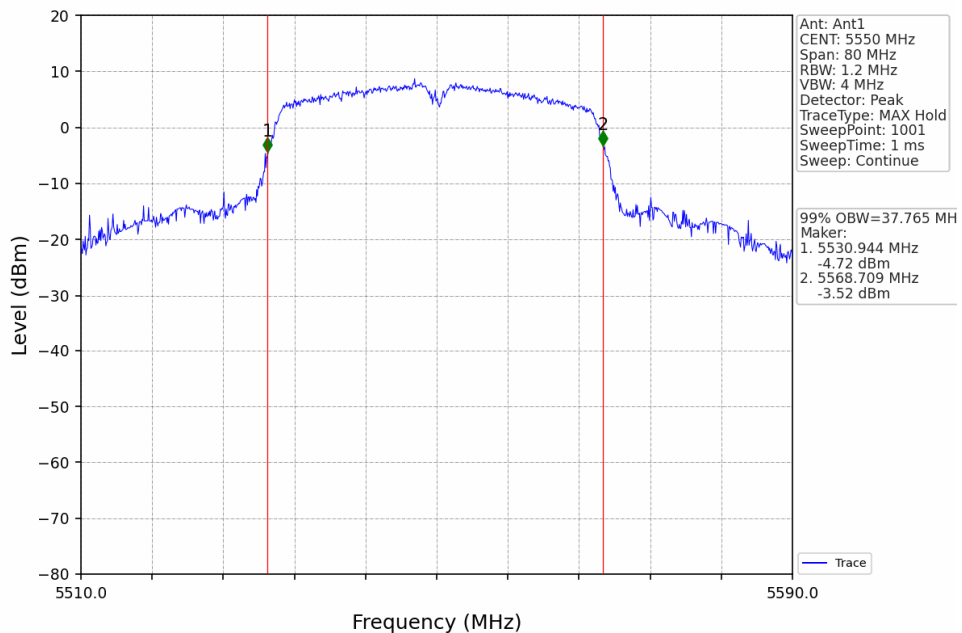
802.11n(HT40)\_HCH\_5310MHz\_Ant1\_NTNV



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



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

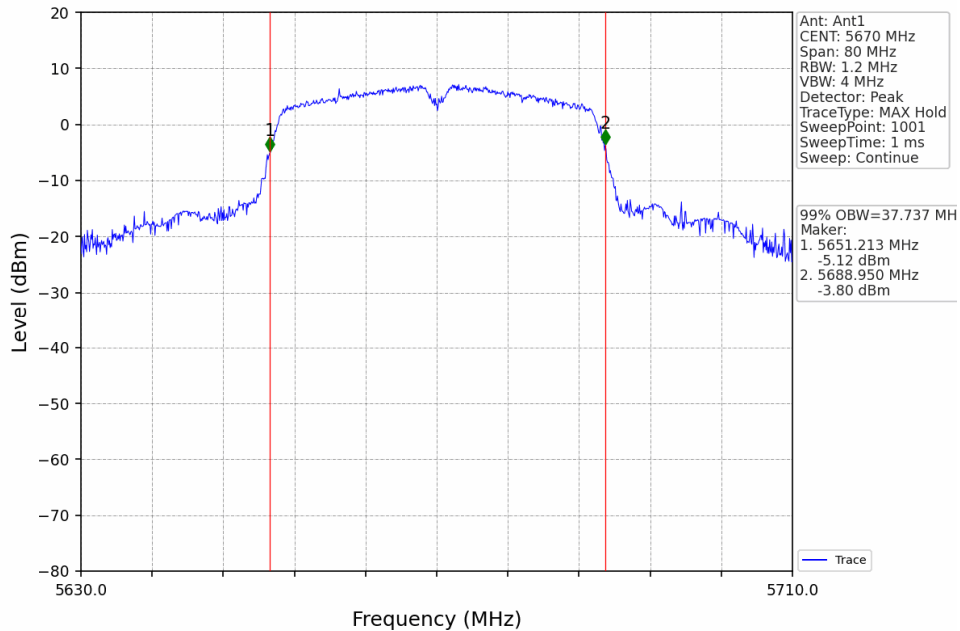


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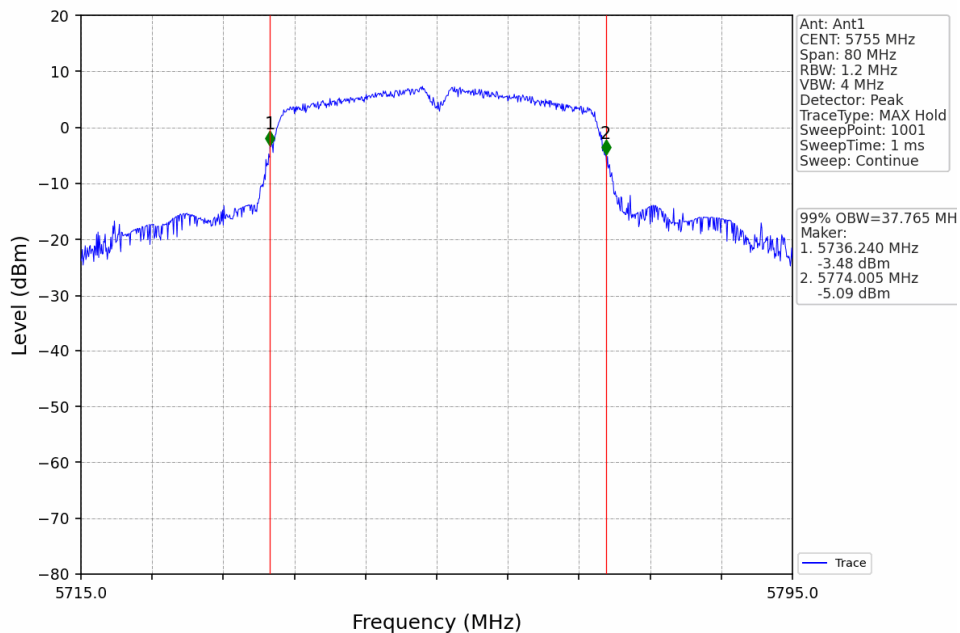
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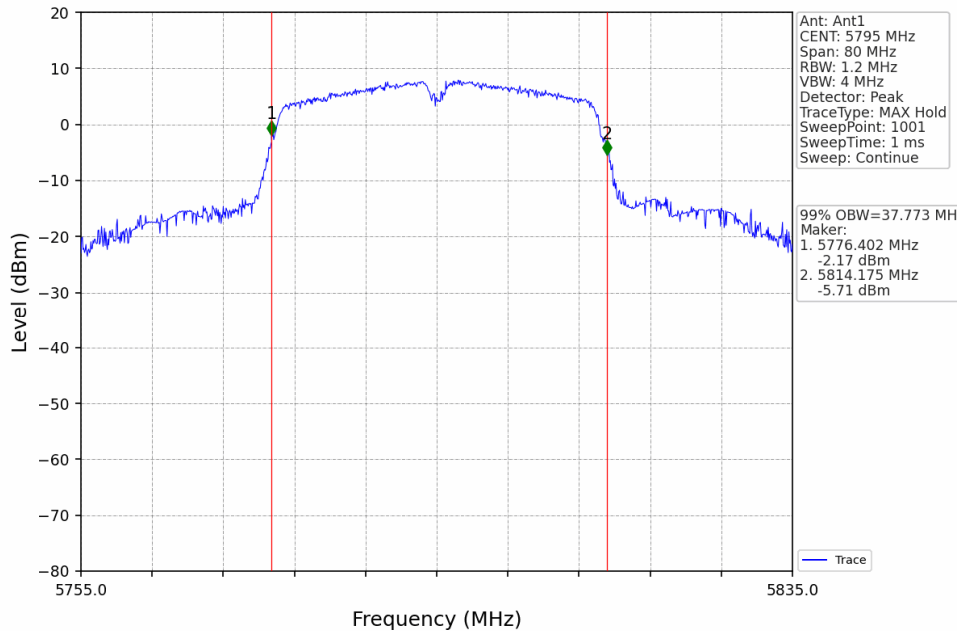
### 802.11n(HT40)\_HCH\_5670MHz\_Ant1\_NTNV



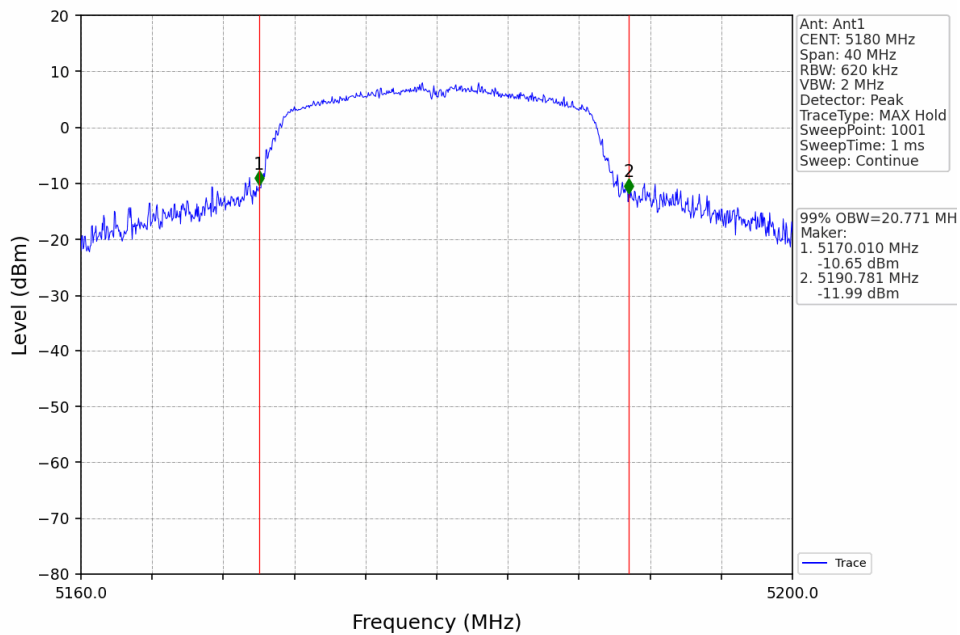
### 802.11n(HT40)\_LCH\_5755MHz\_Ant1\_NTNV



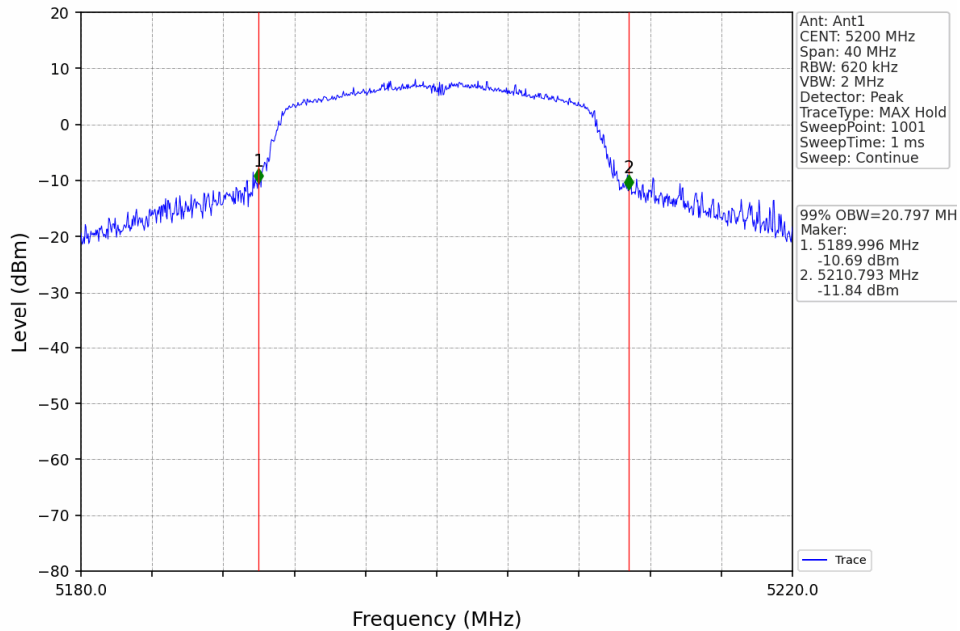
### 802.11n(HT40)\_HCH\_5795MHz\_Ant1\_NTNV



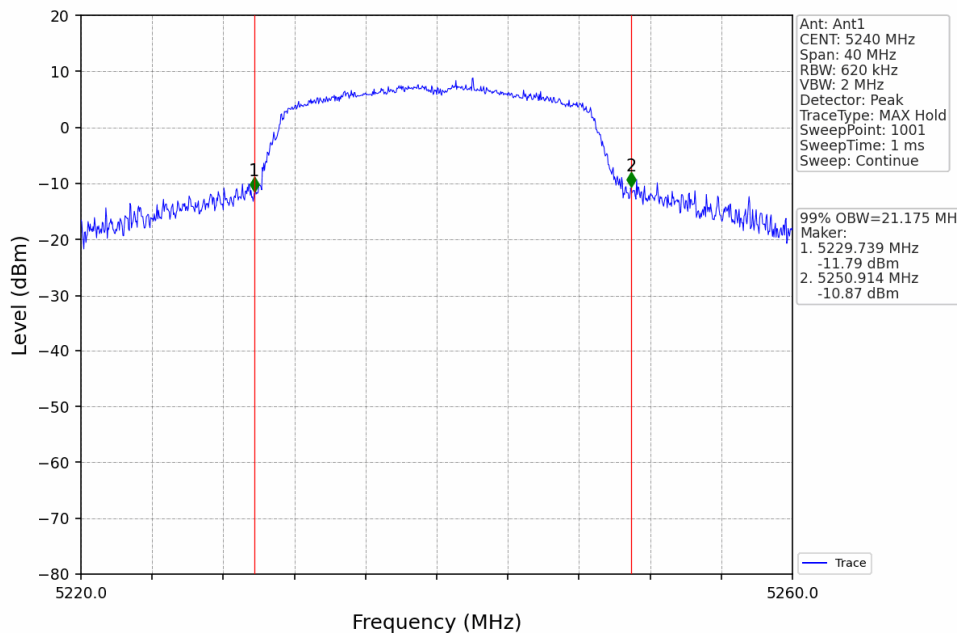
### 802.11ac(VHT20)\_LCH\_5180MHz\_Ant1\_NTNV



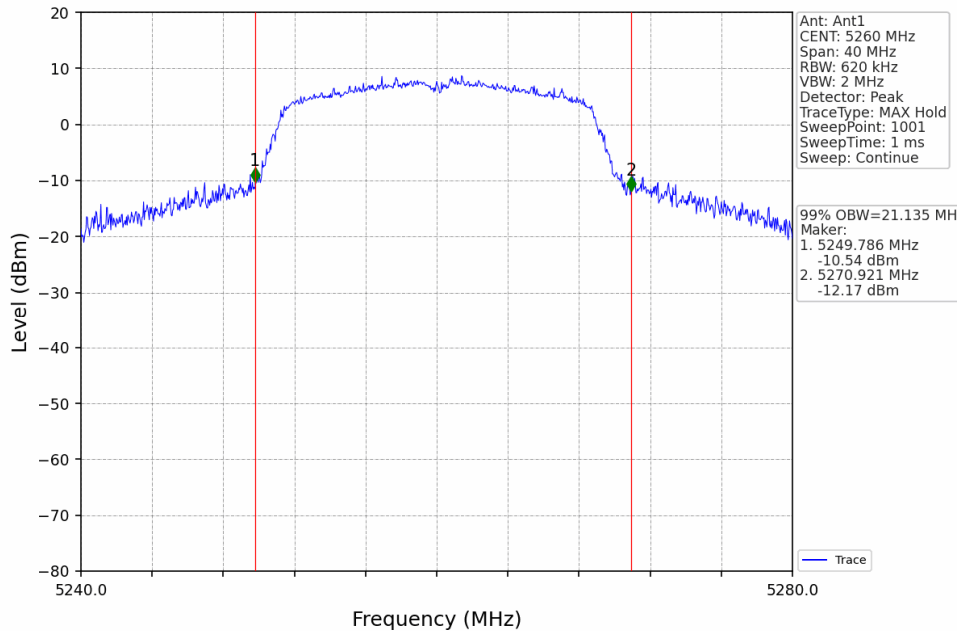
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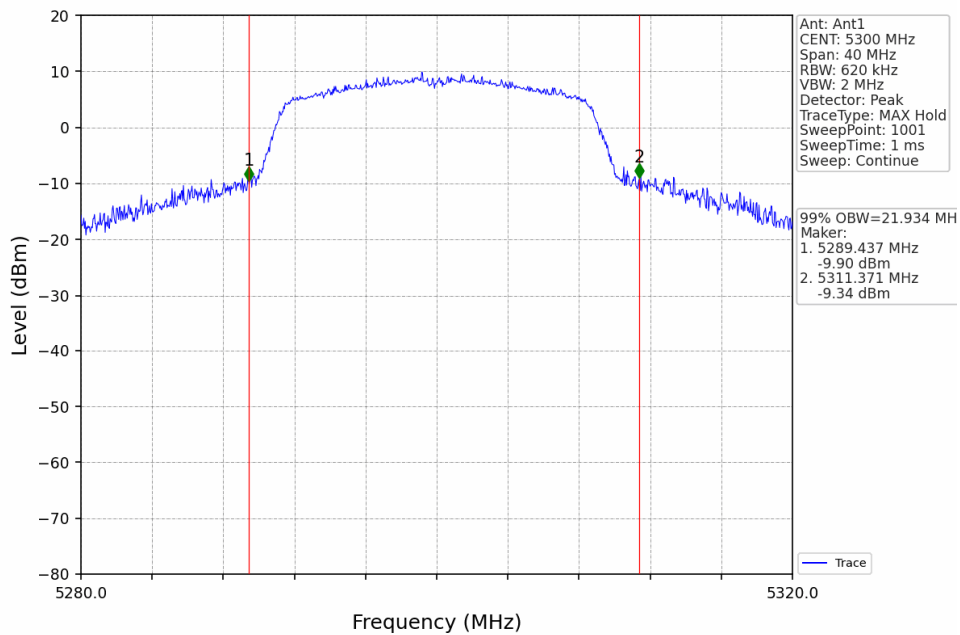
### 802.11ac(VHT20)\_HCH\_5240MHz\_Ant1\_NTNV



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

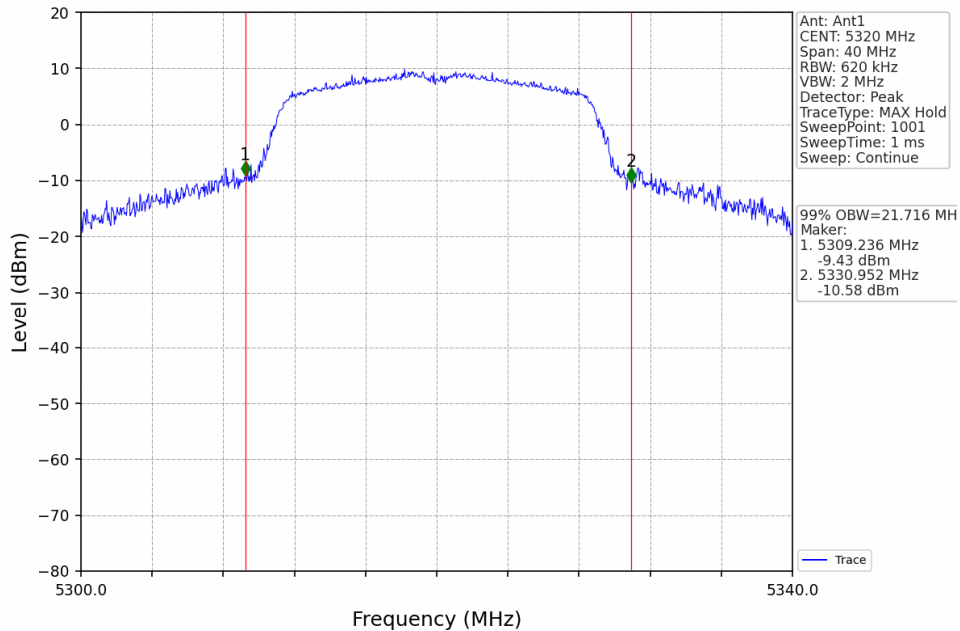


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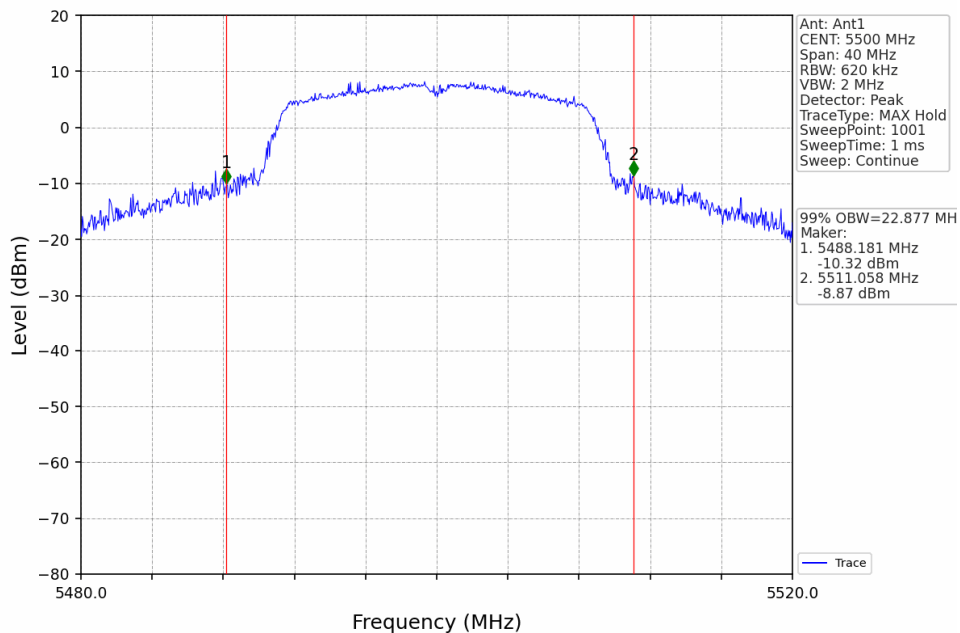




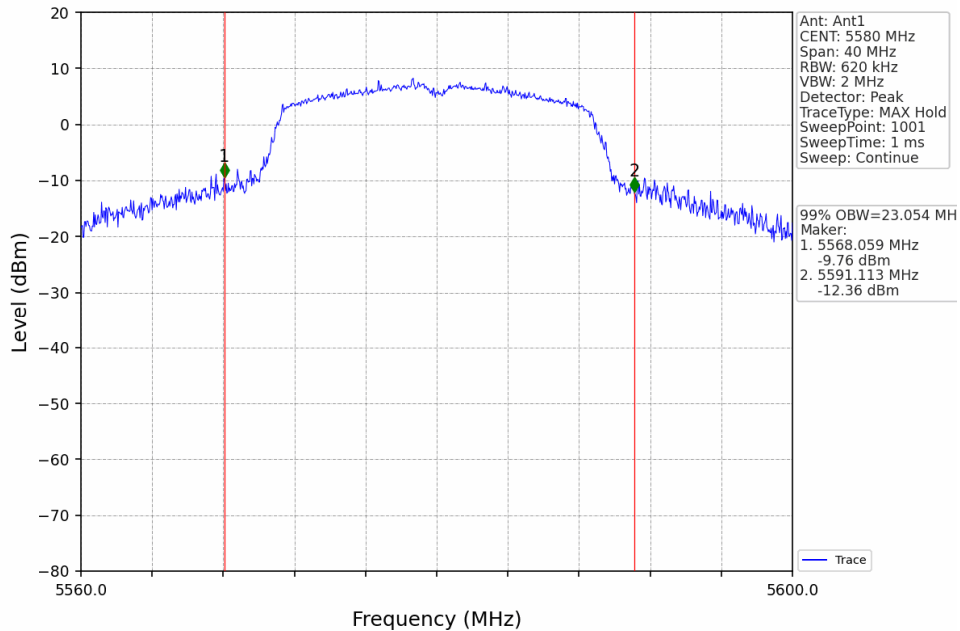
### 802.11ac(VHT20)\_HCH\_5320MHz\_Ant1\_NTNV



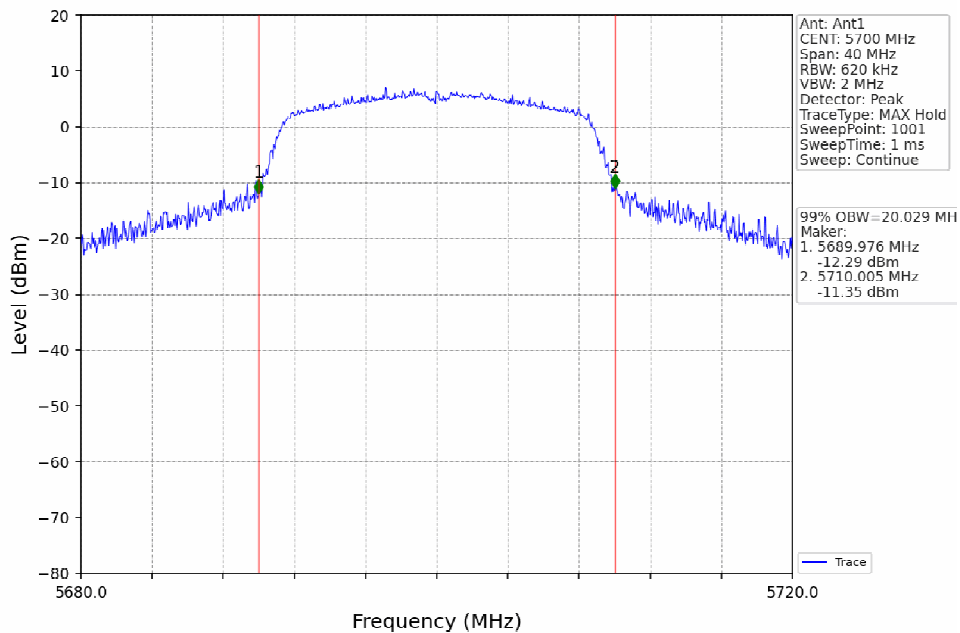
### 802.11ac(VHT20)\_LCH\_5500MHz\_Ant1\_NTNV



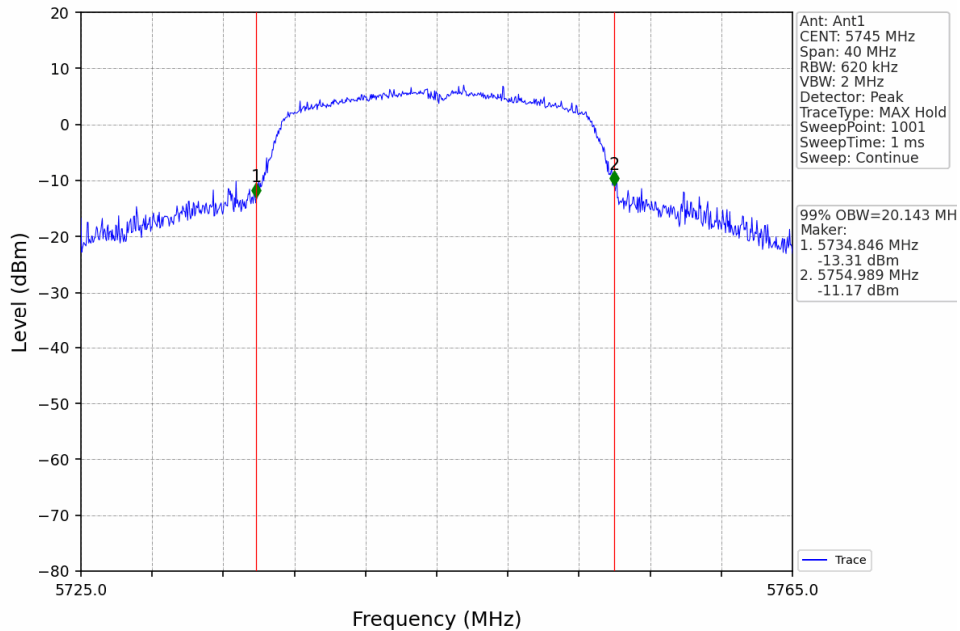
### 802.11ac(VHT20)\_MCH\_5580MHz\_Ant1\_NTNV



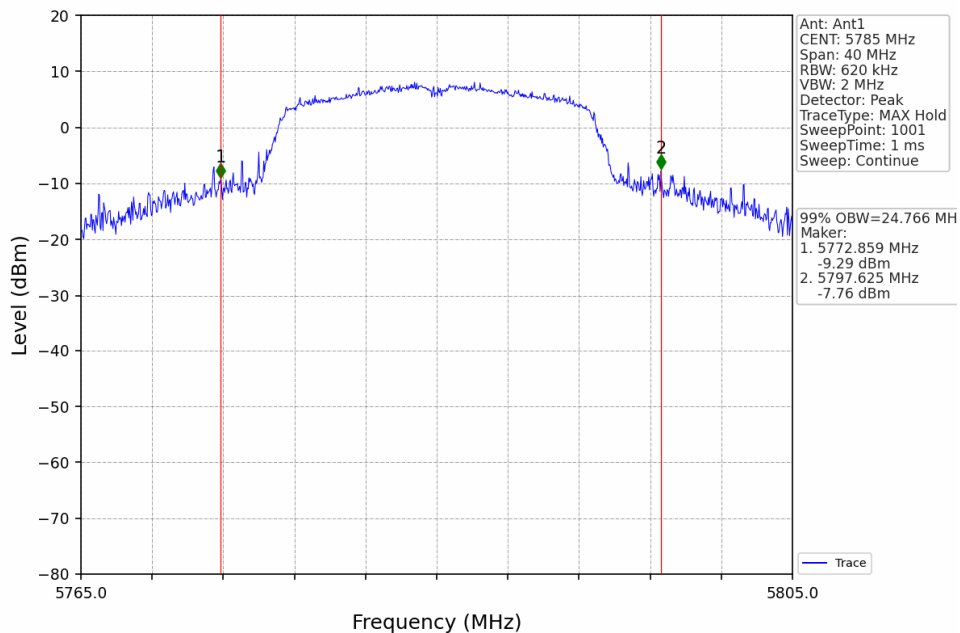
### 802.11ac(VHT20)\_HCH\_5700MHz\_Ant1\_NTNV



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



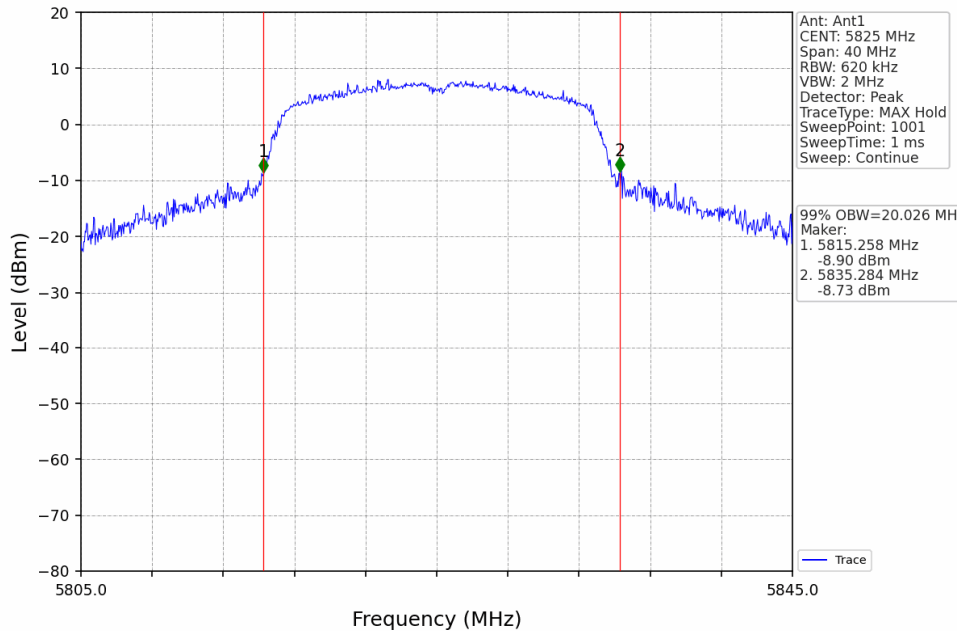
### 802.11ac(VHT20)\_MCH\_5785MHz\_Ant1\_NTNV



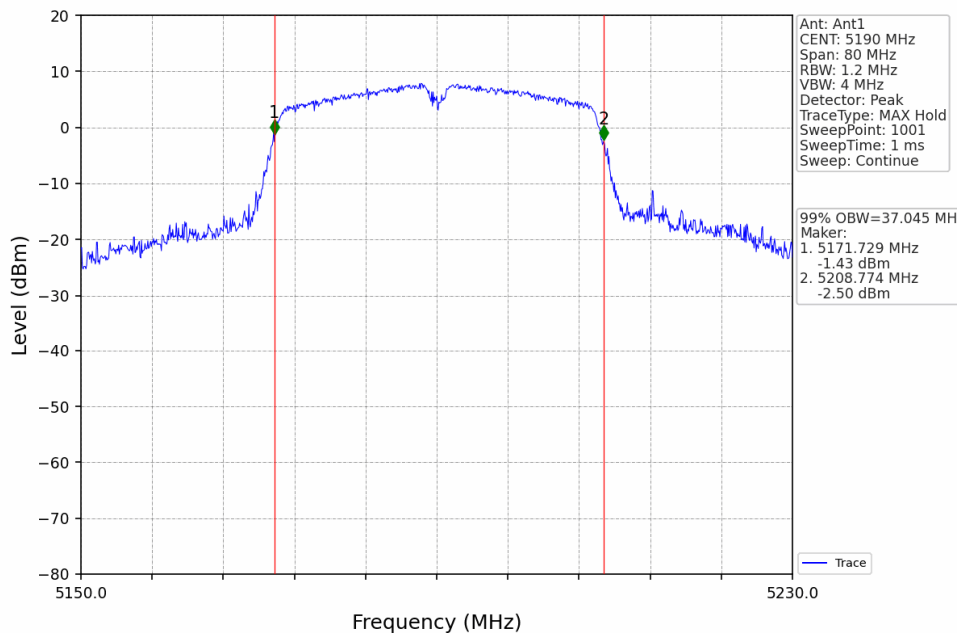
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### 802.11ac(VHT20)\_HCH\_5825MHz\_Ant1\_NTNV



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

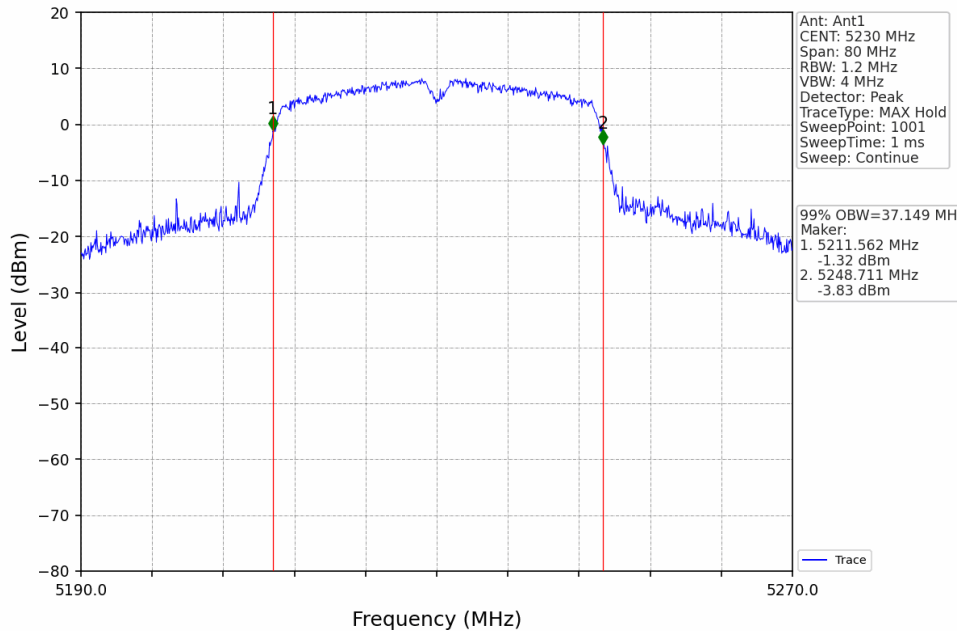


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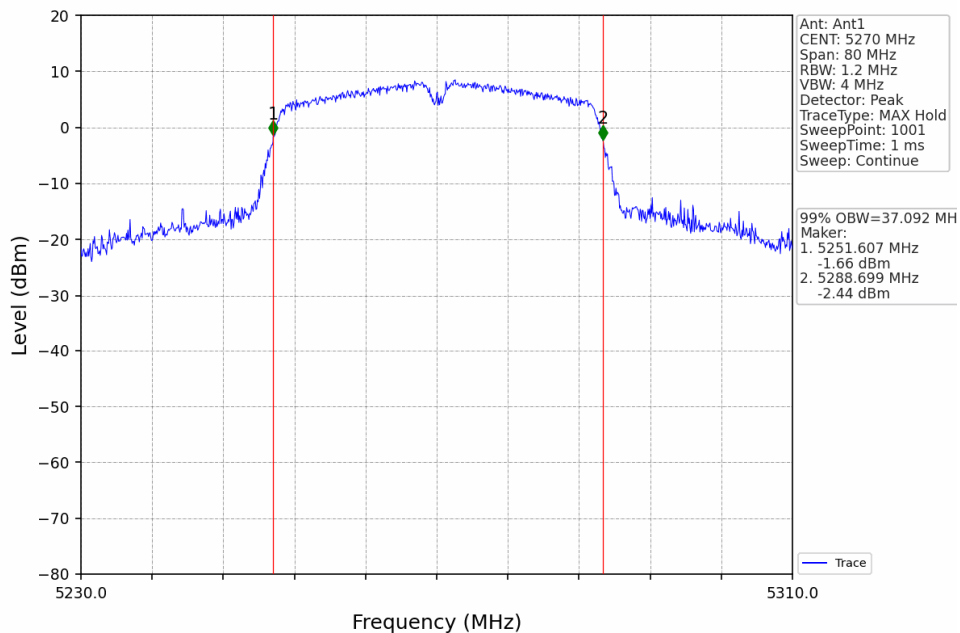
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### 802.11ac(VHT40)\_HCH\_5230MHz\_Ant1\_NTNV



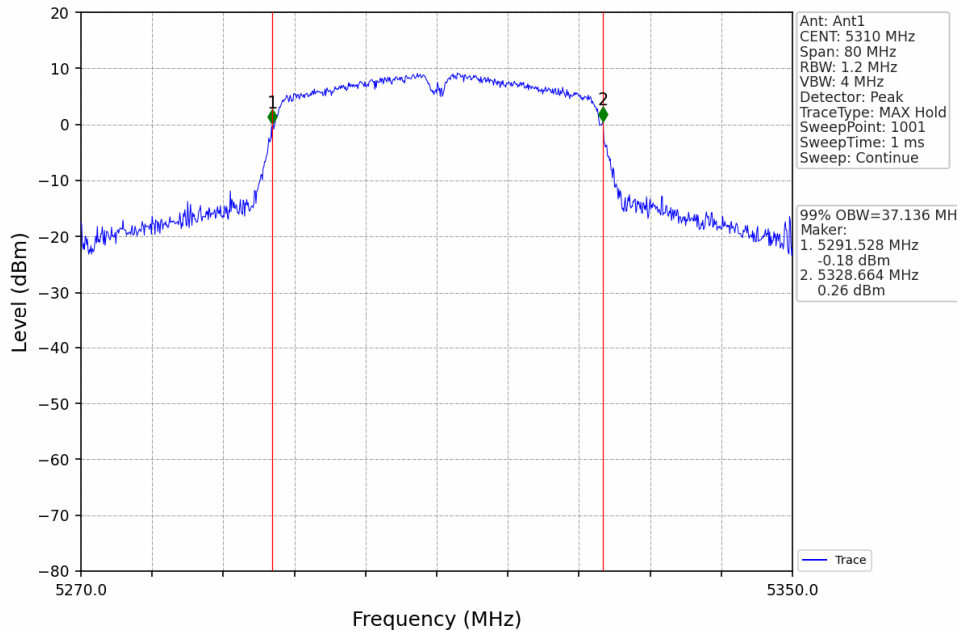
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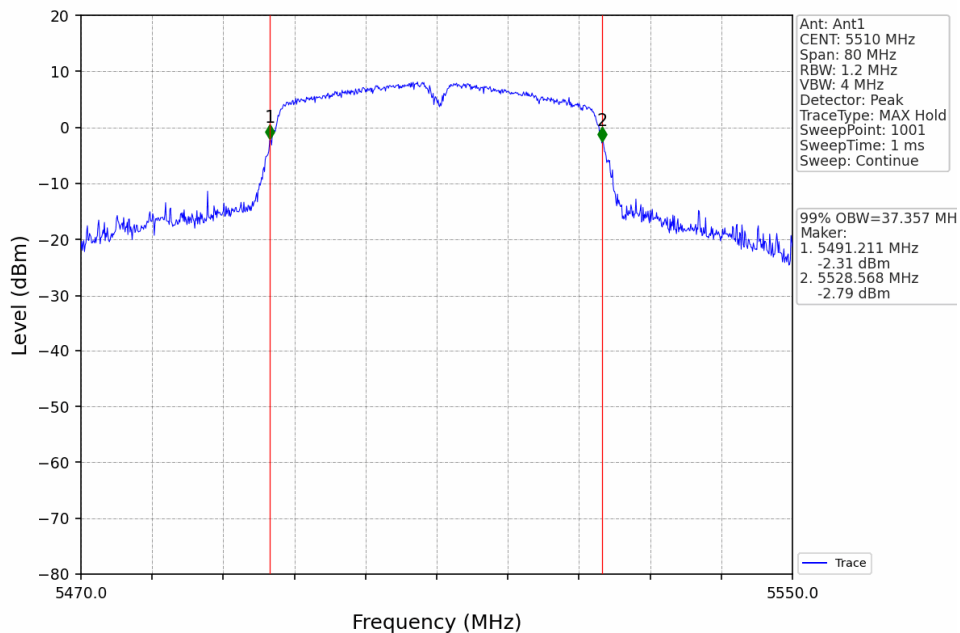
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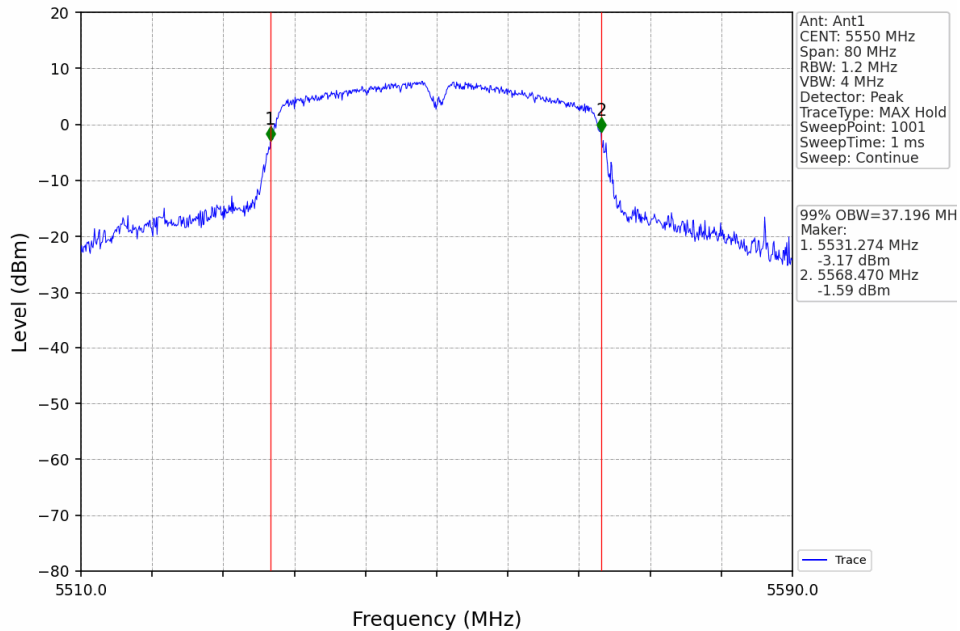
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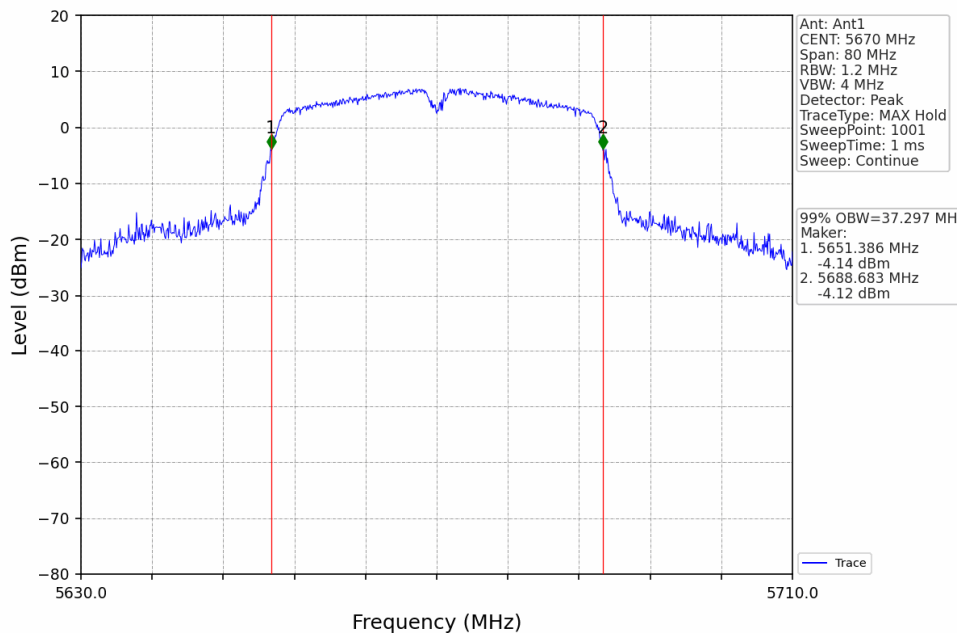
### 802.11ac(VHT40)\_LCH\_5510MHz\_Ant1\_NTNV



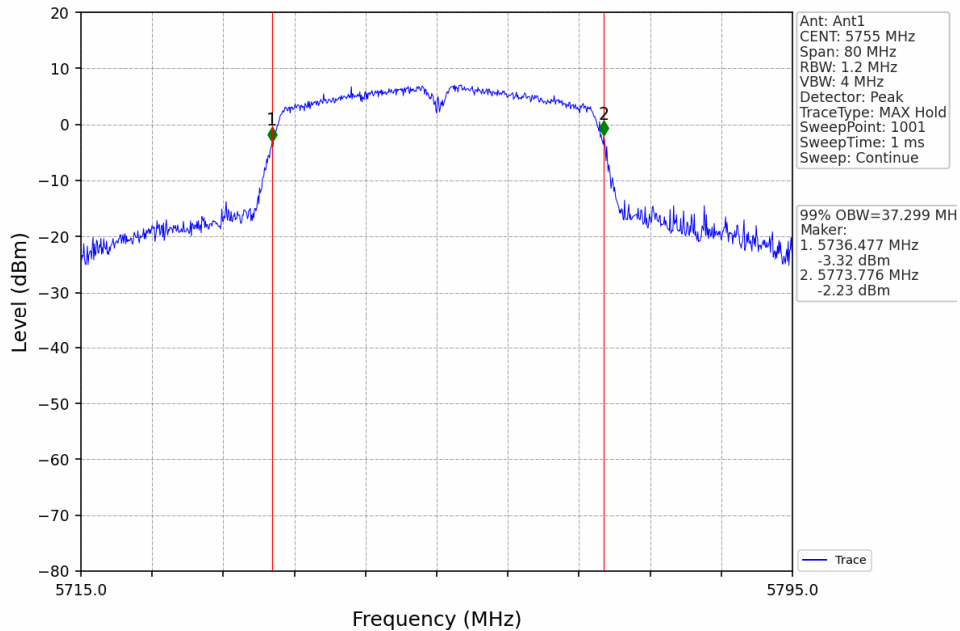
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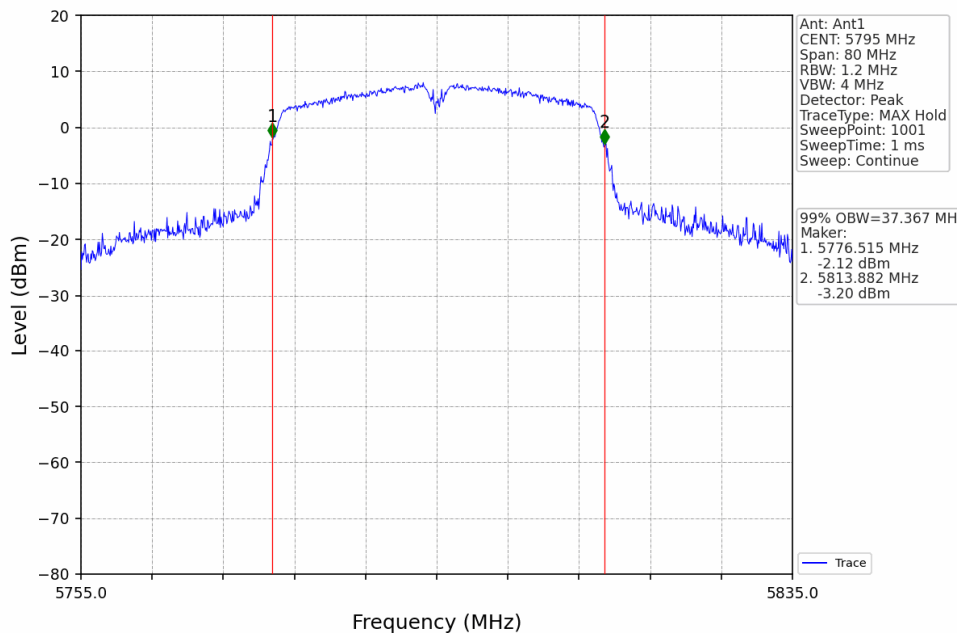
### 802.11ac(VHT40)\_HCH\_5670MHz\_Ant1\_NTNV



802.11ac(VHT40)\_LCH\_5755MHz\_Ant1\_NTNV



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

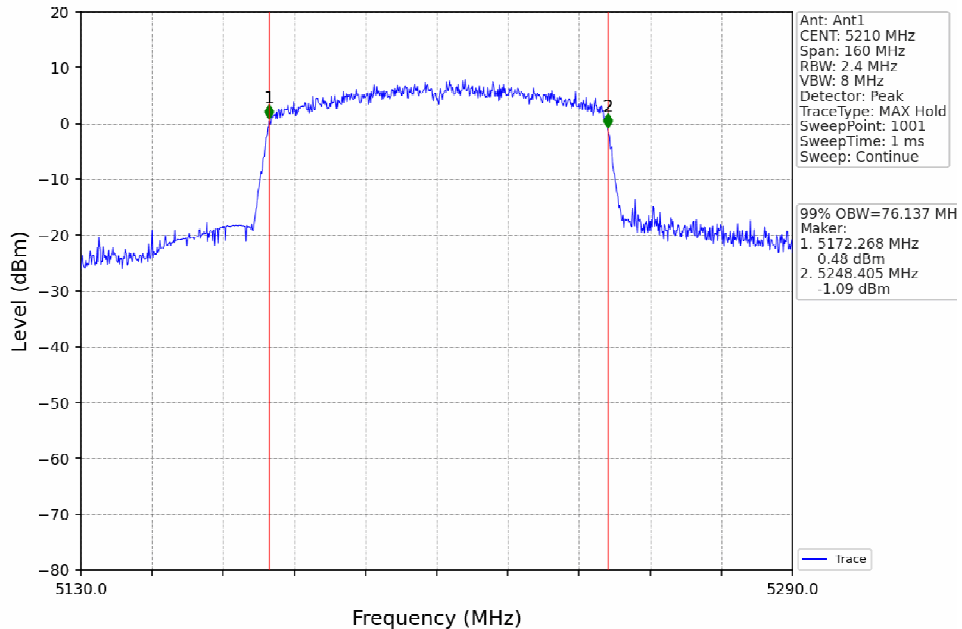


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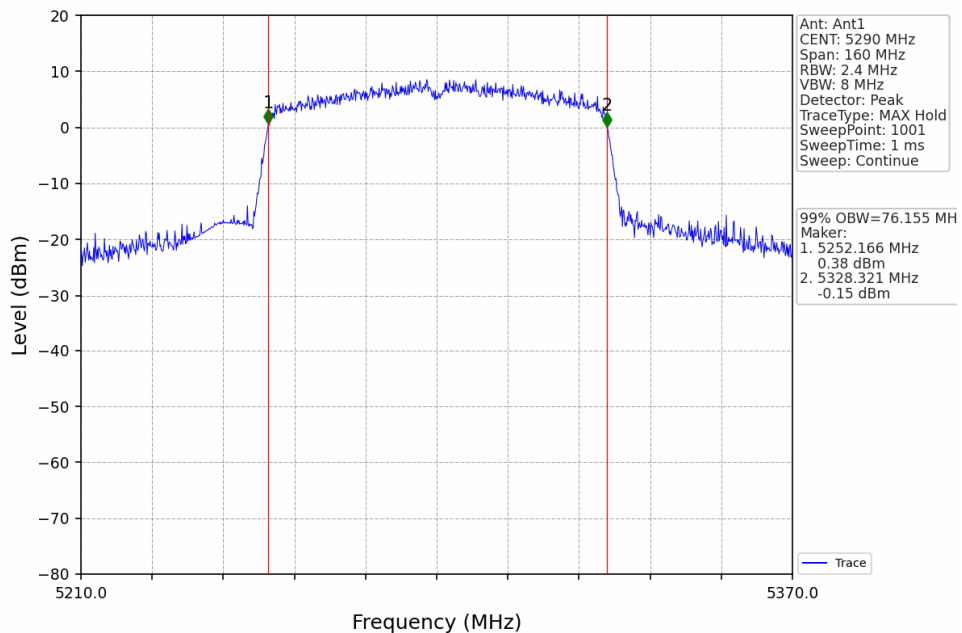
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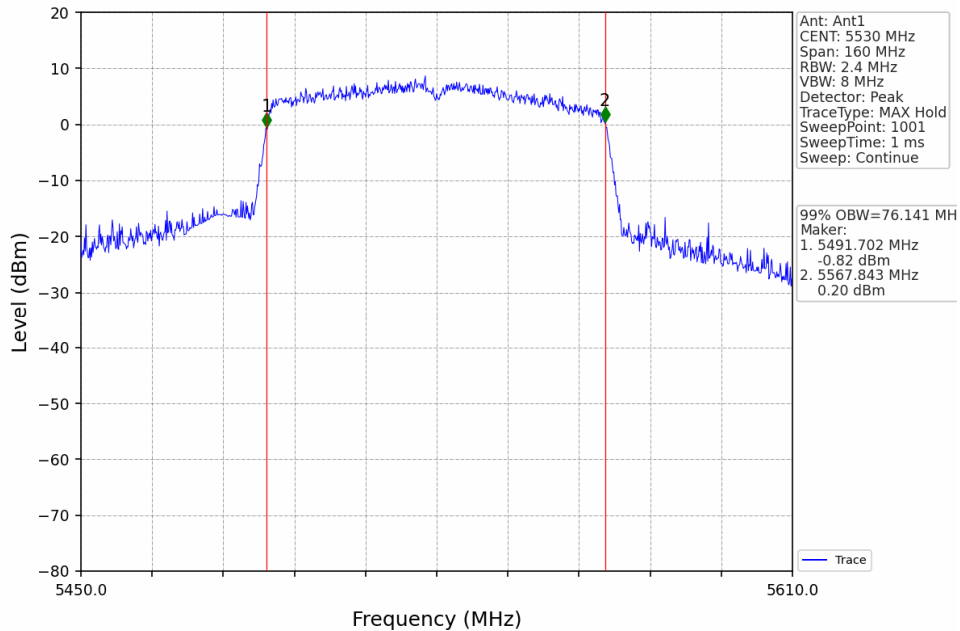
802.11ac(VHT80)\_MCH\_5210MHz\_Ant1\_NTNV



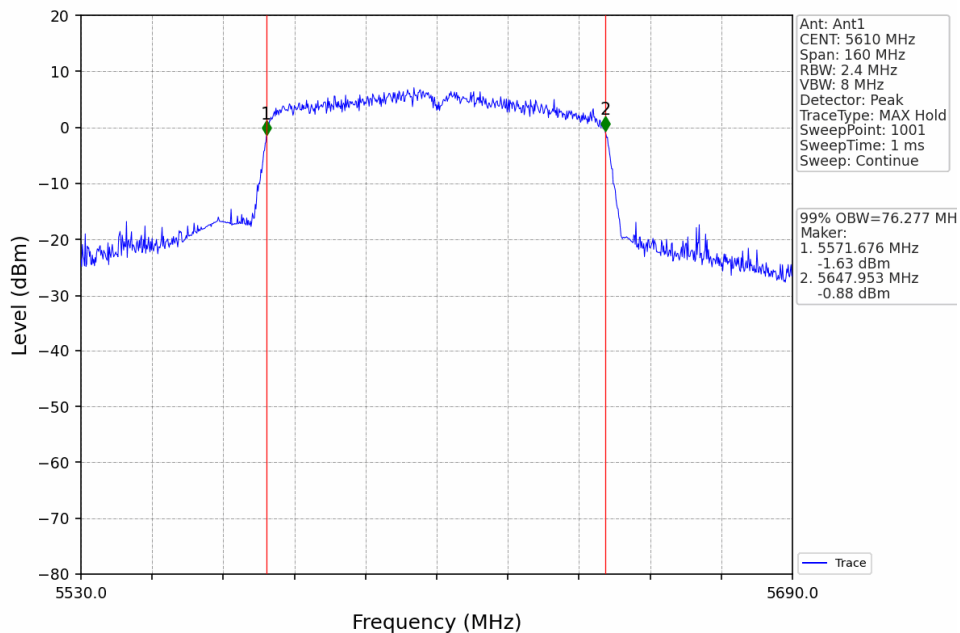
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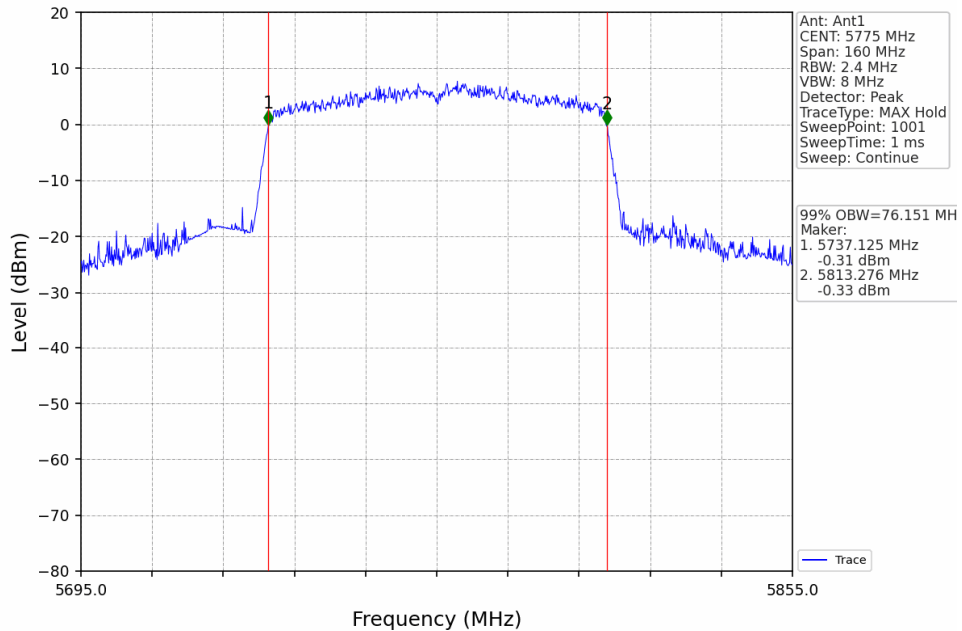
802.11ac(VHT80)\_LCH\_5530MHz\_Ant1\_NTNV



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



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



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## 2.2 6dB BW

### 2.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5745	1	15.139	$\geq 0.5$	Pass
		5785	1	15.130	$\geq 0.5$	Pass
		5825	1	15.157	$\geq 0.5$	Pass
802.11n (HT20)	SISO	5745	1	15.153	$\geq 0.5$	Pass
		5785	1	15.159	$\geq 0.5$	Pass
		5825	1	15.061	$\geq 0.5$	Pass
802.11n (HT40)	SISO	5755	1	35.154	$\geq 0.5$	Pass
		5795	1	35.134	$\geq 0.5$	Pass
802.11ac (VHT20)	SISO	5745	1	15.154	$\geq 0.5$	Pass
		5785	1	15.154	$\geq 0.5$	Pass
		5825	1	15.154	$\geq 0.5$	Pass
802.11ac (VHT40)	SISO	5755	1	35.154	$\geq 0.5$	Pass
		5795	1	35.147	$\geq 0.5$	Pass
802.11ac (VHT80)	SISO	5775	1	75.163	$\geq 0.5$	Pass



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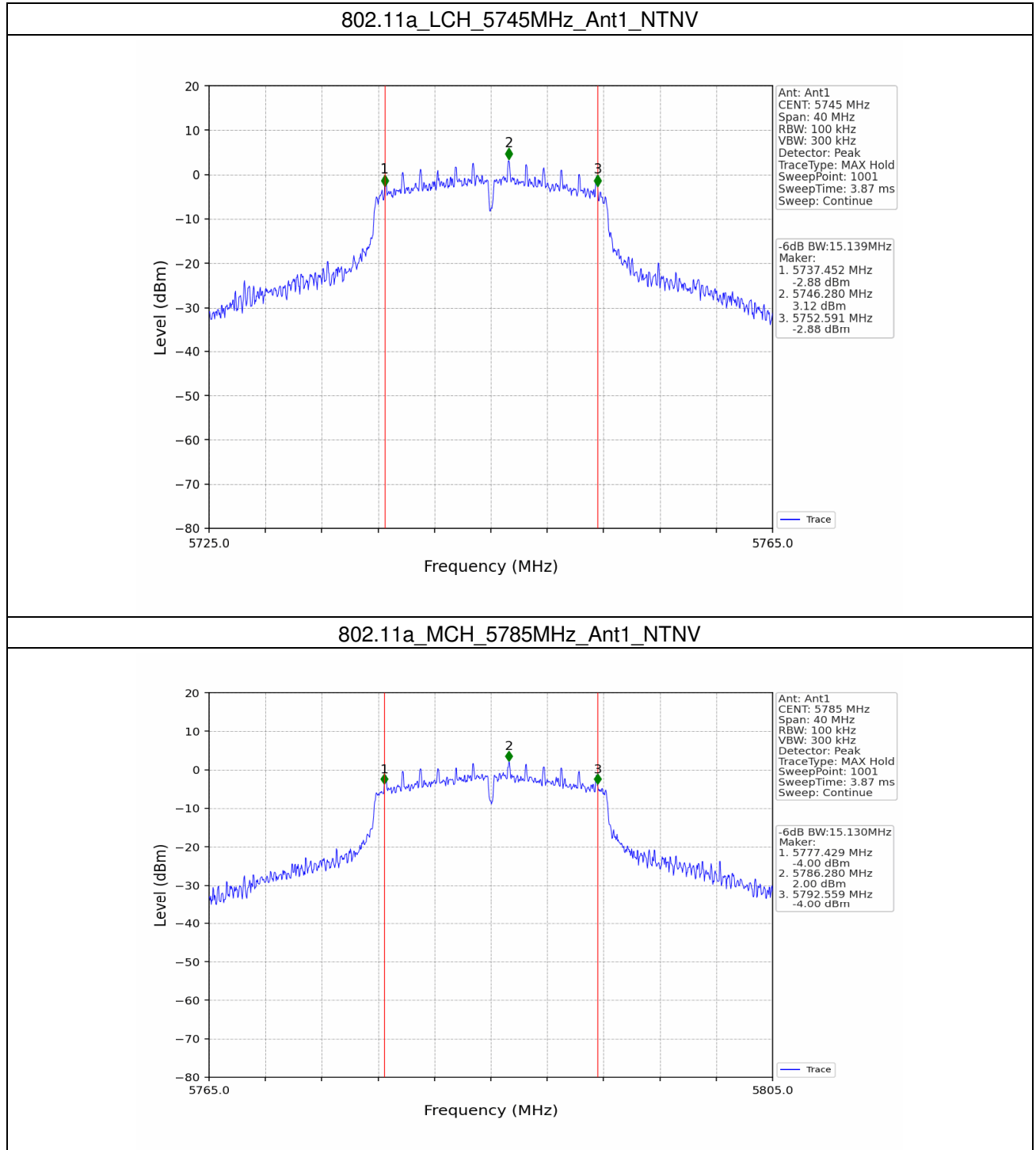
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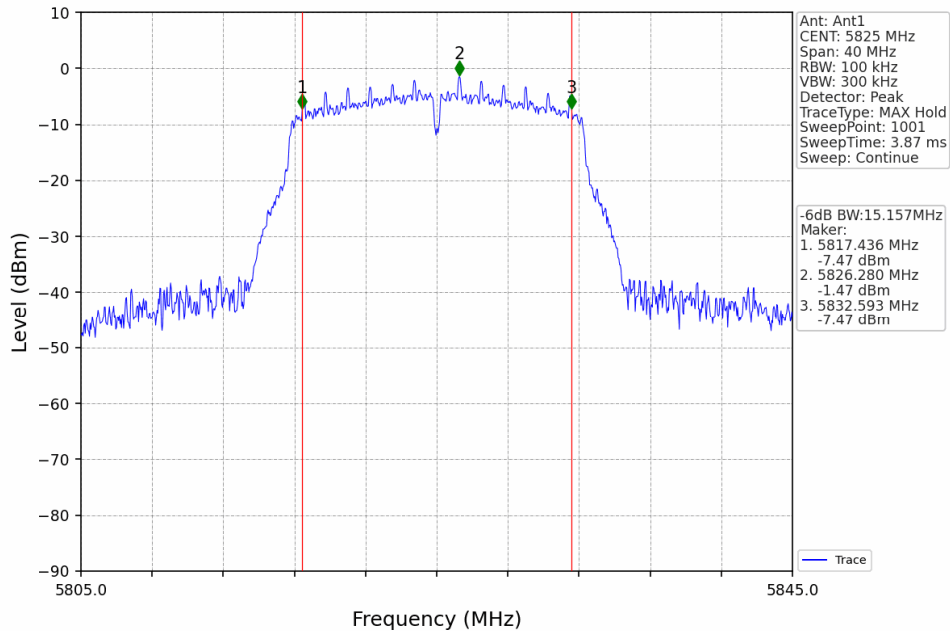
### 2.2.2 Test Graph



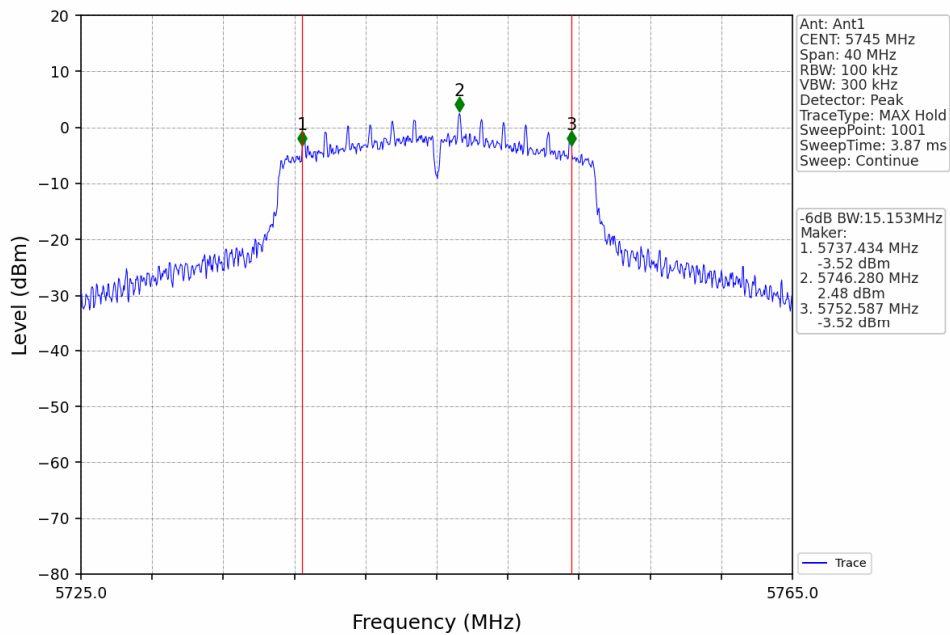
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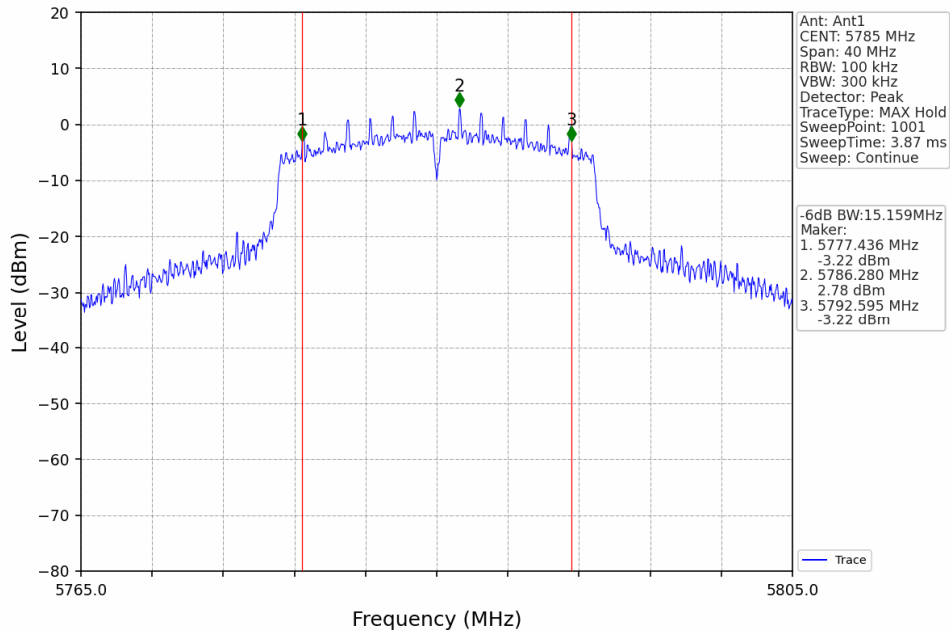
### 802.11a\_HCH\_5825MHz\_Ant1\_NTNV



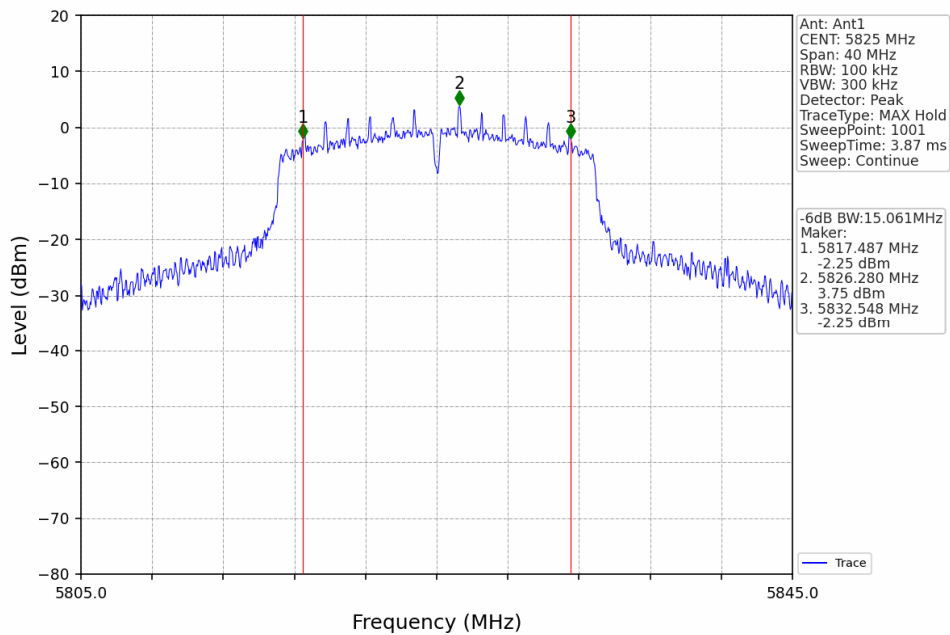
### 802.11n(HT20)\_LCH\_5745MHz\_Ant1\_NTNV



802.11n(HT20)\_MCH\_5785MHz\_Ant1\_NTNV



802.11n(HT20)\_HCH\_5825MHz\_Ant1\_NTNV



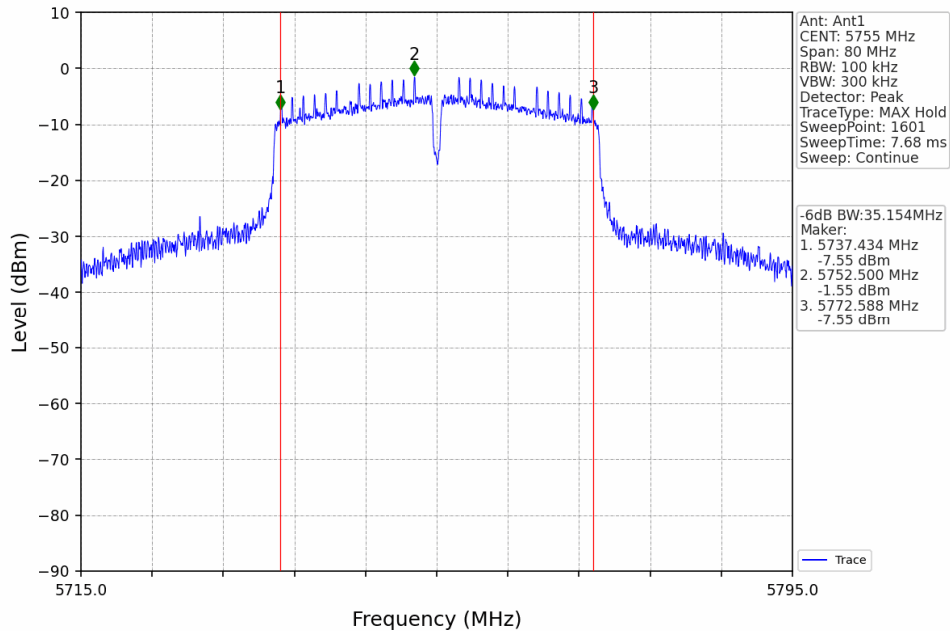
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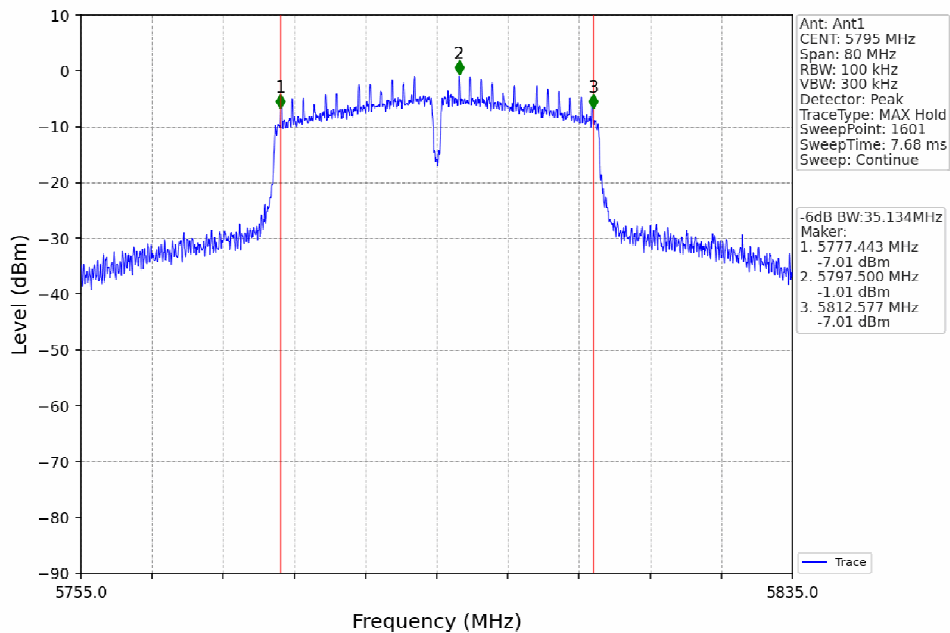
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### 802.11n(HT40)\_LCH\_5755MHz\_Ant1\_NTNV

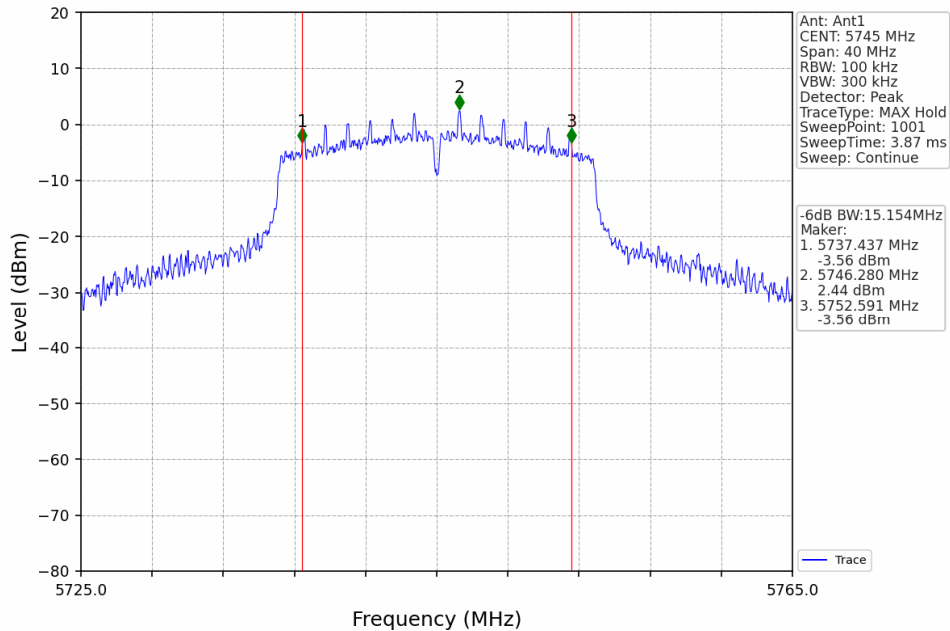


### 802.11n(HT40)\_HCH\_5795MHz\_Ant1\_NTNV

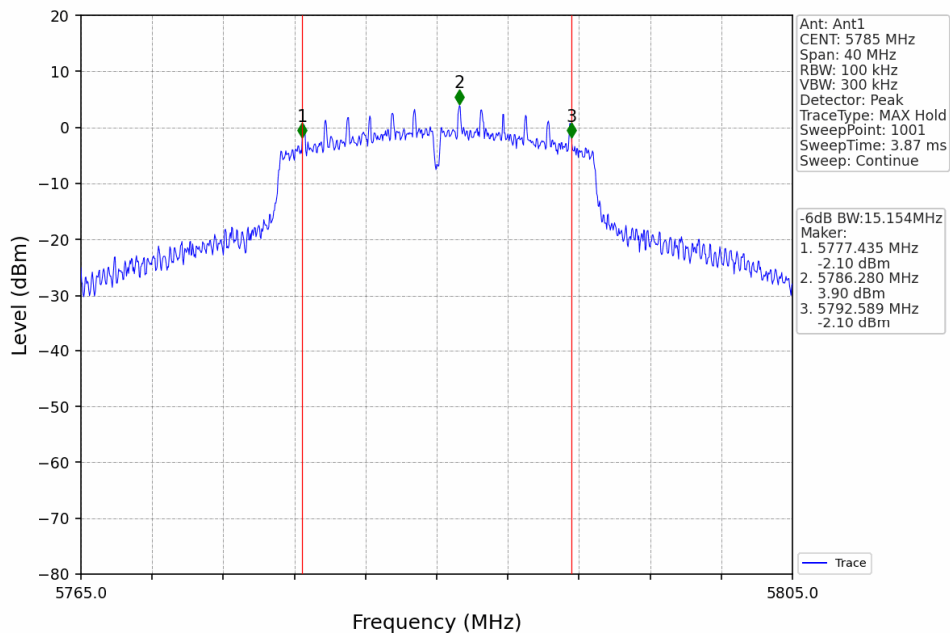




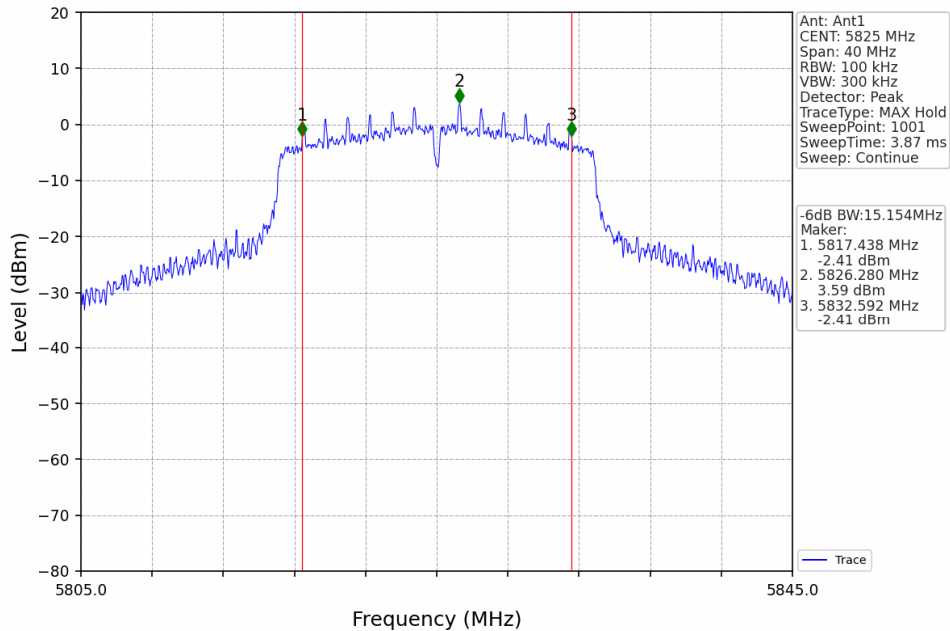
### 802.11ac(VHT20)\_LCH\_5745MHz\_Ant1\_NTNV



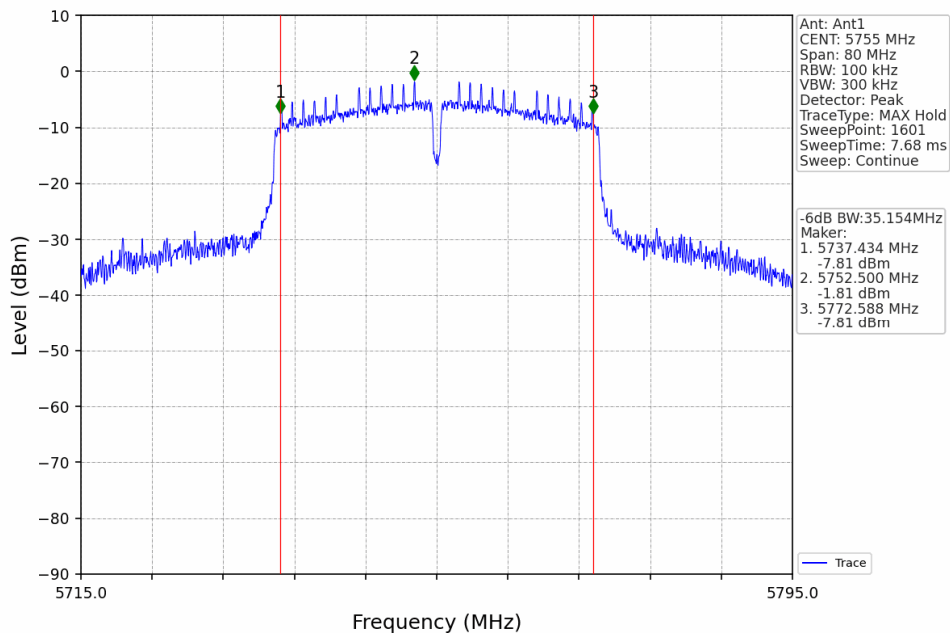
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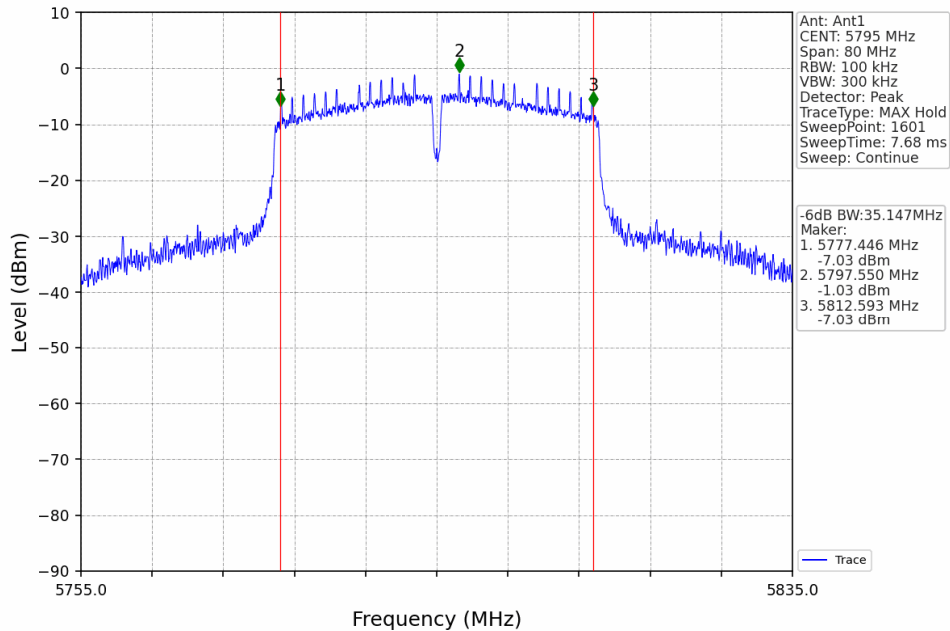
### 802.11ac(VHT20)\_HCH\_5825MHz\_Ant1\_NTNV



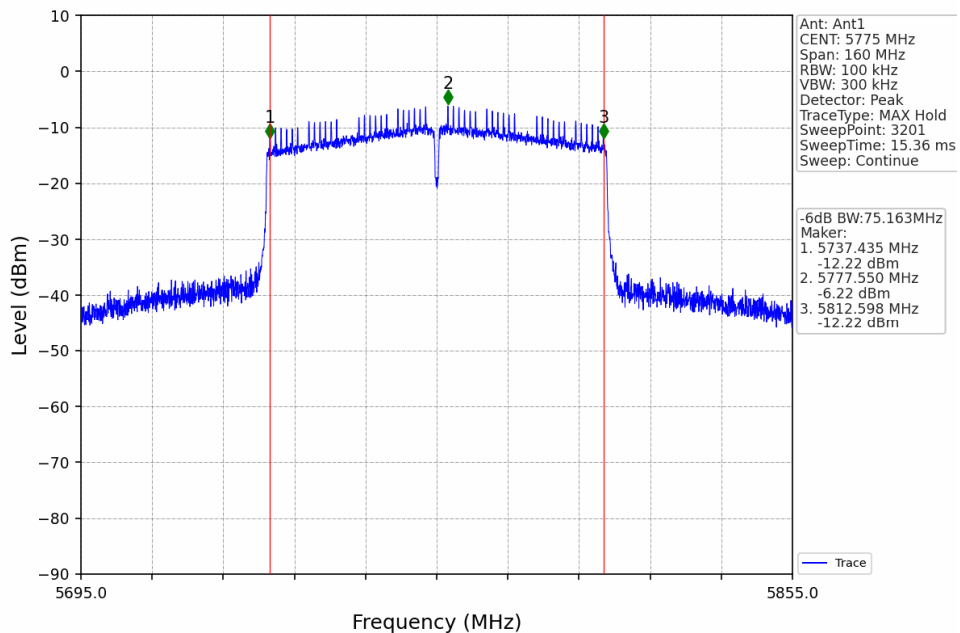
### 802.11ac(VHT40)\_LCH\_5755MHz\_Ant1\_NTNV



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



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



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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	30.815	Pass
		5200	1	31.939	Pass
		5240	1	33.445	Pass
		5260	1	33.016	Pass
		5300	1	32.897	Pass
		5320	1	33.622	Pass
		5500	1	35.861	Pass
		5580	1	34.247	Pass
802.11n (HT20)	SISO	5700	1	30.919	Pass
		5180	1	31.560	Pass
		5200	1	32.259	Pass
		5240	1	34.427	Pass
		5260	1	33.856	Pass
		5300	1	34.578	Pass
		5320	1	35.601	Pass
		5500	1	36.849	Pass
802.11n (HT40)	SISO	5580	1	35.089	Pass
		5700	1	33.060	Pass
		5190	1	62.687	Pass
		5230	1	61.242	Pass
		5270	1	61.511	Pass
		5310	1	60.618	Pass
		5510	1	65.783	Pass
802.11ac (VHT20)	SISO	5550	1	70.528	Pass
		5670	1	64.815	Pass
		5180	1	34.893	Pass
		5200	1	31.925	Pass
		5240	1	34.743	Pass
		5260	1	34.333	Pass
		5300	1	34.073	Pass
	SISO	5320	1	34.749	Pass
		5500	1	33.904	Pass
		5580	1	36.628	Pass



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Shenzhen Branch Testing & Calibration Laboratory

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

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

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		5700	1	32.543	Pass
802.11ac (VHT40)	SISO	5190	1	56.123	Pass
		5230	1	56.825	Pass
		5270	1	59.081	Pass
		5310	1	62.604	Pass
		5510	1	65.487	Pass
		5550	1	66.369	Pass
		5670	1	67.914	Pass
802.11ac (VHT80)	SISO	5210	1	117.096	Pass
		5290	1	89.508	Pass
		5530	1	92.363	Pass
		5610	1	98.831	Pass



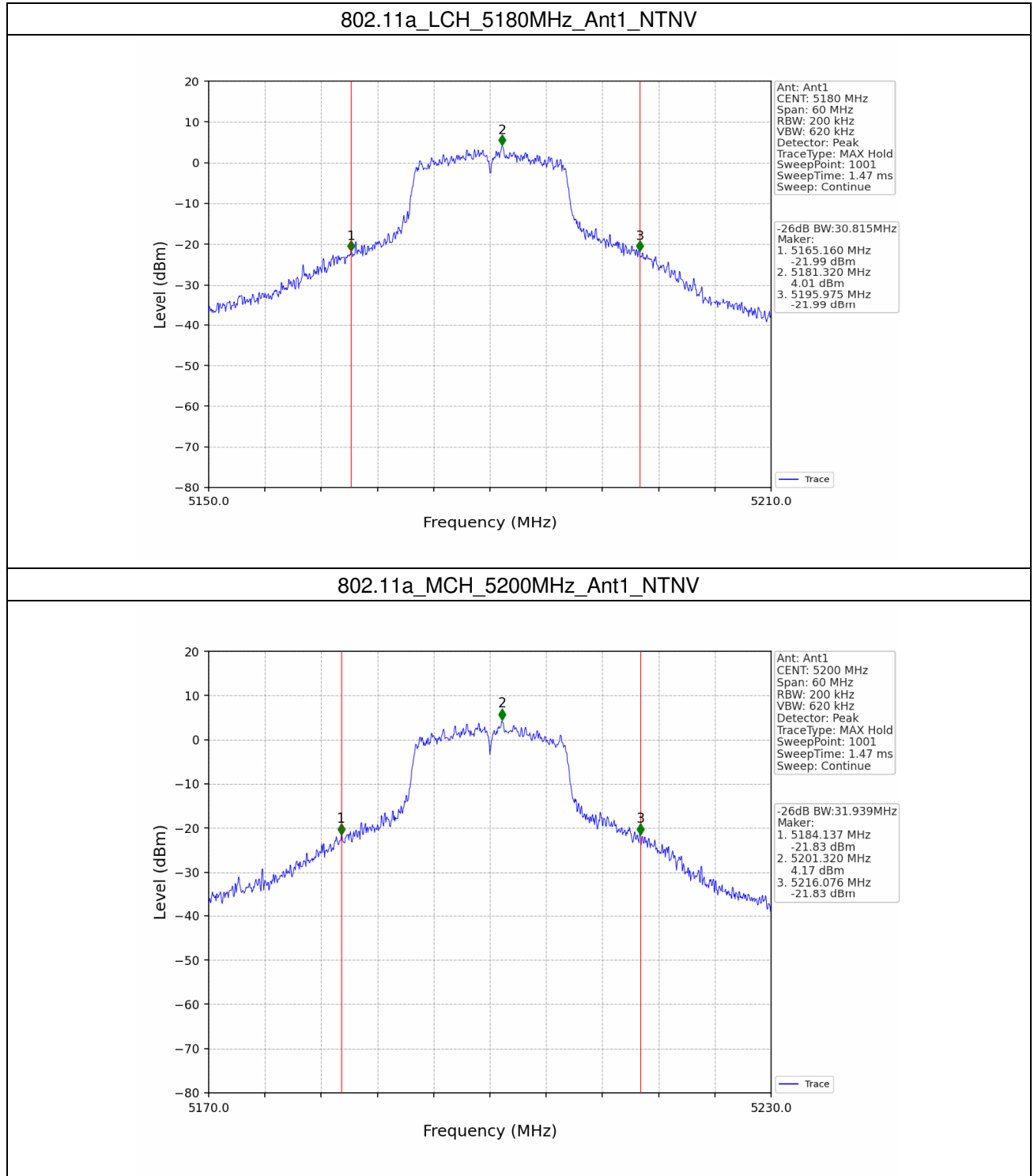
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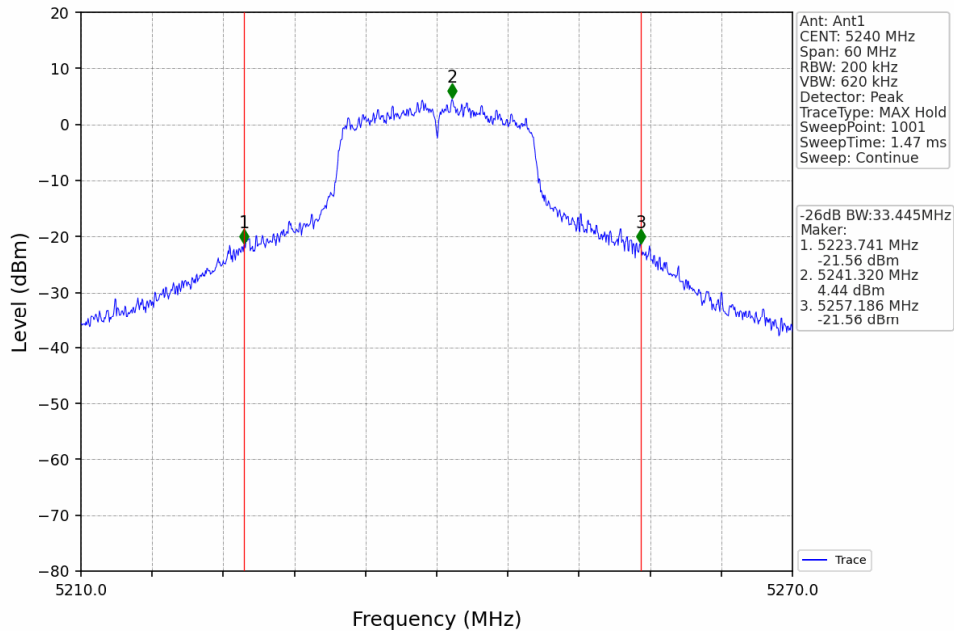
### 2.3.2 Test Graph



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802.11a\_HCH\_5240MHz\_Ant1\_NTNV



802.11a\_LCH\_5260MHz\_Ant1\_NTNV

