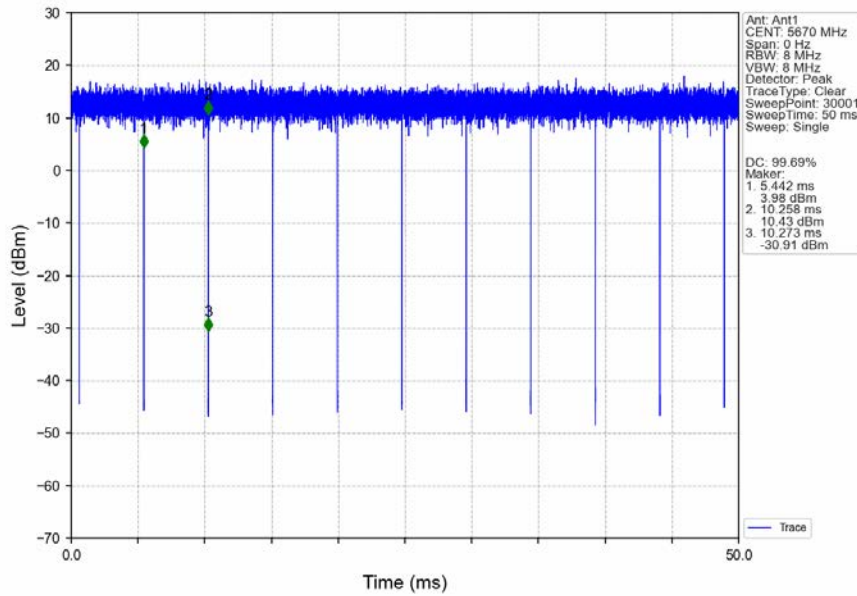
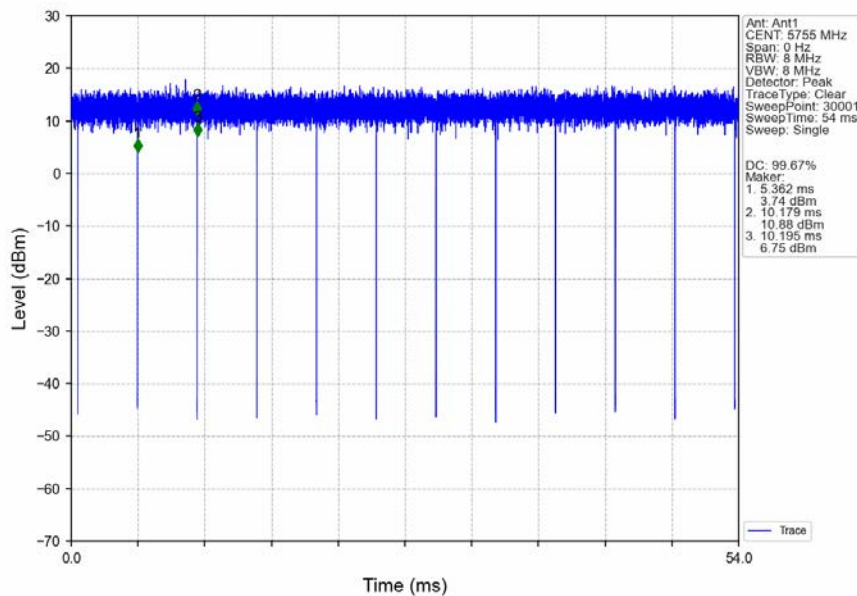


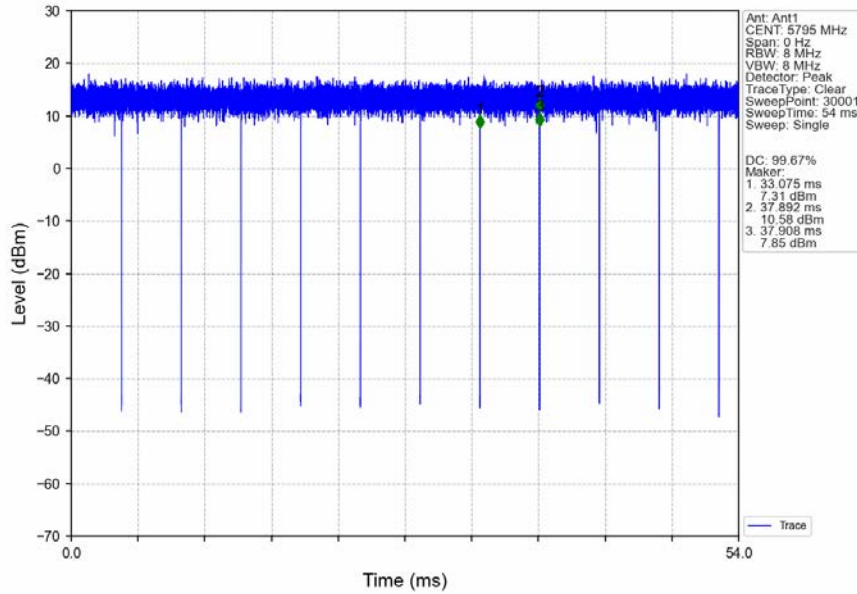
802.11ax(HEW40)_HCH_5670MHz_RU484_Left_Ant1_NTNV



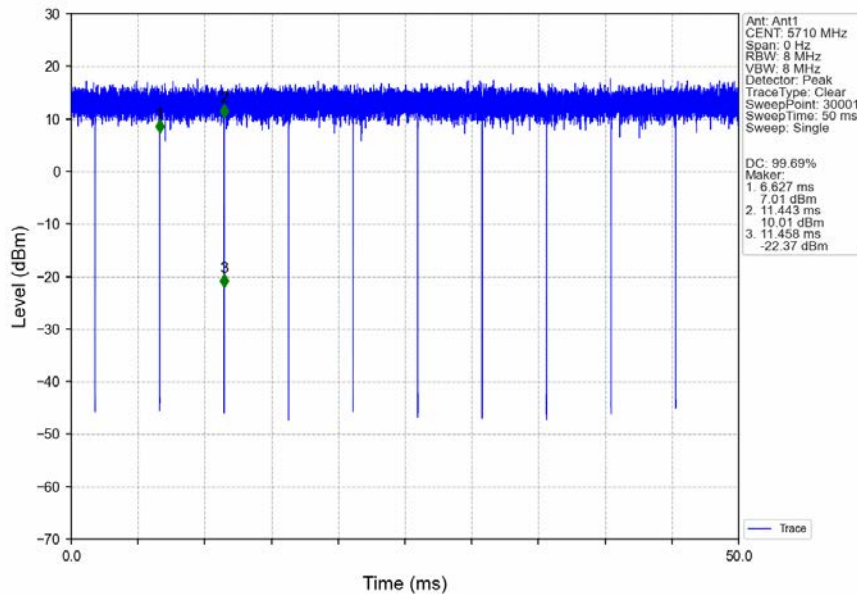
802.11ax(HEW40)_LCH_5755MHz_RU484_Left_Ant1_NTNV



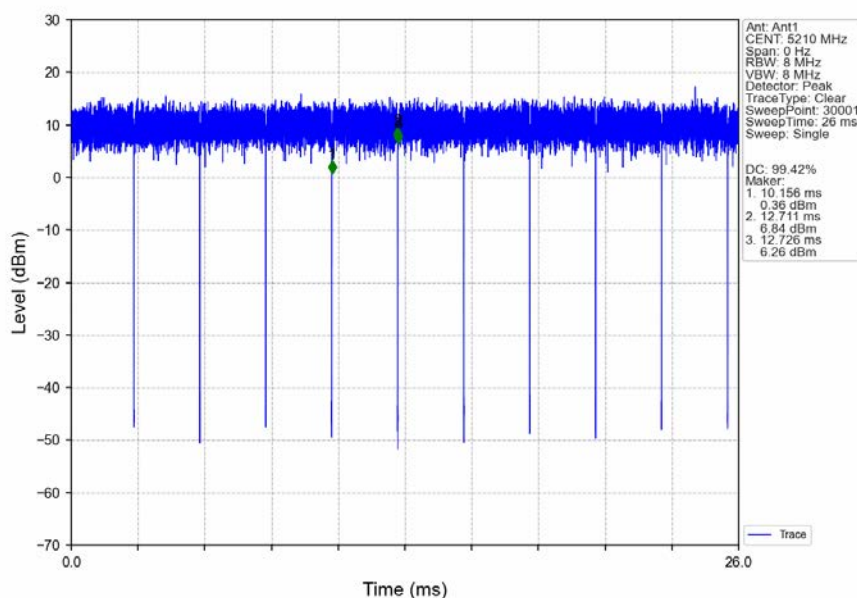
802.11ax(HEW40)_HCH_5795MHz_RU484_Left_Ant1_NTNV



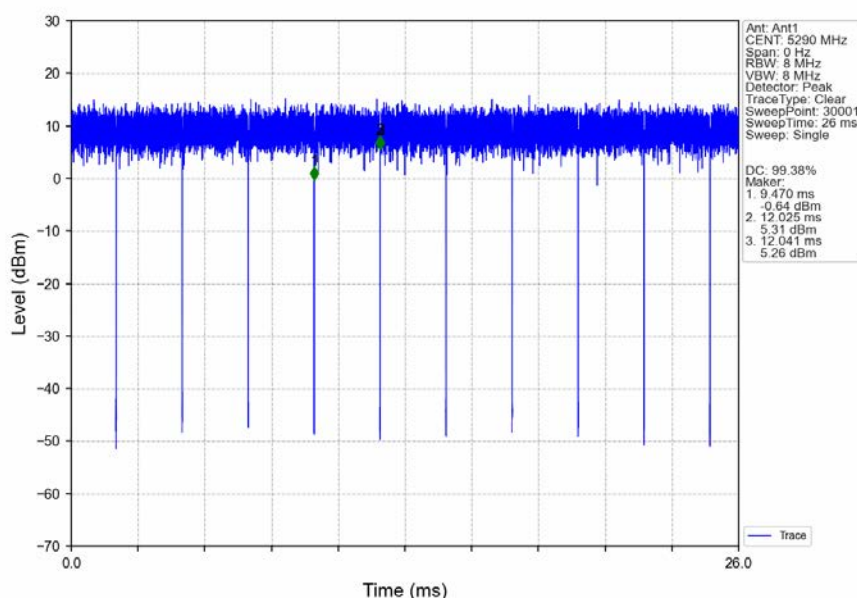
802.11ax(HEW40)_HCH_5710MHz_RU484_Left_Ant1_NTNV



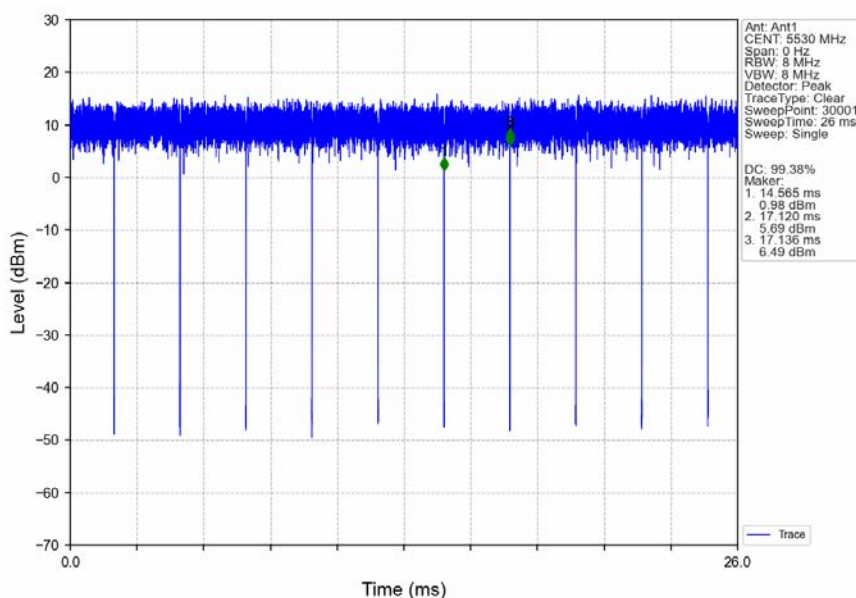
802.11ax(HEW80)_MCH_5210MHz_RU996_Left_Ant1_NTNV



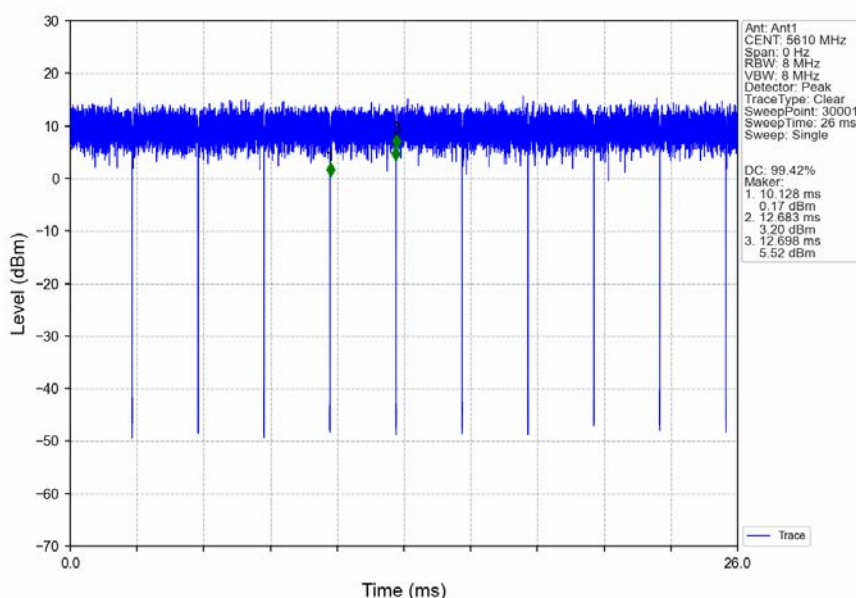
802.11ax(HEW80)_MCH_5290MHz_RU996_Left_Ant1_NTNV



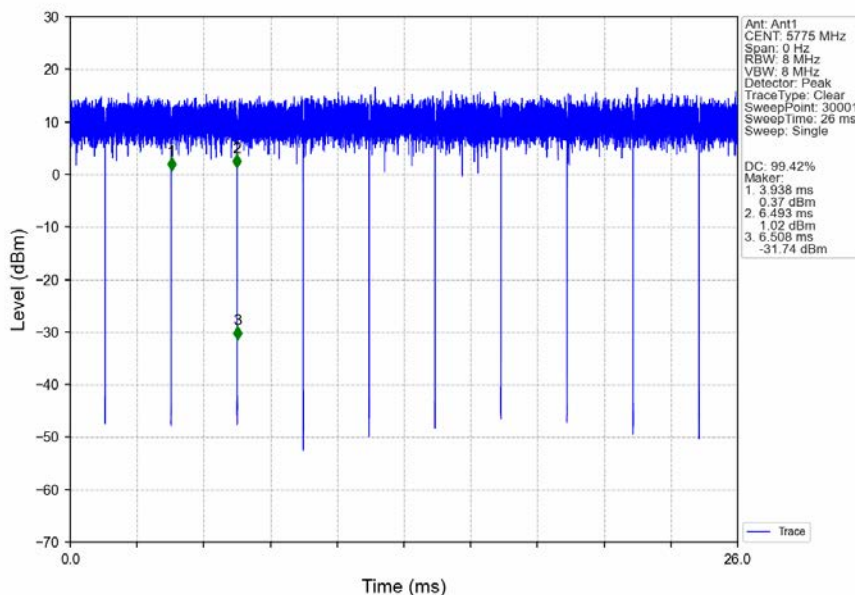
802.11ax(HEW80)_LCH_5530MHz_RU996_Left_Ant1_NTNV



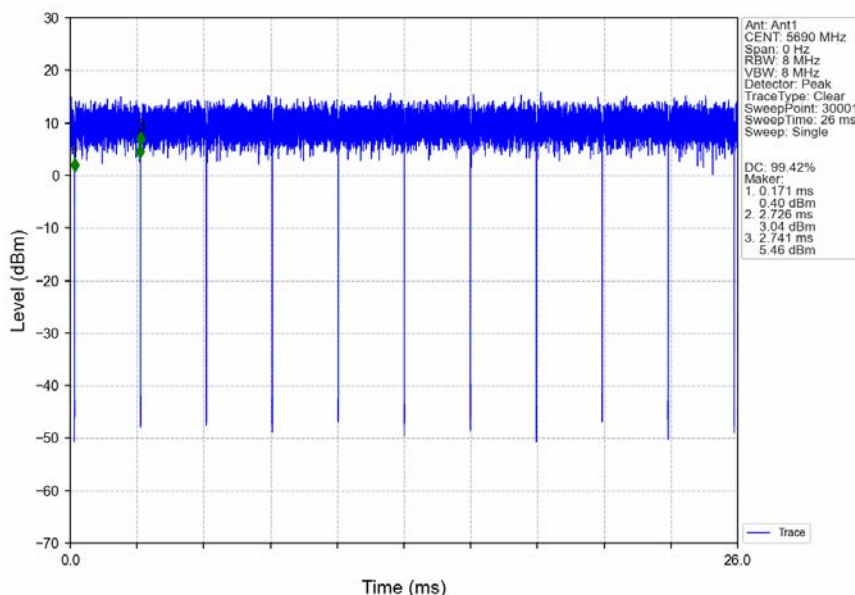
802.11ax(HEW80)_HCH_5610MHz_RU996_Left_Ant1_NTNV



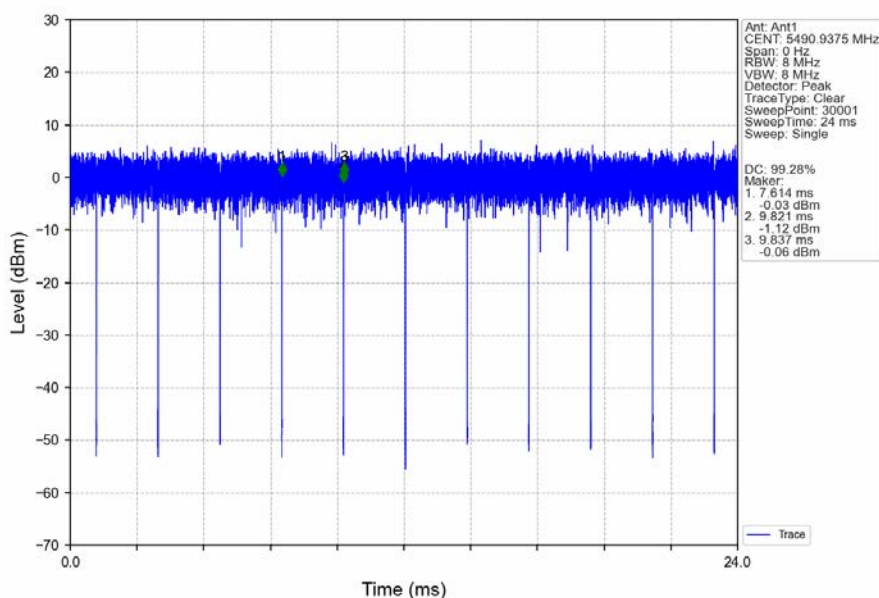
802.11ax(HEW80)_MCH_5775MHz_RU996_Left_Ant1_NTNV



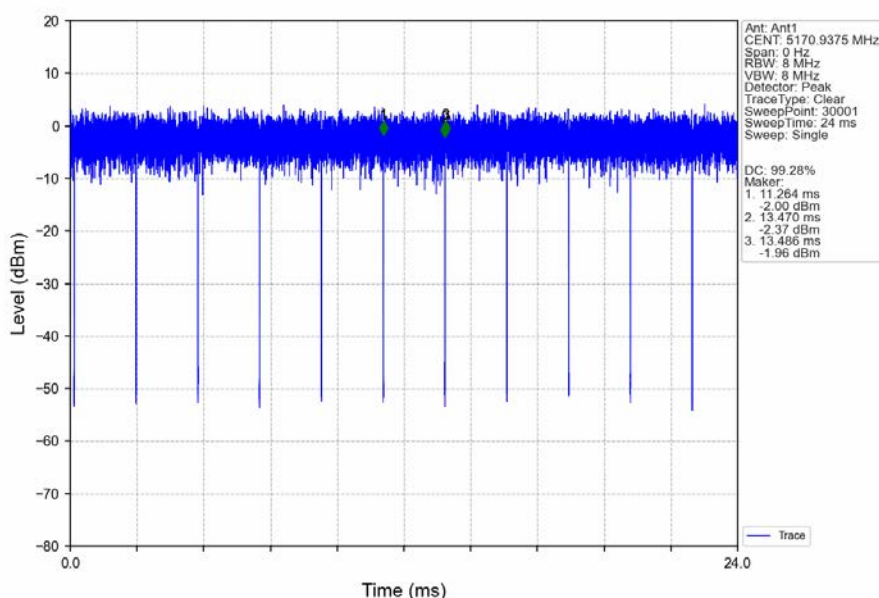
802.11ax(HEW80)_HCH_5690MHz_RU996_Left_Ant1_NTNV



802.11ax(HEW160)_MCH_5570MHz_2xRU996_Left_Ant1_NTNV



802.11ax(HEW160)_MCH_5250MHz_2xRU996_Left_Ant1_NTNV



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2. Bandwidth

2.1 Test Result

2.1.1 OBW

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	99% Occupied Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	SISO	5180	/	/	1	16.299	/	Pass
		5200	/	/	1	16.294	/	Pass
		5240	/	/	1	16.293	/	Pass
		5260	/	/	1	16.303	/	Pass
		5300	/	/	1	16.306	/	Pass
		5320	/	/	1	16.290	/	Pass
		5500	/	/	1	16.315	/	Pass
		5580	/	/	1	16.307	/	Pass
		5700	/	/	1	16.320	/	Pass
		5745	/	/	1	16.292	/	Pass
		5785	/	/	1	16.309	/	Pass
		5825	/	/	1	16.296	/	Pass
		5720	/	/	1	16.303	/	Pass
802.11n (HT20)	MIMO	5180	/	/	1	17.565	/	Pass
		5200	/	/	1	17.558	/	Pass
		5240	/	/	1	17.544	/	Pass
		5260	/	/	1	17.555	/	Pass
		5300	/	/	1	17.574	/	Pass
		5320	/	/	1	17.550	/	Pass
		5500	/	/	1	17.551	/	Pass
		5580	/	/	1	17.546	/	Pass
		5700	/	/	1	17.550	/	Pass
		5745	/	/	1	17.561	/	Pass
		5785	/	/	1	17.586	/	Pass
		5825	/	/	1	17.587	/	Pass
		5720	/	/	1	17.553	/	Pass



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802.11n (HT40)	MIMO	5190	/	/	1	36.014	/	Pass
		5230	/	/	1	36.045	/	Pass
		5270	/	/	1	36.082	/	Pass
		5310	/	/	1	36.063	/	Pass
		5510	/	/	1	36.094	/	Pass
		5550	/	/	1	36.052	/	Pass
		5670	/	/	1	36.047	/	Pass
		5755	/	/	1	36.044	/	Pass
		5795	/	/	1	36.079	/	Pass
		5710	/	/	1	36.037	/	Pass
802.11ac (VHT20)	MIMO	5180	/	/	1	17.541	/	Pass
		5200	/	/	1	17.552	/	Pass
		5240	/	/	1	17.537	/	Pass
		5260	/	/	1	17.558	/	Pass
		5300	/	/	1	17.559	/	Pass
		5320	/	/	1	17.554	/	Pass
		5500	/	/	1	17.572	/	Pass
		5580	/	/	1	17.535	/	Pass
		5700	/	/	1	17.534	/	Pass
		5745	/	/	1	17.537	/	Pass
		5785	/	/	1	17.572	/	Pass
		5825	/	/	1	17.578	/	Pass
		5720	/	/	1	17.557	/	Pass
802.11ac (VHT40)	MIMO	5190	/	/	1	36.059	/	Pass
		5230	/	/	1	36.117	/	Pass
		5270	/	/	1	36.078	/	Pass
		5310	/	/	1	36.066	/	Pass
		5510	/	/	1	36.016	/	Pass
		5550	/	/	1	36.029	/	Pass
		5670	/	/	1	36.060	/	Pass
		5755	/	/	1	36.049	/	Pass
		5795	/	/	1	36.095	/	Pass
		5710	/	/	1	36.042	/	Pass
802.11ac (VHT80)	MIMO	5210	/	/	1	75.192	/	Pass
		5290	/	/	1	75.163	/	Pass
		5530	/	/	1	75.233	/	Pass
		5610	/	/	1	75.000	/	Pass
		5775	/	/	1	75.024	/	Pass
		5690	/	/	1	74.928	/	Pass



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802.11ac (VHT160)	MIMO	5570	/	/	1	153.655	/	Pass
		5250	/	/	1	153.868	/	Pass
802.11ax (HEW20)	MIMO	5180	RU242	Left	1	18.865	/	Pass
		5200	RU242	Left	1	18.885	/	Pass
		5240	RU242	Left	1	18.878	/	Pass
		5260	RU242	Left	1	18.937	/	Pass
		5300	RU242	Left	1	18.950	/	Pass
		5320	RU242	Left	1	18.915	/	Pass
		5500	RU242	Left	1	18.921	/	Pass
		5580	RU242	Left	1	18.883	/	Pass
		5700	RU242	Left	1	18.869	/	Pass
		5745	RU242	Left	1	18.920	/	Pass
		5785	RU242	Left	1	18.918	/	Pass
		5825	RU242	Left	1	18.911	/	Pass
		5720	RU242	Left	1	18.892	/	Pass
802.11ax (HEW40)	MIMO	5190	RU484	Left	1	37.705	/	Pass
		5230	RU484	Left	1	37.869	/	Pass
		5270	RU484	Left	1	37.744	/	Pass
		5310	RU484	Left	1	37.848	/	Pass
		5510	RU484	Left	1	37.755	/	Pass
		5550	RU484	Left	1	37.730	/	Pass
		5670	RU484	Left	1	37.735	/	Pass
		5755	RU484	Left	1	37.760	/	Pass
		5795	RU484	Left	1	37.804	/	Pass
		5710	RU484	Left	1	37.732	/	Pass
802.11ax (HEW80)	MIMO	5210	RU996	Left	1	76.969	/	Pass
		5290	RU996	Left	1	76.883	/	Pass
		5530	RU996	Left	1	77.014	/	Pass
		5610	RU996	Left	1	76.904	/	Pass
		5775	RU996	Left	1	77.039	/	Pass
		5690	RU996	Left	1	76.708	/	Pass
802.11ax (HEW160)	MIMO	5570	2xRU996	Left	1	154.754	/	Pass
		5250	2xRU996	Left	1	155.868	/	Pass



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2.1.2 26dB BW

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	26dB Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	SISO	5180	/	/	1	19.190	/	Pass
		5200	/	/	1	18.723	/	Pass
		5240	/	/	1	18.506	/	Pass
		5260	/	/	1	18.504	/	Pass
		5300	/	/	1	18.748	/	Pass
		5320	/	/	1	18.636	/	Pass
		5500	/	/	1	18.806	/	Pass
		5580	/	/	1	19.739	/	Pass
		5700	/	/	1	18.616	/	Pass
		5720	/	/	1	18.975	/	Pass
802.11n (HT20)	MIMO	5180	/	/	1	19.947	/	Pass
		5200	/	/	1	19.853	/	Pass
		5240	/	/	1	20.338	/	Pass
		5260	/	/	1	20.514	/	Pass
		5300	/	/	1	20.523	/	Pass
		5320	/	/	1	20.438	/	Pass
		5500	/	/	1	19.990	/	Pass
		5580	/	/	1	20.421	/	Pass
		5700	/	/	1	20.678	/	Pass
		5720	/	/	1	20.494	/	Pass
802.11n (HT40)	MIMO	5190	/	/	1	40.413	/	Pass
		5230	/	/	1	40.197	/	Pass
		5270	/	/	1	40.215	/	Pass
		5310	/	/	1	40.214	/	Pass
		5510	/	/	1	40.038	/	Pass
		5550	/	/	1	40.406	/	Pass
		5670	/	/	1	39.974	/	Pass
		5710	/	/	1	40.465	/	Pass



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802.11ac (VHT20)	MIMO	5180	/	/	1	19.755	/	Pass
		5200	/	/	1	20.374	/	Pass
		5240	/	/	1	20.702	/	Pass
		5260	/	/	1	20.404	/	Pass
		5300	/	/	1	20.242	/	Pass
		5320	/	/	1	20.541	/	Pass
		5500	/	/	1	19.978	/	Pass
		5580	/	/	1	20.320	/	Pass
		5700	/	/	1	20.405	/	Pass
		5720	/	/	1	19.772	/	Pass
802.11ac (VHT40)	MIMO	5190	/	/	1	40.031	/	Pass
		5230	/	/	1	40.390	/	Pass
		5270	/	/	1	39.870	/	Pass
		5310	/	/	1	40.070	/	Pass
		5510	/	/	1	40.216	/	Pass
		5550	/	/	1	40.403	/	Pass
		5670	/	/	1	40.264	/	Pass
		5710	/	/	1	40.260	/	Pass
802.11ac (VHT80)	MIMO	5210	/	/	1	80.573	/	Pass
		5290	/	/	1	81.433	/	Pass
		5530	/	/	1	81.481	/	Pass
		5610	/	/	1	81.095	/	Pass
		5690	/	/	1	81.193	/	Pass
802.11ac (VHT160)	MIMO	5570	/	/	1	163.207	/	Pass
		5250	/	/	1	164.019	/	Pass
802.11ax (HEW20)	MIMO	5180	RU242	Left	1	21.211	/	Pass
		5200	RU242	Left	1	20.870	/	Pass
		5240	RU242	Left	1	20.848	/	Pass
		5260	RU242	Left	1	20.823	/	Pass
		5300	RU242	Left	1	20.842	/	Pass
		5320	RU242	Left	1	20.547	/	Pass
		5500	RU242	Left	1	20.810	/	Pass
		5580	RU242	Left	1	20.671	/	Pass
		5700	RU242	Left	1	20.938	/	Pass
		5720	RU242	Left	1	20.790	/	Pass



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802.11ax (HEW40)	MIMO	5190	RU484	Left	1	41.391	/	Pass
		5230	RU484	Left	1	41.100	/	Pass
		5270	RU484	Left	1	40.919	/	Pass
		5310	RU484	Left	1	41.181	/	Pass
		5510	RU484	Left	1	41.049	/	Pass
		5550	RU484	Left	1	41.055	/	Pass
		5670	RU484	Left	1	41.120	/	Pass
		5710	RU484	Left	1	40.695	/	Pass
802.11ax (HEW80)	MIMO	5210	RU996	Left	1	81.339	/	Pass
		5290	RU996	Left	1	81.239	/	Pass
		5530	RU996	Left	1	81.381	/	Pass
		5610	RU996	Left	1	81.780	/	Pass
		5690	RU996	Left	1	81.605	/	Pass
802.11ax (HEW160)	MIMO	5570	2xRU996	Left	1	162.953	/	Pass
		5250	2xRU996	Left	1	164.587	/	Pass



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SZEMC-TRF-01 Rev. A/2

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2.1.3 6dB BW

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	6dB Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	SISO	5745	/	/	1	12.577	>=0.5	Pass
		5785	/	/	1	14.681	>=0.5	Pass
		5825	/	/	1	15.081	>=0.5	Pass
802.11n (HT20)	MIMO	5745	/	/	1	17.597	>=0.5	Pass
		5785	/	/	1	16.650	>=0.5	Pass
		5825	/	/	1	15.683	>=0.5	Pass
802.11n (HT40)	MIMO	5755	/	/	1	32.615	>=0.5	Pass
		5795	/	/	1	35.714	>=0.5	Pass
802.11ac (VHT20)	MIMO	5745	/	/	1	12.523	>=0.5	Pass
		5785	/	/	1	17.235	>=0.5	Pass
		5825	/	/	1	17.559	>=0.5	Pass
802.11ac (VHT40)	MIMO	5755	/	/	1	35.085	>=0.5	Pass
		5795	/	/	1	32.657	>=0.5	Pass
802.11ac (VHT80)	MIMO	5775	/	/	1	75.065	>=0.5	Pass
802.11ax (HEW20)	MIMO	5745	RU242	Left	1	18.804	>=0.5	Pass
		5785	RU242	Left	1	18.425	>=0.5	Pass
		5825	RU242	Left	1	16.705	>=0.5	Pass
802.11ax (HEW40)	MIMO	5755	RU484	Left	1	36.228	>=0.5	Pass
		5795	RU484	Left	1	37.378	>=0.5	Pass
802.11ax (HEW80)	MIMO	5775	RU996	Left	1	47.258	>=0.5	Pass



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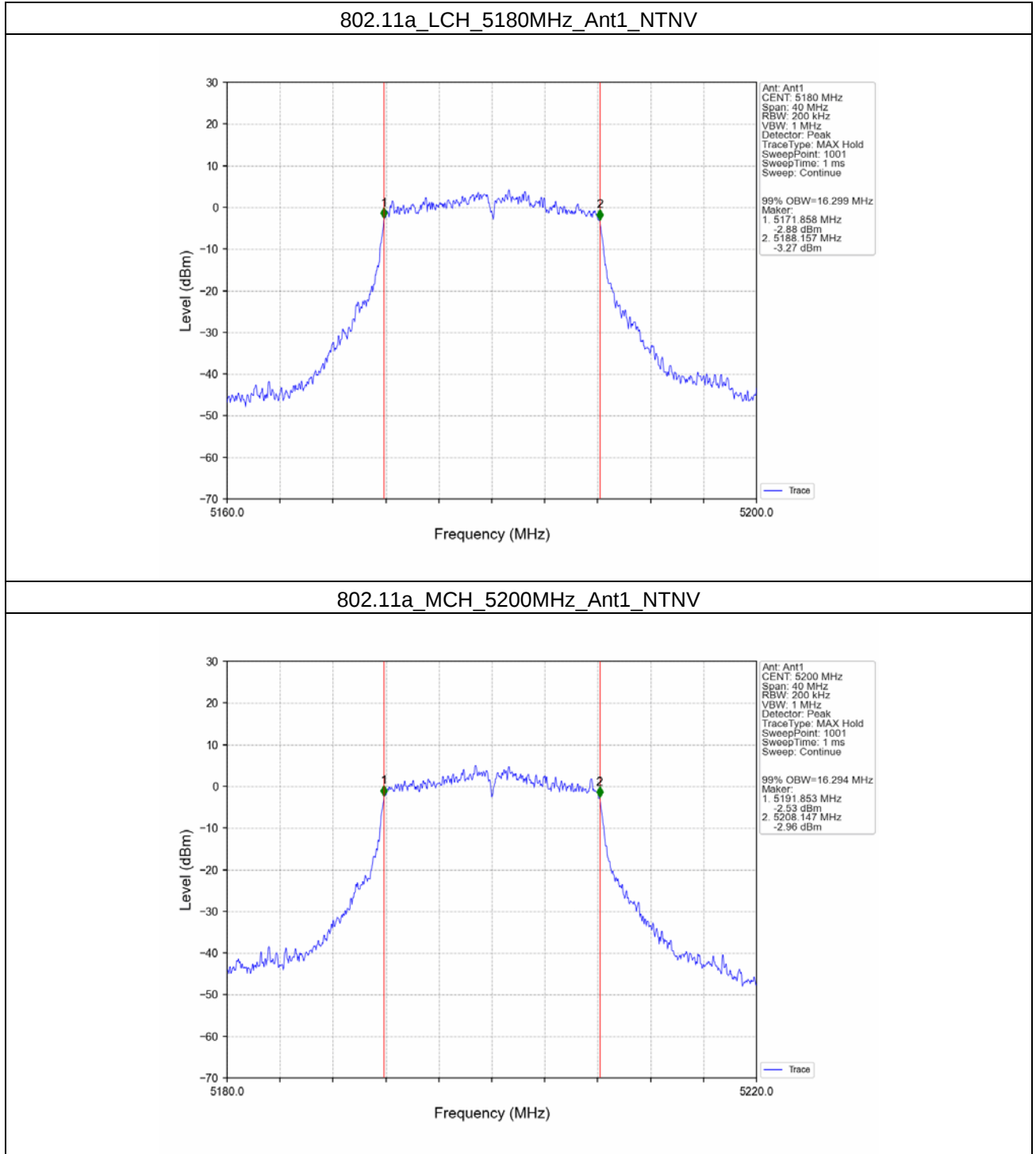
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2.2 Test Graph

2.2.1 OBW



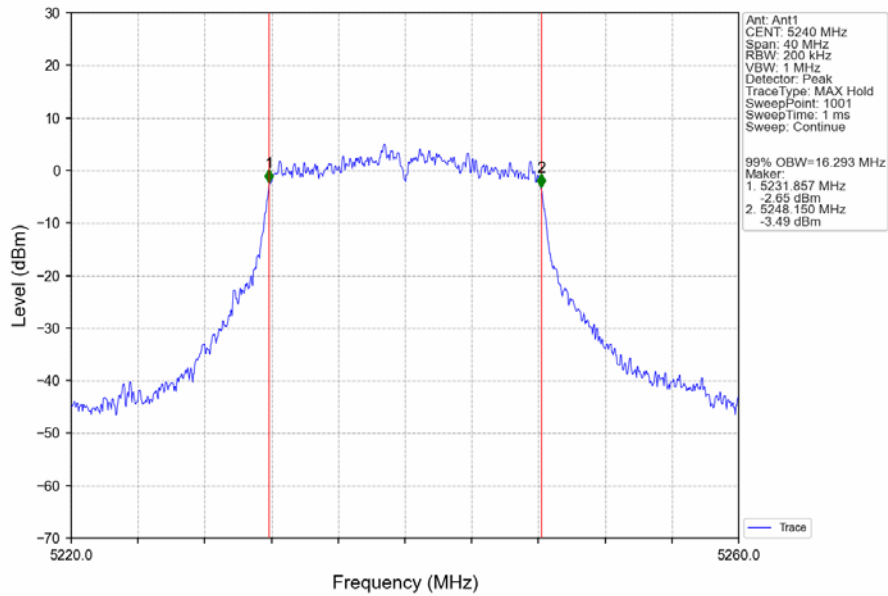
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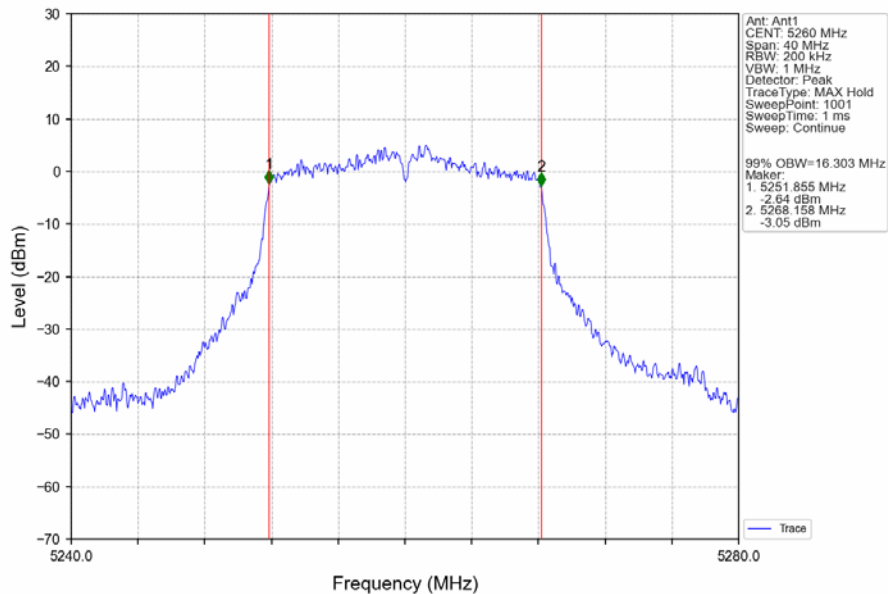
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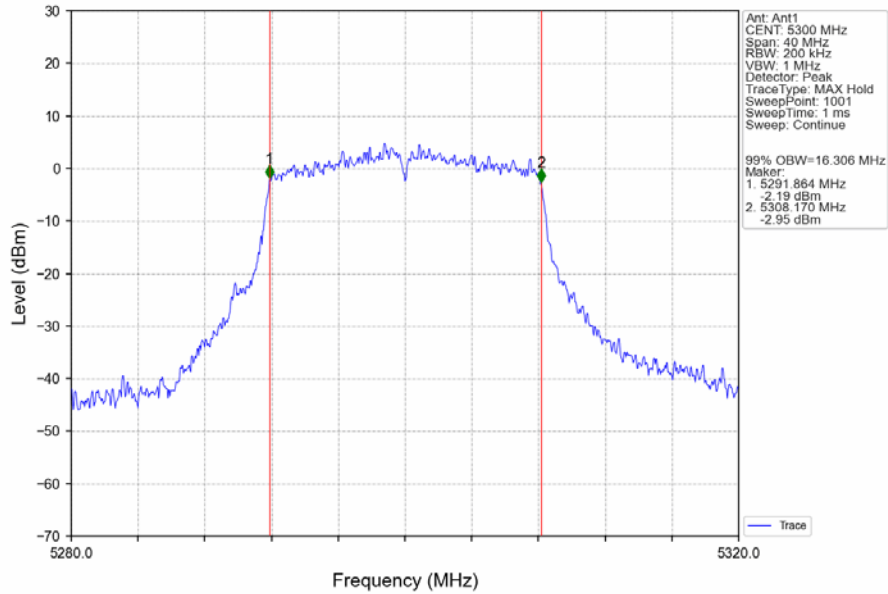
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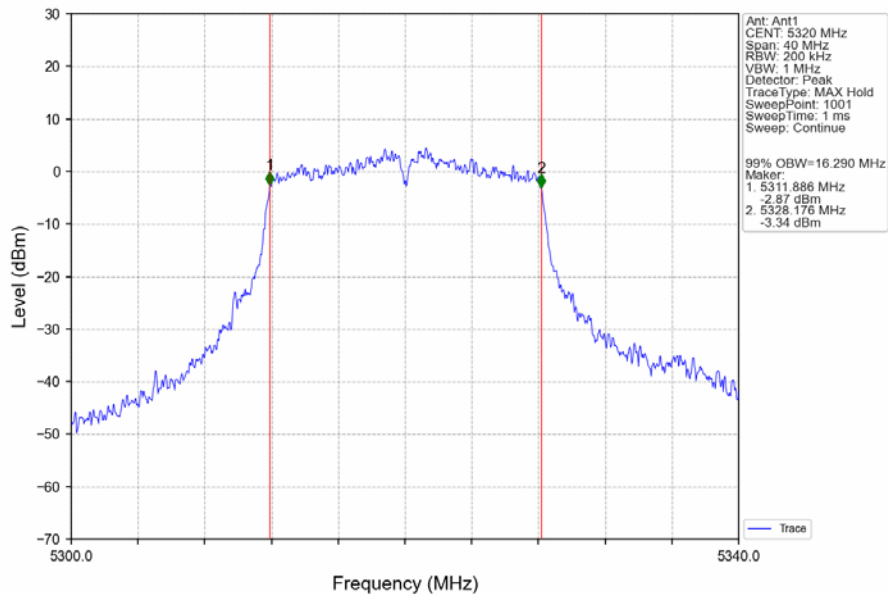
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802.11a_MCH_5300MHz_Ant1_NTNV



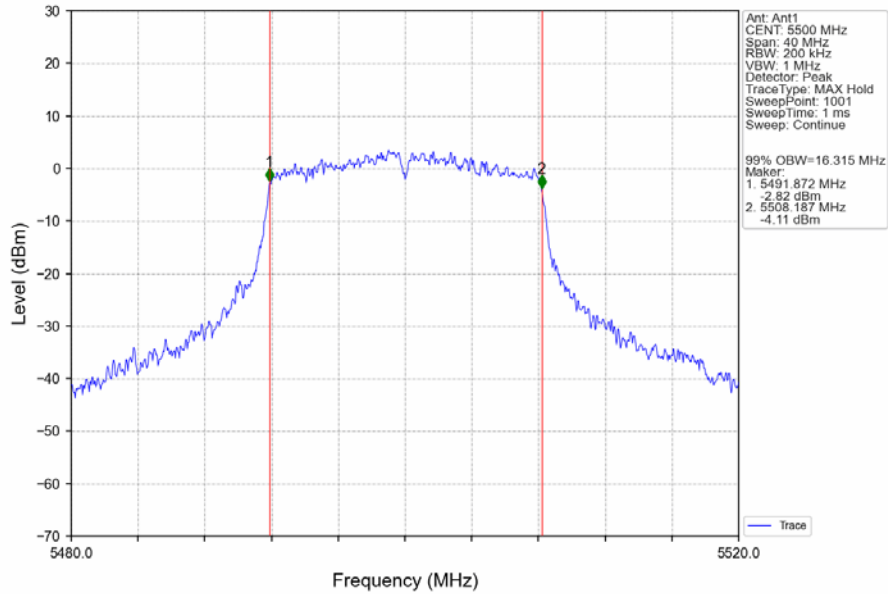
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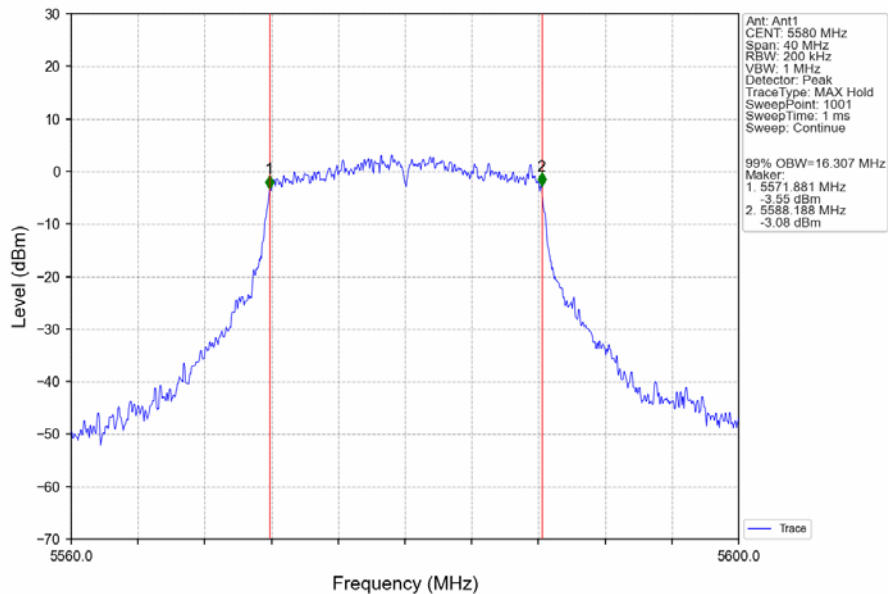
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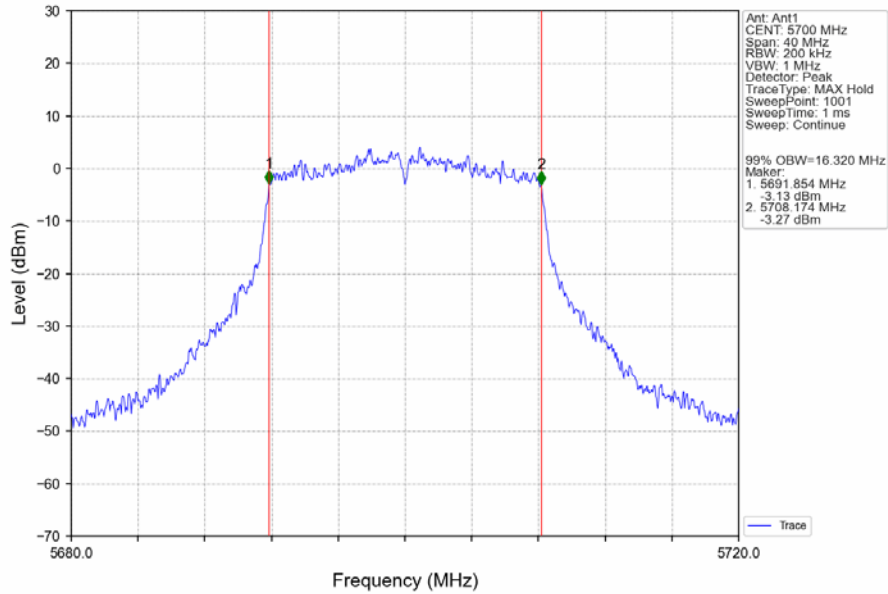
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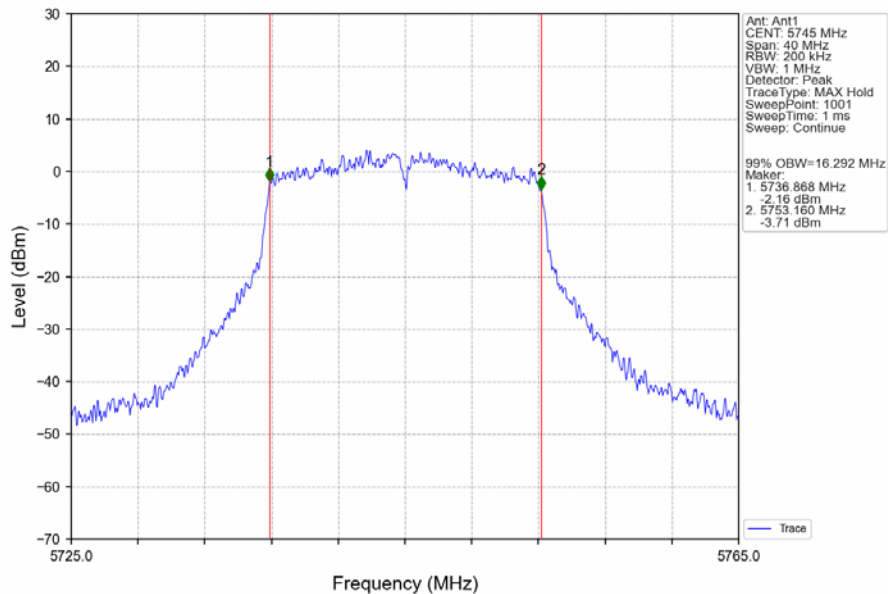
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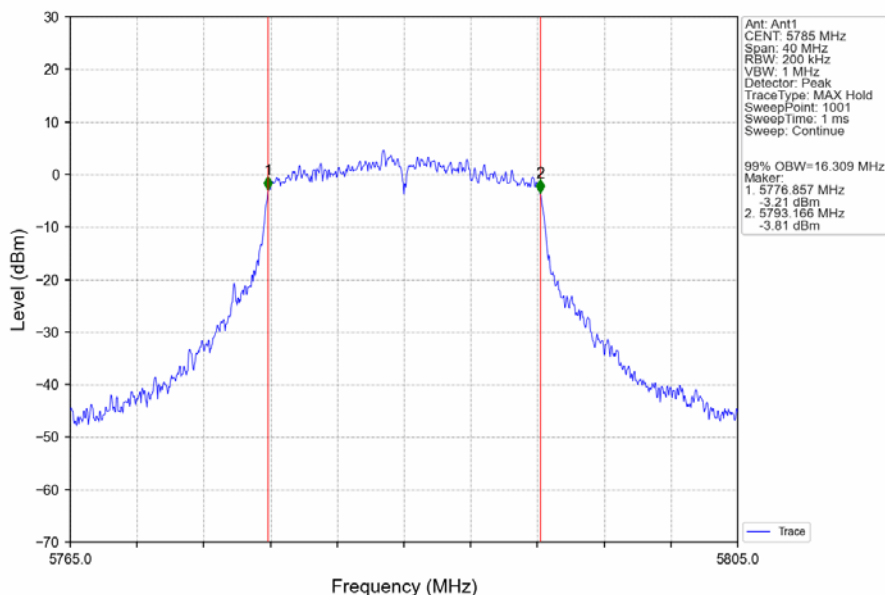
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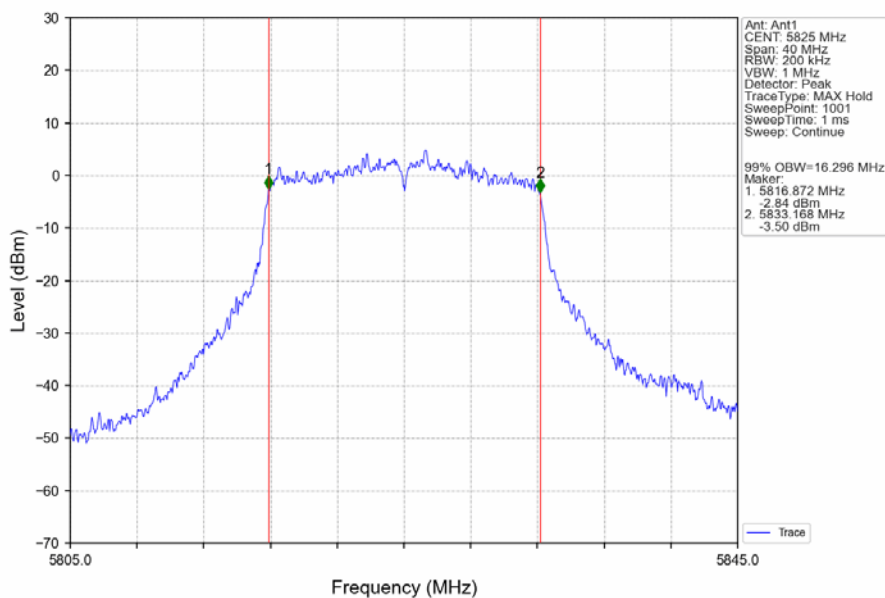
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802.11a_MCH_5785MHz_Ant1_NTNV



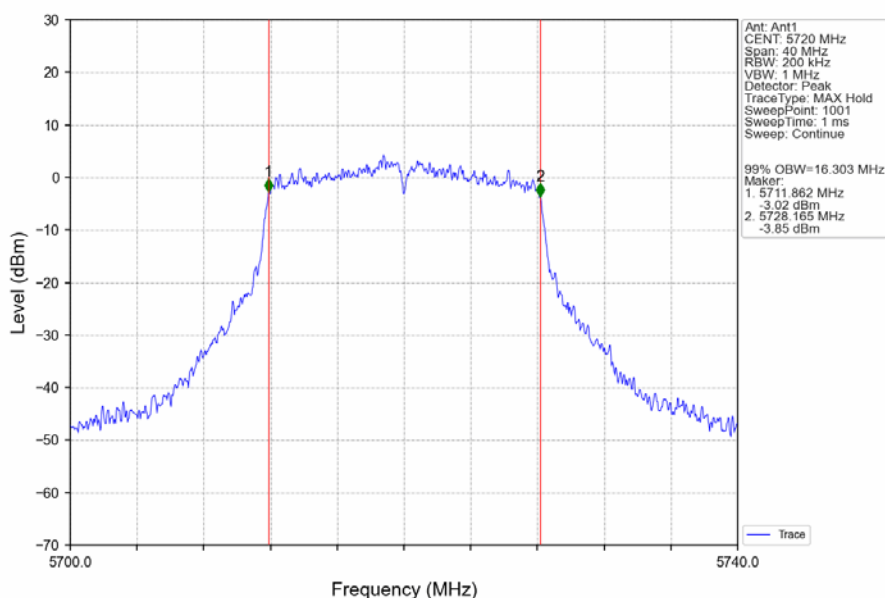
802.11a_HCH_5825MHz_Ant1_NTNV



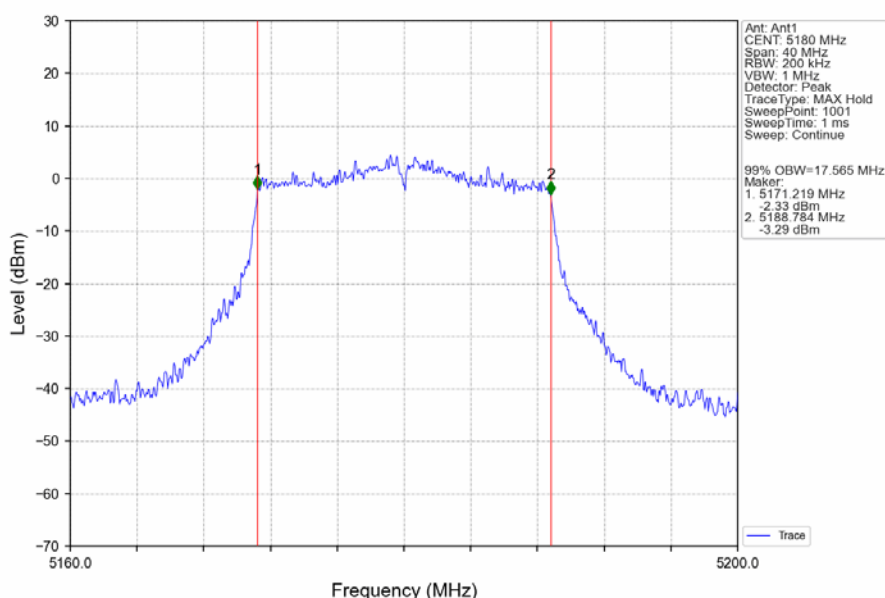
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802.11a_HCH_5720MHz_Ant1_NTNV



802.11n(HT20)_LCH_5180MHz_Ant1_NTNV

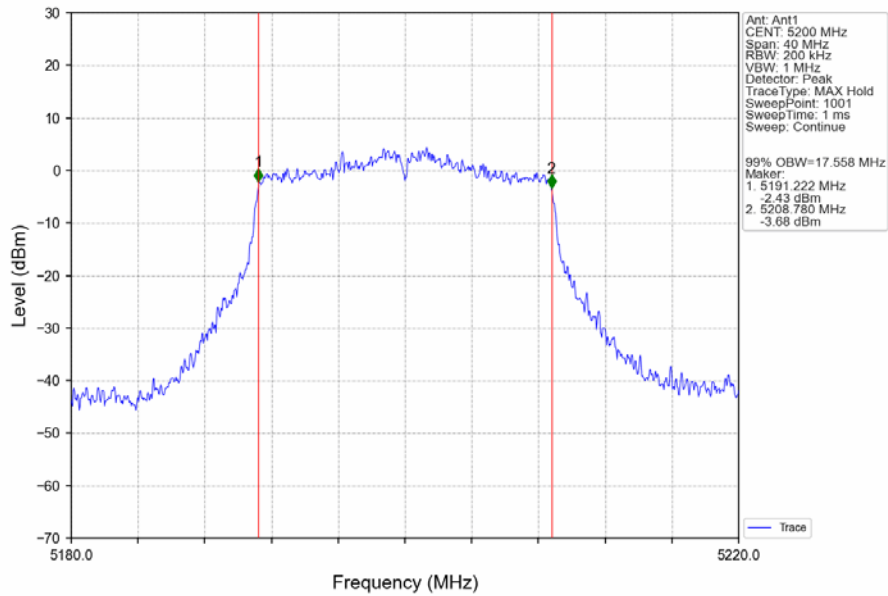


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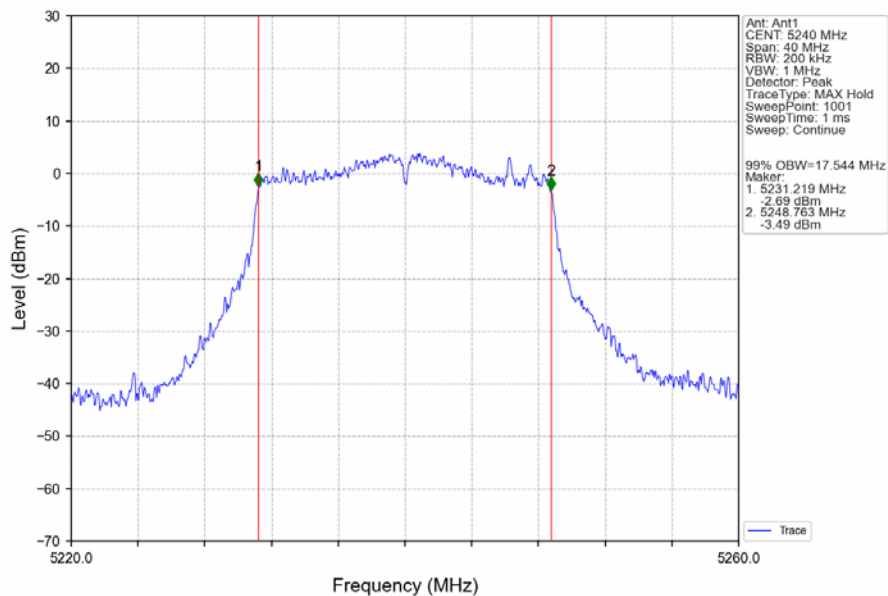
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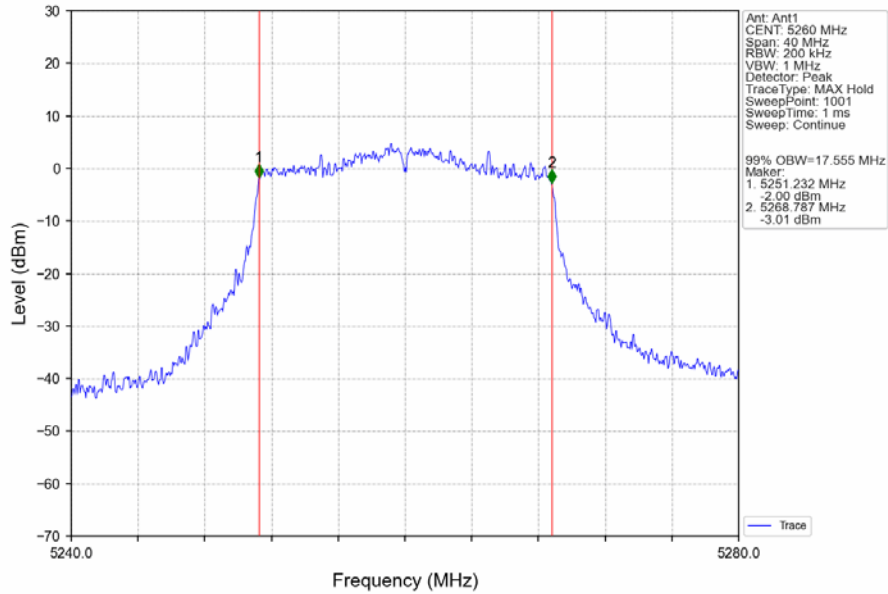
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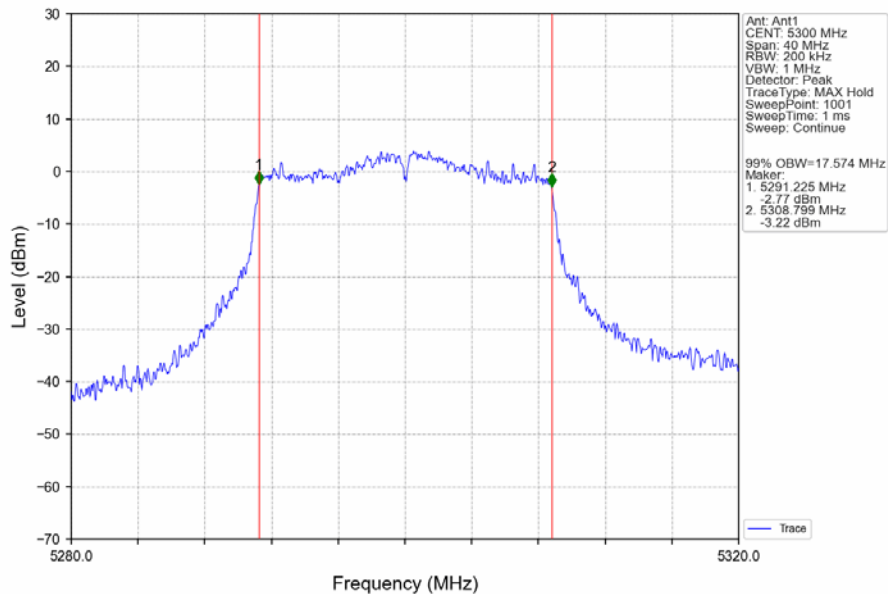
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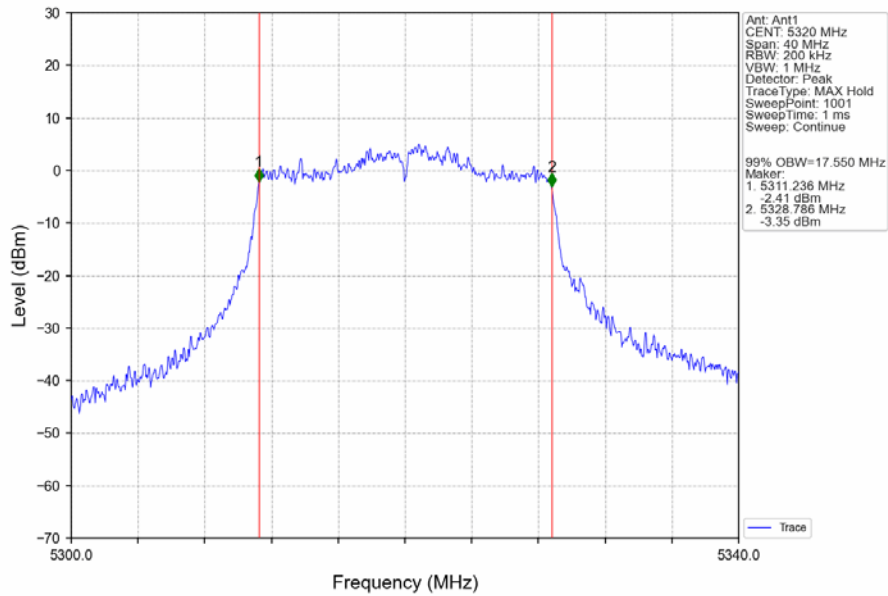
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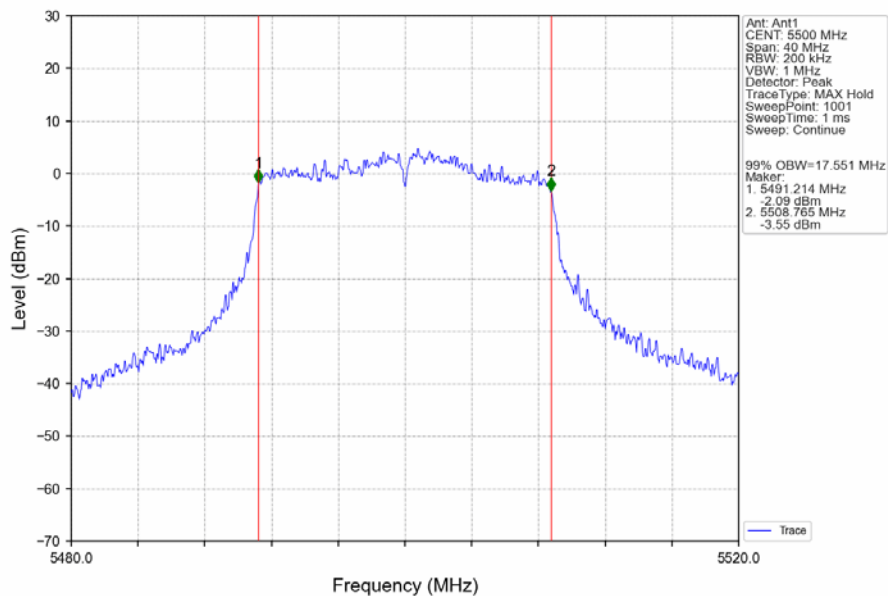
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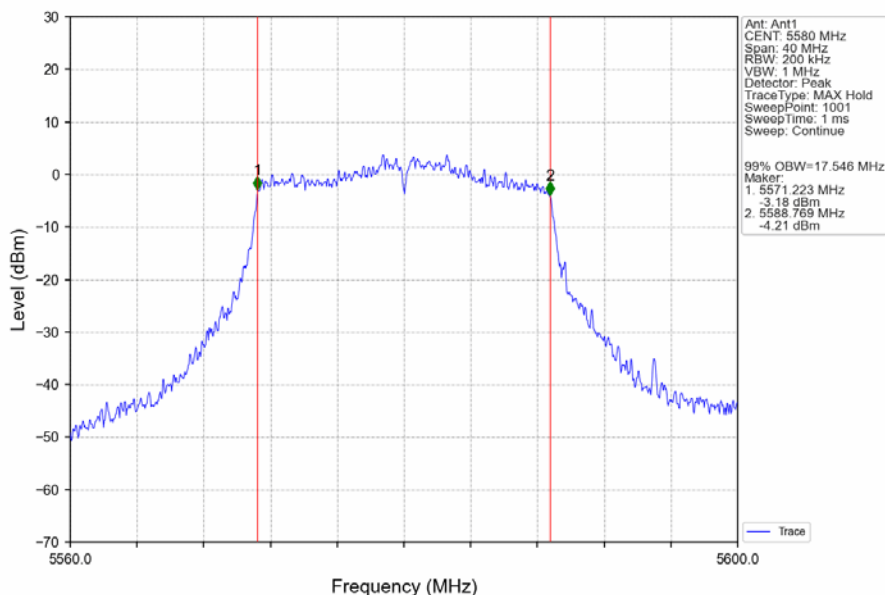
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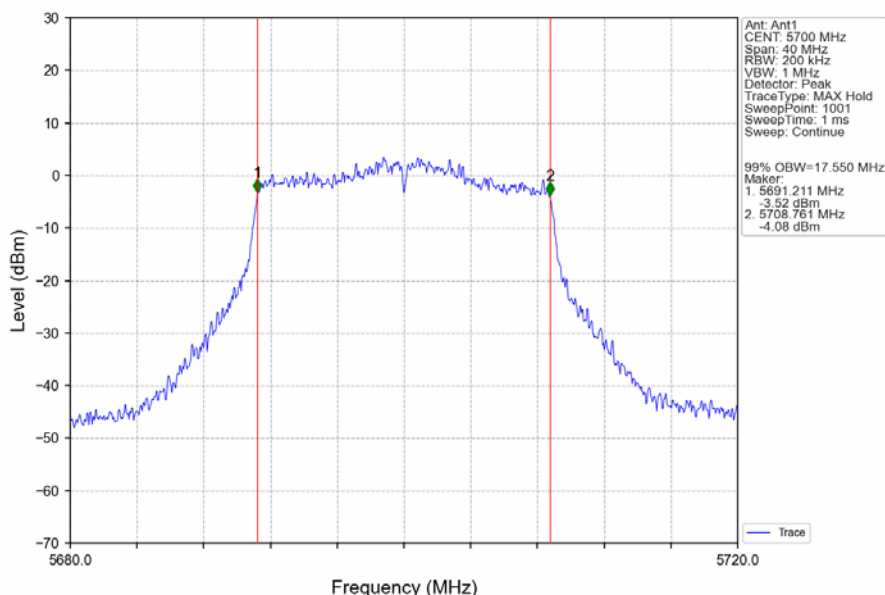
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802.11n(HT20)_MCH_5580MHz_Ant1_NTNV



802.11n(HT20)_HCH_5700MHz_Ant1_NTNV



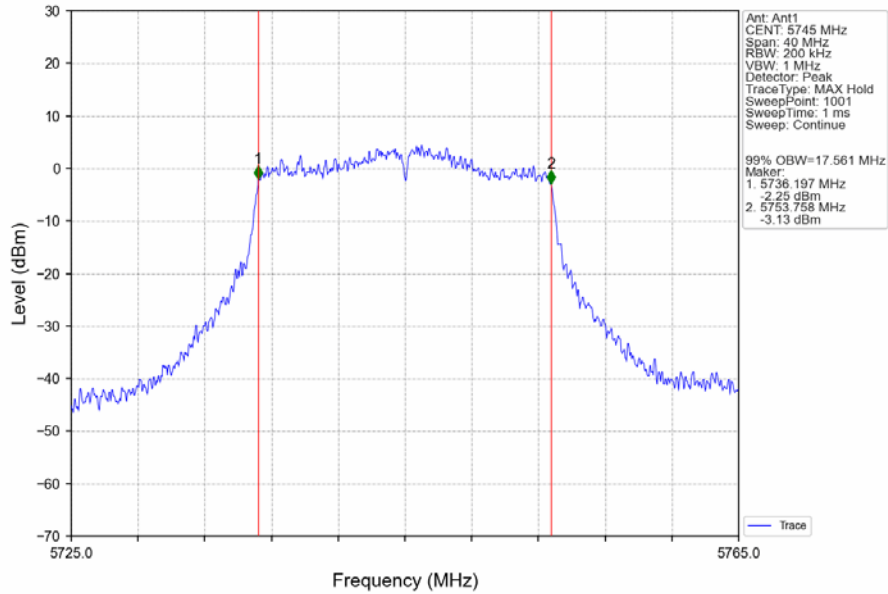
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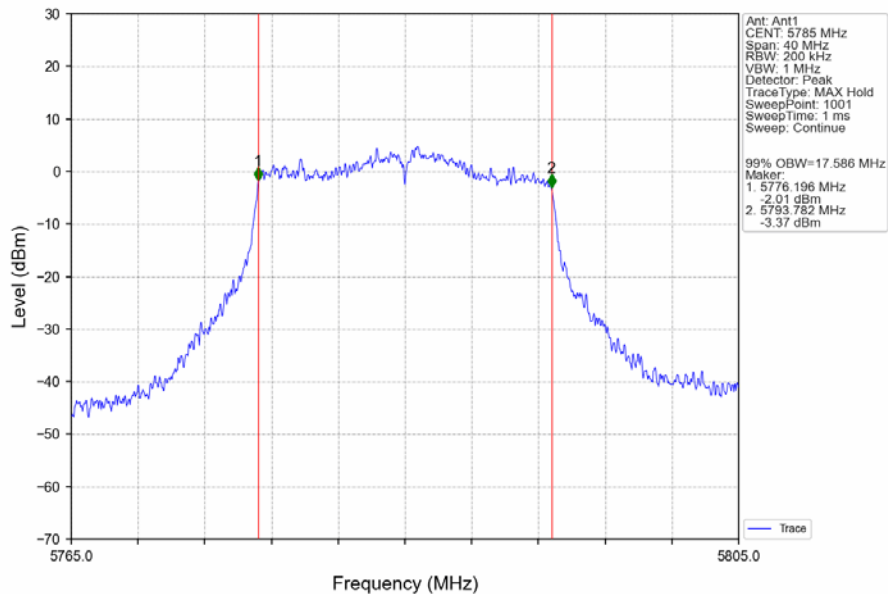
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802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



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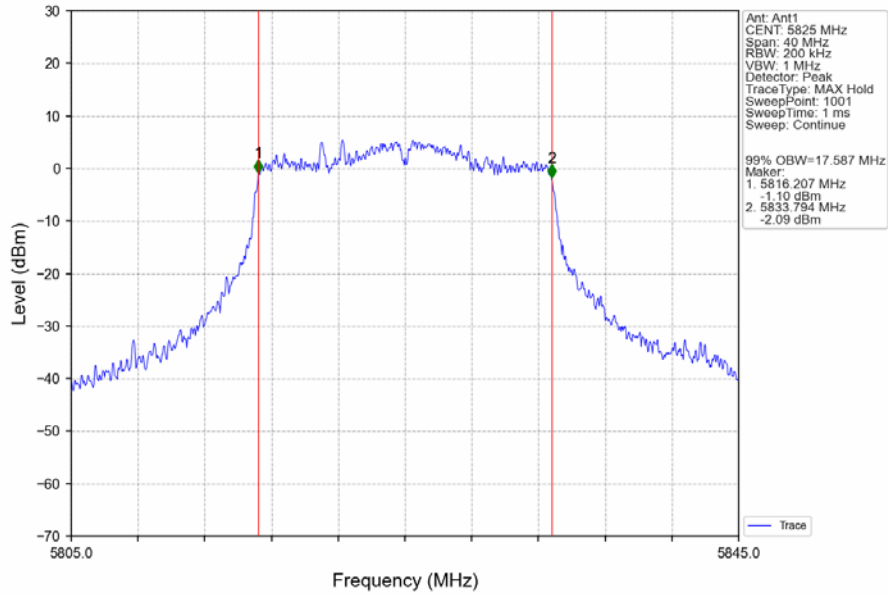


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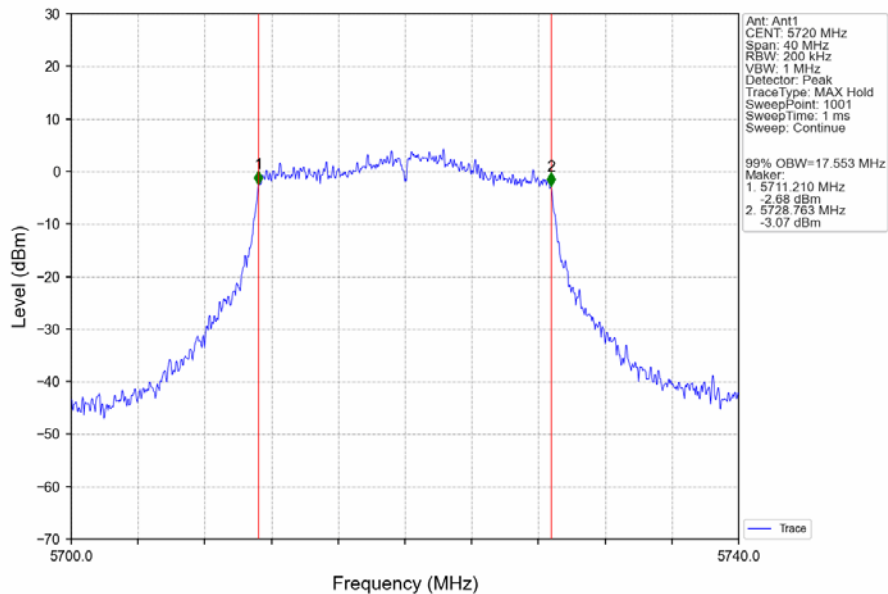
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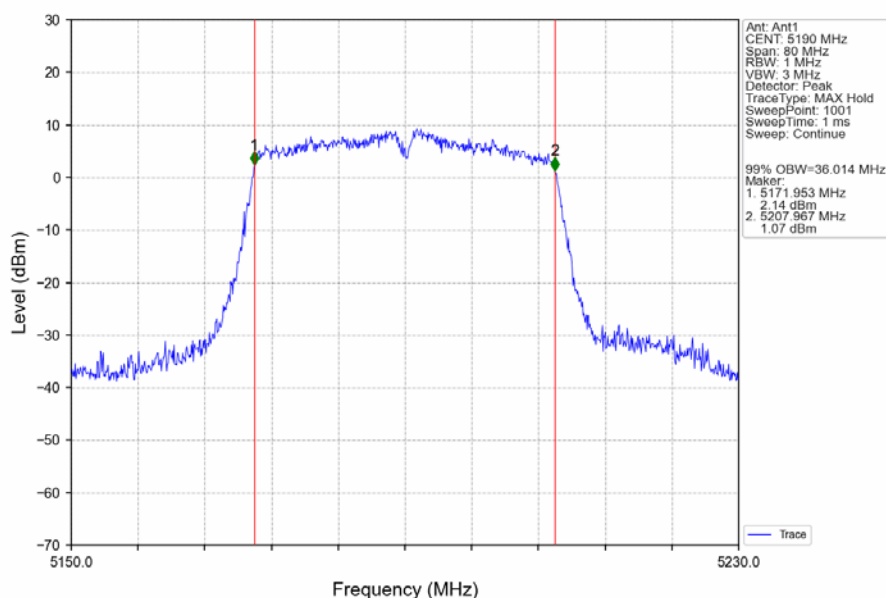
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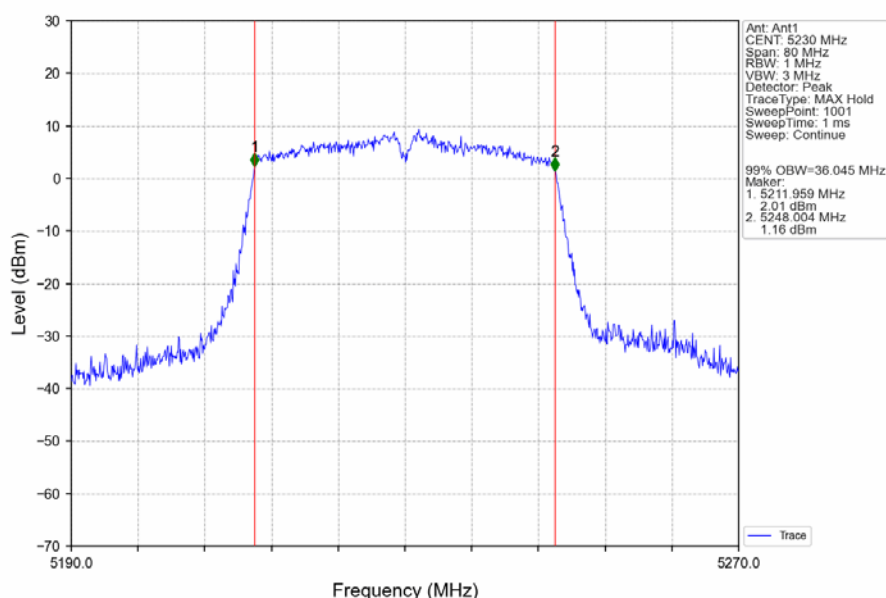
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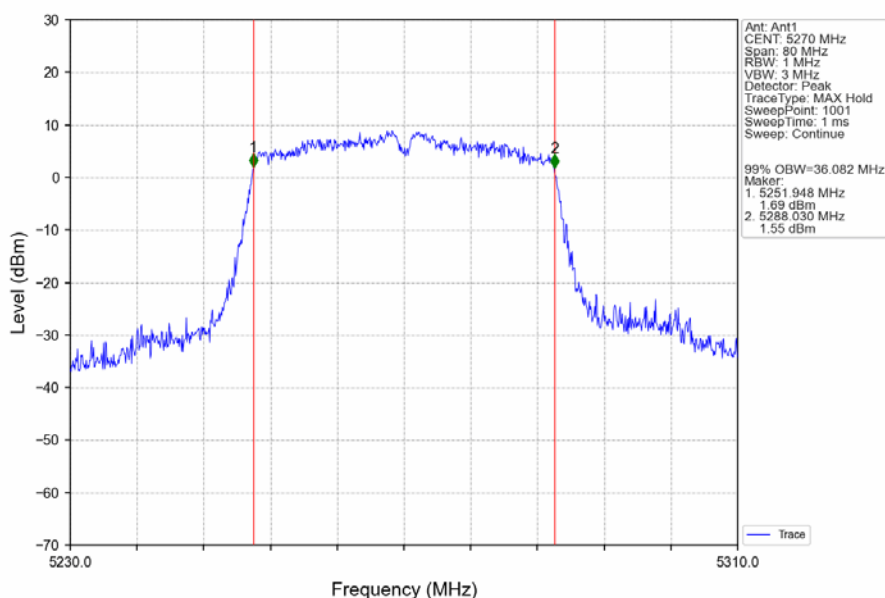
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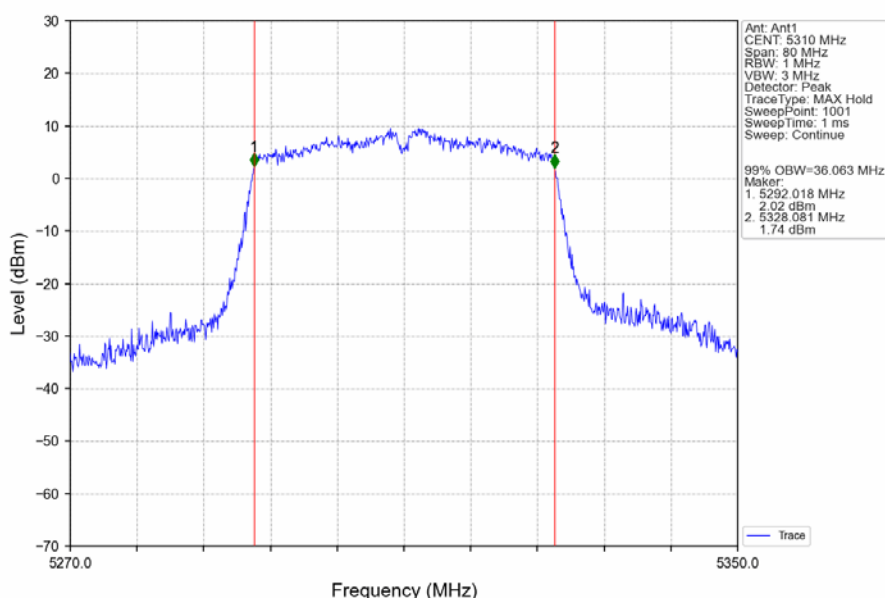
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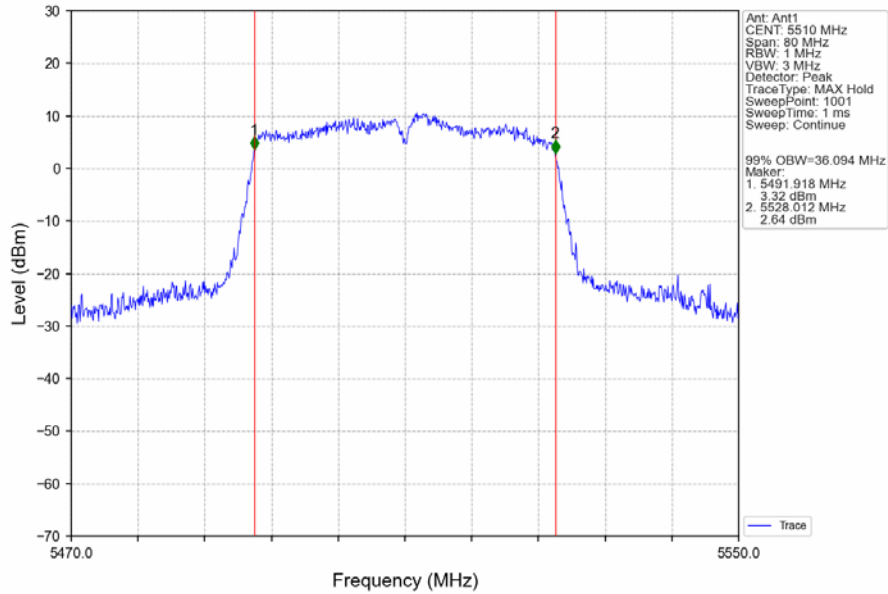
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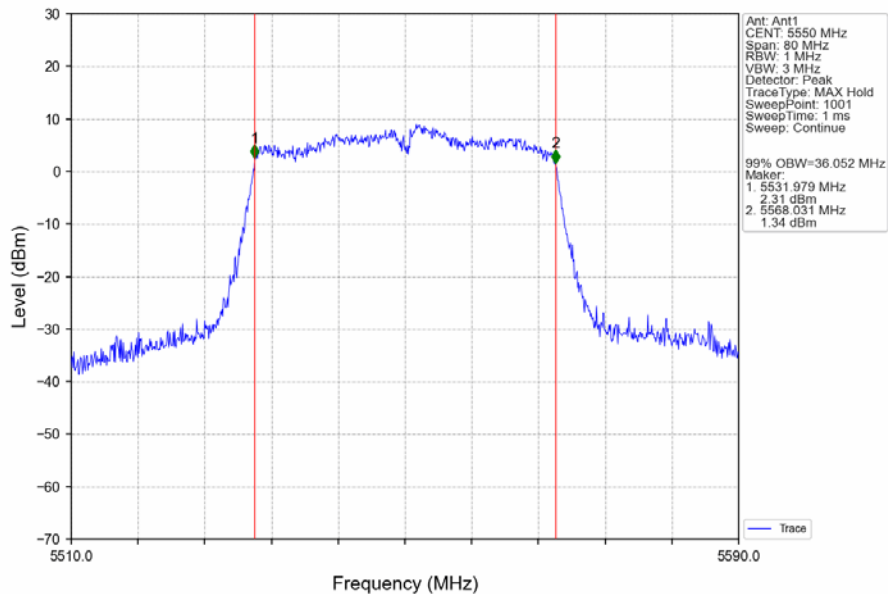
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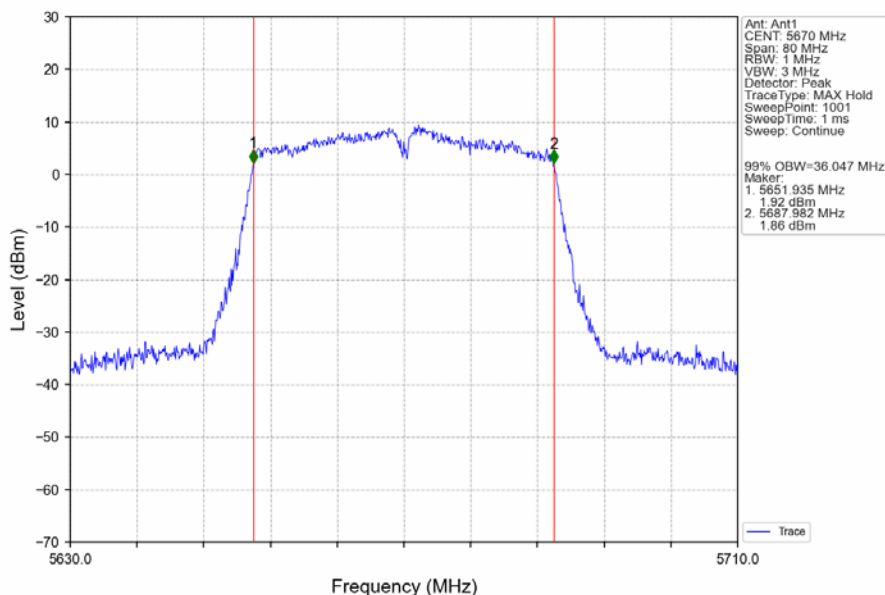
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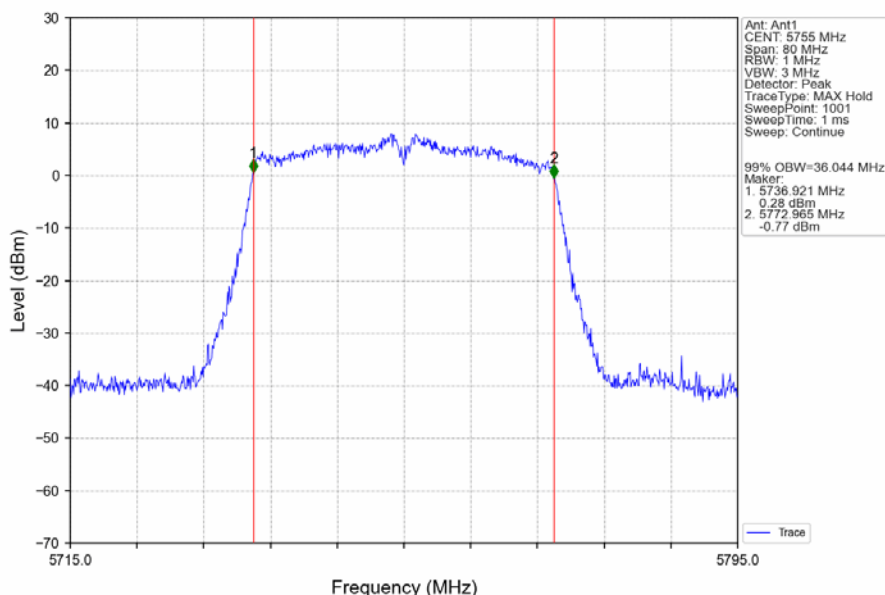
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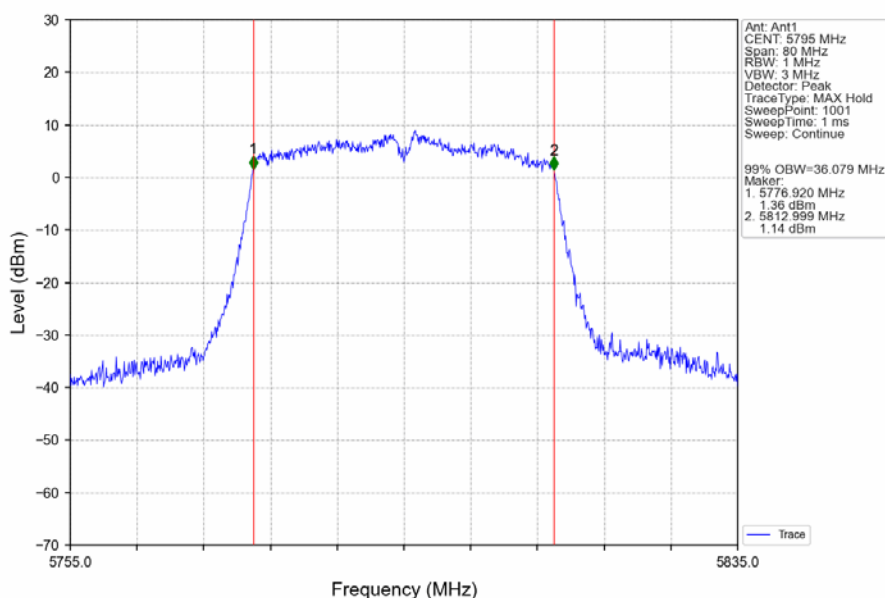
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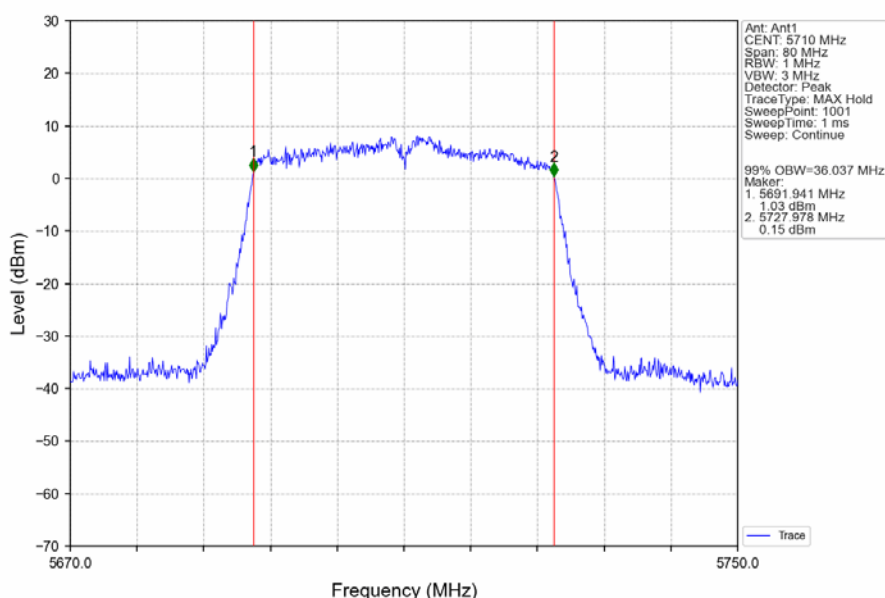
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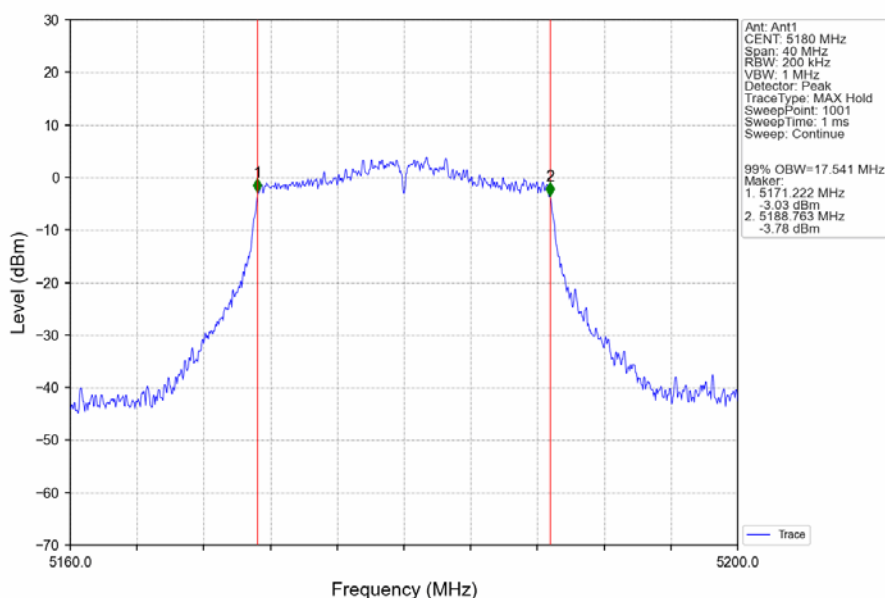
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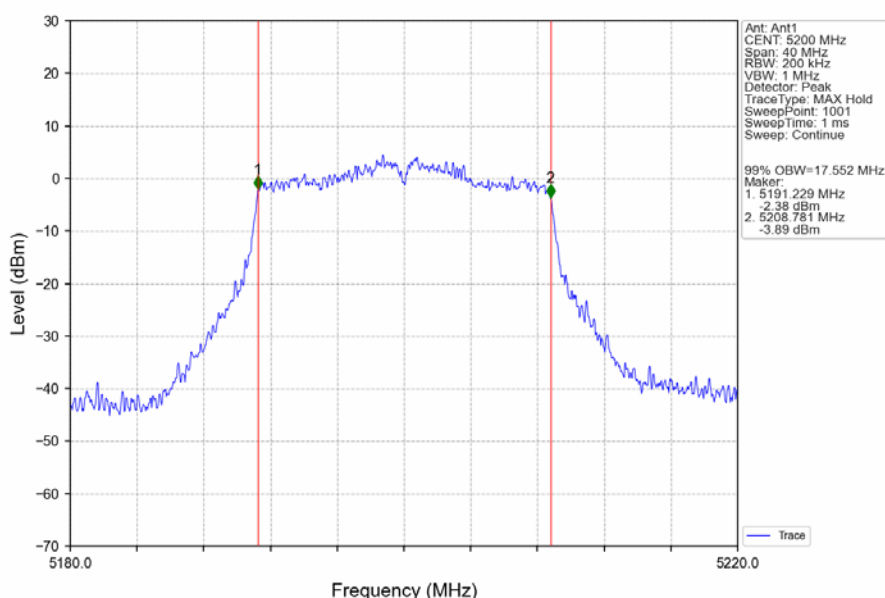
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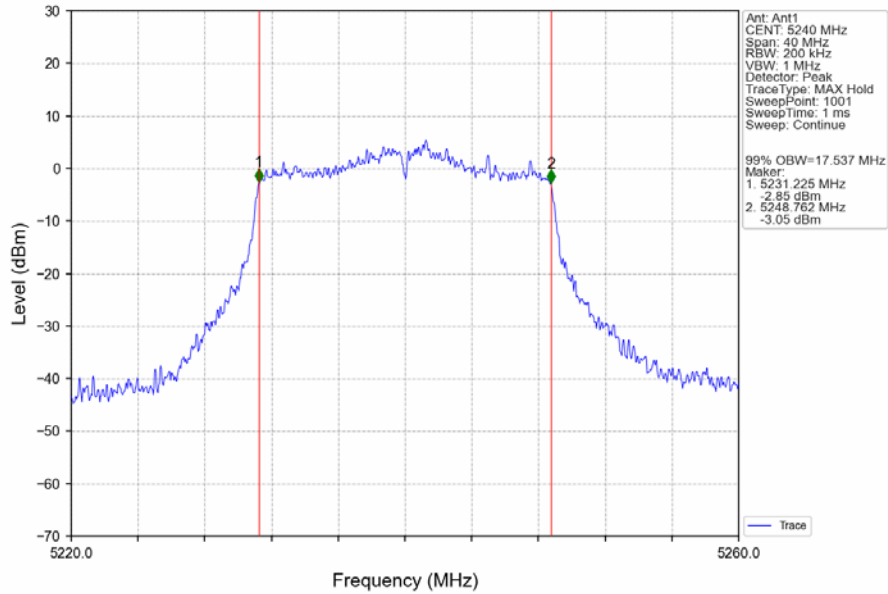
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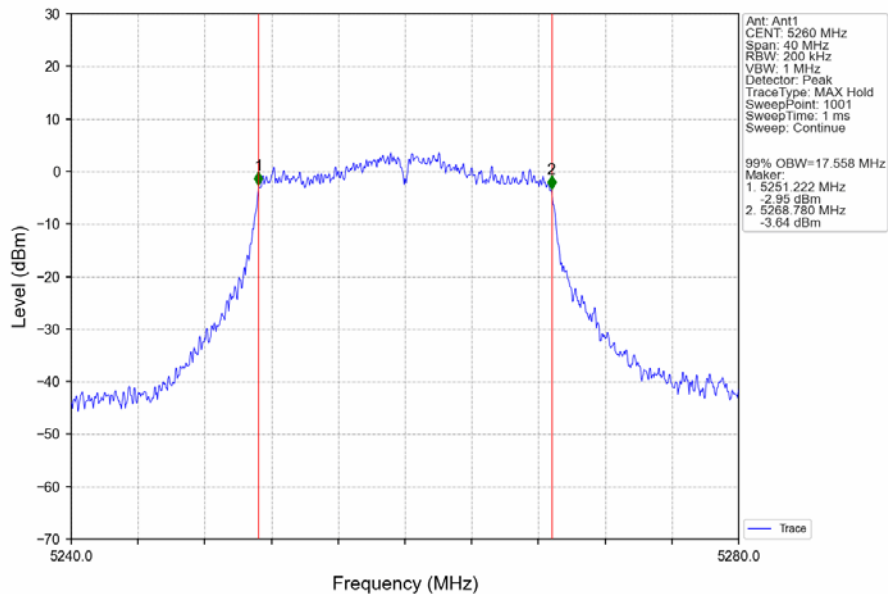
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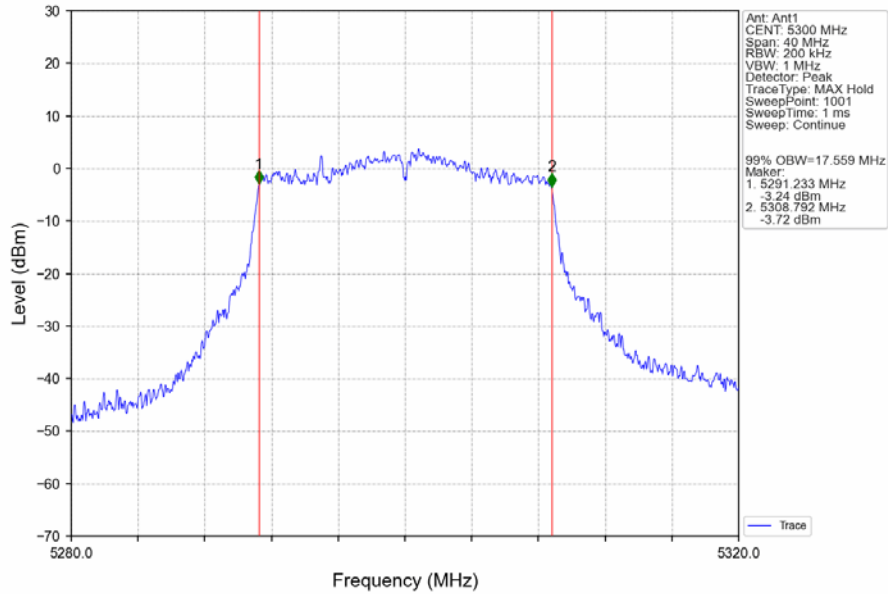
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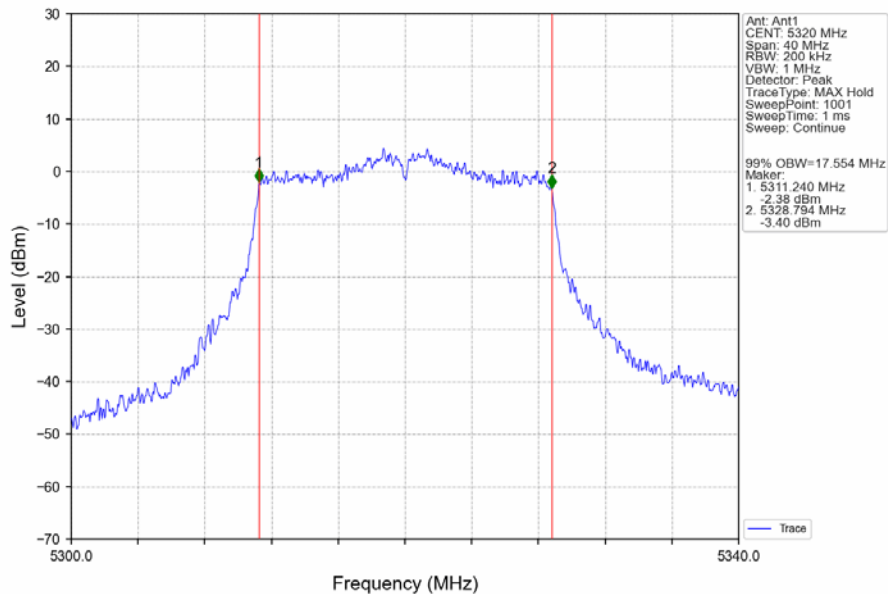
802.11ac(VHT20)_LCH_5260MHz_Ant1_NTNV



802.11ac(VHT20)_MCH_5300MHz_Ant1_NTNV



802.11ac(VHT20)_HCH_5320MHz_Ant1_NTNV



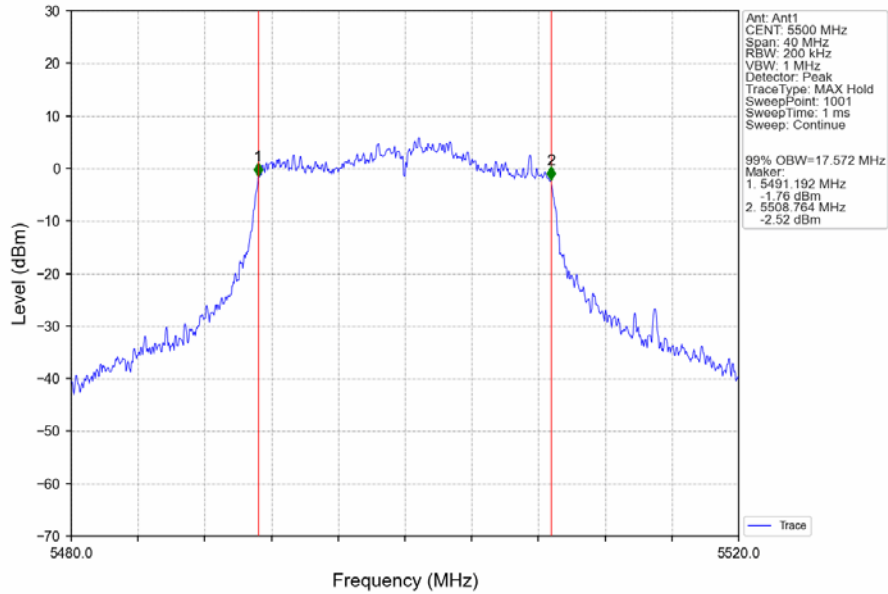
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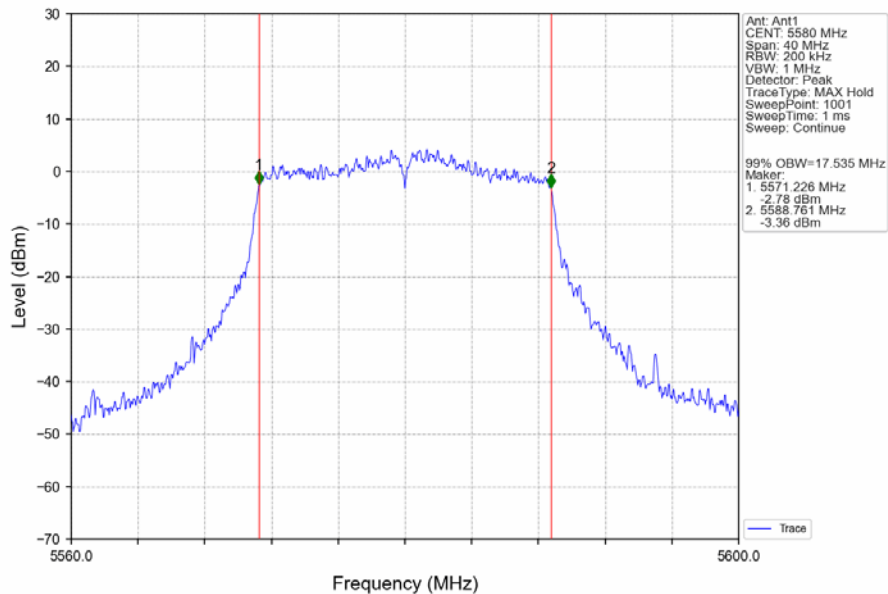
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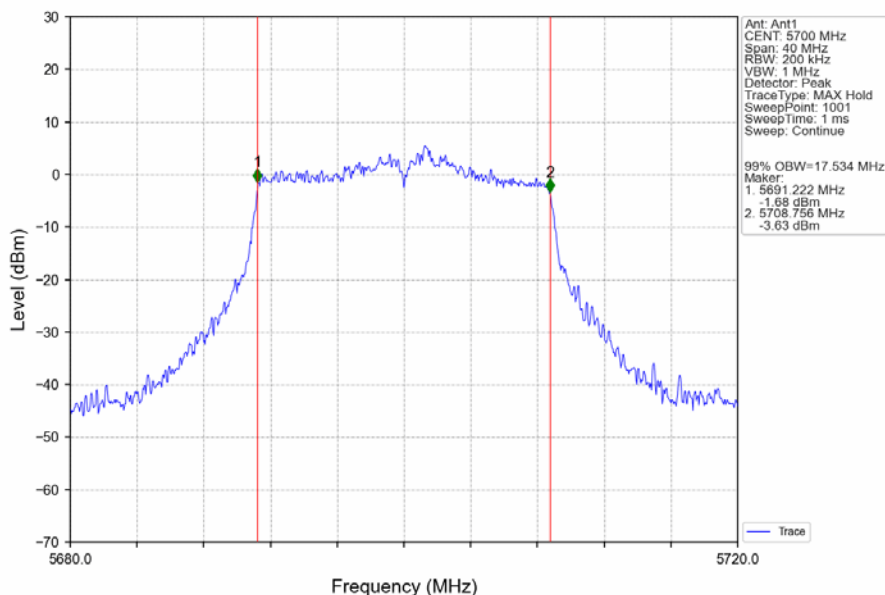
802.11ac(VHT20)_LCH_5500MHz_Ant1_NTNV



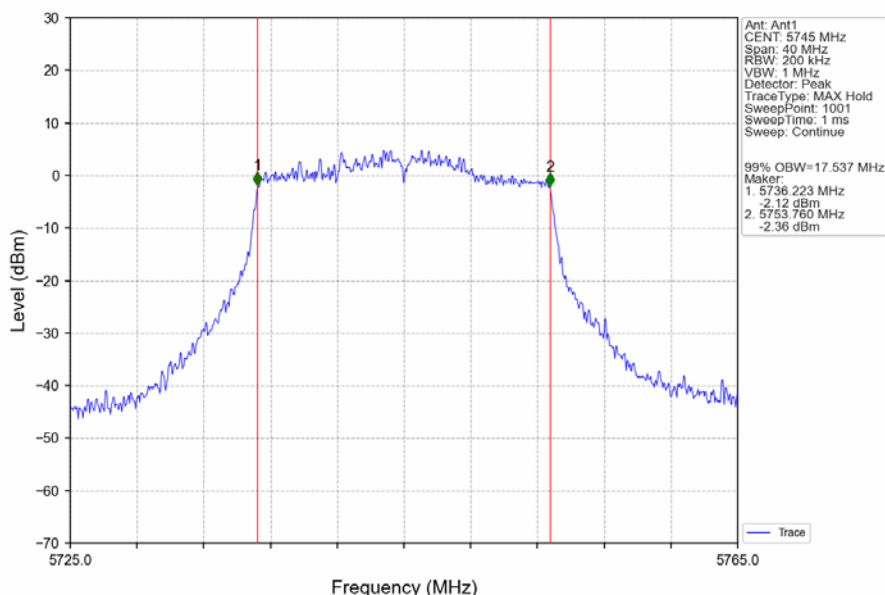
802.11ac(VHT20)_MCH_5580MHz_Ant1_NTNV



802.11ac(VHT20)_HCH_5700MHz_Ant1_NTNV



802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



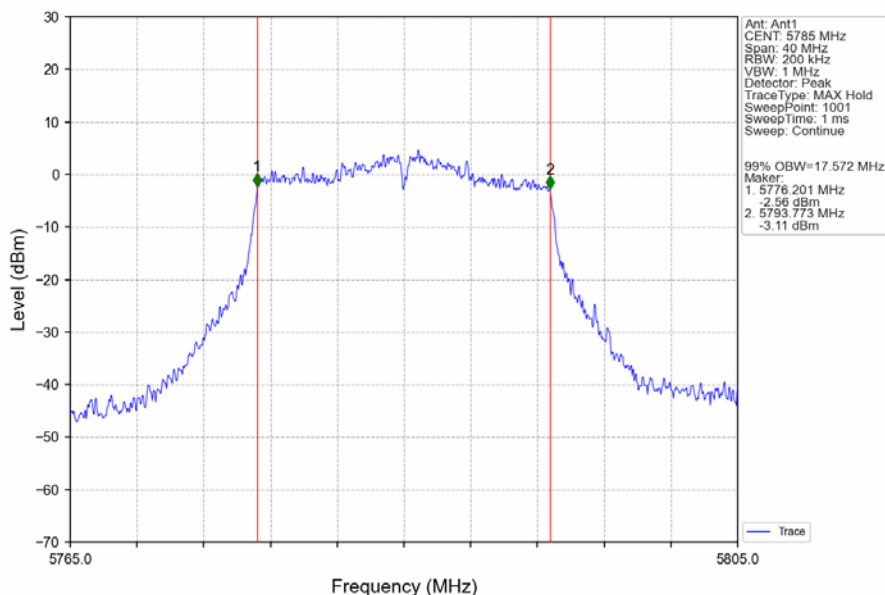
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802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV

