

Appendix B for SHCR220100002502

1. Duty Cycle

1.1 Ant1

1.1.1 Test Result

Ant1							
Mode	TX Type	Frequency (MHz)	T _{on} (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11a	SISO	5180	1.396	1.494	93.44	0.29	0.03
		5200	1.396	1.495	93.38	0.30	0.03
		5240	1.396	1.495	93.38	0.30	0.03
		5260	1.396	1.494	93.44	0.29	0.03
		5300	1.396	1.495	93.38	0.30	0.03
		5320	1.396	1.495	93.38	0.30	0.03
		5500	1.396	1.495	93.38	0.30	0.03
		5580	1.396	1.495	93.38	0.30	0.03
		5700	1.396	1.495	93.38	0.30	0.03
		5745	1.396	1.495	93.38	0.30	0.03
		5785	1.396	1.495	93.38	0.30	0.03
		5825	1.396	1.495	93.38	0.30	0.03
802.11n (HT20)	MIMO	5180	1.919	2.418	79.36	1.00	0.04
		5200	1.919	2.418	79.36	1.00	0.03
		5240	1.919	2.418	79.36	1.00	0.03
		5260	1.919	2.419	79.33	1.01	0.03
		5300	1.919	2.418	79.36	1.00	0.03
		5320	1.919	2.418	79.36	1.00	0.03
		5500	1.920	2.419	79.37	1.00	0.04
		5580	1.919	2.419	79.33	1.01	0.04
		5700	1.920	2.419	79.37	1.00	0.04
		5745	1.919	2.418	79.36	1.00	0.03
		5785	1.920	2.419	79.37	1.00	0.04
		5825	1.920	2.419	79.37	1.00	0.04
802.11n (HT40)	MIMO	5190	0.128	0.227	56.39	2.49	0.03
		5230	0.128	0.227	56.39	2.49	0.03
		5270	0.100	0.199	50.25	2.99	0.05
		5310	0.100	0.199	50.25	2.99	0.10
		5510	0.100	0.199	50.25	2.99	0.07
		5550	0.128	0.227	56.39	2.49	0.05
		5670	0.128	0.227	56.39	2.49	0.06
		5755	0.128	0.227	56.39	2.49	0.08
802.11ac (VHT20)	MIMO	5795	0.128	0.227	56.39	2.49	0.02
		5180	1.932	2.431	79.47	1.00	0.03
		5200	1.932	2.431	79.47	1.00	0.03
		5240	1.931	2.431	79.43	1.00	0.03
		5260	1.931	2.430	79.47	1.00	0.03
		5300	1.932	2.431	79.47	1.00	0.03
		5320	1.932	2.431	79.47	1.00	0.03
		5500	1.932	2.431	79.47	1.00	0.03
		5580	1.931	2.430	79.47	1.00	0.04
		5700	1.932	2.431	79.47	1.00	0.03

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		5745	1.932	2.431	79.47	1.00	0.04
		5785	1.932	2.431	79.47	1.00	0.03
		5825	1.931	2.431	79.43	1.00	0.04
802.11ac (VHT40)	MIMO	5190	1.544	2.043	75.58	1.22	0.04
		5230	1.544	2.043	75.58	1.22	0.03
		5270	1.544	2.043	75.58	1.22	0.00
		5310	1.544	2.043	75.58	1.22	0.00
		5510	1.544	2.044	75.54	1.22	0.03
		5550	1.544	2.044	75.54	1.22	0.03
		5670	1.543	2.043	75.53	1.22	0.00
		5755	1.543	2.043	75.53	1.22	0.00
		5795	1.544	2.043	75.58	1.22	0.03
		5210	0.460	0.960	47.92	3.20	0.02
802.11ac (VHT80)	MIMO	5290	0.460	0.959	47.97	3.19	0.03
		5530	0.460	0.960	47.92	3.20	0.05
		5610	0.460	0.960	47.92	3.20	0.03
		5775	0.460	0.959	47.97	3.19	0.03

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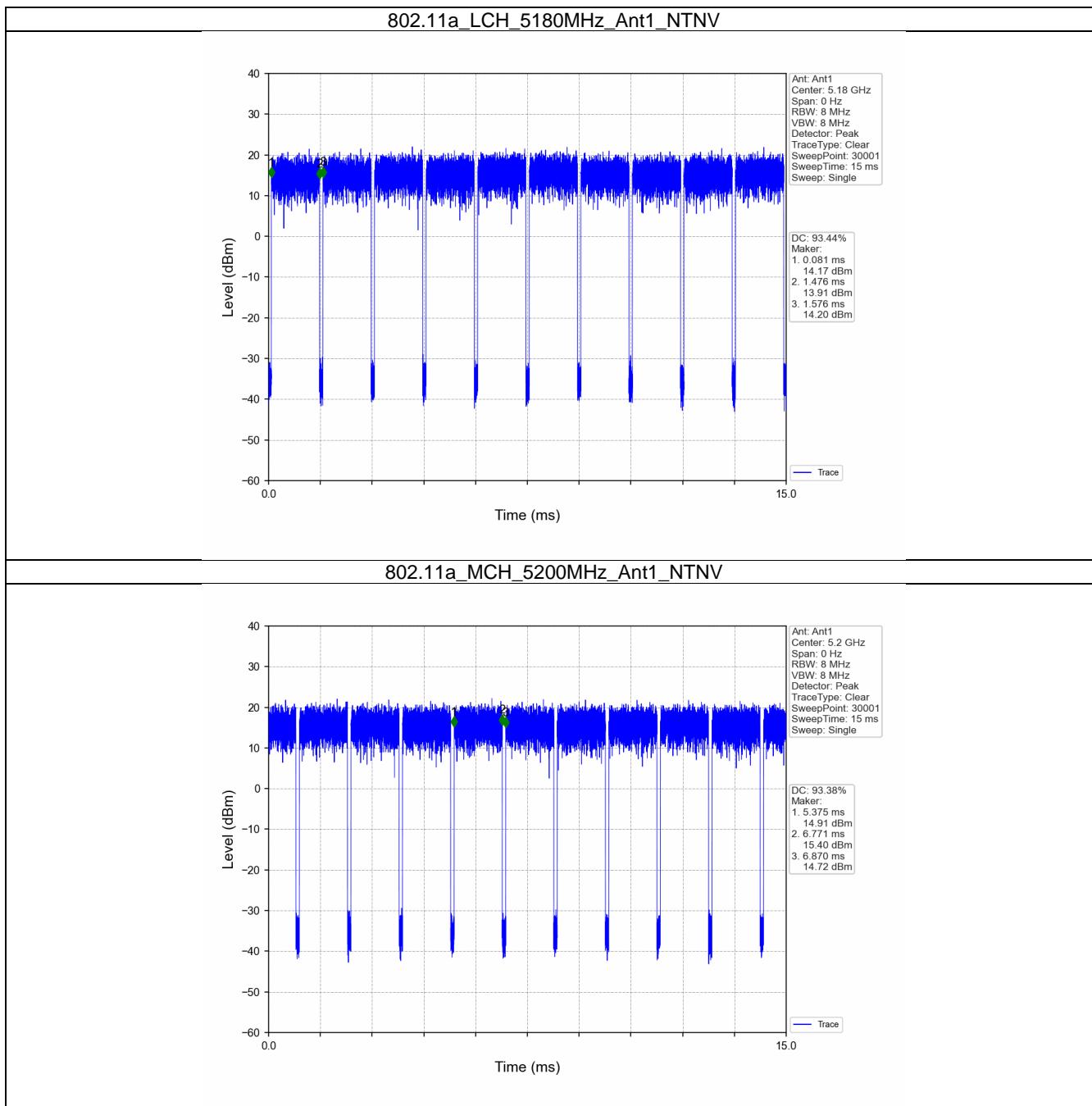
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1.1.2 Test Graph



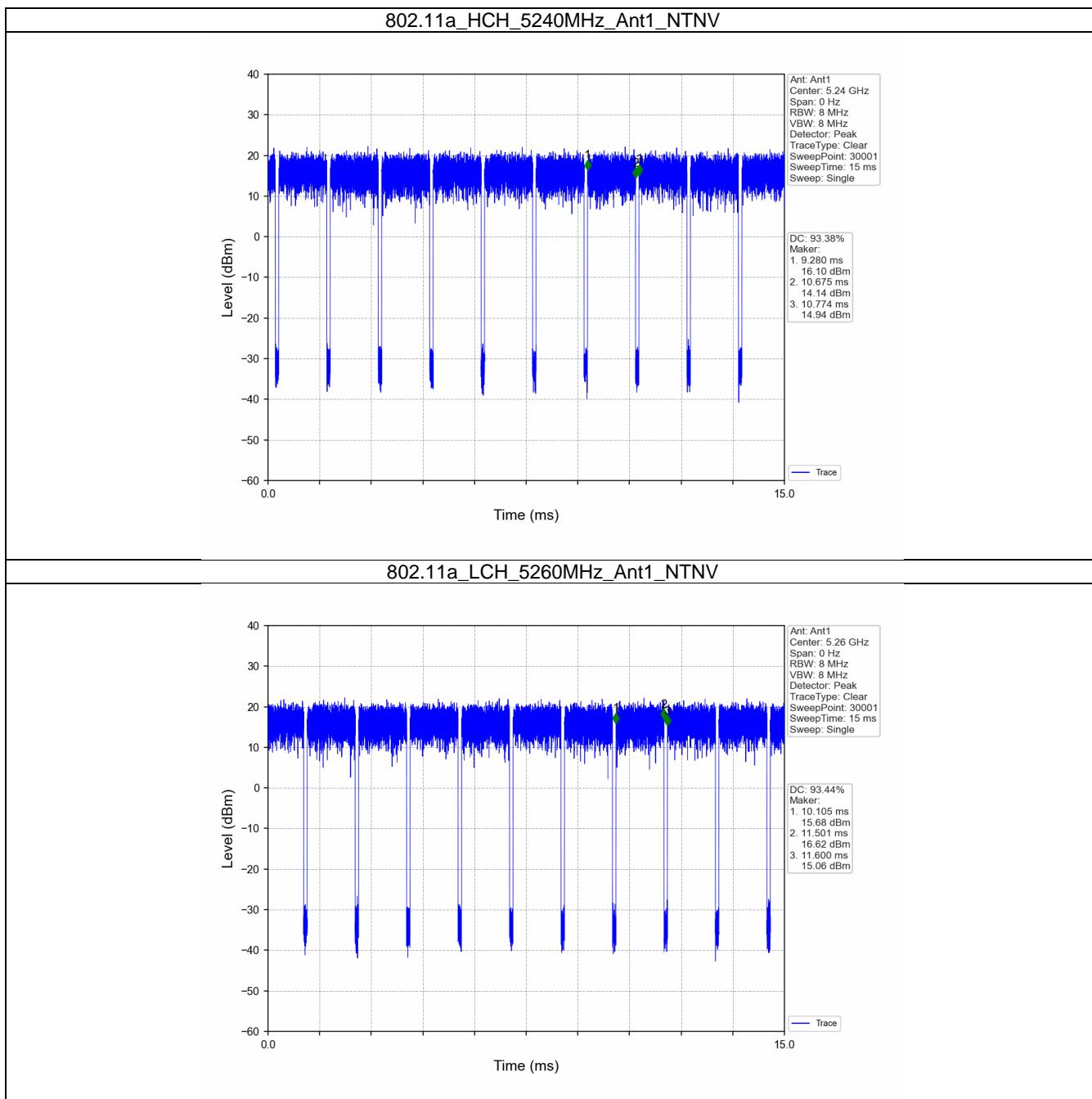
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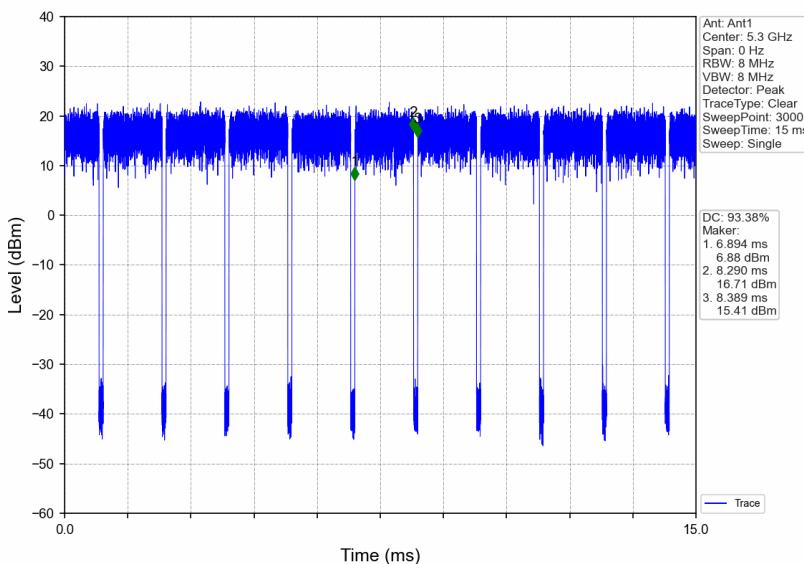
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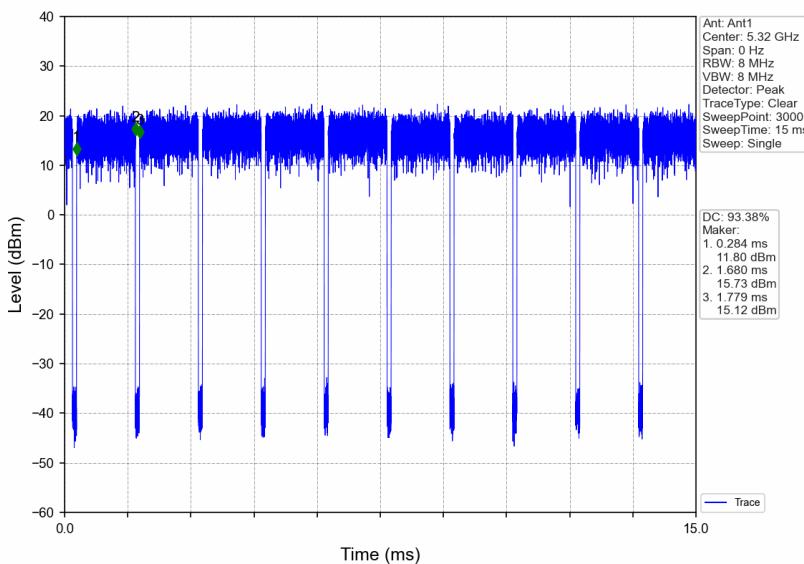
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802.11a MCH 5300MHz Ant1 NTV



802.11a_HCH_5320MHz_Ant1_NTNV



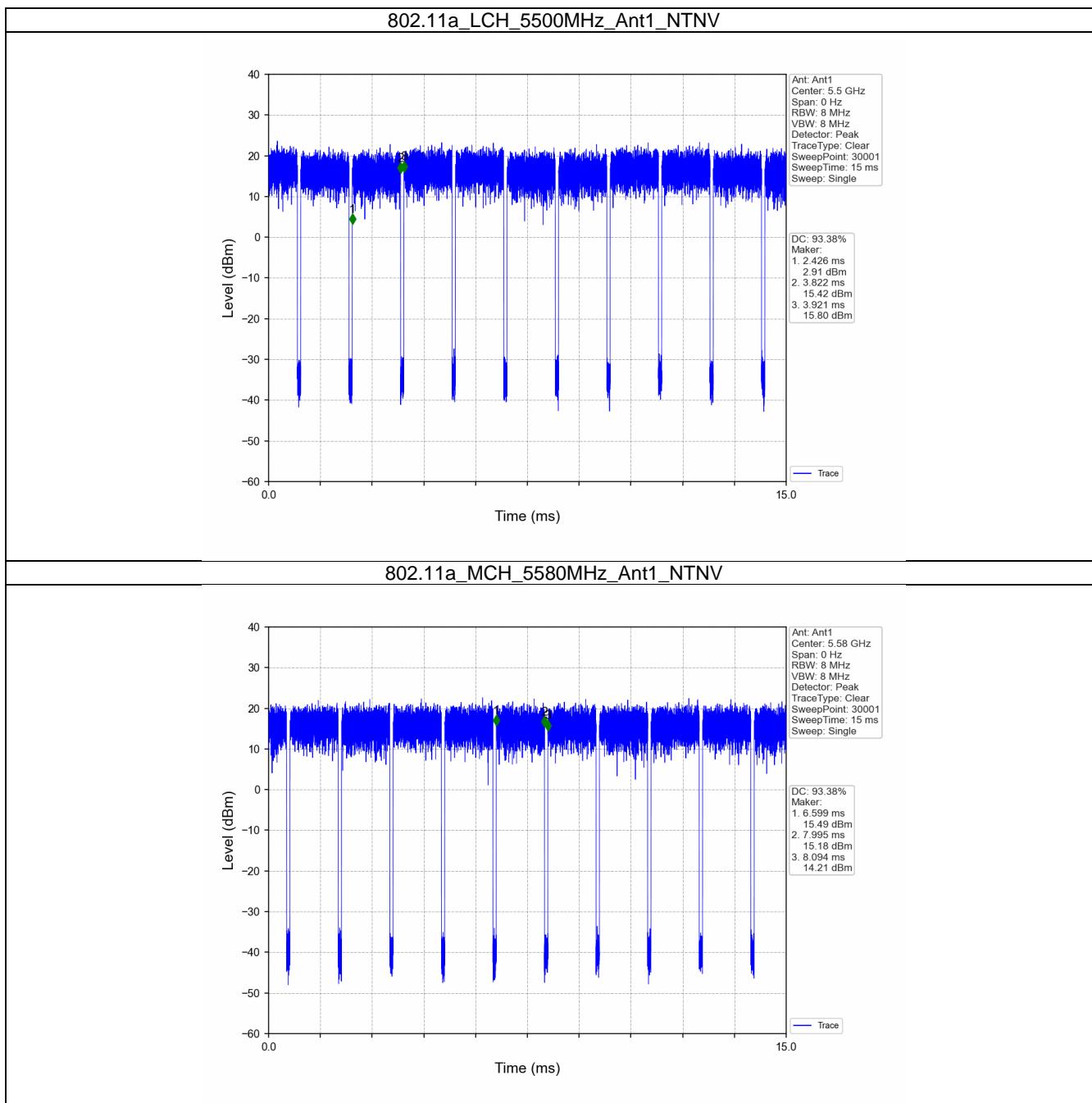
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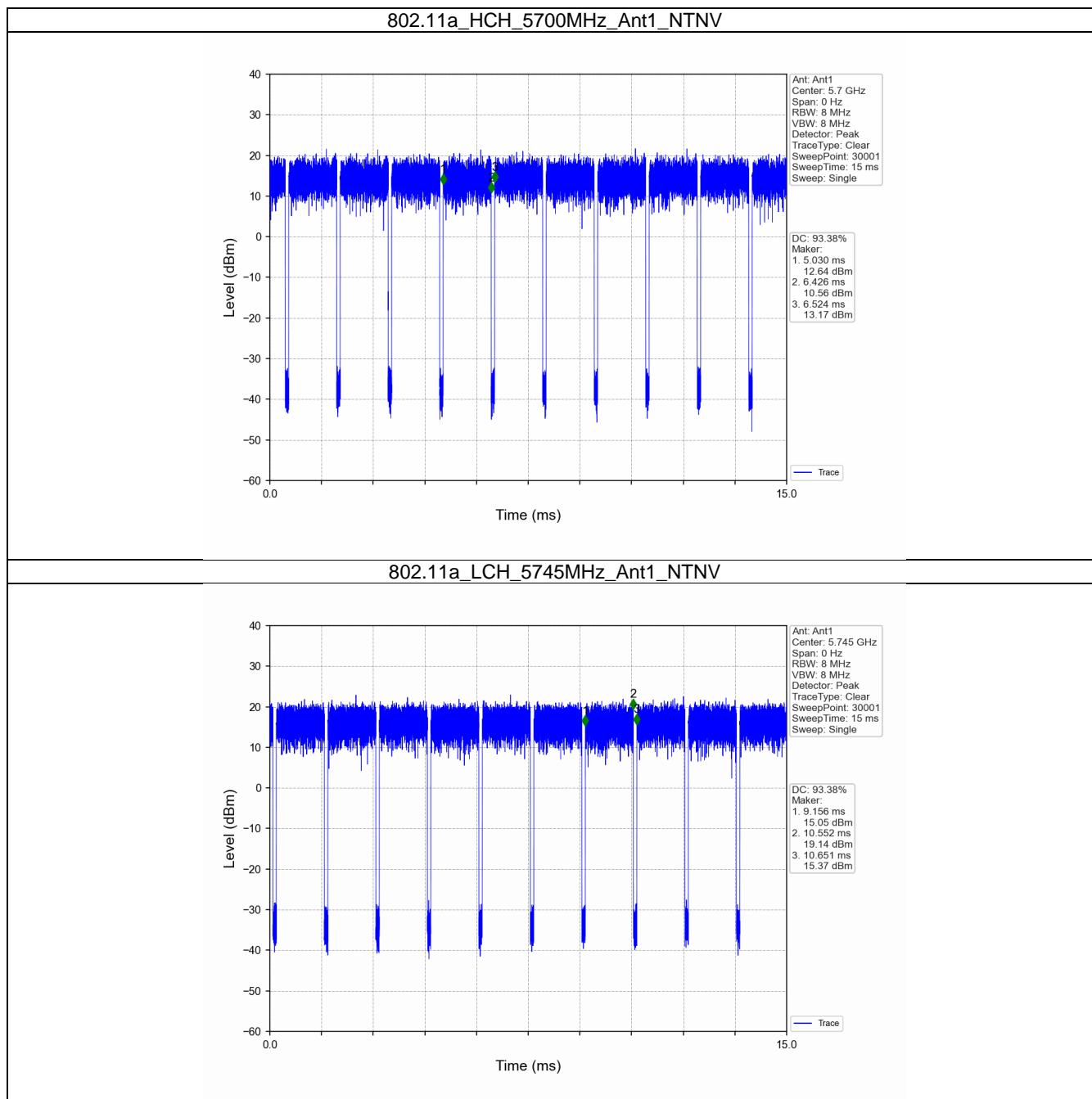
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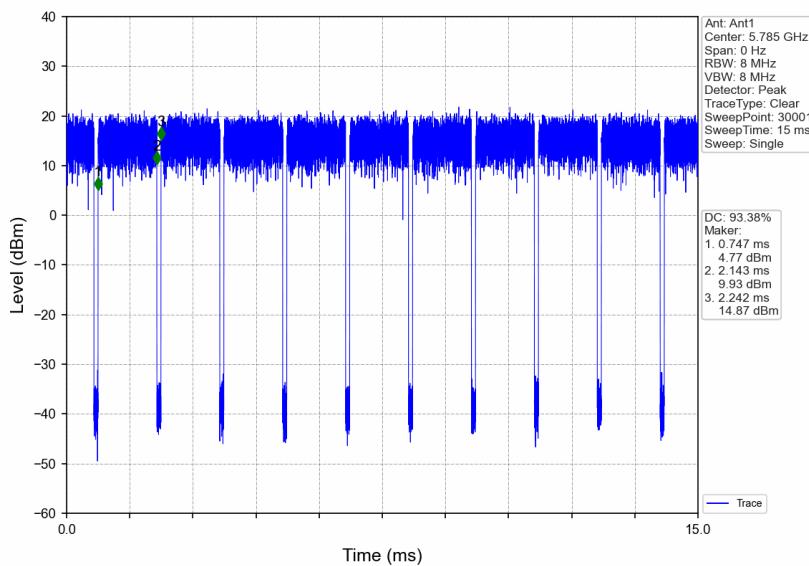
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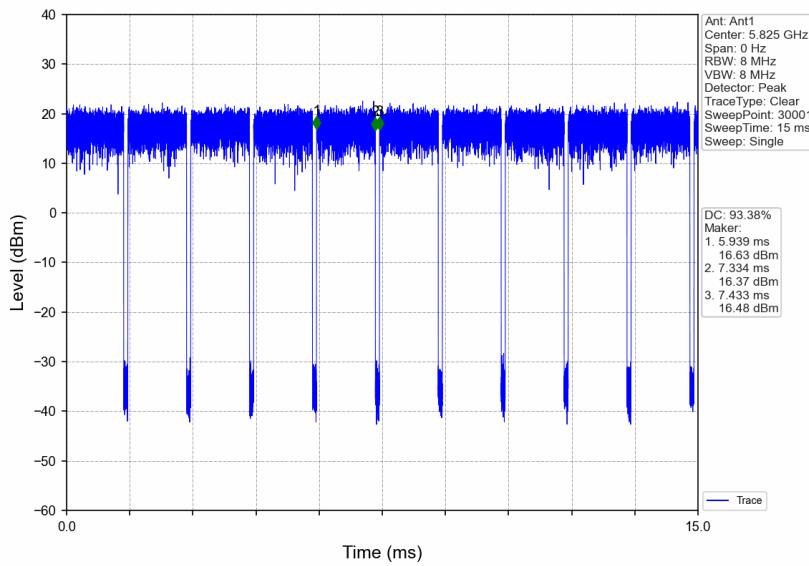
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802.11a_MCH_5785MHz_Ant1_NTNV



802.11a_HCH_5825MHz_Ant1_NTNV



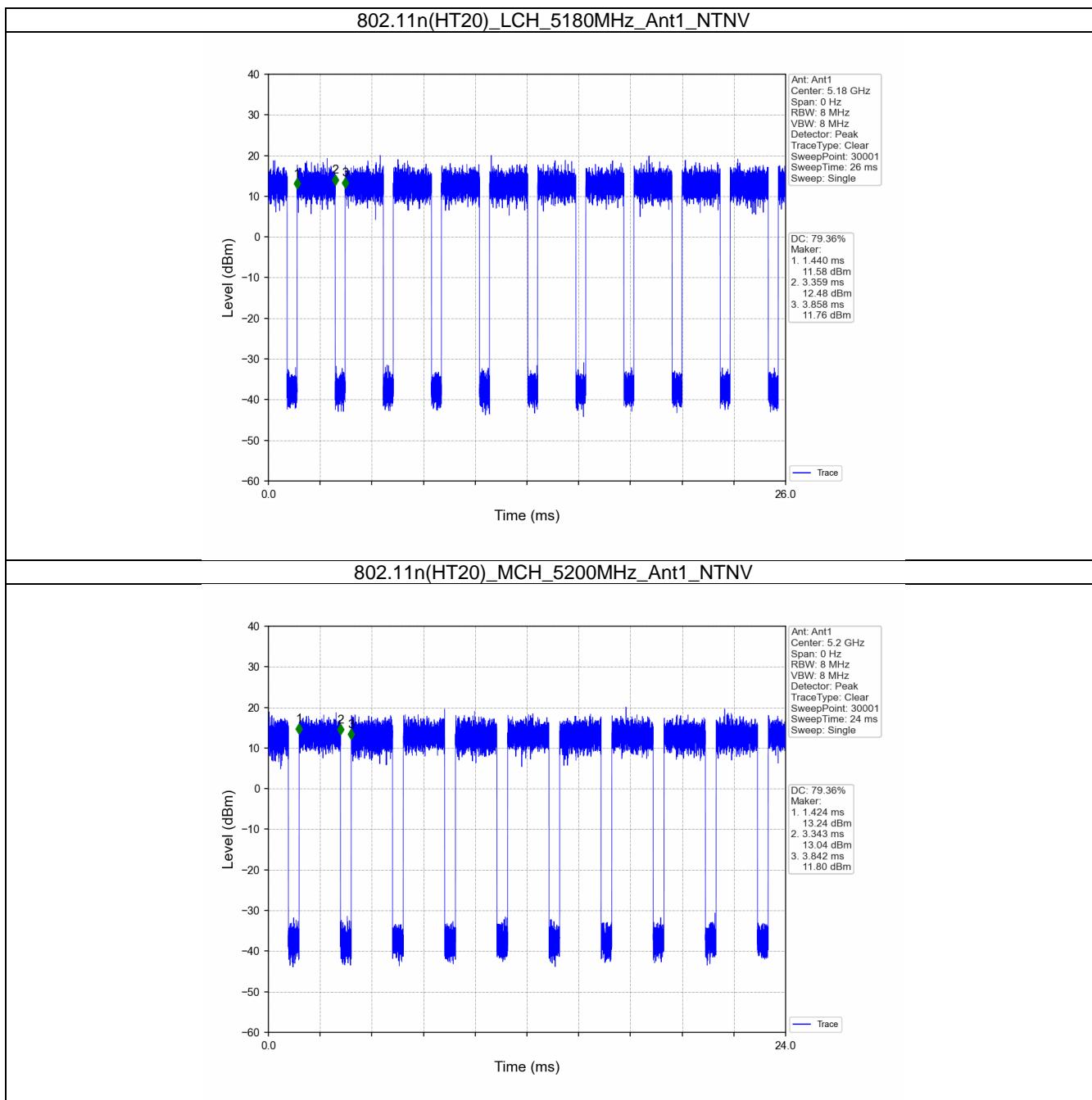
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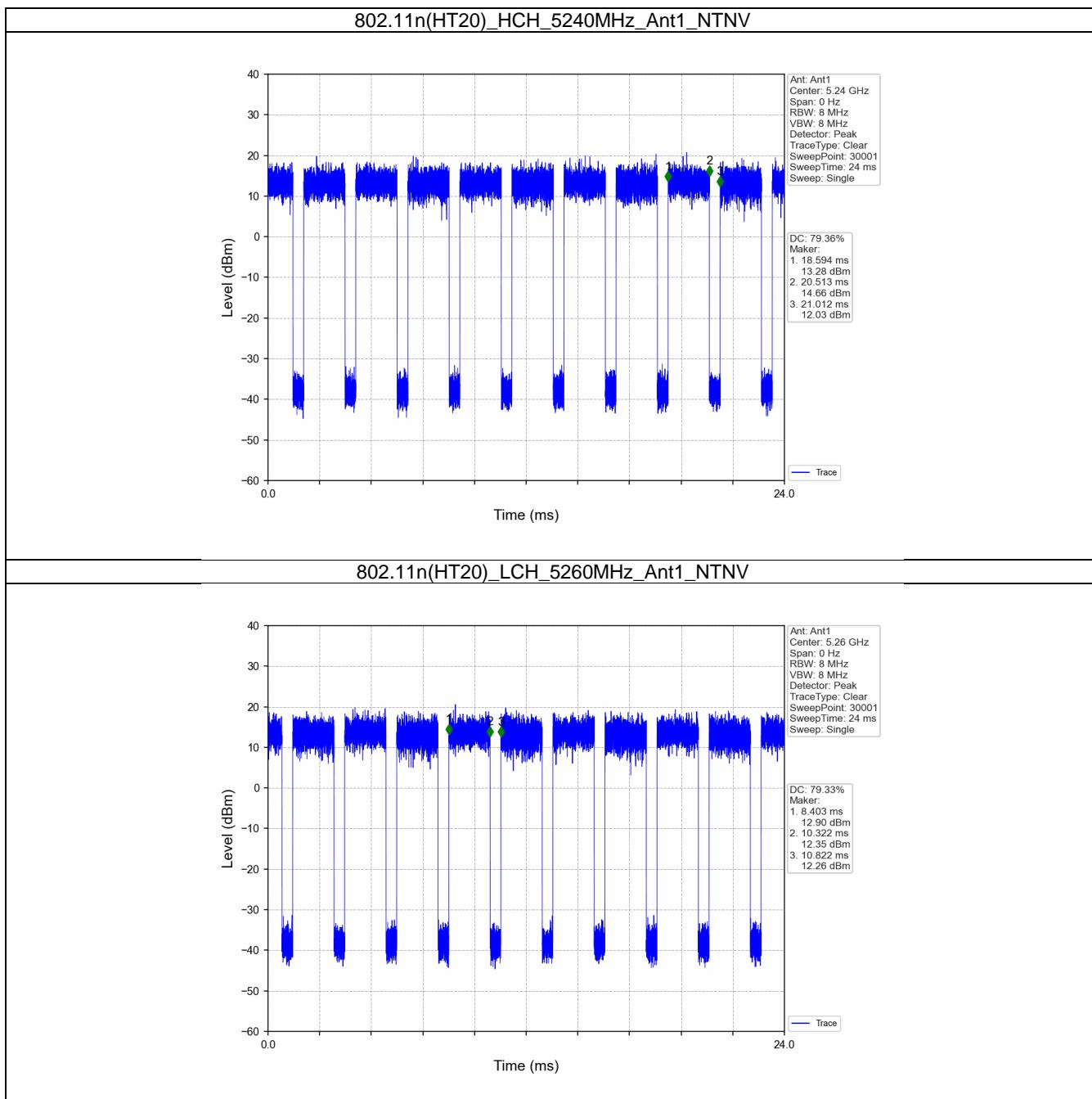
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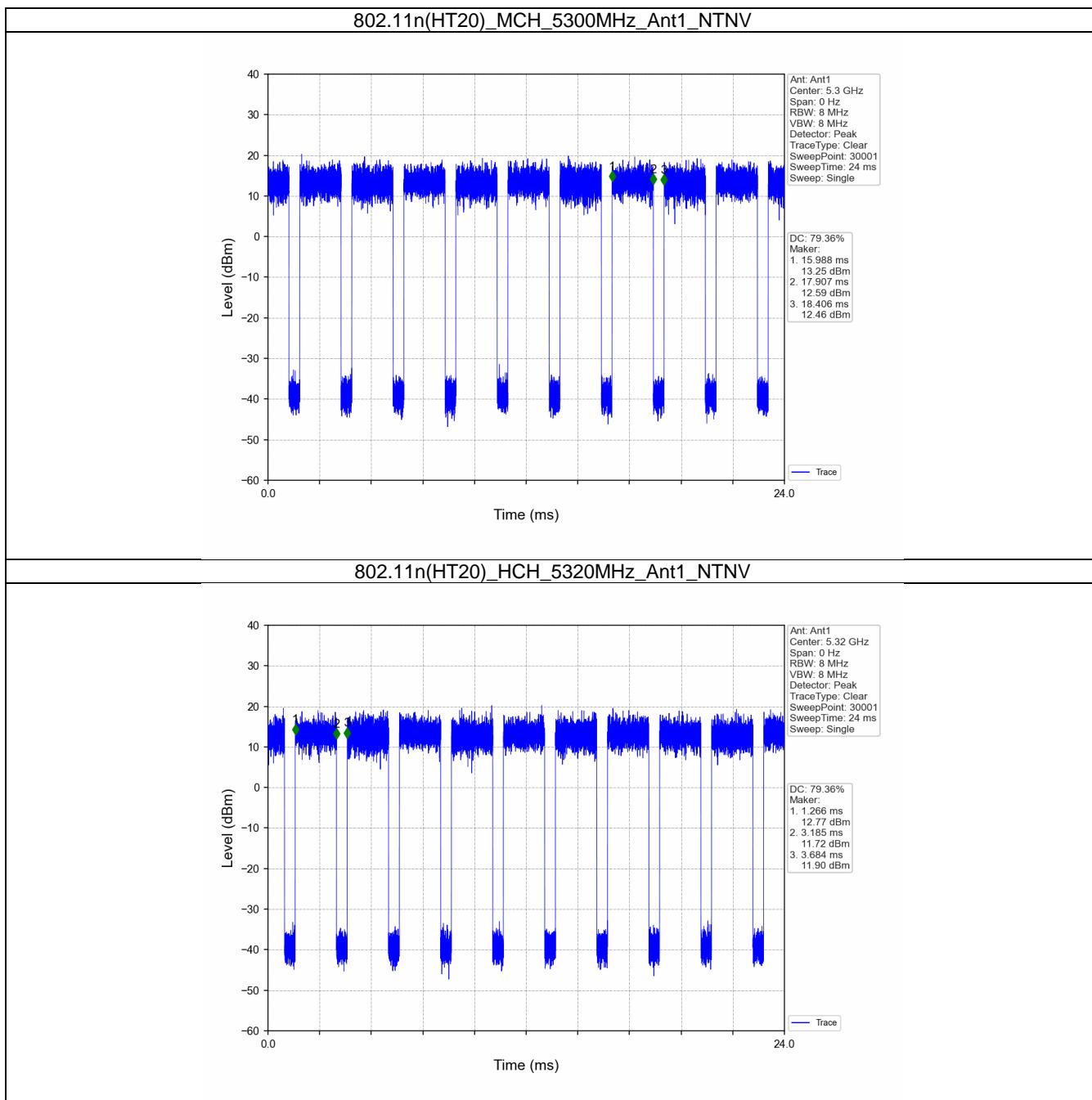
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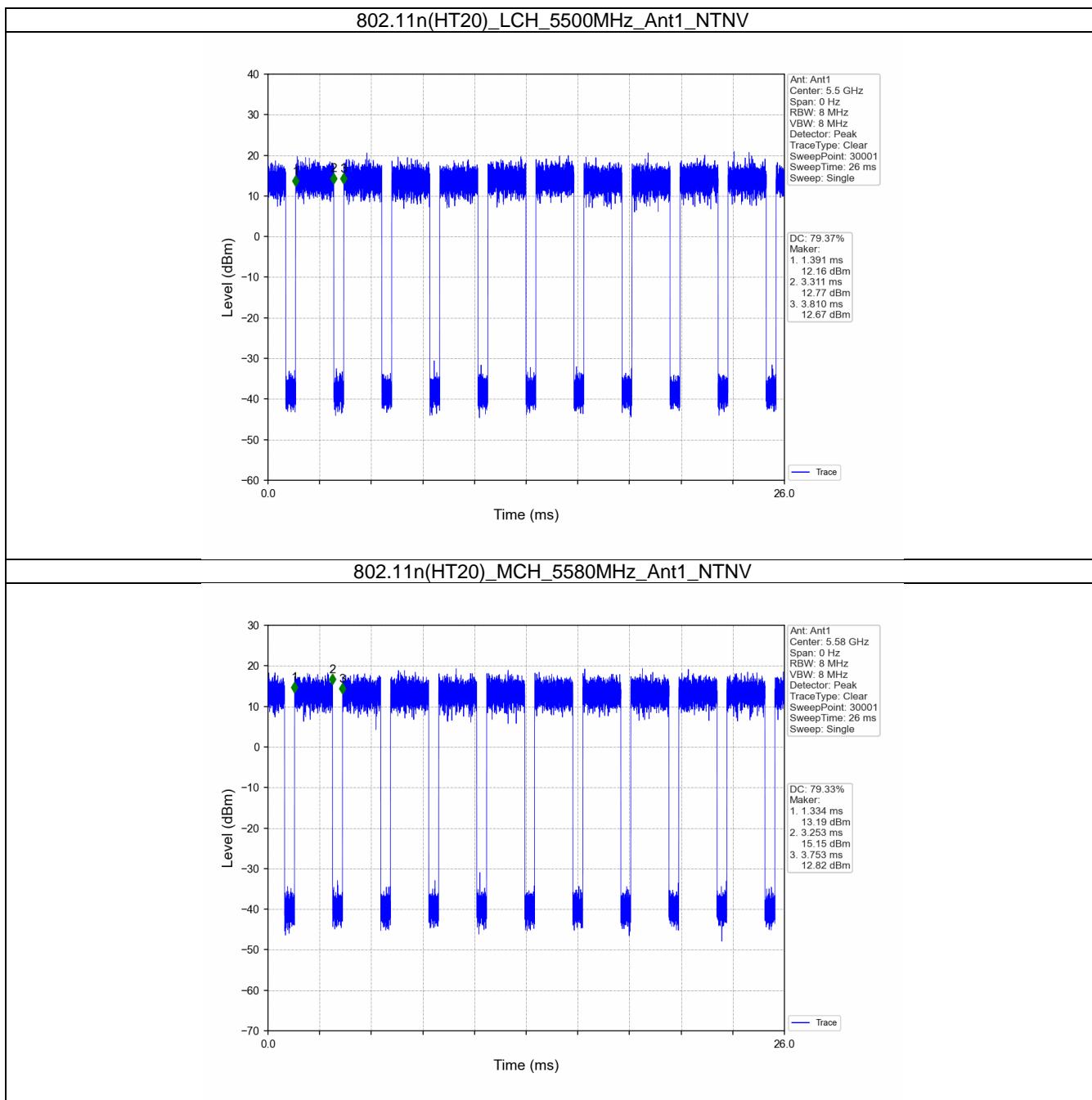
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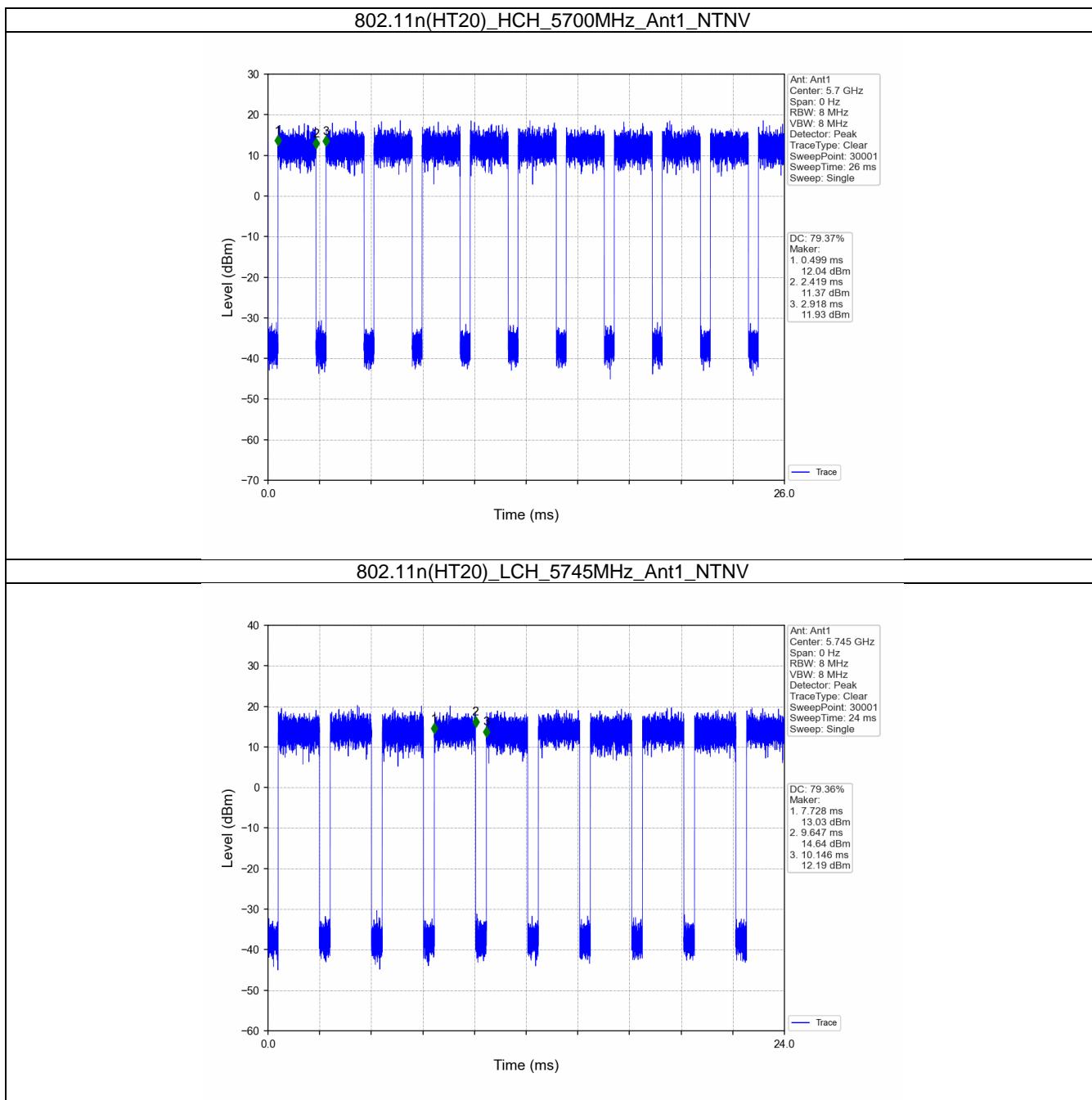
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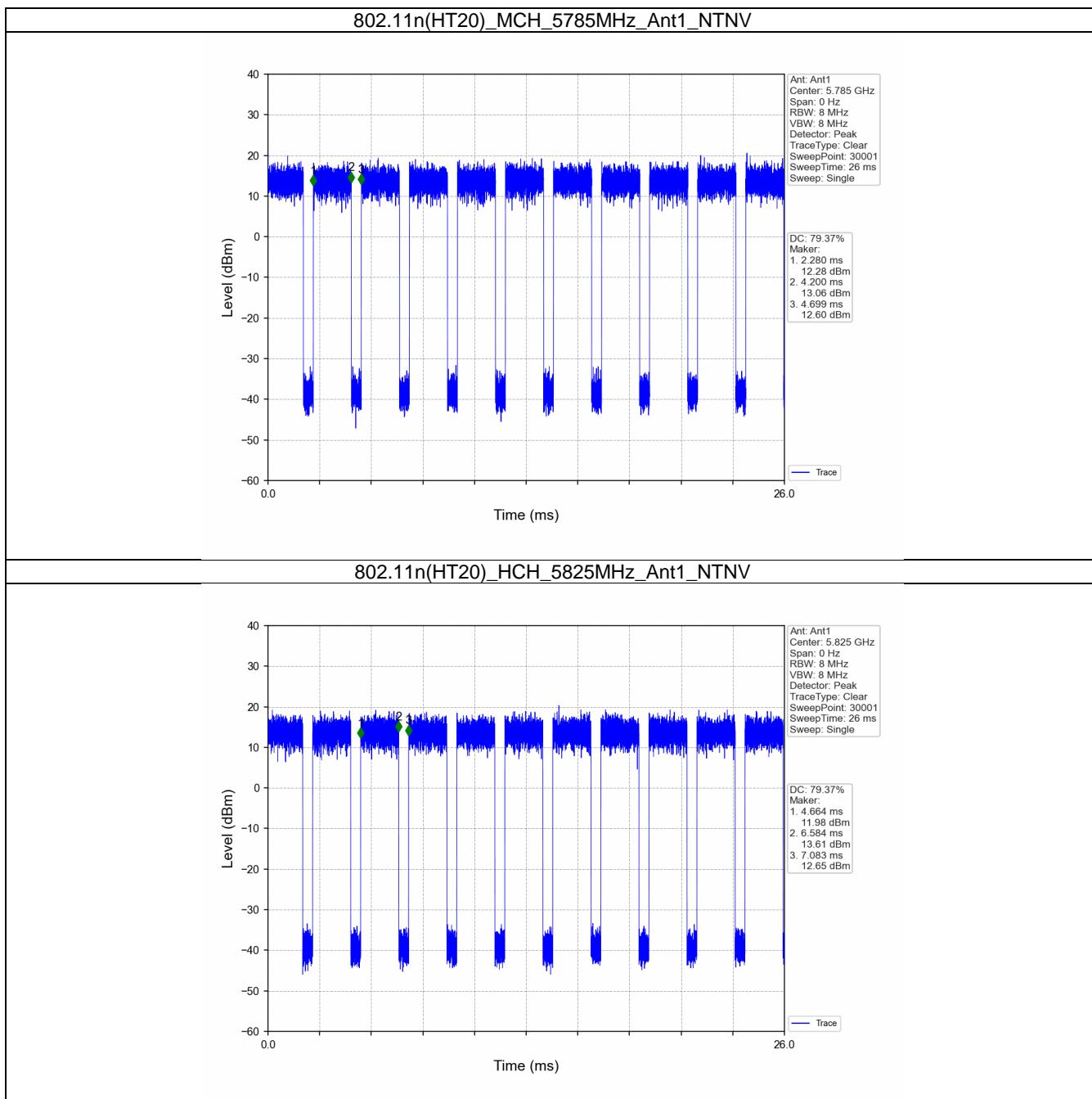
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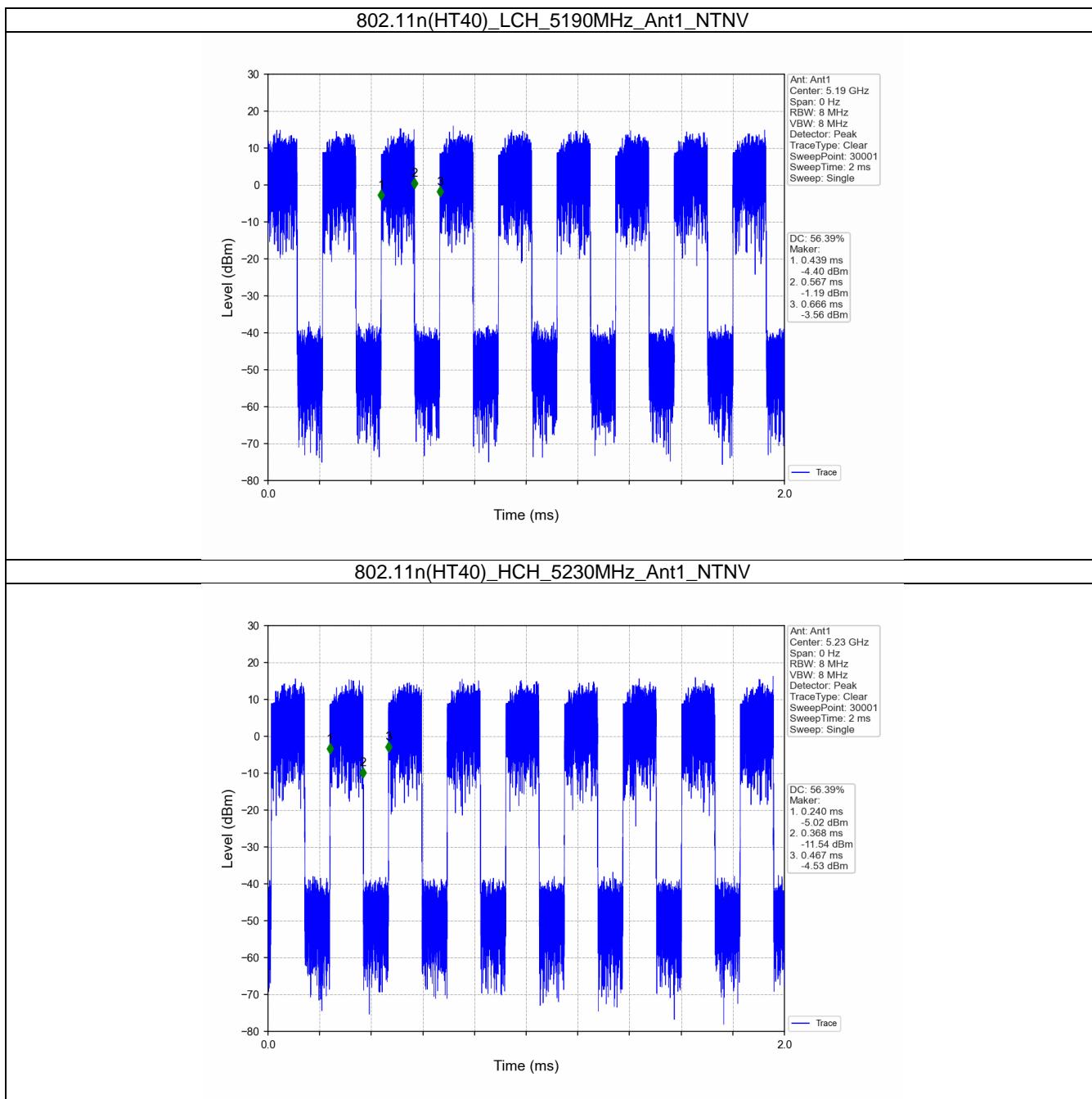
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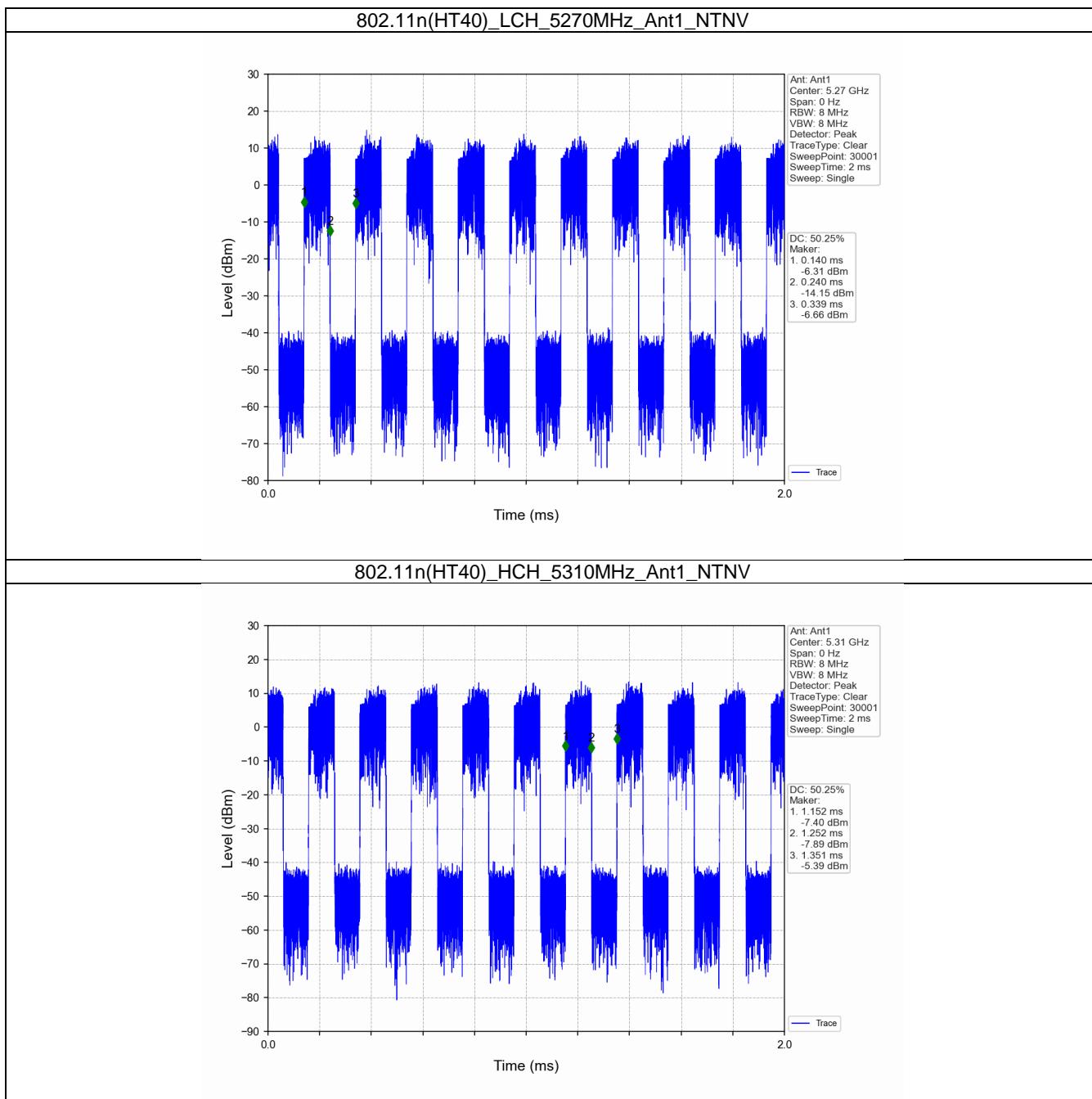
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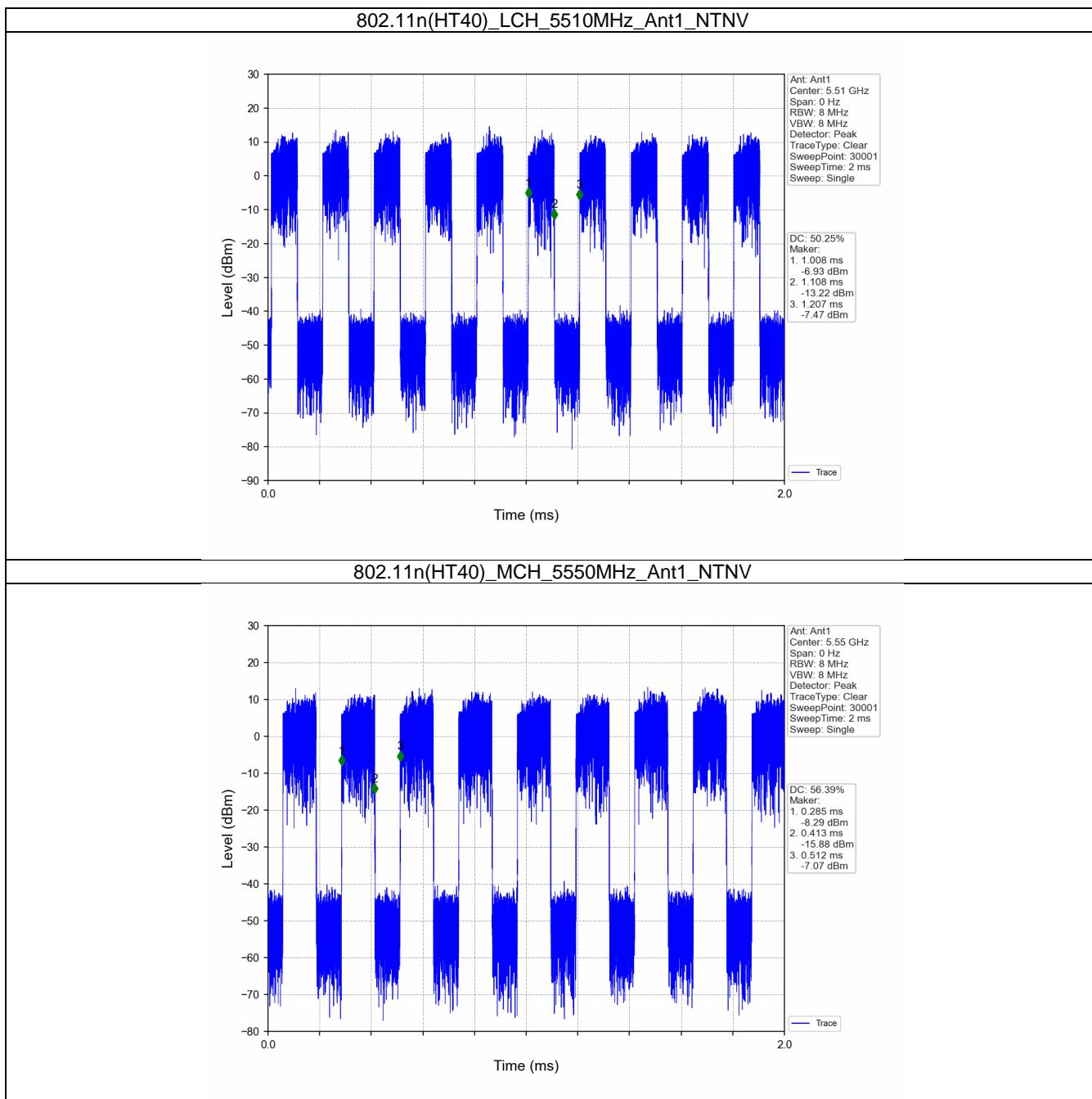
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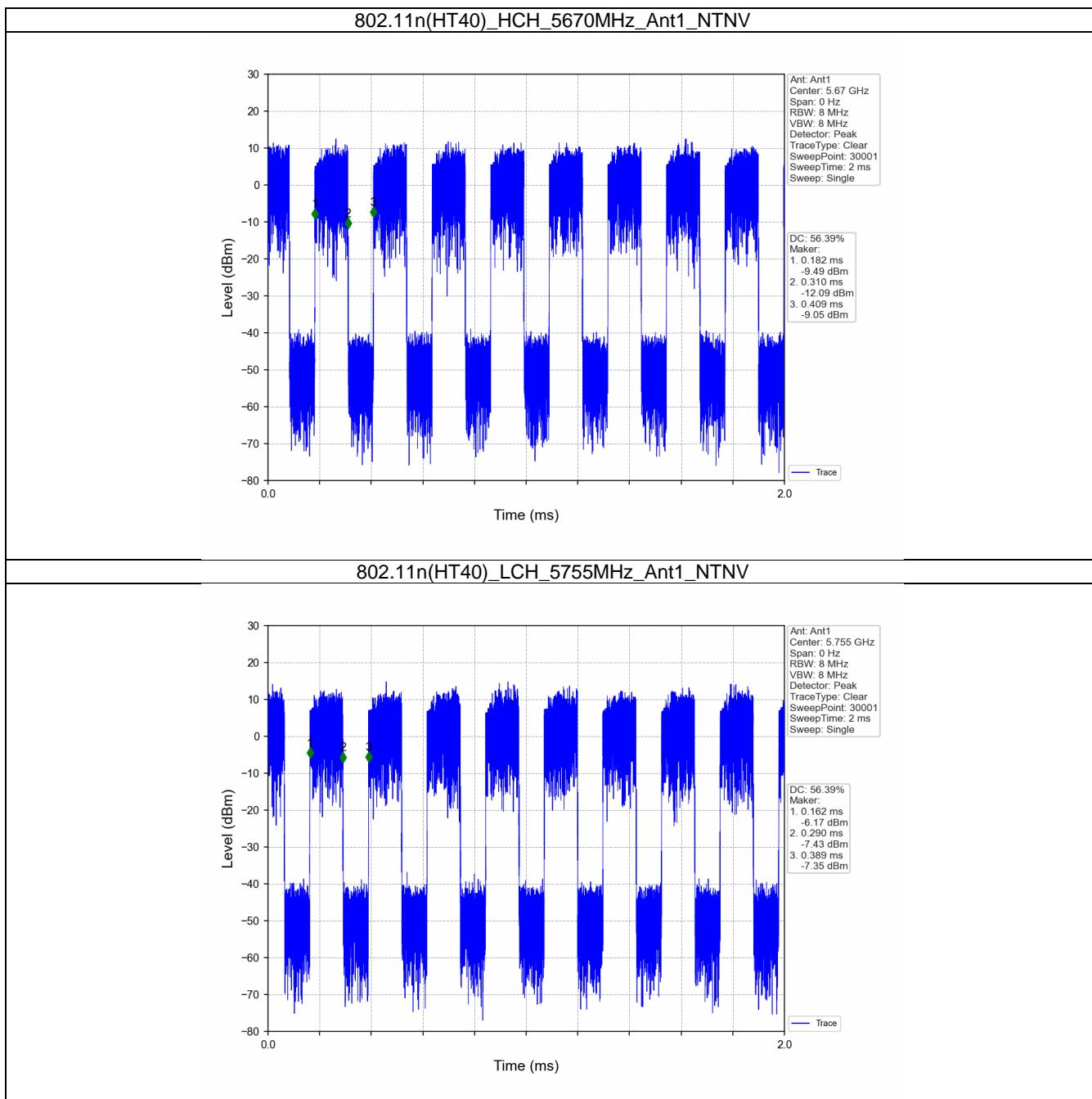
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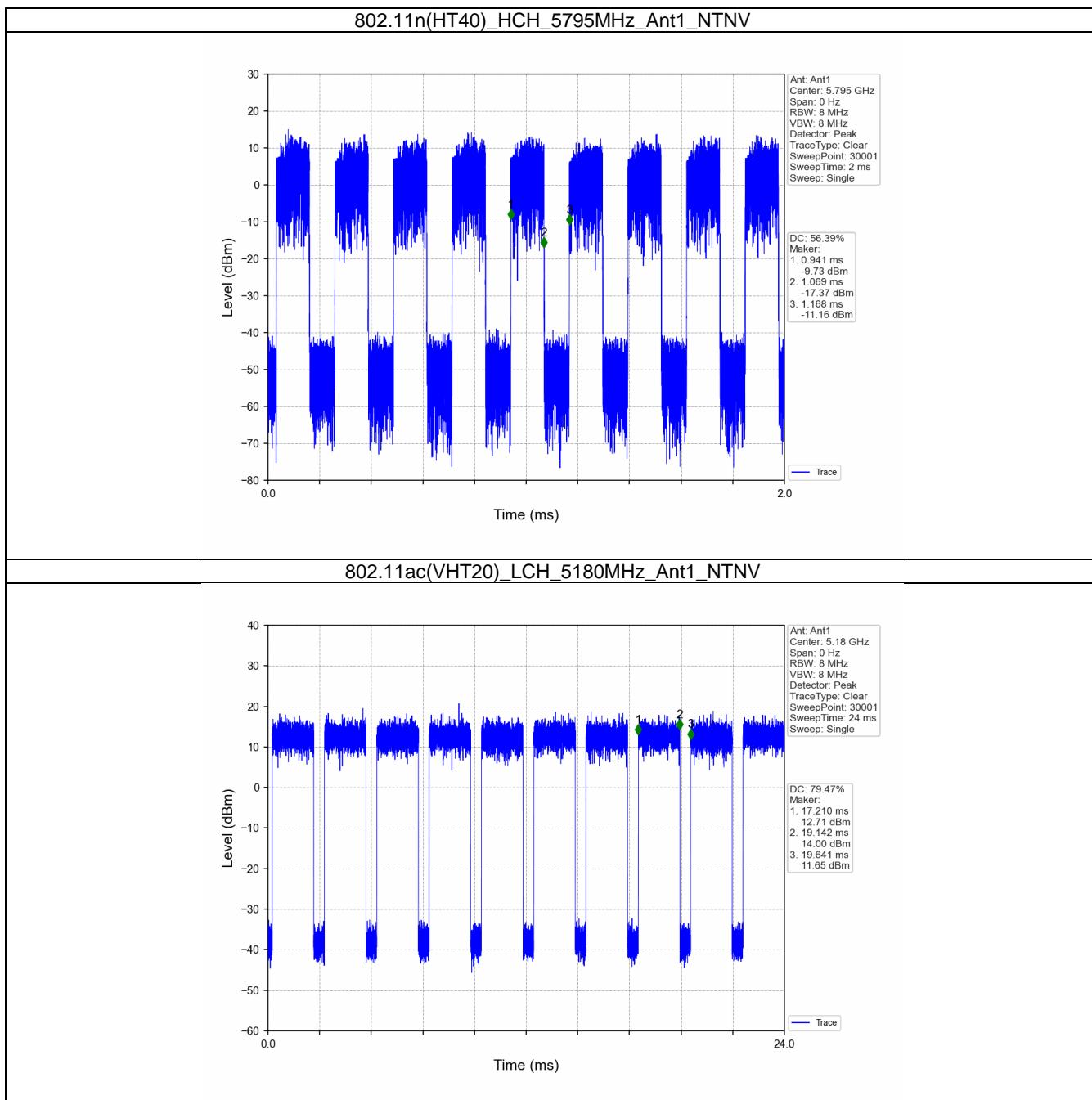
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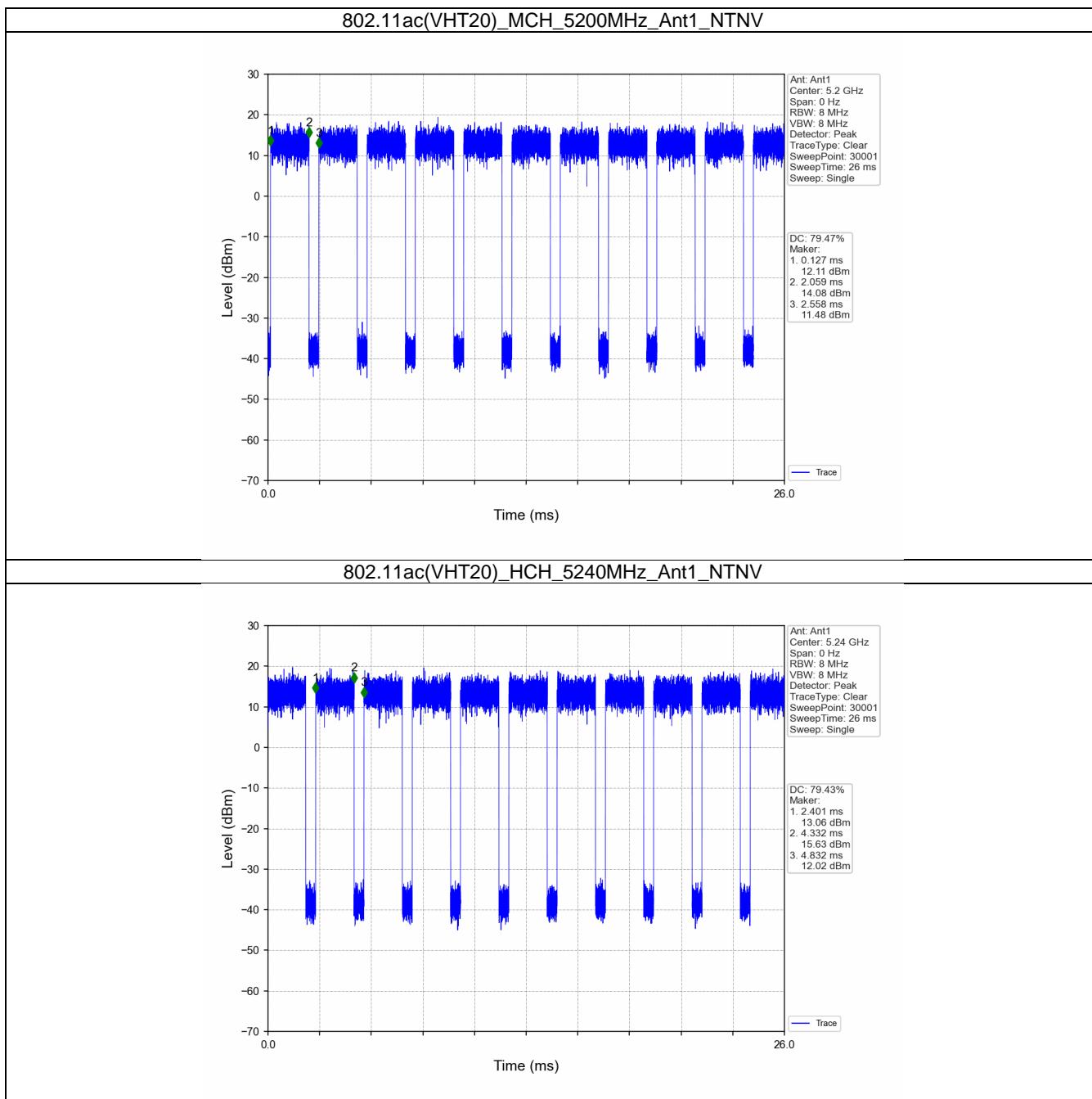
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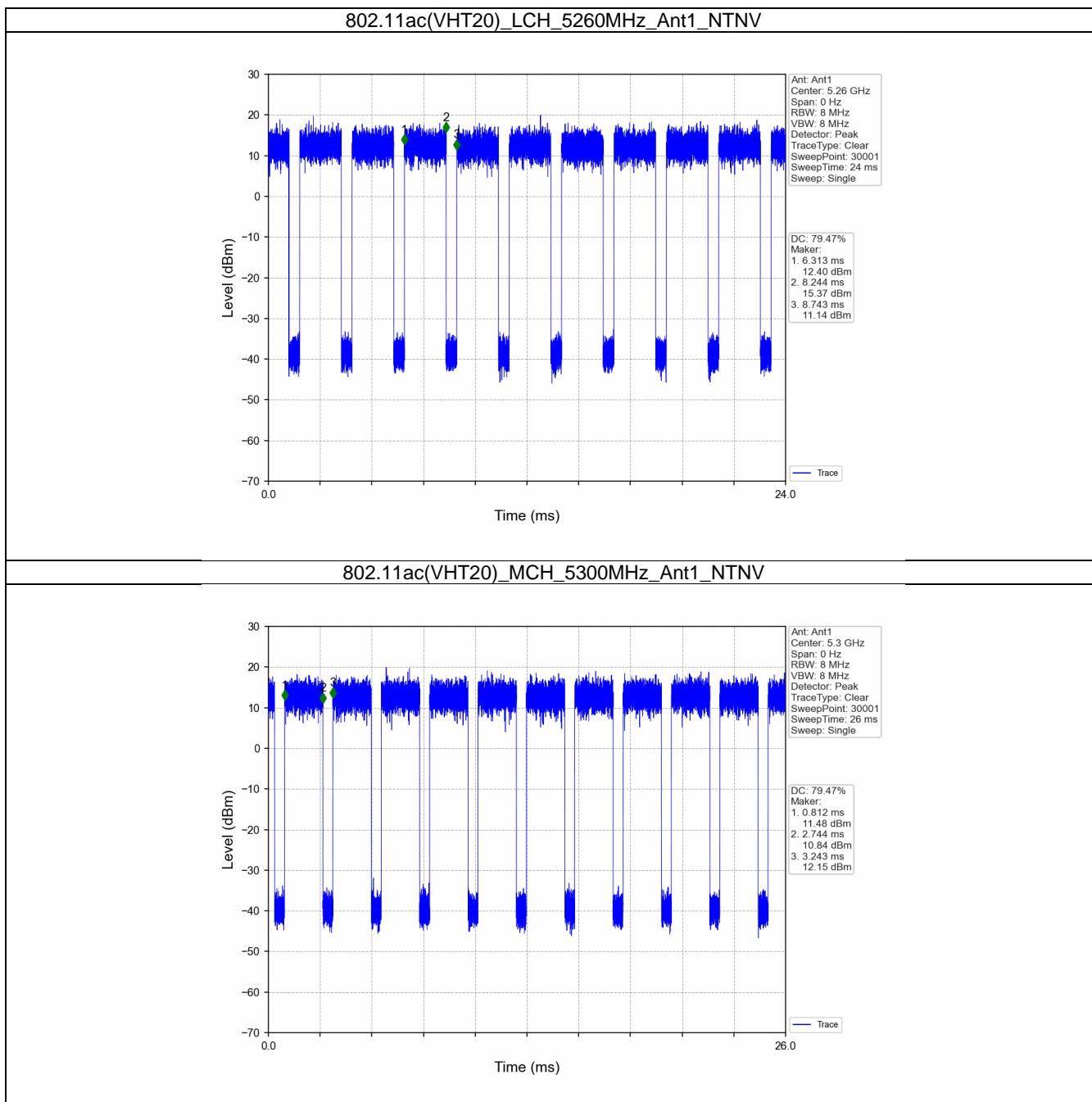
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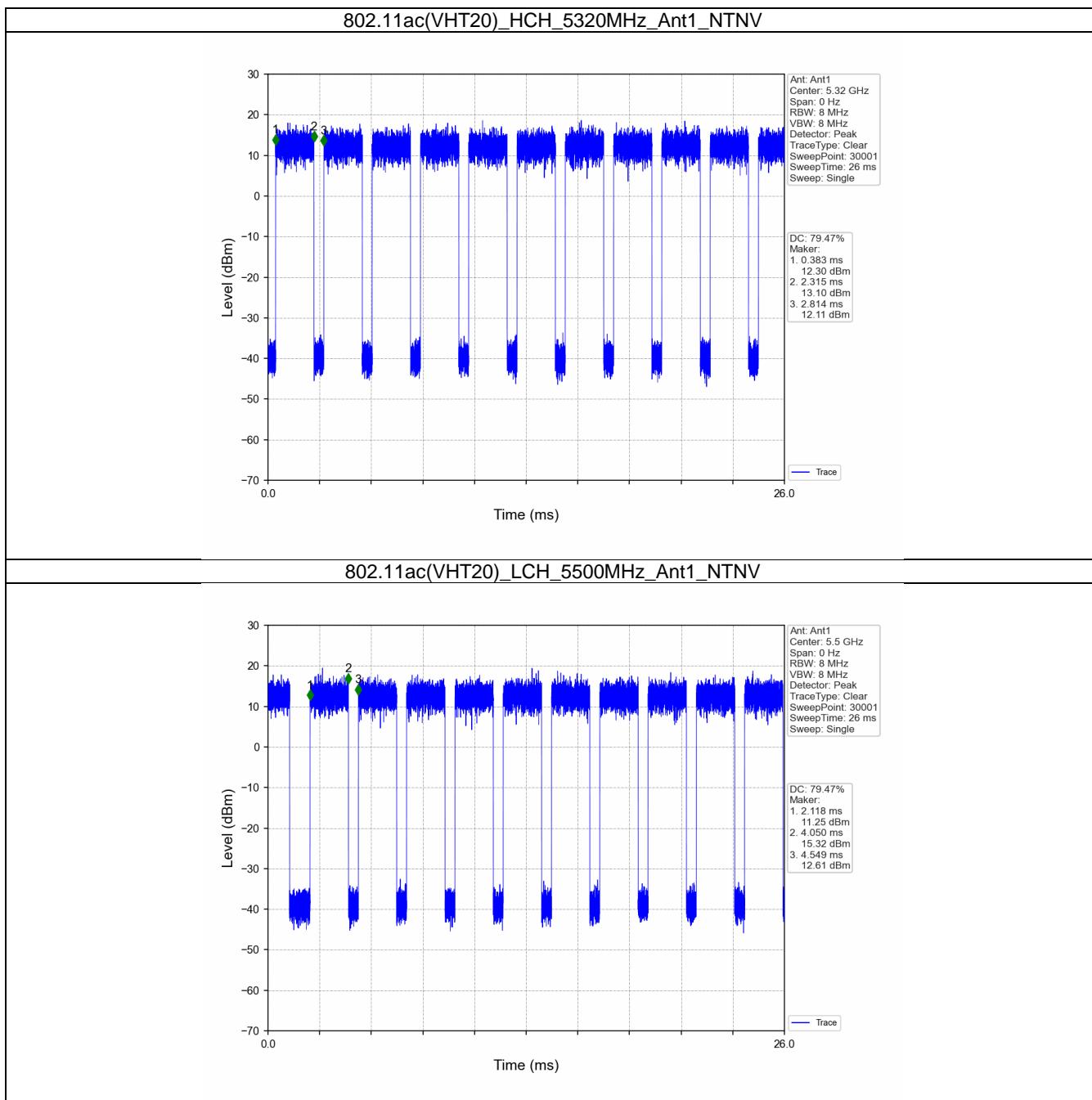
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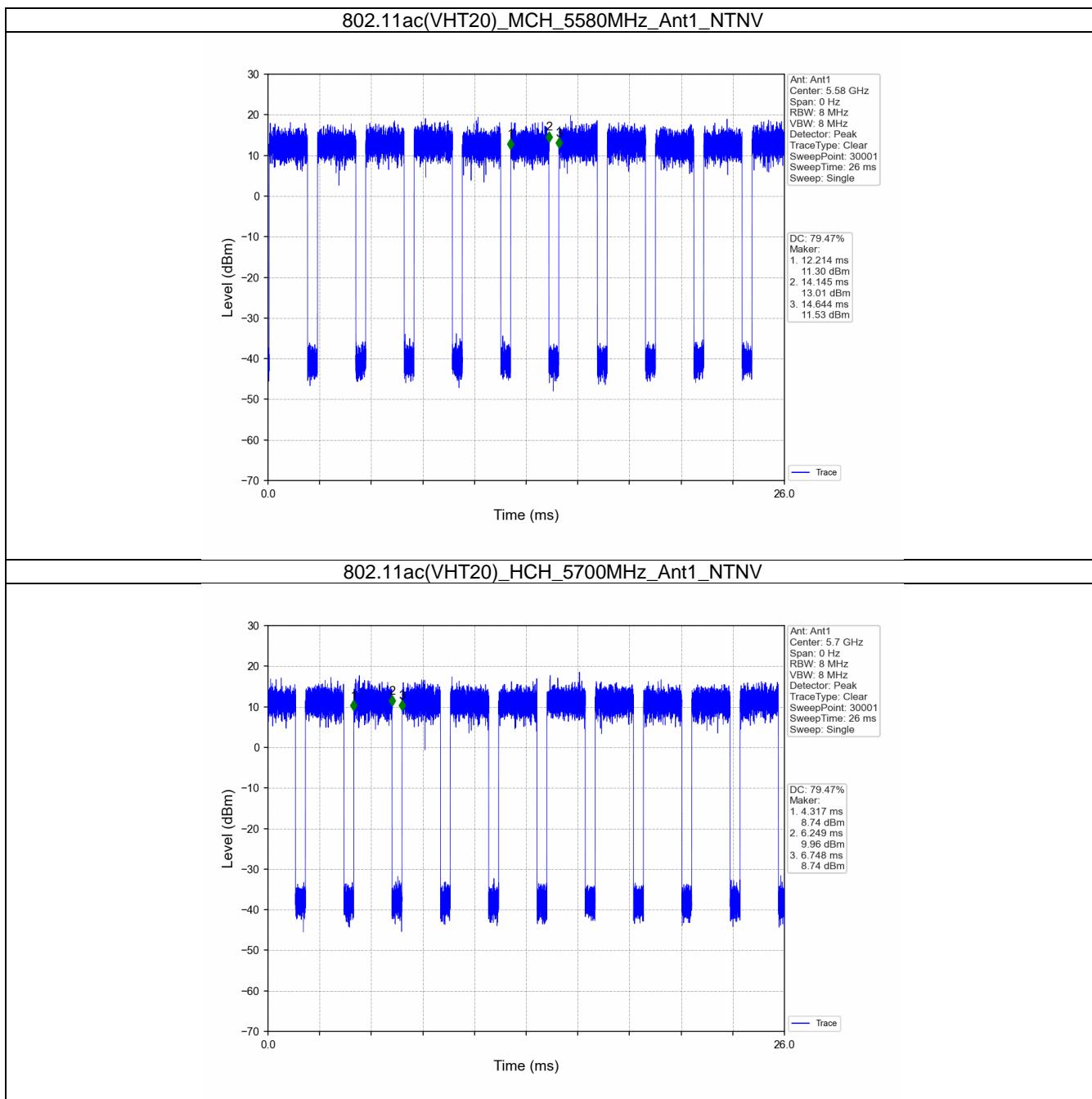
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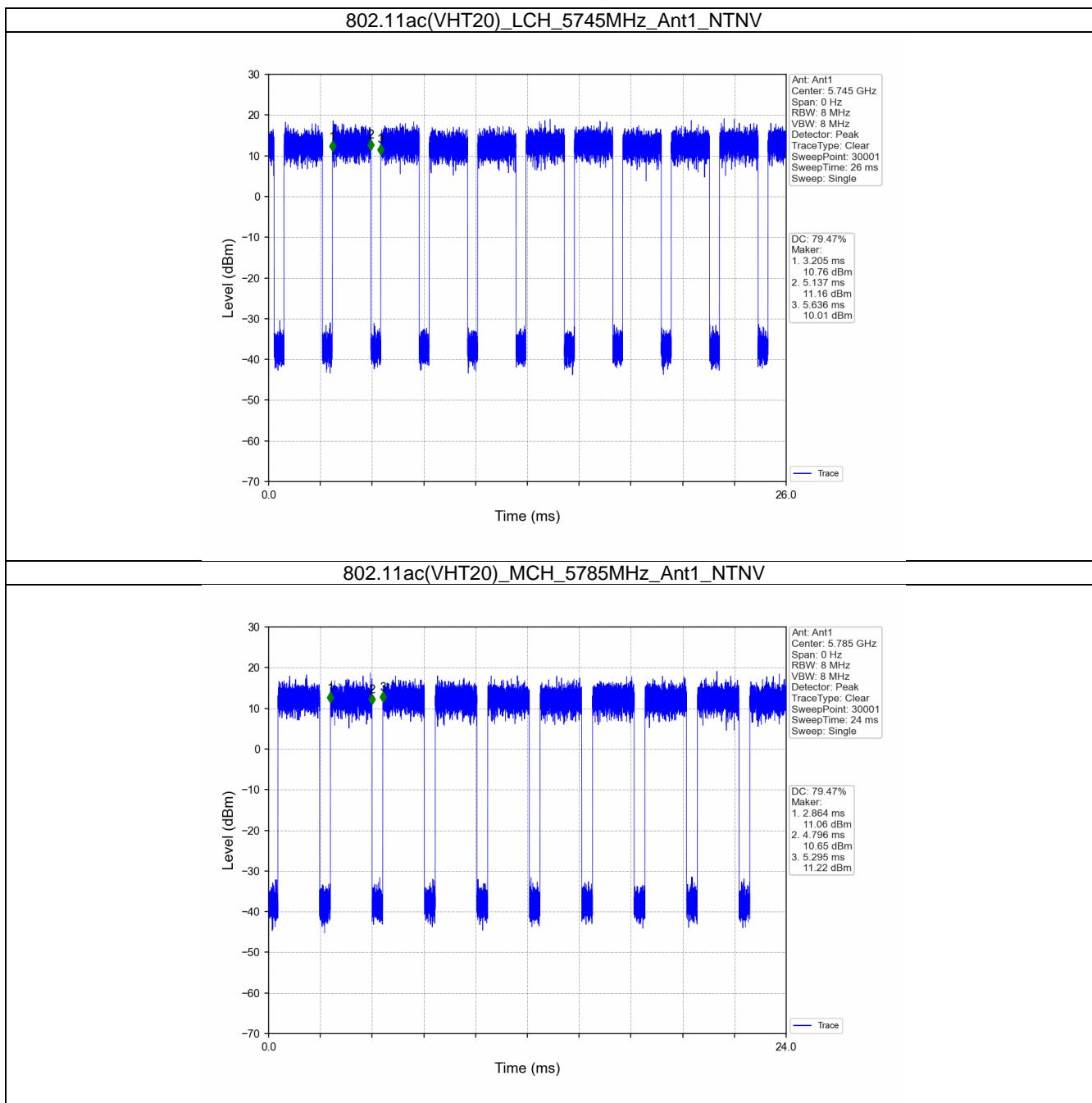
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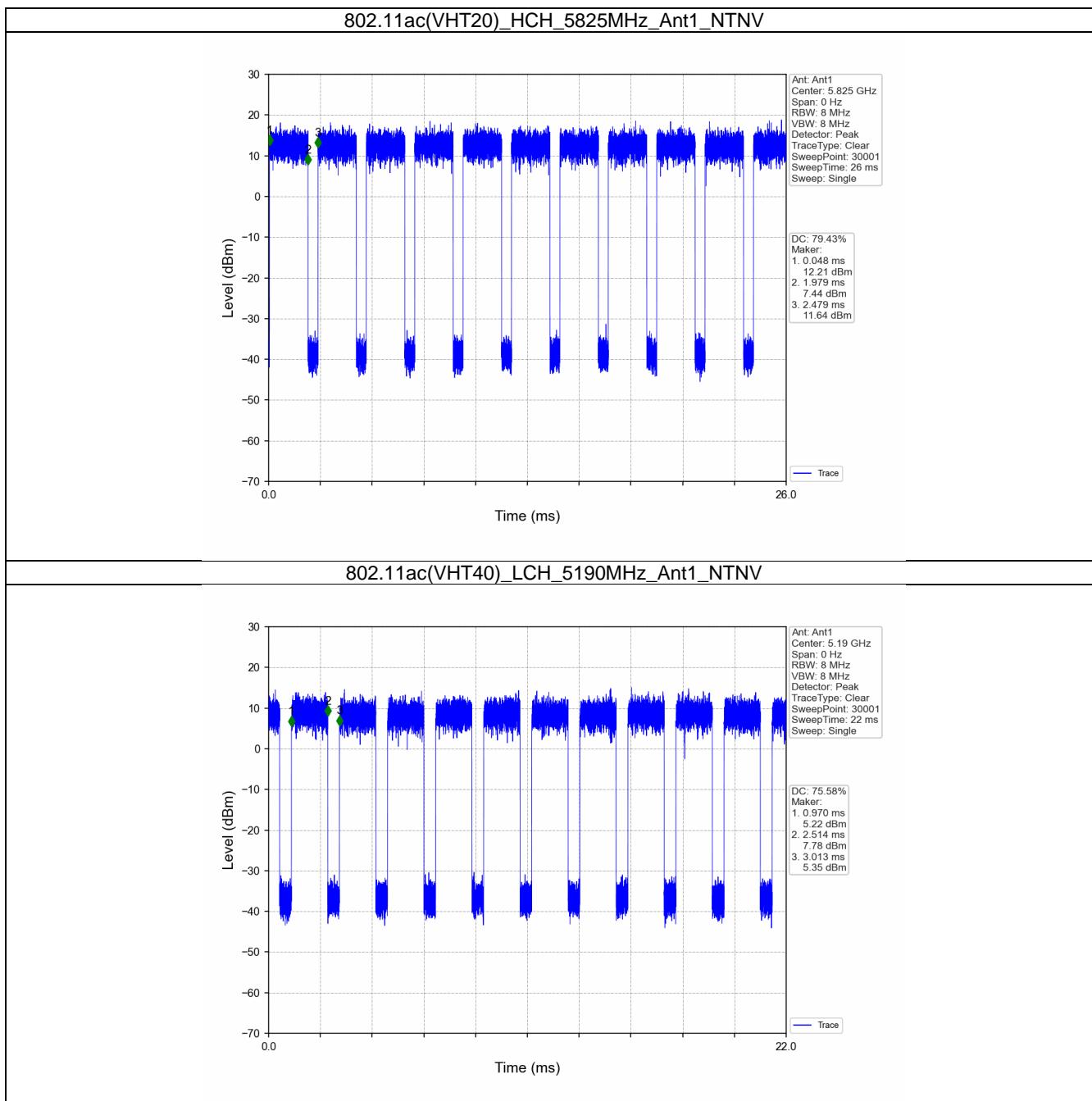
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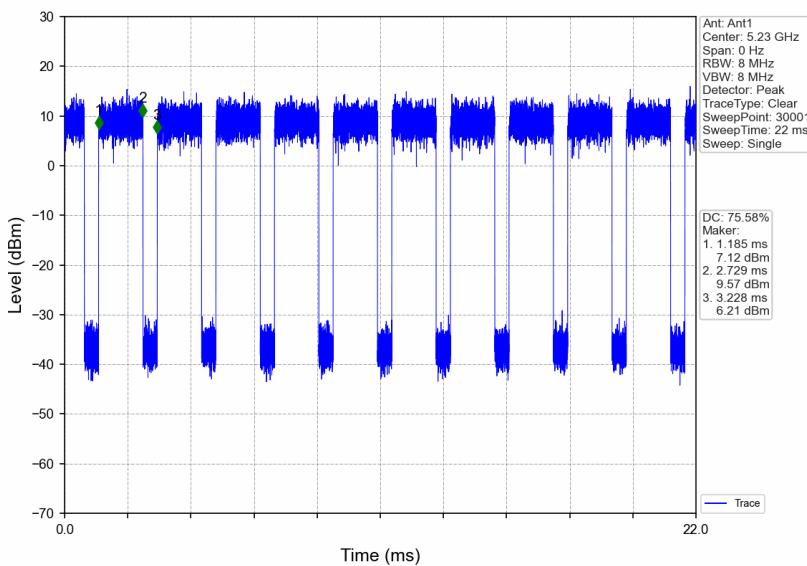
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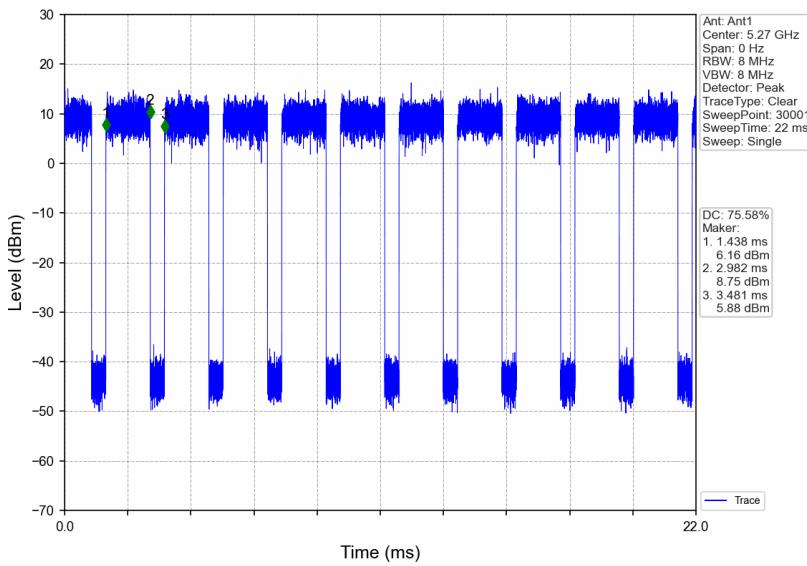
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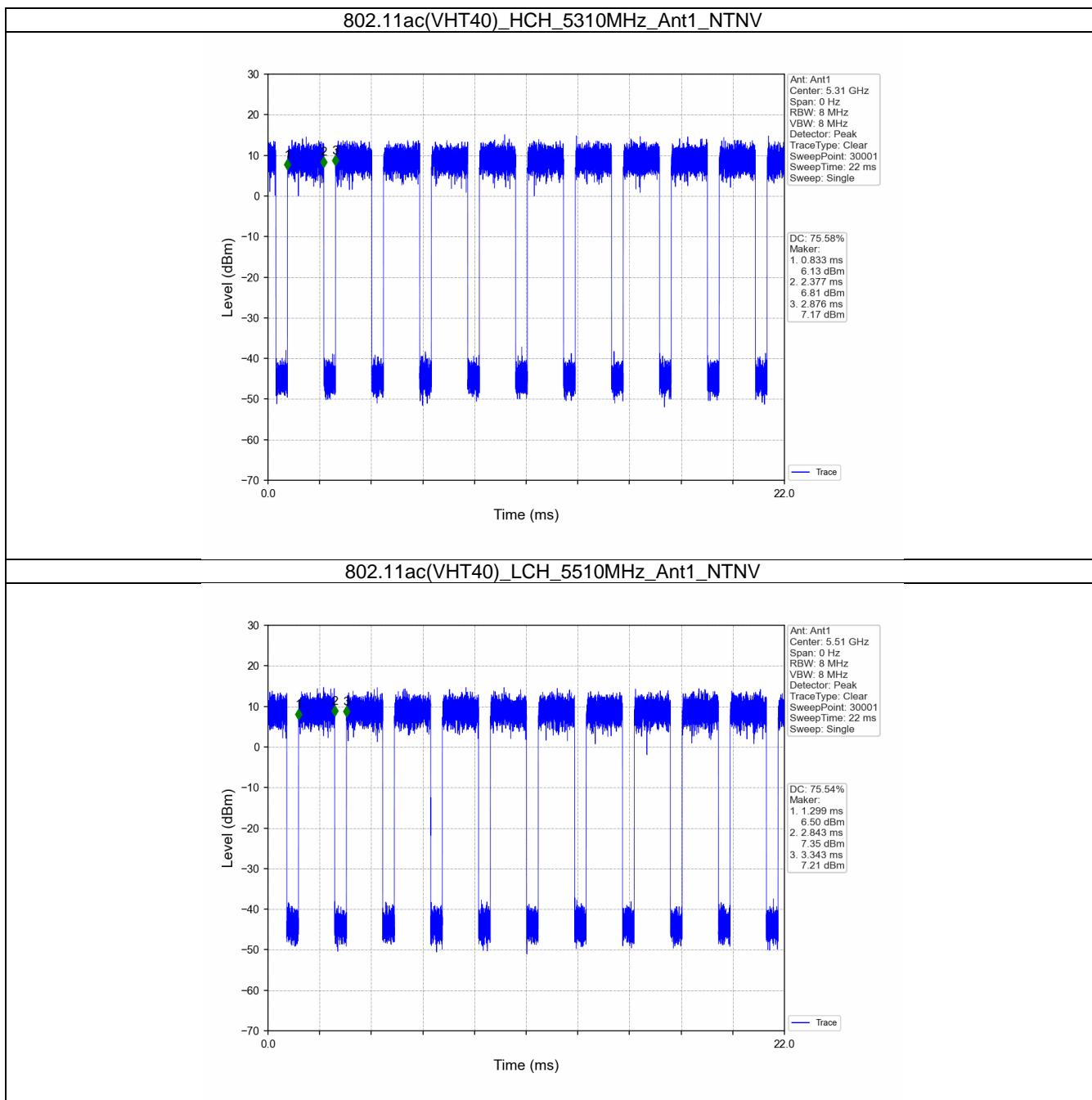
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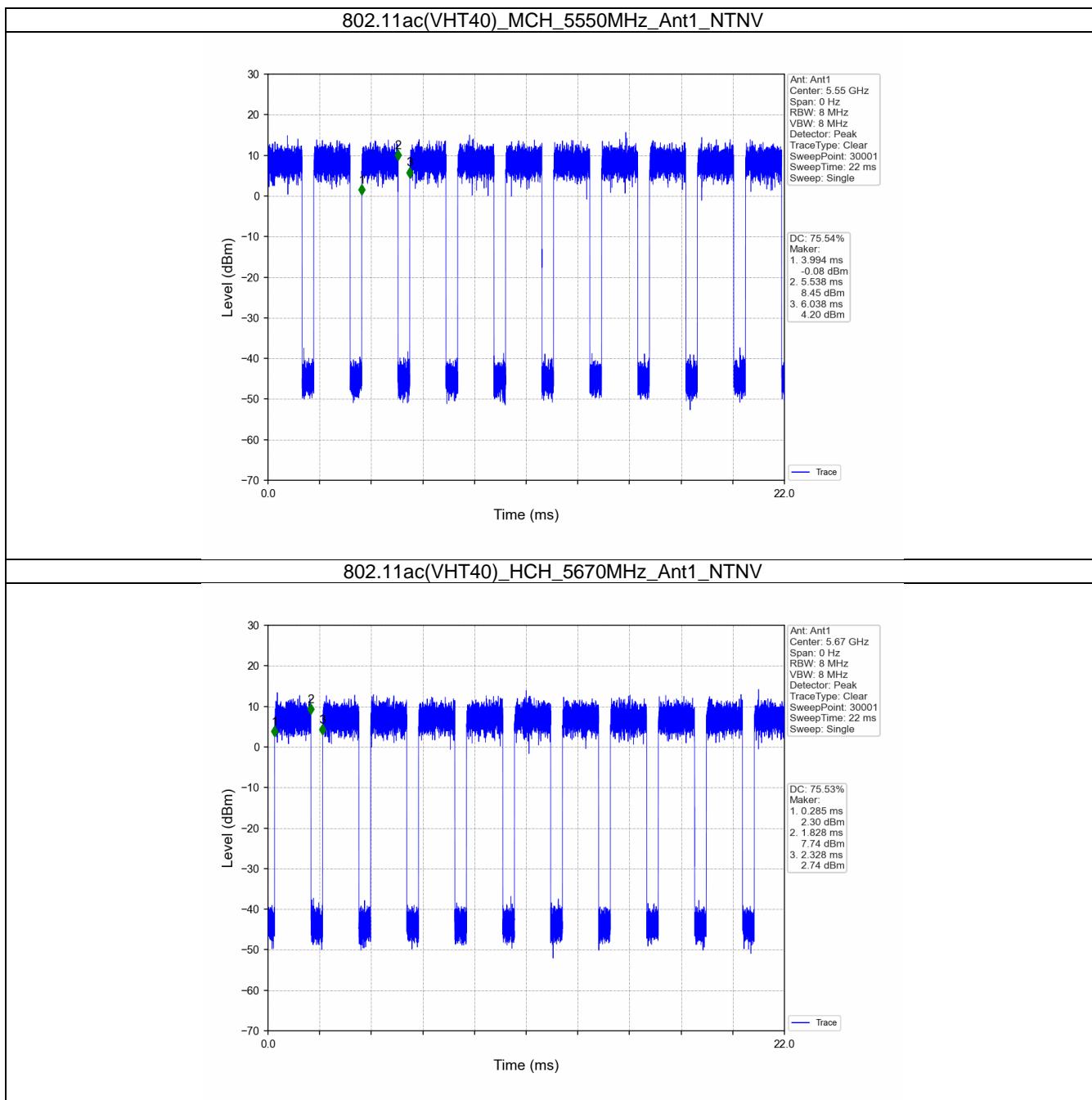
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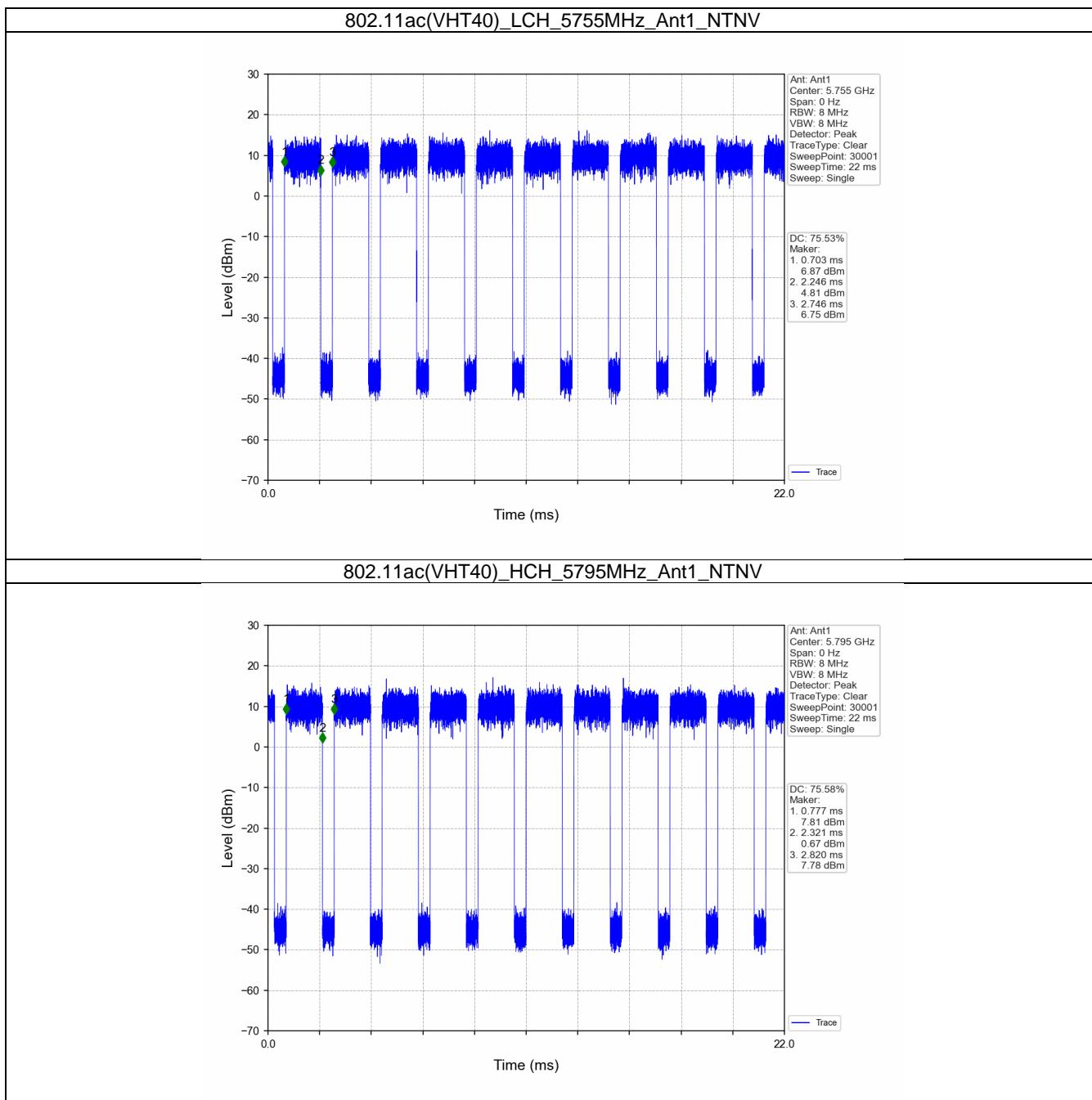
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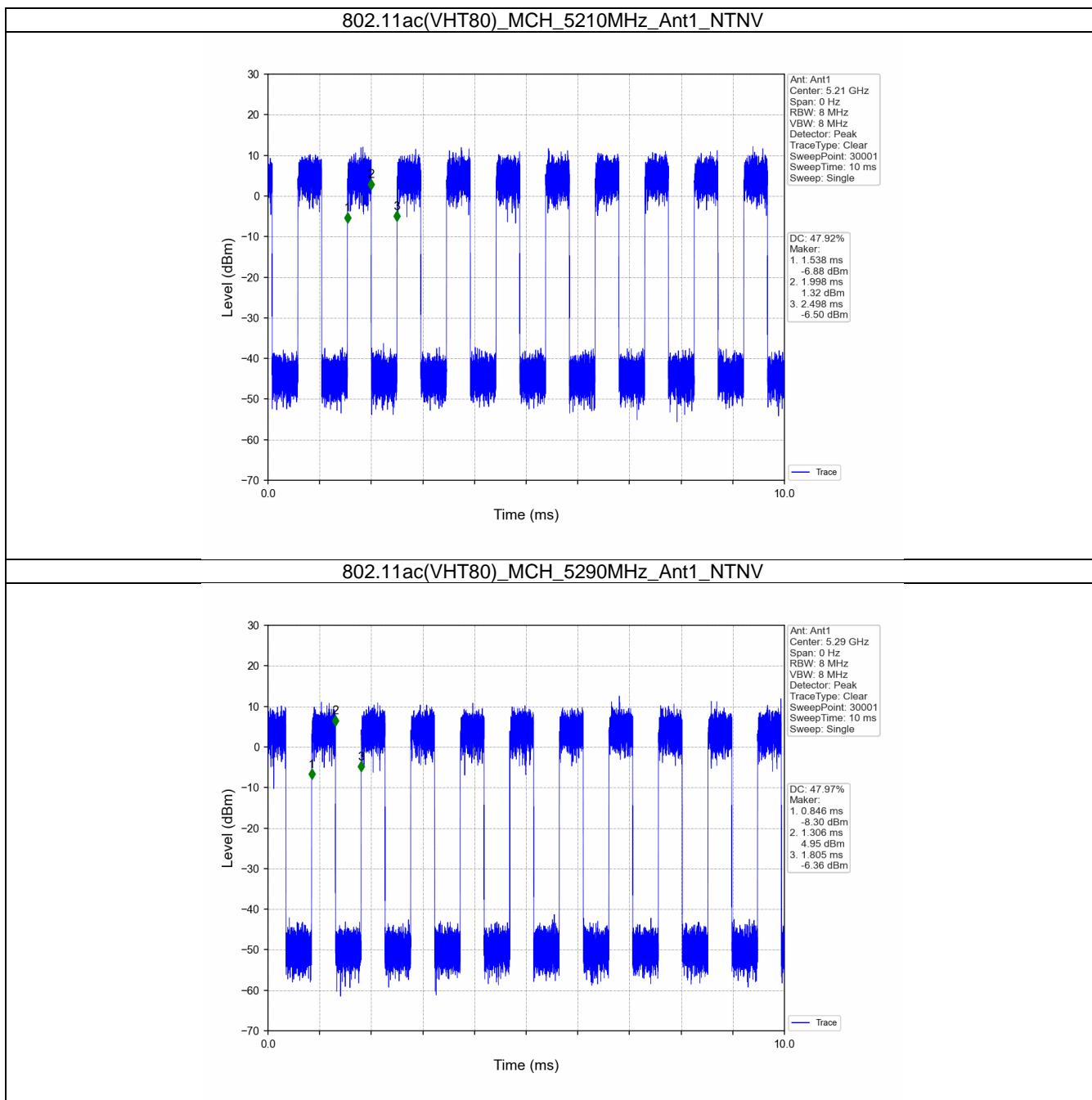
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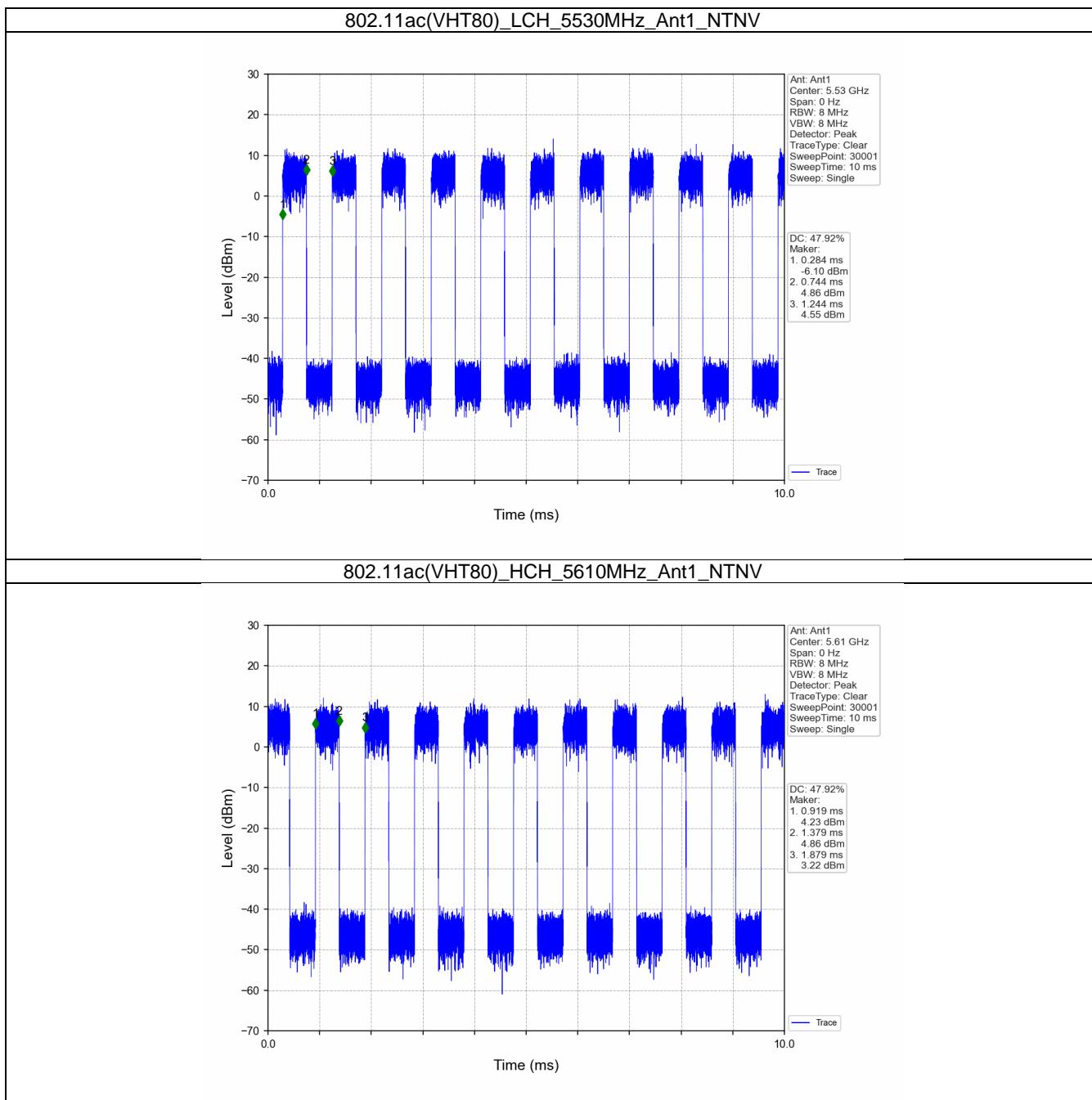
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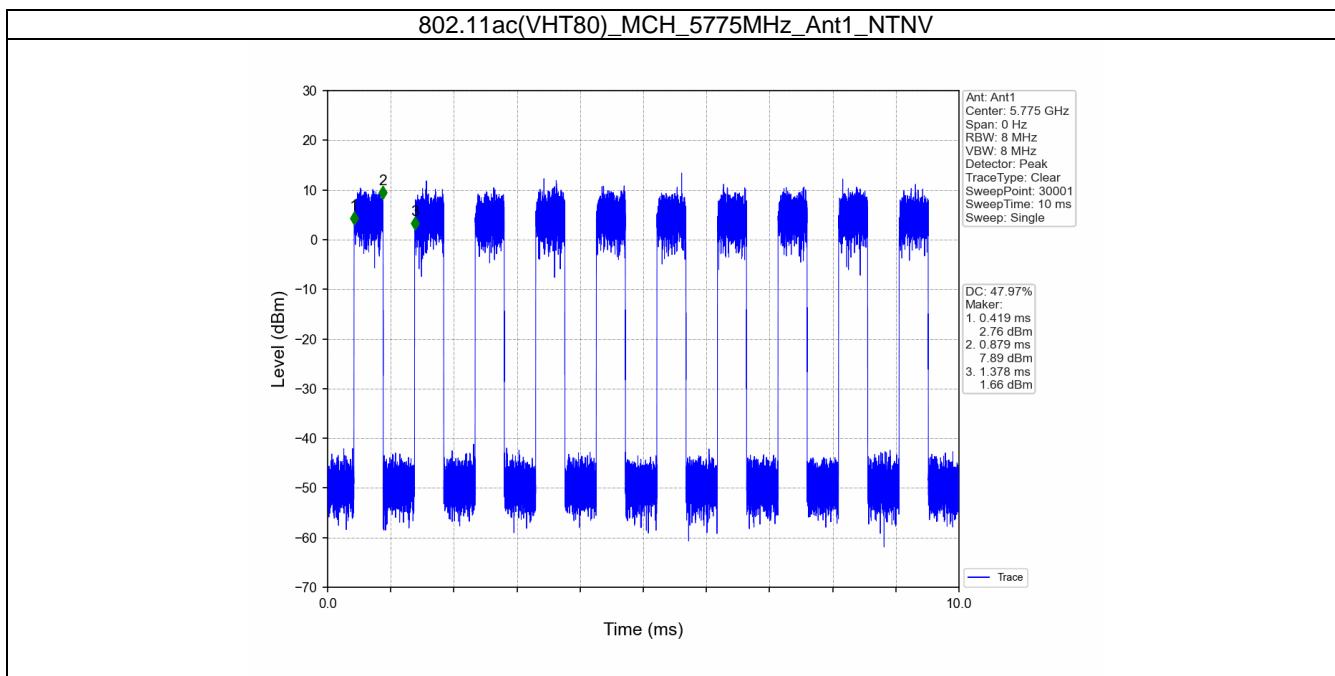
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2. Bandwidth

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	17.791		Pass
			2	17.816		Pass
		5200	1	17.857		Pass
			2	17.985		Pass
		5240	1	17.938		Pass
			2	18.061		Pass
		5260	1	17.986		Pass
			2	17.882		Pass
		5300	1	17.940		Pass
			2	17.973		Pass
		5320	1	17.979		Pass
			2	18.042		Pass
		5500	1	17.828		Pass
			2	18.054		Pass
		5580	1	17.976		Pass
			2	17.996		Pass
		5700	1	17.909		Pass
			2	18.134		Pass
		5745	1	18.639		Pass
			2	18.359		Pass
		5785	1	18.391		Pass
			2	17.907		Pass
		5825	1	18.537		Pass
			2	17.954		Pass
802.11n (HT20)	MIMO	5180	1	18.632		Pass
			2	18.615		Pass
		5200	1	18.609		Pass
			2	18.670		Pass
		5240	1	18.722		Pass
			2	18.664		Pass
		5260	1	18.662		Pass
			2	18.833		Pass
		5300	1	18.733		Pass
			2	18.757		Pass
		5320	1	18.634		Pass
			2	18.755		Pass
		5500	1	18.644		Pass
			2	18.881		Pass
		5580	1	18.592		Pass
			2	18.686		Pass
		5700	1	18.725		Pass
			2	18.701		Pass
		5745	1	18.762		Pass
			2	18.574		Pass
		5785	1	18.691		Pass
			2	18.569		Pass

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		5825	1	18.574	Pass
			2	18.554	Pass
802.11n (HT40)	MIMO	5190	1	36.713	Pass
		5190	2	36.735	Pass
		5230	1	36.792	Pass
		5230	2	36.876	Pass
		5270	1	36.835	Pass
		5270	2	36.866	Pass
		5310	1	36.855	Pass
		5310	2	36.816	Pass
		5510	1	36.798	Pass
		5510	2	36.757	Pass
		5550	1	36.855	Pass
		5550	2	36.740	Pass
		5670	1	36.763	Pass
		5670	2	36.711	Pass
802.11ac (VHT20)	MIMO	5755	1	36.959	Pass
		5755	2	37.217	Pass
		5795	1	36.904	Pass
		5795	2	36.848	Pass
		5180	1	18.595	Pass
		5180	2	18.716	Pass
		5200	1	18.641	Pass
		5200	2	18.796	Pass
		5240	1	18.894	Pass
		5240	2	18.672	Pass
		5260	1	18.807	Pass
		5260	2	18.614	Pass
		5300	1	18.745	Pass
		5300	2	18.705	Pass
802.11ac (VHT40)	MIMO	5320	1	18.729	Pass
		5320	2	18.627	Pass
		5500	1	18.814	Pass
		5500	2	18.709	Pass
		5580	1	18.641	Pass
		5580	2	18.894	Pass
		5700	1	18.624	Pass
		5700	2	18.596	Pass
		5745	1	18.663	Pass
		5745	2	18.684	Pass
		5785	1	18.732	Pass
		5785	2	18.537	Pass
		5825	1	18.690	Pass
		5825	2	18.562	Pass

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			2	36.674	Pass
5670		1		36.726	Pass
		2		36.702	Pass
5755		1		36.969	Pass
		2		36.988	Pass
5795		1		36.984	Pass
		2		36.907	Pass
802.11ac (VHT80)	MIMO	5210	1	76.600	Pass
		5210	2	76.710	Pass
		5290	1	76.546	Pass
		5290	2	76.462	Pass
		5530	1	76.539	Pass
		5530	2	76.374	Pass
		5610	1	76.629	Pass
		5610	2	76.540	Pass
		5775	1	76.571	Pass
		5775	2	76.551	Pass

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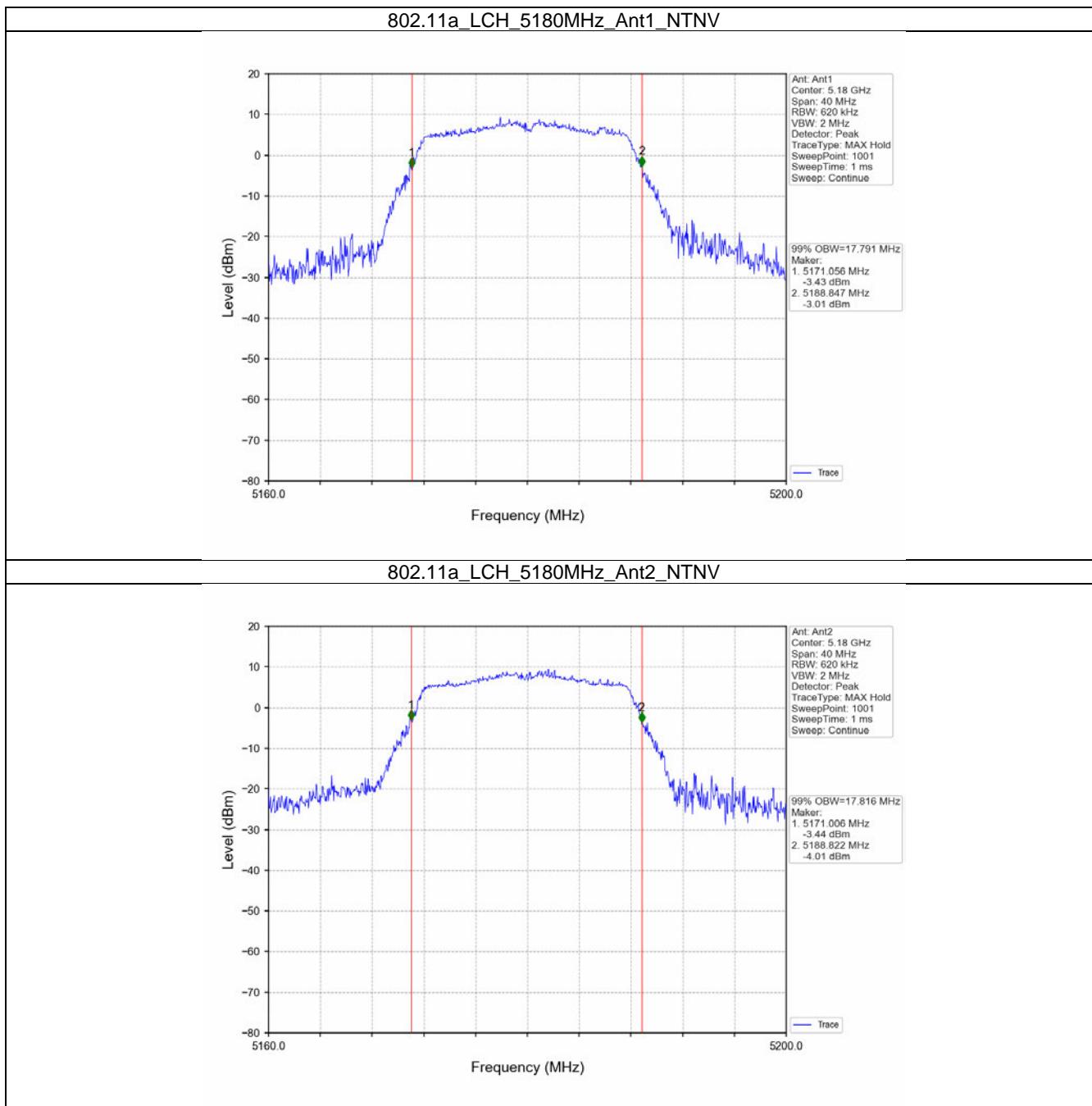
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2.1.2 Test Graph



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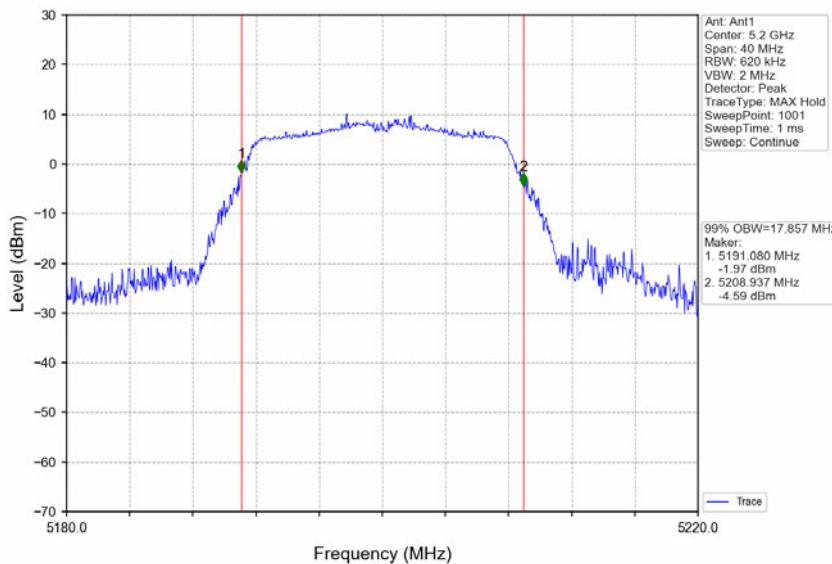
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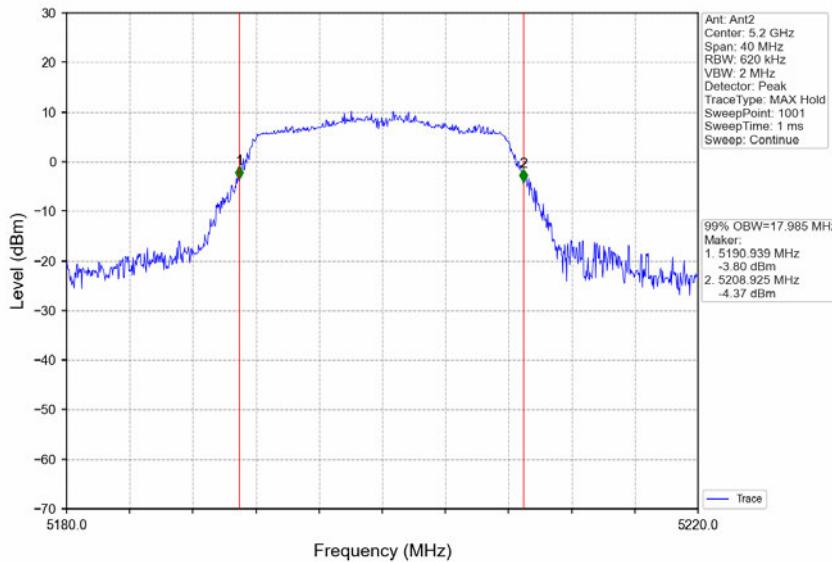
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802.11a_MCH_5200MHz_Ant1_NTNV



802.11a_MCH_5200MHz_Ant2_NTNV



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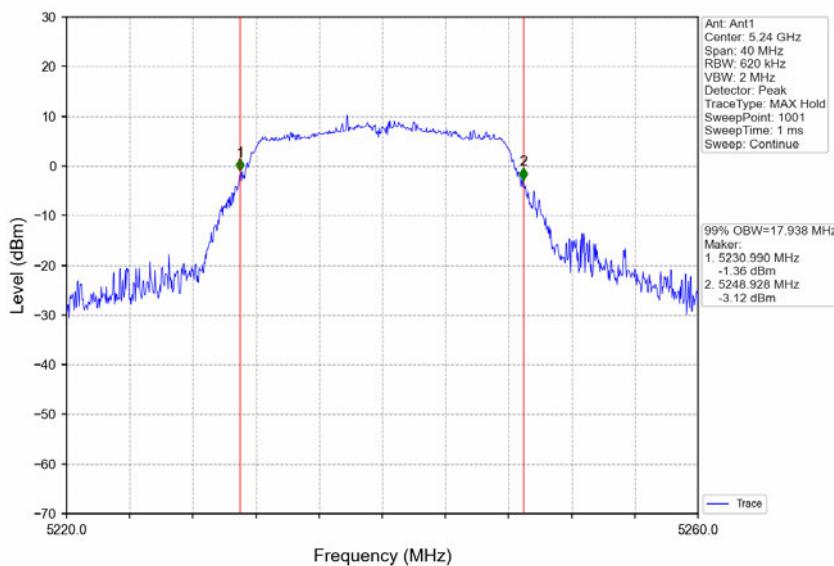
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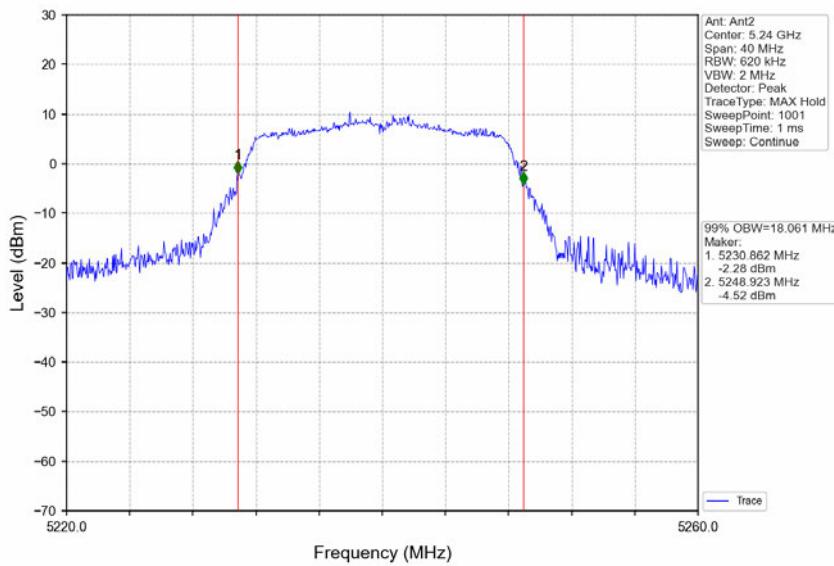
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802.11a_HCH_5240MHz_Ant1_NTNV



802.11a_HCH_5240MHz_Ant2_NTNV



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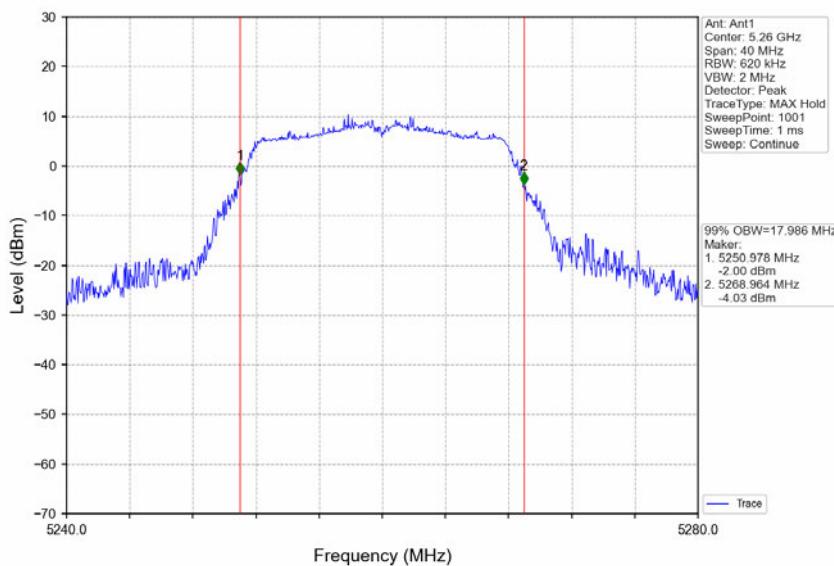
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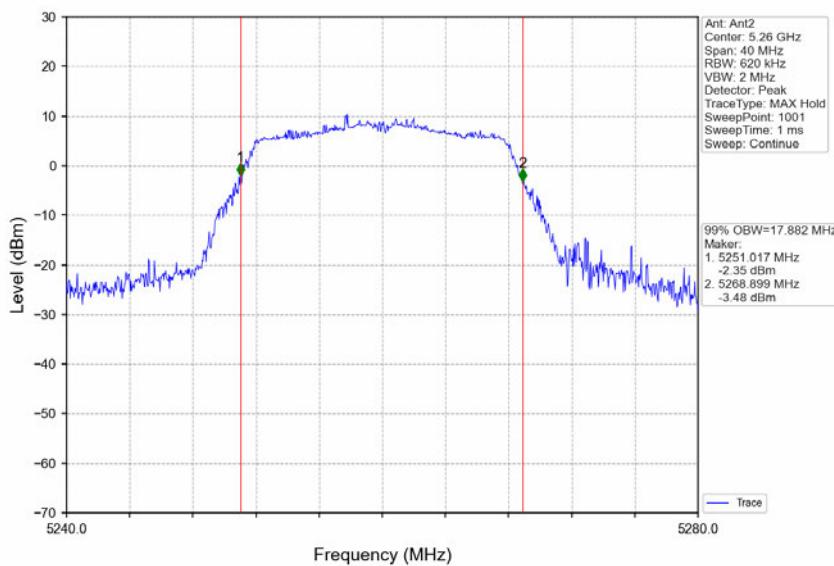
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802.11a_LCH_5260MHz_Ant1_NTNV



802.11a_LCH_5260MHz_Ant2_NTNV



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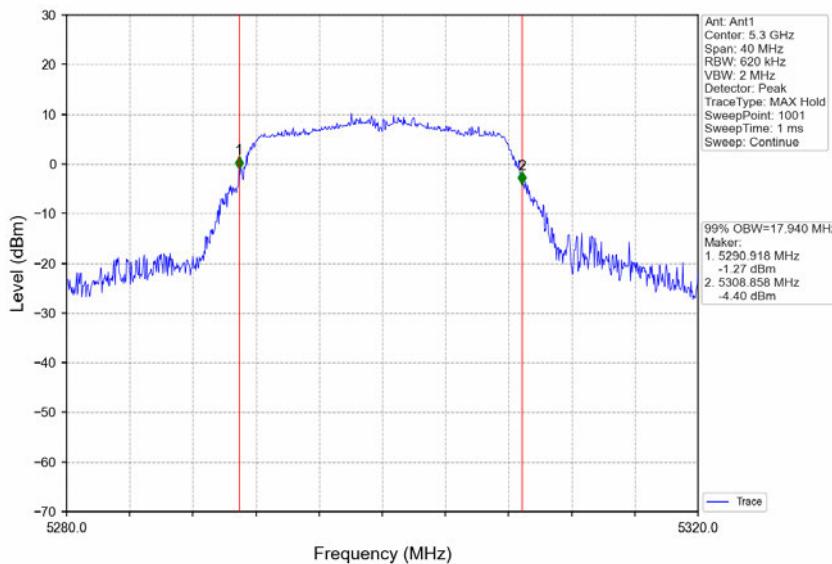
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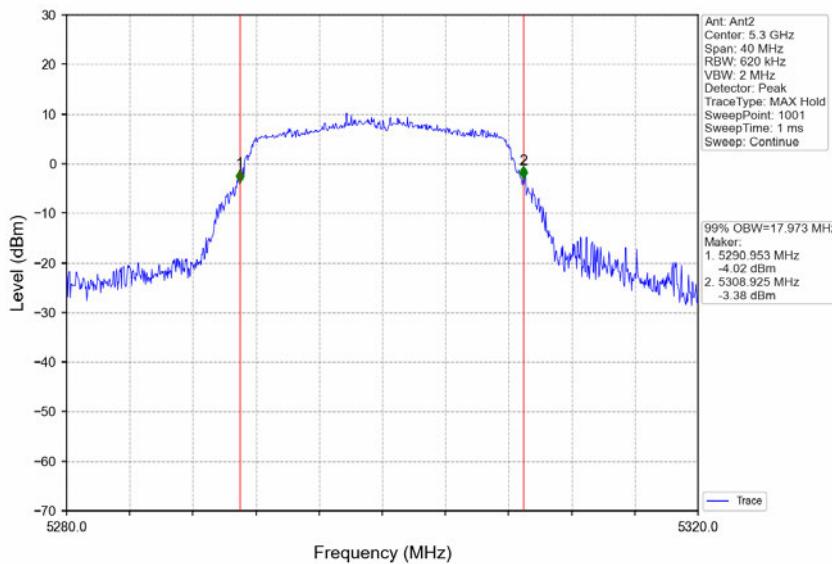
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802.11a_MCH_5300MHz_Ant2_NTNV



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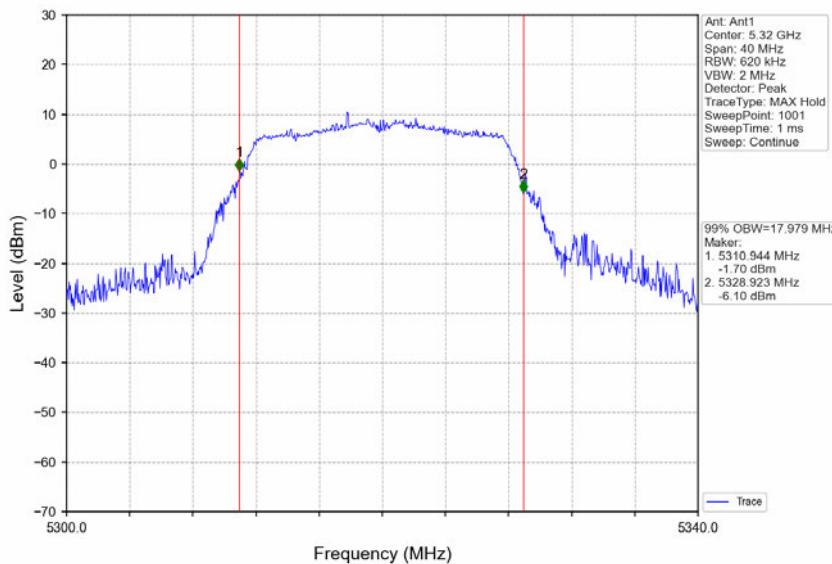
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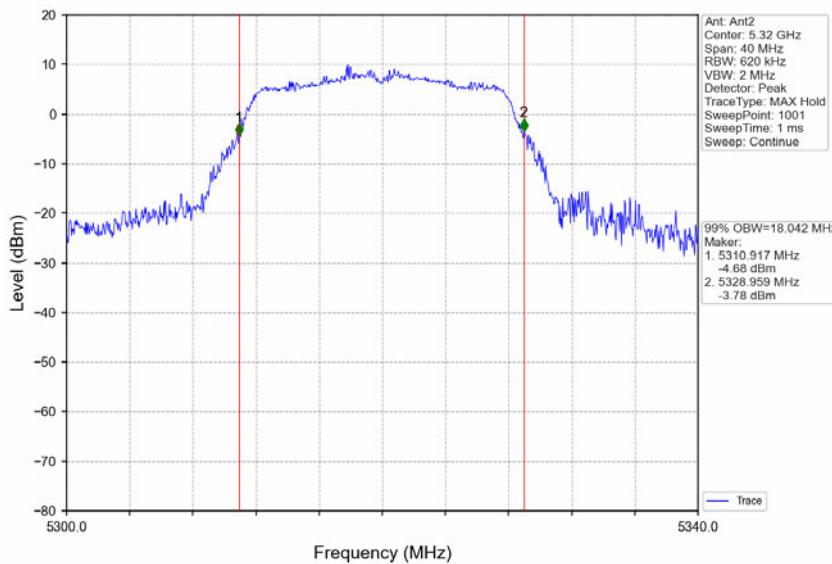
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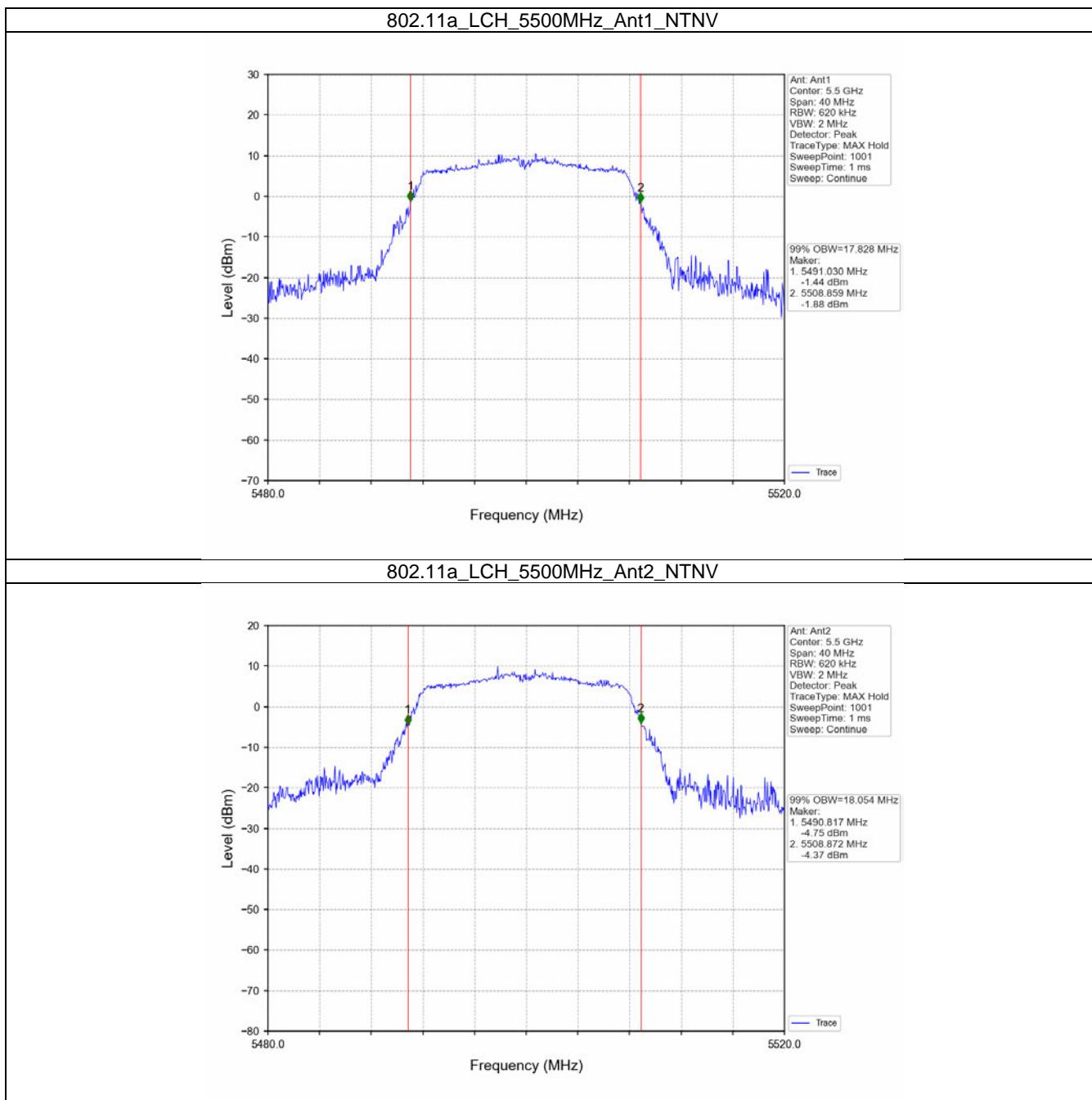
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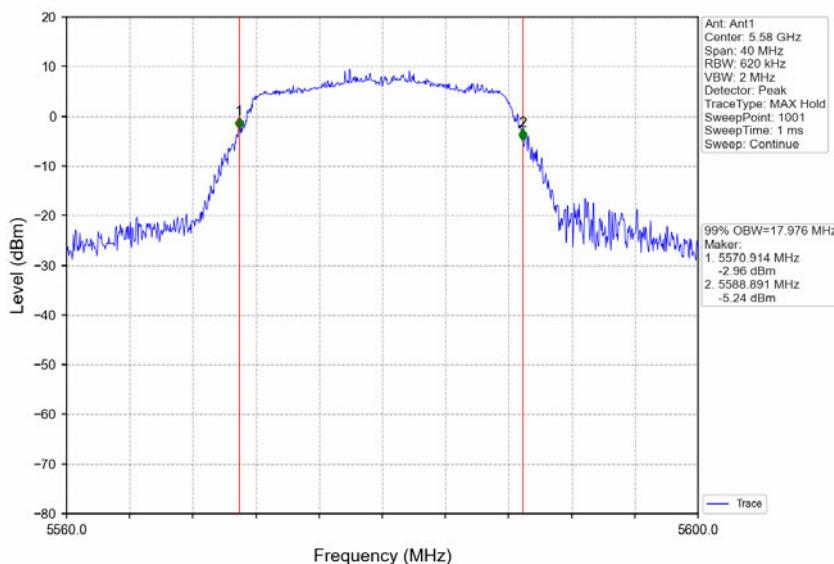
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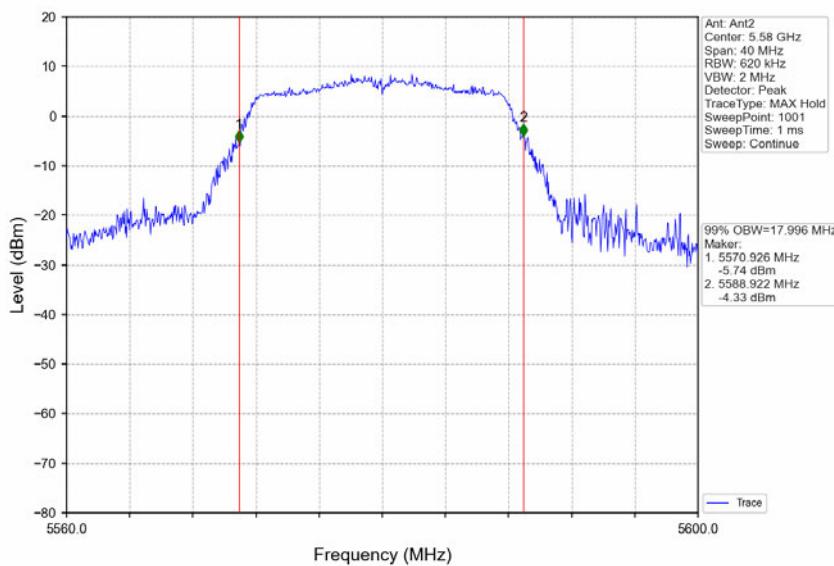
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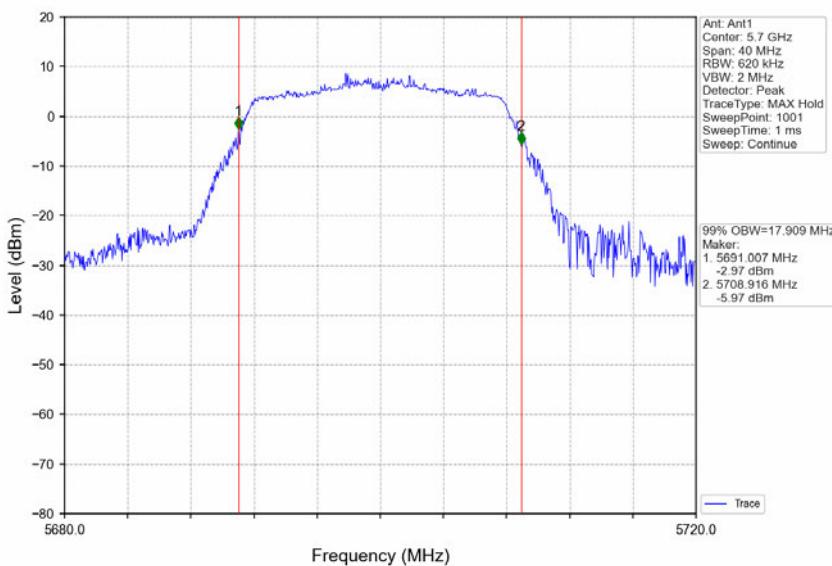
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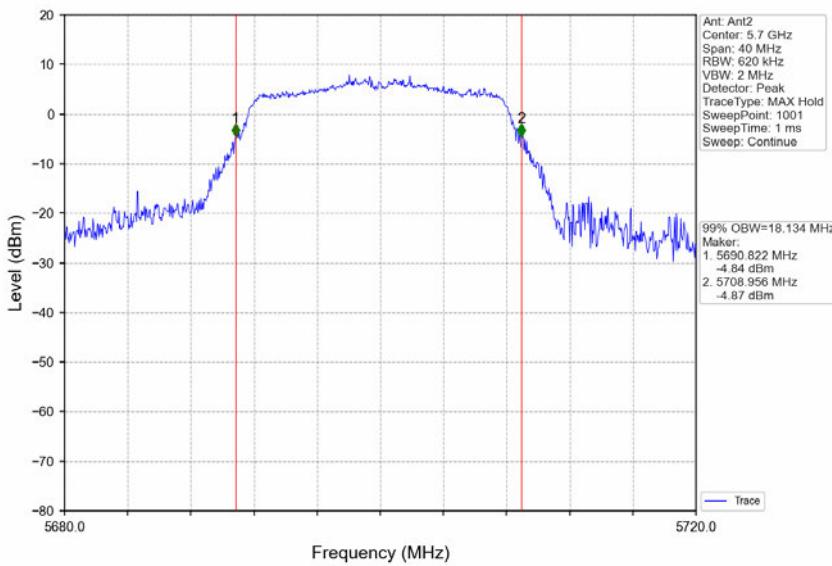
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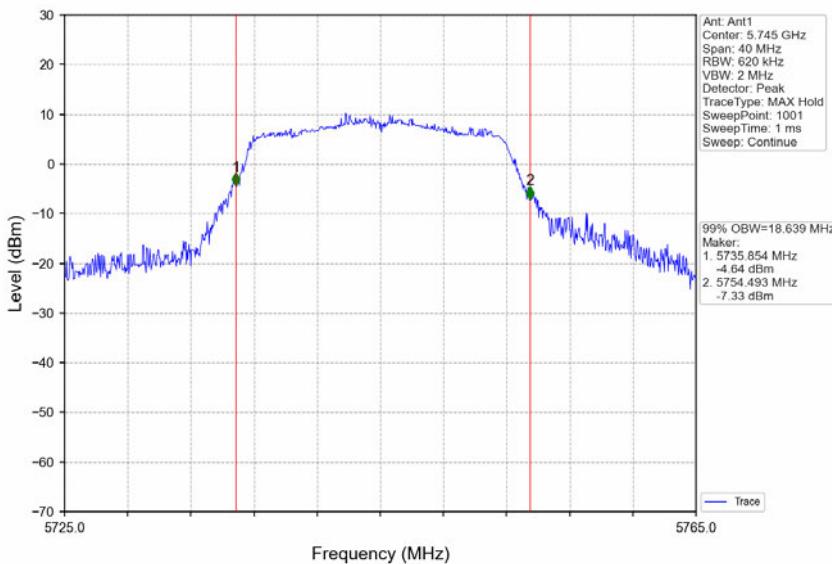
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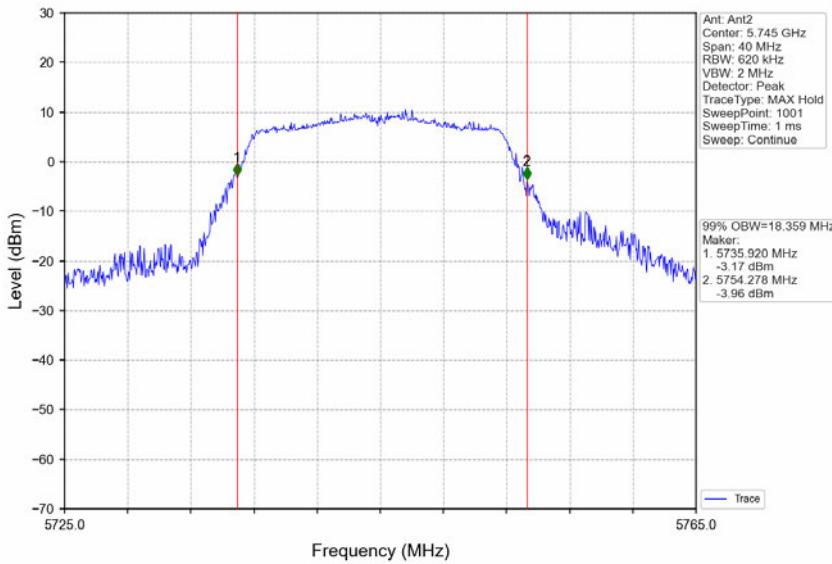
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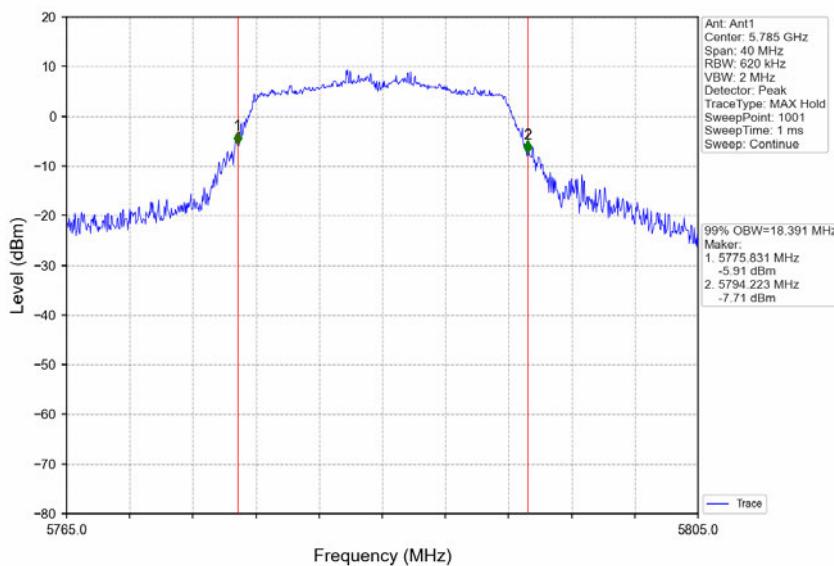


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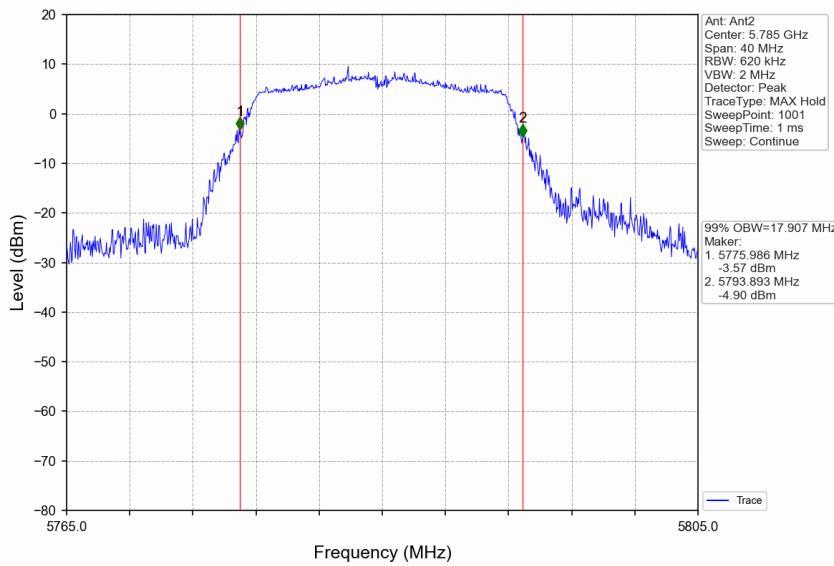
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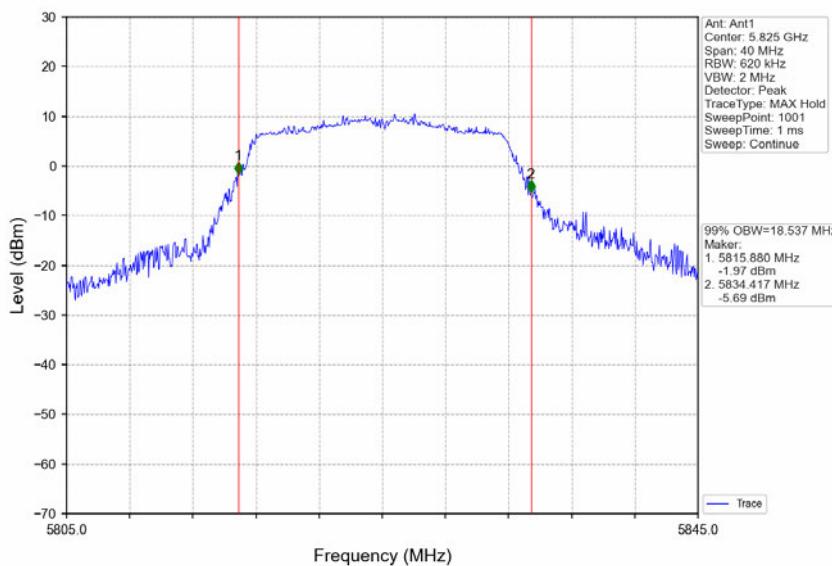
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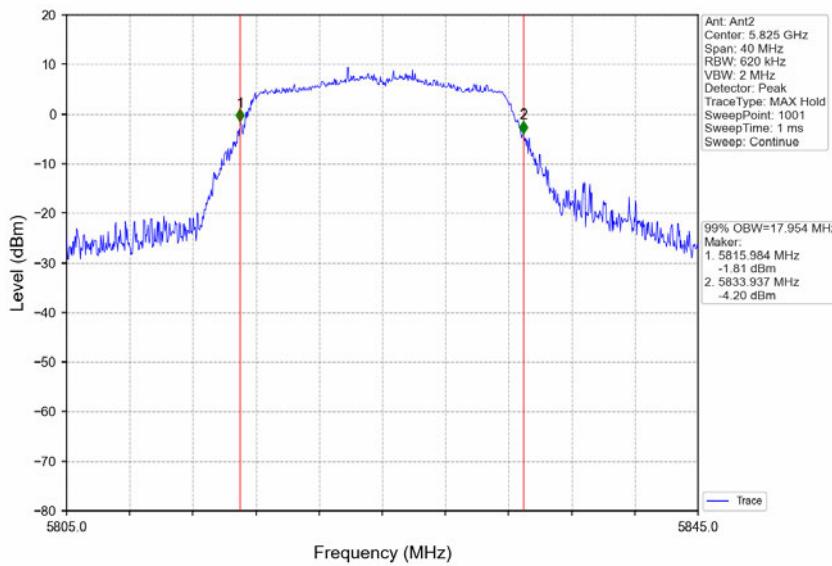
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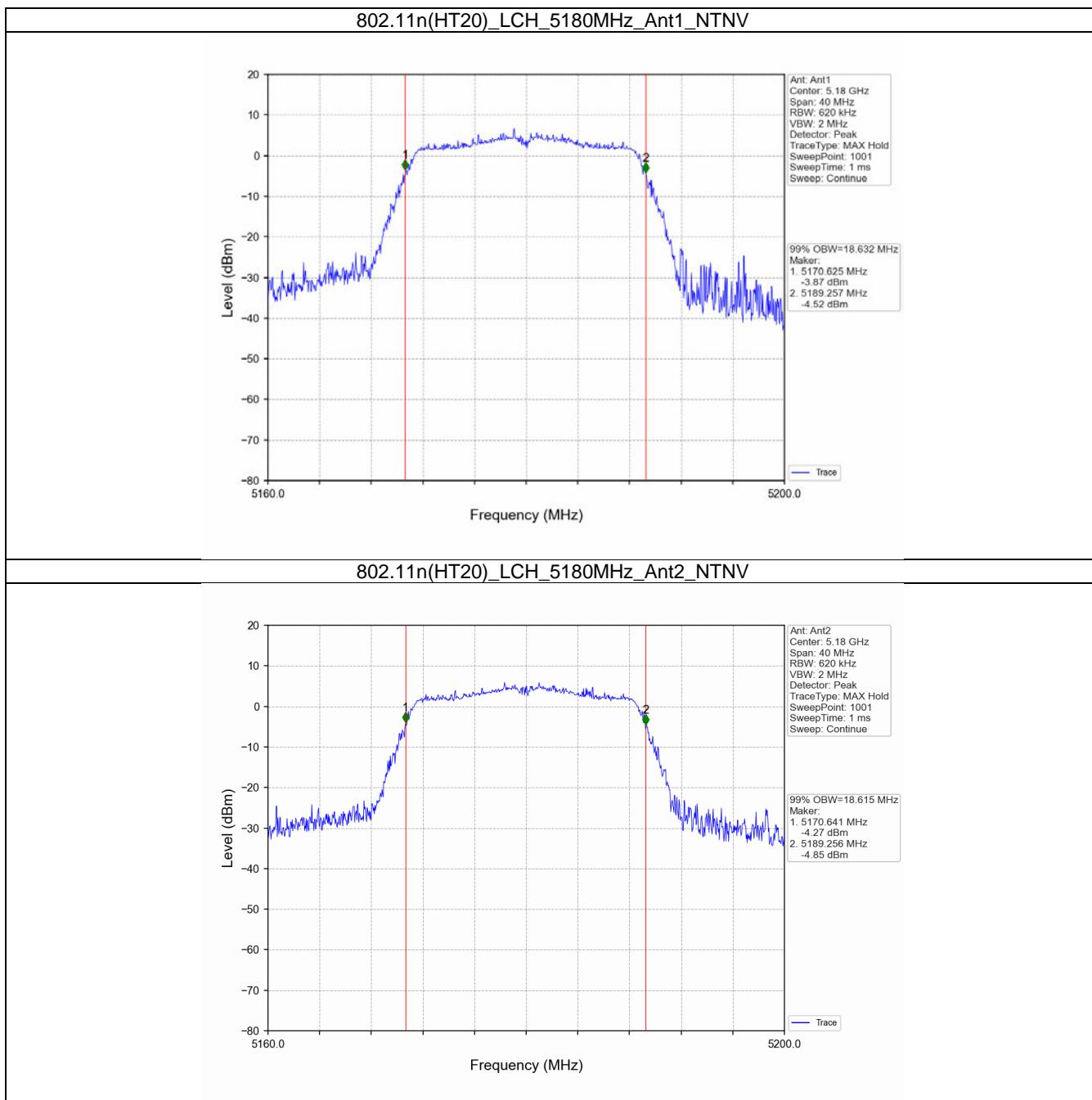
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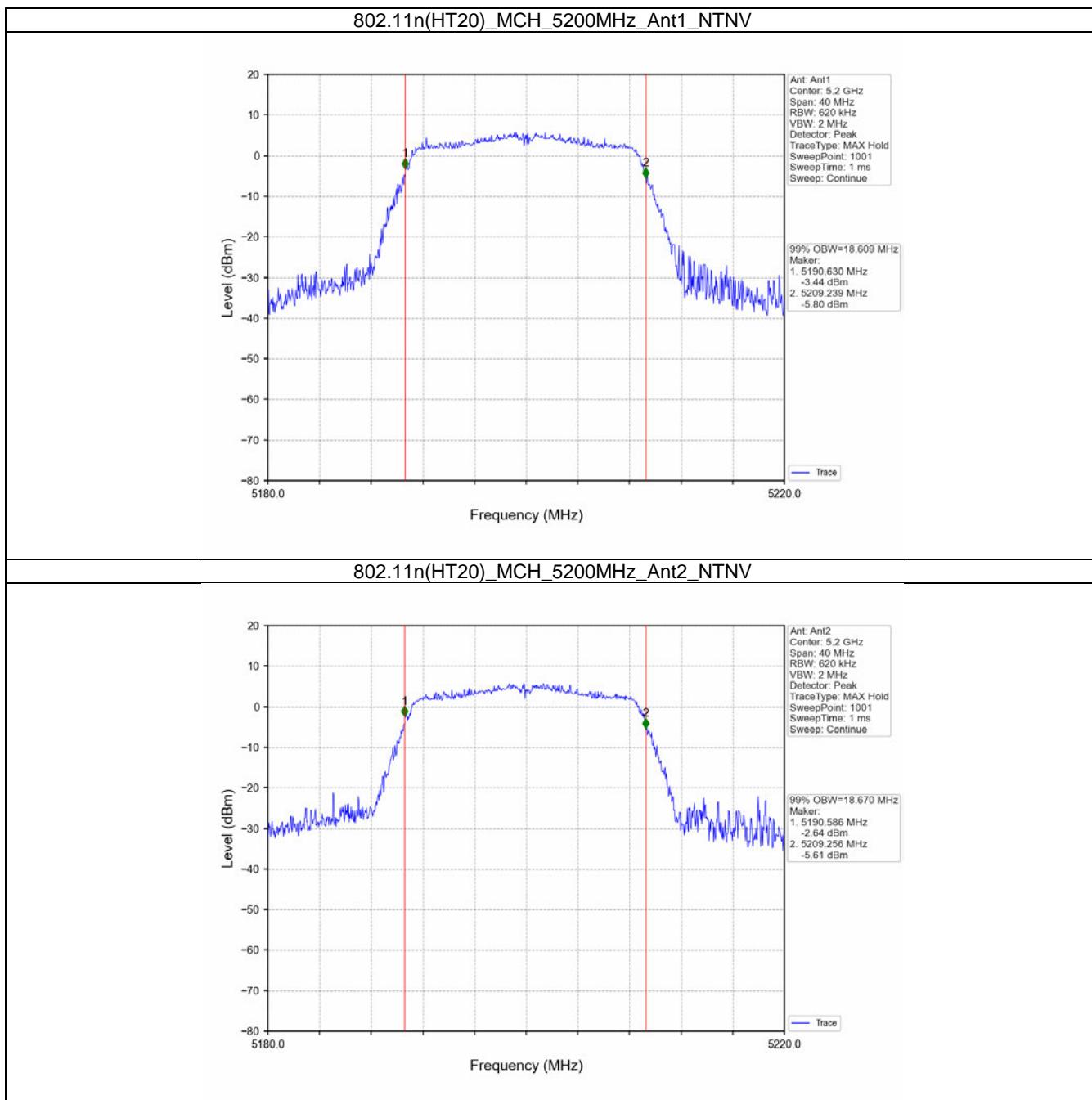
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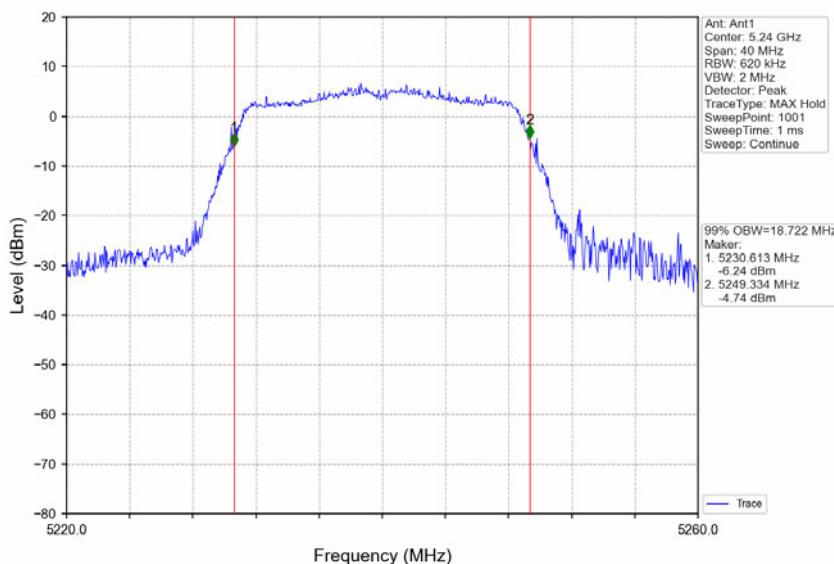
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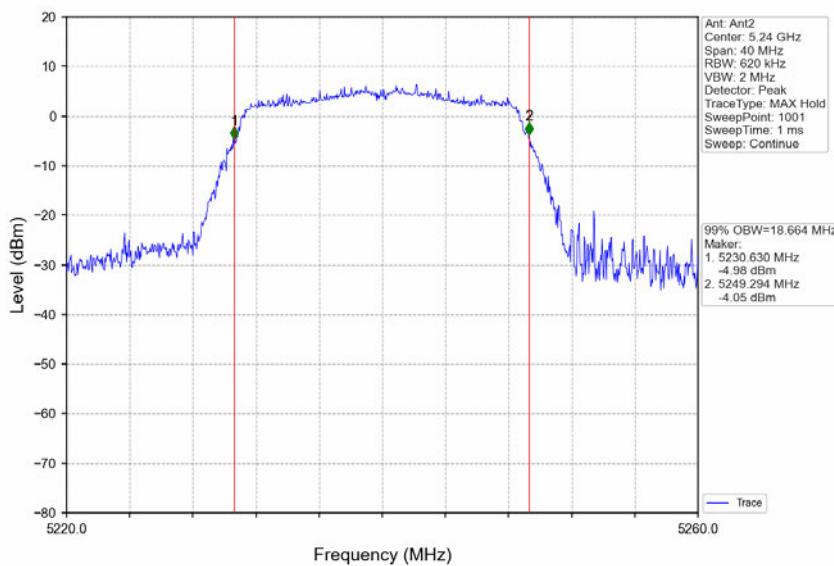
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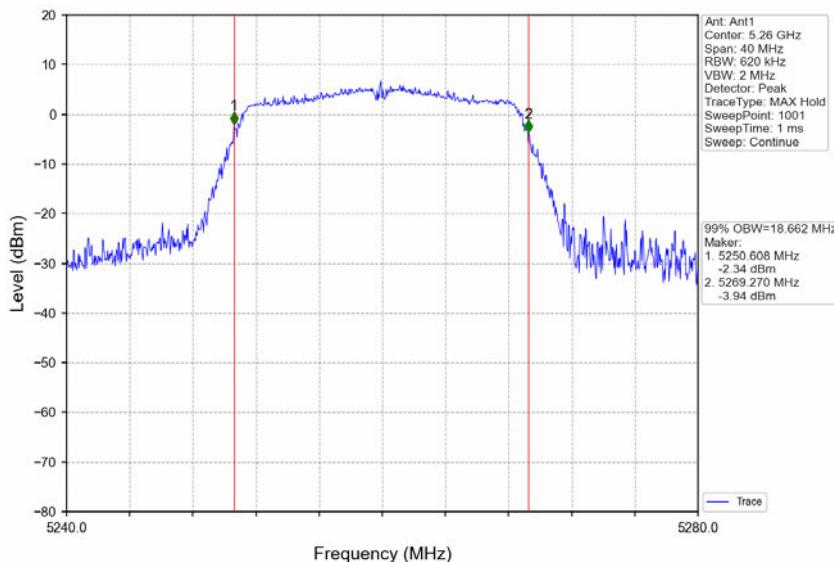
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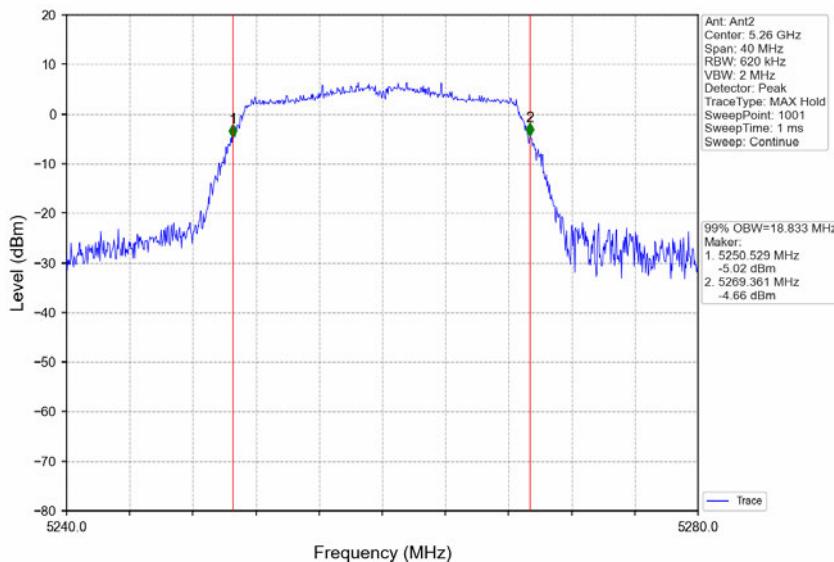
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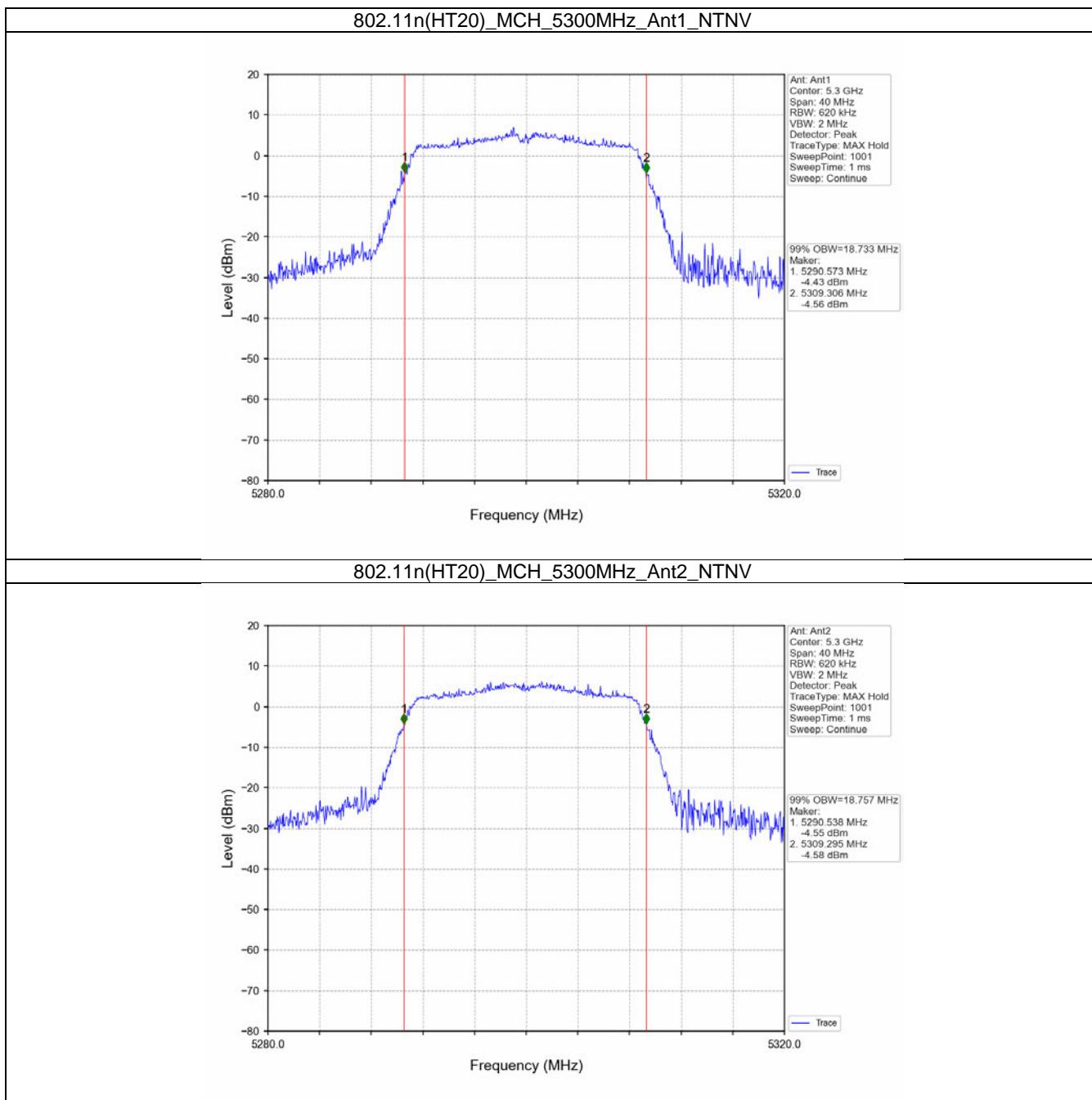
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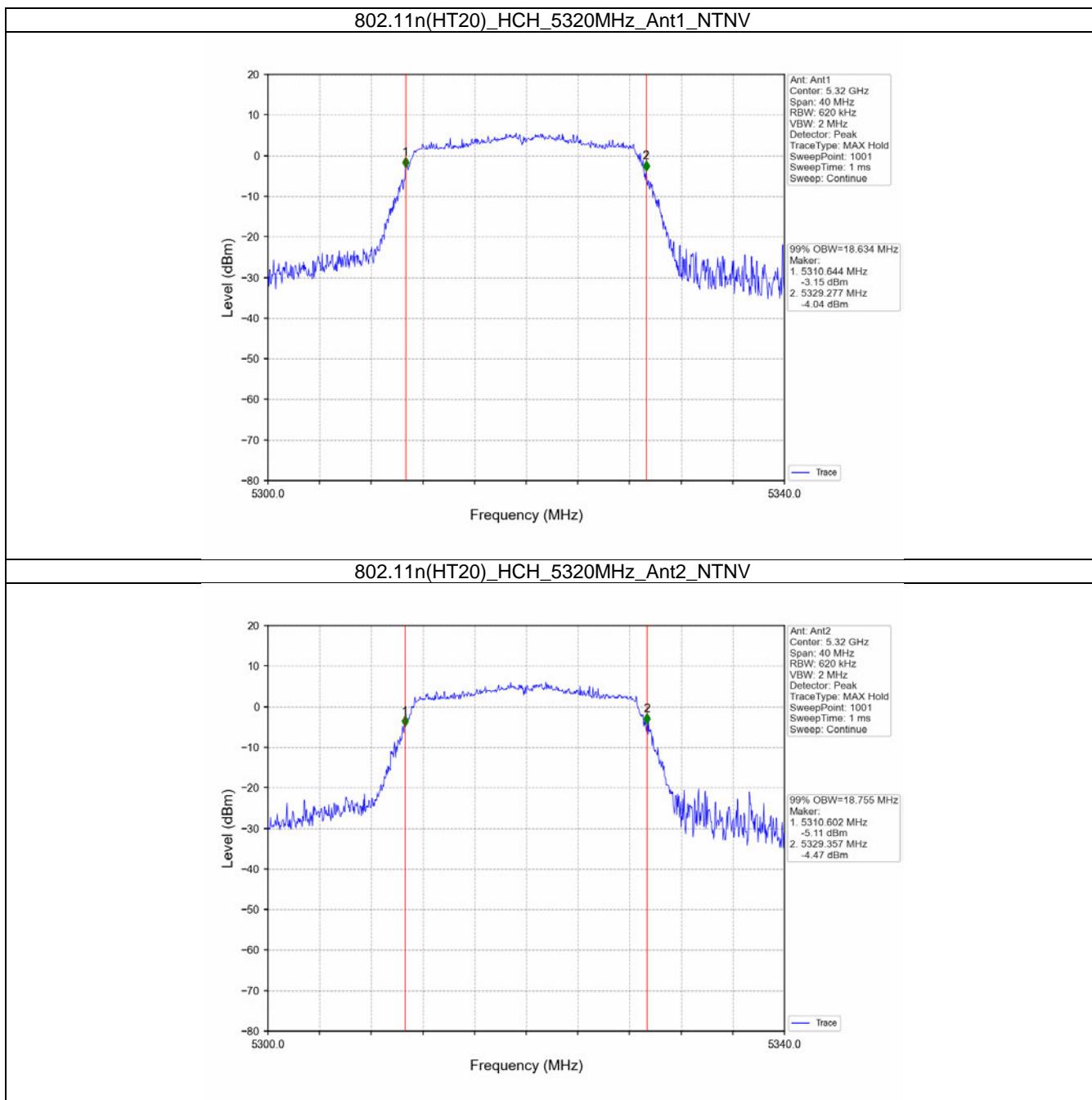
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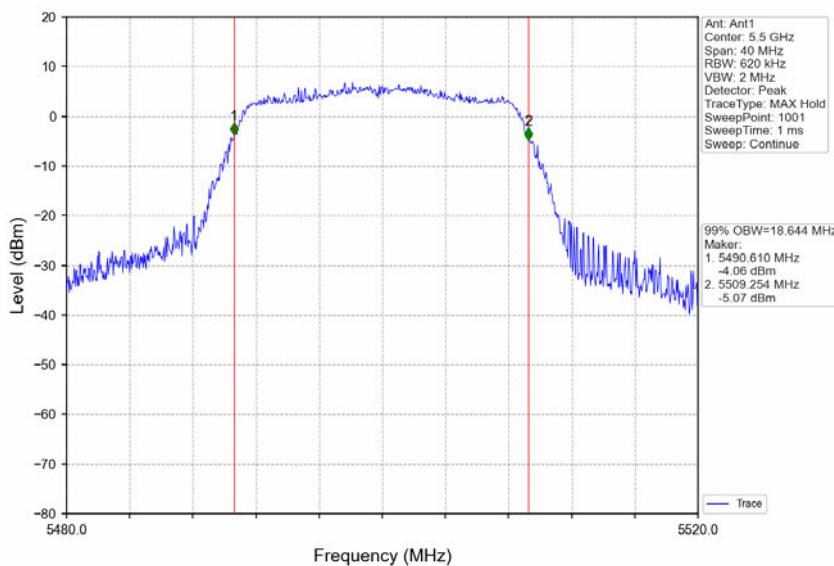
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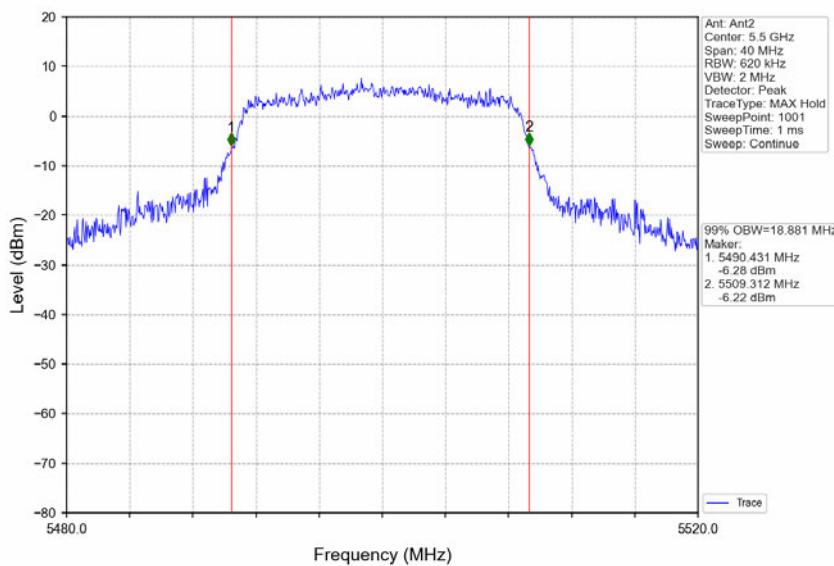
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802.11n(HT20)_LCH_5500MHz_Ant1_NTNV



802.11n(HT20)_LCH_5500MHz_Ant2_NTNV



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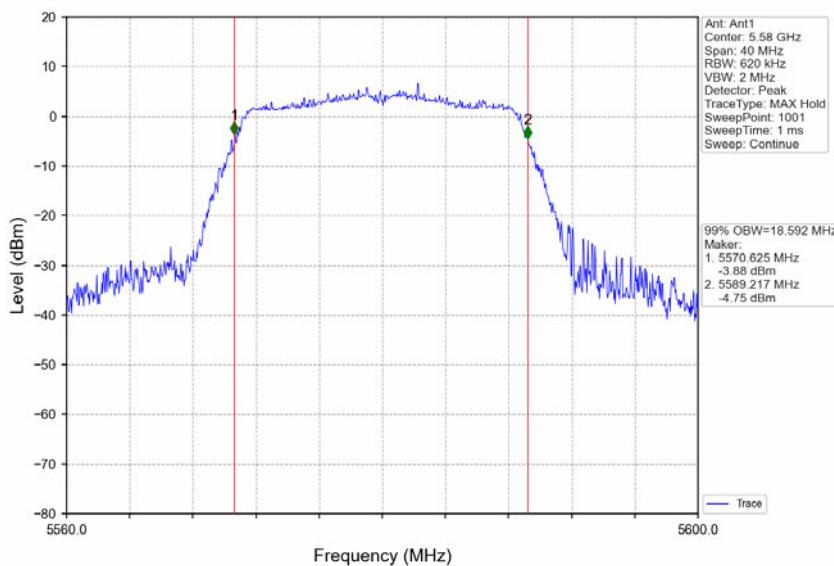
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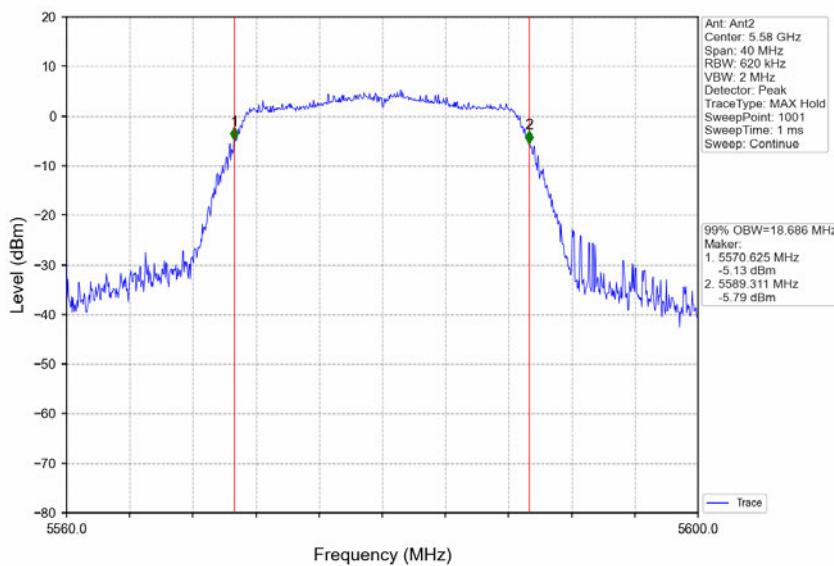
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802.11n(HT20)_MCH_5580MHz_Ant1_NTNV



802.11n(HT20)_MCH_5580MHz_Ant2_NTNV



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