

1. Duty Cycle

1.1 Test Result

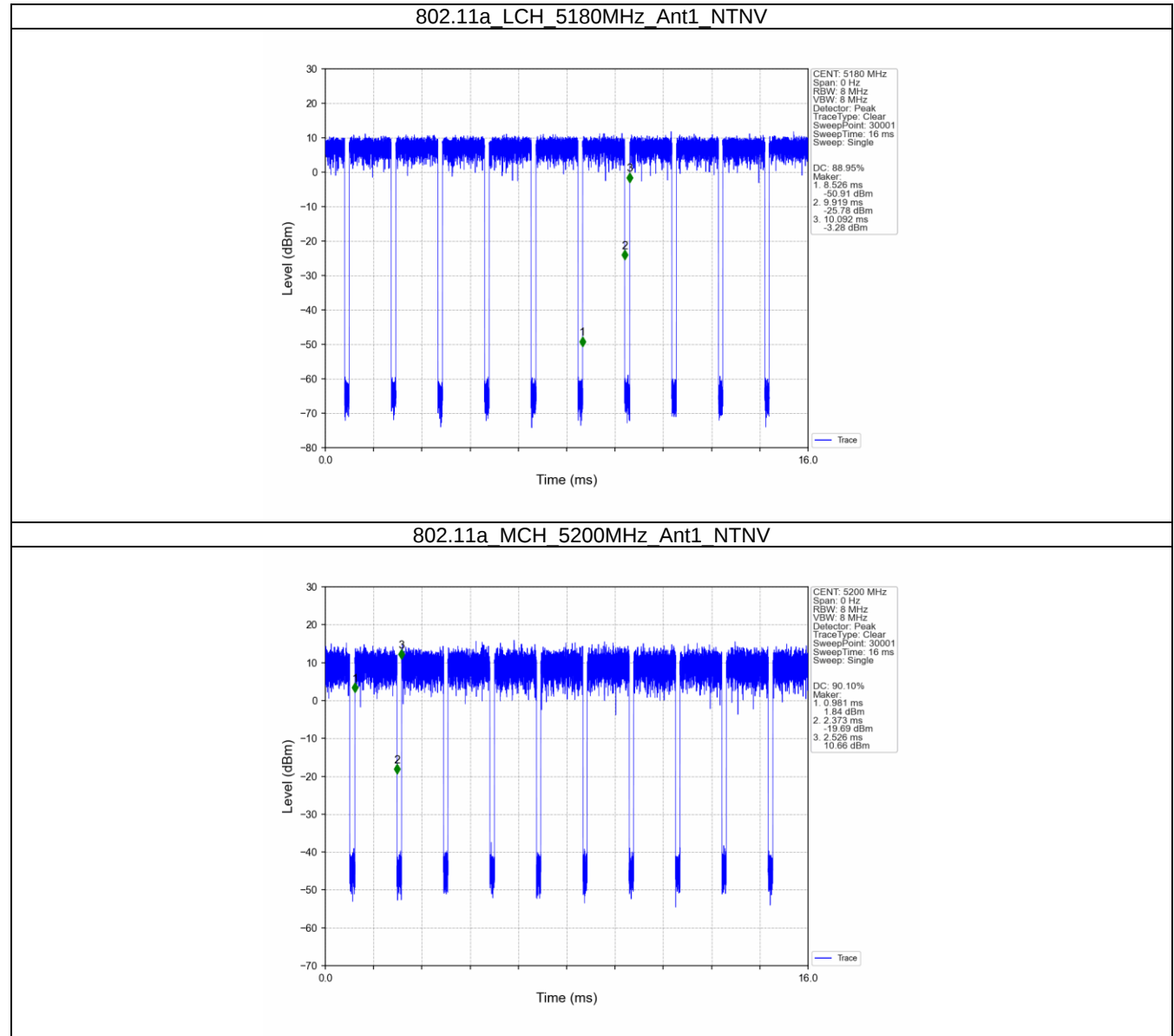
1.1.1 Ant1

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	1.393	1.566	88.95	0.51	1.73
		5200	1.392	1.545	90.10	0.45	0.53
		5240	1.392	1.553	89.63	0.48	1.06
		5260	1.394	1.564	89.13	0.50	1.58
		5300	1.392	1.553	89.63	0.48	1.06
		5320	1.392	1.873	74.32	1.29	16.38
		5500	1.393	1.563	89.12	0.50	1.55
		5580	1.392	1.562	89.12	0.50	1.58
		5700	1.392	1.562	89.12	0.50	1.05
		5745	1.394	1.544	90.28	0.44	0.61
		5785	1.393	1.563	89.12	0.50	1.58
802.11n (HT20)	SISO	5825	1.393	1.555	89.58	0.48	1.02
		5180	1.174	1.345	87.29	0.59	1.81
		5200	1.175	1.336	87.95	0.56	1.21
		5240	1.175	1.345	87.36	0.59	1.81
		5260	1.175	1.346	87.30	0.59	1.81
		5300	1.173	1.345	87.21	0.59	1.81
		5320	1.175	1.345	87.36	0.59	1.83
		5500	1.175	1.336	87.95	0.56	1.19
		5580	1.175	1.345	87.36	0.59	1.76
		5700	1.174	1.345	87.29	0.59	1.78
		5745	1.174	1.345	87.29	0.59	1.82
802.11n (HT40)	SISO	5785	1.175	1.345	87.36	0.59	1.79
		5825	1.175	1.346	87.30	0.59	1.79
		5190	0.588	0.757	77.68	1.10	2.90
		5230	0.588	0.739	79.57	0.99	1.02
		5270	0.587	0.757	77.54	1.10	2.88
		5310	0.587	0.757	77.54	1.10	2.88
		5510	0.587	0.757	77.54	1.10	2.88
		5550	0.588	0.757	77.68	1.10	2.88
802.11ac (VHT20)	SISO	5670	0.587	0.757	77.54	1.10	2.91
		5755	0.587	0.757	77.54	1.10	2.88
		5795	0.588	0.739	79.57	0.99	1.00
		5180	1.185	1.356	87.39	0.59	1.78
		5200	1.185	1.355	87.45	0.58	1.78
		5240	1.186	1.356	87.46	0.58	1.82
		5260	1.186	1.356	87.46	0.58	1.79
		5300	1.185	1.356	87.39	0.59	1.82
		5320	1.185	1.356	87.39	0.59	1.78
		5500	1.185	1.356	87.39	0.59	1.75
		5580	1.185	1.356	87.39	0.59	1.78
802.11ac	SISO	5700	1.186	1.356	87.46	0.58	1.79
		5745	1.186	1.356	87.46	0.58	1.78
		5785	1.186	1.356	87.46	0.58	1.78
		5825	1.186	1.356	87.46	0.58	1.78
802.11ac	SISO	5190	0.591	0.761	77.66	1.10	2.89

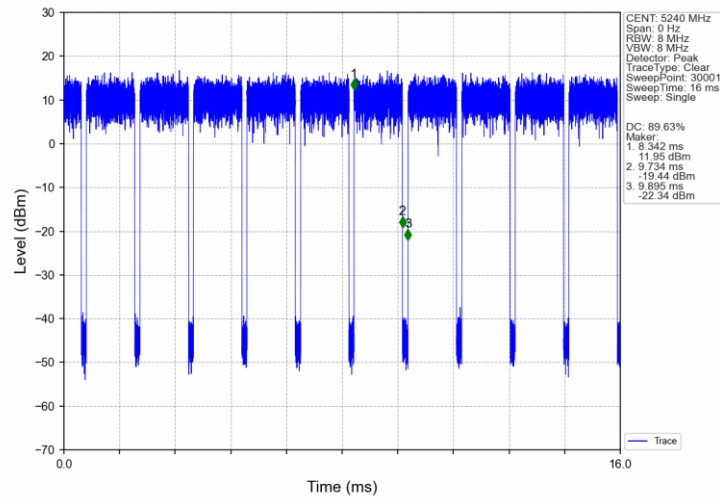
(VHT40)		5230	0.591	1.218	48.52	3.14	32.09
		5270	0.591	0.761	77.66	1.10	2.88
		5310	0.591	0.743	79.54	0.99	1.03
		5510	0.591	0.761	77.66	1.10	2.89
		5550	0.591	0.761	77.66	1.10	2.88
		5670	0.592	0.761	77.79	1.09	2.87
		5755	0.591	0.743	79.54	0.99	1.02
		5795	0.591	0.761	77.66	1.10	2.86
802.11ac (VHT80)	SISO	5210	0.297	0.466	63.73	1.96	3.92
		5290	0.296	0.439	67.43	1.71	0.03
		5530	0.296	0.466	63.52	1.97	3.91
		5610	0.296	0.466	63.52	1.97	3.93
		5775	0.296	0.466	63.52	1.97	3.91

1.2 Test Graph

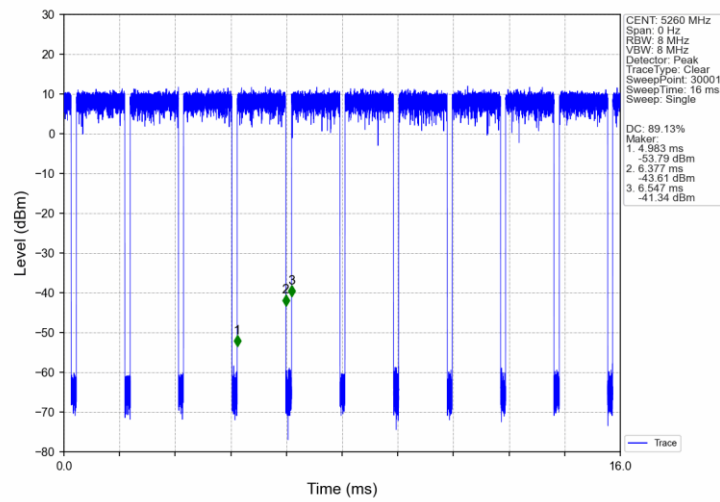
1.2.1 Ant1



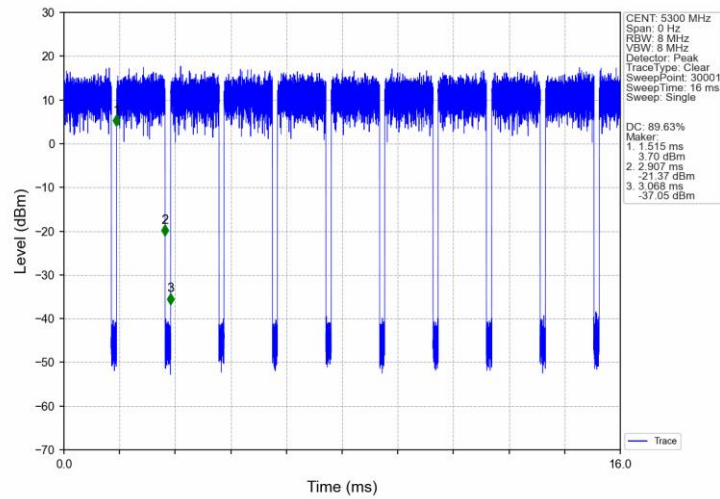
802.11a_HCH_5240MHz_Ant1_NTNV



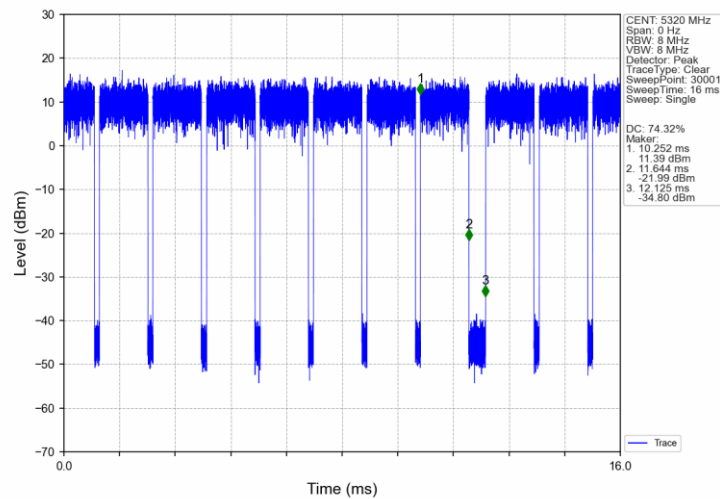
802.11a_LCH_5260MHz_Ant1_NTNV



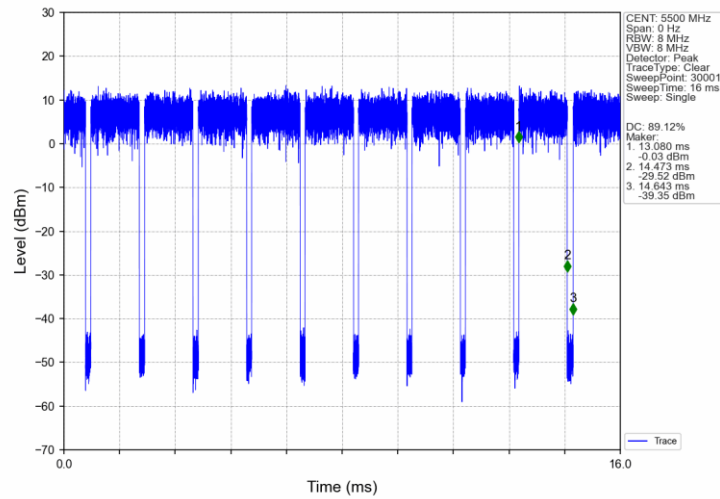
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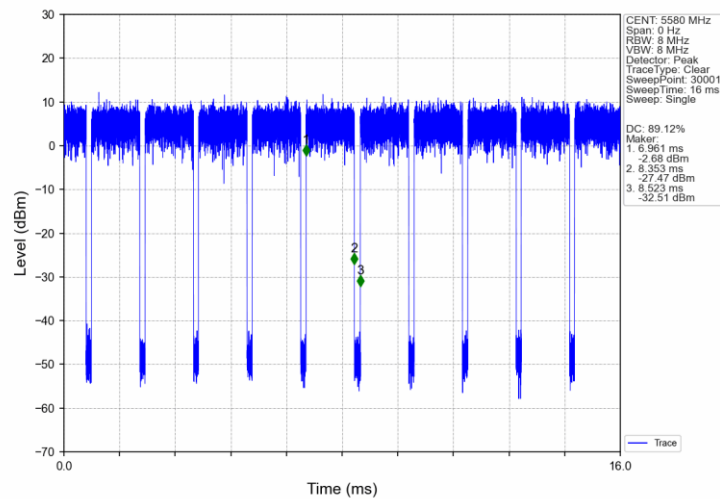
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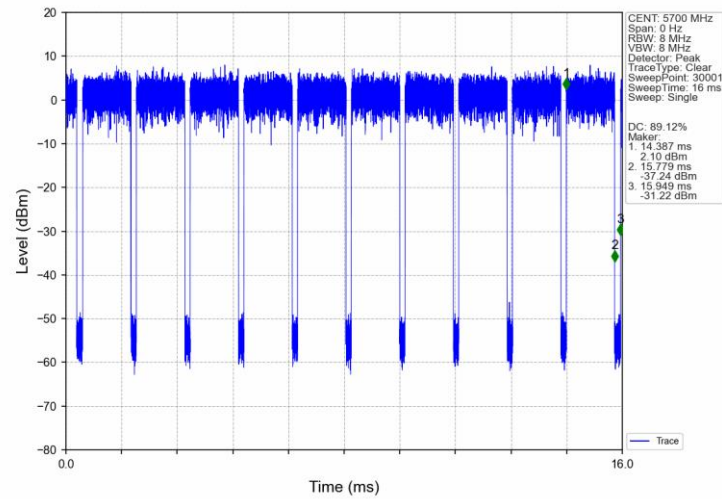
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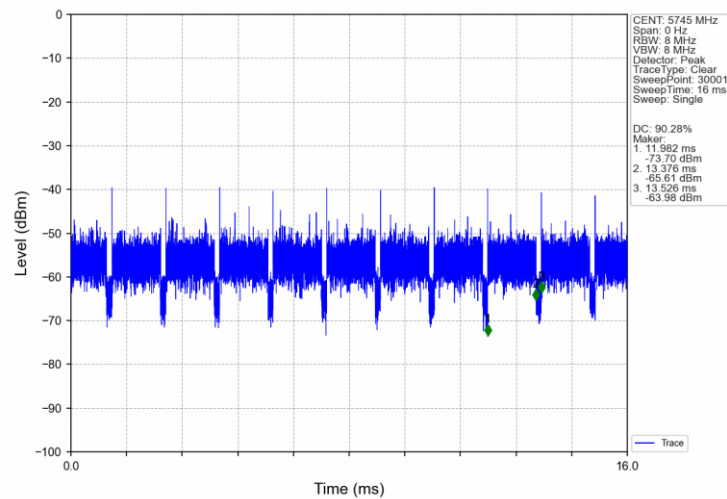
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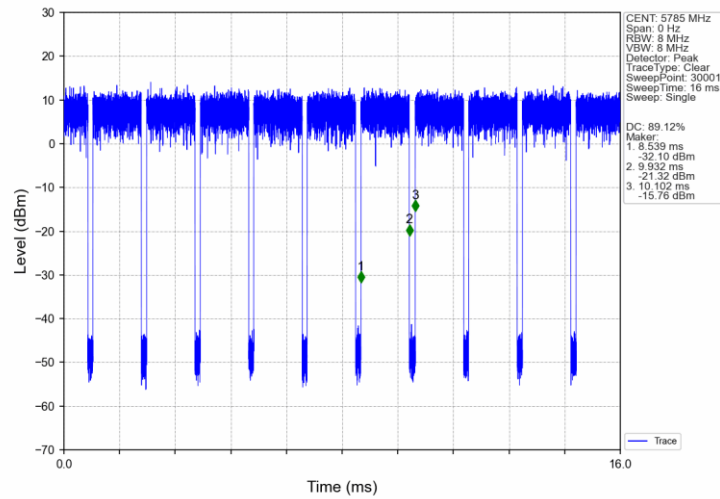
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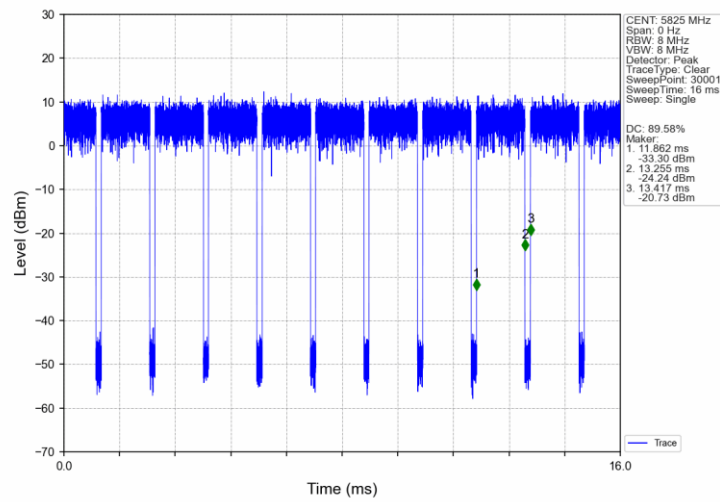
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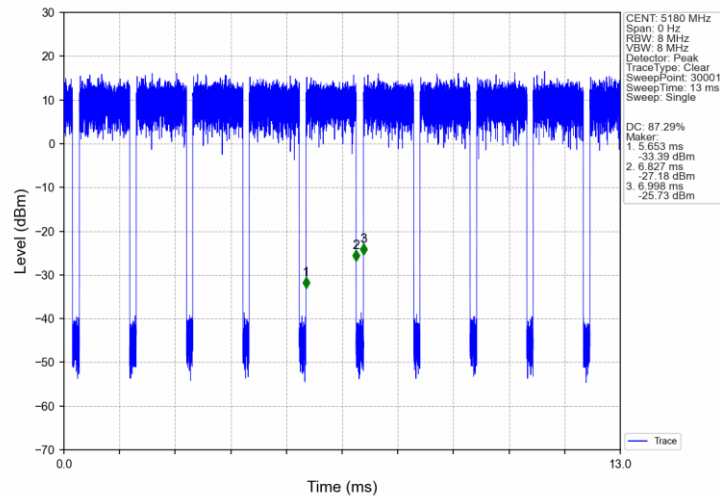
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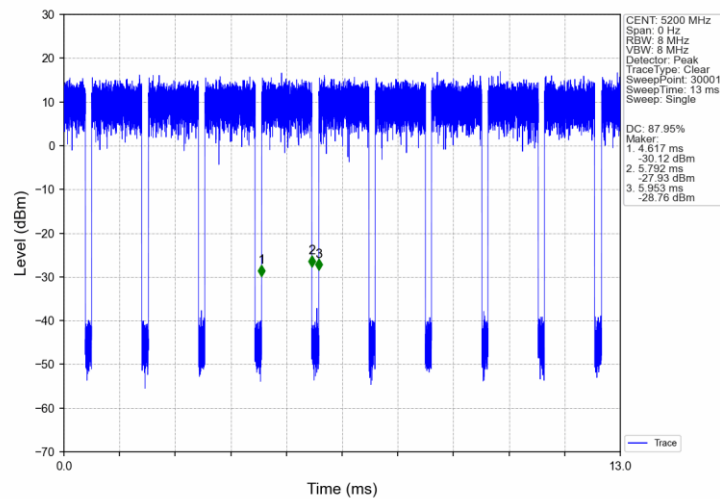
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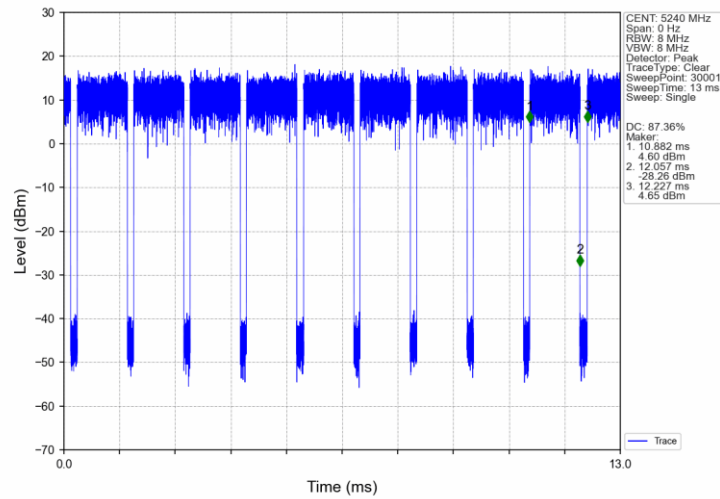
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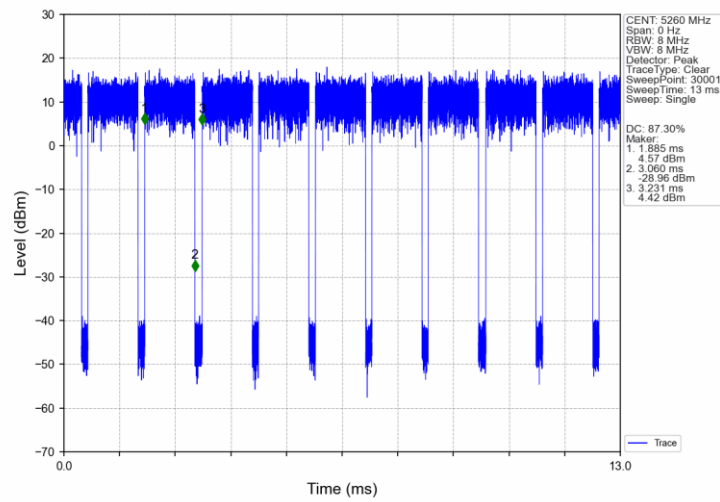
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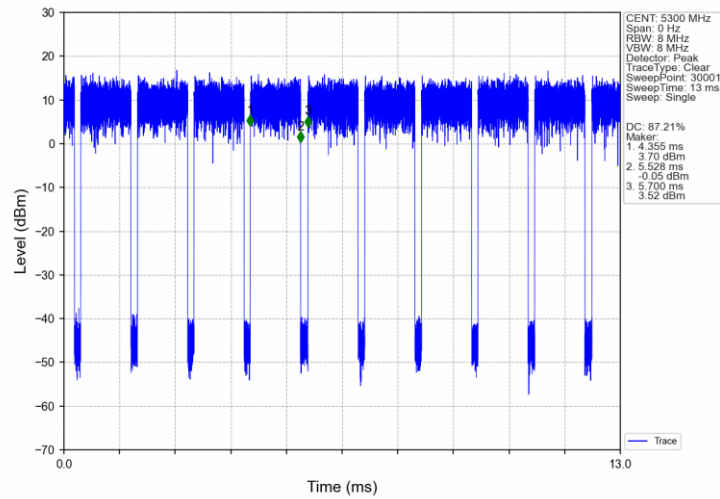
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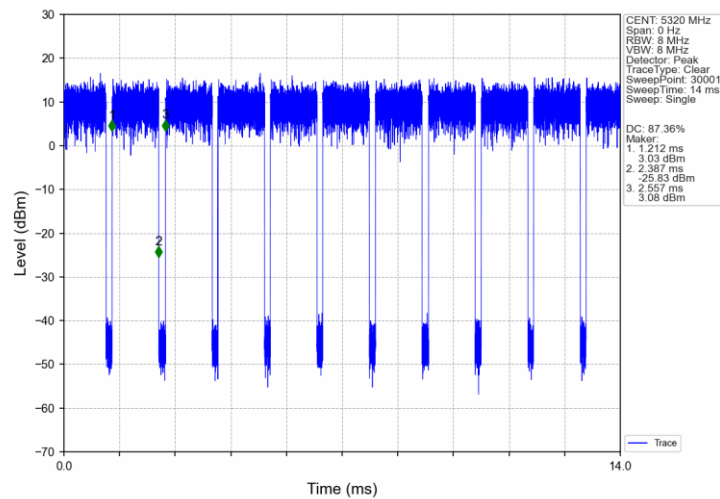
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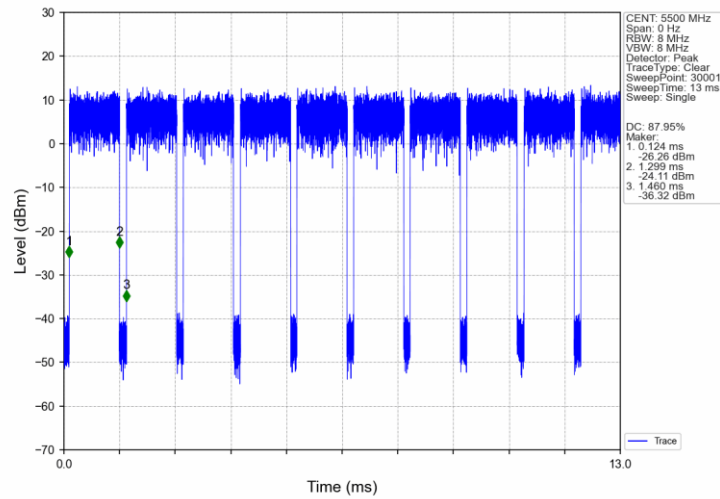
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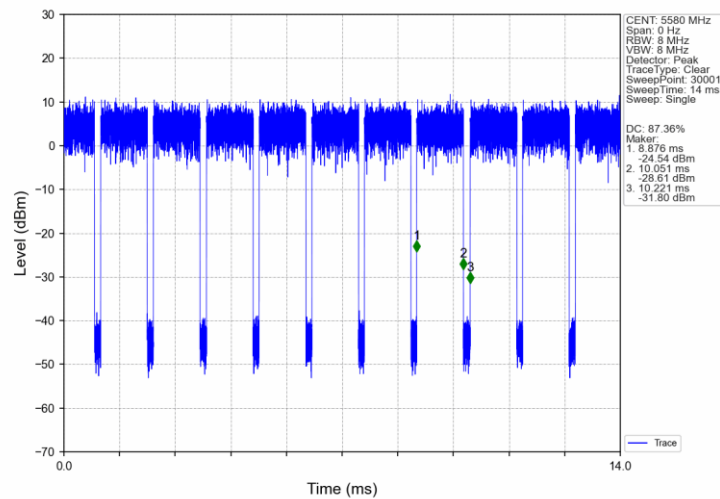
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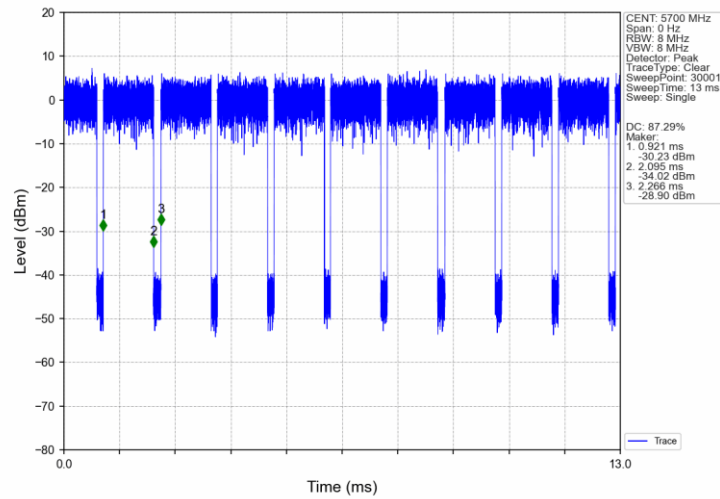
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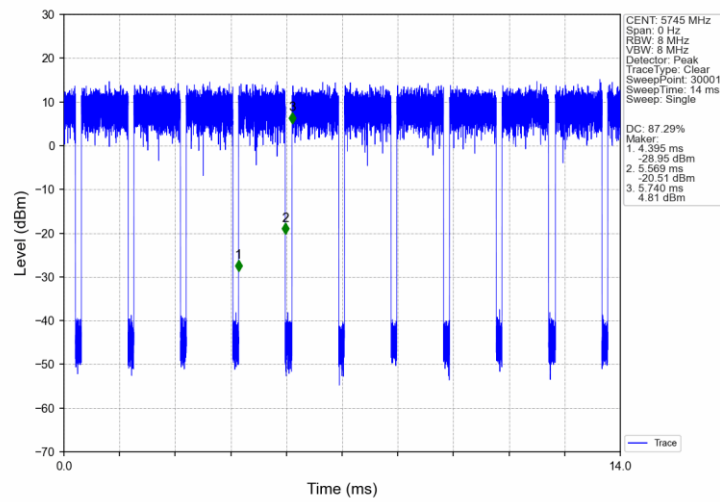
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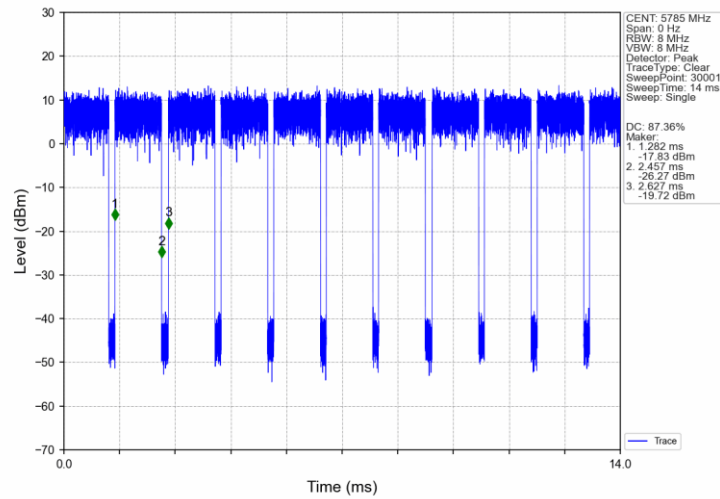
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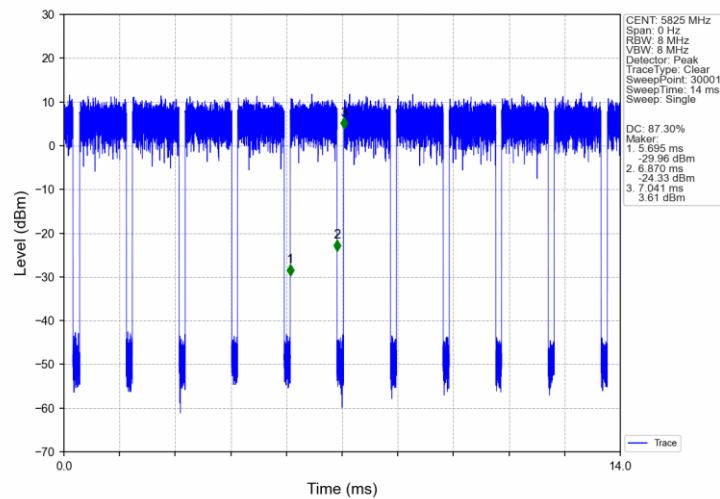
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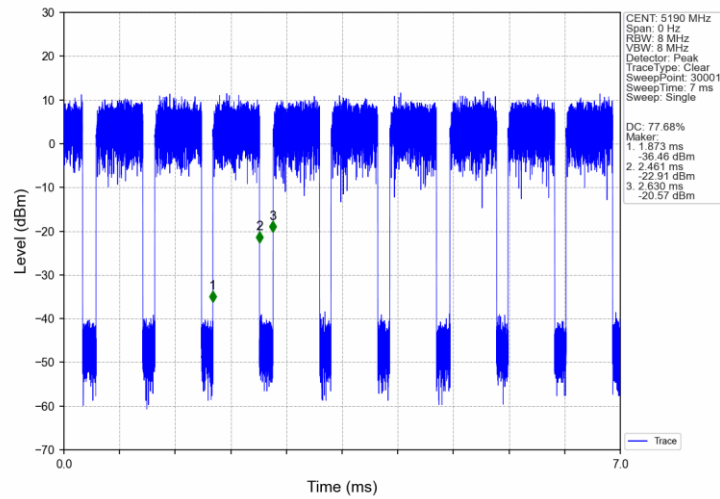
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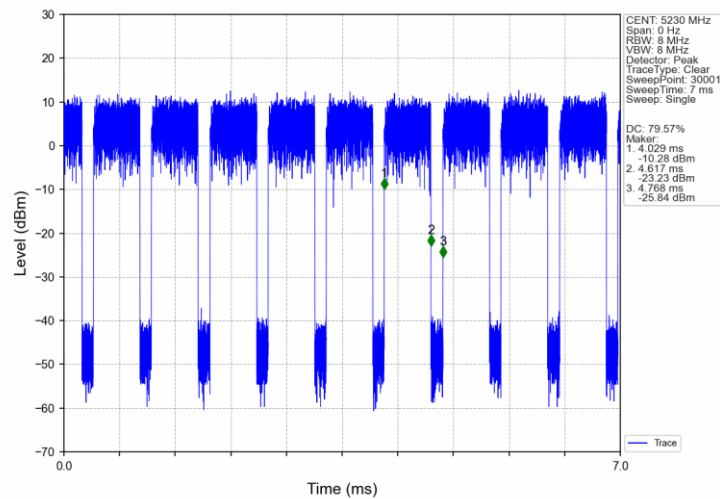
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



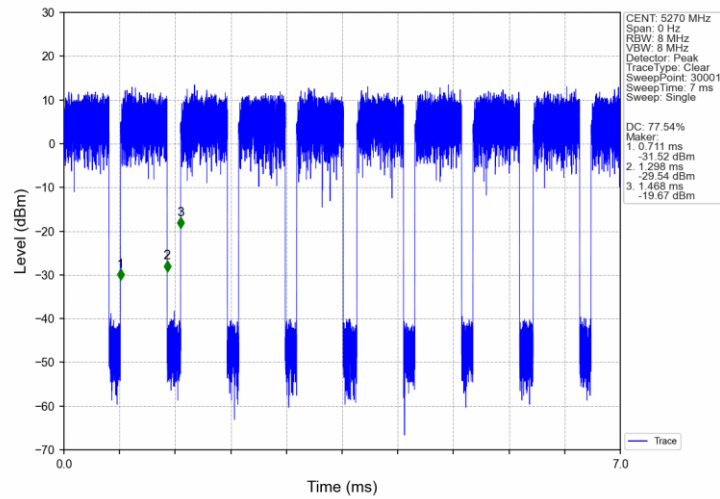
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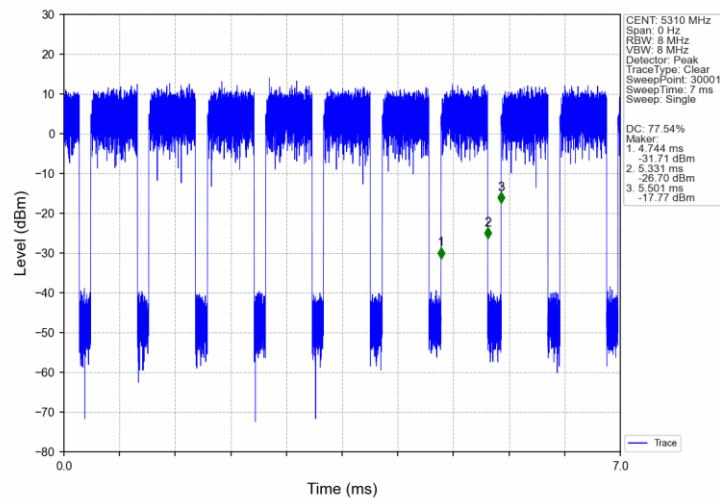
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



802.11n(HT40)_LCH_5270MHz_Ant1_NTNV

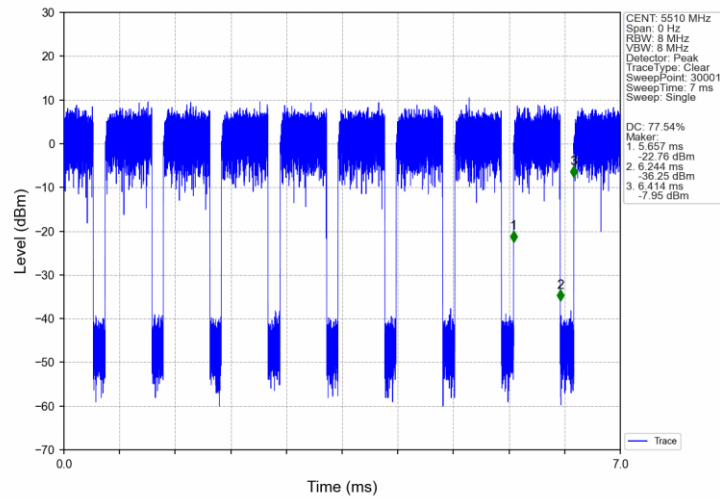


802.11n(HT40)_HCH_5310MHz_Ant1_NTNV

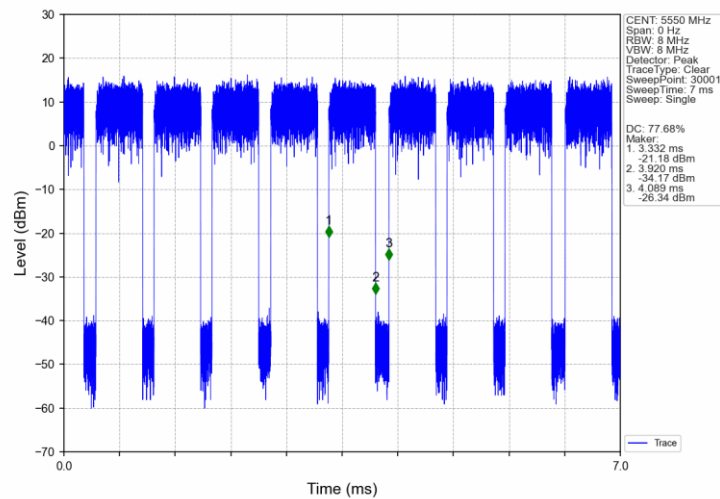




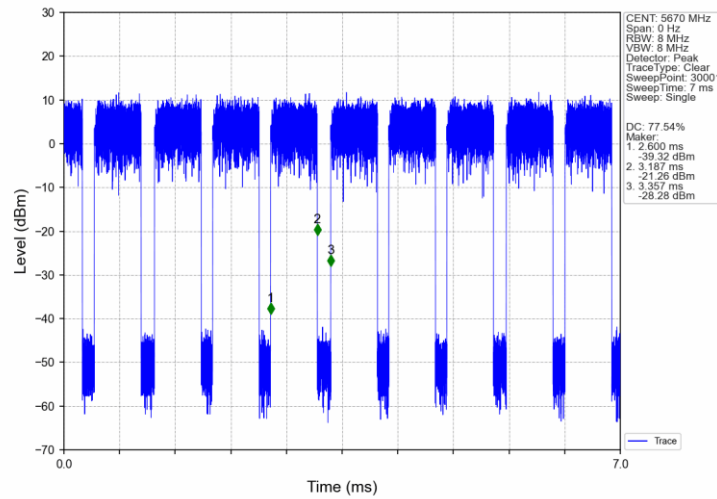
802.11n(HT40)_LCH_5510MHz_Ant1_NTNV



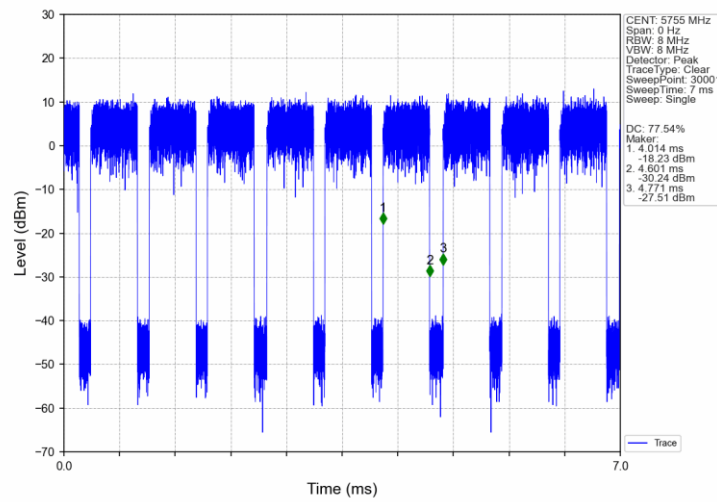
802.11n(HT40)_MCH_5550MHz_Ant1_NTNV



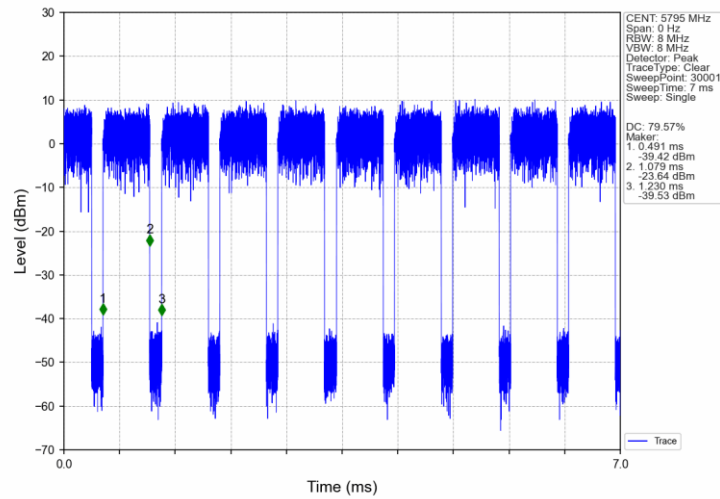
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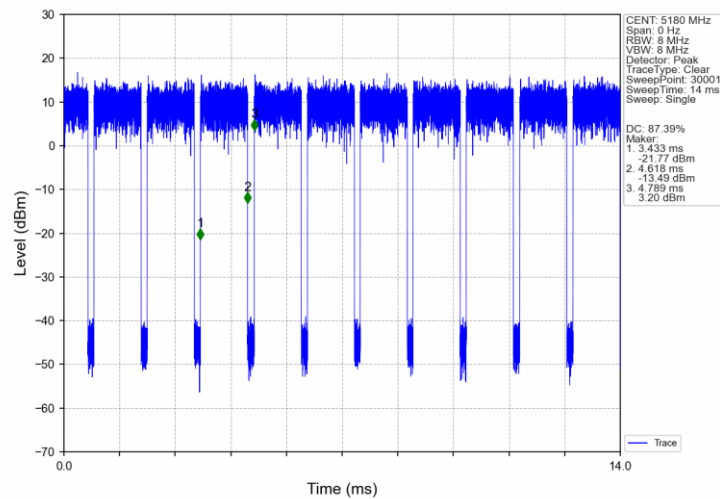
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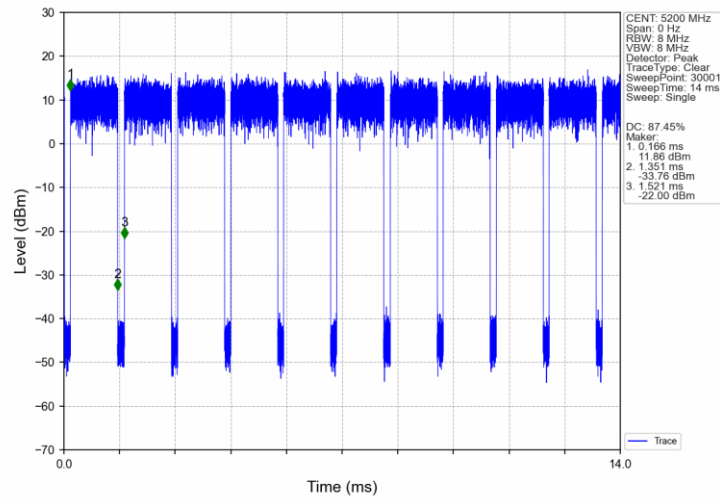
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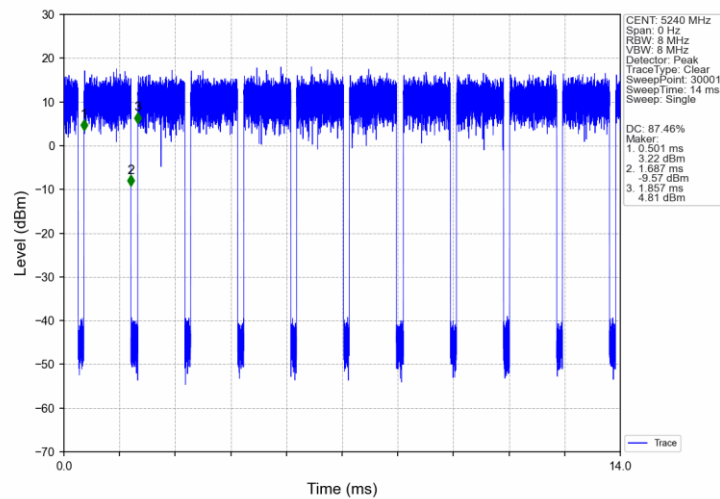
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



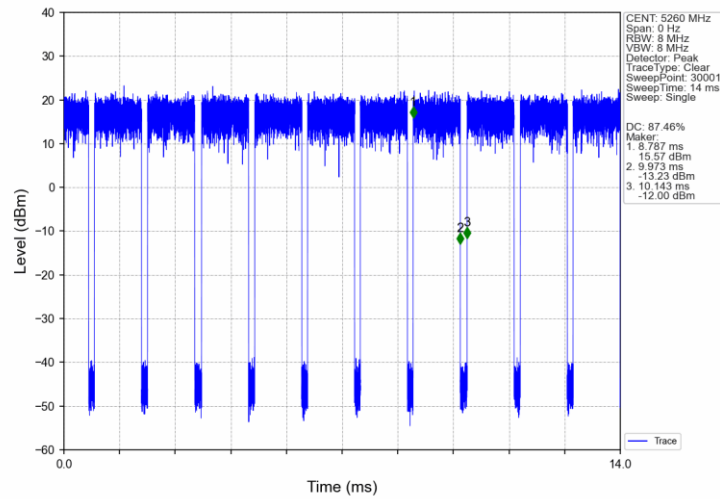
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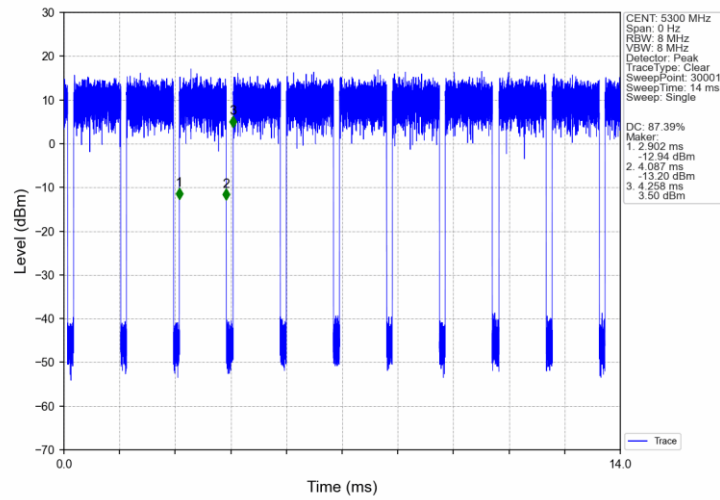
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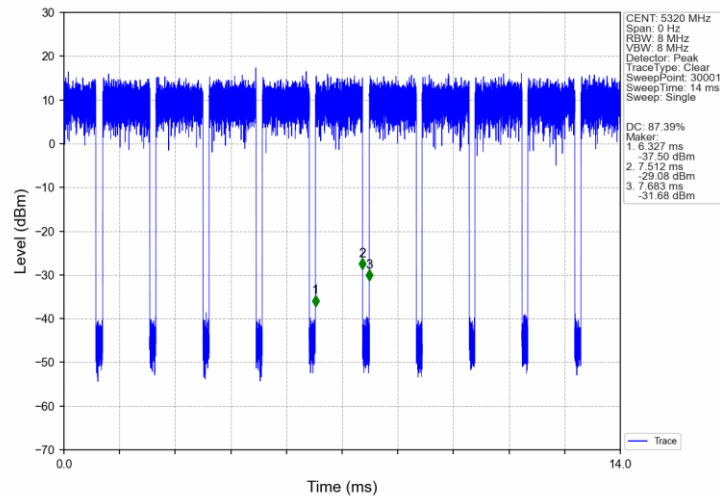
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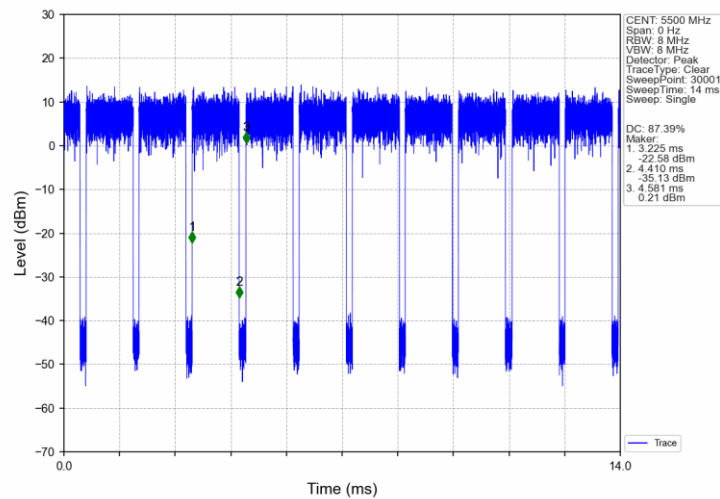
802.11ac(VHT20)_MCH_5300MHz_Ant1_NTNV



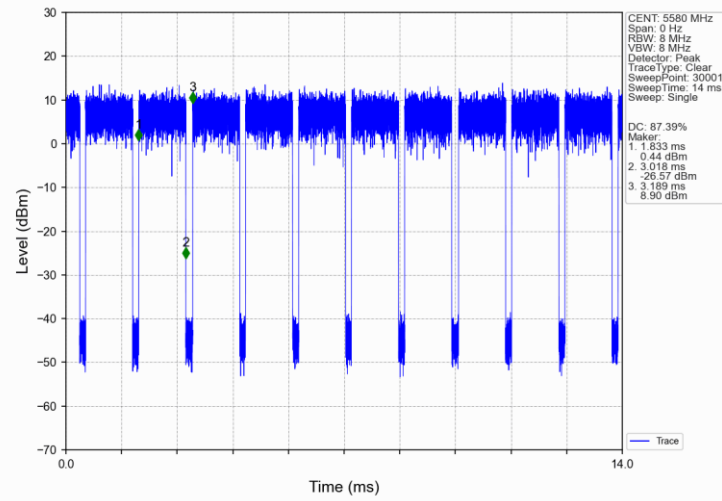
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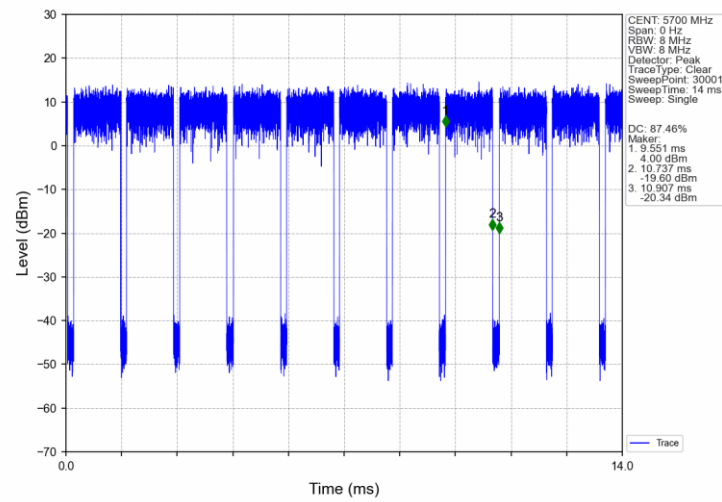
802.11ac(VHT20)_LCH_5500MHz_Ant1_NTNV



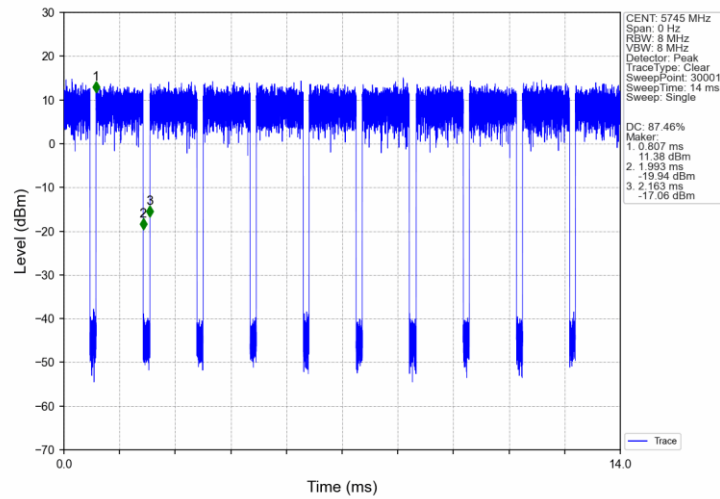
802.11ac(VHT20)_MCH_5580MHz_Ant1_NTNV



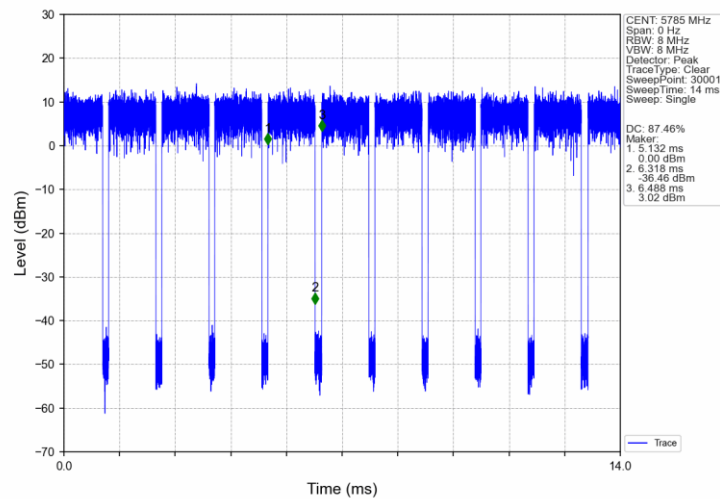
802.11ac(VHT20)_HCH_5700MHz_Ant1_NTNV



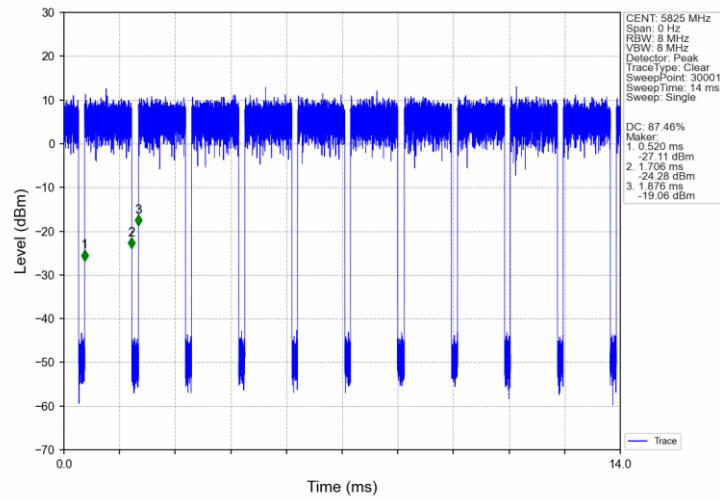
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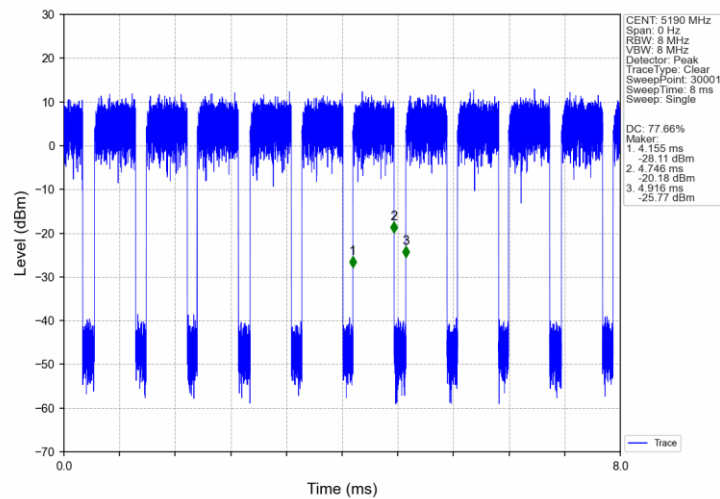
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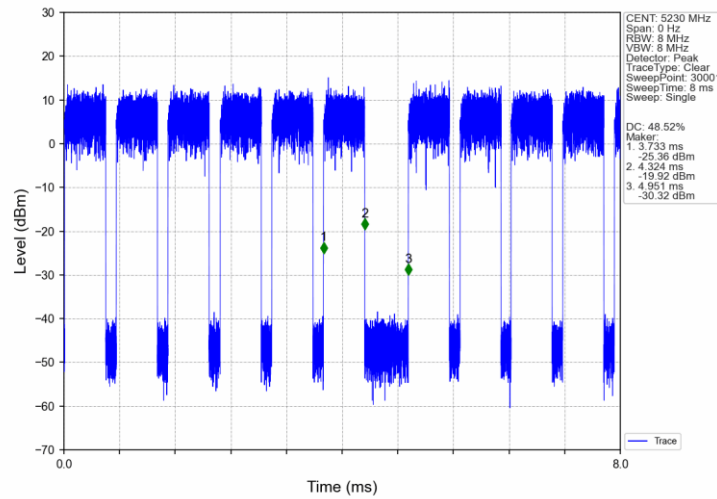
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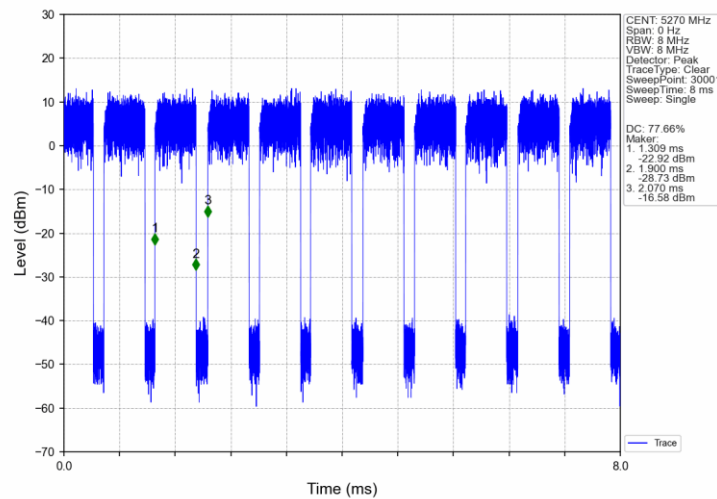
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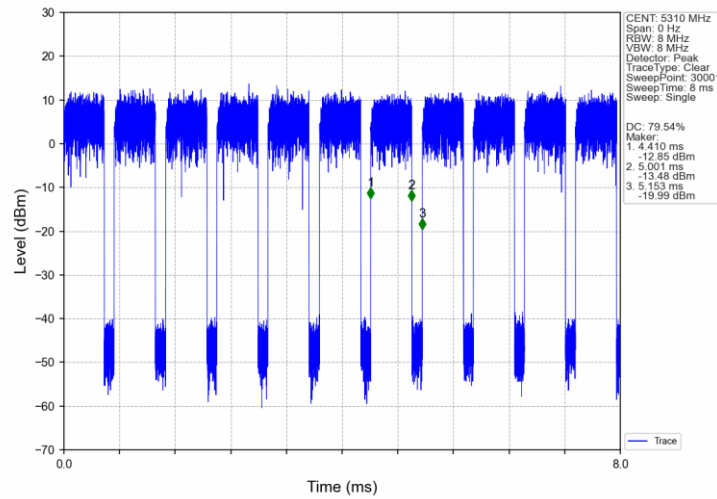
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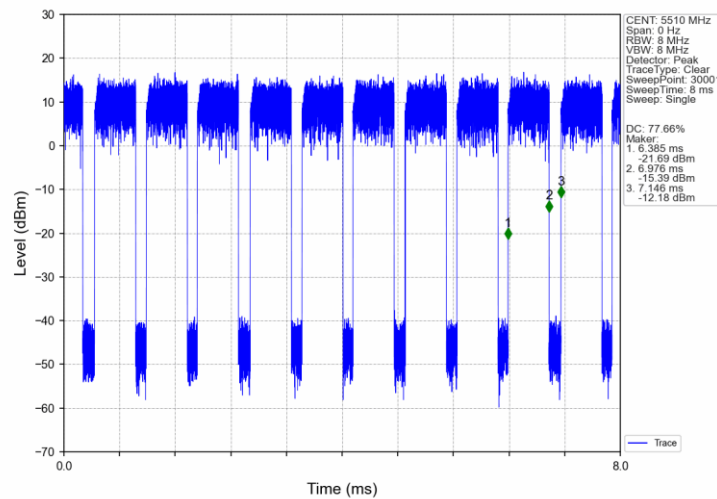
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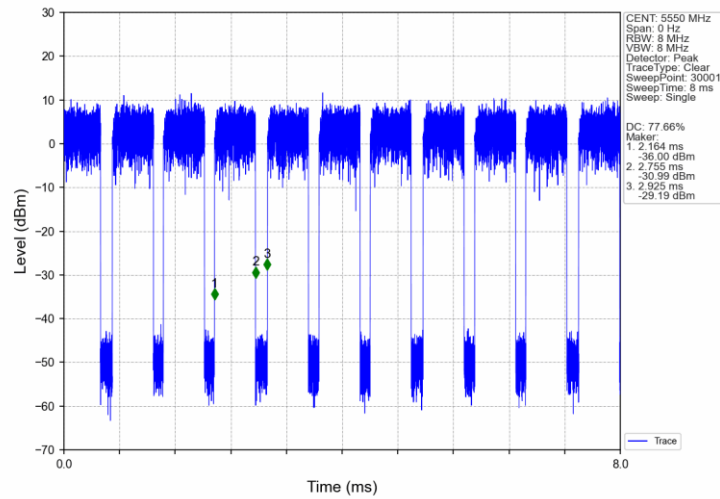
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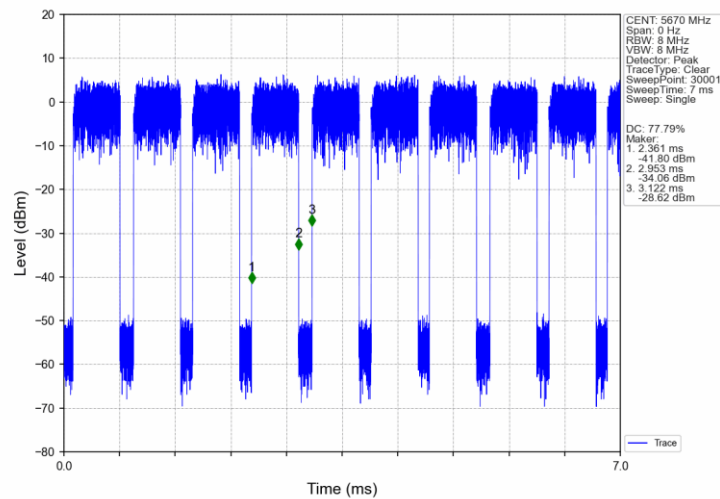
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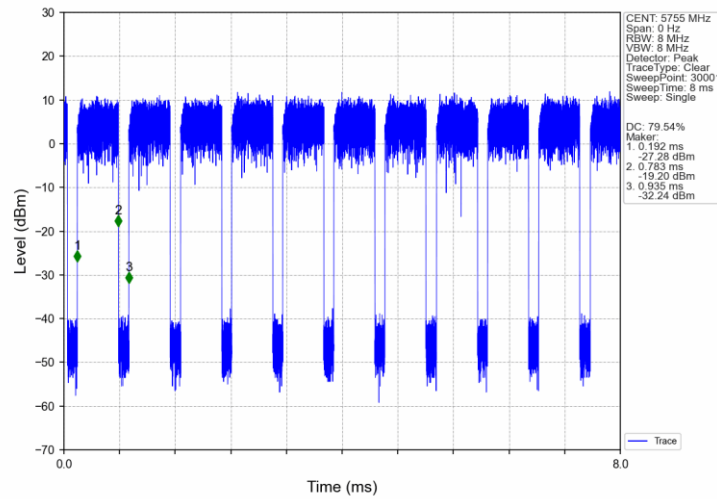
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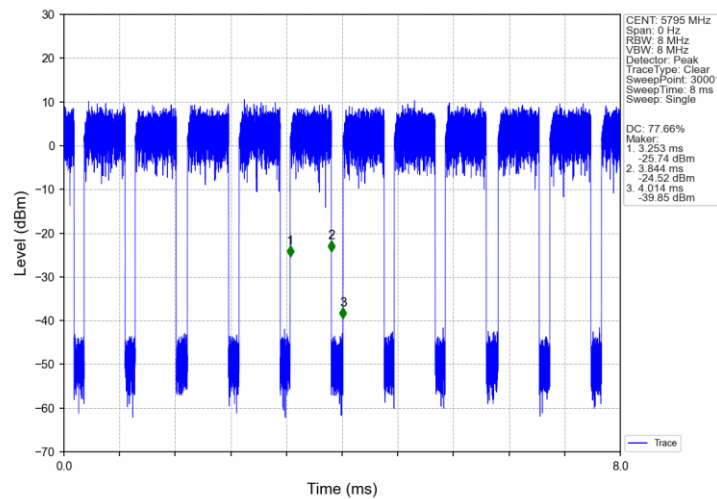
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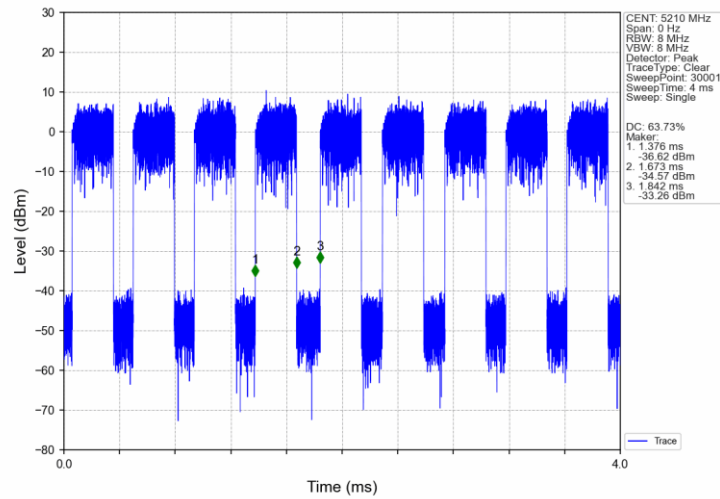
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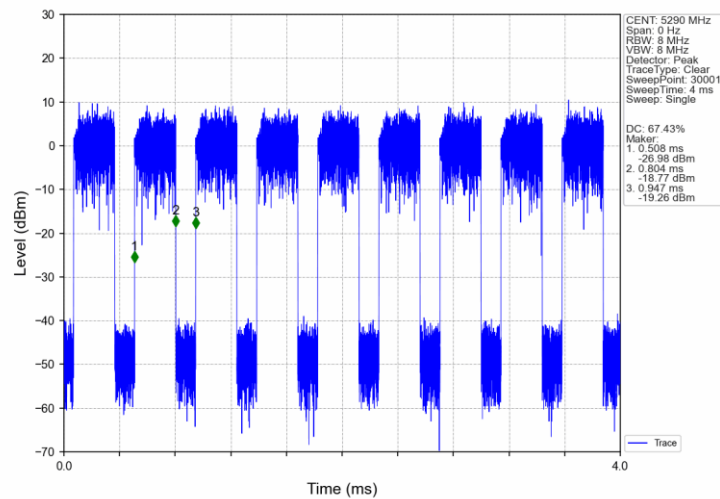
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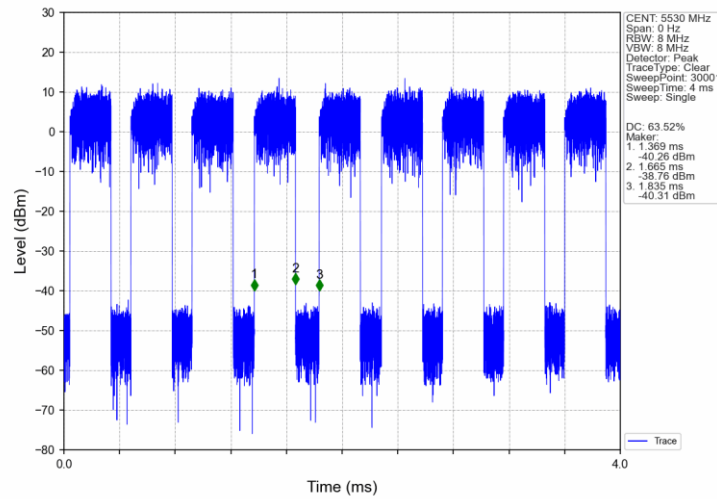
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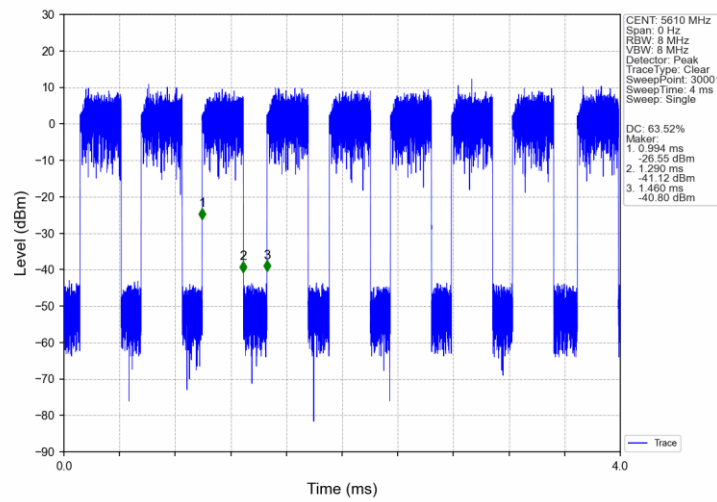
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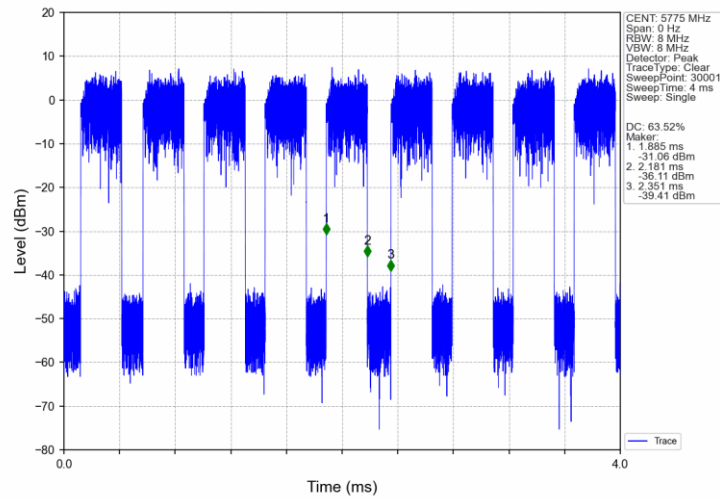
802.11ac(VHT80)_LCH_5530MHz_Ant1_NTNV



802.11ac(VHT80)_HCH_5610MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



2. Bandwidth

2.1 Test Result

2.1.1 OBW

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5180	1	17.358	/	Pass
		5200	1	17.408	/	Pass
		5240	1	17.452	/	Pass
		5260	1	17.363	/	Pass
		5300	1	17.370	/	Pass
		5320	1	17.405	/	Pass
		5500	1	17.473	/	Pass
		5580	1	17.372	/	Pass
		5700	1	17.408	/	Pass
		5745	1	17.616	/	Pass
		5785	1	17.511	/	Pass
		5825	1	17.578	/	Pass
802.11n (HT20)	SISO	5180	1	18.262	/	Pass
		5200	1	18.298	/	Pass
		5240	1	18.184	/	Pass
		5260	1	18.208	/	Pass
		5300	1	18.206	/	Pass
		5320	1	18.255	/	Pass
		5500	1	18.329	/	Pass
		5580	1	18.178	/	Pass
		5700	1	18.396	/	Pass
		5745	1	18.295	/	Pass
		5785	1	18.355	/	Pass
		5825	1	18.310	/	Pass
802.11n (HT40)	SISO	5190	1	37.184	/	Pass
		5230	1	37.097	/	Pass
		5270	1	37.121	/	Pass
		5310	1	37.110	/	Pass
		5510	1	37.199	/	Pass
		5550	1	38.287	/	Pass
		5670	1	36.913	/	Pass
		5755	1	36.808	/	Pass
		5795	1	36.715	/	Pass
802.11ac (VHT20)	SISO	5180	1	18.097	/	Pass
		5200	1	18.035	/	Pass
		5240	1	18.115	/	Pass
		5260	1	19.432	/	Pass
		5300	1	18.032	/	Pass
		5320	1	18.039	/	Pass
		5500	1	18.128	/	Pass
		5580	1	18.085	/	Pass
		5700	1	18.389	/	Pass
		5745	1	18.232	/	Pass
		5785	1	18.249	/	Pass
		5825	1	18.186	/	Pass
802.11ac (VHT40)	SISO	5190	1	37.062	/	Pass
		5230	1	37.084	/	Pass

		5270	1	36.869	/	Pass
		5310	1	36.975	/	Pass
		5510	1	40.093	/	Pass
		5550	1	37.117	/	Pass
		5670	1	36.954	/	Pass
		5755	1	36.897	/	Pass
		5795	1	37.161	/	Pass
802.11ac (VHT80)	SISO	5210	1	76.272	/	Pass
		5290	1	76.257	/	Pass
		5530	1	82.435	/	Pass
		5610	1	81.501	/	Pass
		5775	1	76.926	/	Pass

2.1.2 26dB BW

Mode	TX Type	Frequency (MHz)	ANT	26dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5180	1	24.604	/	Pass
		5200	1	22.156	/	Pass
		5240	1	23.920	/	Pass
		5260	1	24.606	/	Pass
		5300	1	22.401	/	Pass
		5320	1	28.781	/	Pass
		5500	1	26.067	/	Pass
		5580	1	24.417	/	Pass
802.11n (HT20)	SISO	5700	1	24.489	/	Pass
		5180	1	27.625	/	Pass
		5200	1	28.469	/	Pass
		5240	1	28.180	/	Pass
		5260	1	27.327	/	Pass
		5300	1	26.879	/	Pass
		5320	1	30.025	/	Pass
		5500	1	28.161	/	Pass
802.11n (HT40)	SISO	5580	1	27.559	/	Pass
		5700	1	28.517	/	Pass
		5190	1	58.740	/	Pass
		5230	1	66.565	/	Pass
		5270	1	52.414	/	Pass
		5310	1	55.520	/	Pass
		5510	1	66.882	/	Pass
		5550	1	78.050	/	Pass
802.11ac (VHT20)	SISO	5670	1	56.455	/	Pass
		5180	1	26.499	/	Pass
		5200	1	22.430	/	Pass
		5240	1	29.189	/	Pass
		5260	1	38.782	/	Pass
		5300	1	24.032	/	Pass
		5320	1	23.630	/	Pass
		5500	1	26.321	/	Pass
802.11ac (VHT40)	SISO	5580	1	23.433	/	Pass
		5700	1	29.953	/	Pass
		5190	1	55.692	/	Pass
		5230	1	68.721	/	Pass
		5270	1	54.216	/	Pass
		5310	1	54.333	/	Pass
		5510	1	79.148	/	Pass
		5550	1	68.217	/	Pass
		5670	1	62.346	/	Pass

802.11ac (VHT80)	SISO	5210	1	86.671	/	Pass
		5290	1	82.145	/	Pass
		5530	1	161.231	/	Pass
		5610	1	166.110	/	Pass

2.1.3 6dB BW

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5745	1	16.350	≥ 0.5	Pass
		5785	1	16.352	≥ 0.5	Pass
		5825	1	16.384	≥ 0.5	Pass
802.11n (HT20)	SISO	5745	1	16.901	≥ 0.5	Pass
		5785	1	16.596	≥ 0.5	Pass
		5825	1	16.977	≥ 0.5	Pass
802.11n (HT40)	SISO	5755	1	35.233	≥ 0.5	Pass
		5795	1	35.368	≥ 0.5	Pass
802.11ac (VHT20)	SISO	5745	1	17.165	≥ 0.5	Pass
		5785	1	16.899	≥ 0.5	Pass
		5825	1	17.001	≥ 0.5	Pass
802.11ac (VHT40)	SISO	5755	1	35.168	≥ 0.5	Pass
		5795	1	35.240	≥ 0.5	Pass
802.11ac (VHT80)	SISO	5775	1	75.125	≥ 0.5	Pass