

### 10 Appendix

#### 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	2.065	2.225	92.81	0.32	5.13
		5200	2.072	2.217	93.46	0.29	4.75
		5240	2.065	2.218	93.10	0.31	4.40
		5260	2.071	2.235	92.66	0.33	5.97
		5300	2.070	2.226	92.99	0.32	5.59
		5320	2.071	2.208	93.80	0.28	4.83
		5500	2.065	2.217	93.14	0.31	4.36
		5580	2.066	2.235	92.44	0.34	5.10
		5700	2.064	2.226	92.72	0.33	4.33
		5745	2.070	2.225	93.03	0.31	5.59
		5785	2.065	2.226	92.77	0.33	4.33
5825	2.065	2.209	93.48	0.29	4.46		
802.11n (HT20)	MIMO	5180	1.922	2.082	92.32	0.35	5.51
		5200	1.928	2.073	93.01	0.31	5.12
		5240	1.927	2.091	92.16	0.35	5.88
		5260	1.921	2.090	91.91	0.37	5.43
		5300	1.921	2.082	92.27	0.35	5.51
		5320	1.926	2.082	92.51	0.34	5.49
		5500	1.926	2.091	92.11	0.36	5.95
		5580	1.926	2.082	92.51	0.34	5.50
		5700	1.926	2.091	92.11	0.36	6.39
		5745	1.926	2.082	92.51	0.34	5.53
		5785	1.920	2.082	92.22	0.35	5.48
5825	1.920	2.091	91.82	0.37	4.57		
802.11n (HT40)	MIMO	5190	0.950	1.115	85.20	0.70	11.73
		5230	0.950	1.061	89.54	0.48	7.40
		5270	0.944	1.087	86.84	0.61	6.96



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		5310	0.945	1.097	86.14	0.65	9.45
		5510	0.950	1.115	85.20	0.70	11.73
		5550	0.945	1.097	86.14	0.65	9.38
		5670	0.944	1.106	85.35	0.69	8.37
		5755	0.945	1.106	85.44	0.68	9.26
		5795	0.945	1.088	86.86	0.61	8.73
802.11ac (VHT20)	MIMO	5180	1.938	2.103	92.15	0.35	6.32
		5200	1.939	2.104	92.16	0.35	6.36
		5240	1.938	2.094	92.55	0.34	5.94
		5260	1.939	2.095	92.55	0.34	5.93
		5300	1.938	2.085	92.95	0.32	5.55
		5320	1.933	2.104	91.87	0.37	5.43
		5500	1.933	2.094	92.31	0.35	4.58
		5580	1.933	2.095	92.27	0.35	5.01
		5700	1.933	2.085	92.71	0.33	5.49
		5745	1.939	2.076	93.40	0.30	5.12
		5785	1.939	2.094	92.60	0.33	5.90
		5825	1.938	2.103	92.15	0.35	5.88
802.11ac (VHT40)	MIMO	5190	0.953	1.123	84.86	0.71	7.42
		5230	0.954	1.124	84.88	0.71	10.70
		5270	0.953	1.087	87.67	0.57	8.79
		5310	0.953	1.123	84.86	0.71	11.63
		5510	0.954	1.106	86.26	0.64	10.25
		5550	0.953	1.114	85.55	0.68	9.17
		5670	0.959	1.115	86.01	0.65	10.95
		5755	0.958	1.123	85.31	0.69	11.69
5795	0.952	1.123	84.77	0.72	11.59		
802.11ac (VHT80)	MIMO	5210	0.461	0.631	73.06	1.36	16.58
		5290	0.460	0.604	76.16	1.18	16.61
		5530	0.461	0.631	73.06	1.36	15.13
		5610	0.461	0.632	72.94	1.37	16.65
		5775	0.461	0.631	73.06	1.36	18.19



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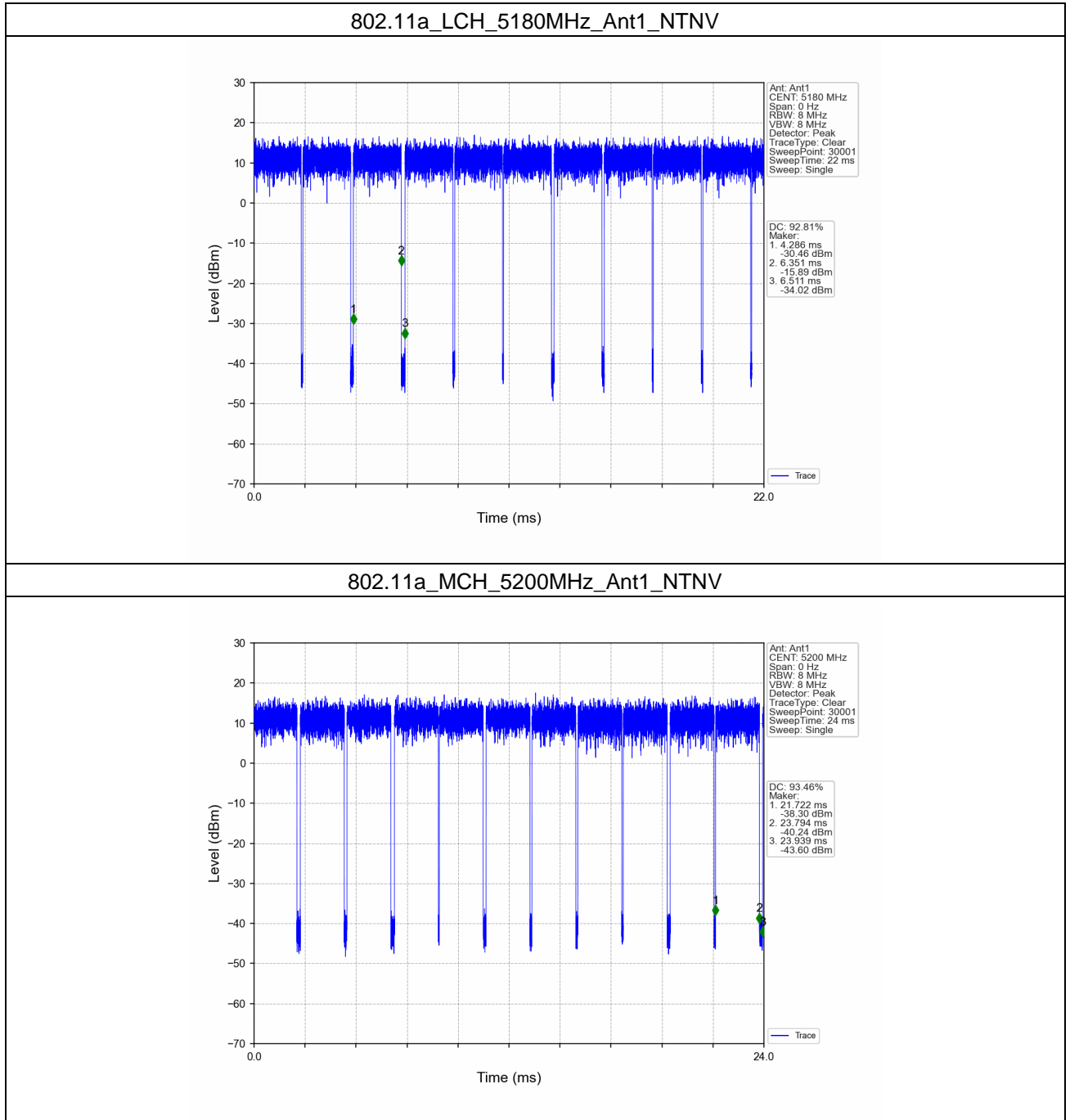
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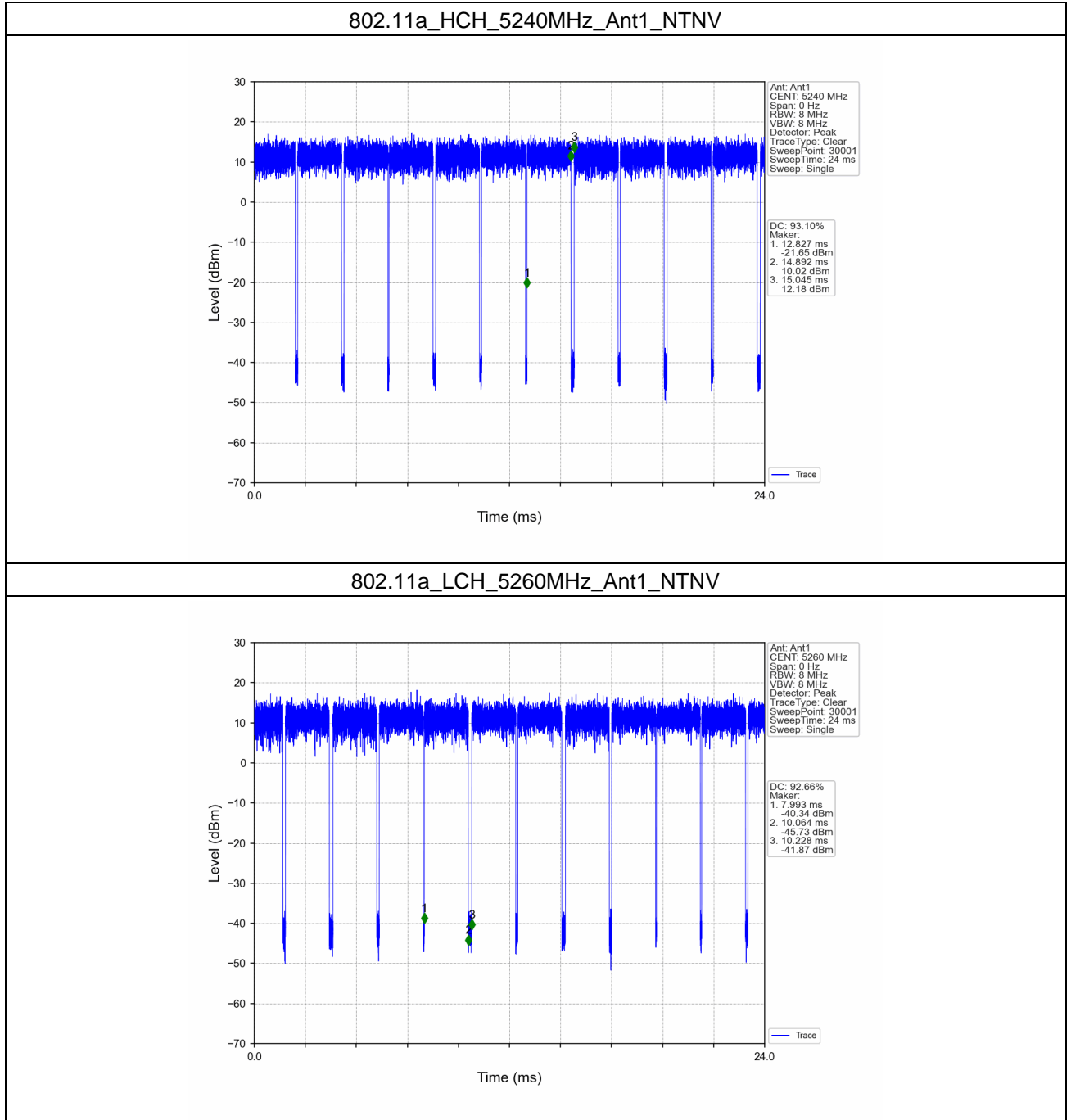
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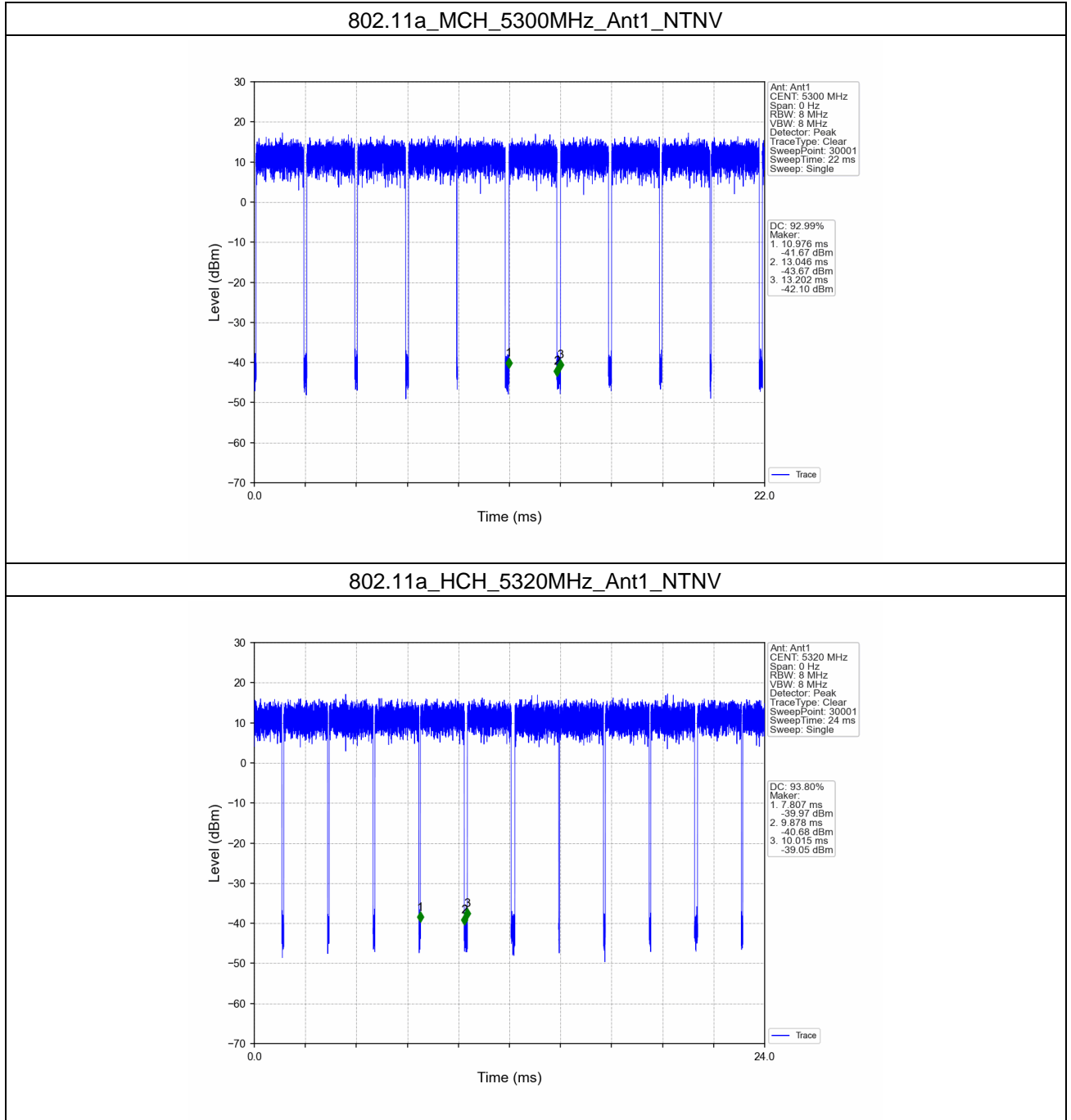


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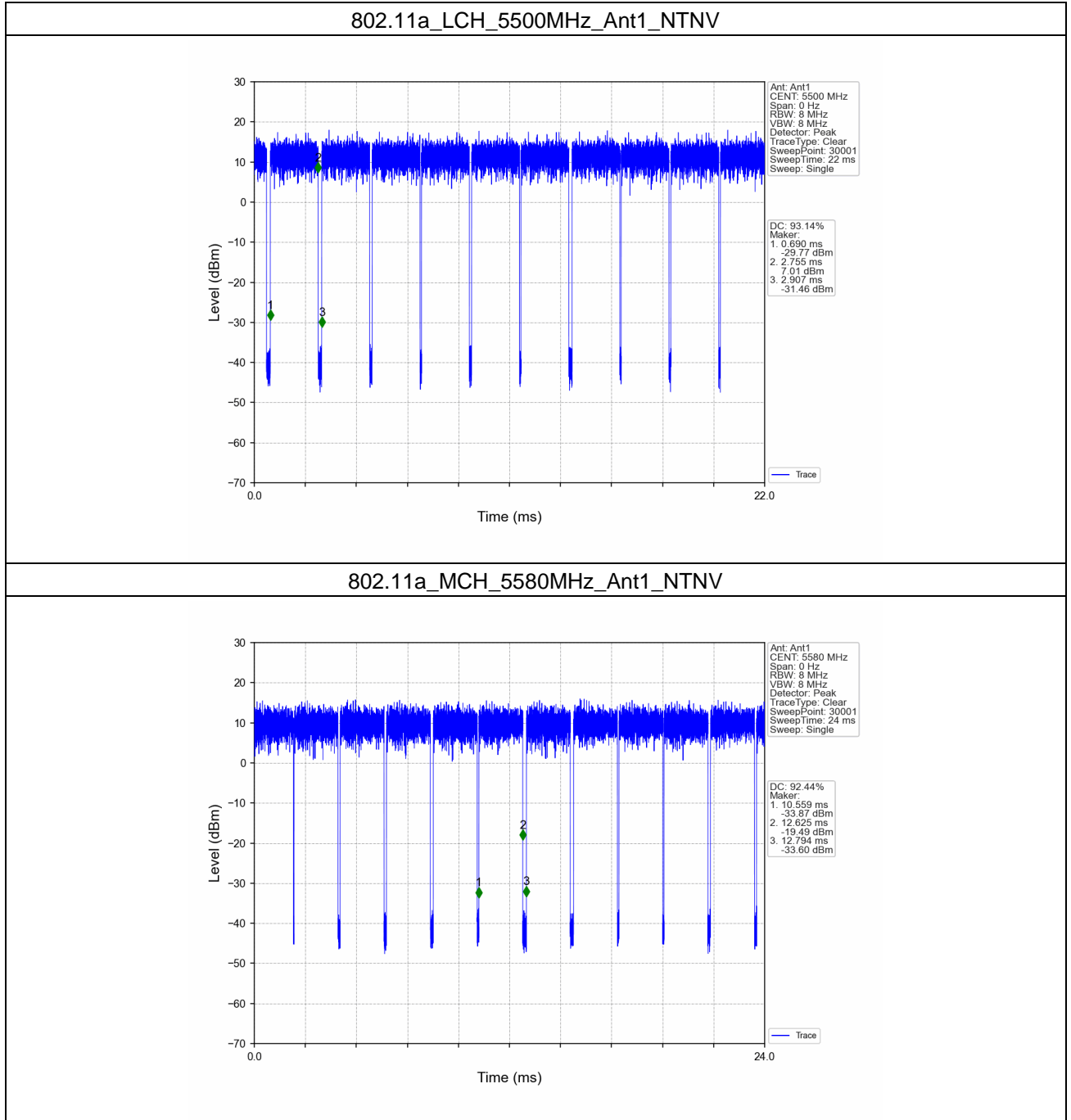
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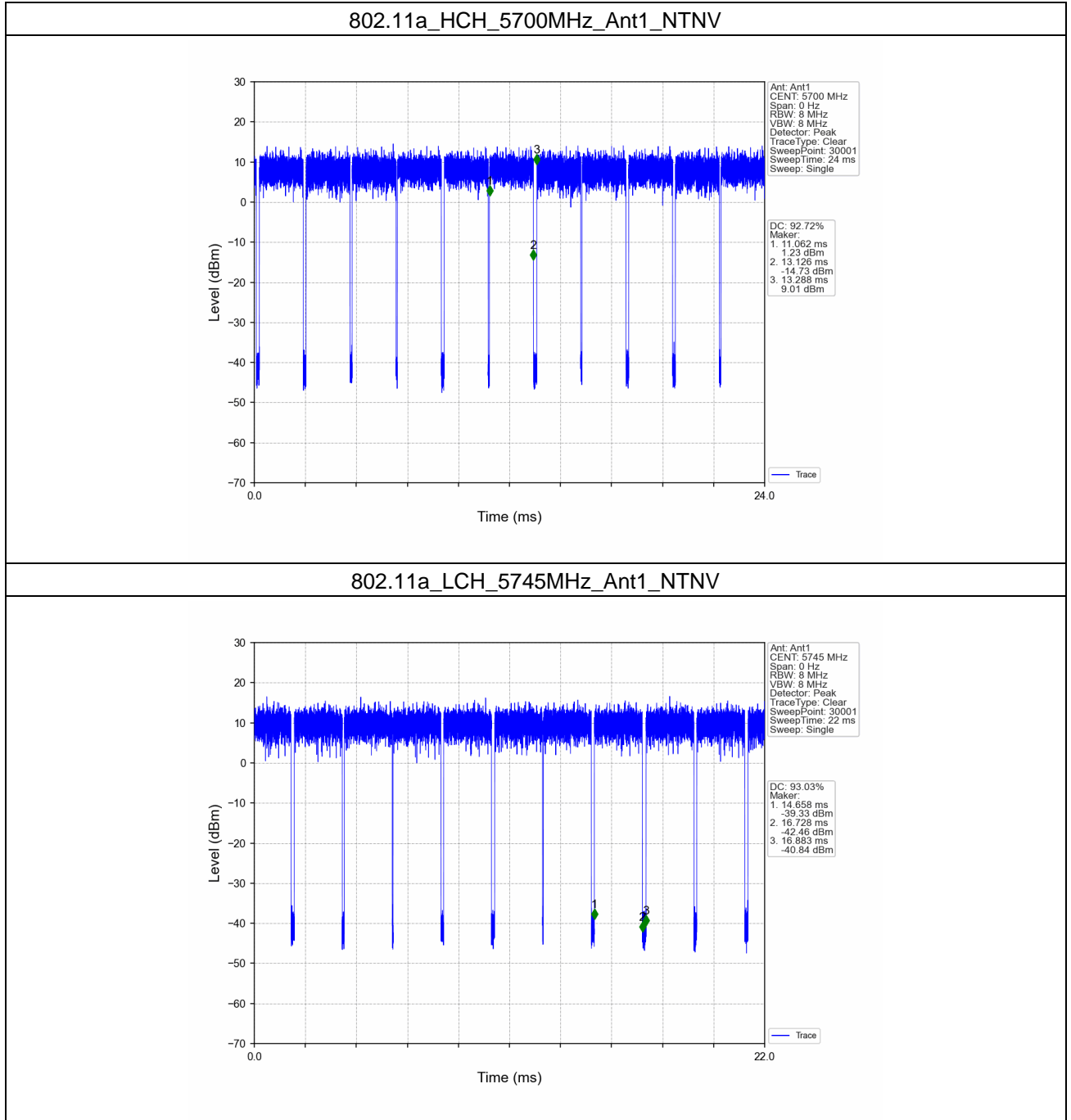


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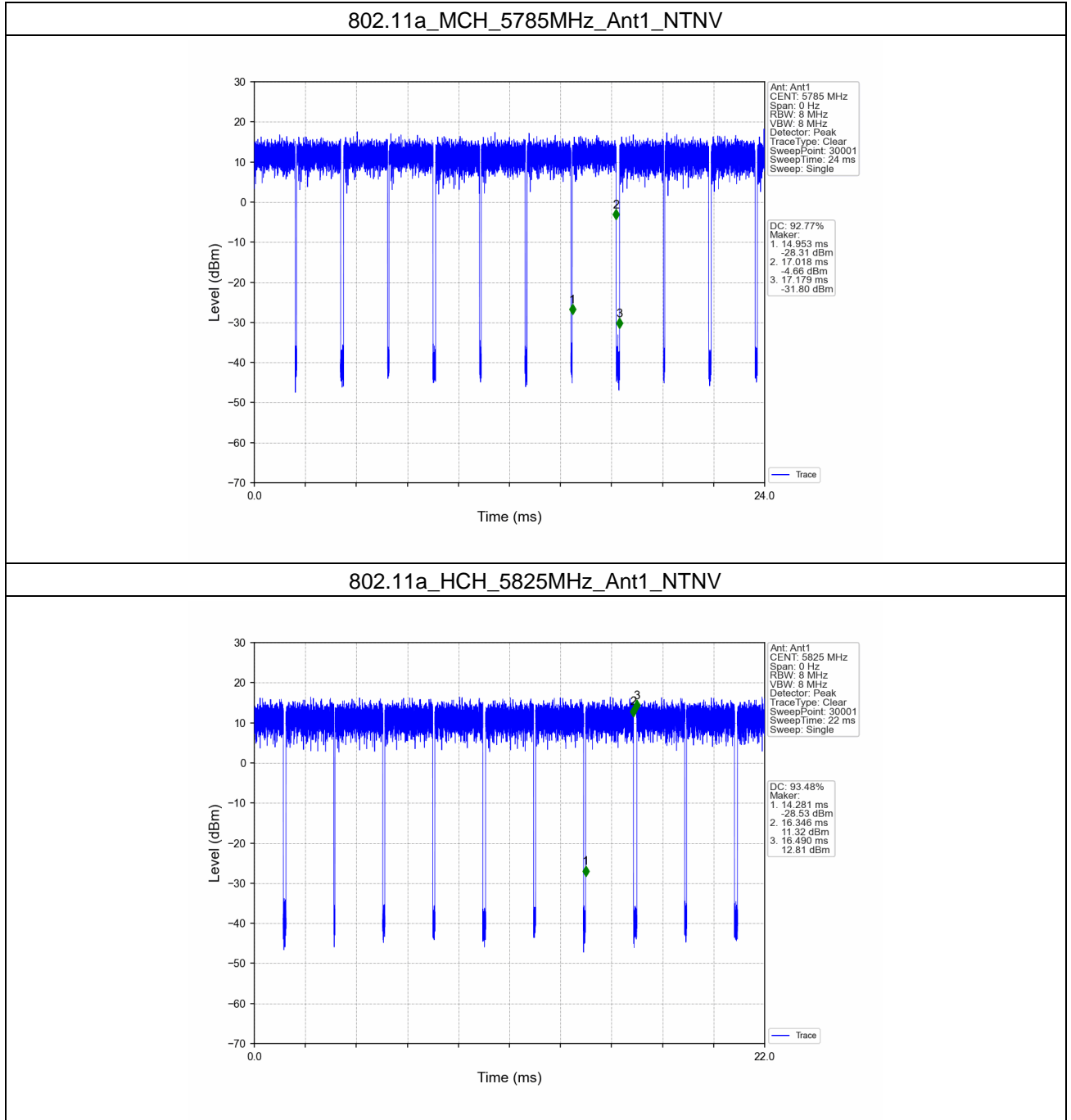
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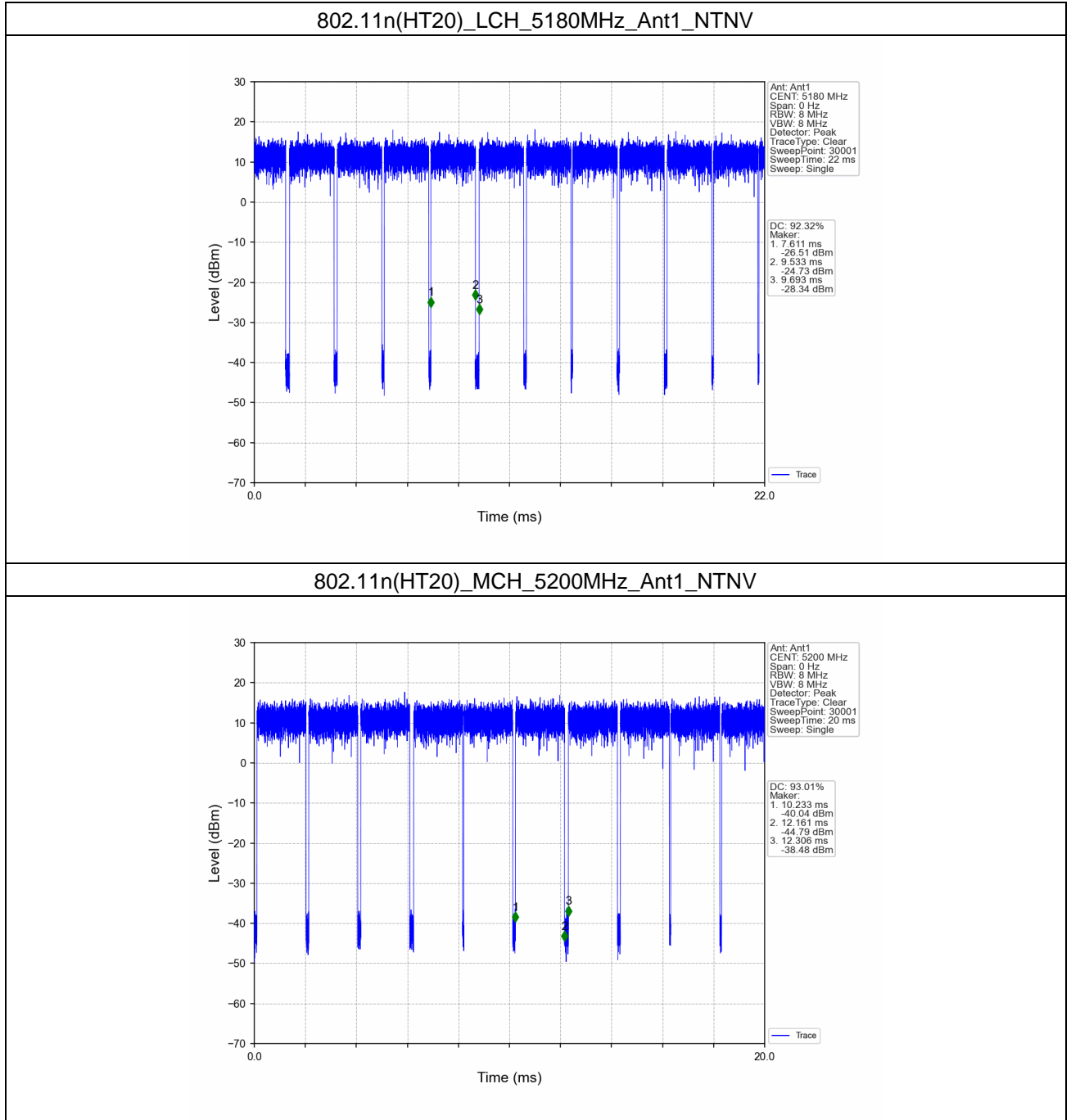
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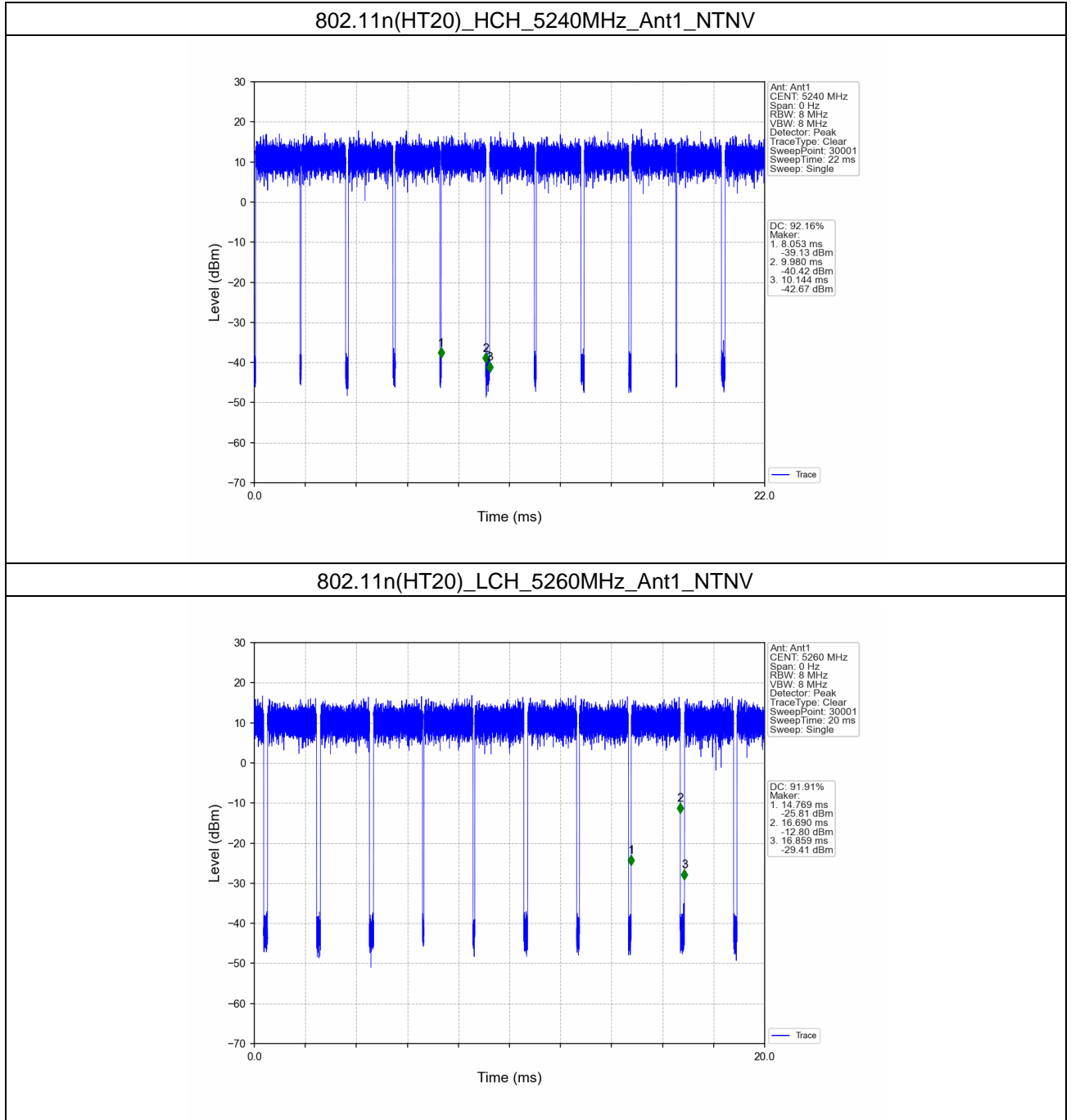
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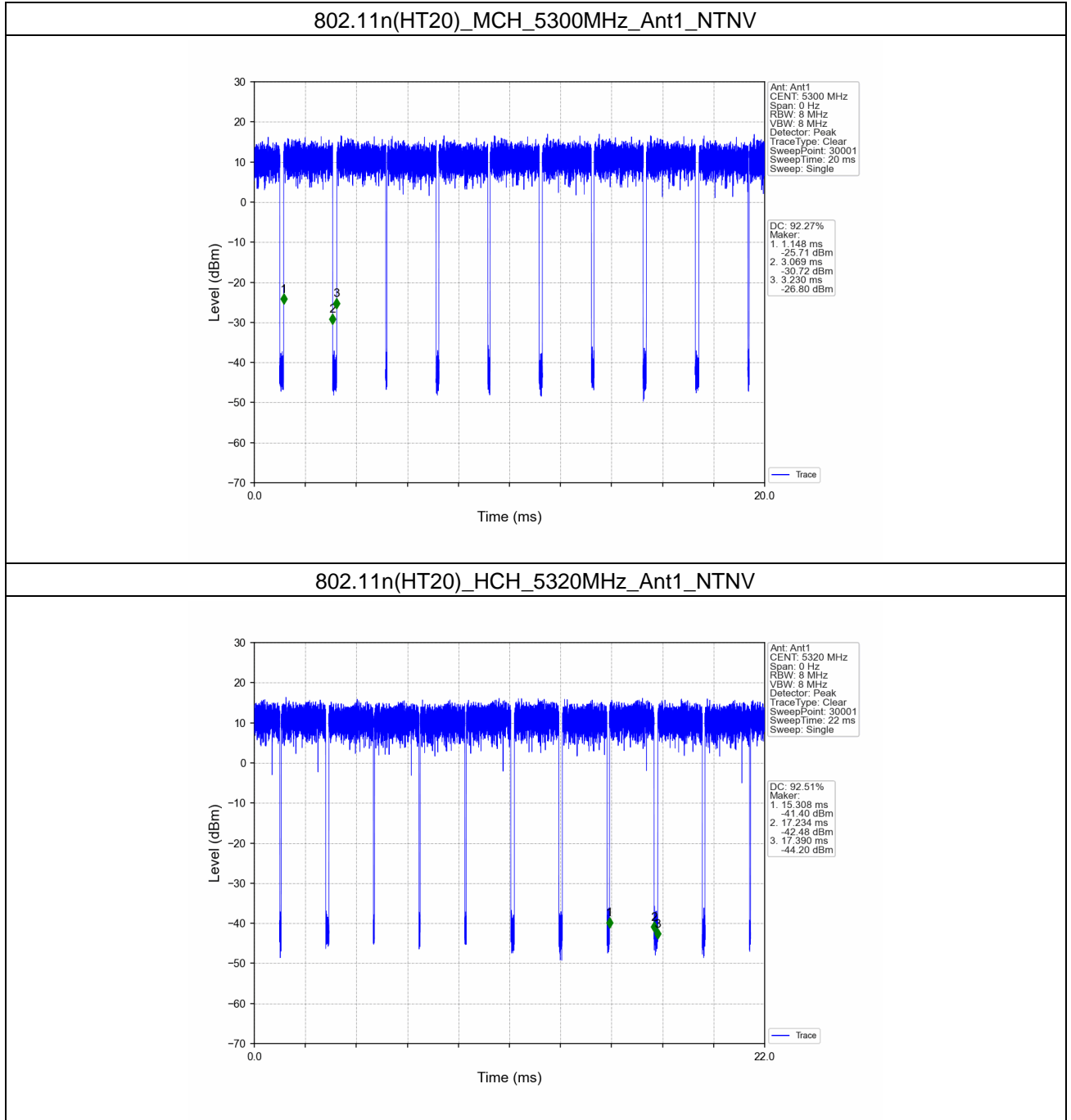
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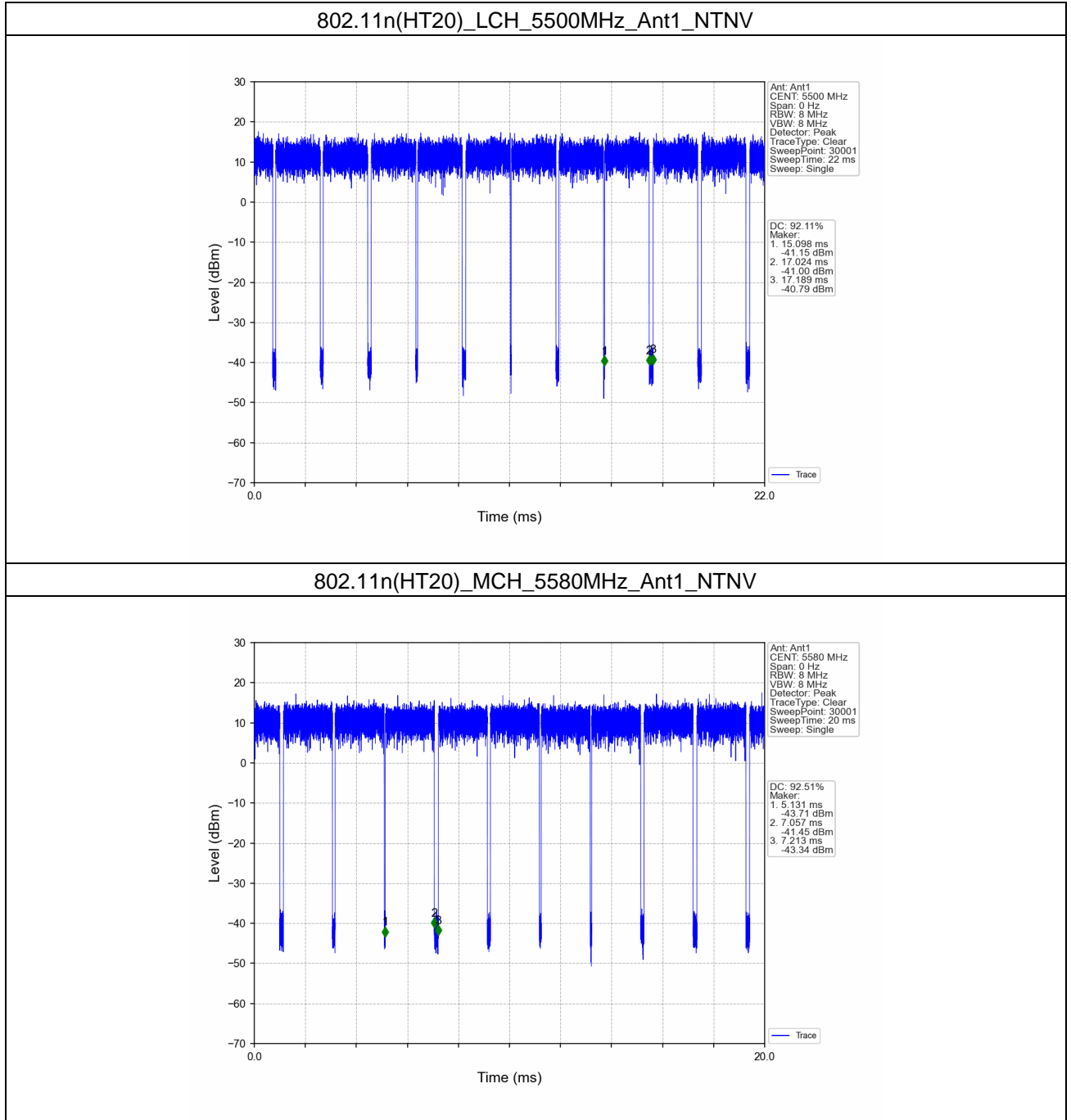
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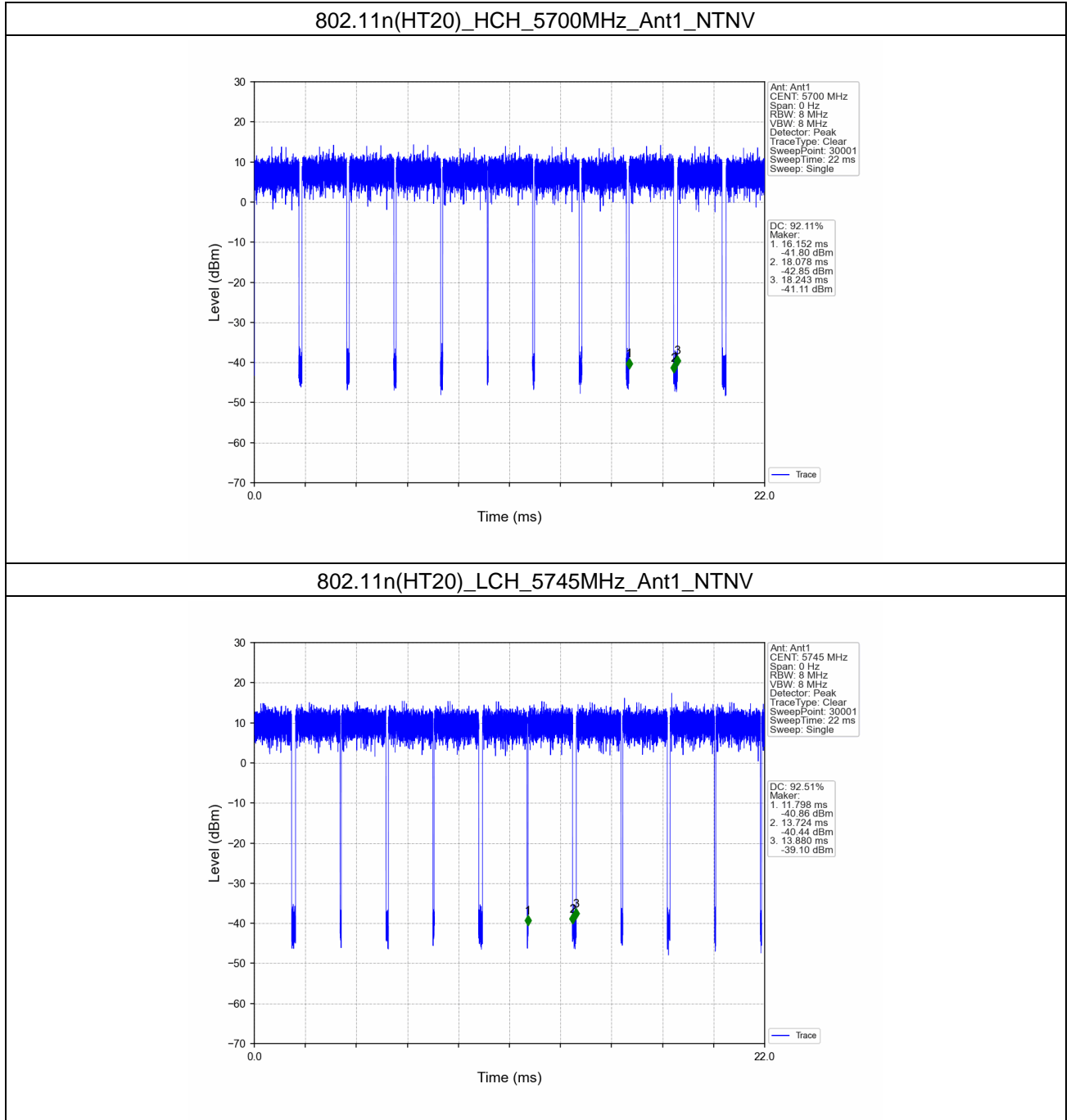


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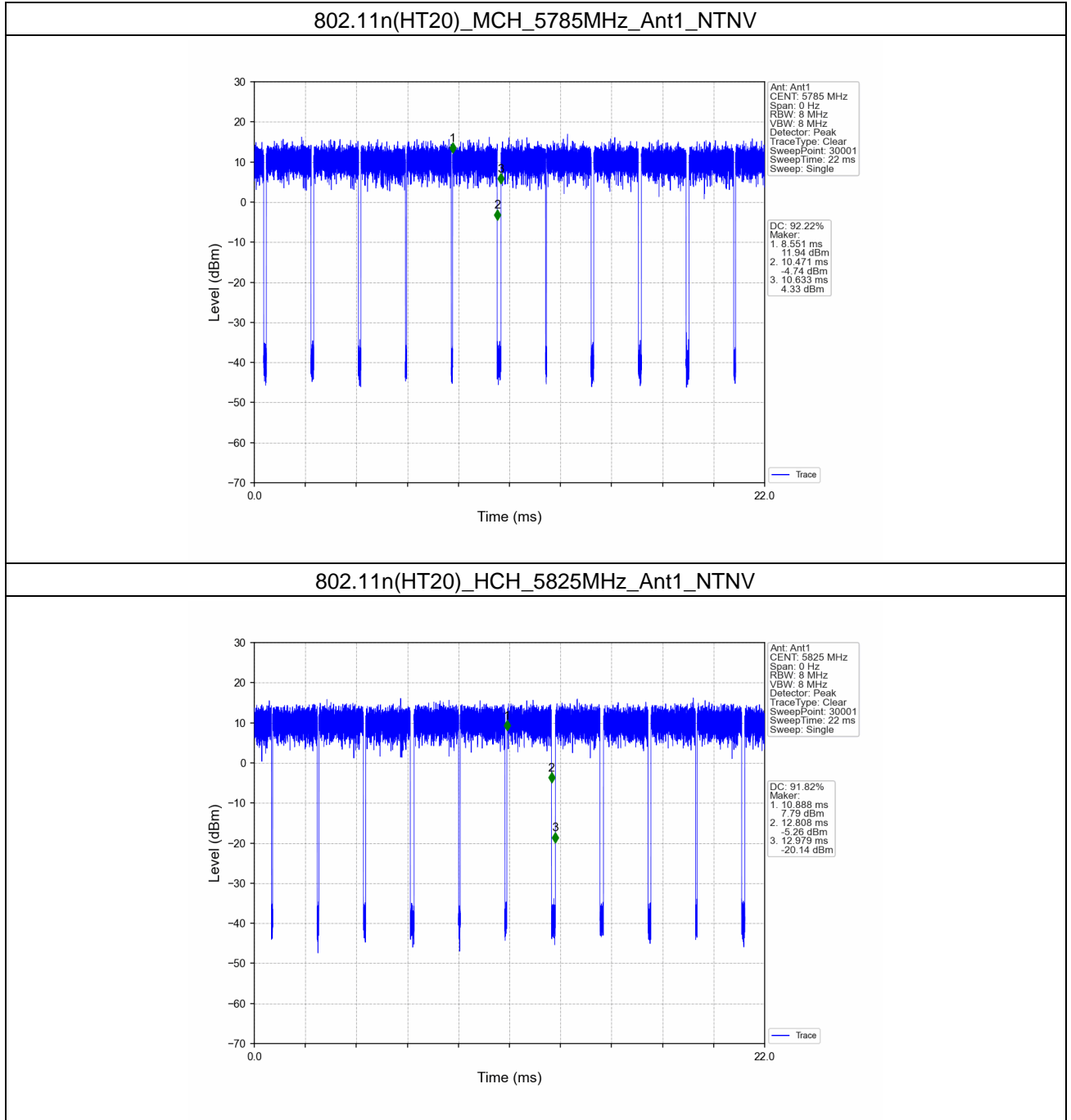


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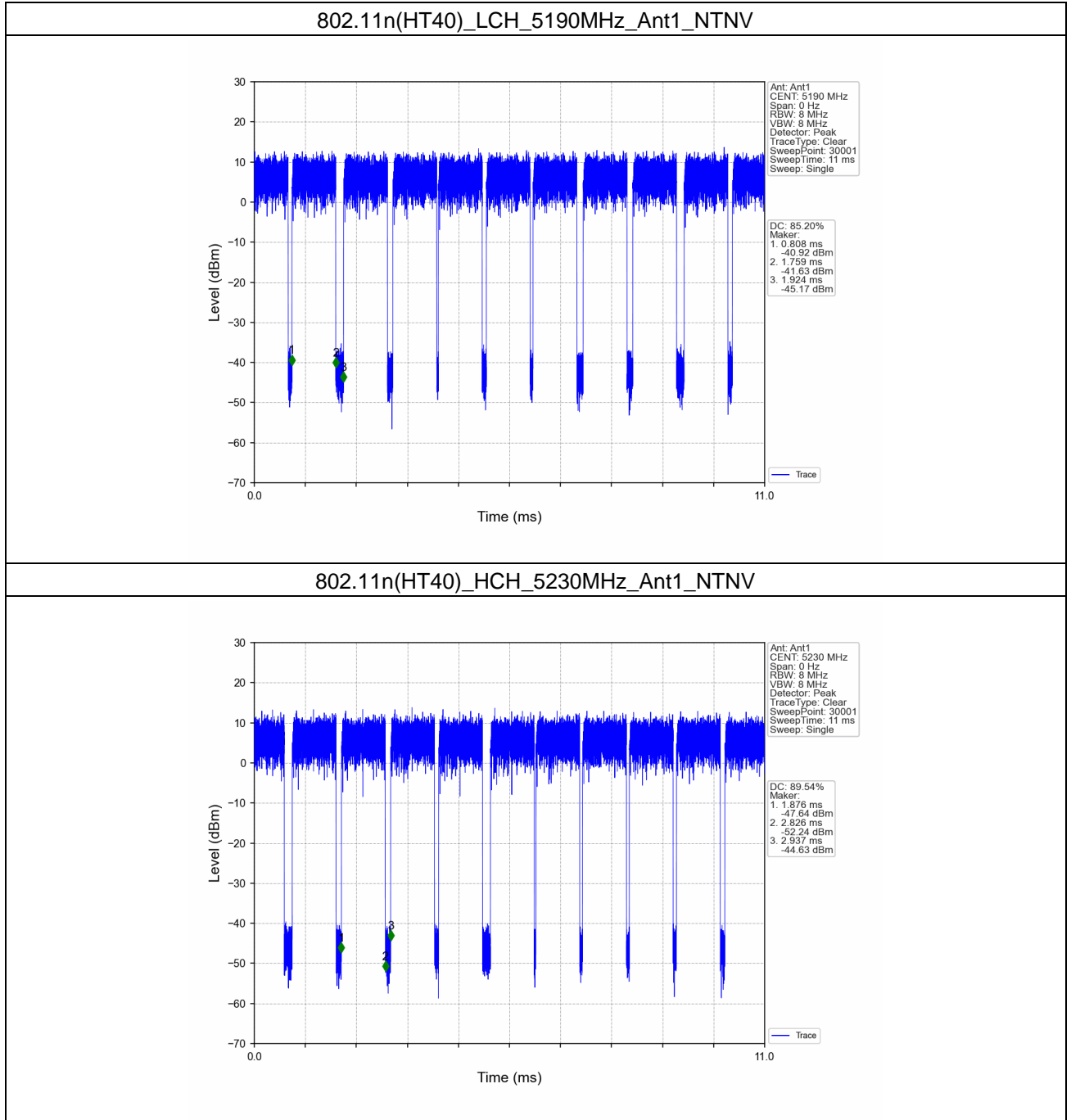


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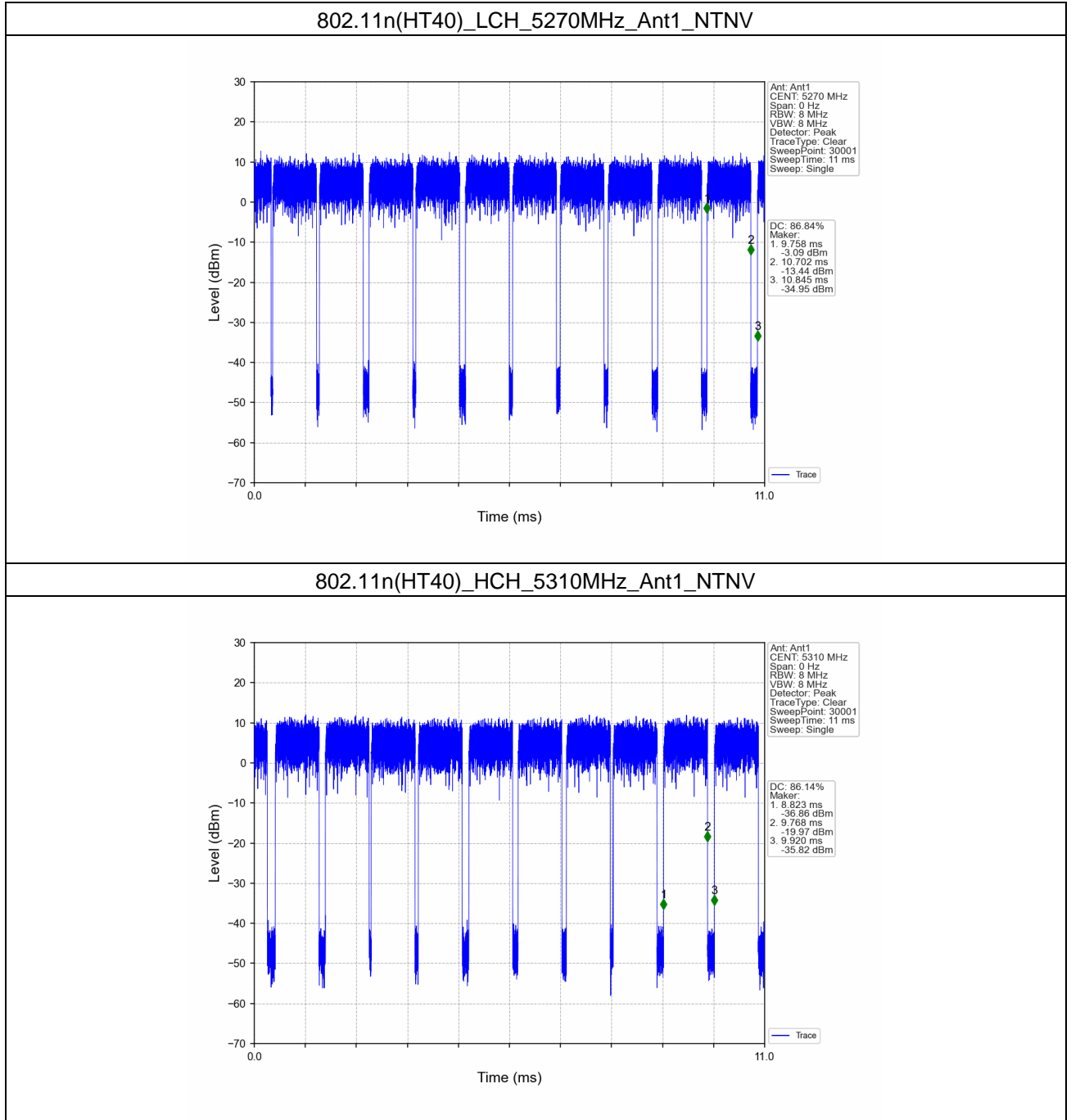


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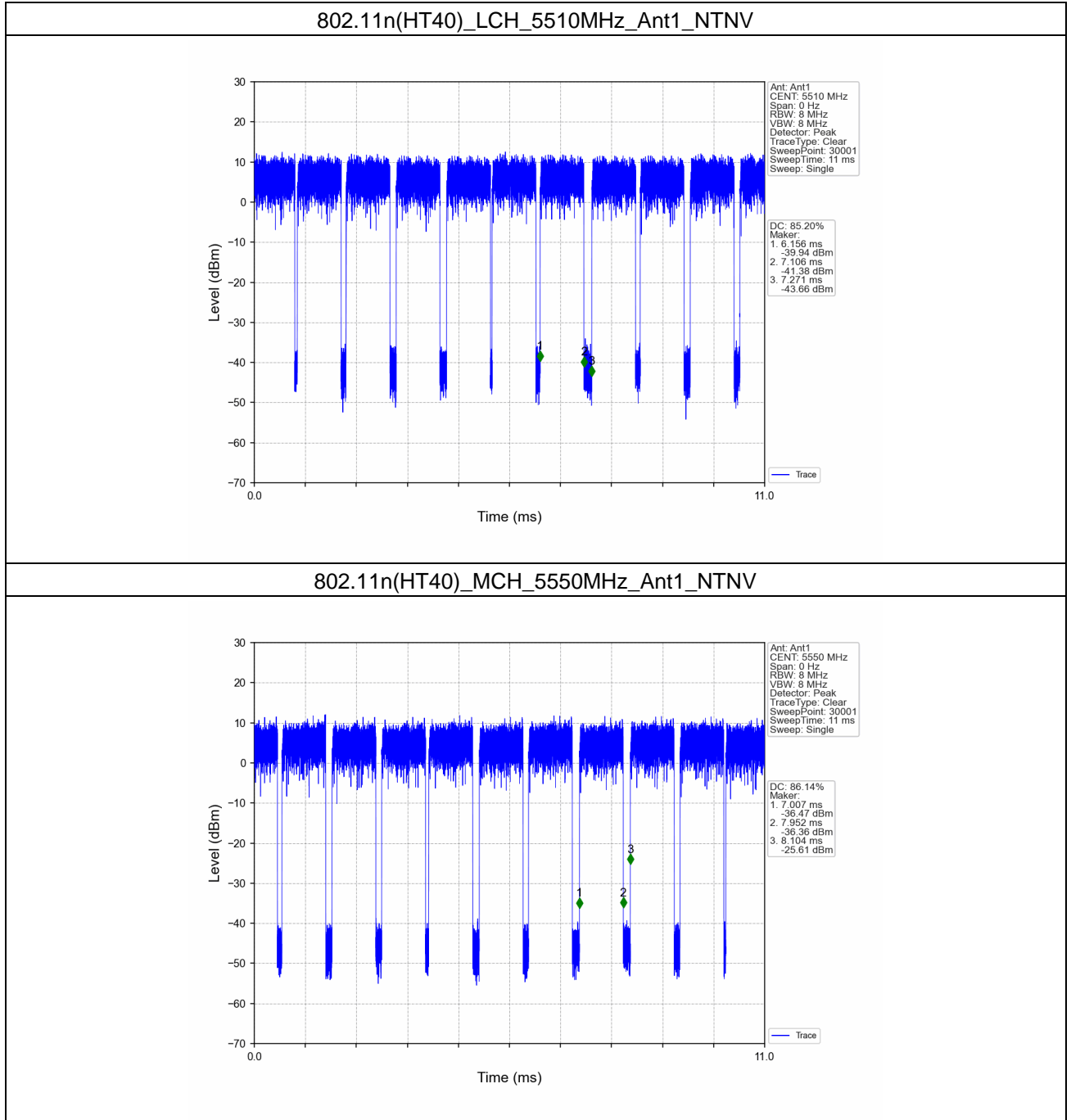
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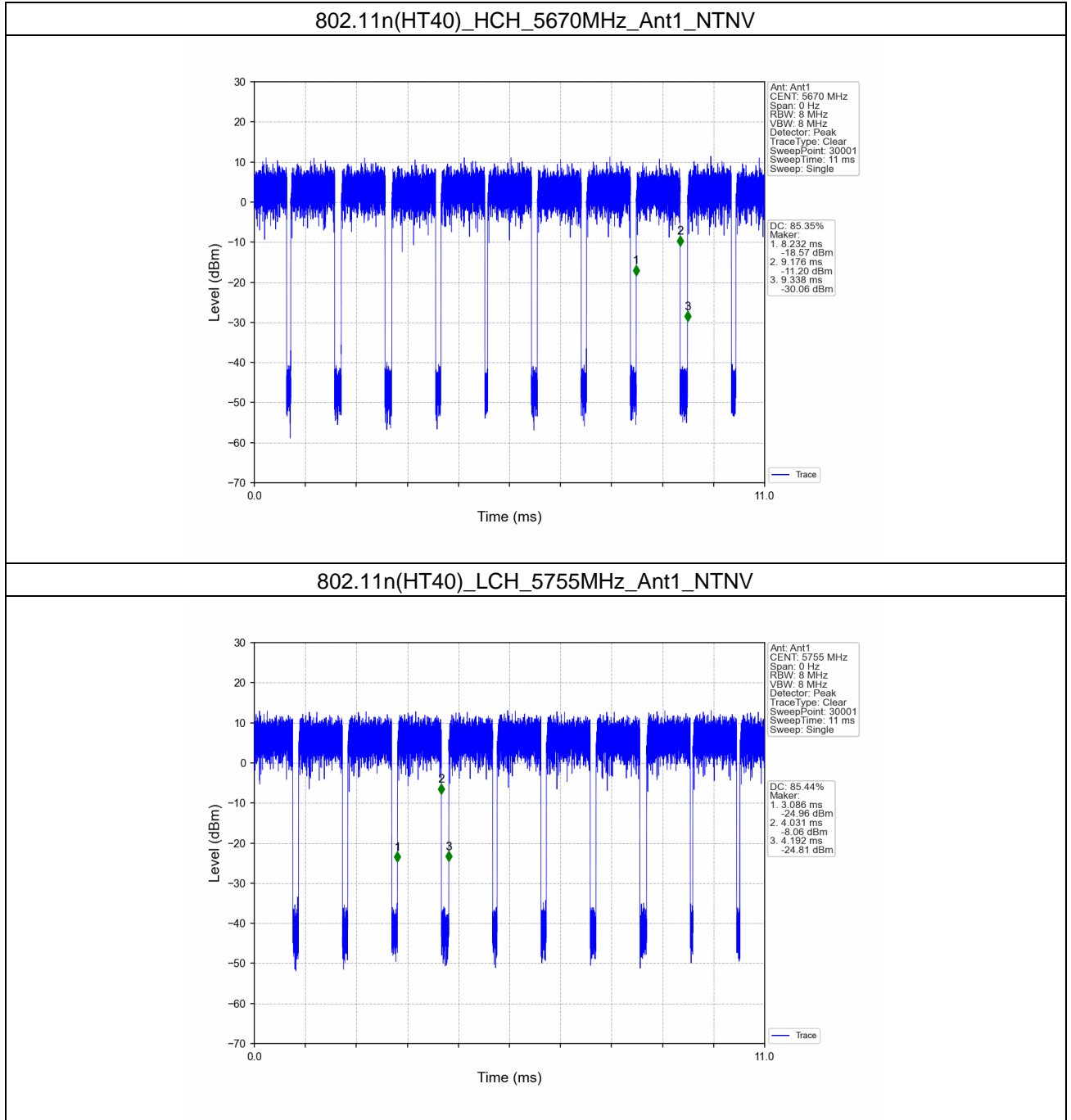
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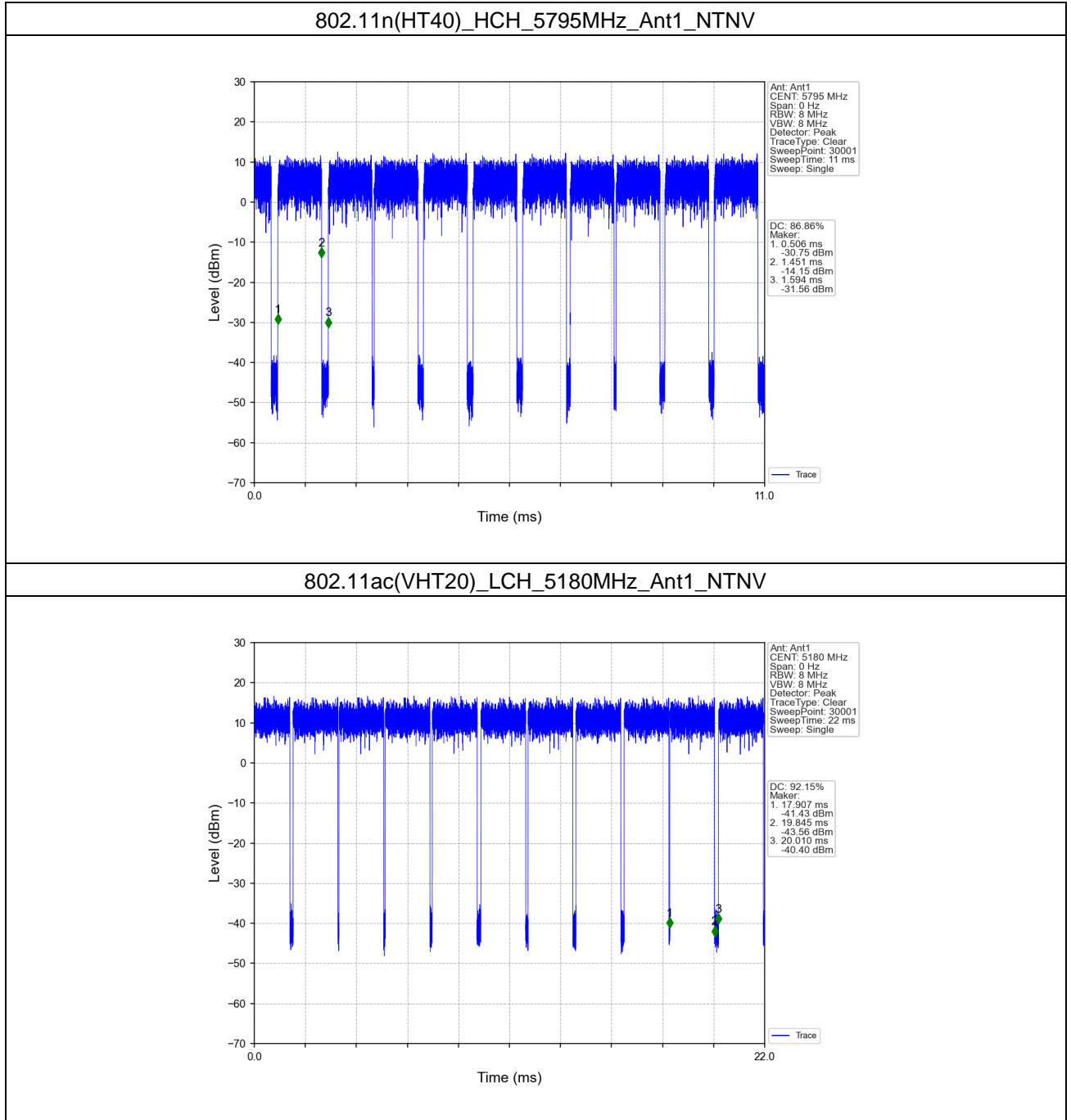
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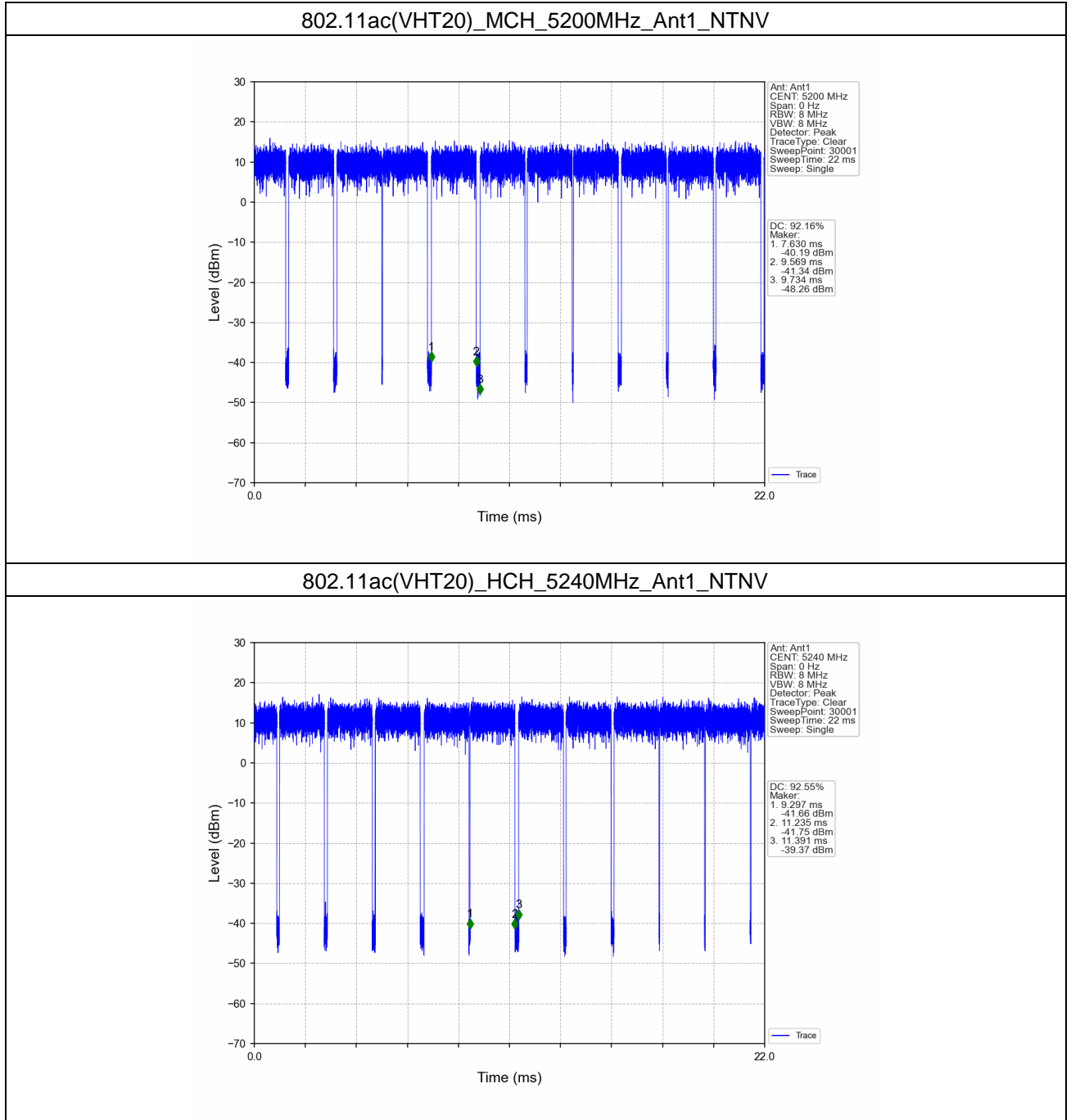


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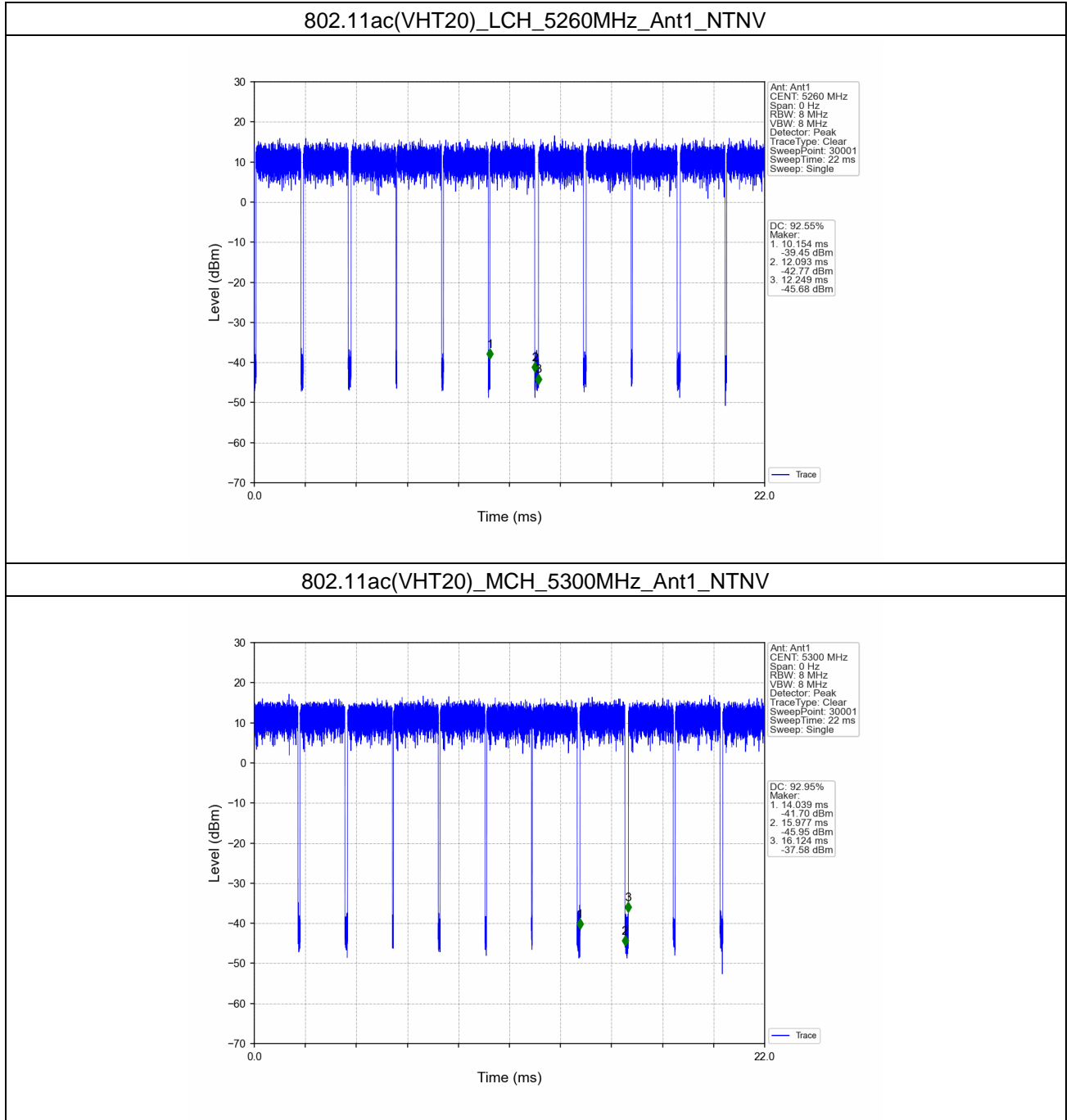


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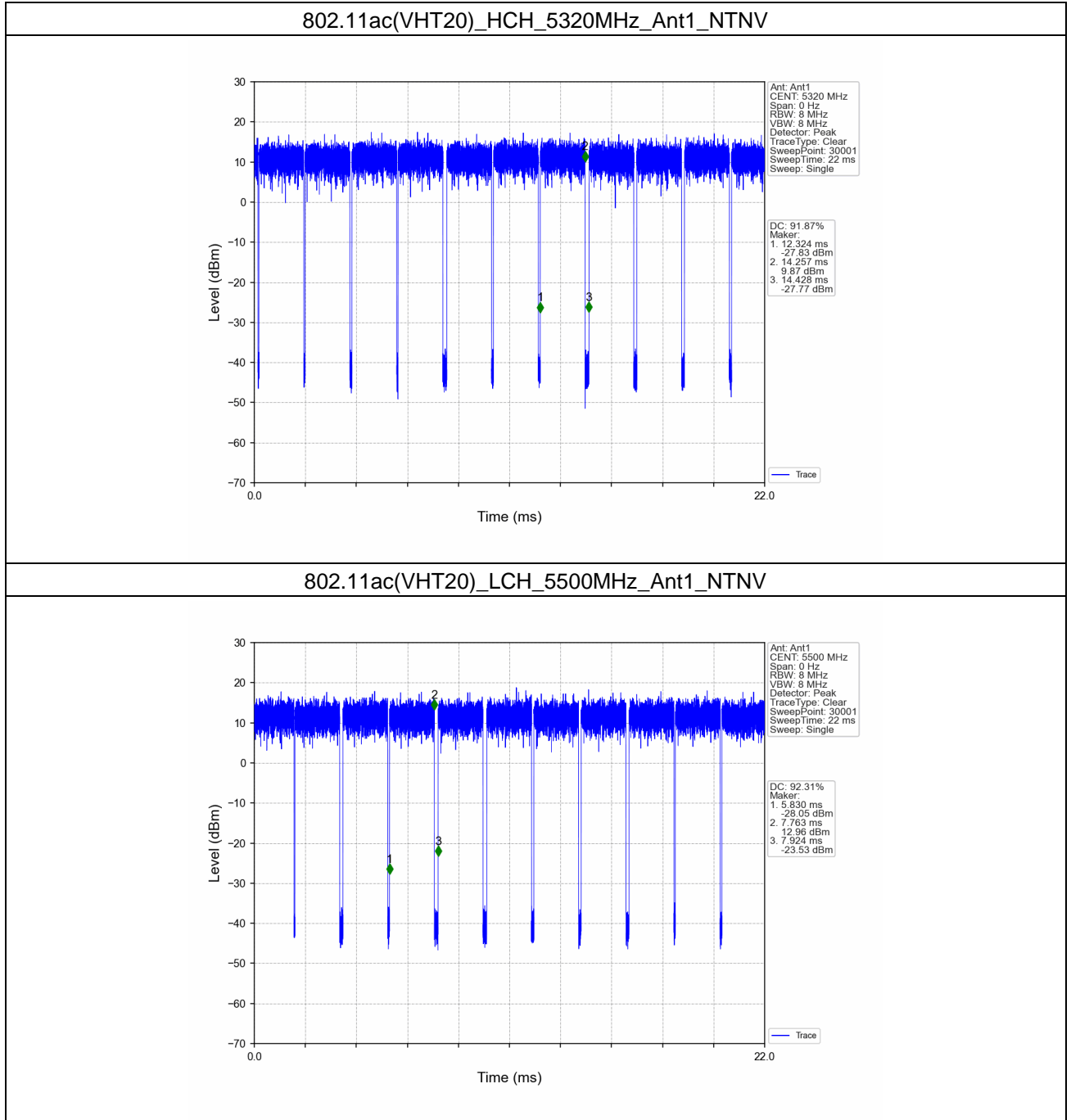


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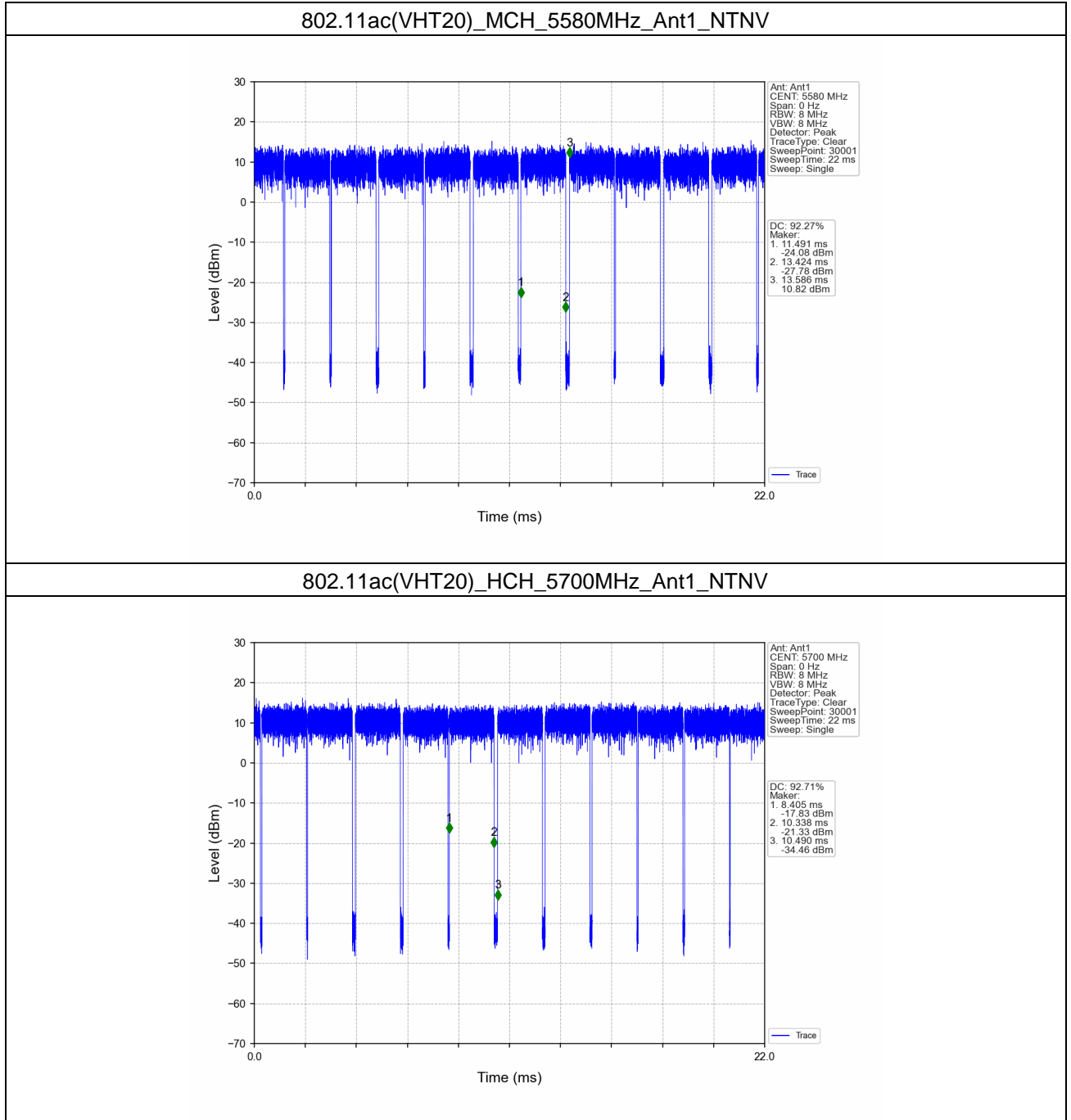


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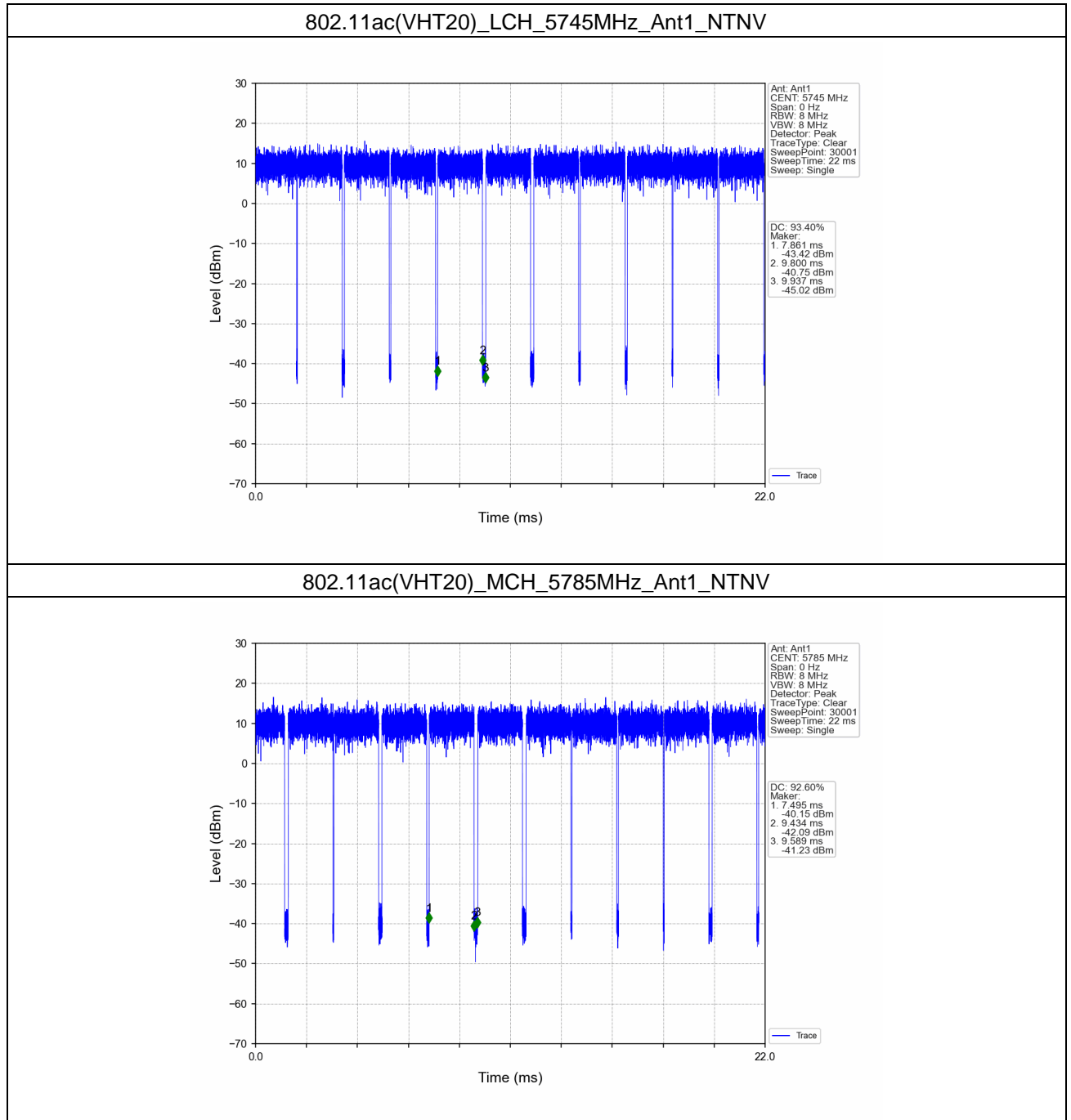


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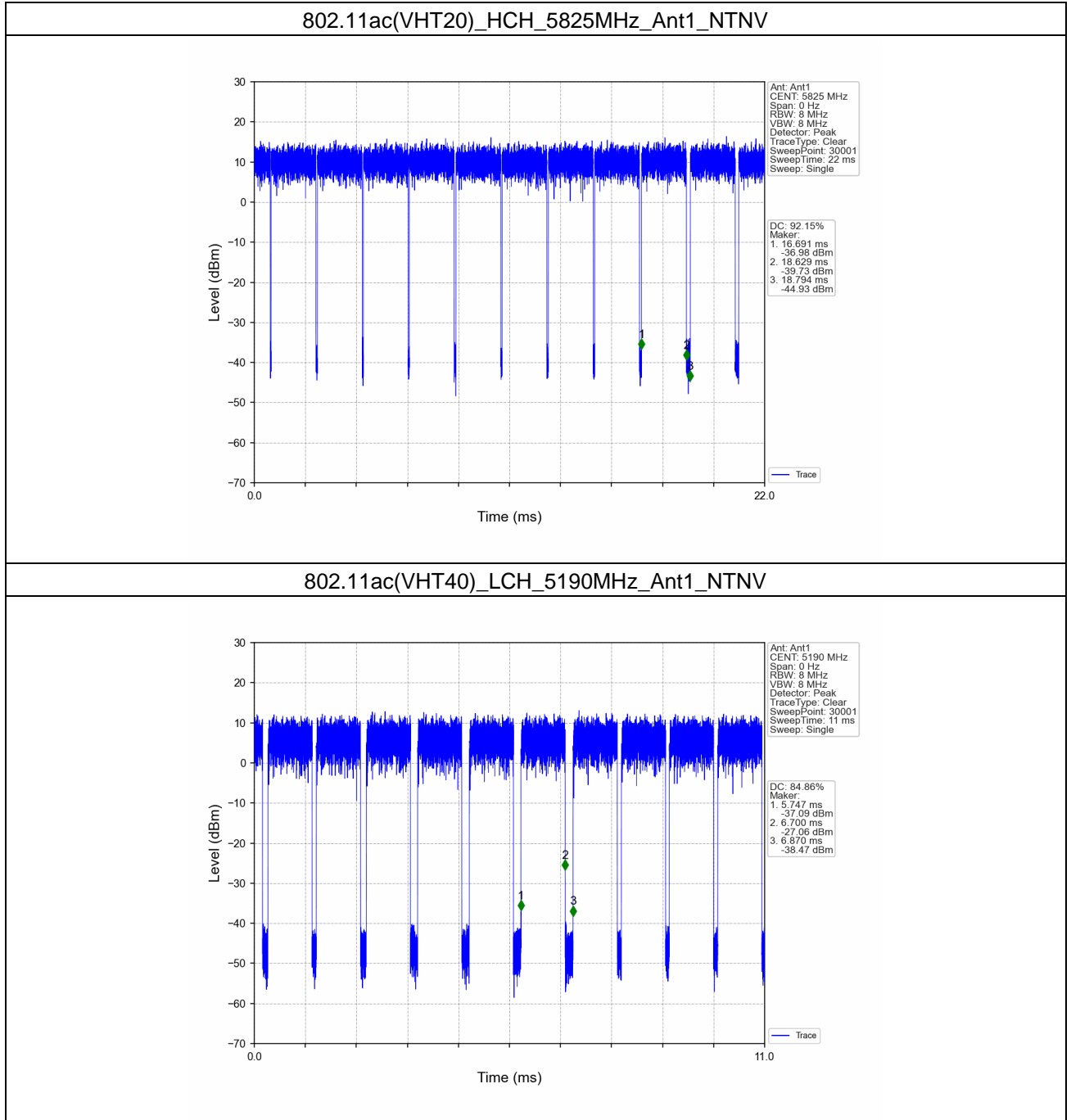
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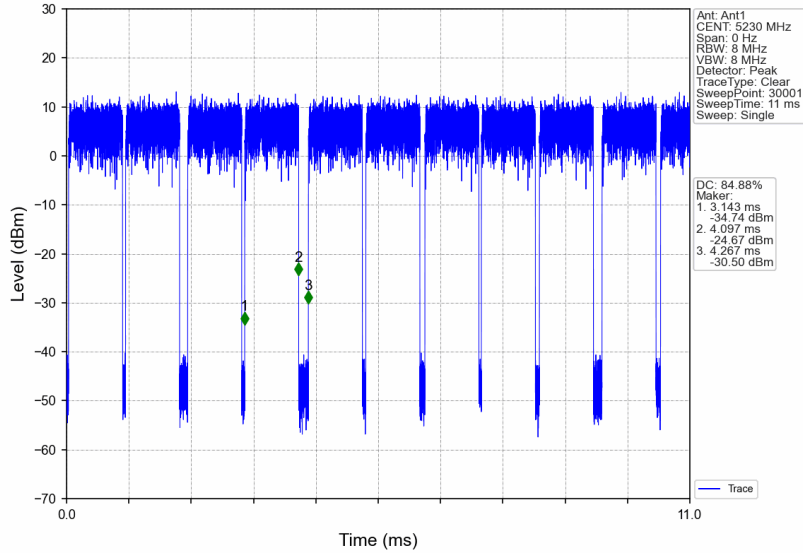
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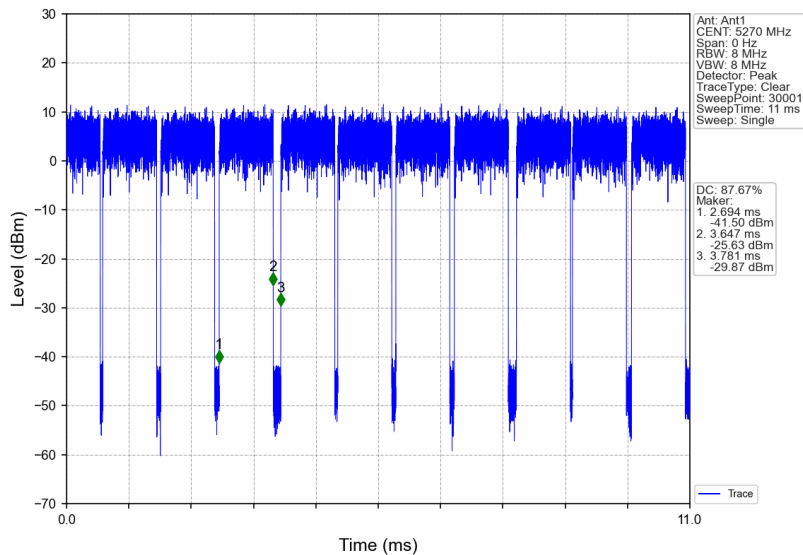
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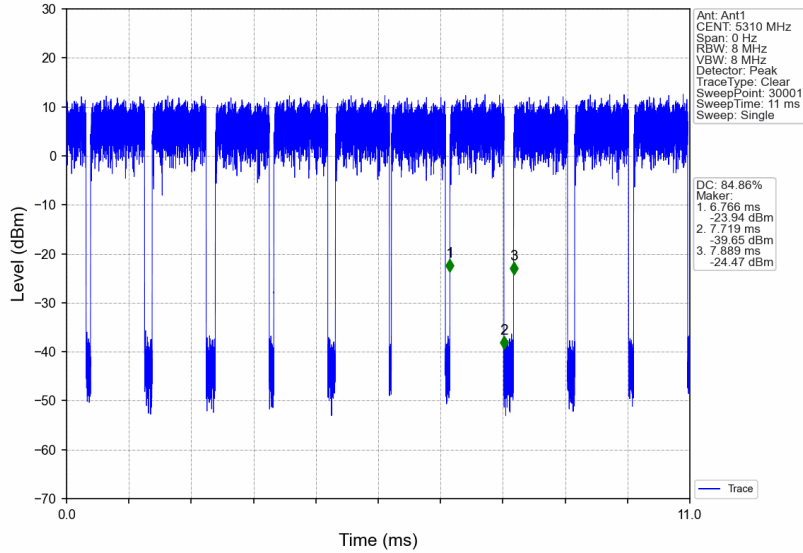
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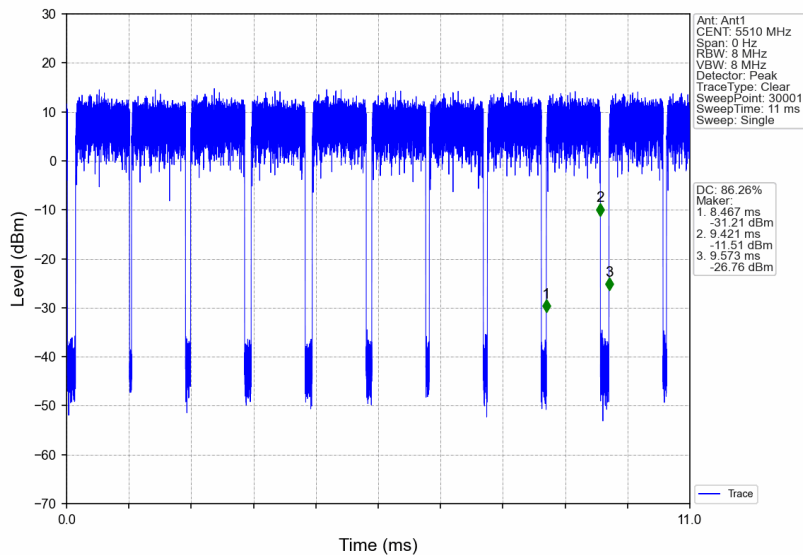
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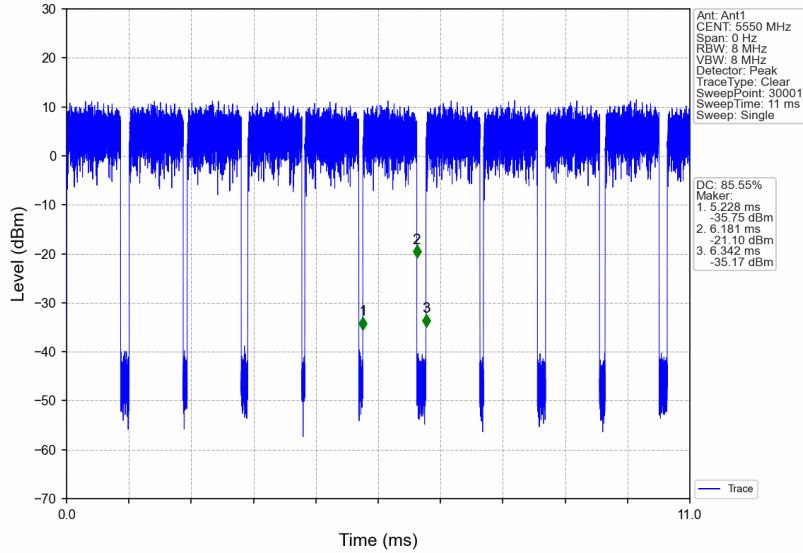
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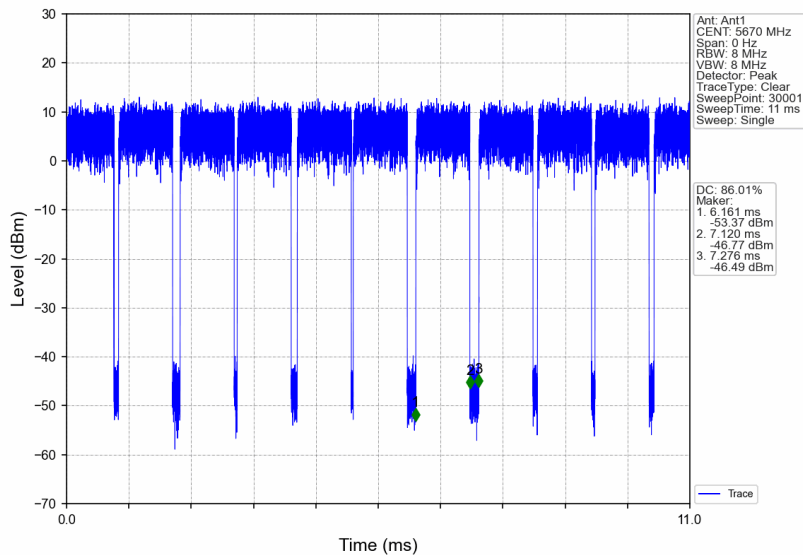
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802.11ac(VHT40)\_MCH\_5550MHz\_Ant1\_NTNV



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



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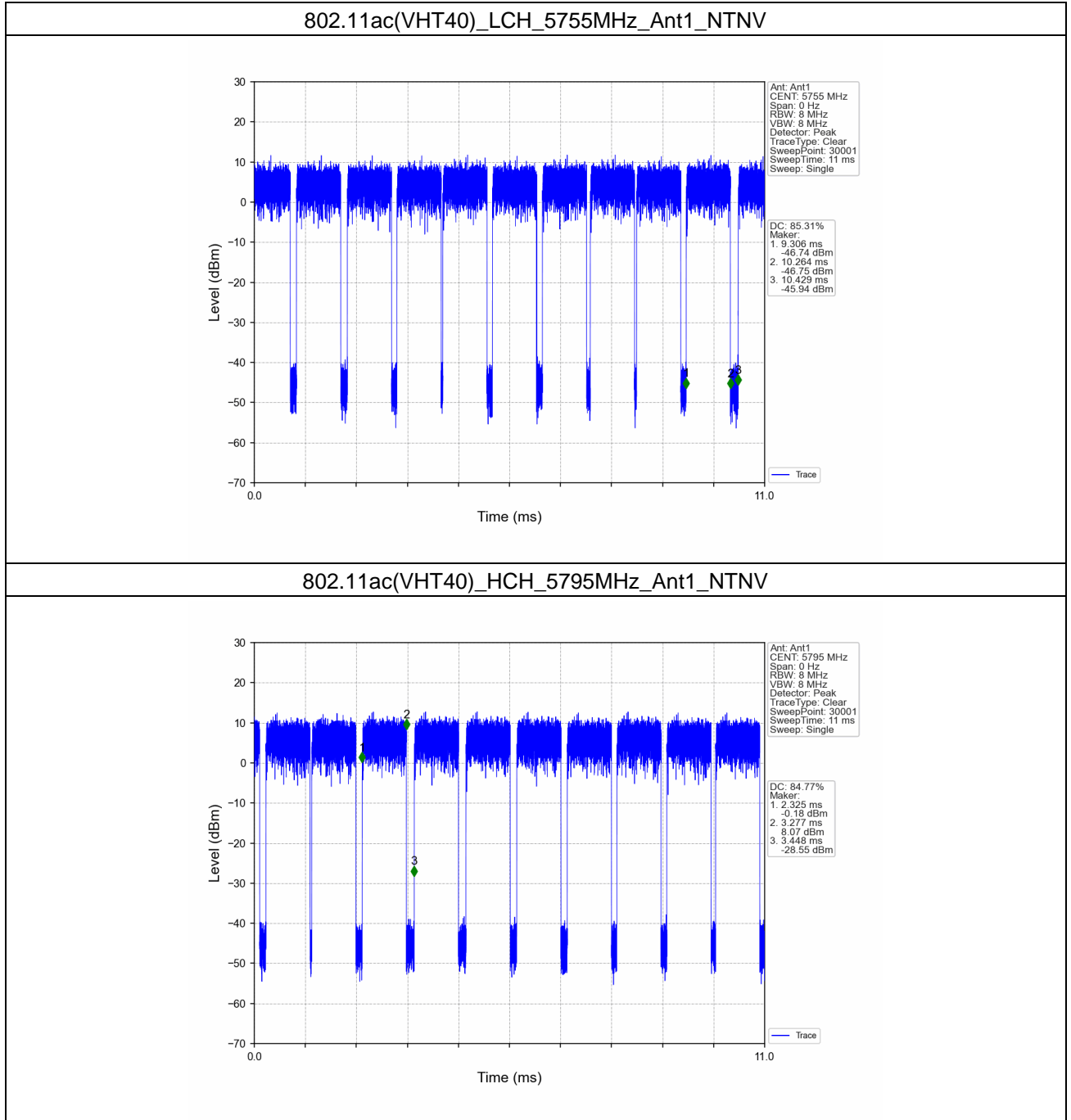
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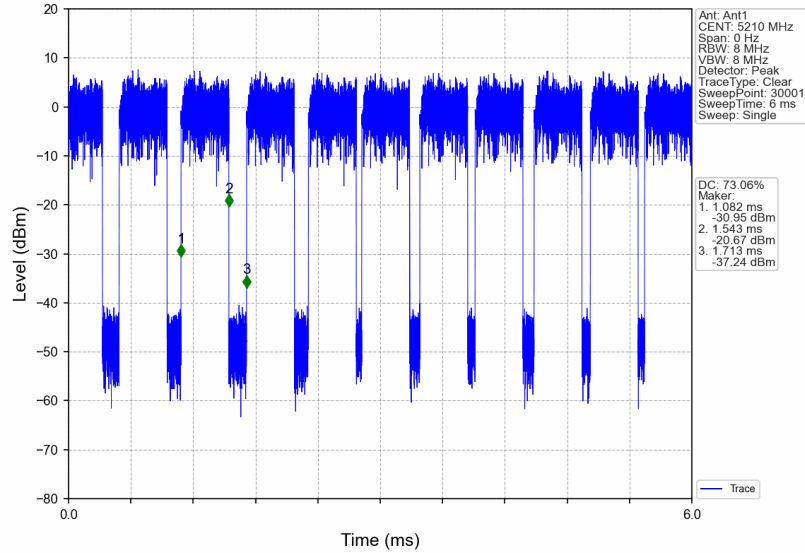
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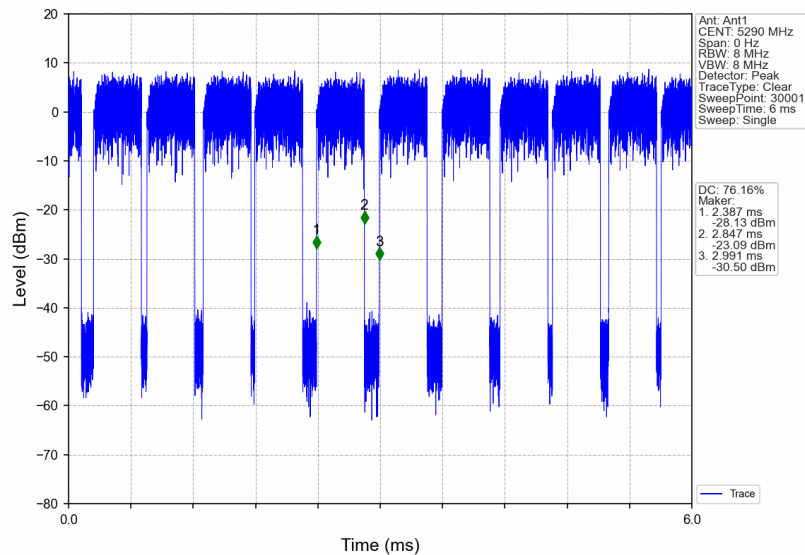
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802.11ac(VHT80)\_MCH\_5210MHz\_Ant1\_NTNV



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



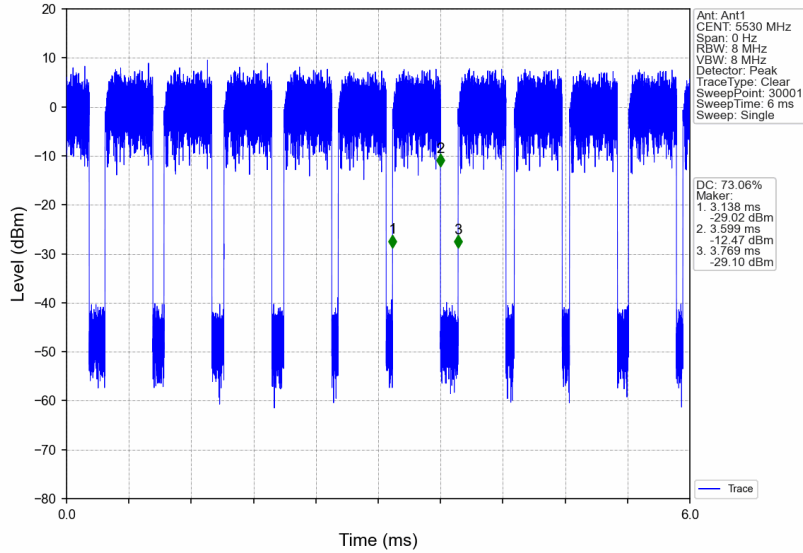
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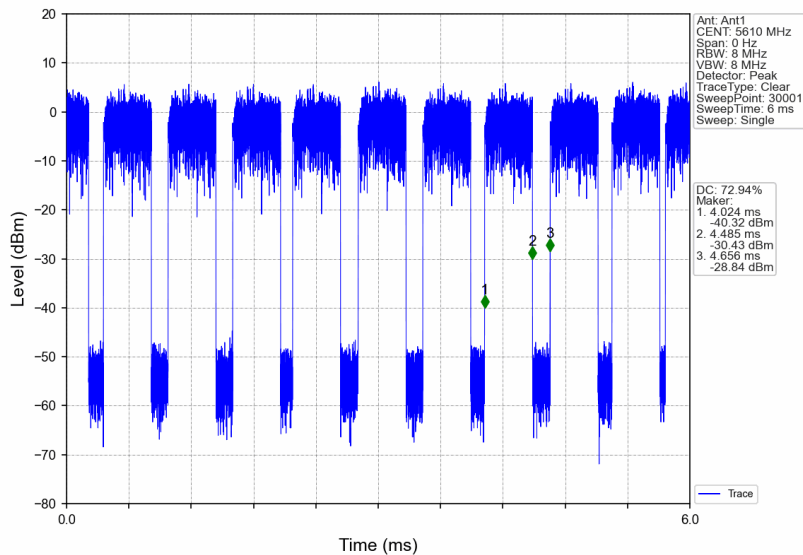
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802.11ac(VHT80)\_LCH\_5530MHz\_Ant1\_NTNV

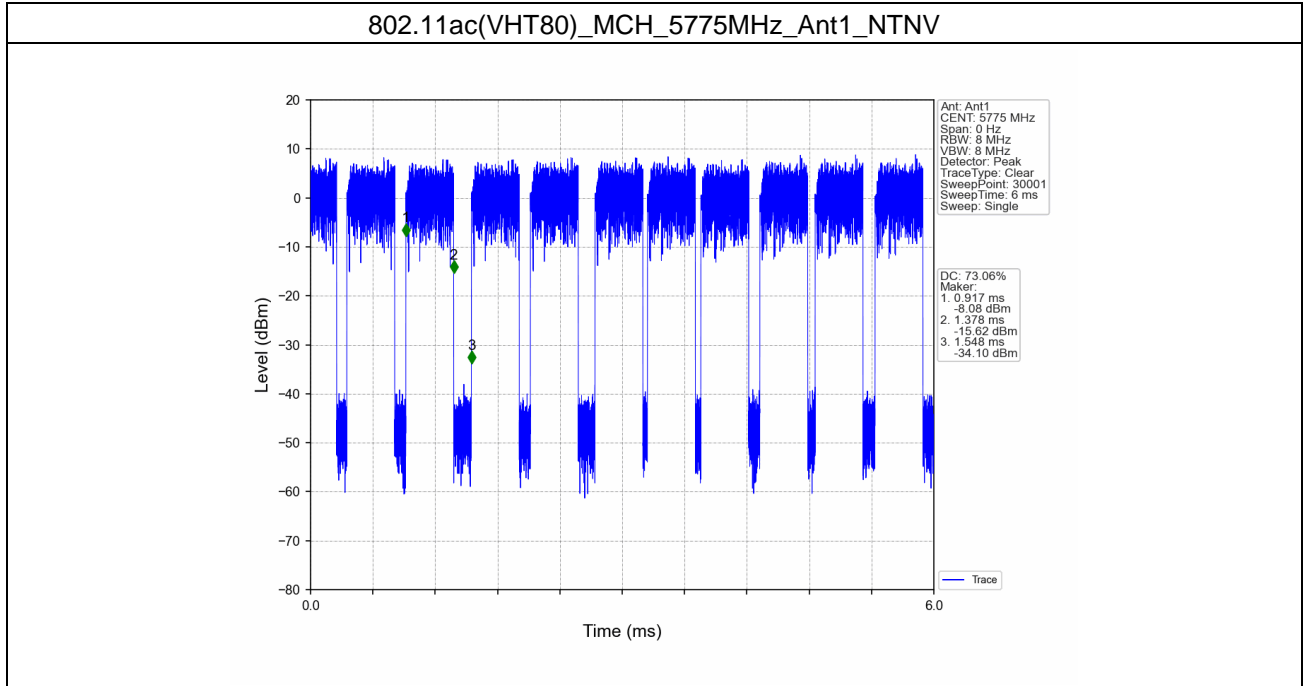


802.11ac(VHT80)\_HCH\_5610MHz\_Ant1\_NTNV



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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	17.483	Pass
			2	17.581	Pass
		5200	1	17.750	Pass
			2	18.053	Pass
		5240	1	17.554	Pass
			2	18.756	Pass
		5260	1	17.599	Pass
			2	18.134	Pass
		5300	1	17.547	Pass
			2	19.490	Pass
		5320	1	17.564	Pass
			2	19.302	Pass
		5500	1	17.409	Pass
			2	18.046	Pass
		5580	1	17.604	Pass
			2	17.900	Pass
		5700	1	17.519	Pass
			2	17.845	Pass
		5745	1	17.779	Pass
			2	20.540	Pass
5785	1	17.899	Pass		
	2	19.241	Pass		
5825	1	17.873	Pass		
	2	18.738	Pass		
802.11n (HT20)	MIMO	5180	1	18.664	Pass
			2	19.080	Pass
		5200	1	18.658	Pass
			2	19.040	Pass
		5240	1	18.457	Pass
			2	19.135	Pass
		5260	1	18.516	Pass



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		5300	2	19.068	Pass		
			1	18.339	Pass		
		5320	2	18.916	Pass		
			1	18.532	Pass		
		5500	2	19.196	Pass		
			1	18.362	Pass		
		5580	2	18.674	Pass		
			1	18.491	Pass		
		5700	2	18.353	Pass		
			1	18.421	Pass		
		5745	2	18.955	Pass		
			1	19.187	Pass		
		5785	2	18.749	Pass		
			1	18.911	Pass		
		5825	2	18.684	Pass		
			1	18.876	Pass		
		802.11n (HT40)	MIMO	5190	1	37.257	Pass
					2	37.846	Pass
5230	1			37.148	Pass		
	2			37.614	Pass		
5270	1			37.683	Pass		
	2			38.101	Pass		
5310	1			37.138	Pass		
	2			37.741	Pass		
5510	1			37.735	Pass		
	2			38.337	Pass		
5550	1			37.167	Pass		
	2			37.372	Pass		
5670	1			37.322	Pass		
	2			37.718	Pass		
5755	1			37.864	Pass		
	2			40.571	Pass		
5795	1			37.605	Pass		
	2			39.082	Pass		
802.11ac (VHT20)	MIMO	5180	1	18.630	Pass		
			2	19.106	Pass		
		5200	1	18.382	Pass		
			2	19.208	Pass		



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		5240	1	18.482	Pass
			2	19.003	Pass
		5260	1	18.462	Pass
			2	18.920	Pass
		5300	1	18.412	Pass
			2	18.850	Pass
		5320	1	18.508	Pass
			2	18.886	Pass
		5500	1	18.523	Pass
			2	18.886	Pass
		5580	1	18.333	Pass
			2	18.792	Pass
		5700	1	18.849	Pass
			2	18.838	Pass
		5745	1	18.839	Pass
			2	19.009	Pass
		5785	1	18.482	Pass
			2	18.638	Pass
5825	1	18.792	Pass		
	2	18.936	Pass		
802.11ac (VHT40)	MIMO	5190	1	37.419	Pass
			2	37.915	Pass
		5230	1	37.314	Pass
			2	37.728	Pass
		5270	1	37.515	Pass
			2	38.304	Pass
		5310	1	37.077	Pass
			2	37.925	Pass
		5510	1	37.482	Pass
			2	38.038	Pass
		5550	1	37.318	Pass
			2	37.656	Pass
		5670	1	37.571	Pass
			2	38.581	Pass
		5755	1	37.545	Pass
			2	38.564	Pass
		5795	1	38.069	Pass
			2	39.161	Pass
802.11ac	MIMO	5210	1	76.754	Pass



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Report No.: KSCR221000189202

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(VHT80)			2	77.613	Pass
		5290	1	76.704	Pass
			2	78.688	Pass
		5530	1	76.880	Pass
			2	77.628	Pass
		5610	1	76.207	Pass
			2	77.084	Pass
		5775	1	77.271	Pass
			2	79.248	Pass

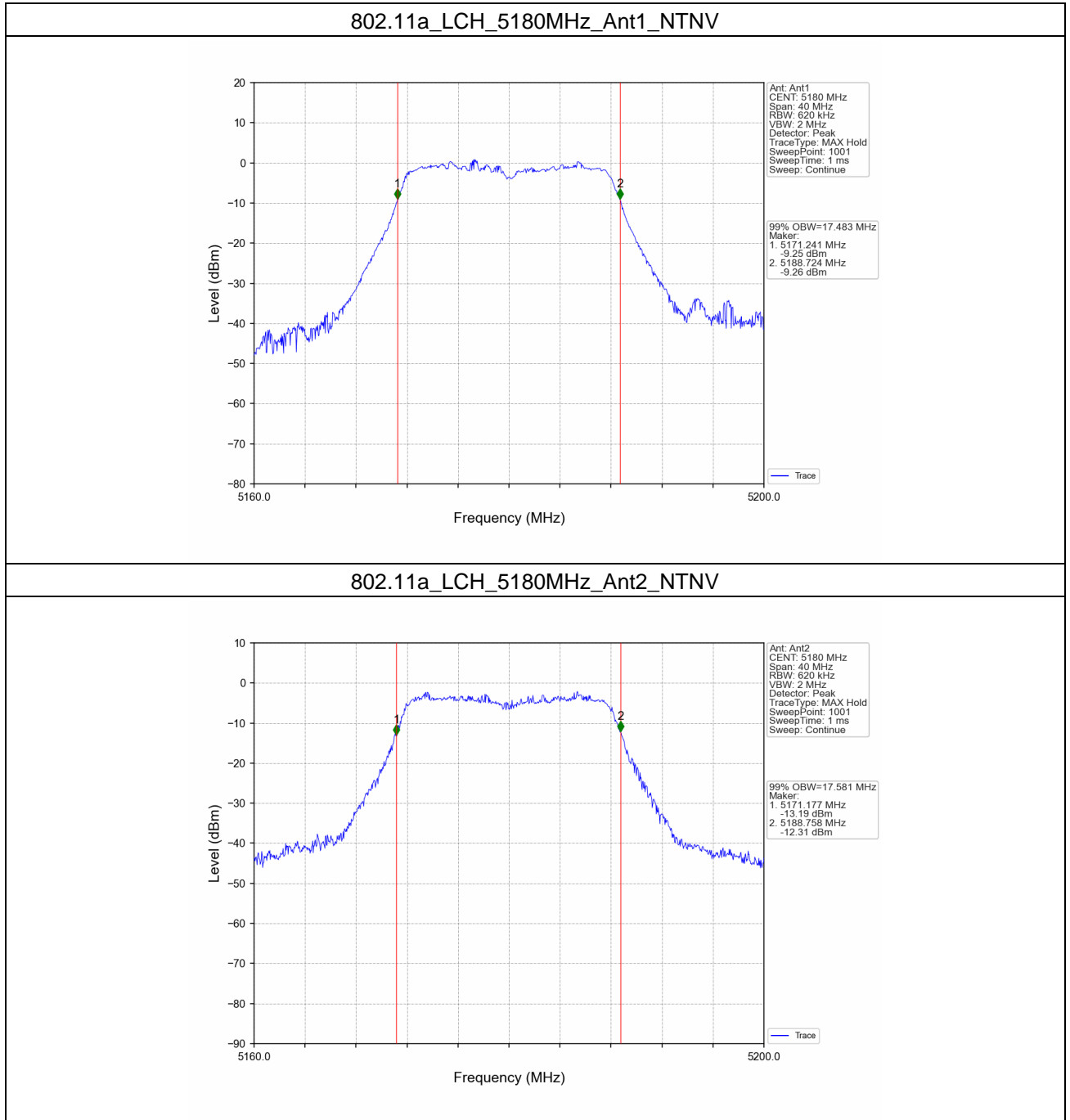


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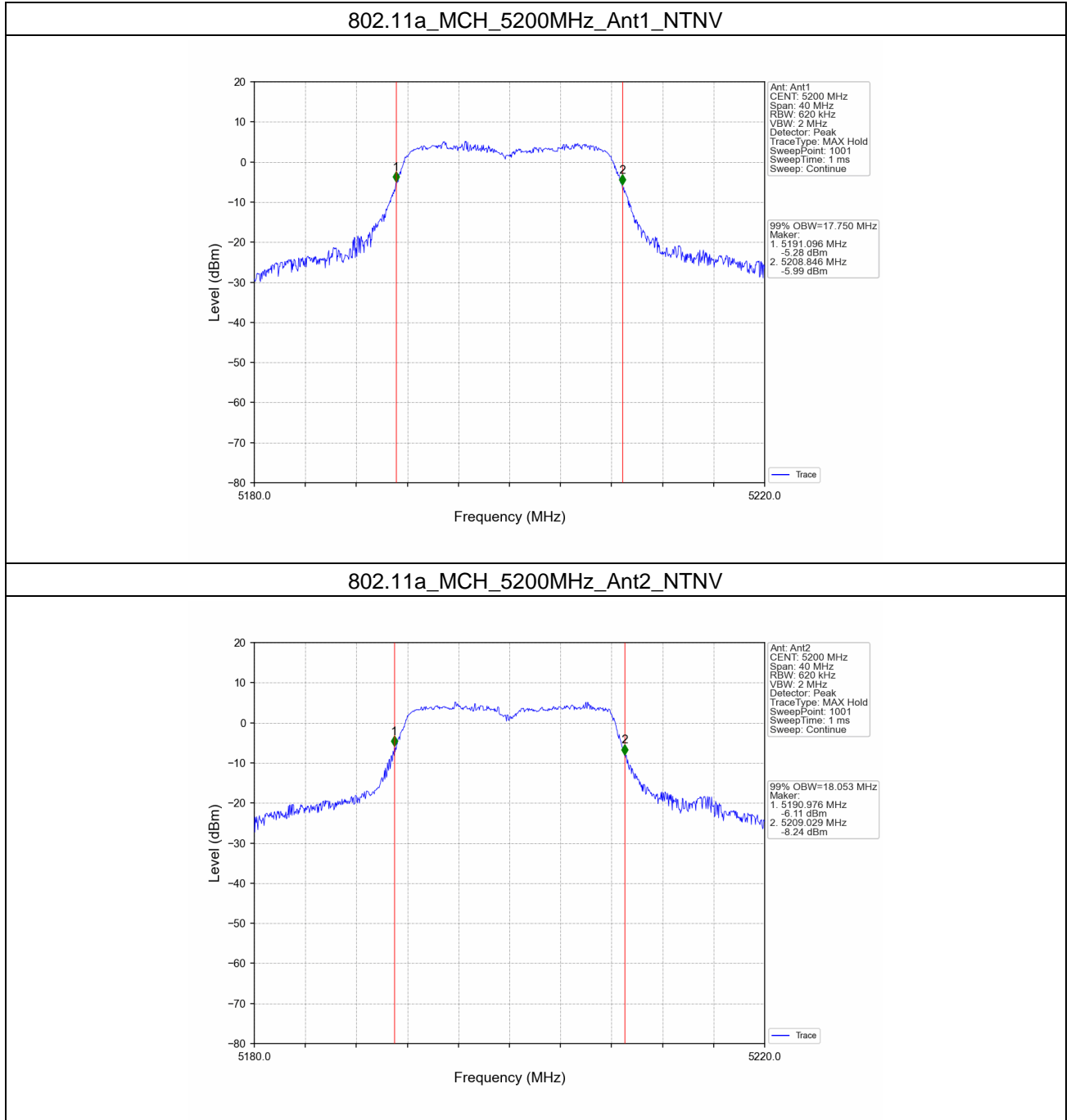


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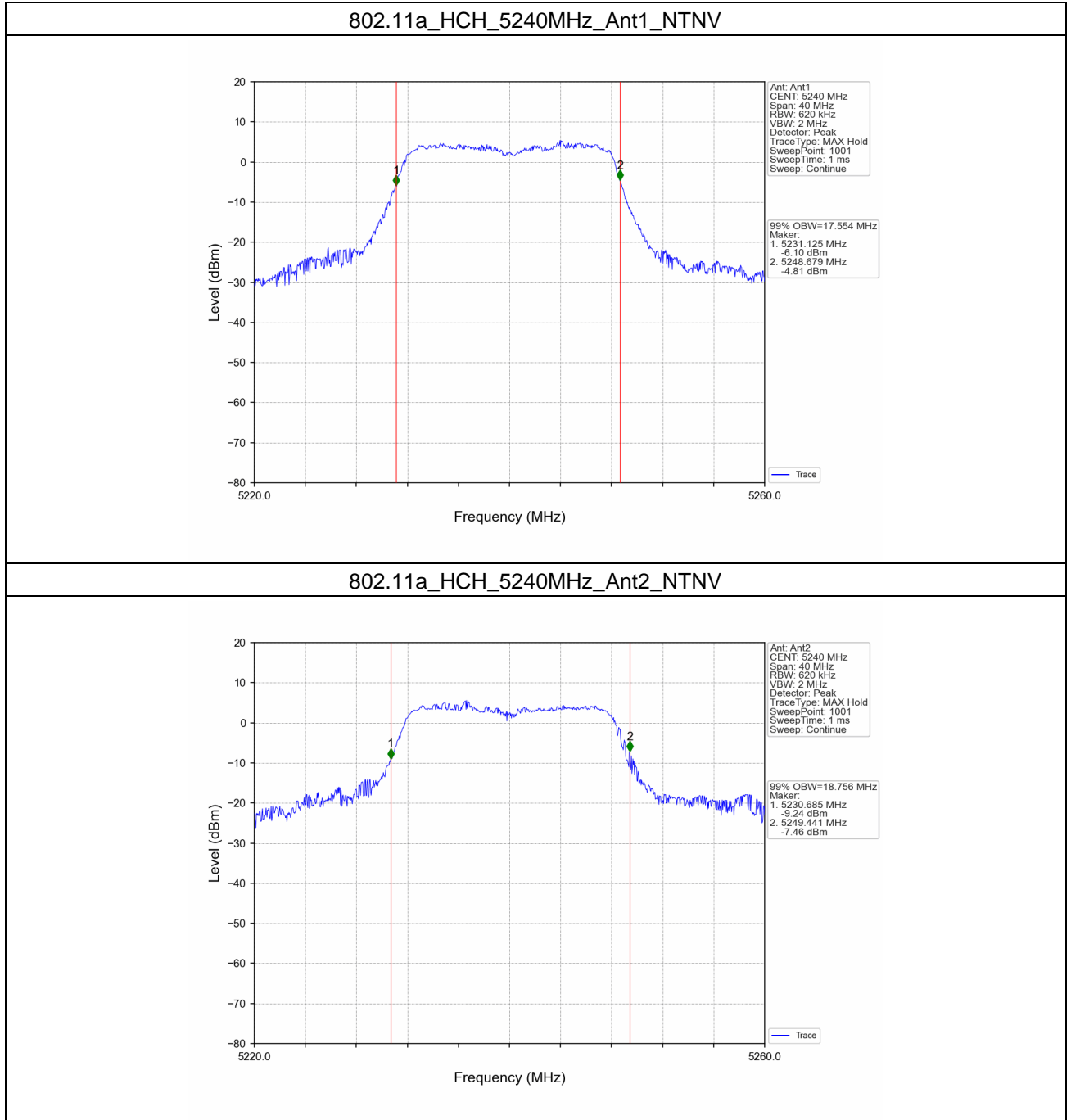


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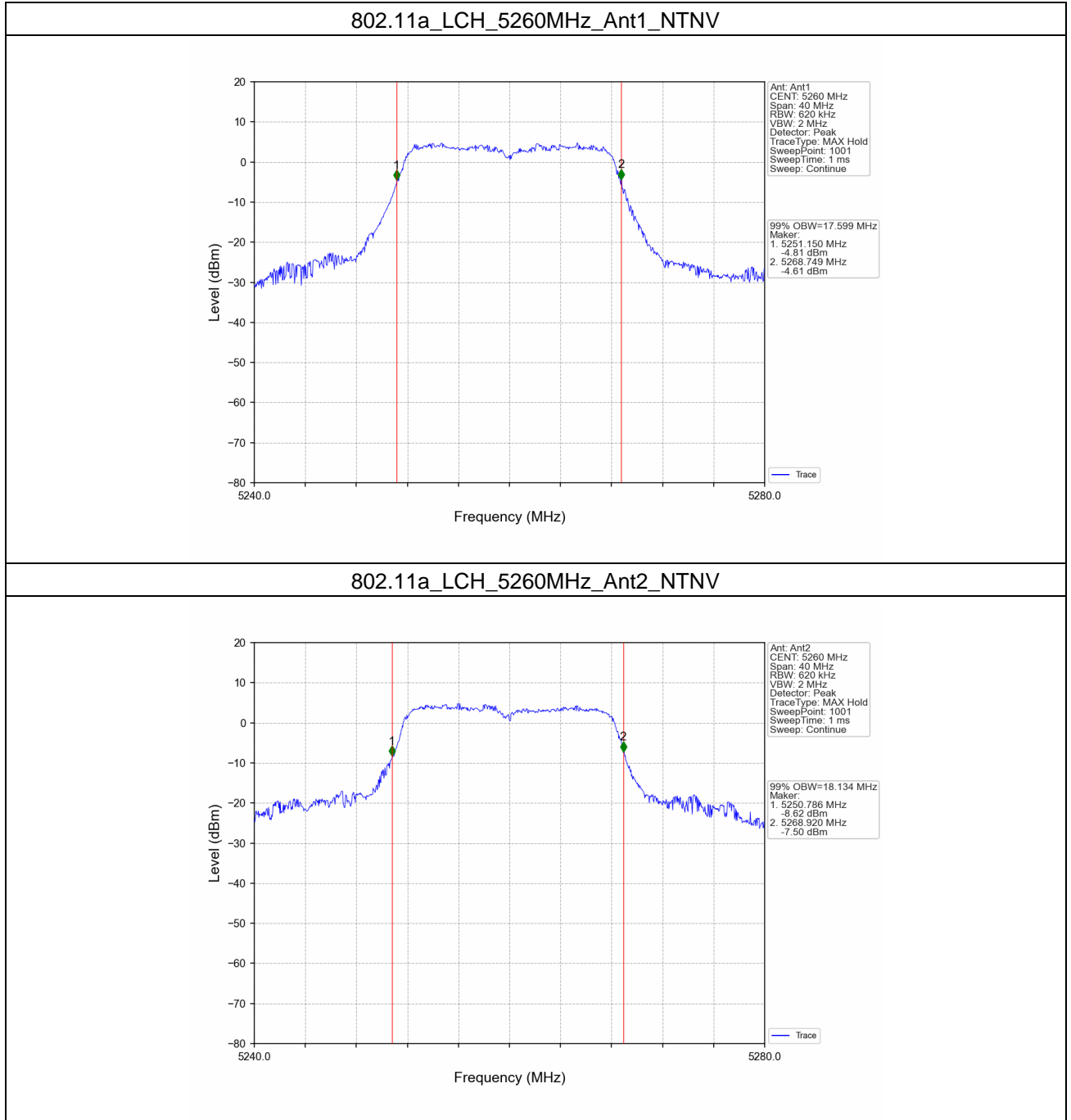


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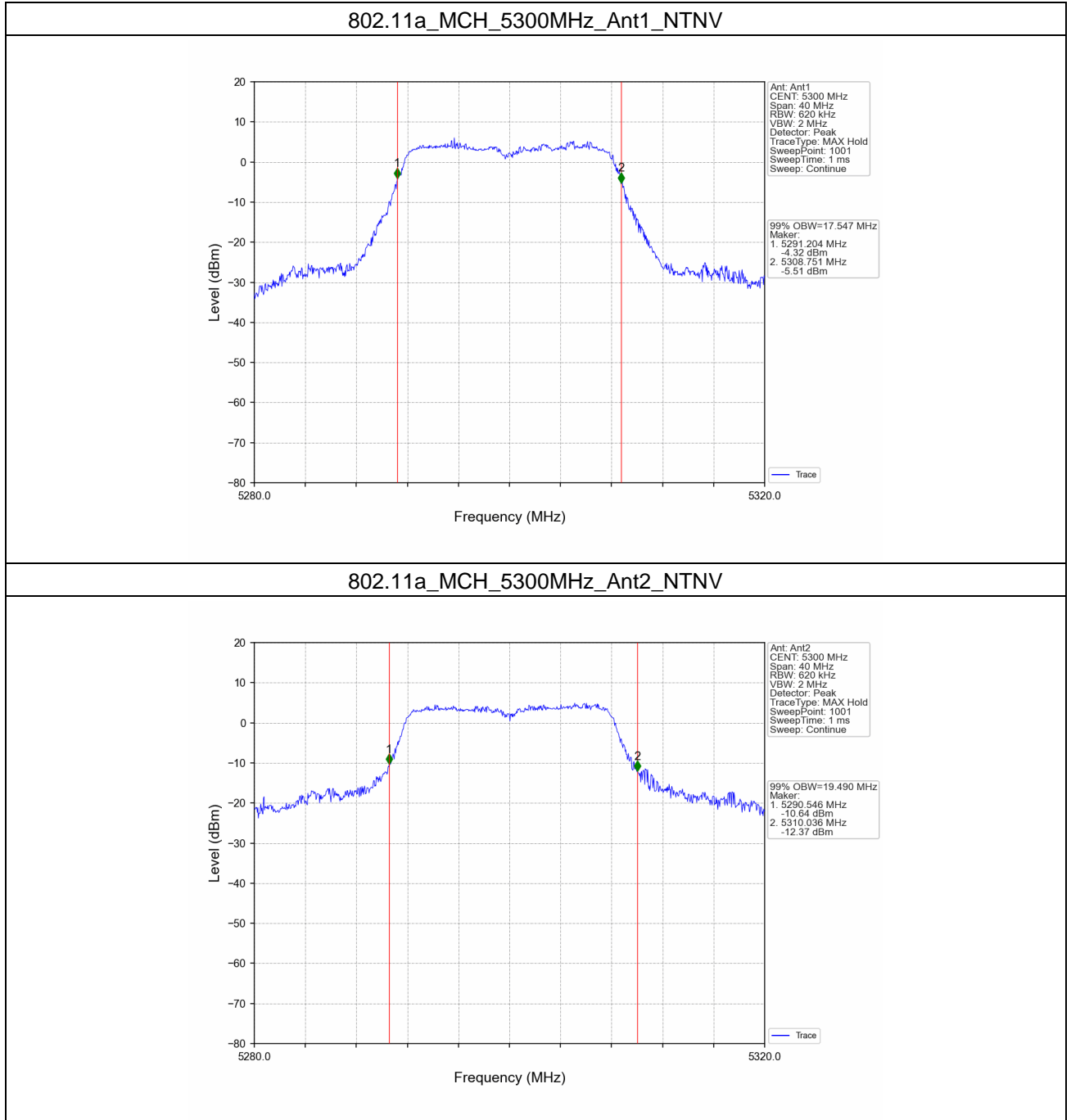
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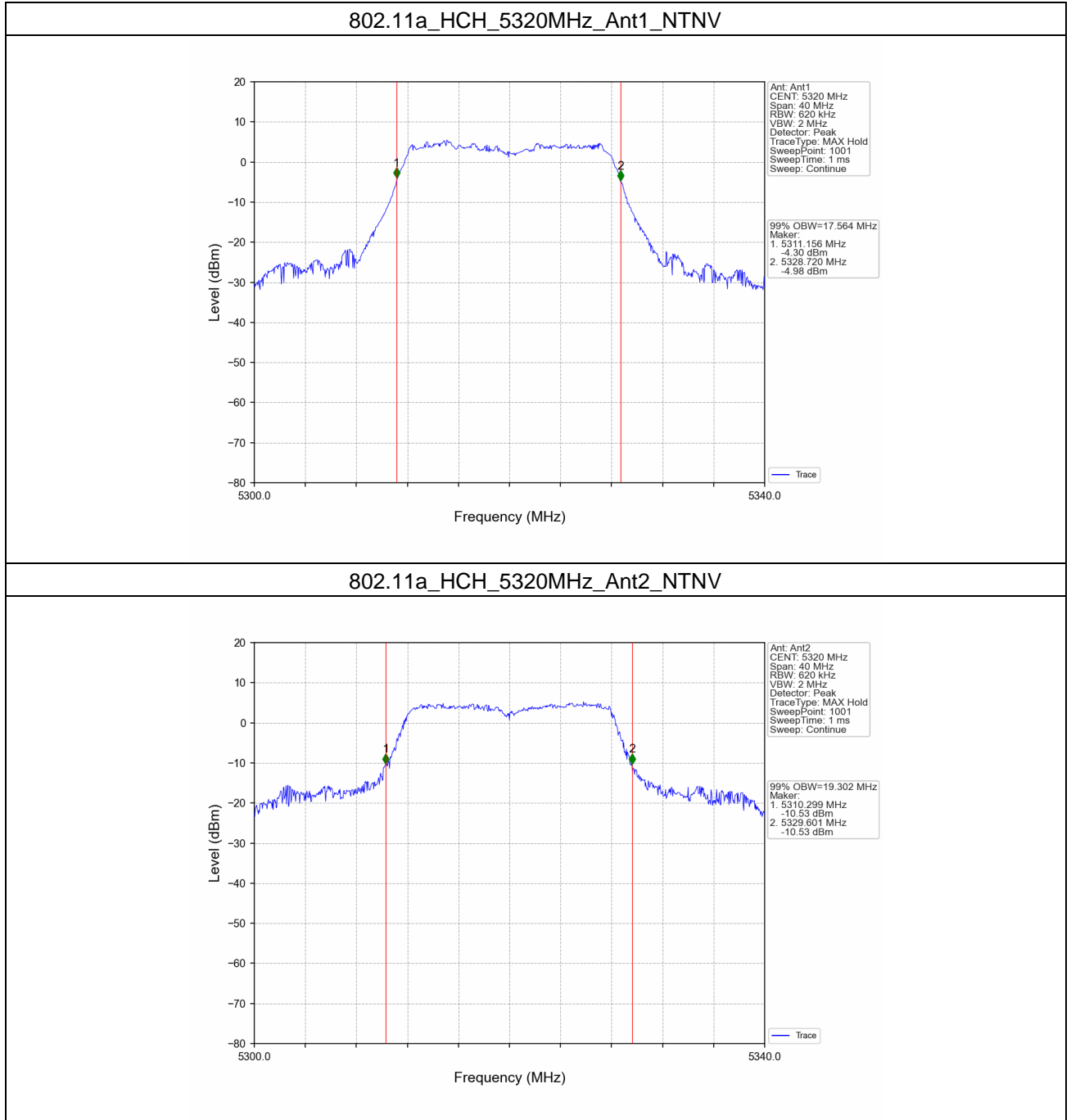


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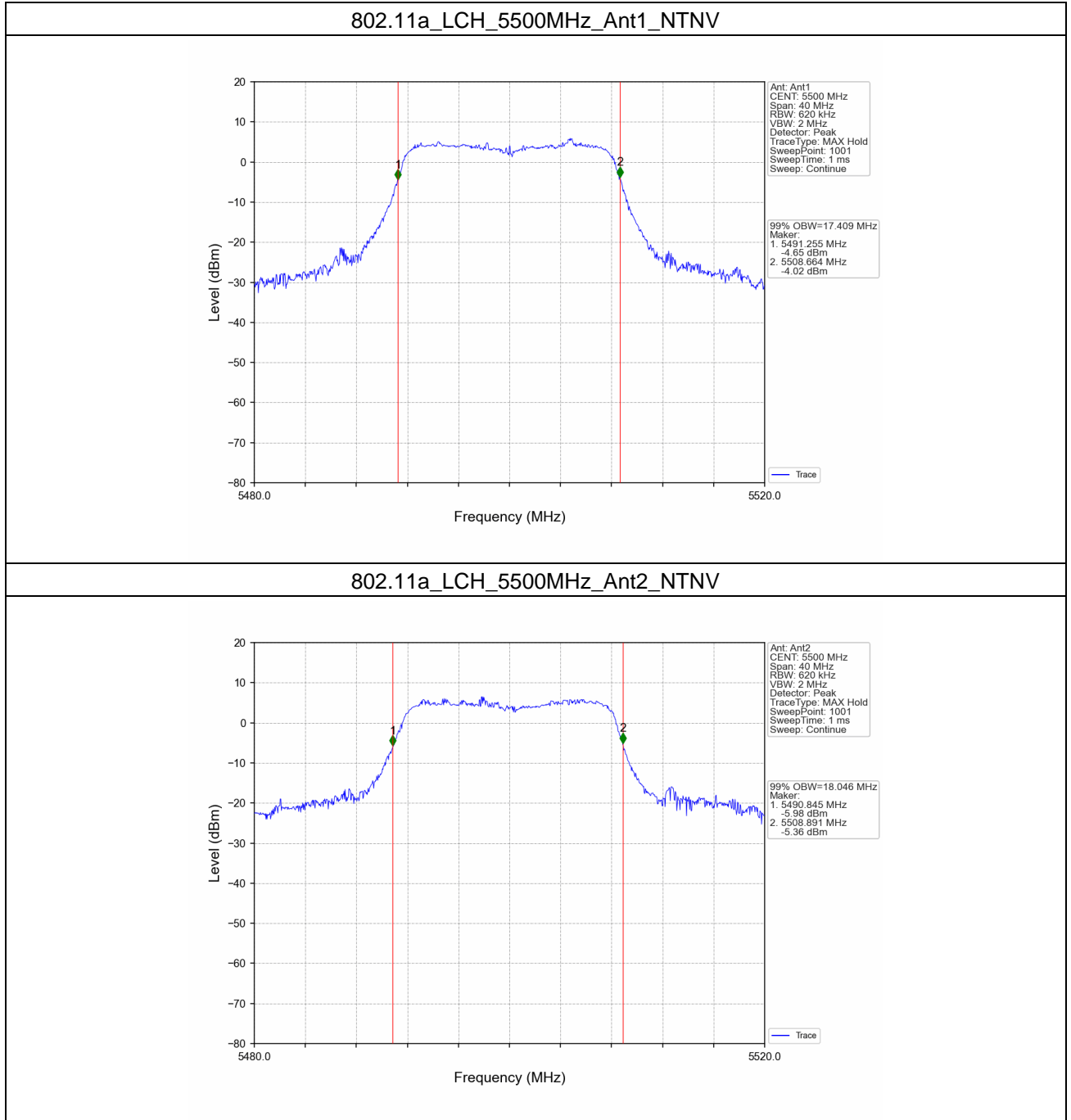
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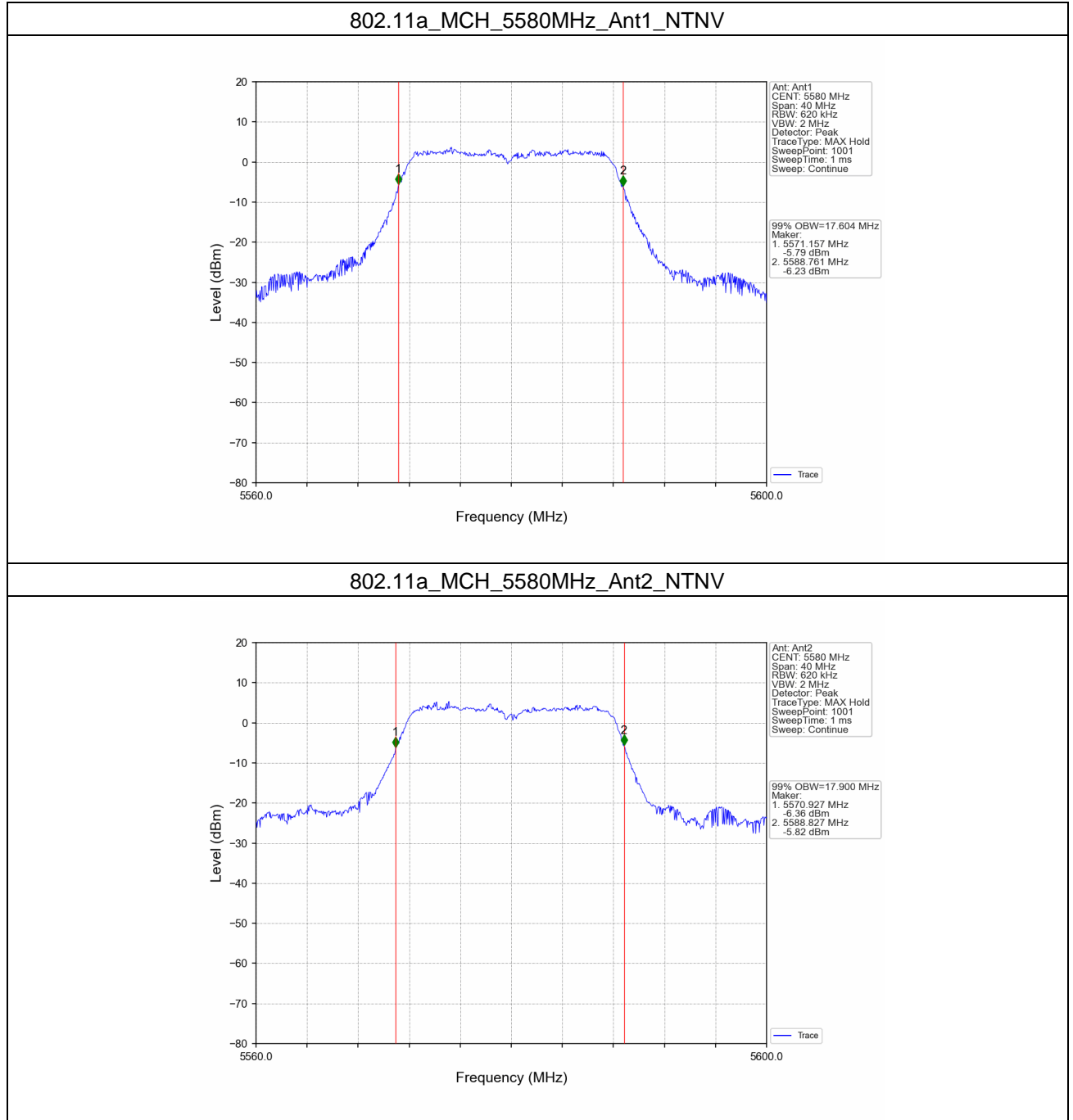


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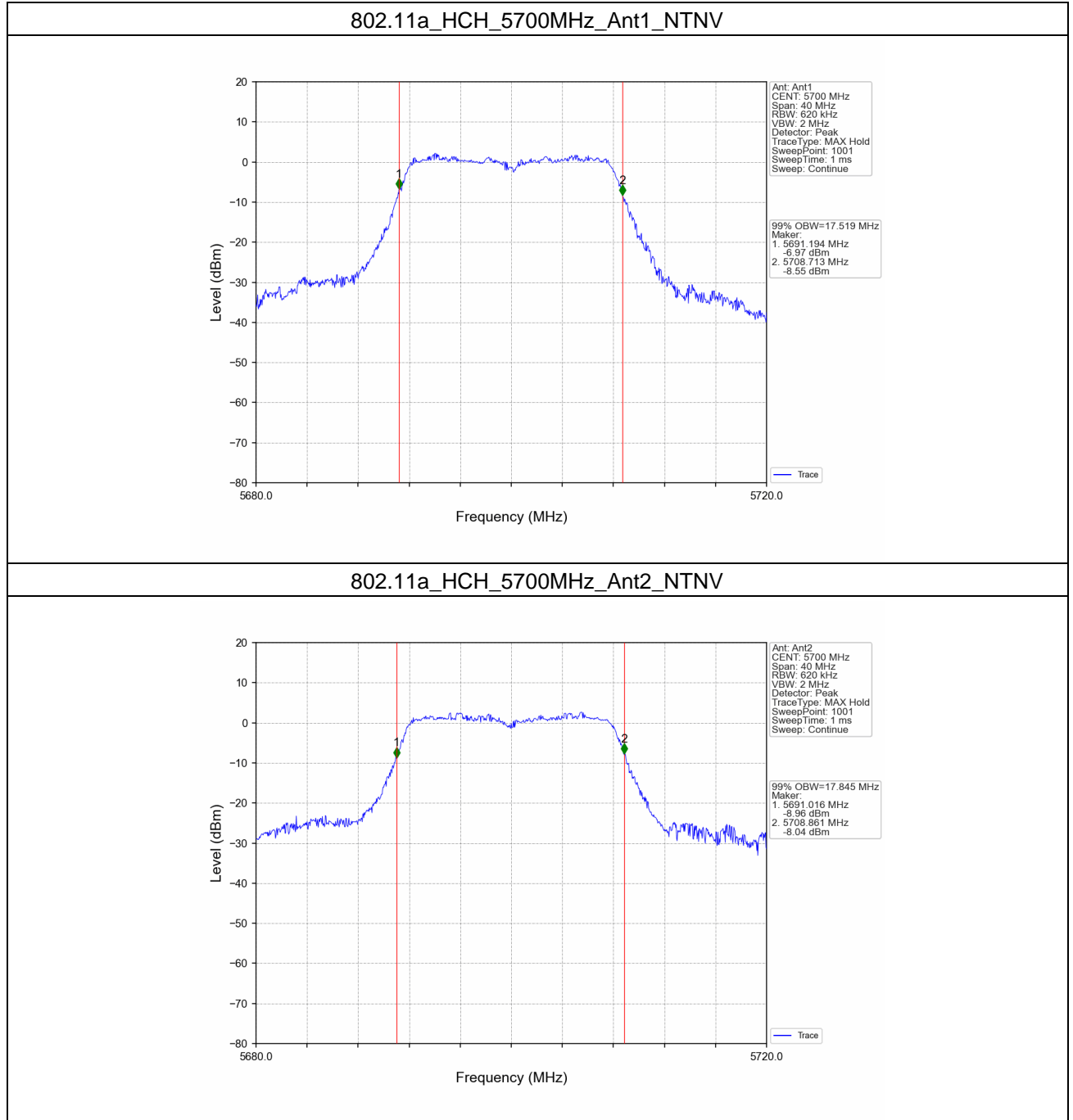
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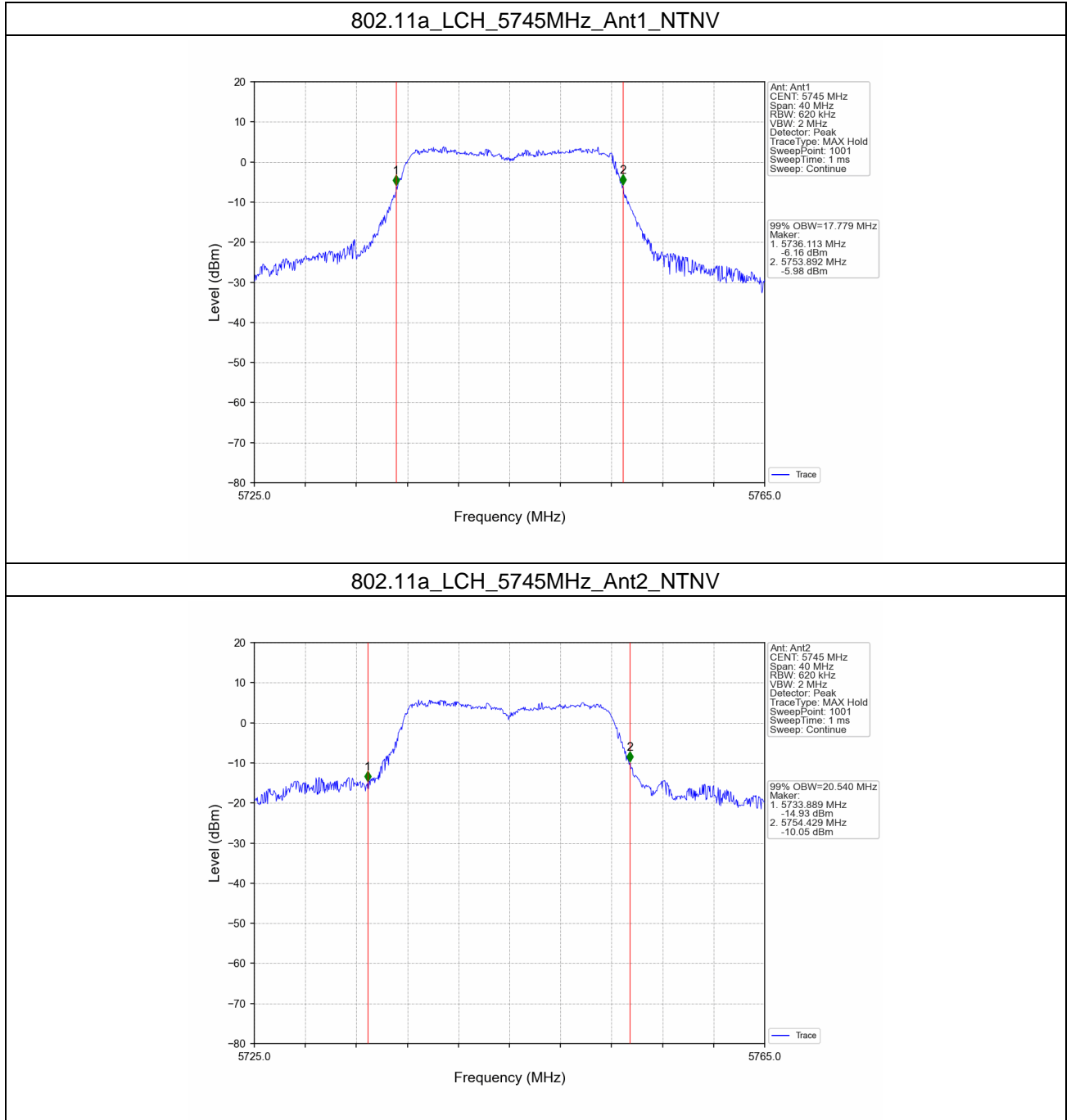
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