

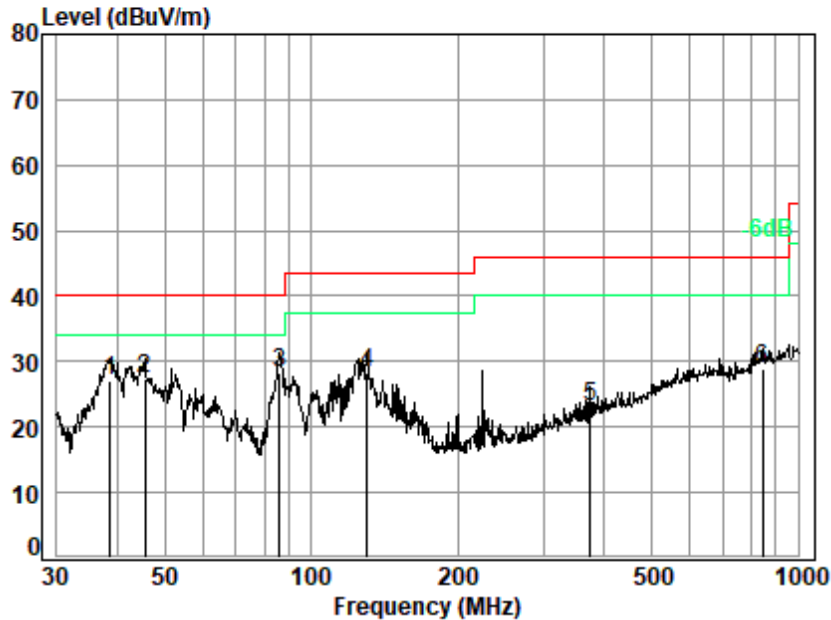
Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

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

Report No.: FYCR230100001505

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Test Mode: 04; Polarity: Vertical



Site : chamber
 Condition: 3m VERTICAL
 Job No : 00015AT
 Mode : 04

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	38.616	0.20	16.40	25.88	36.38	27.10	40.00	-12.90	QP
2	45.535	0.23	17.28	25.87	35.69	27.33	40.00	-12.67	QP
3	86.200	0.61	13.72	25.81	39.80	28.32	40.00	-11.68	QP
4	130.379	0.97	16.63	25.63	36.39	28.36	43.50	-15.14	QP
5	374.623	1.60	20.00	25.16	26.60	23.04	46.00	-22.96	QP
6	845.088	2.91	27.85	26.58	24.70	28.88	46.00	-17.12	QP



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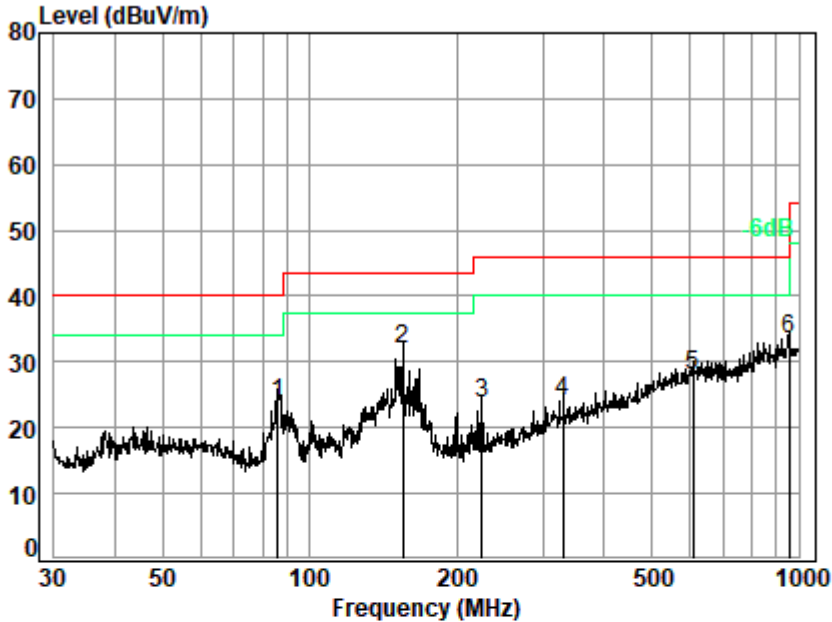
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11.6inch

Test Mode: 04; Polarity: Horizontal



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00015AT
 Mode :

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	86.200	0.61	13.72	25.81	35.22	23.74	40.00	-16.26 QP
2	154.821	0.88	17.34	25.52	39.30	32.00	43.50	-11.50 QP
3	225.308	0.78	15.97	25.28	32.19	23.66	46.00	-22.34 QP
4	330.195	1.33	19.51	25.13	28.47	24.18	46.00	-21.82 QP
5	607.787	2.24	24.50	25.36	26.63	28.01	46.00	-17.99 QP
6	955.438	2.26	29.35	26.30	28.26	33.57	46.00	-12.43 QP



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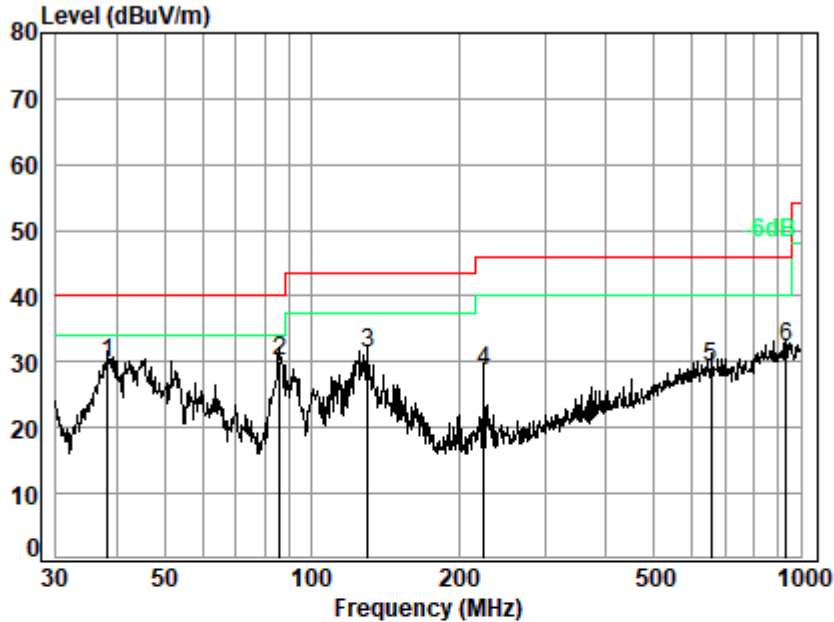
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Test Mode: 04; Polarity: Vertical



Site : chamber
 Condition: 3m VERTICAL
 Job No : 00015AT
 Mode :

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	38.346	0.20	16.34	25.88	39.11	29.77	40.00	-10.23 QP
2	85.898	0.60	13.77	25.81	41.54	30.10	40.00	-9.90 QP
3	130.379	0.97	16.63	25.63	39.39	31.36	43.50	-12.14 QP
4	225.308	0.78	15.97	25.28	37.21	28.68	46.00	-17.32 QP
5	656.530	2.05	25.32	25.74	27.62	29.25	46.00	-16.75 QP
6	935.546	2.23	29.26	26.35	27.11	32.25	46.00	-13.75 QP



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8 Test Setup Photo

Refer to Appendix - Test Setup Photo for FYCR2301000015AT

9 EUT Constructional Details (EUT Photos)

Refer to Appendix – External and Internal Photos for FYCR2301000015AT.



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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	MIMO	5180	2.066	2.101	98.33	0.07	0.00
		5200	2.066	2.101	98.33	0.07	0.00
		5240	2.066	2.101	98.33	0.07	0.00
		5260	2.066	2.101	98.33	0.07	0.00
		5300	2.066	2.101	98.33	0.07	0.00
		5320	2.067	2.101	98.38	0.07	0.00
		5500	2.066	2.101	98.33	0.07	0.00
		5580	2.067	2.101	98.38	0.07	0.00
		5700	2.066	2.102	98.29	0.08	0.03
		5745	2.066	2.101	98.33	0.07	0.00
		5785	2.066	2.101	98.33	0.07	0.00
5825	2.066	2.101	98.33	0.07	0.00		
802.11n (HT20)	MIMO	5180	1.926	1.961	98.22	0.08	0.03
		5200	1.926	1.961	98.22	0.08	0.03
		5240	1.926	1.961	98.22	0.08	0.03
		5260	1.926	1.961	98.22	0.08	0.03
		5300	1.926	1.961	98.22	0.08	0.03
		5320	1.926	1.962	98.17	0.08	0.03
		5500	1.926	1.962	98.17	0.08	0.03
		5580	1.926	1.962	98.17	0.08	0.03
		5700	1.926	1.961	98.22	0.08	0.03
		5745	1.926	1.961	98.22	0.08	0.03
		5785	1.926	1.961	98.22	0.08	0.03
5825	1.926	1.961	98.22	0.08	0.03		
802.11n (HT40)	MIMO	5190	0.950	0.985	96.45	0.16	0.03
		5230	0.950	0.984	96.54	0.15	0.00
		5270	0.950	0.984	96.54	0.15	0.03
		5310	0.949	0.984	96.44	0.16	0.00



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		5510	0.950	0.984	96.54	0.15	0.03
		5550	0.949	0.984	96.44	0.16	0.00
		5670	0.949	0.984	96.44	0.16	0.00
		5755	0.949	0.984	96.44	0.16	0.03
		5795	0.949	0.984	96.44	0.16	0.03
802.11ac (VHT20)	MIMO	5180	1.933	1.968	98.22	0.08	0.03
		5200	1.934	1.969	98.22	0.08	0.03
		5240	1.934	1.969	98.22	0.08	0.03
		5260	1.934	1.969	98.22	0.08	0.03
		5300	1.934	1.970	98.17	0.08	0.03
		5320	1.934	1.970	98.17	0.08	0.03
		5500	1.934	1.969	98.22	0.08	0.03
		5580	1.934	1.970	98.17	0.08	0.03
		5700	1.933	1.969	98.17	0.08	0.03
		5745	1.934	1.970	98.17	0.08	0.03
		5785	1.934	1.969	98.22	0.08	0.03
		5825	1.934	1.969	98.22	0.08	0.03
802.11ac (VHT40)	MIMO	5190	0.954	0.989	96.46	0.16	0.03
		5230	0.953	0.988	96.46	0.16	0.03
		5270	0.954	0.988	96.56	0.15	0.03
		5310	0.954	0.988	96.56	0.15	0.00
		5510	0.954	0.988	96.56	0.15	0.00
		5550	0.954	0.988	96.56	0.15	0.00
		5670	0.954	0.988	96.56	0.15	0.00
		5755	0.953	0.988	96.46	0.16	0.00
5795	0.953	0.988	96.46	0.16	0.03		
802.11ac (VHT80)	MIMO	5210	0.465	0.500	93.00	0.32	0.03
		5290	0.465	0.500	93.00	0.32	0.03
		5530	0.465	0.500	93.00	0.32	0.03
		5610	0.465	0.500	93.00	0.32	0.03
		5775	0.465	0.500	93.00	0.32	0.10

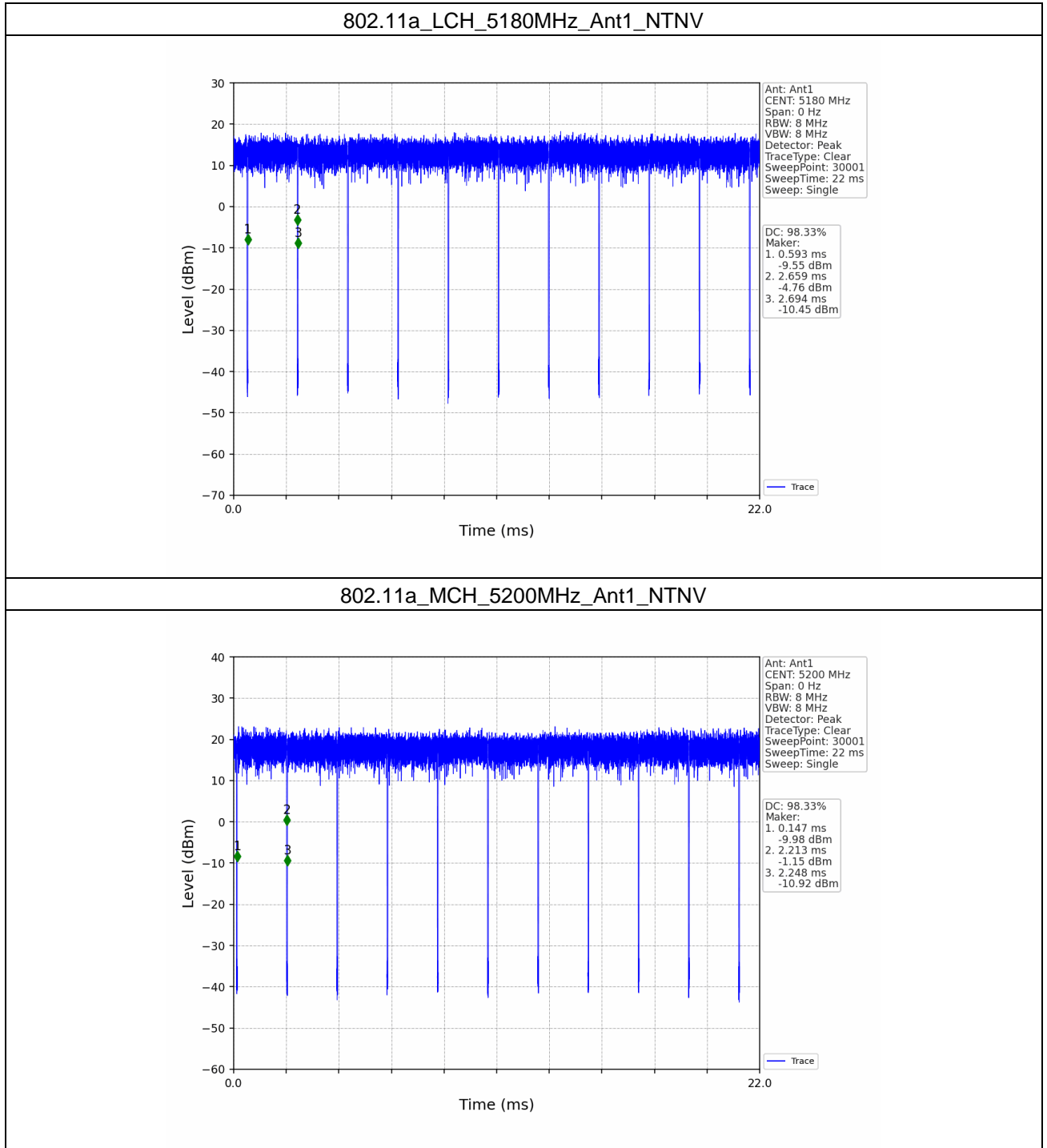


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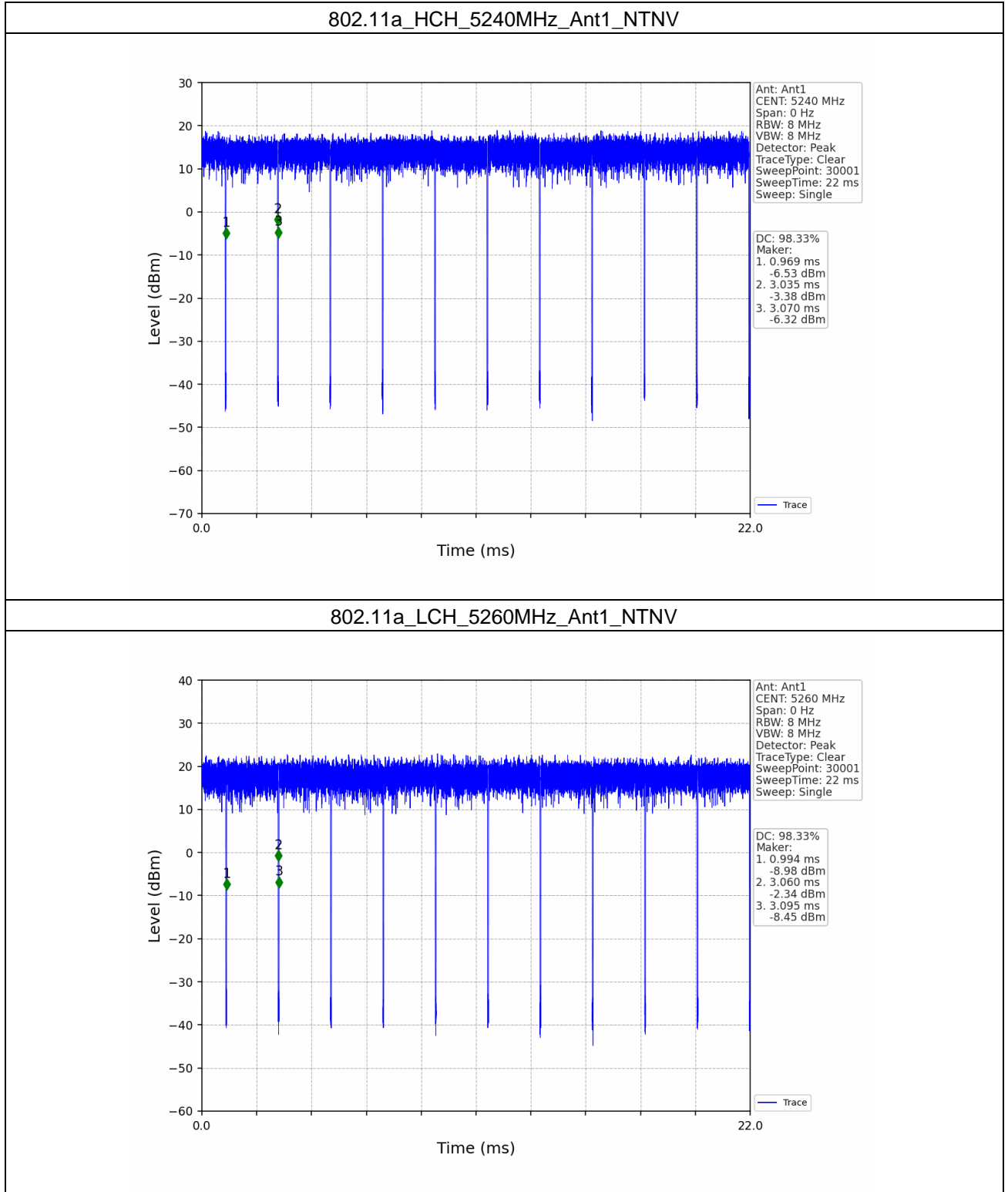
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1.1.2 Test Graph



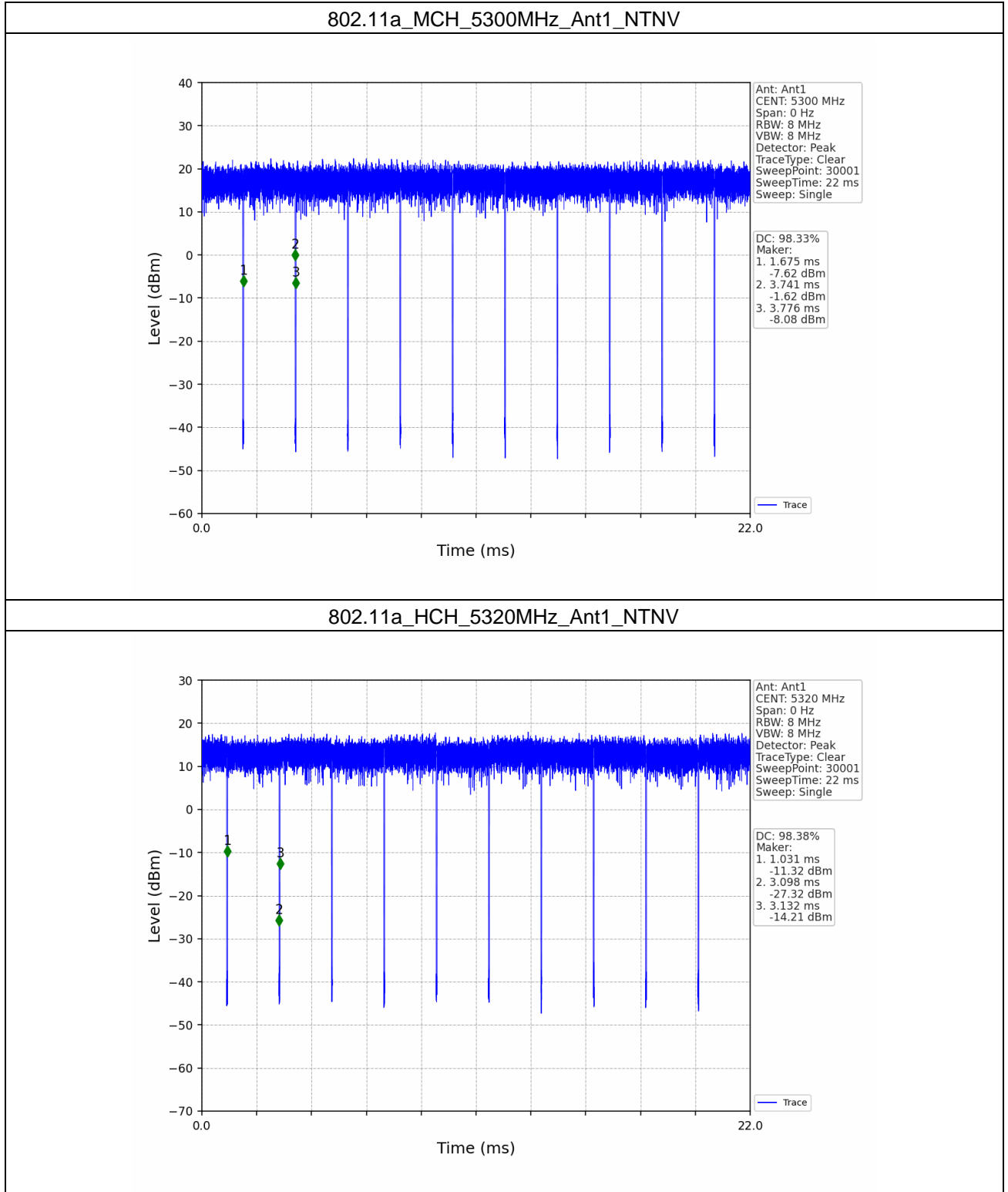
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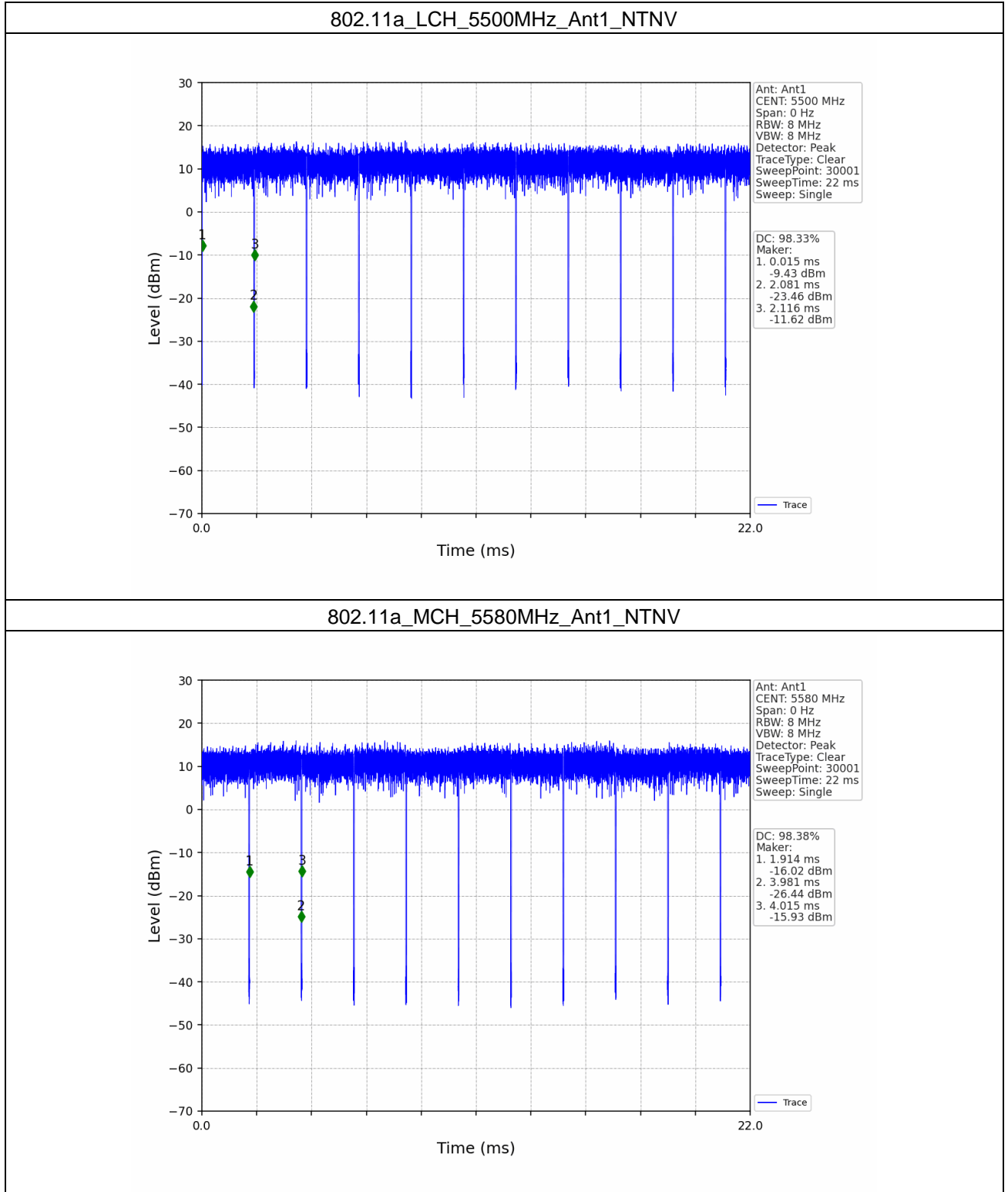
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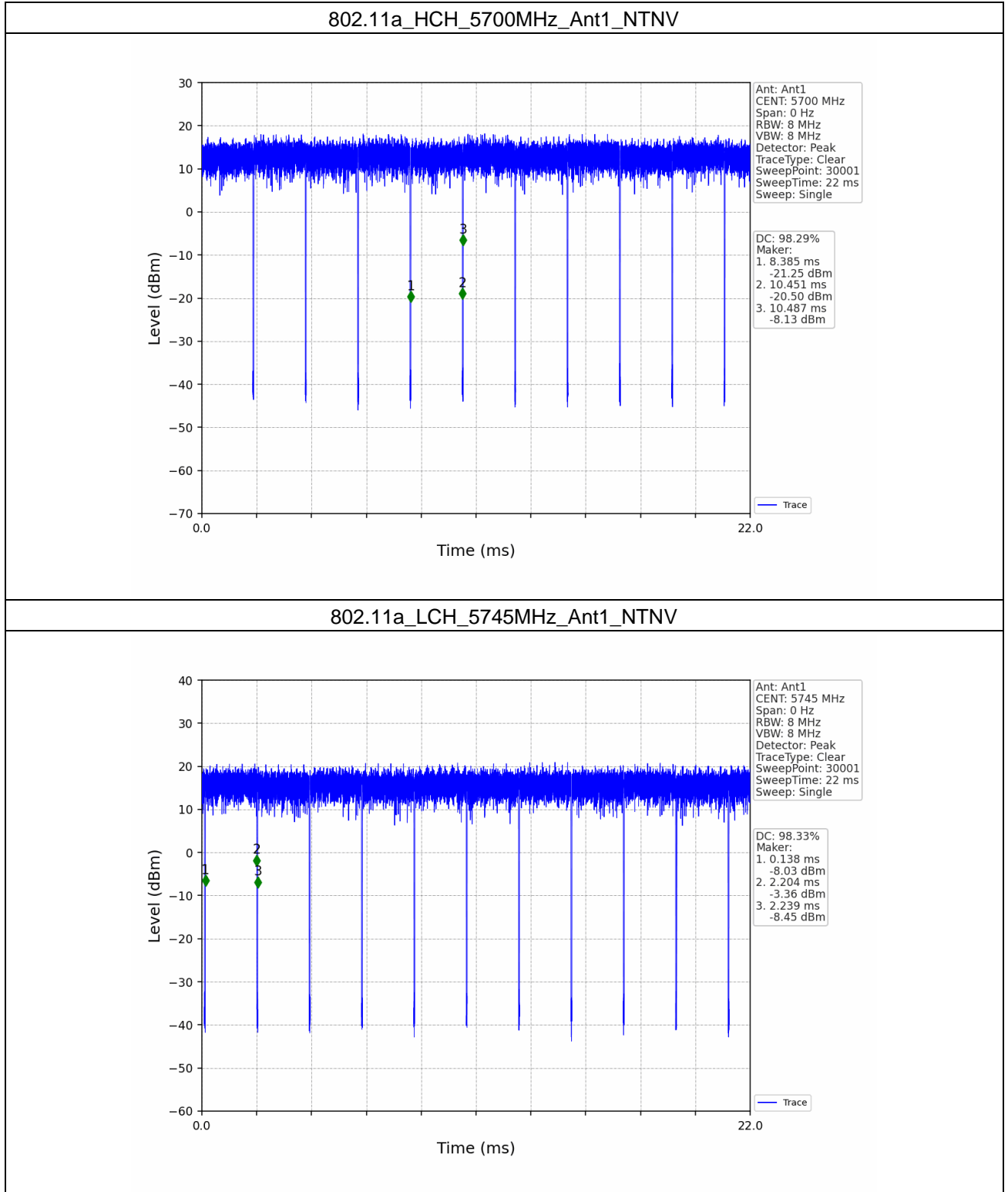
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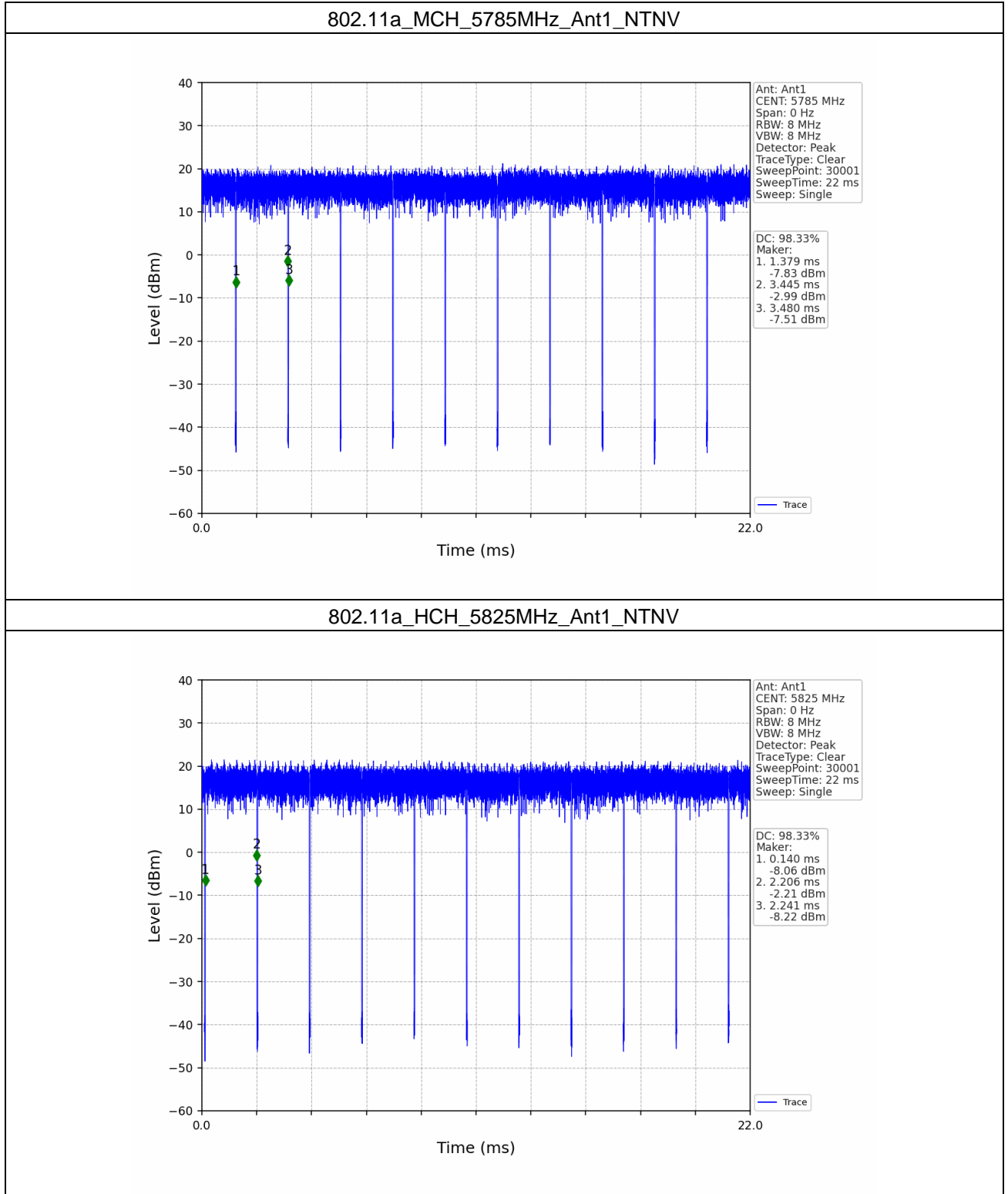
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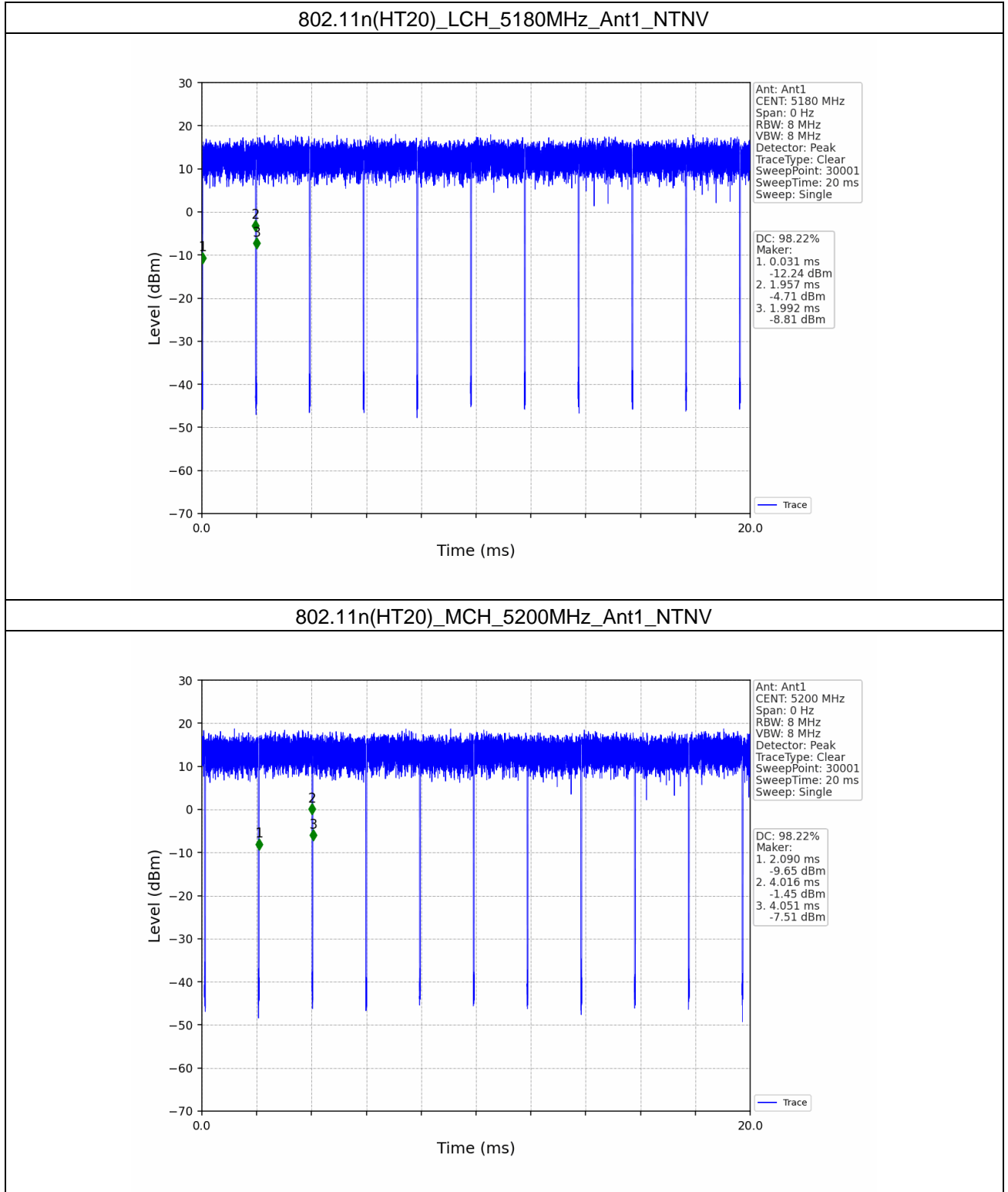


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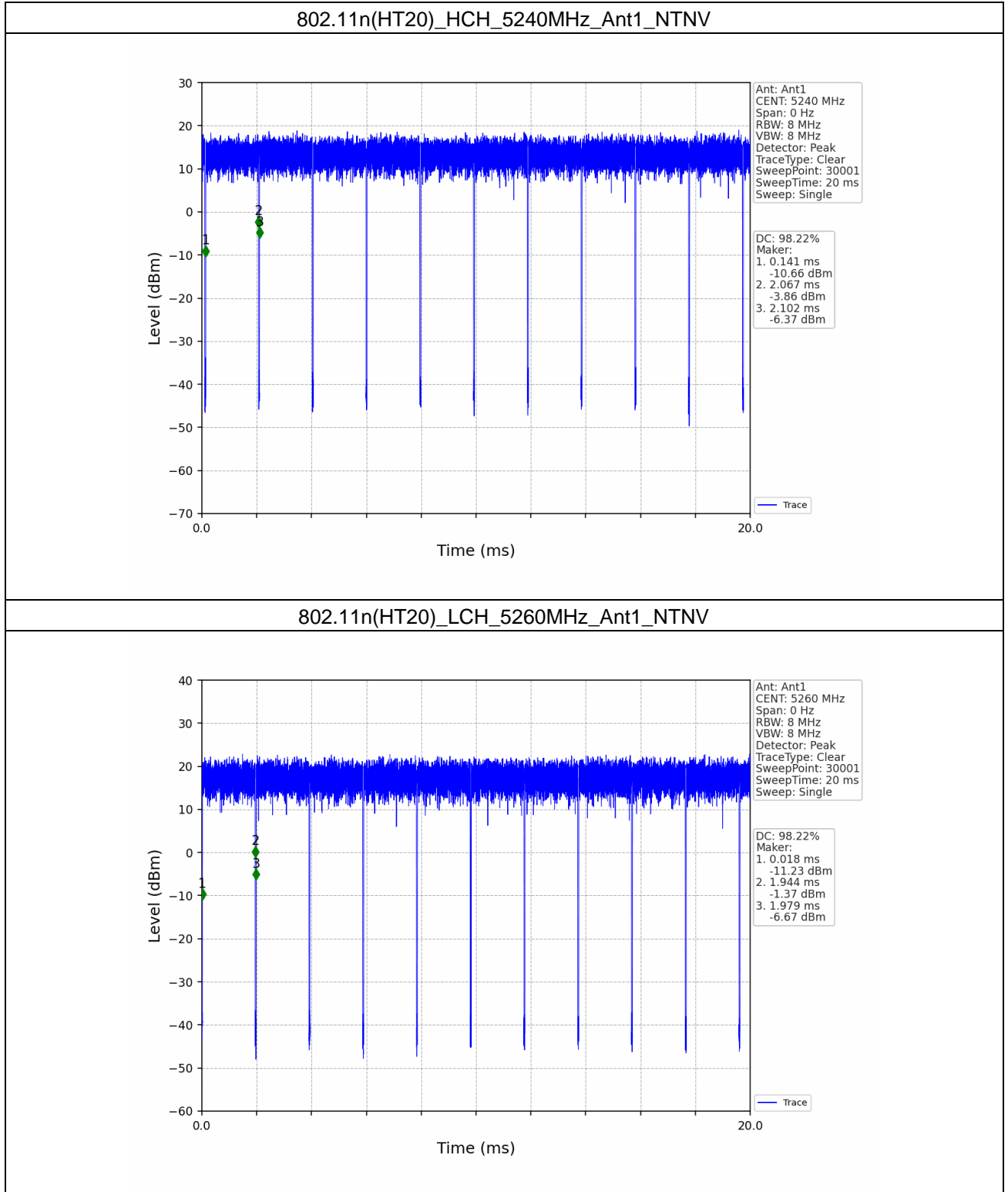


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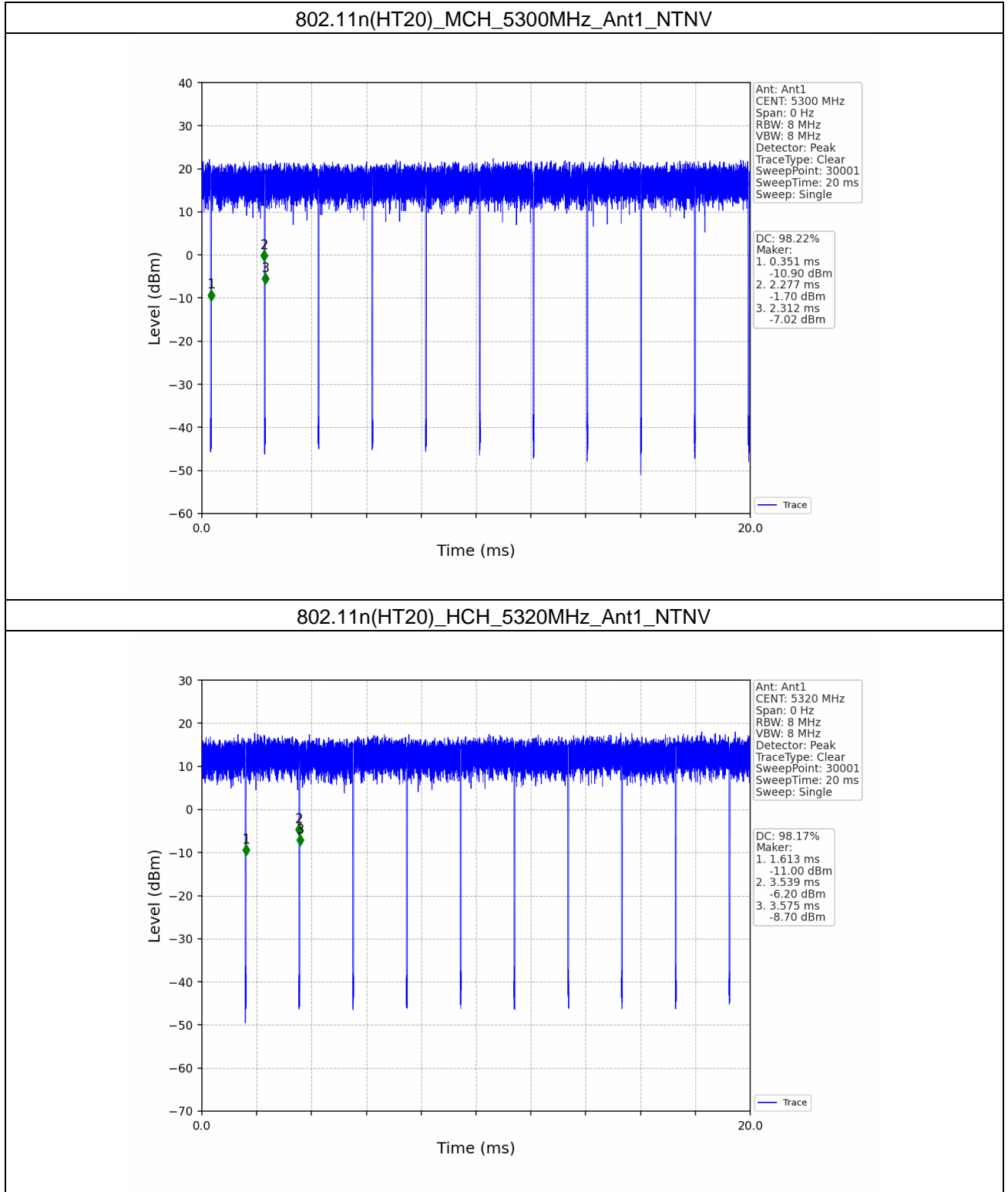
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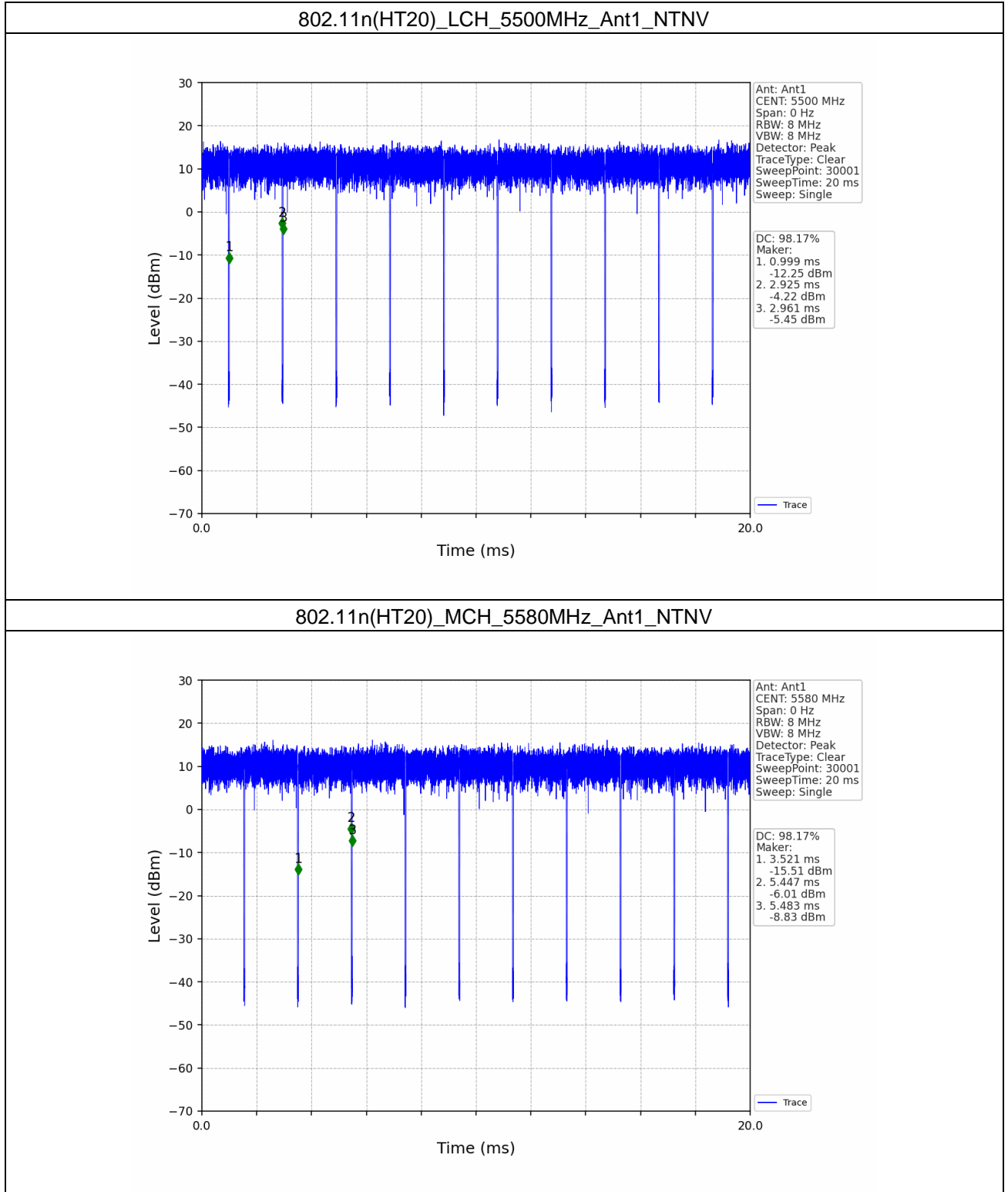


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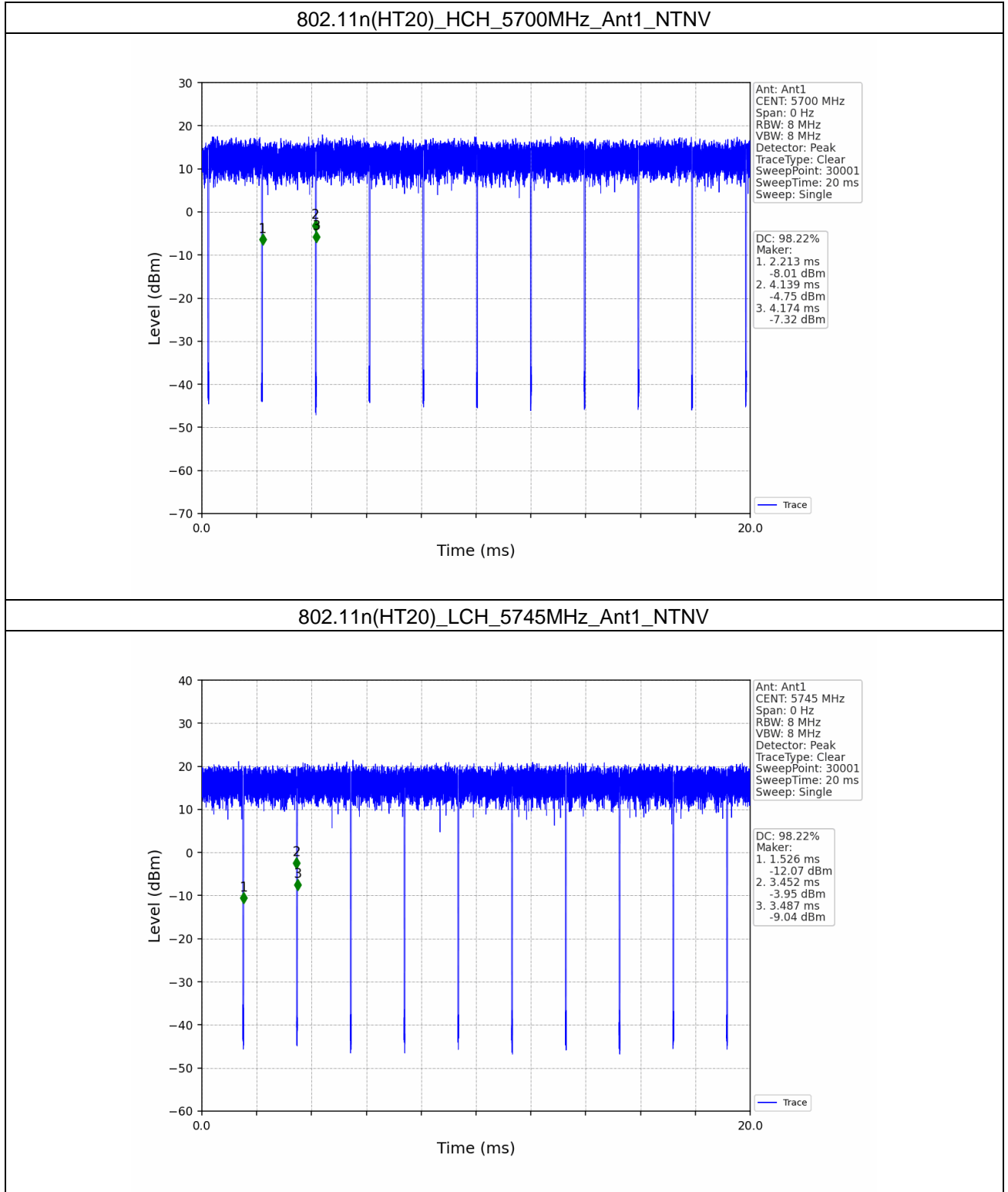


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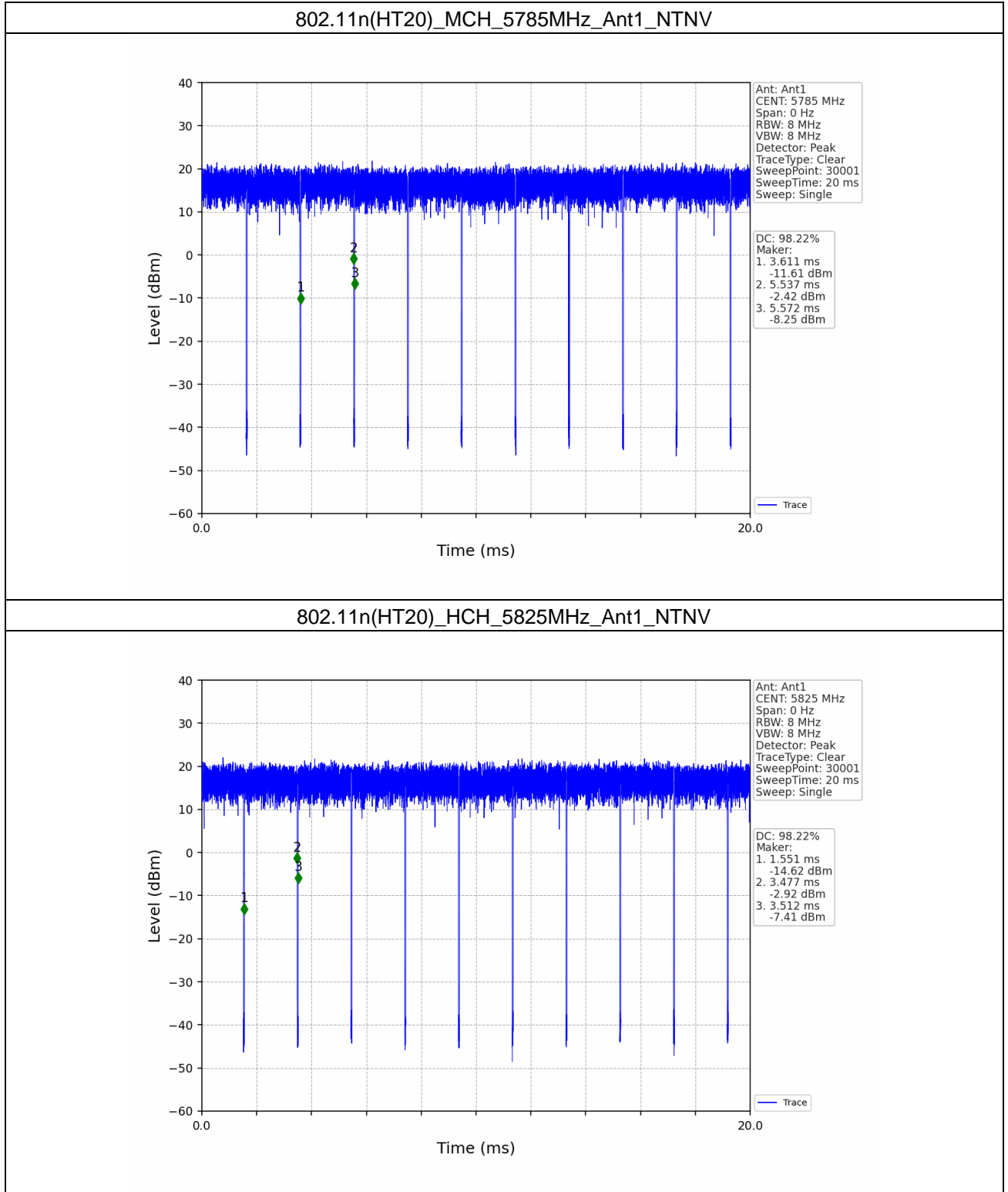


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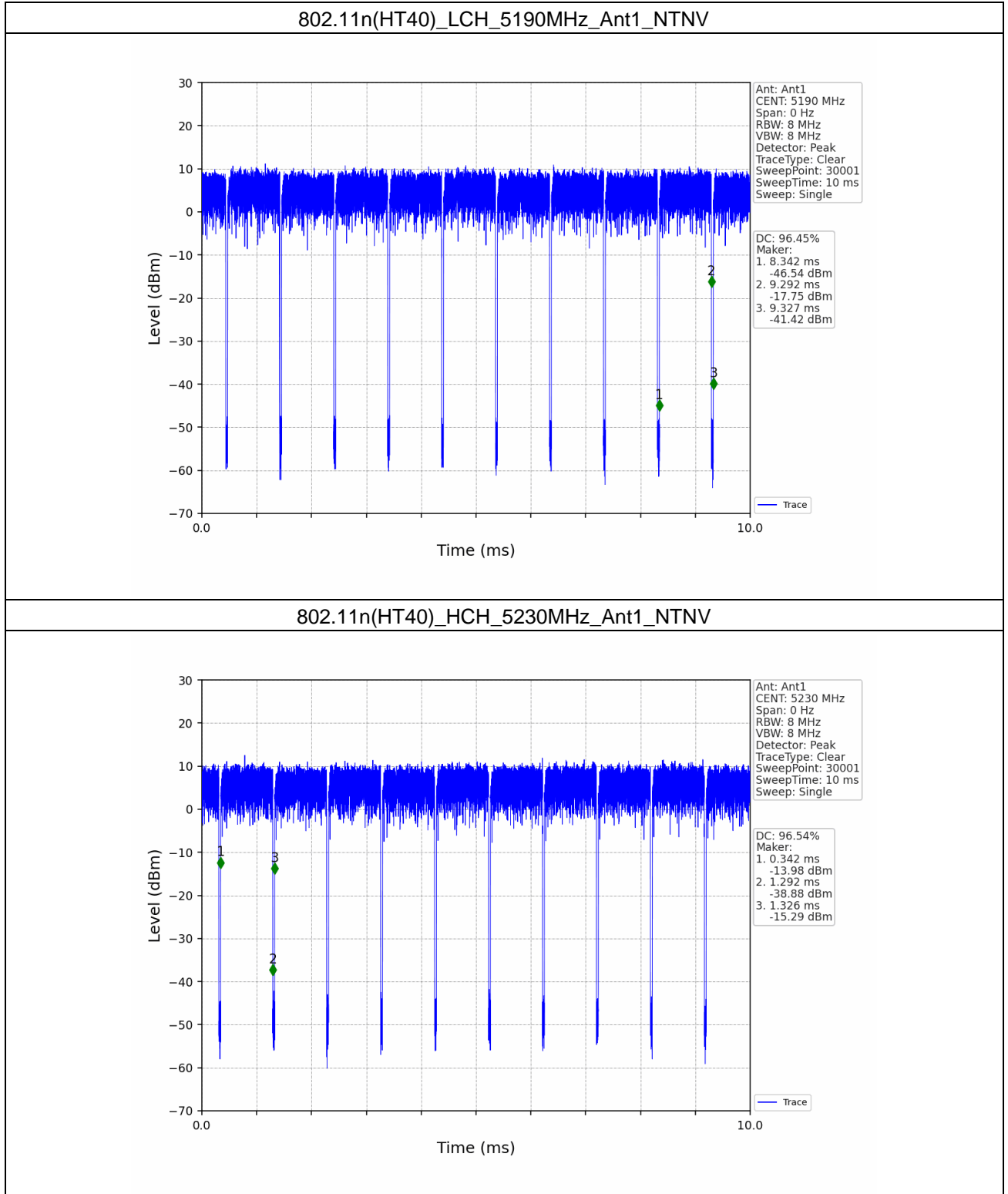
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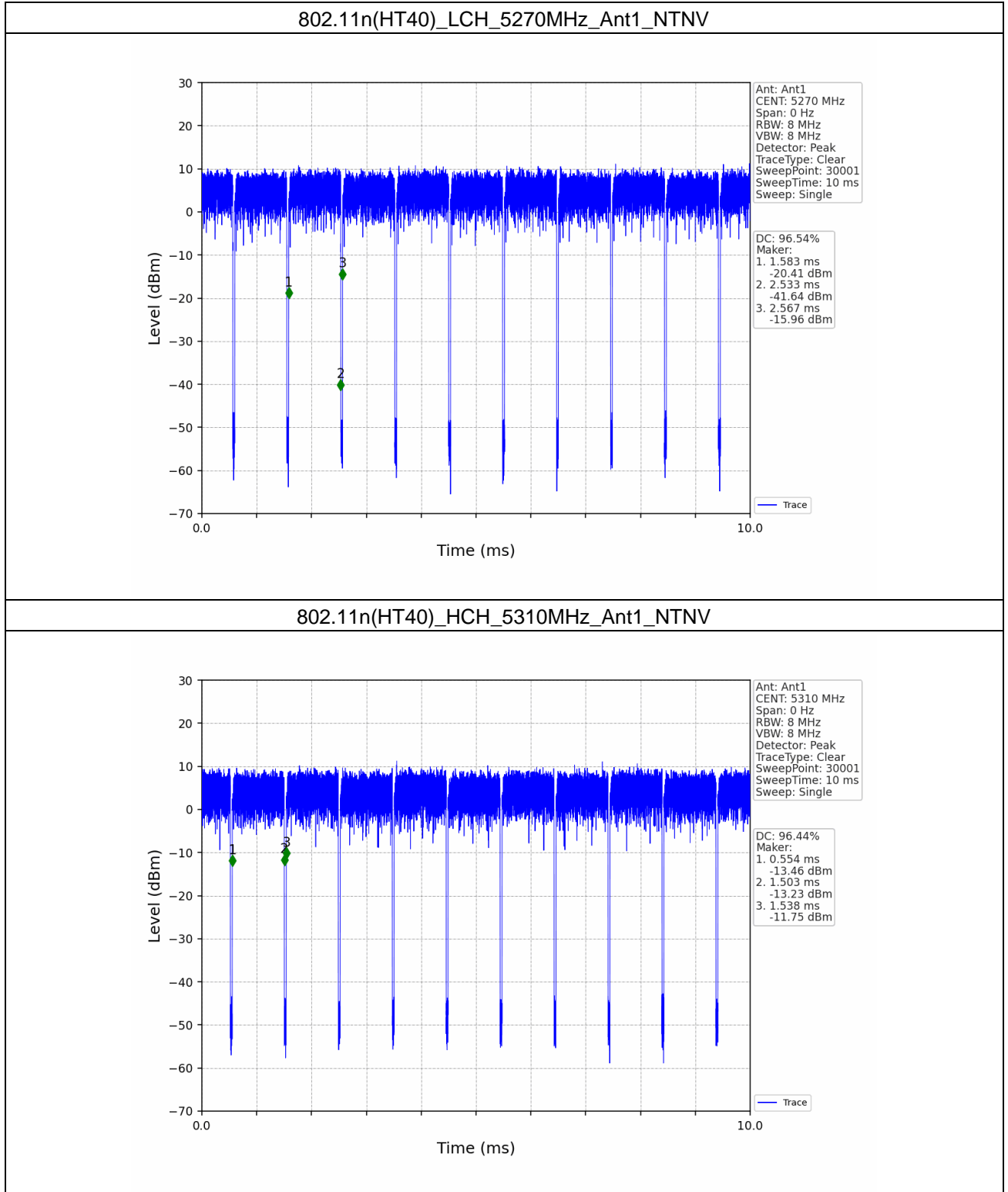


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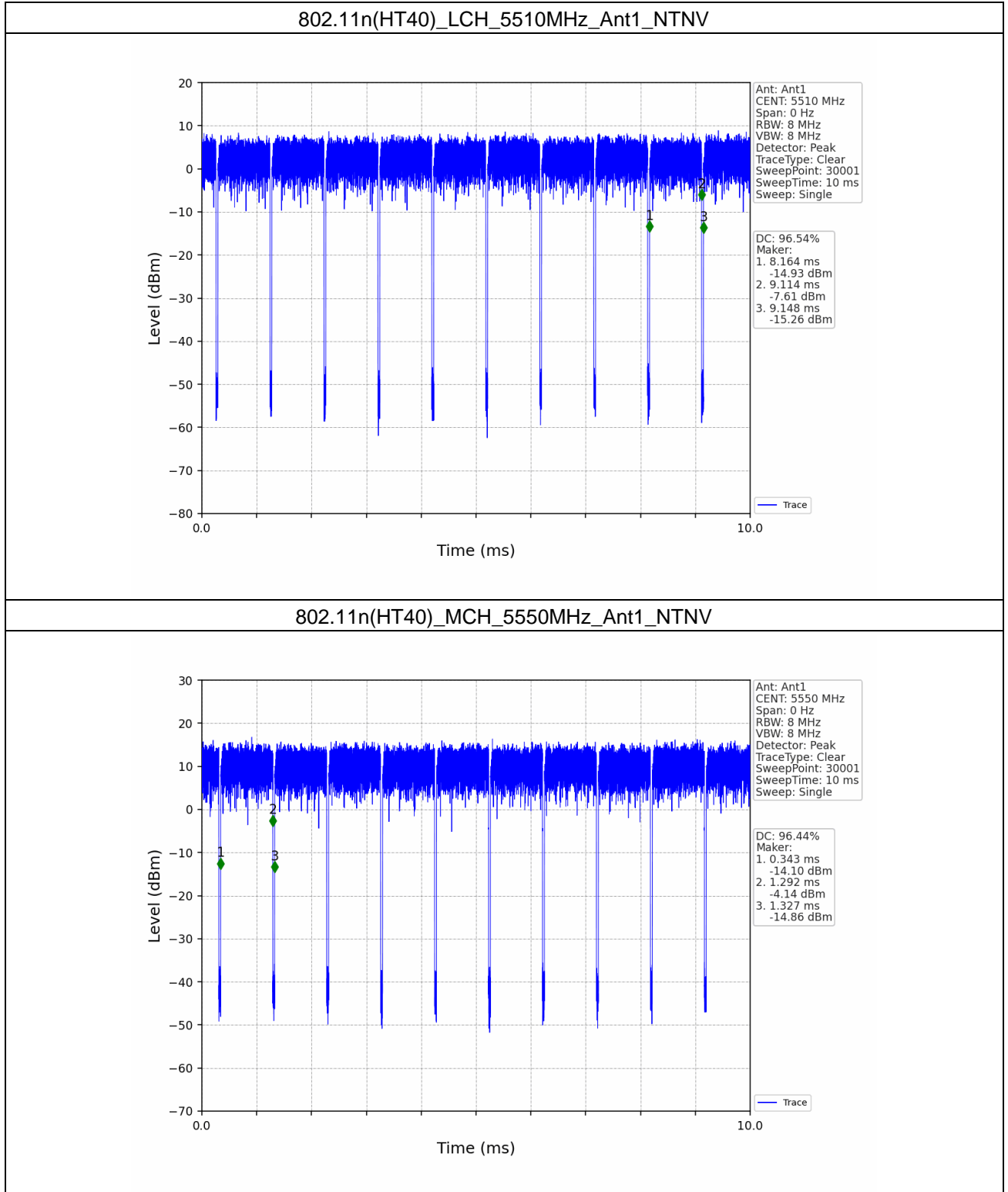
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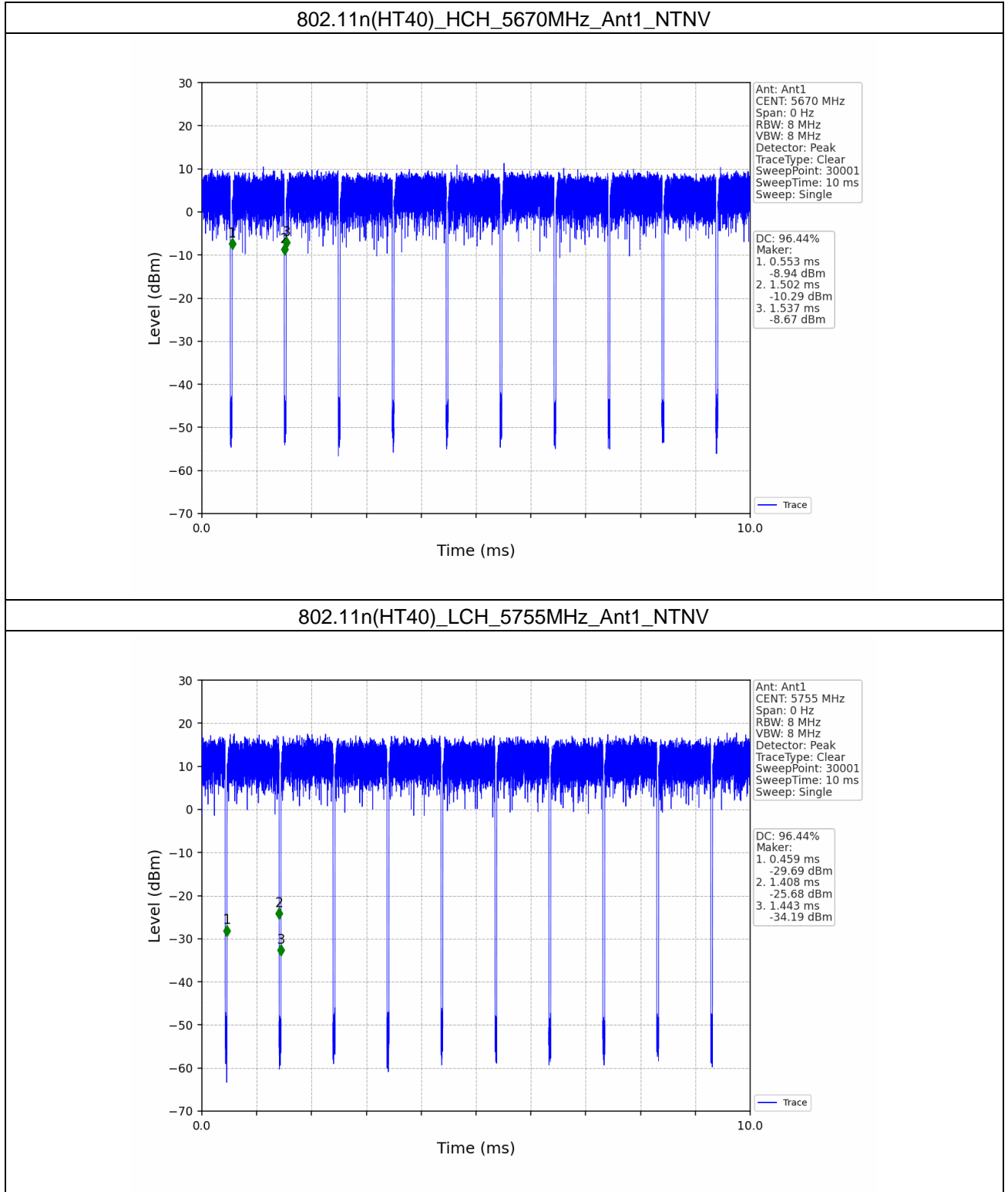
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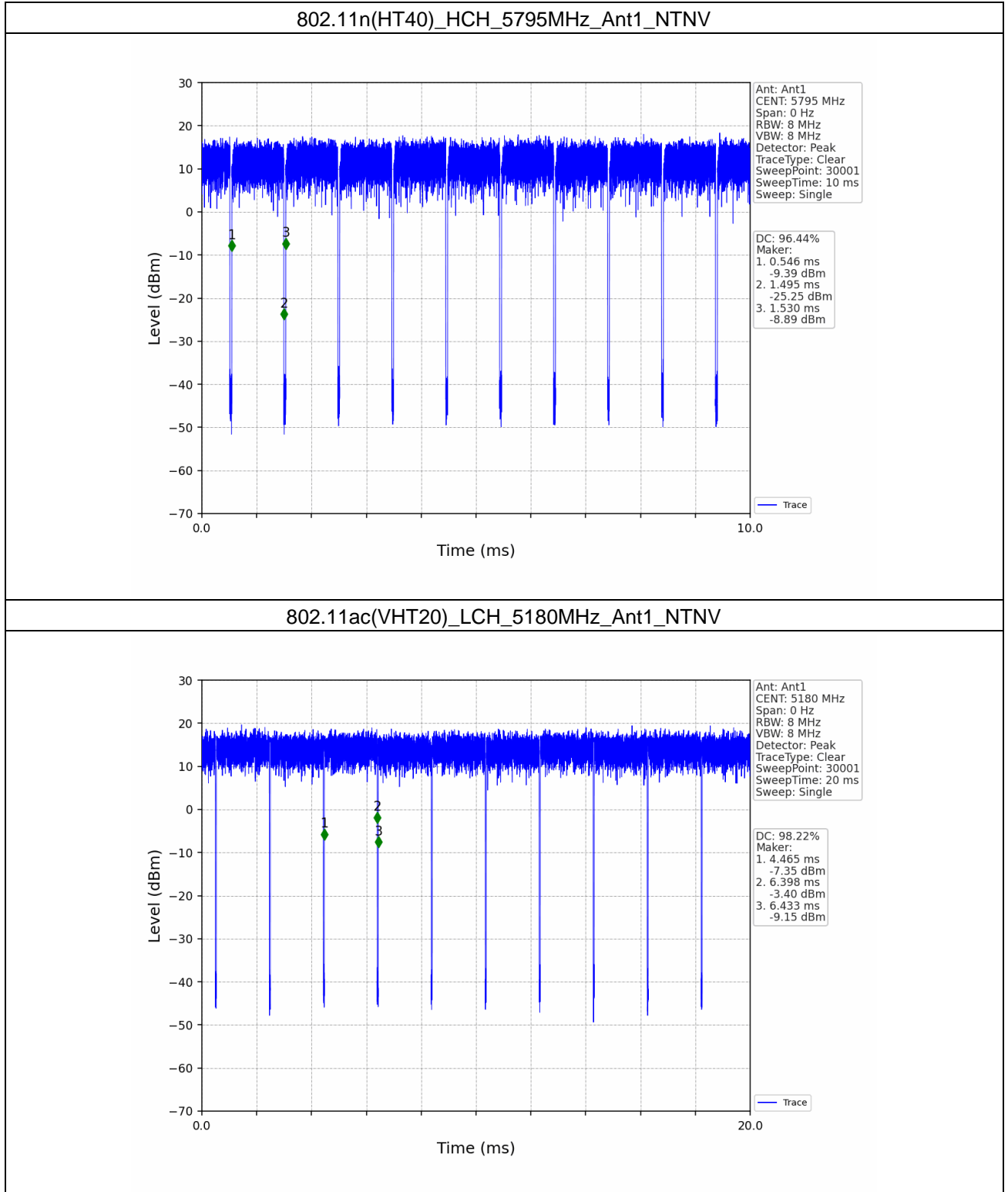
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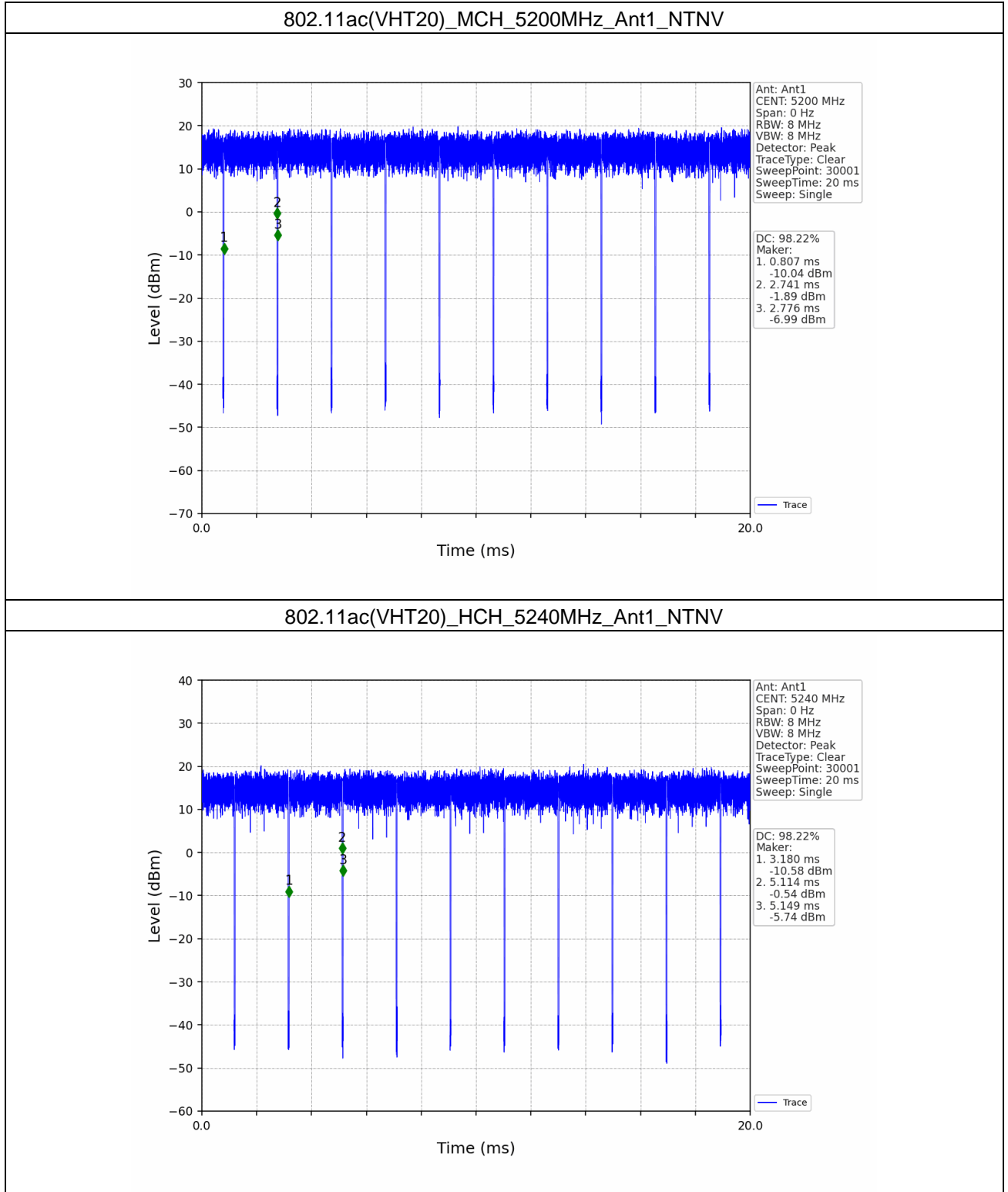
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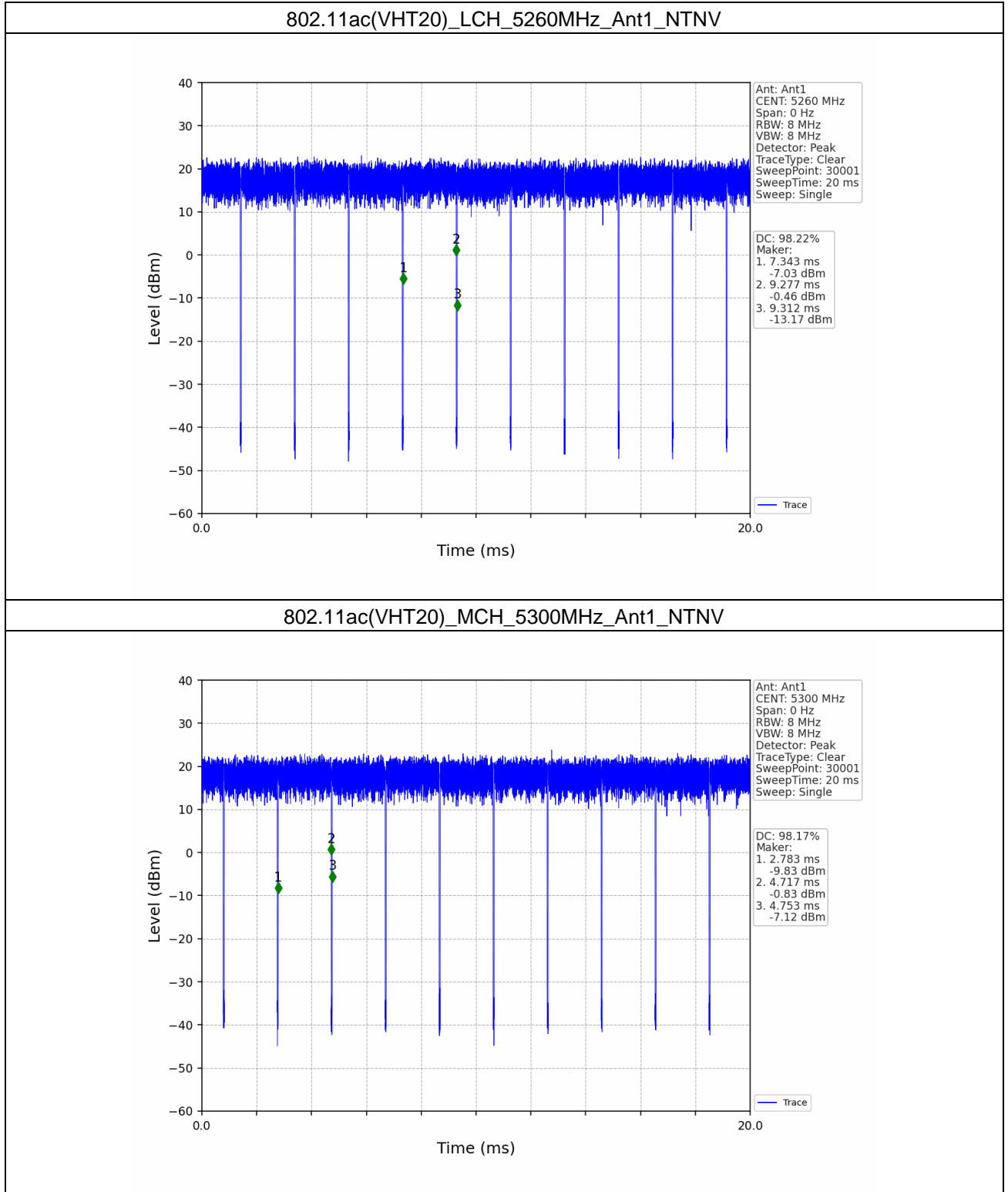
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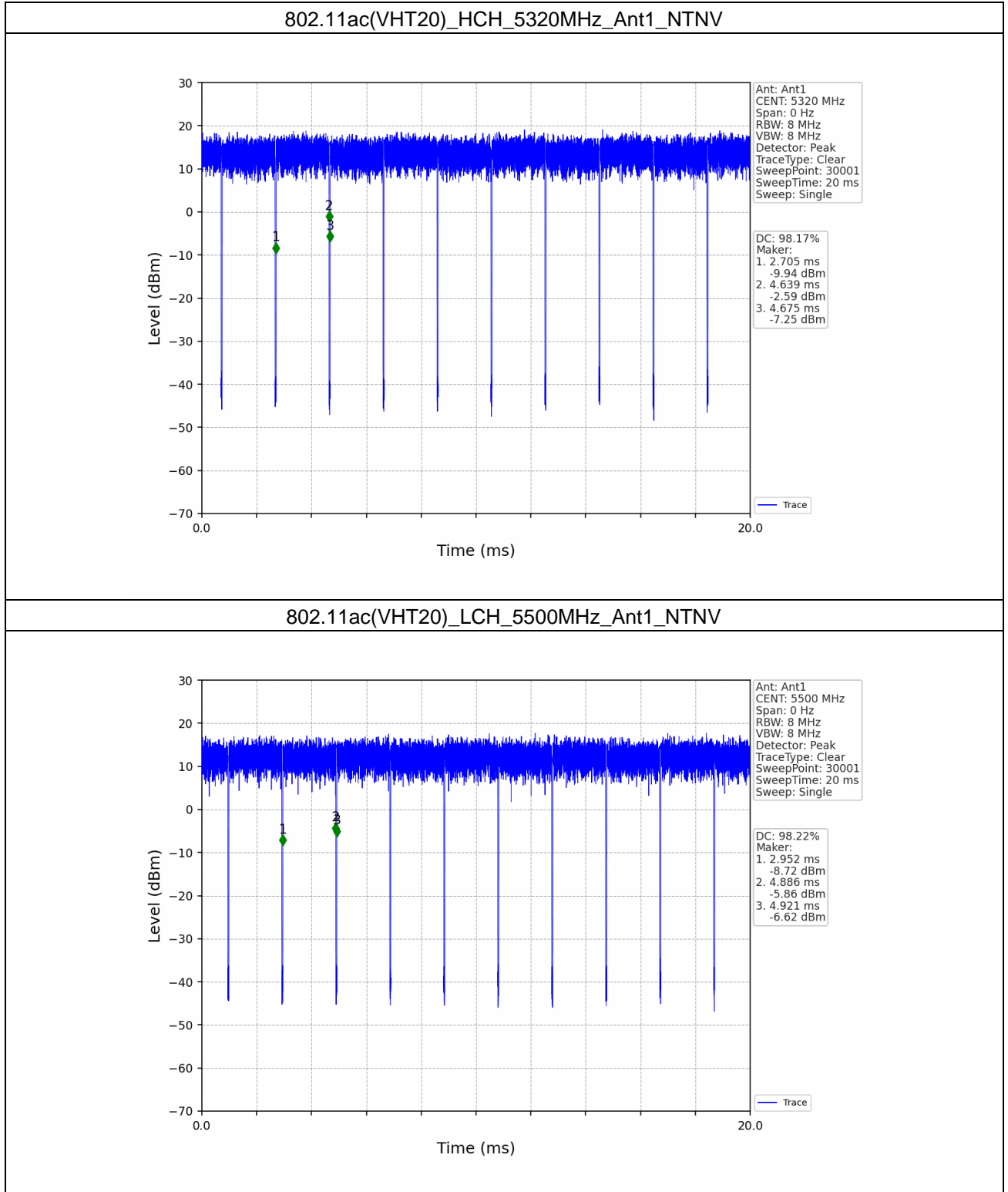
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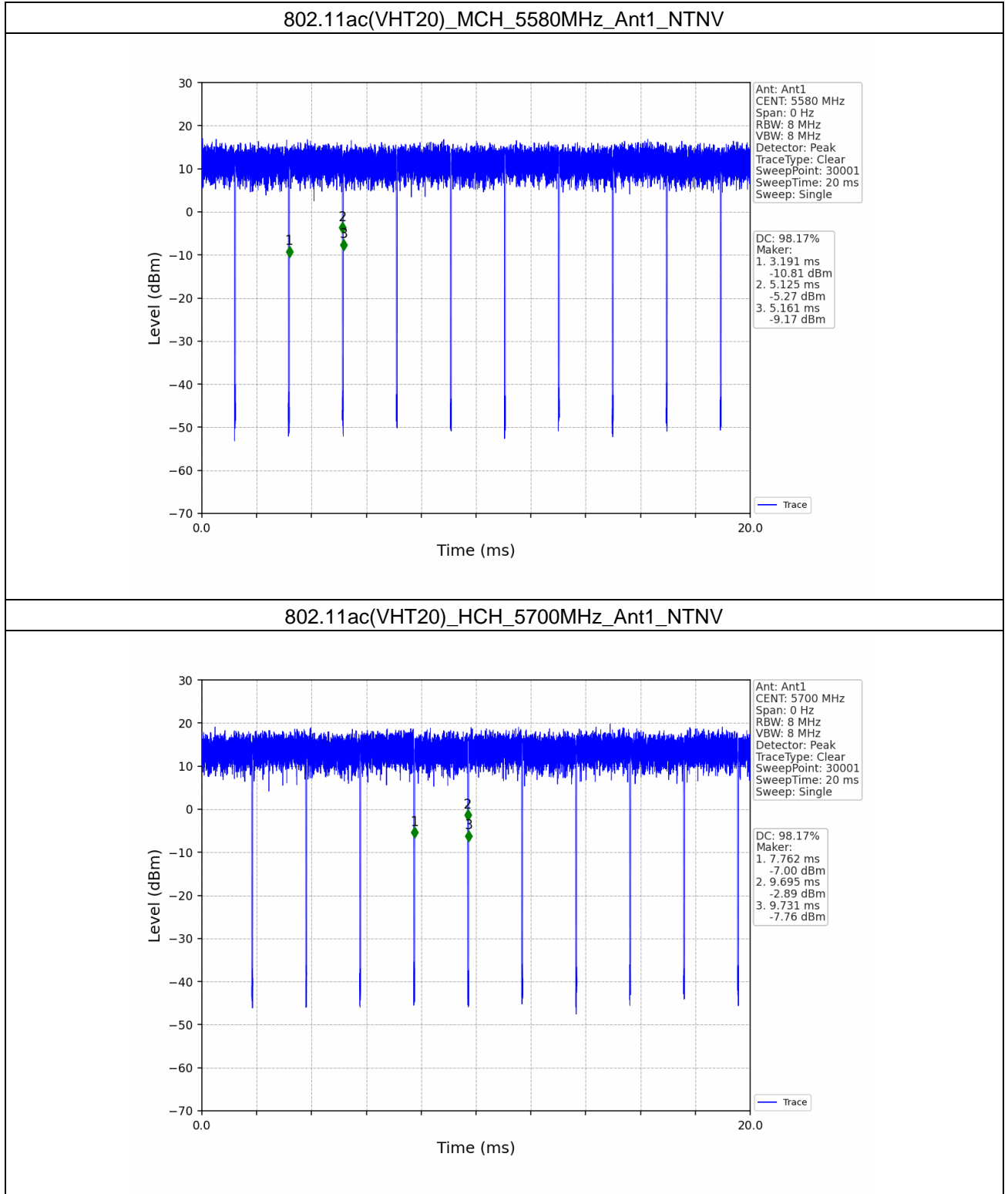


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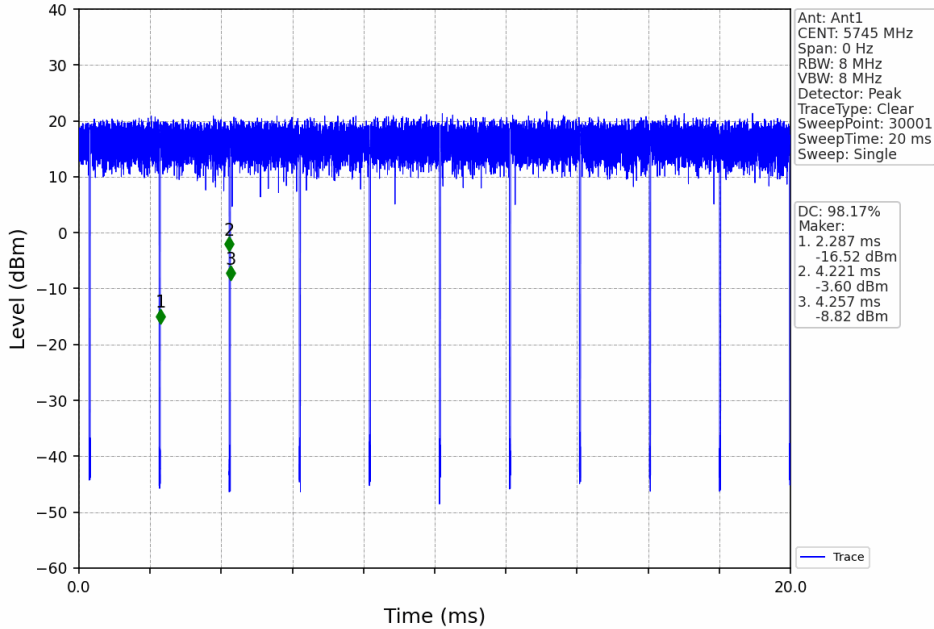
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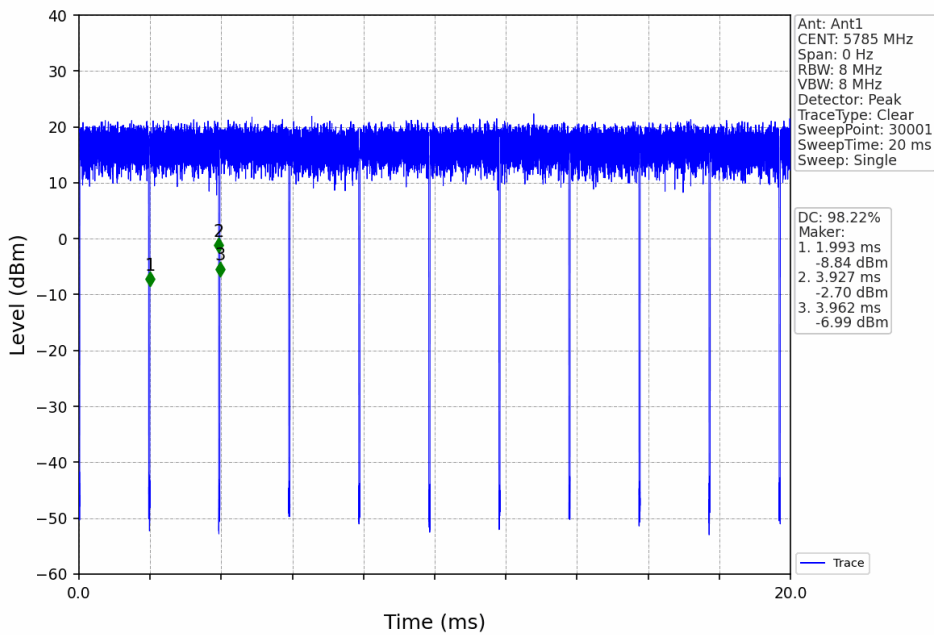
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802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV

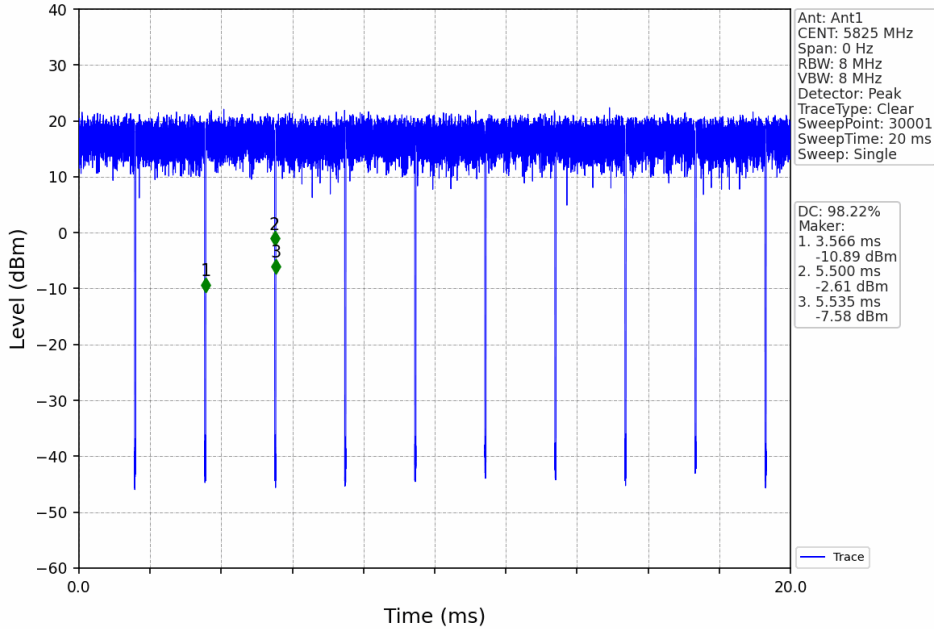


802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV

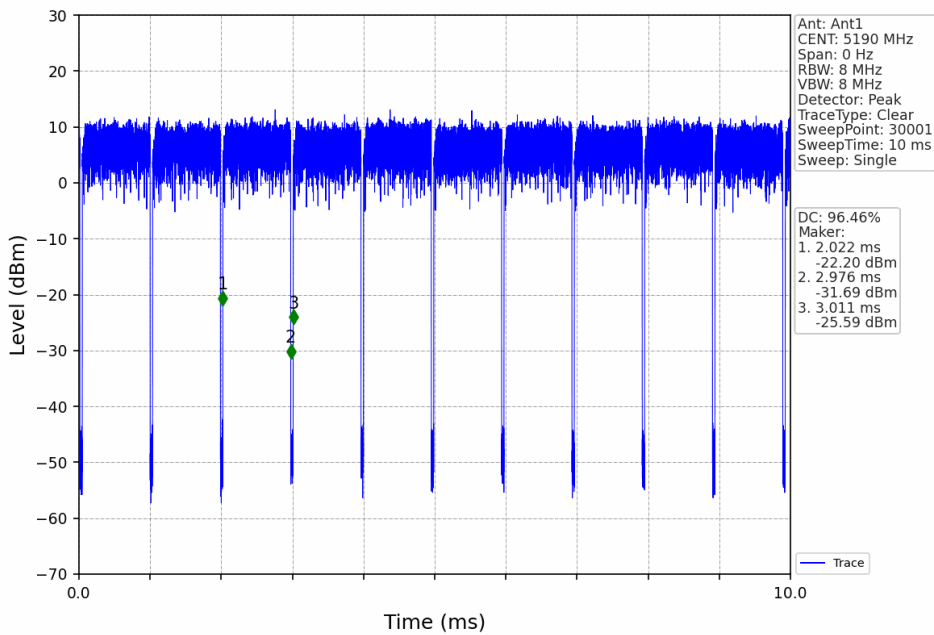


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802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



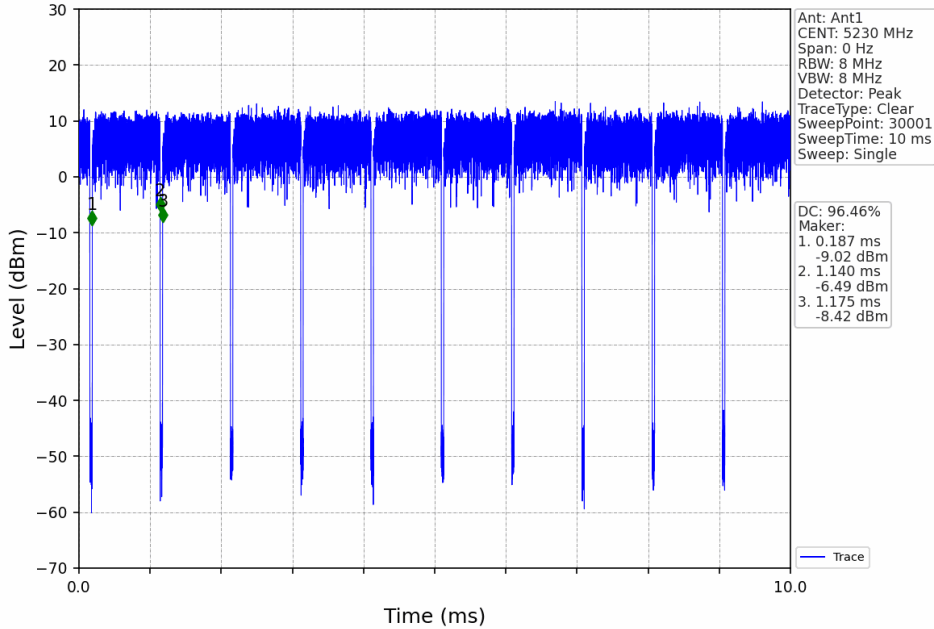
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



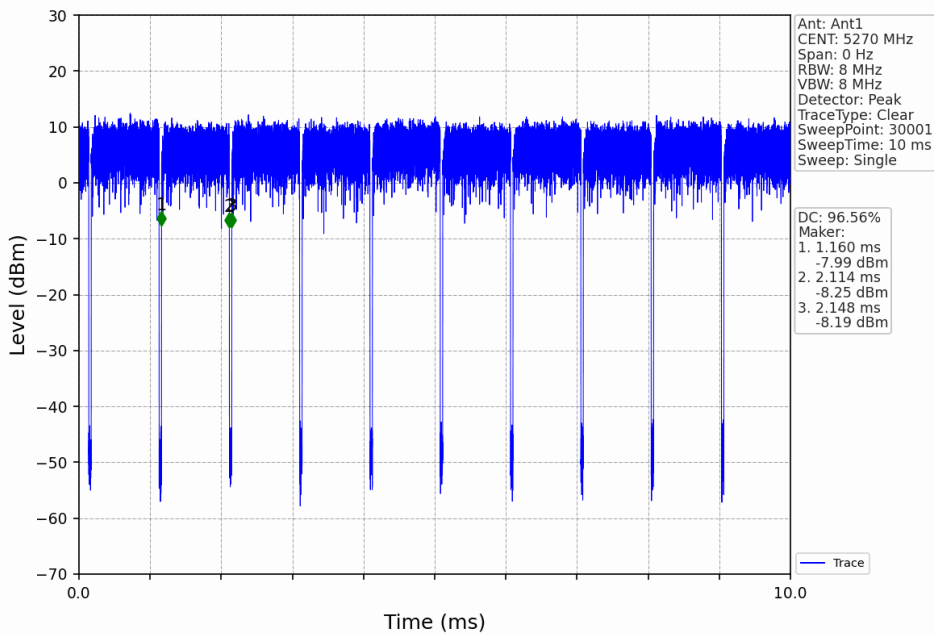
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802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV

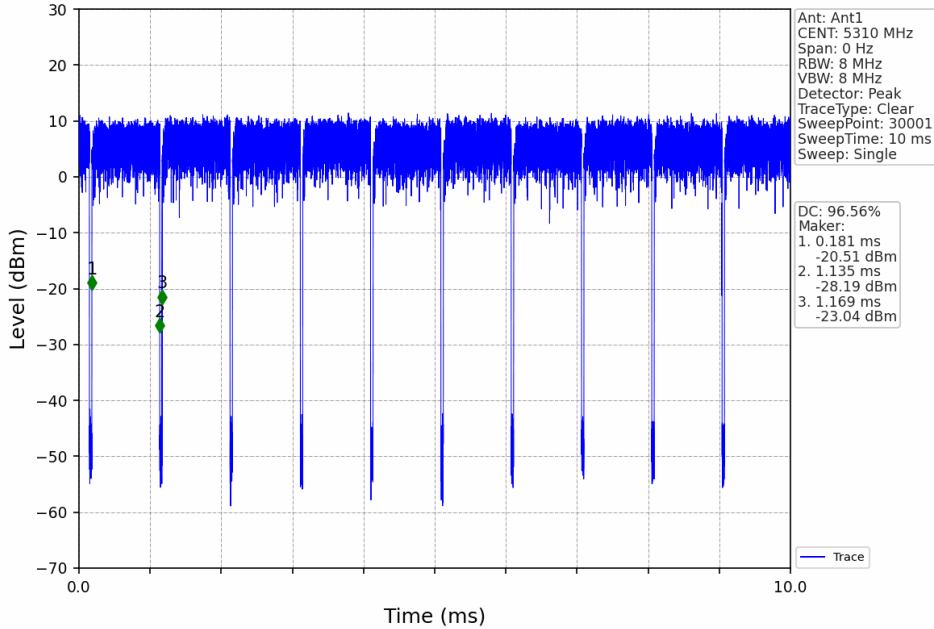


802.11ac(VHT40)_LCH_5270MHz_Ant1_NTNV

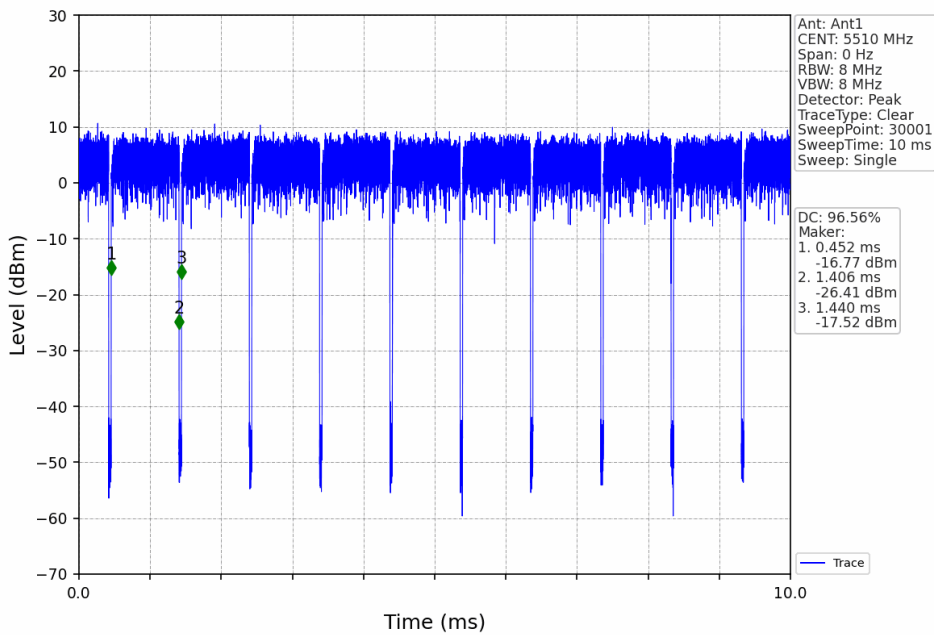


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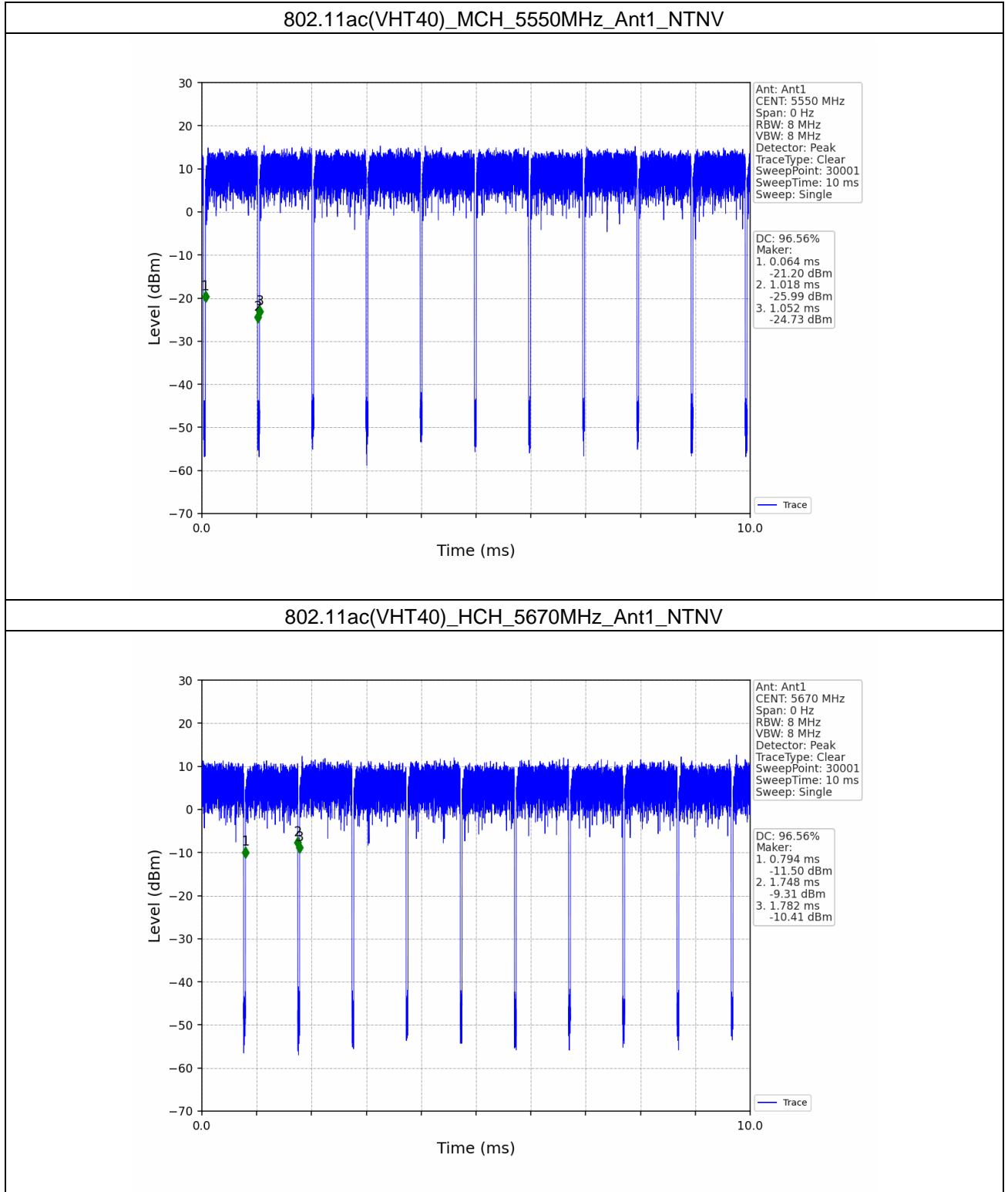
802.11ac(VHT40)_HCH_5310MHz_Ant1_NTNV



802.11ac(VHT40)_LCH_5510MHz_Ant1_NTNV



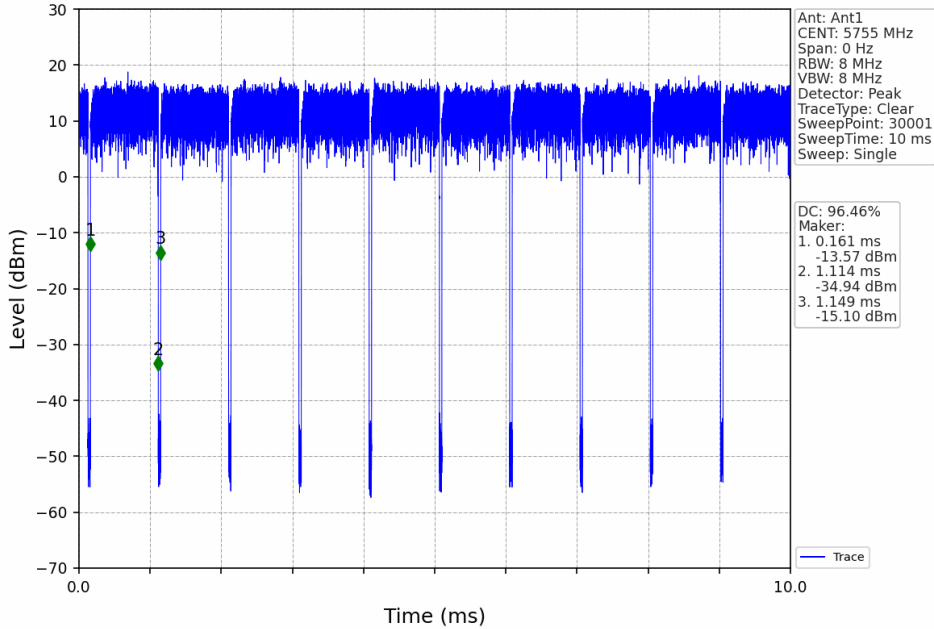
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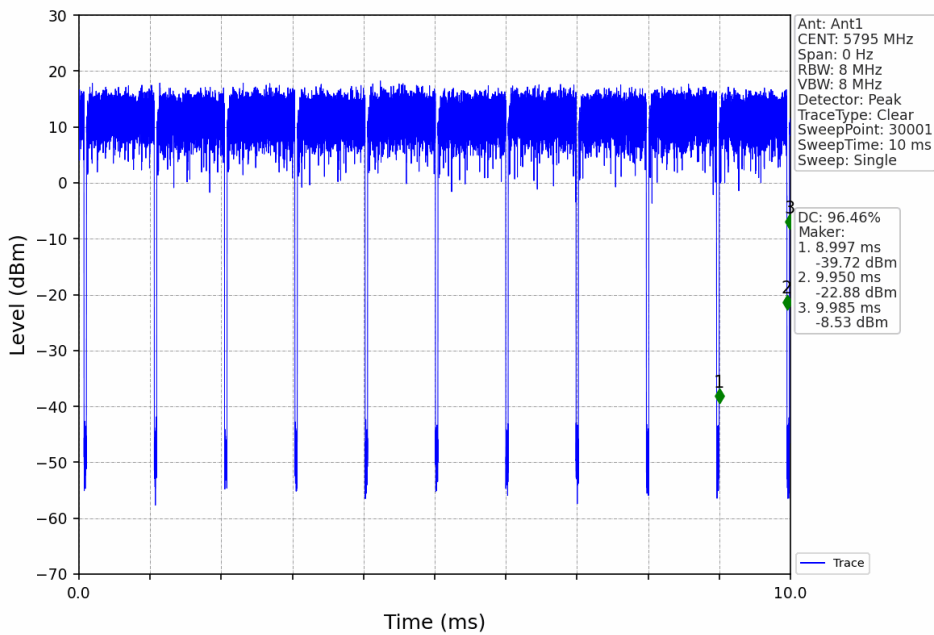
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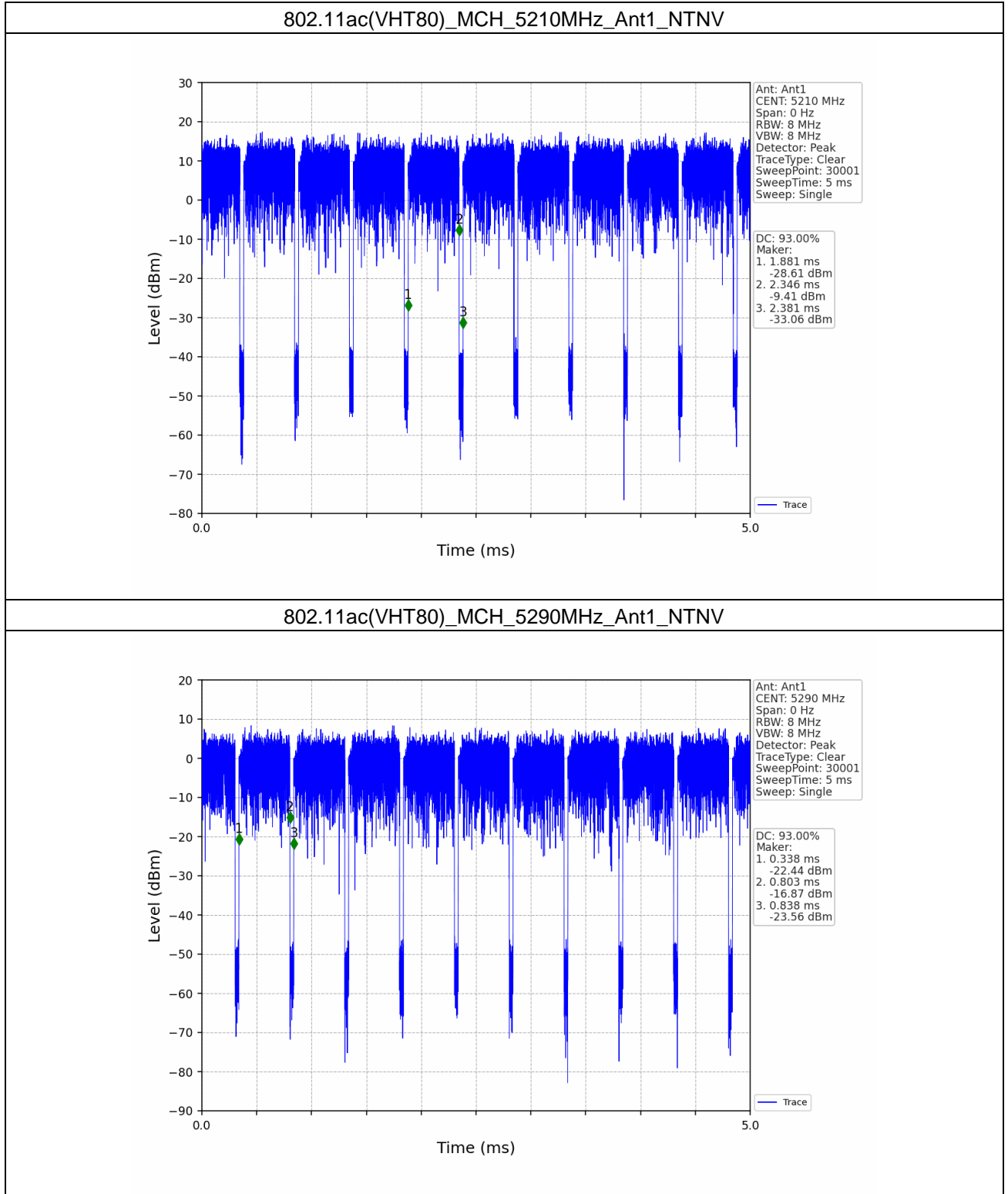
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



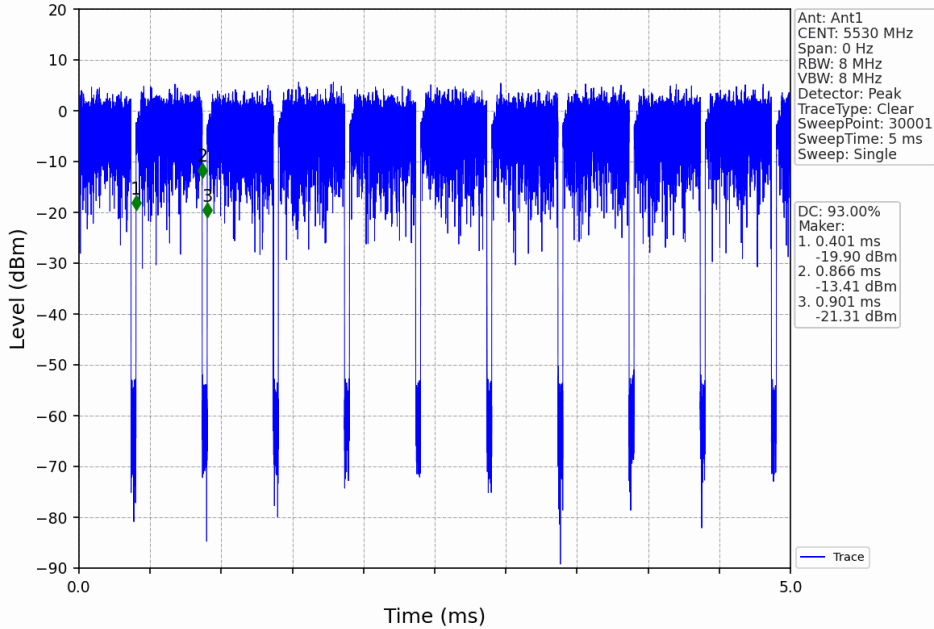
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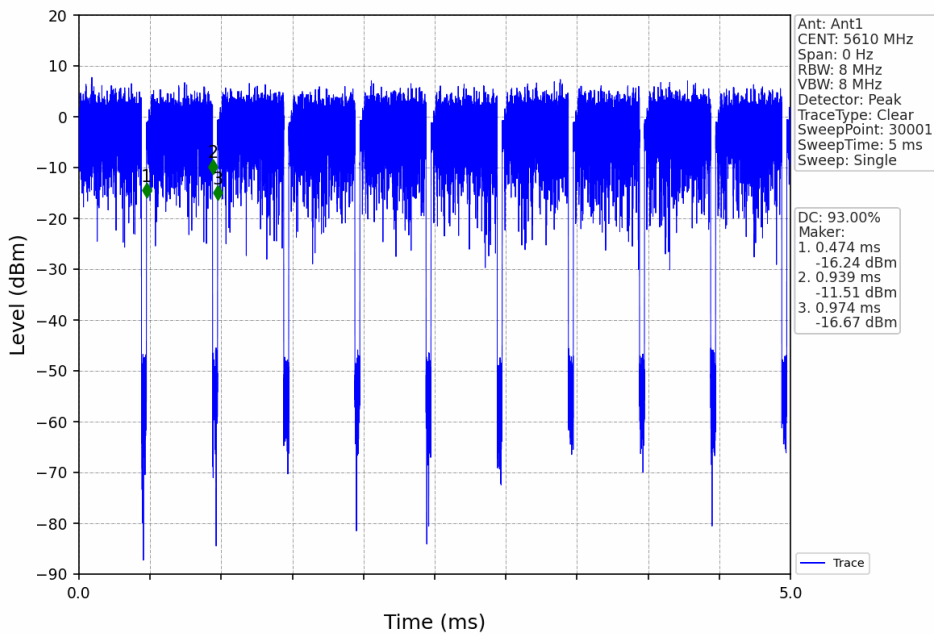
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802.11ac(VHT80)_LCH_5530MHz_Ant1_NTNV

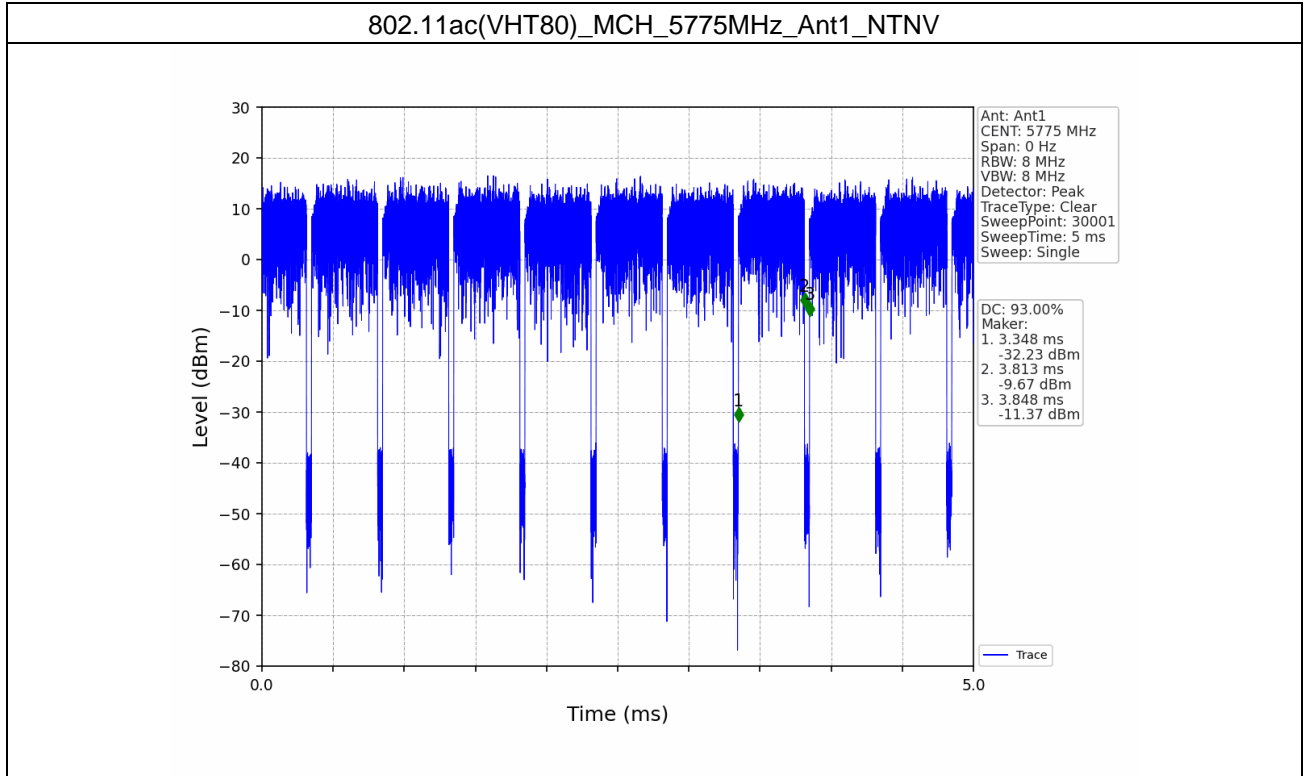


802.11ac(VHT80)_HCH_5610MHz_Ant1_NTNV



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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	MIMO	5180	1	17.080	Pass
		5200	1	17.350	Pass
		5240	1	17.158	Pass
		5260	1	17.184	Pass
		5300	1	17.231	Pass
		5320	1	17.118	Pass
		5500	1	17.173	Pass
		5580	1	17.116	Pass
		5700	1	17.094	Pass
		5745	1	17.139	Pass
		5785	1	17.186	Pass
802.11n (HT20)	MIMO	5180	1	18.336	Pass
		5200	1	18.278	Pass
		5240	1	18.284	Pass
		5260	1	18.424	Pass
		5300	1	18.375	Pass
		5320	1	18.358	Pass
		5500	1	18.246	Pass
		5580	1	18.257	Pass
		5700	1	18.252	Pass
		5745	1	18.477	Pass
		5785	1	18.421	Pass
802.11n (HT40)	MIMO	5190	1	36.673	Pass
		5230	1	36.543	Pass
		5270	1	36.622	Pass
		5310	1	36.642	Pass
		5510	1	36.608	Pass
		5550	1	36.972	Pass



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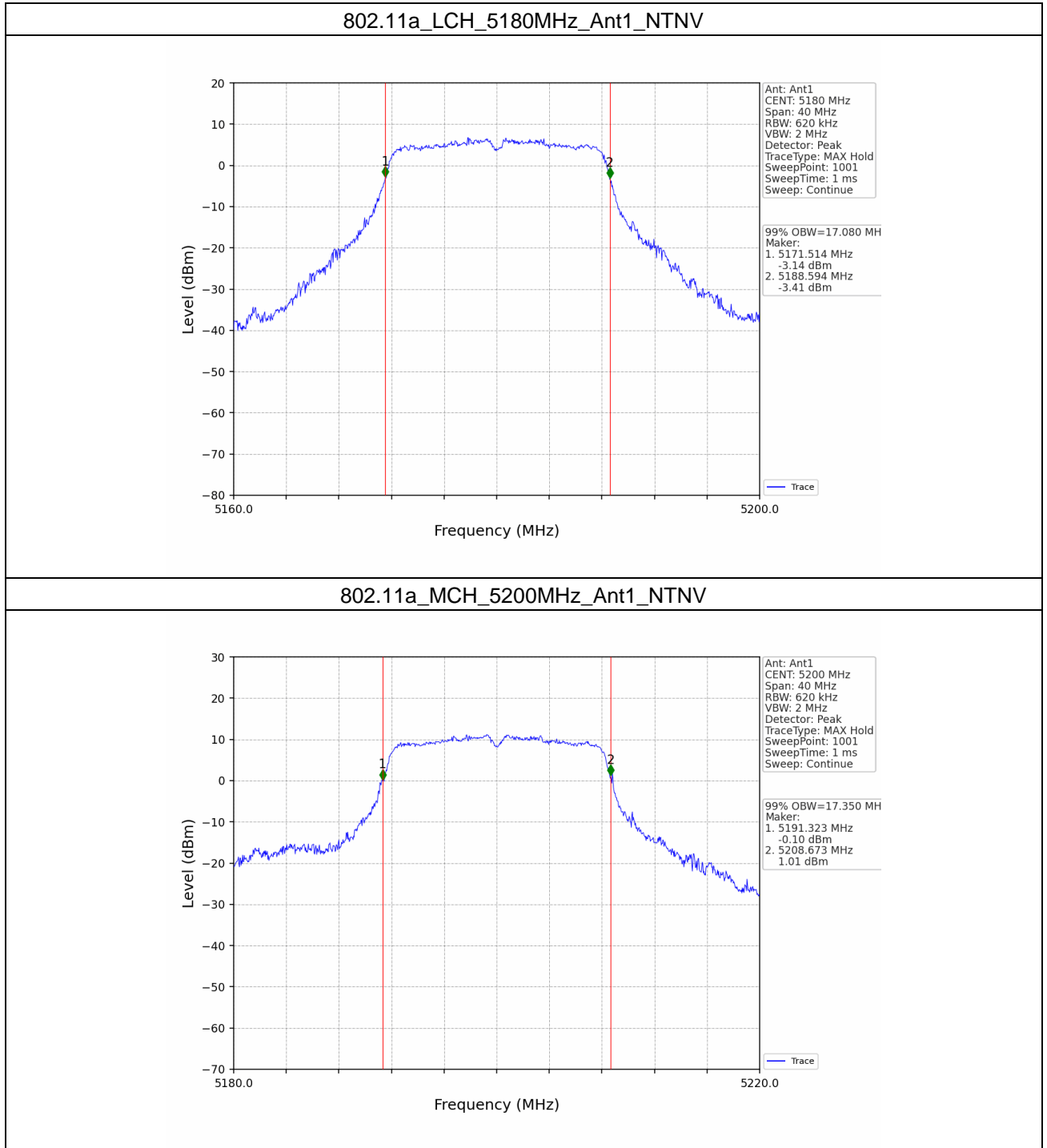
		5670	1	36.612	Pass
		5755	1	37.013	Pass
		5795	1	36.772	Pass
802.11ac (VHT20)	MIMO	5180	1	18.318	Pass
		5200	1	18.280	Pass
		5240	1	18.320	Pass
		5260	1	18.397	Pass
		5300	1	18.594	Pass
		5320	1	18.321	Pass
		5500	1	18.280	Pass
		5580	1	18.263	Pass
		5700	1	18.290	Pass
		5745	1	18.512	Pass
		5785	1	18.420	Pass
		5825	1	18.443	Pass
802.11ac (VHT40)	MIMO	5190	1	36.544	Pass
		5230	1	36.513	Pass
		5270	1	36.603	Pass
		5310	1	36.598	Pass
		5510	1	36.536	Pass
		5550	1	36.828	Pass
		5670	1	36.558	Pass
		5755	1	36.812	Pass
		5795	1	36.848	Pass
802.11ac (VHT80)	MIMO	5210	1	75.738	Pass
		5290	1	75.858	Pass
		5530	1	75.791	Pass
		5610	1	75.660	Pass
		5775	1	76.148	Pass



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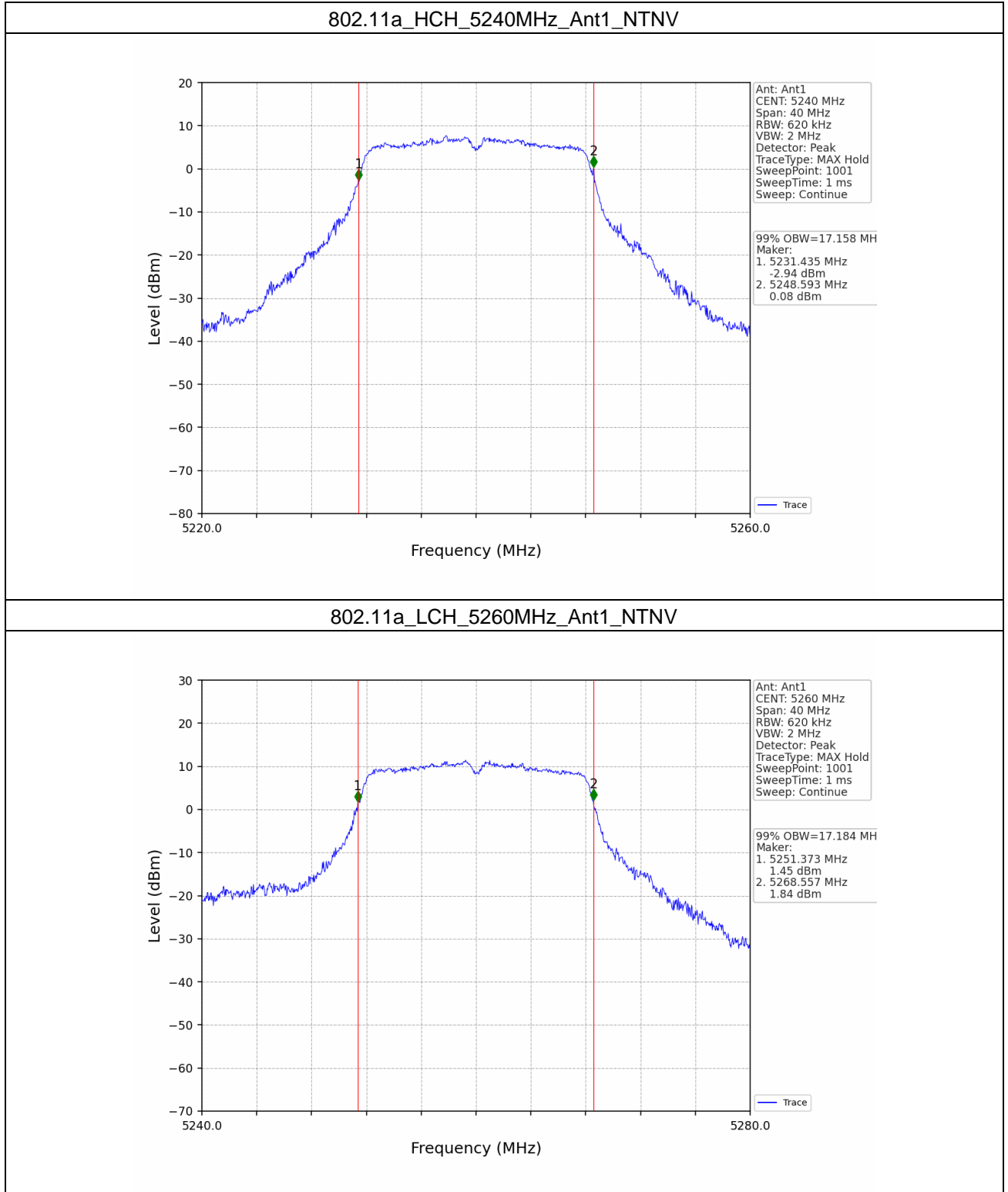
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2.1.2 Test Graph



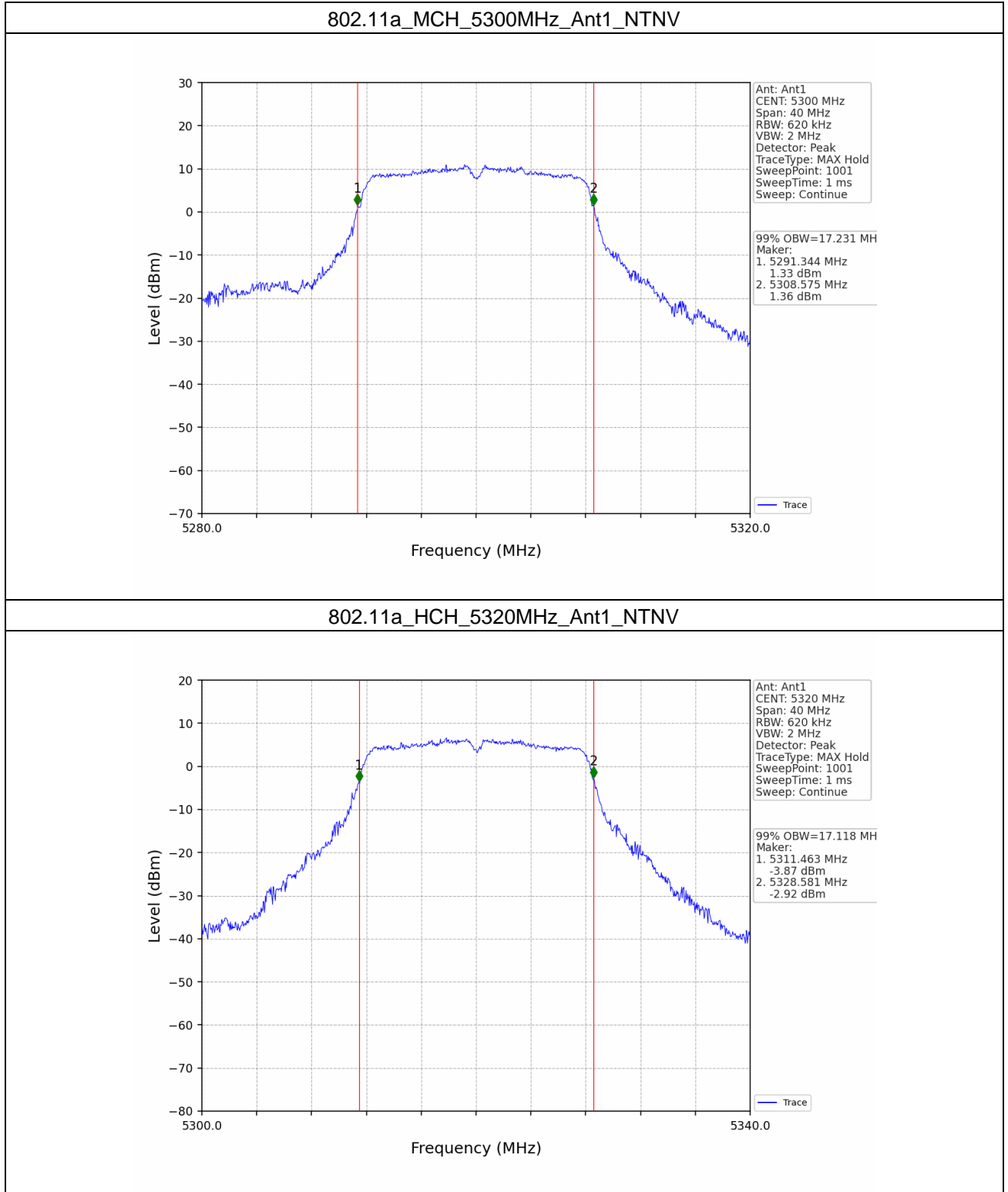
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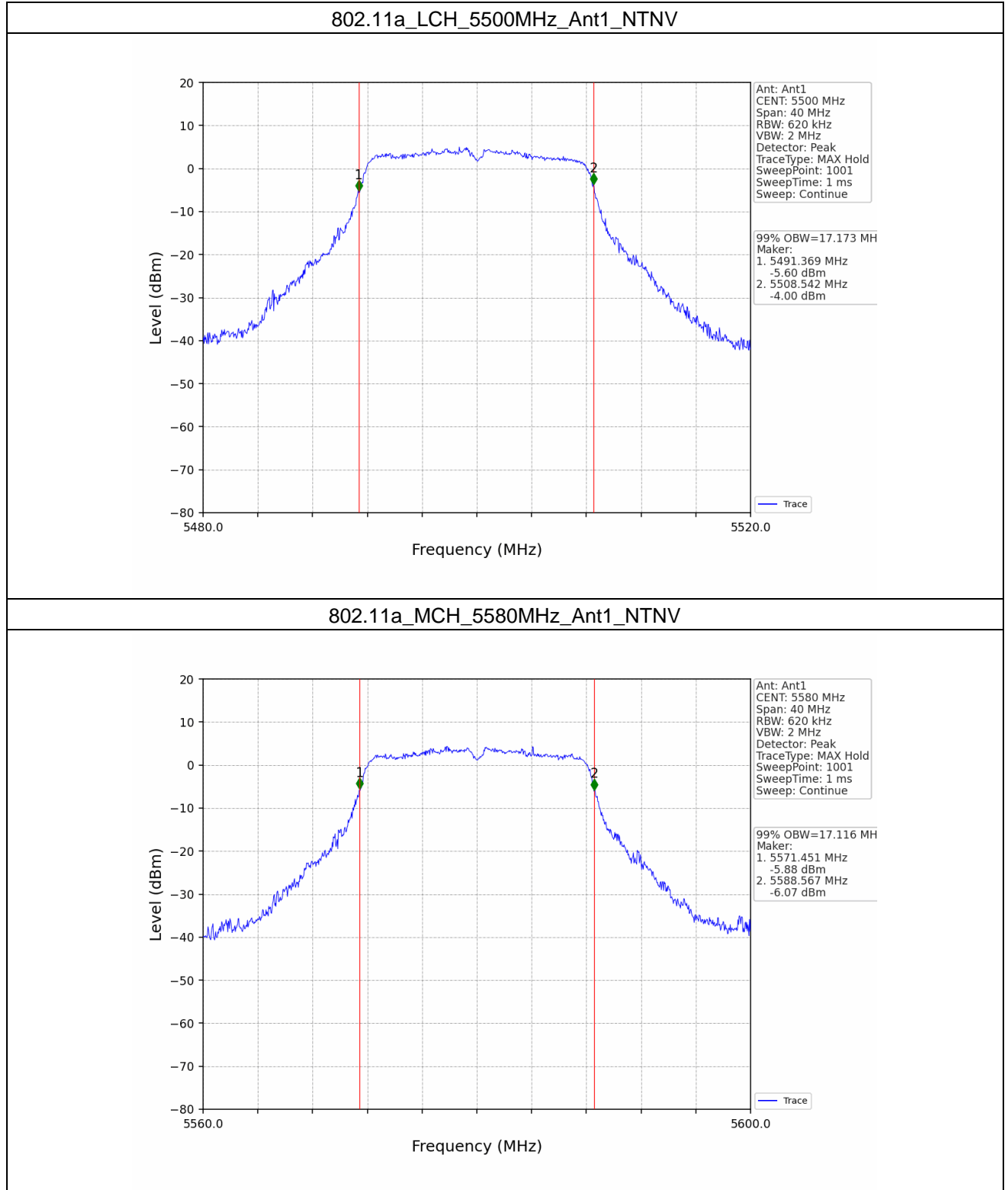
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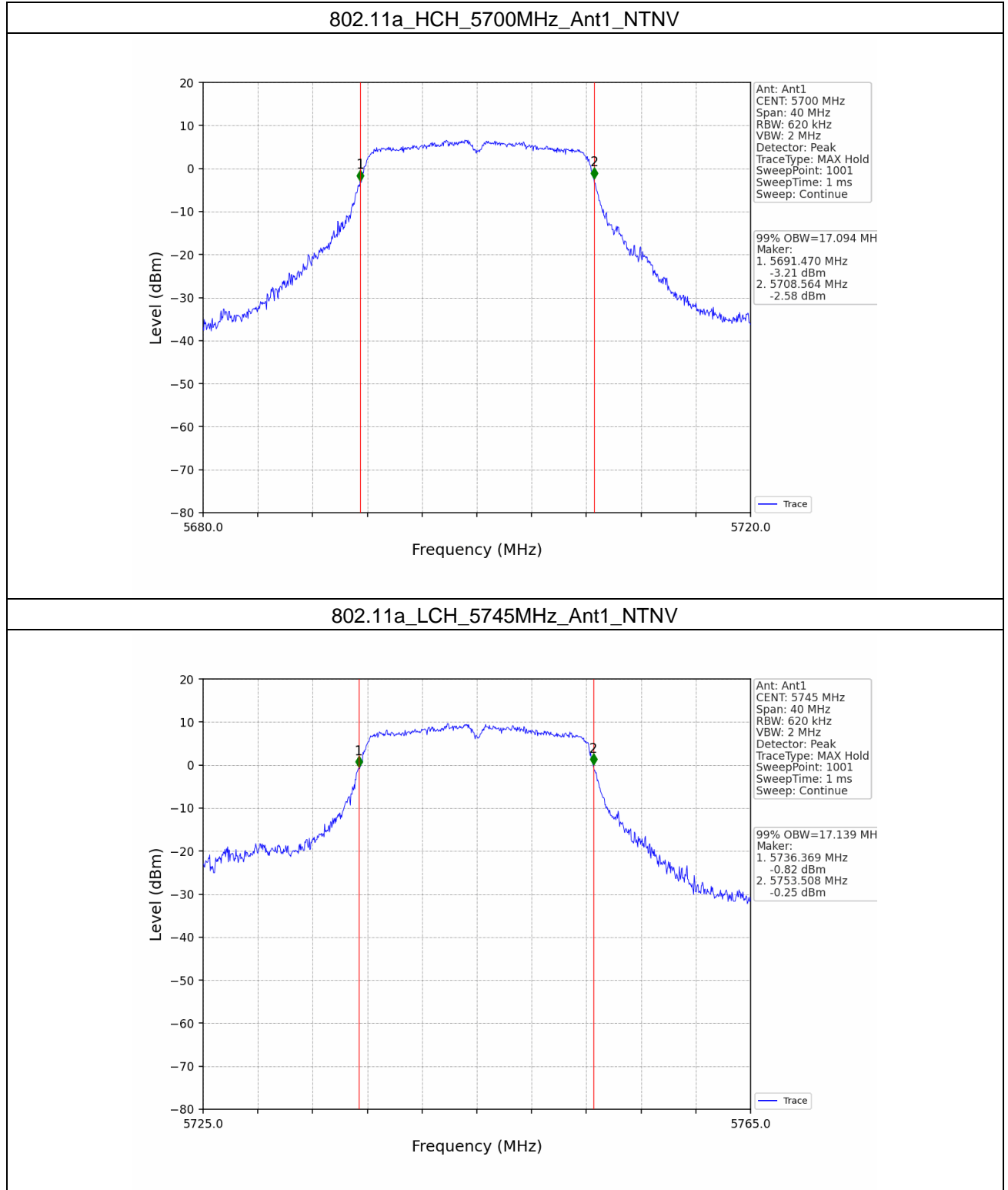
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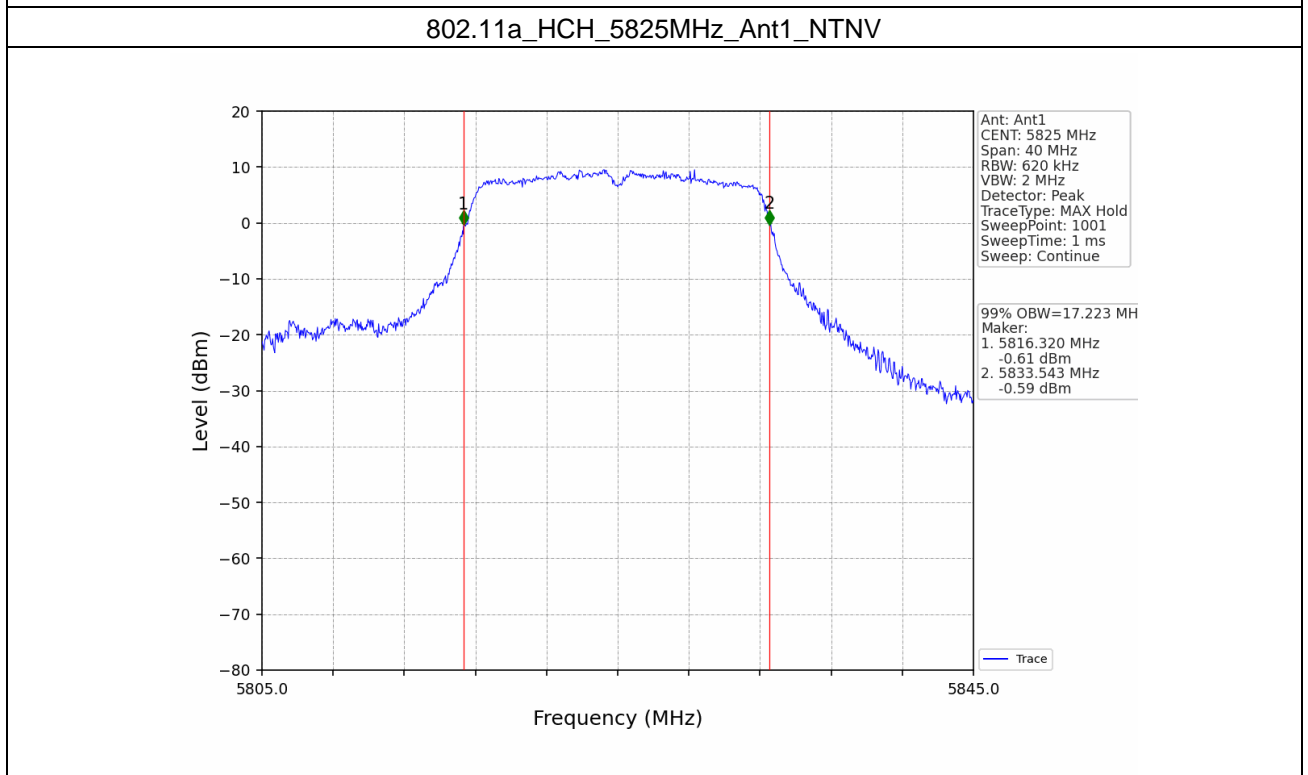
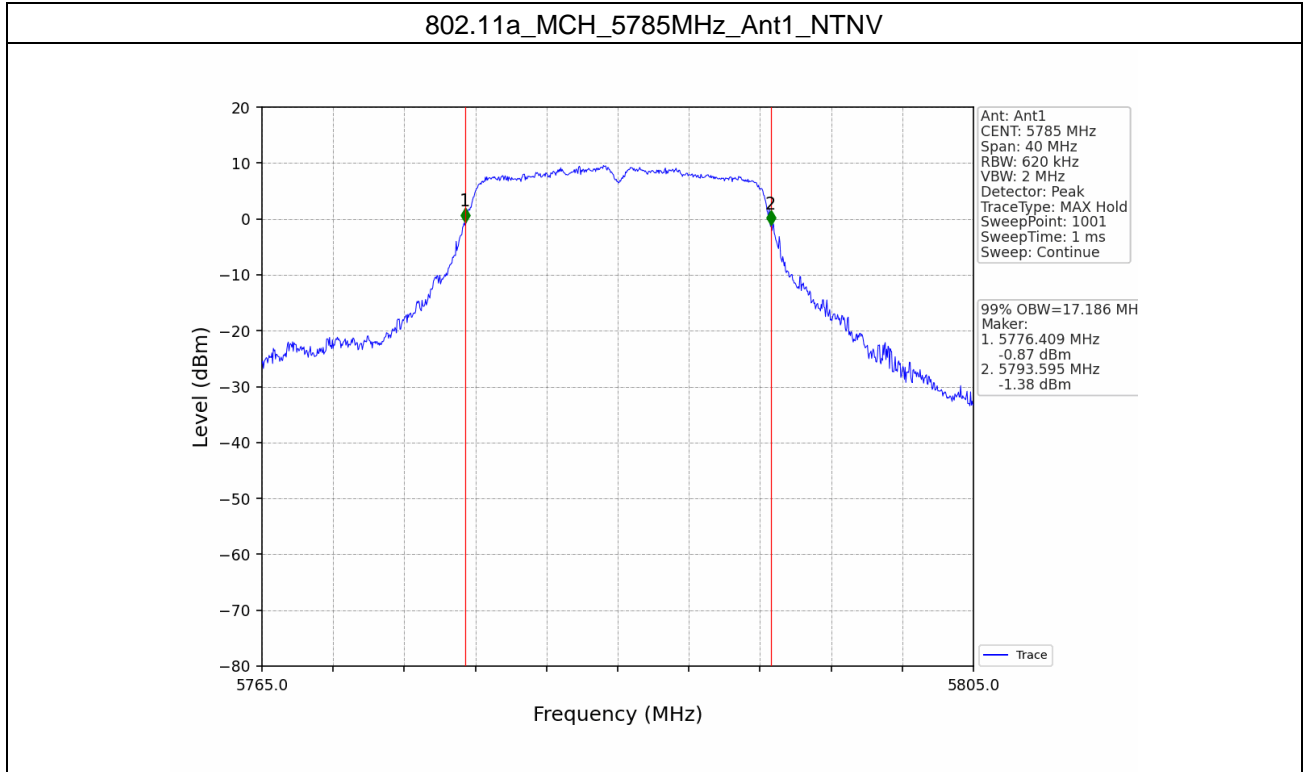
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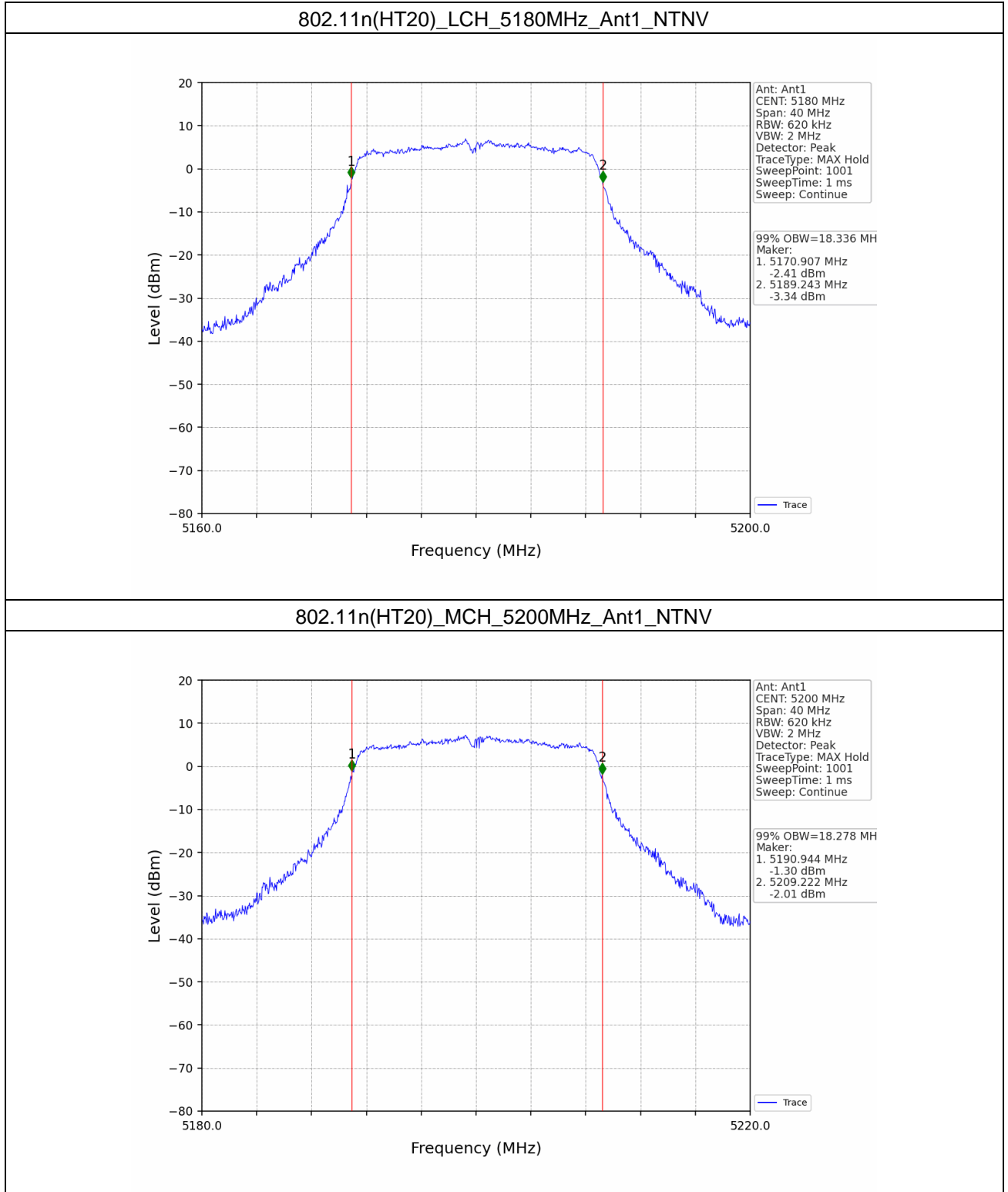
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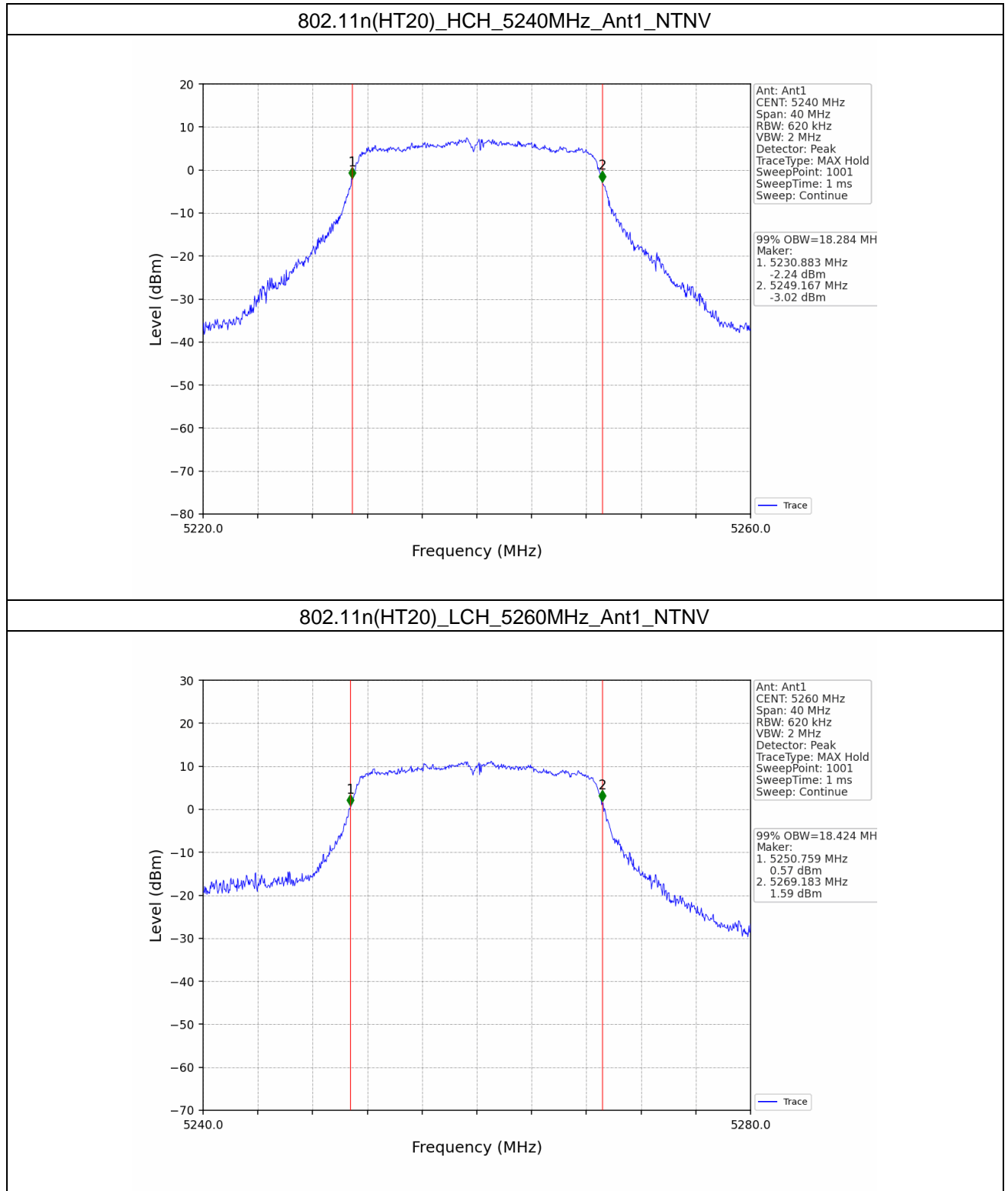
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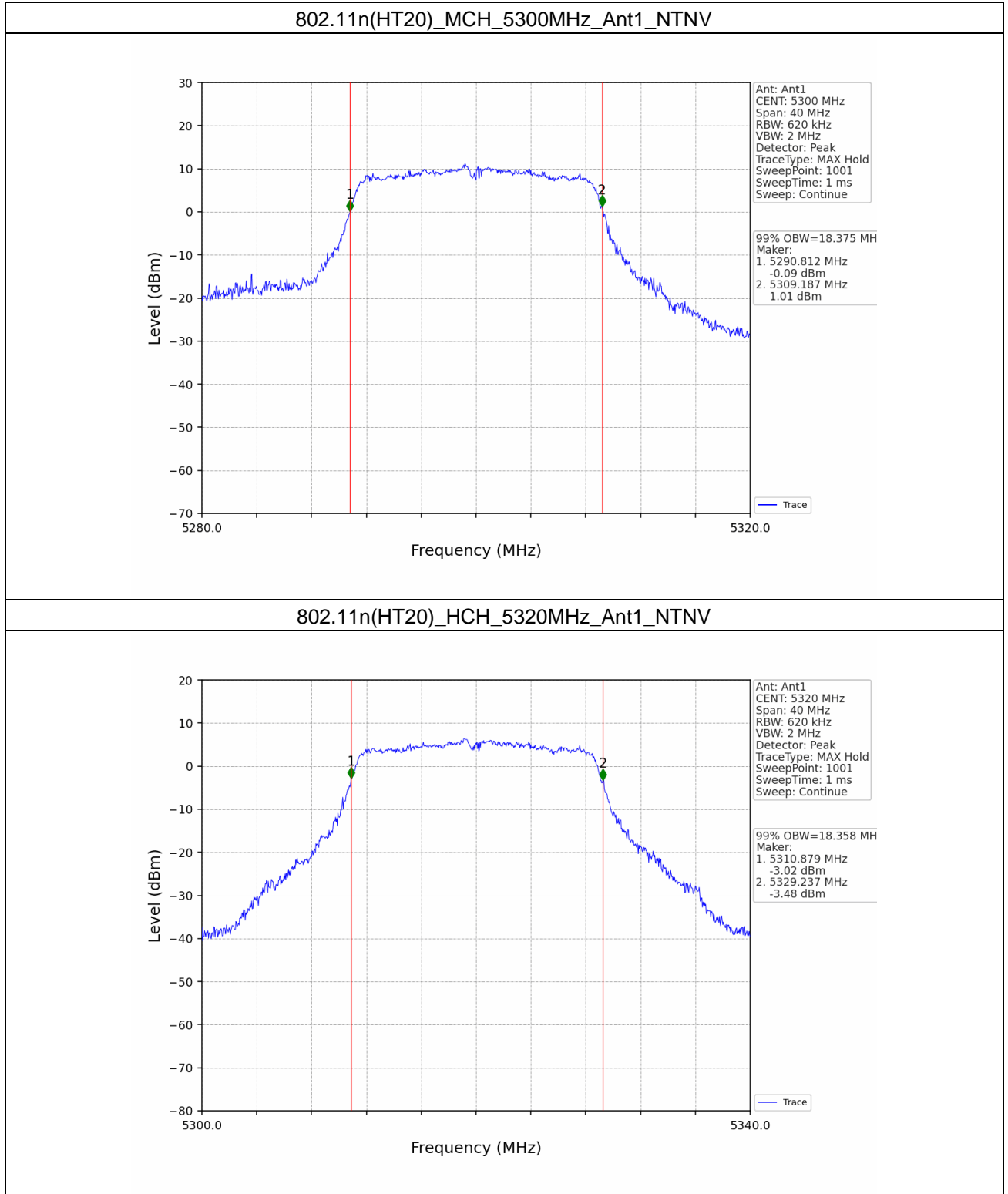
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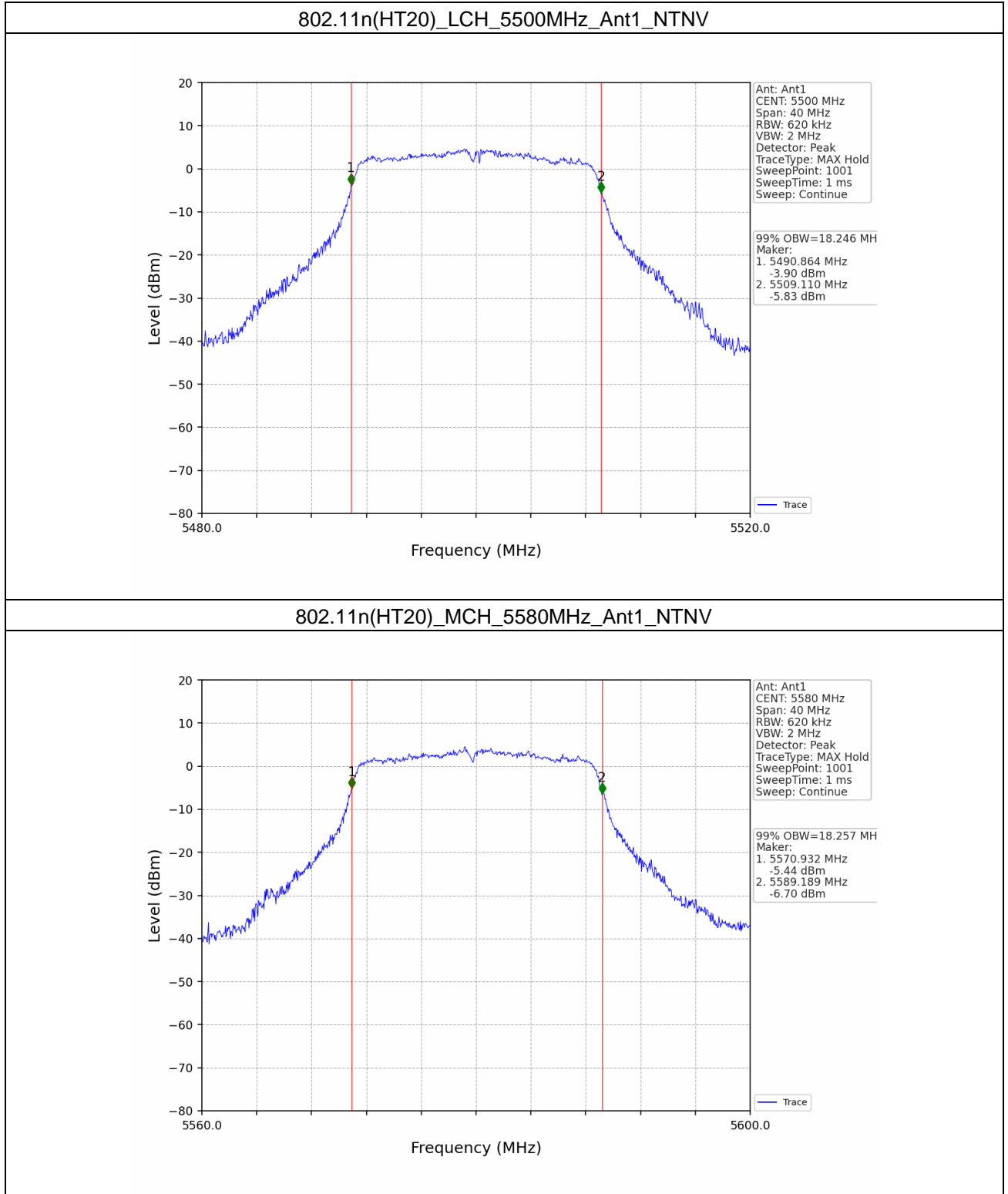
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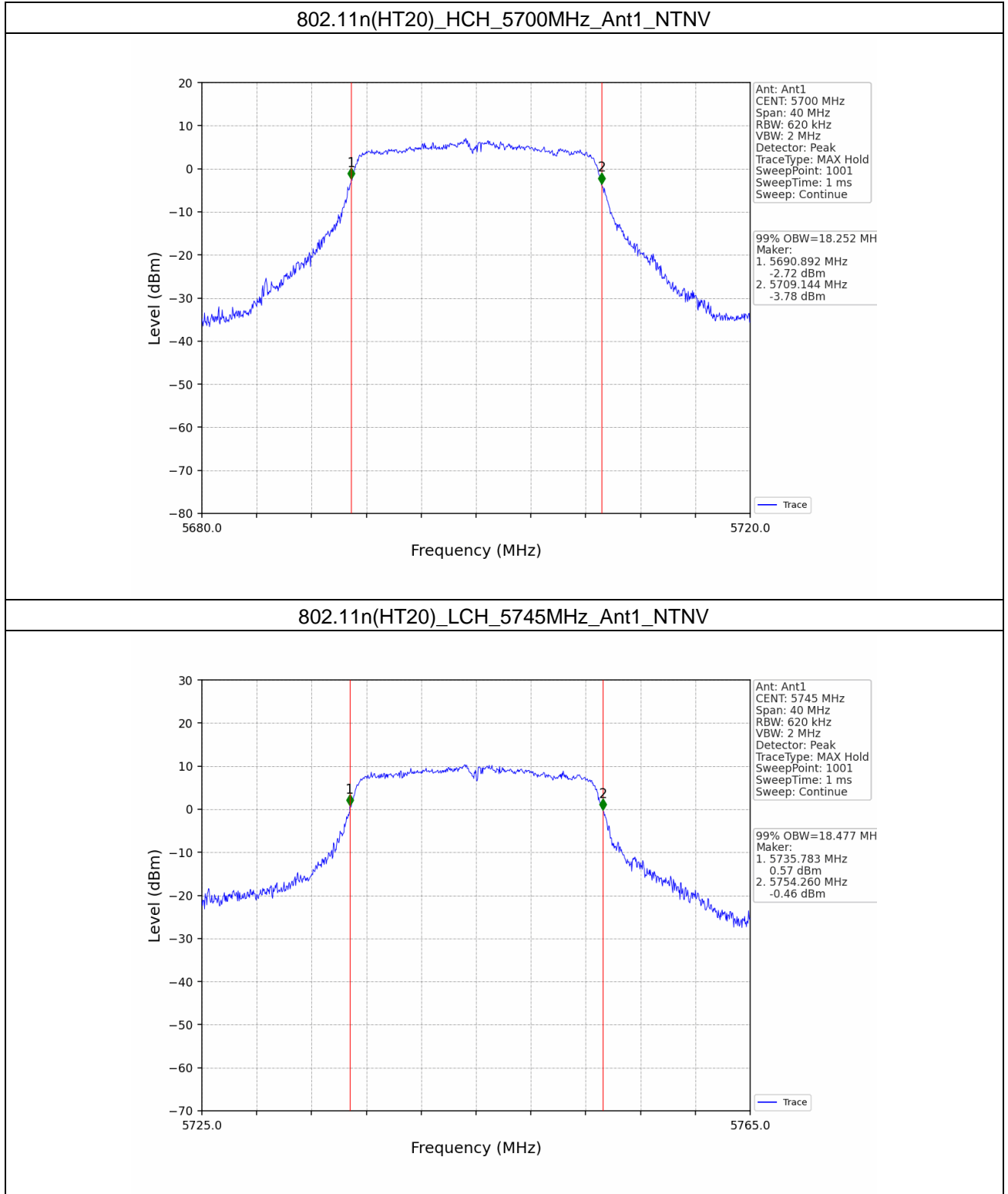
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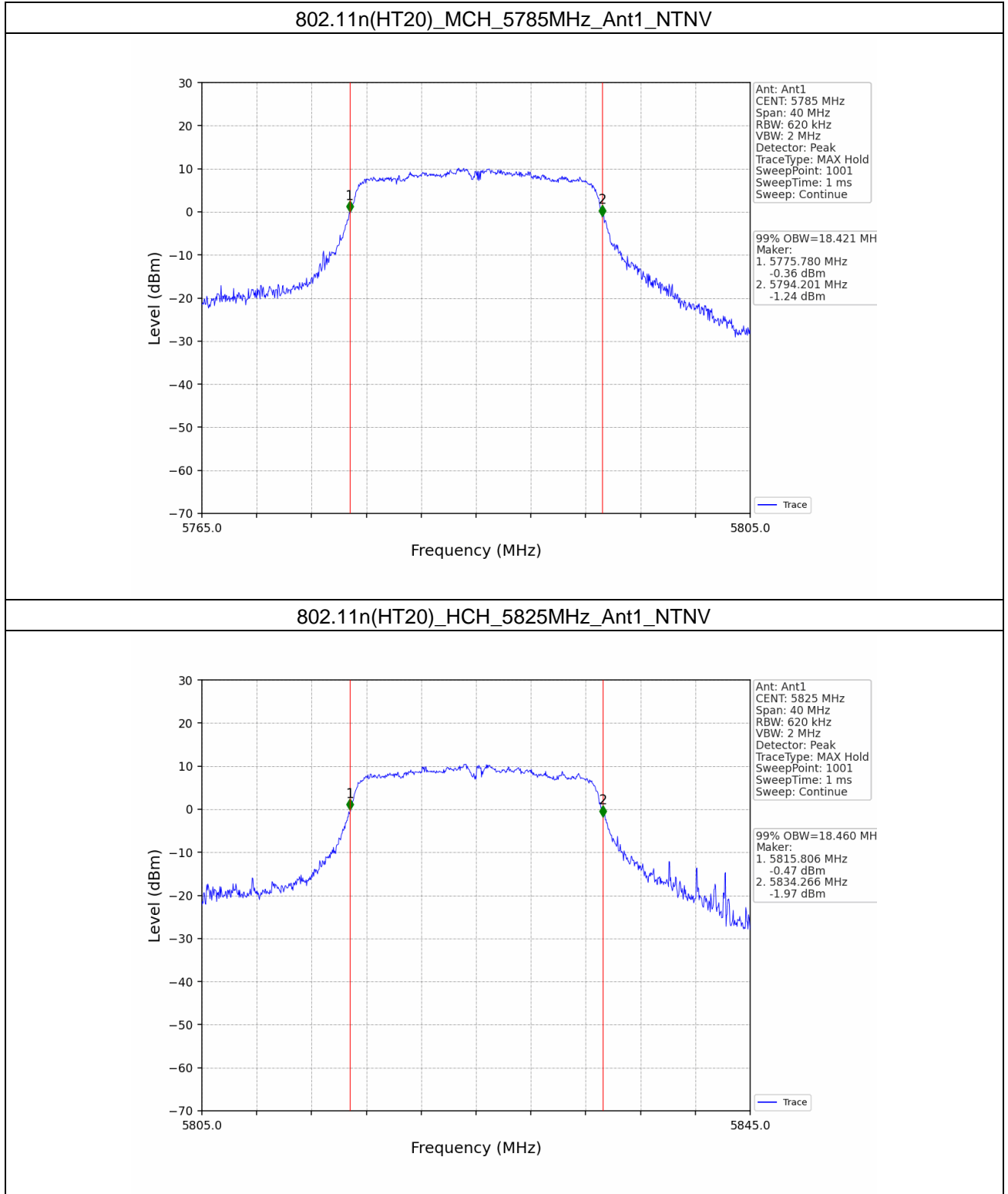
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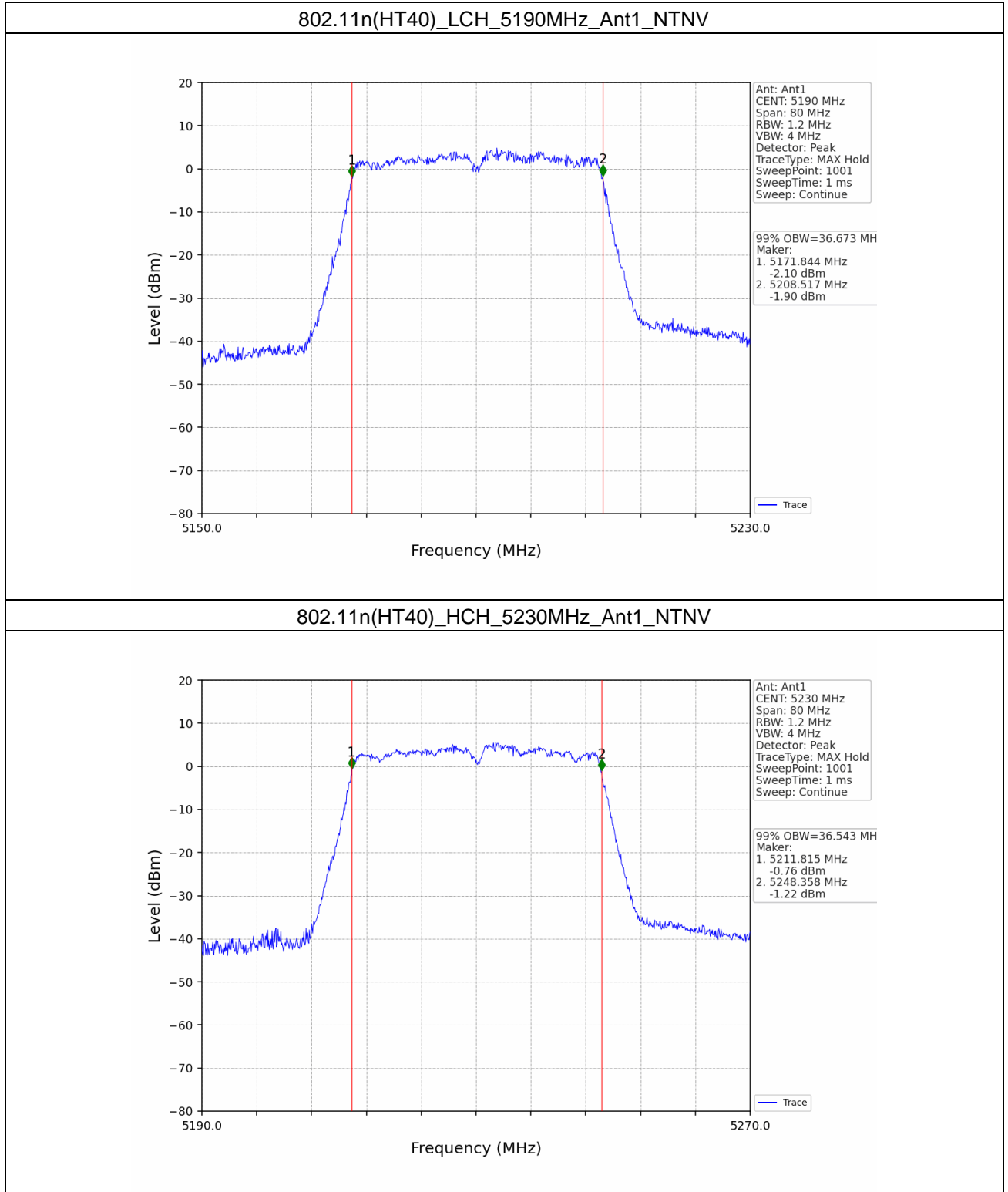
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