

Appendix for KSCR2109000089AT-FCC-5G

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	100.000	100.000	100.00	0.00	0.00
		5200	100.000	100.000	100.00	0.00	0.00
		5240	100.000	100.000	100.00	0.00	0.00
		5260	100.000	100.000	100.00	0.00	0.00
		5300	100.000	100.000	100.00	0.00	0.00
		5320	100.000	100.000	100.00	0.00	0.00
		5500	100.000	100.000	100.00	0.00	0.00
		5580	100.000	100.000	100.00	0.00	0.00
		5700	100.000	100.000	100.00	0.00	0.00
		5745	100.000	100.000	100.00	0.00	0.00
		5785	100.000	100.000	100.00	0.00	0.00
802.11n (HT20)	MIMO	5180	100.000	100.000	100.00	0.00	0.00
		5200	100.000	100.000	100.00	0.00	0.00
		5240	100.000	100.000	100.00	0.00	0.00
		5260	100.000	100.000	100.00	0.00	0.00
		5300	100.000	100.000	100.00	0.00	0.00
		5320	100.000	100.000	100.00	0.00	0.00
		5500	100.000	100.000	100.00	0.00	0.00
		5580	100.000	100.000	100.00	0.00	0.00
		5700	100.000	100.000	100.00	0.00	0.00
		5745	100.000	100.000	100.00	0.00	0.00
		5785	100.000	100.000	100.00	0.00	0.00
802.11n (HT40)	MIMO	5190	100.000	100.000	100.00	0.00	0.00
		5230	100.000	100.000	100.00	0.00	0.00
		5270	100.000	100.000	100.00	0.00	0.00
		5310	100.000	100.000	100.00	0.00	0.00
		5510	100.000	100.000	100.00	0.00	0.00
		5550	100.000	100.000	100.00	0.00	0.00
		5670	100.000	100.000	100.00	0.00	0.00
		5755	100.000	100.000	100.00	0.00	0.00
		5795	100.000	100.000	100.00	0.00	0.00
802.11ac (VHT20)	MIMO	5180	100.000	100.000	100.00	0.00	0.00
		5200	100.000	100.000	100.00	0.00	0.00
		5240	100.000	100.000	100.00	0.00	0.00

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		5260	100.000	100.000	100.00	0.00	0.00
		5300	100.000	100.000	100.00	0.00	0.00
		5320	100.000	100.000	100.00	0.00	0.00
		5500	100.000	100.000	100.00	0.00	0.00
		5580	100.000	100.000	100.00	0.00	0.00
		5700	100.000	100.000	100.00	0.00	0.00
		5745	100.000	100.000	100.00	0.00	0.00
		5785	100.000	100.000	100.00	0.00	0.00
		5825	100.000	100.000	100.00	0.00	0.00
		5720	100.000	100.000	100.00	0.00	0.00
802.11ac (VHT40)	MIMO	5190	100.000	100.000	100.00	0.00	0.00
		5230	100.000	100.000	100.00	0.00	0.00
		5270	100.000	100.000	100.00	0.00	0.00
		5310	100.000	100.000	100.00	0.00	0.00
		5510	100.000	100.000	100.00	0.00	0.00
		5550	100.000	100.000	100.00	0.00	0.00
		5670	100.000	100.000	100.00	0.00	0.00
		5755	100.000	100.000	100.00	0.00	0.00
		5795	100.000	100.000	100.00	0.00	0.00
802.11ac (VHT80)	MIMO	5710	100.000	100.000	100.00	0.00	0.00
		5210	100.000	100.000	100.00	0.00	0.00
		5290	100.000	100.000	100.00	0.00	0.00
		5530	100.000	100.000	100.00	0.00	0.00
		5610	100.000	100.000	100.00	0.00	0.00
		5775	100.000	100.000	100.00	0.00	0.00
		5690	100.000	100.000	100.00	0.00	0.00

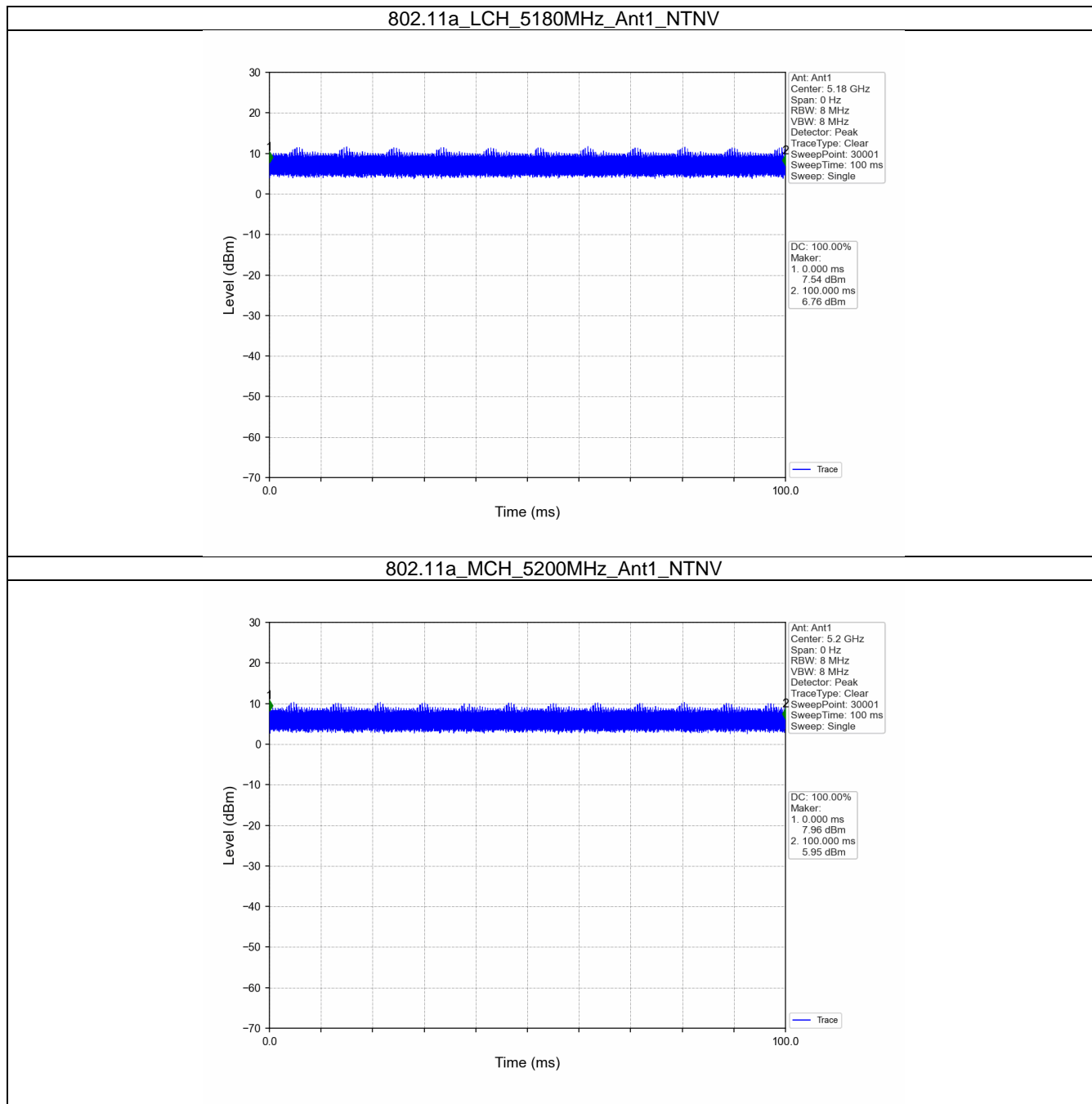


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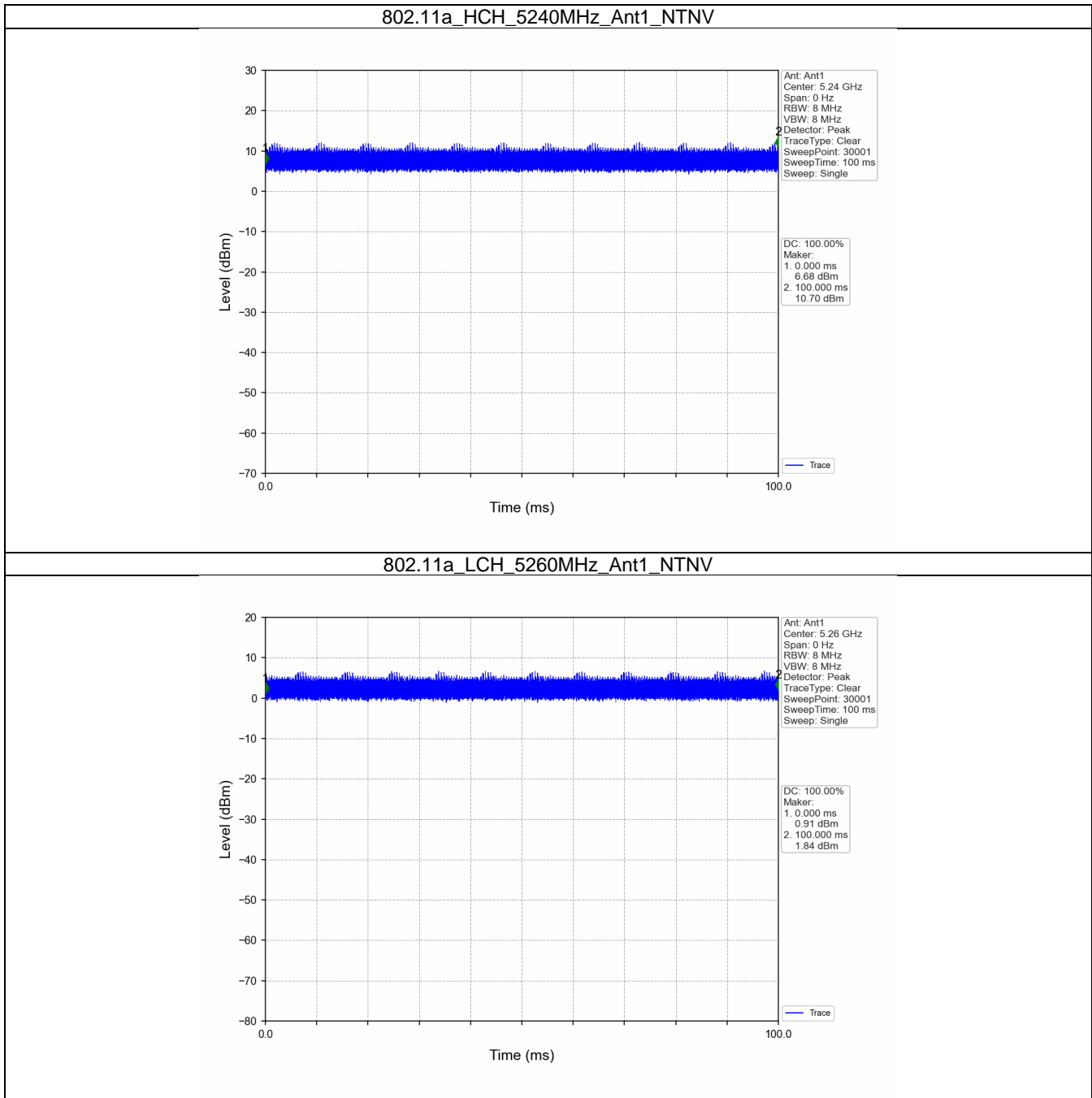
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1.1.2 Test Graph



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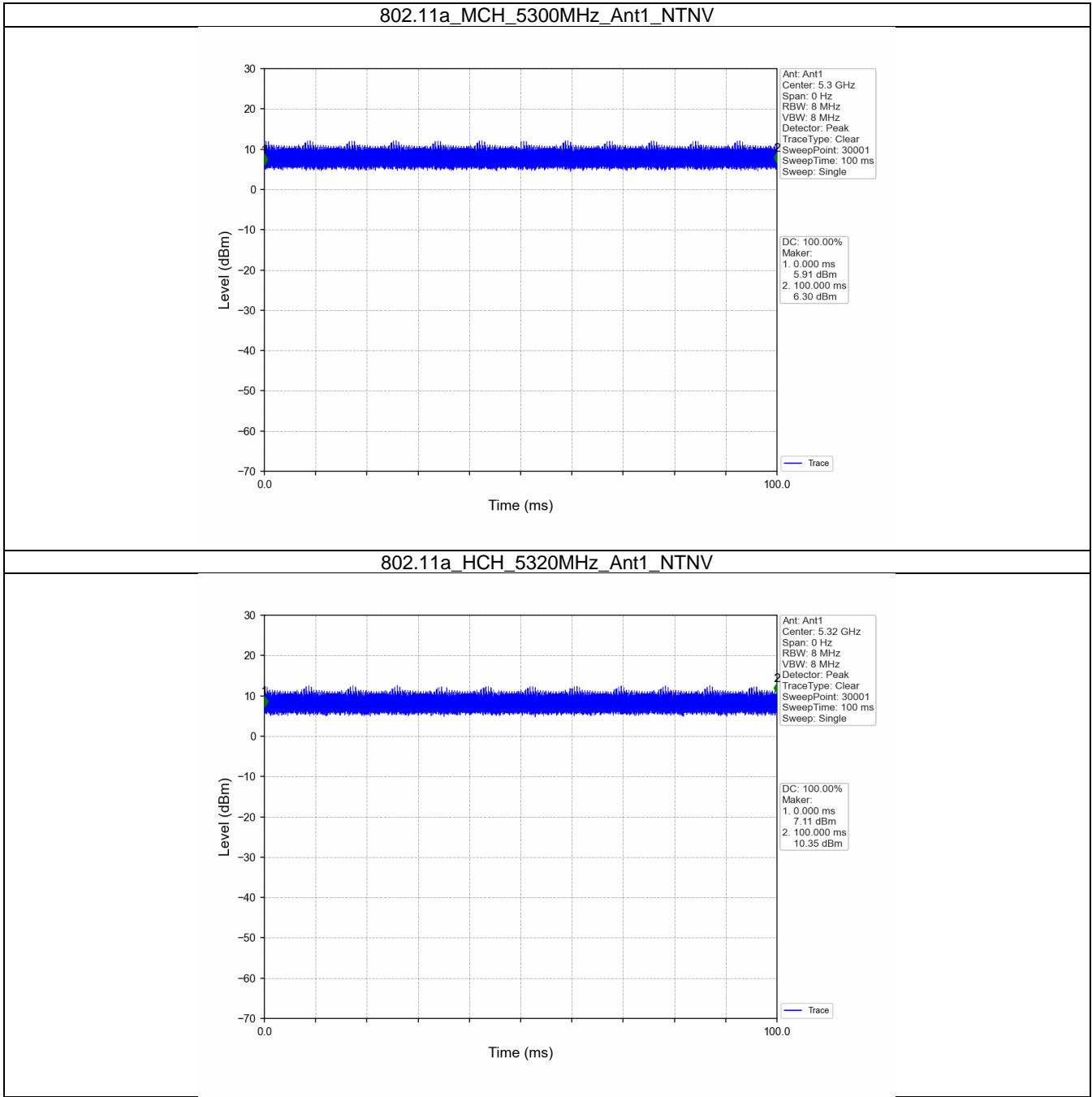


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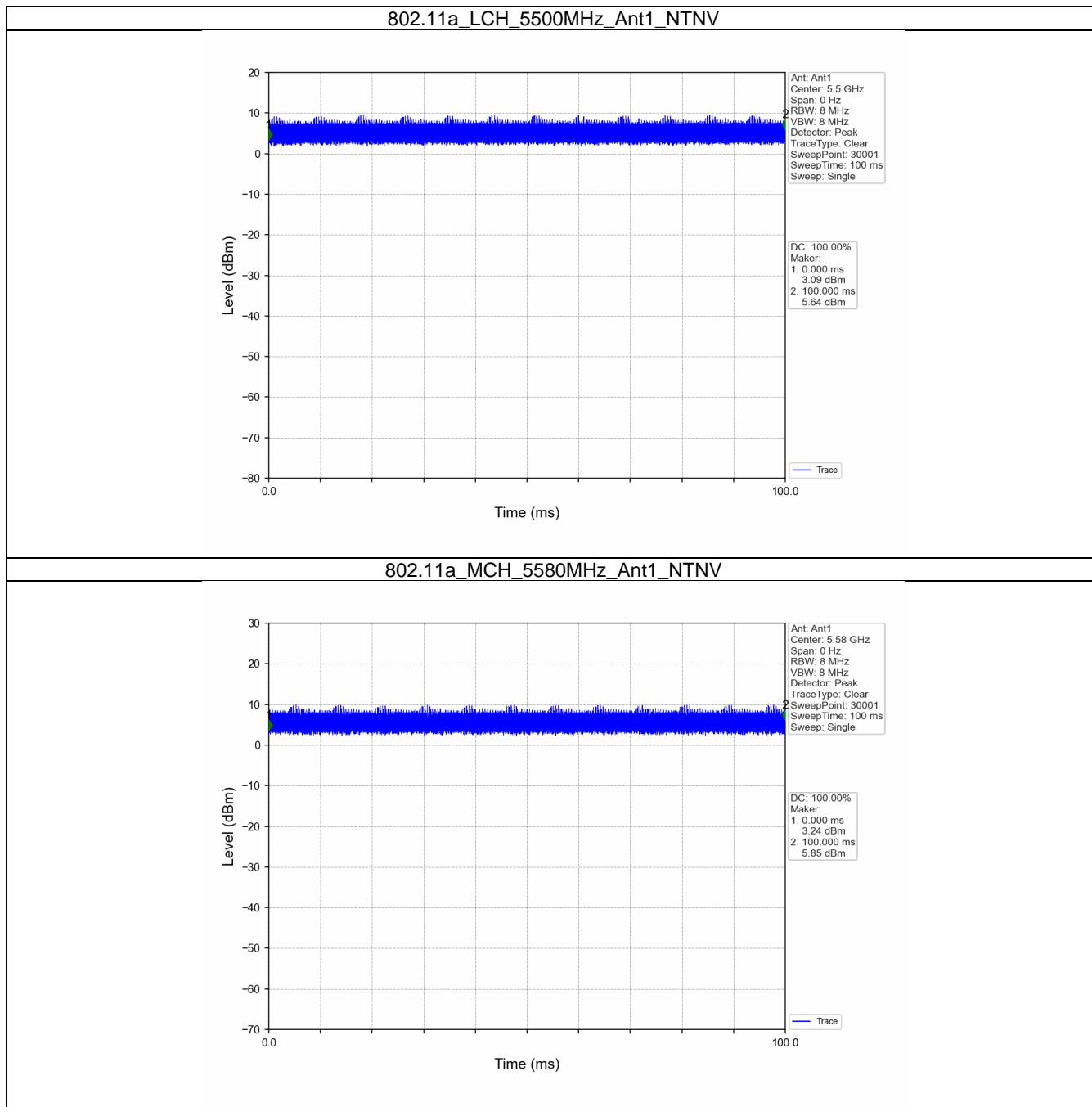


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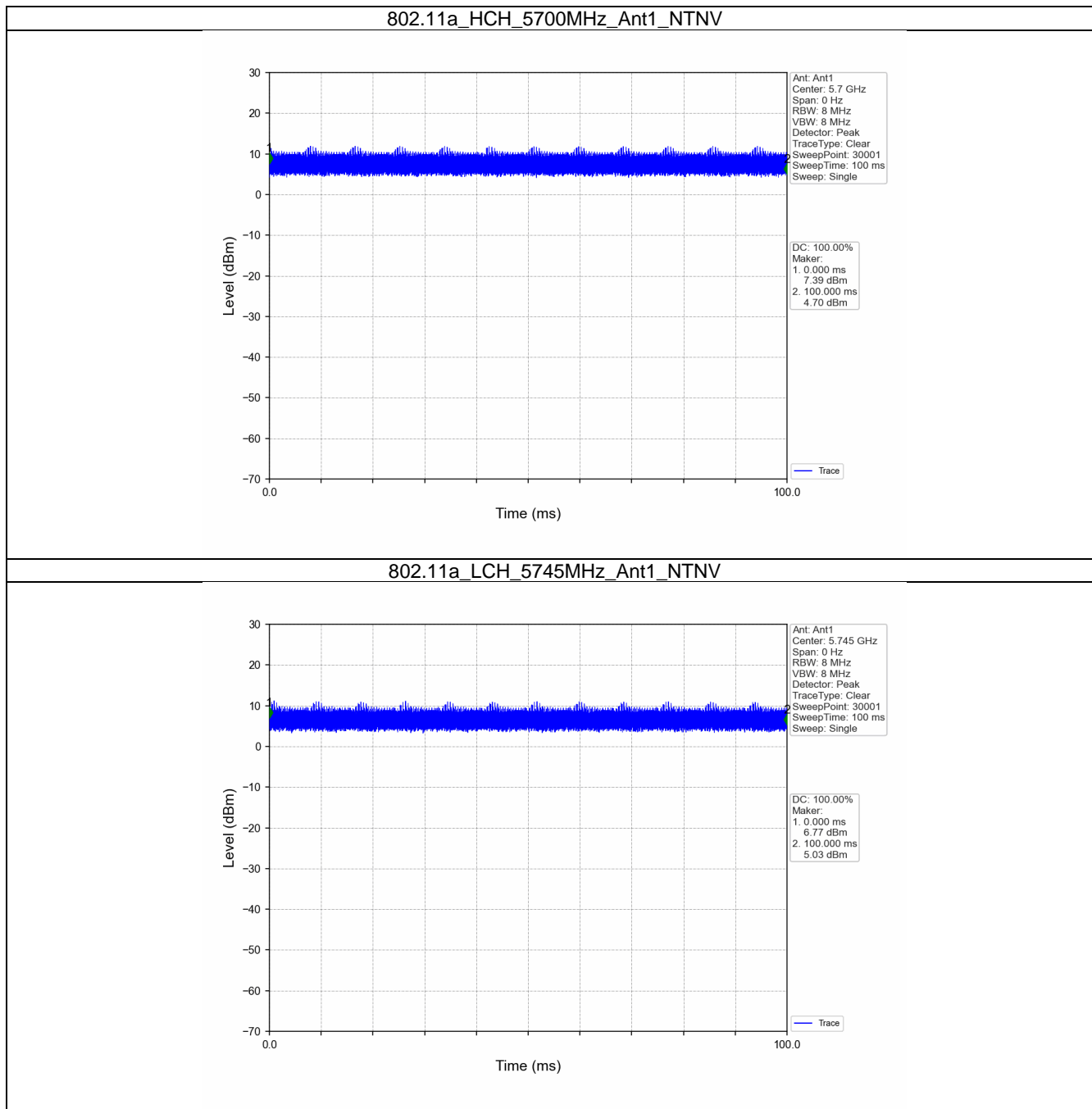
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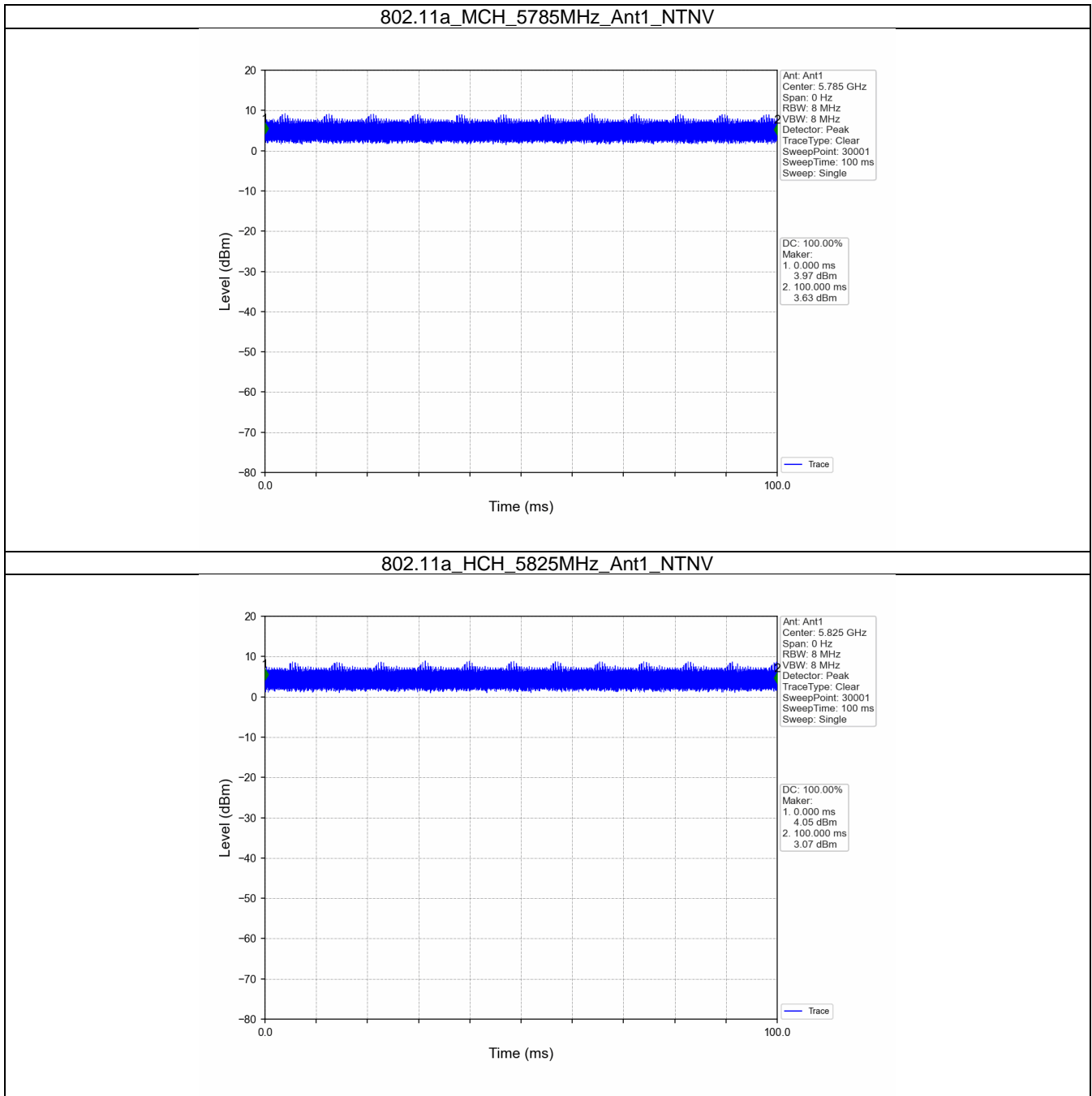


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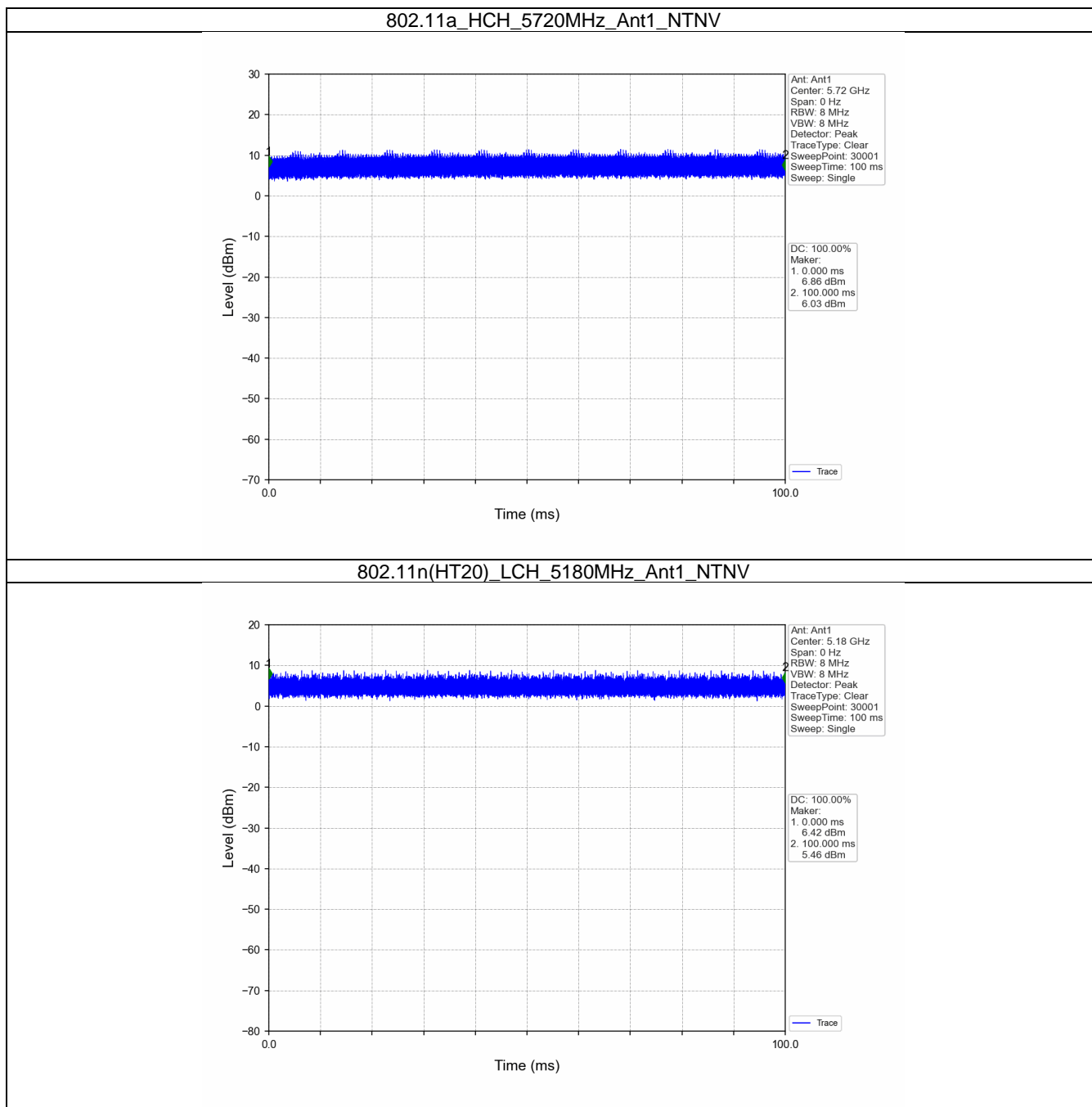


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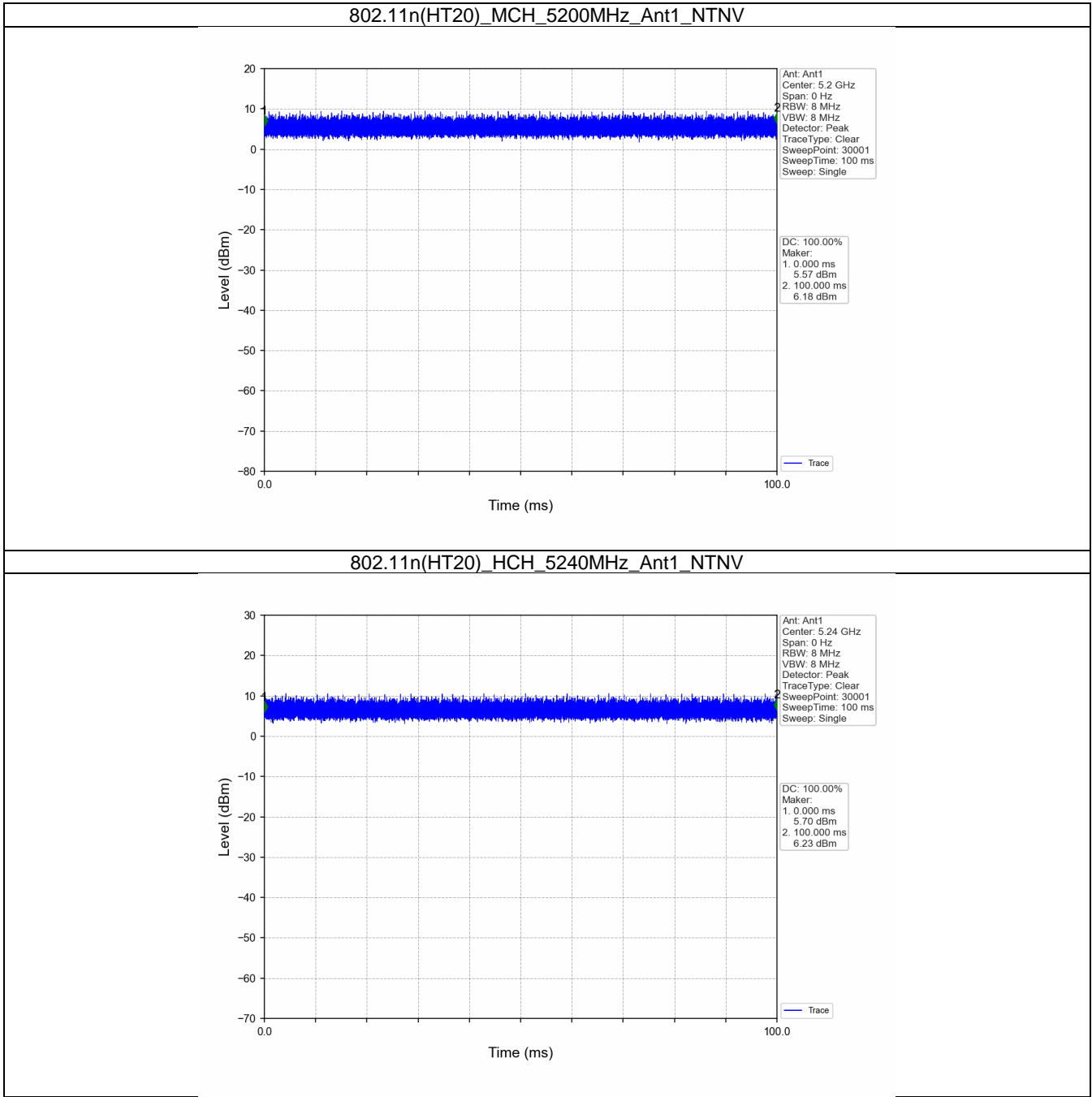
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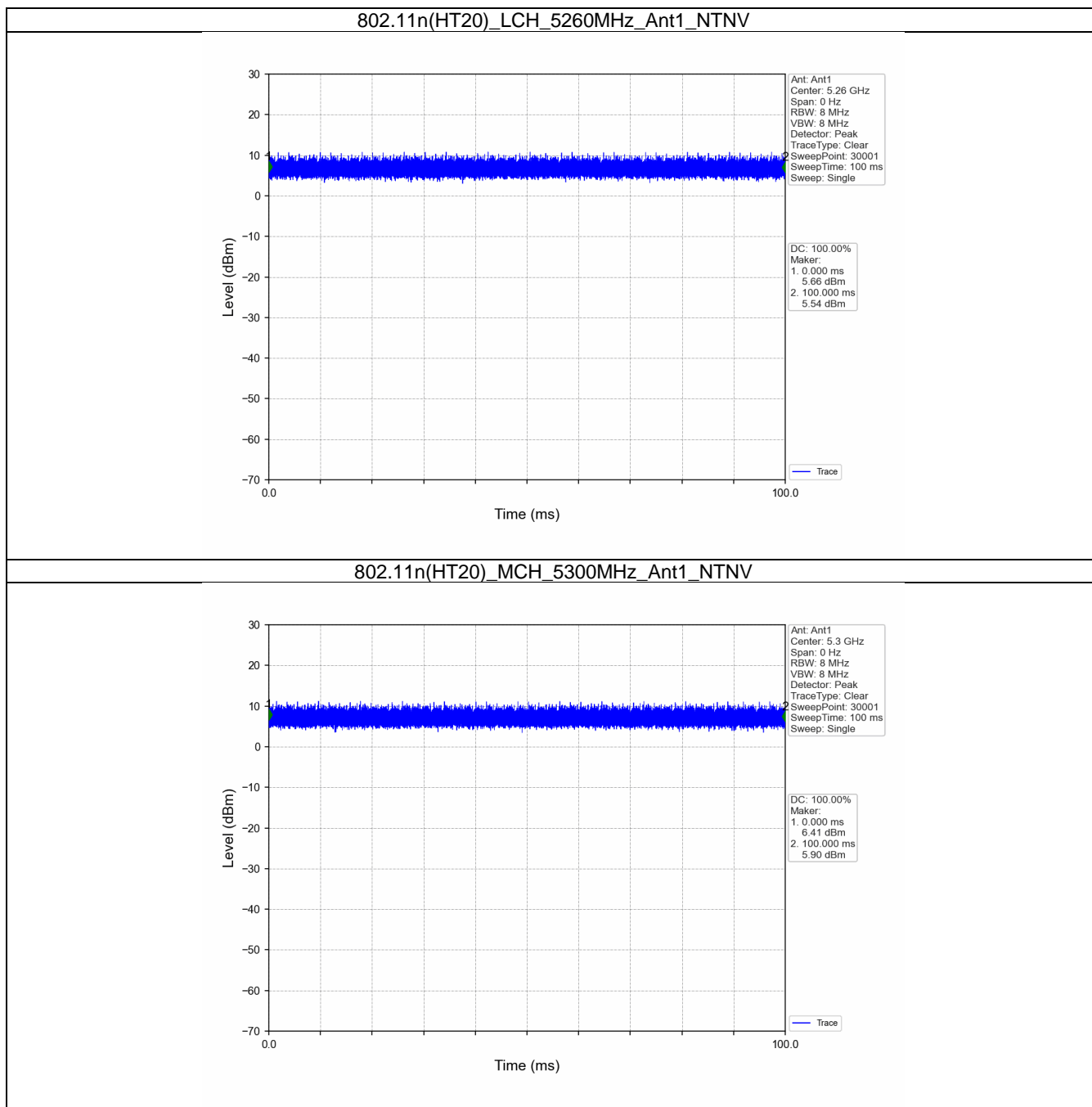


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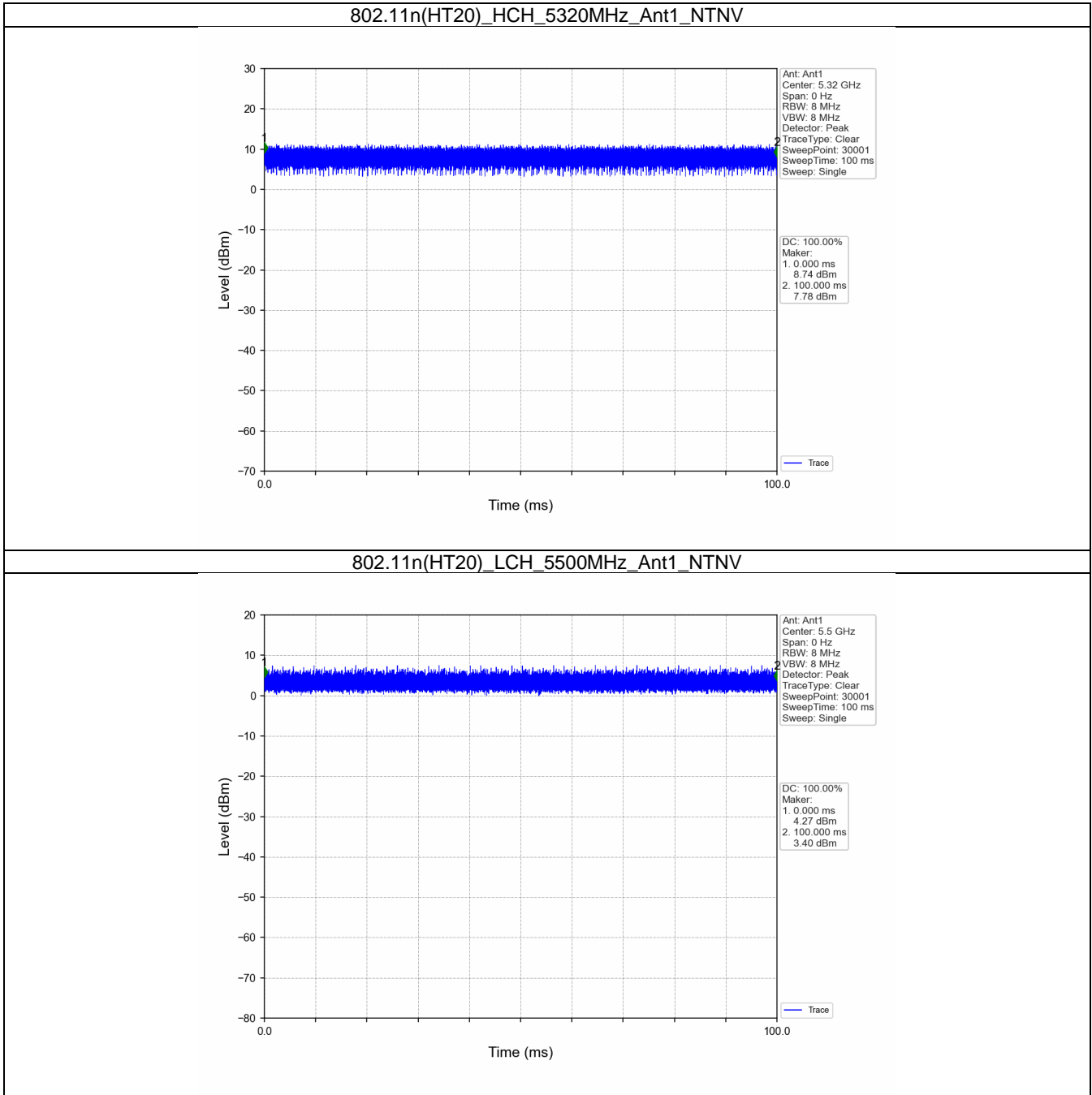


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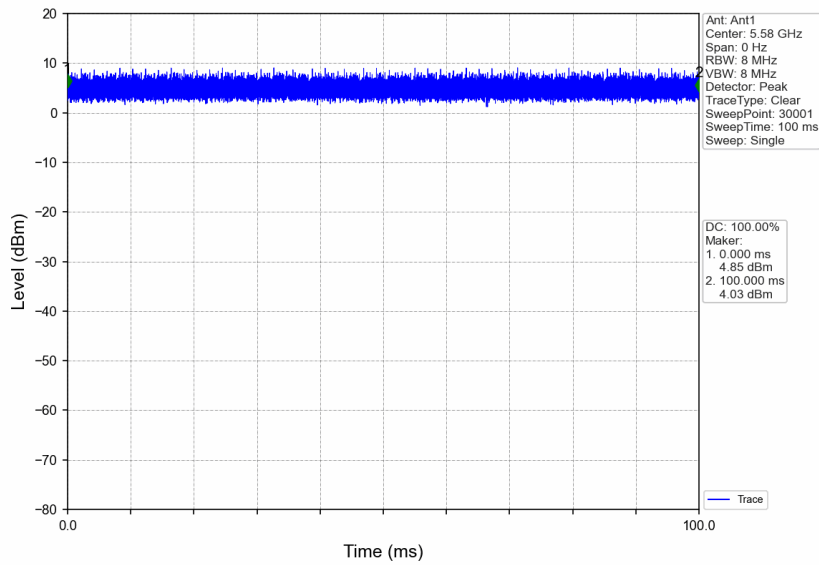


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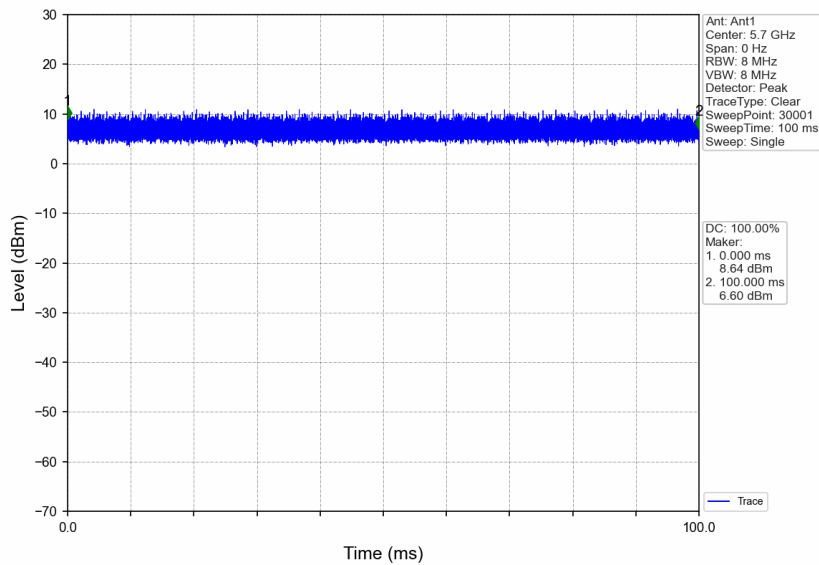
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802.11n(HT20)_MCH_5580MHz_Ant1_NTNV

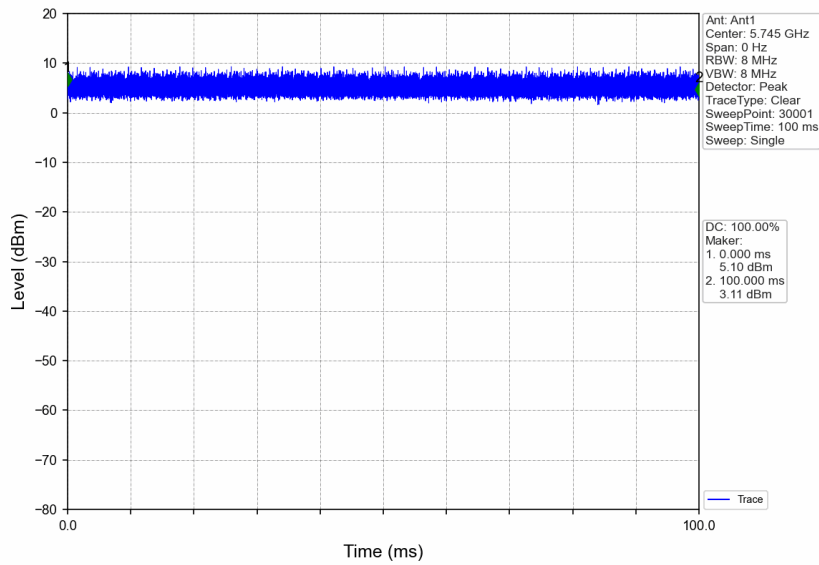


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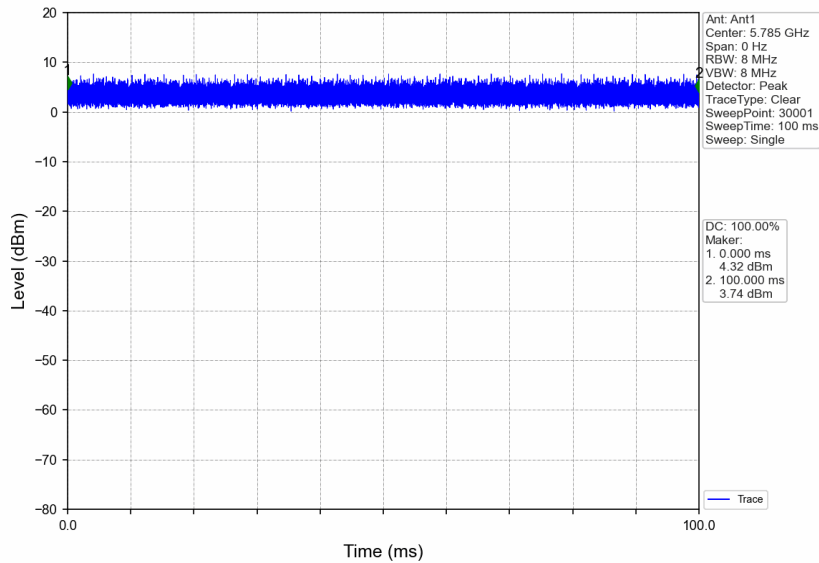


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802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



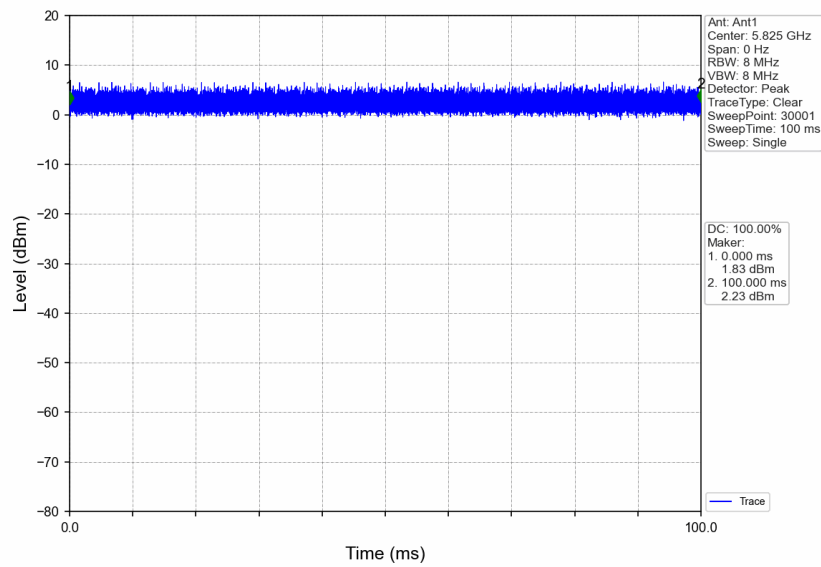
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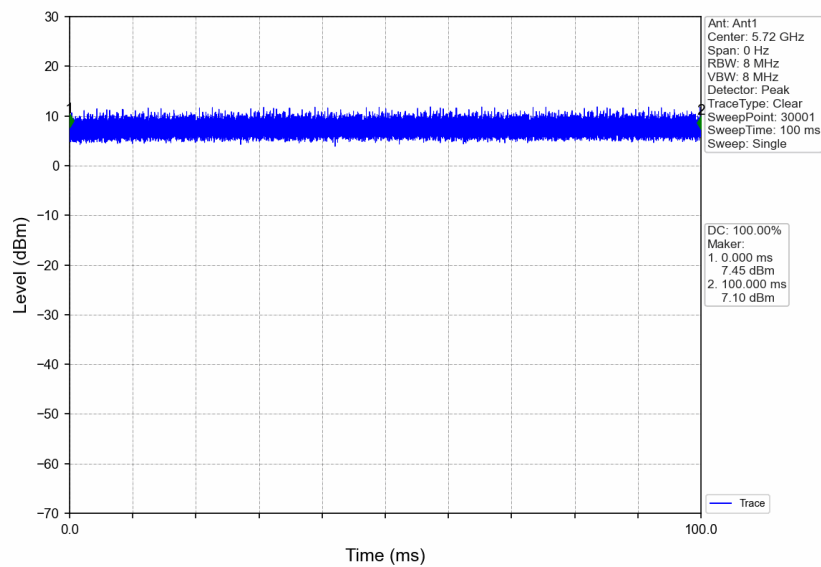
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802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



802.11n(HT20)_HCH_5720MHz_Ant1_NTNV

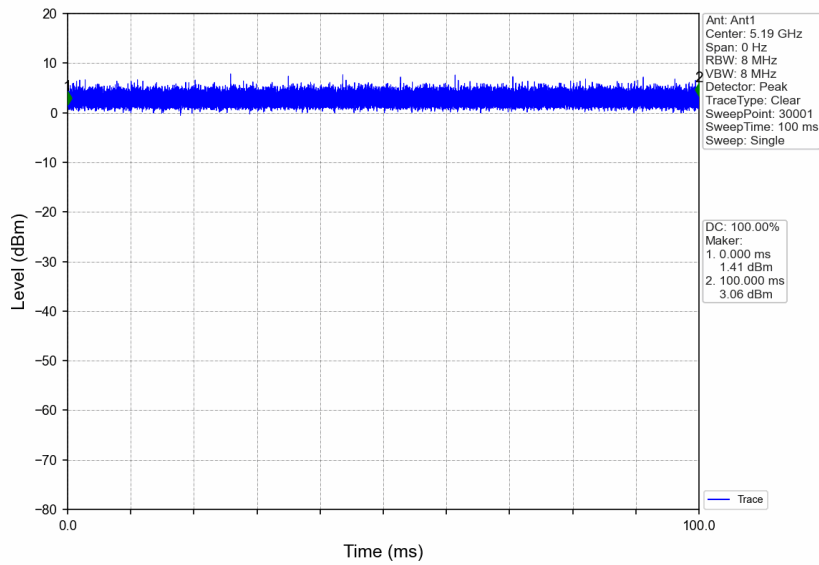


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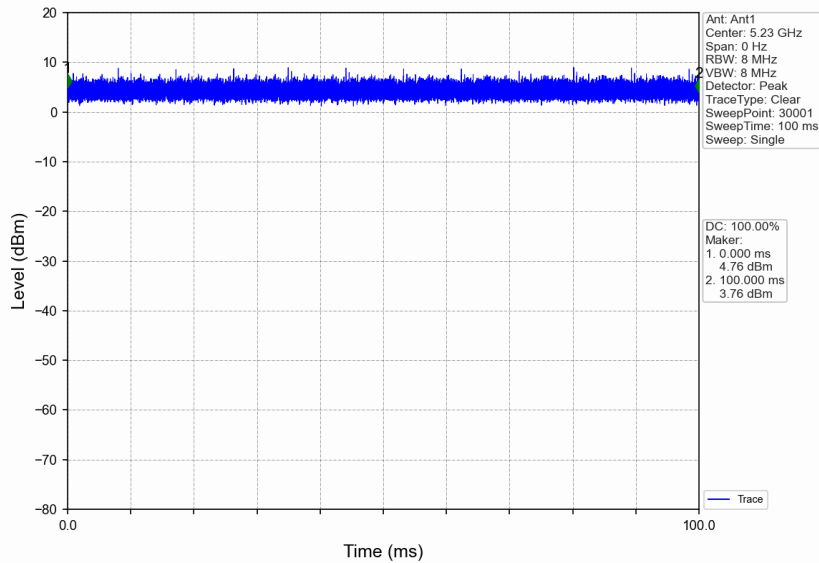
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802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



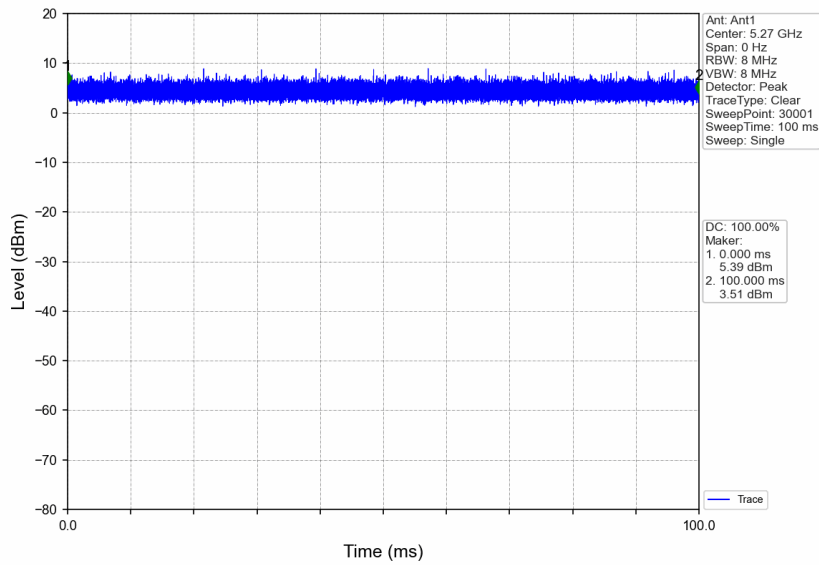
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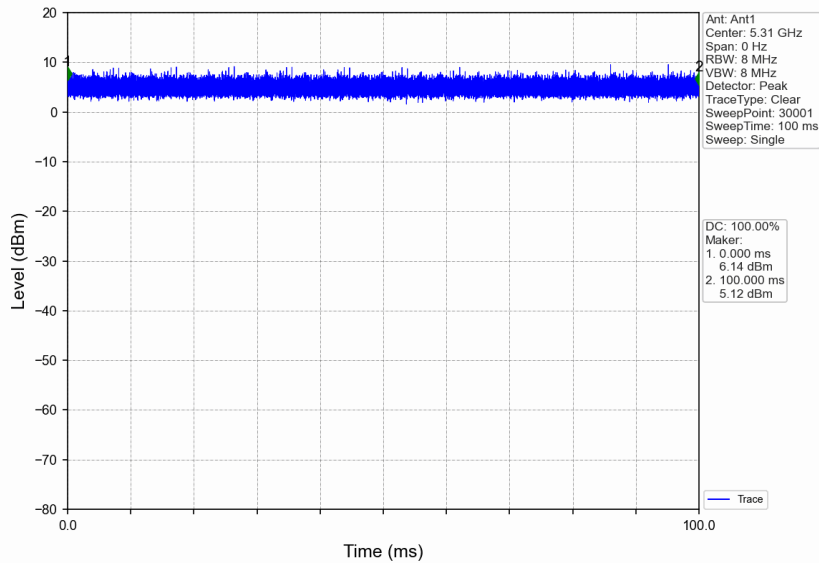
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802.11n(HT40)_LCH_5270MHz_Ant1_NTNV

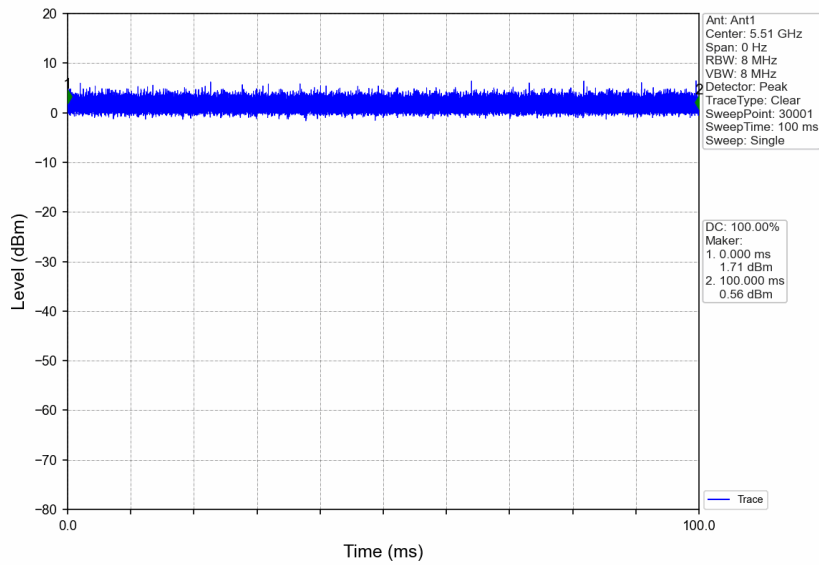


802.11n(HT40)_HCH_5310MHz_Ant1_NTNV

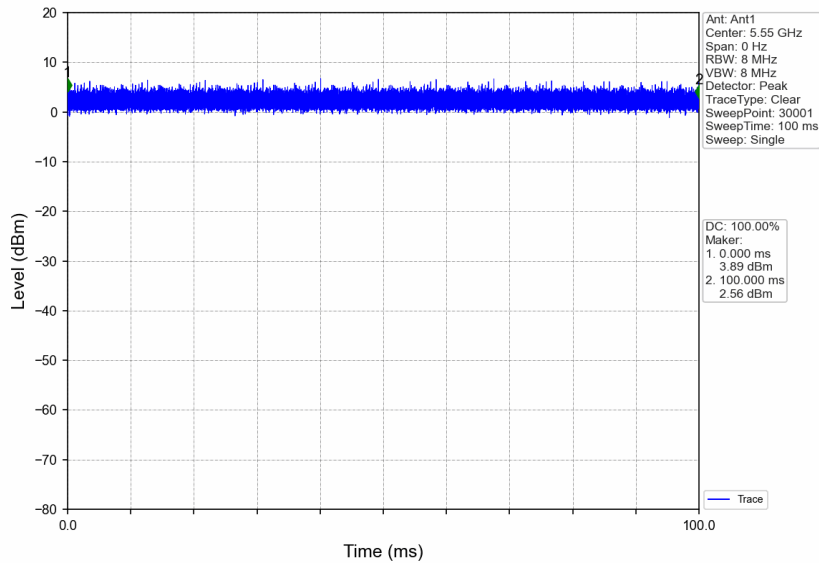


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802.11n(HT40)_LCH_5510MHz_Ant1_NTNV

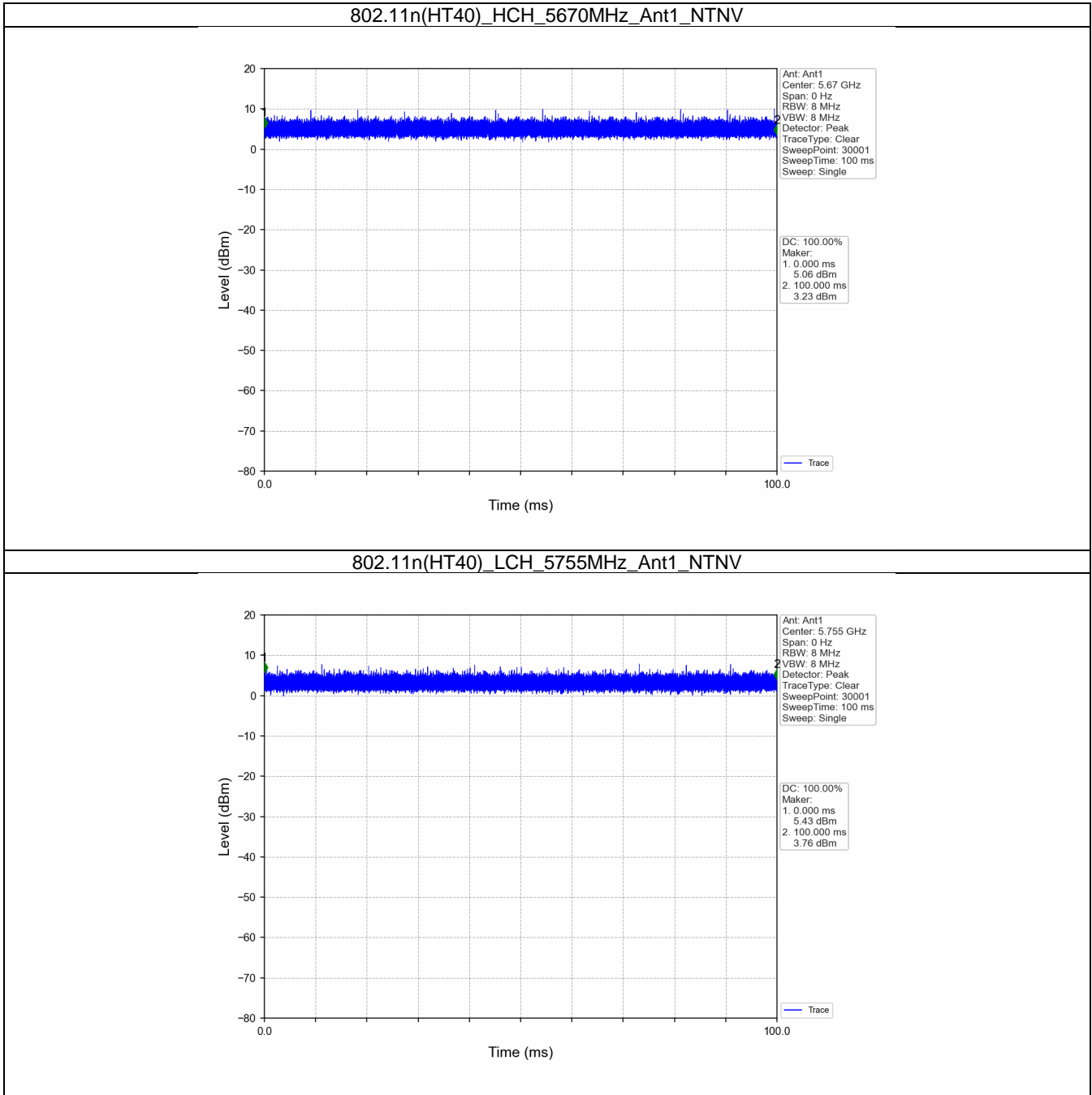


802.11n(HT40)_MCH_5550MHz_Ant1_NTNV



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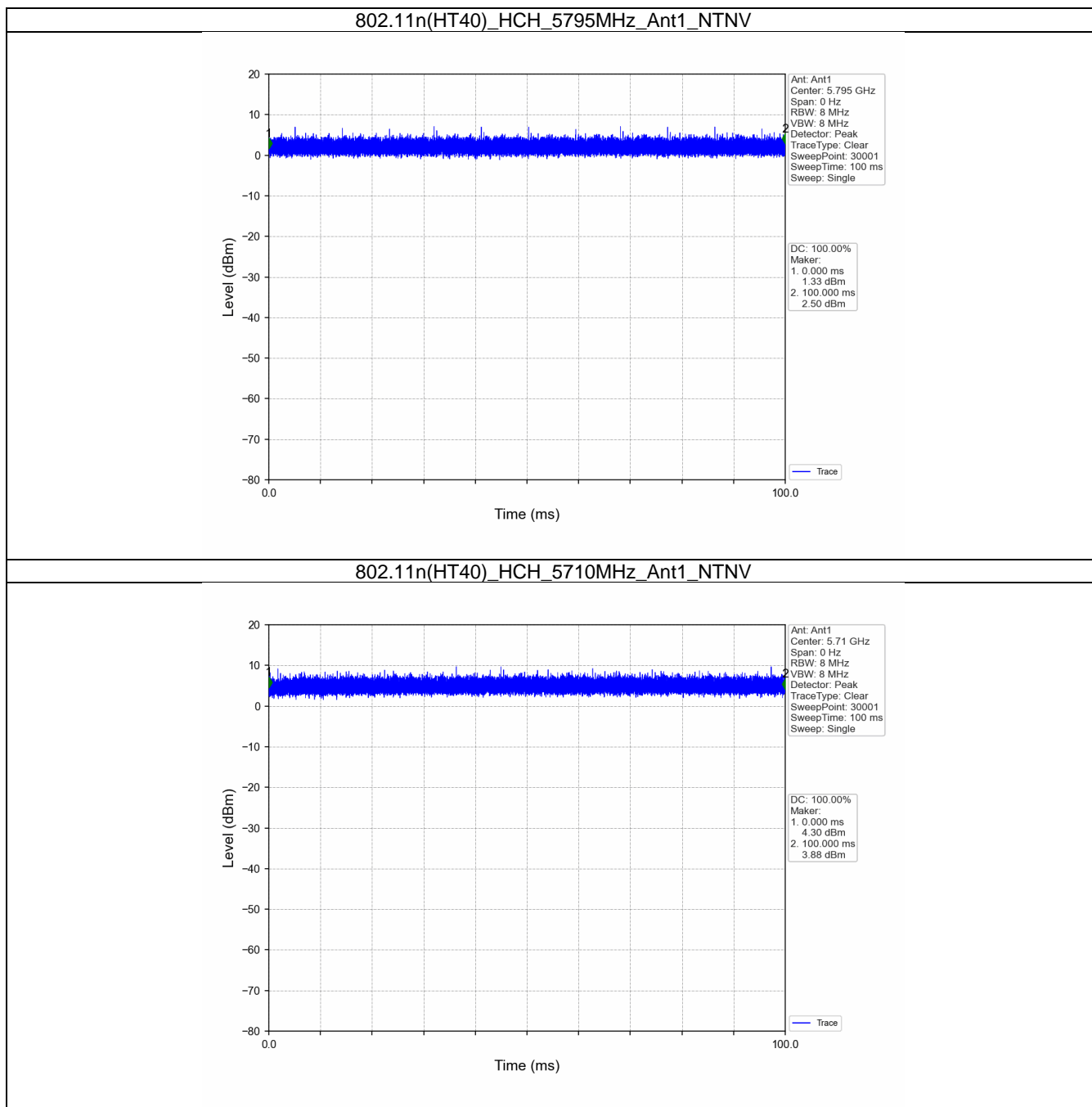


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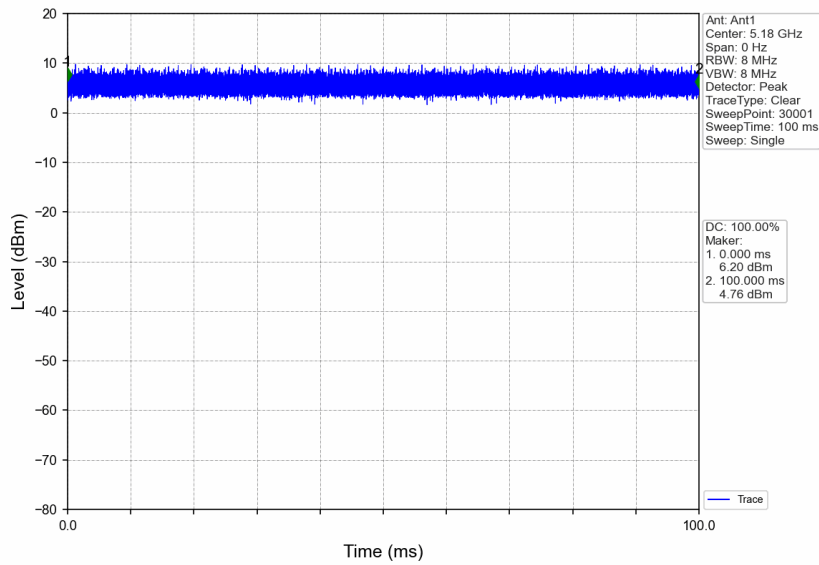
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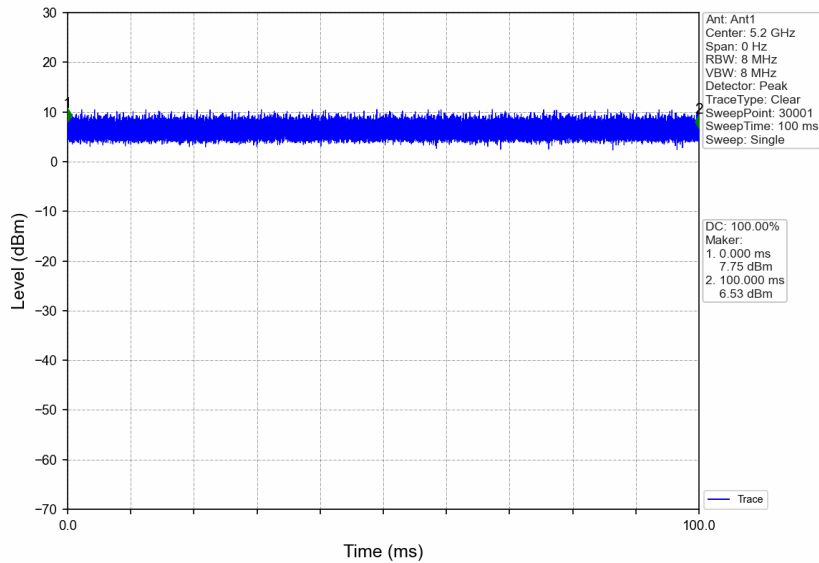
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802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV

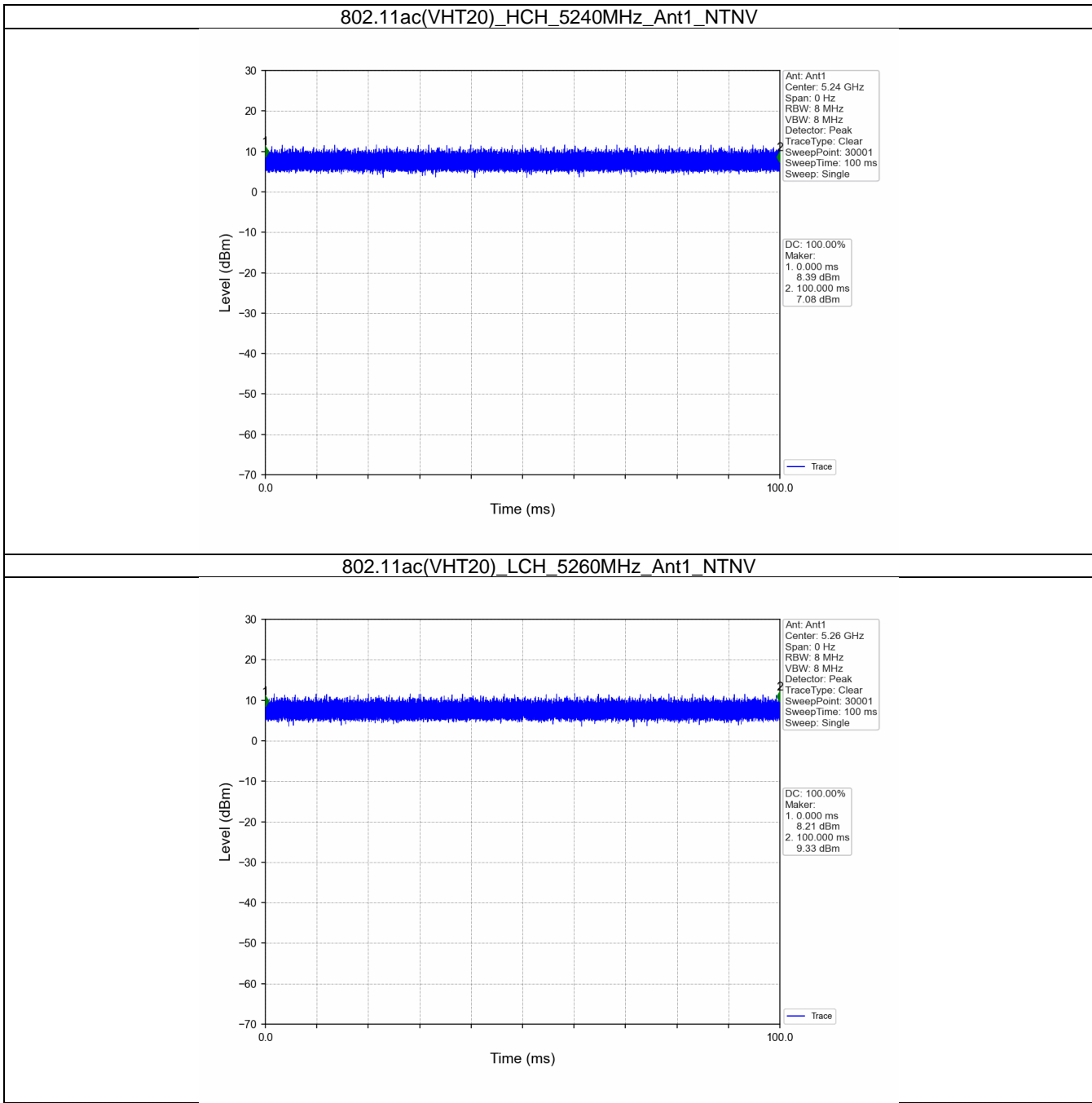


802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



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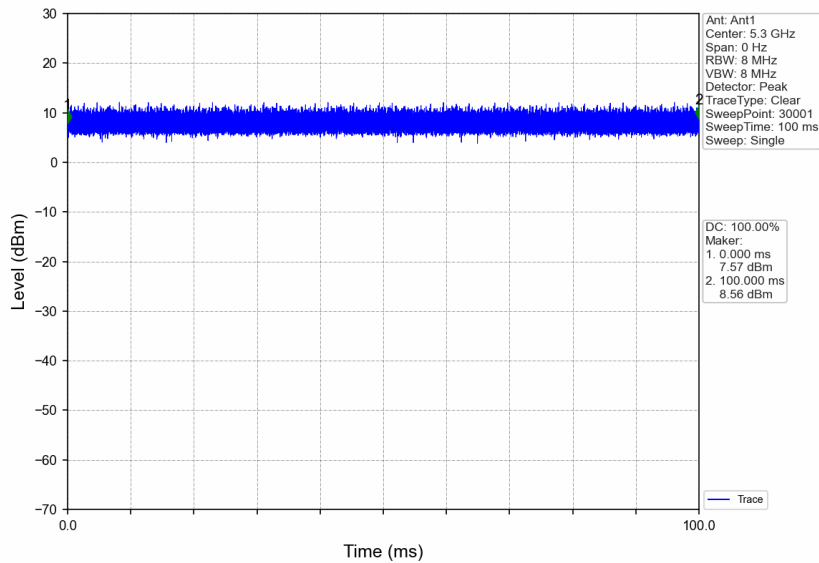


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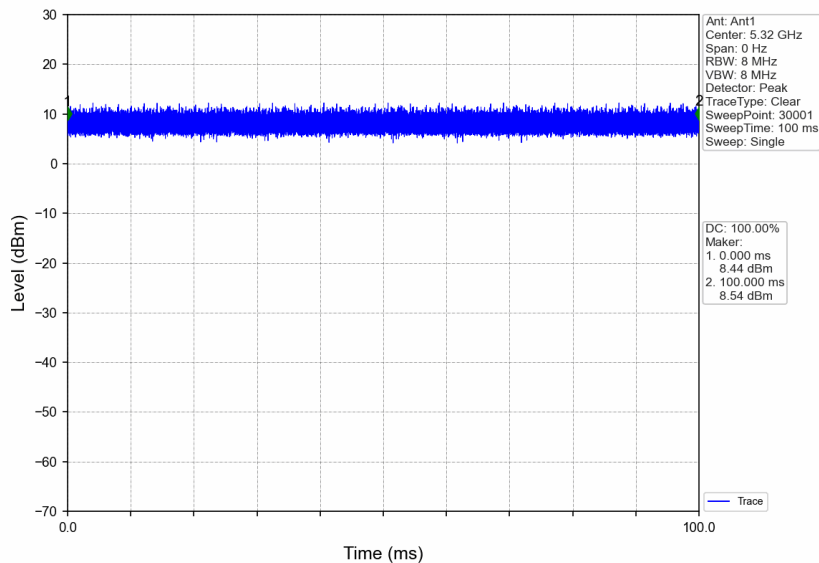
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802.11ac(VHT20)_MCH_5300MHz_Ant1_NTNV



802.11ac(VHT20)_HCH_5320MHz_Ant1_NTNV

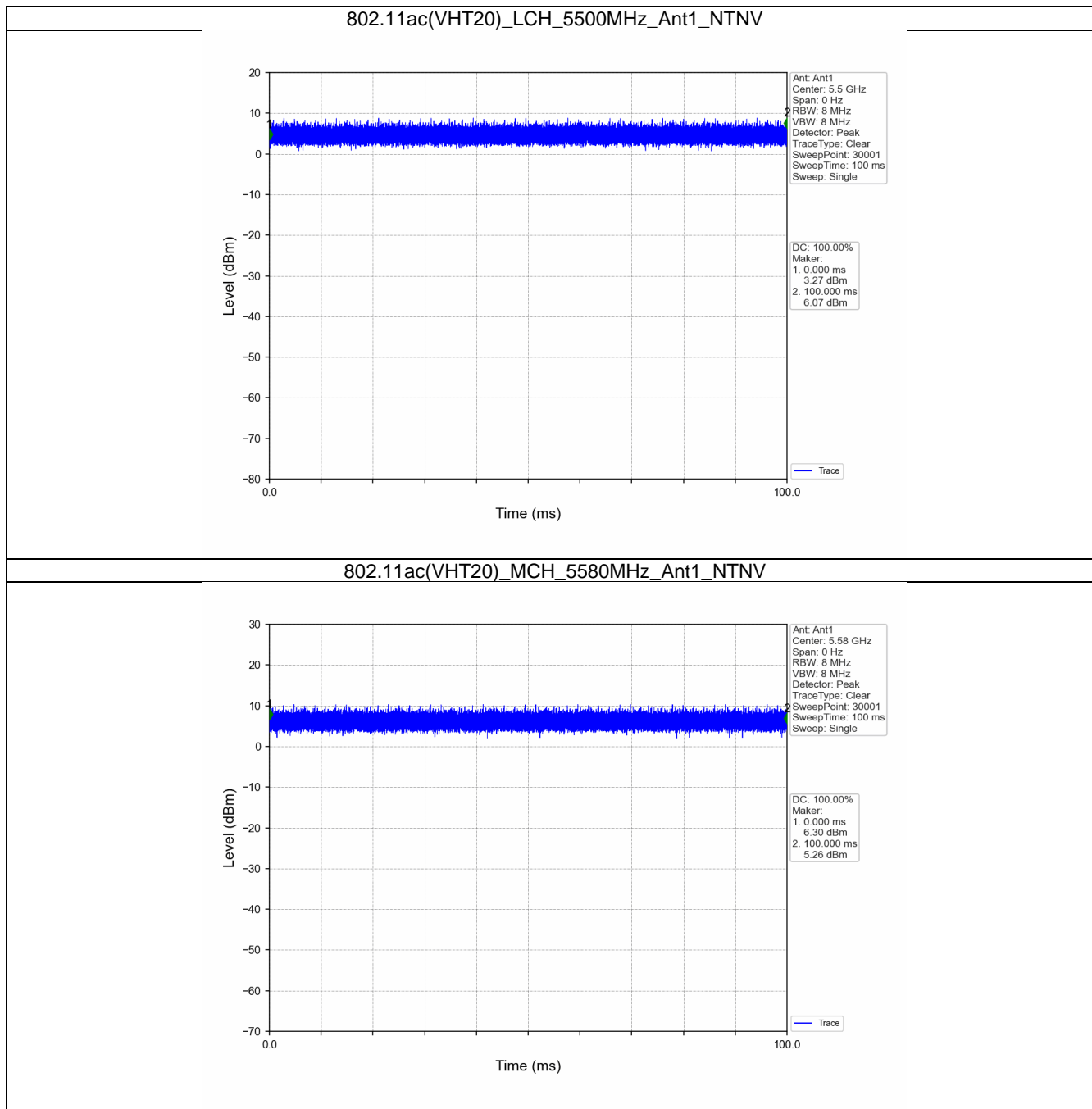


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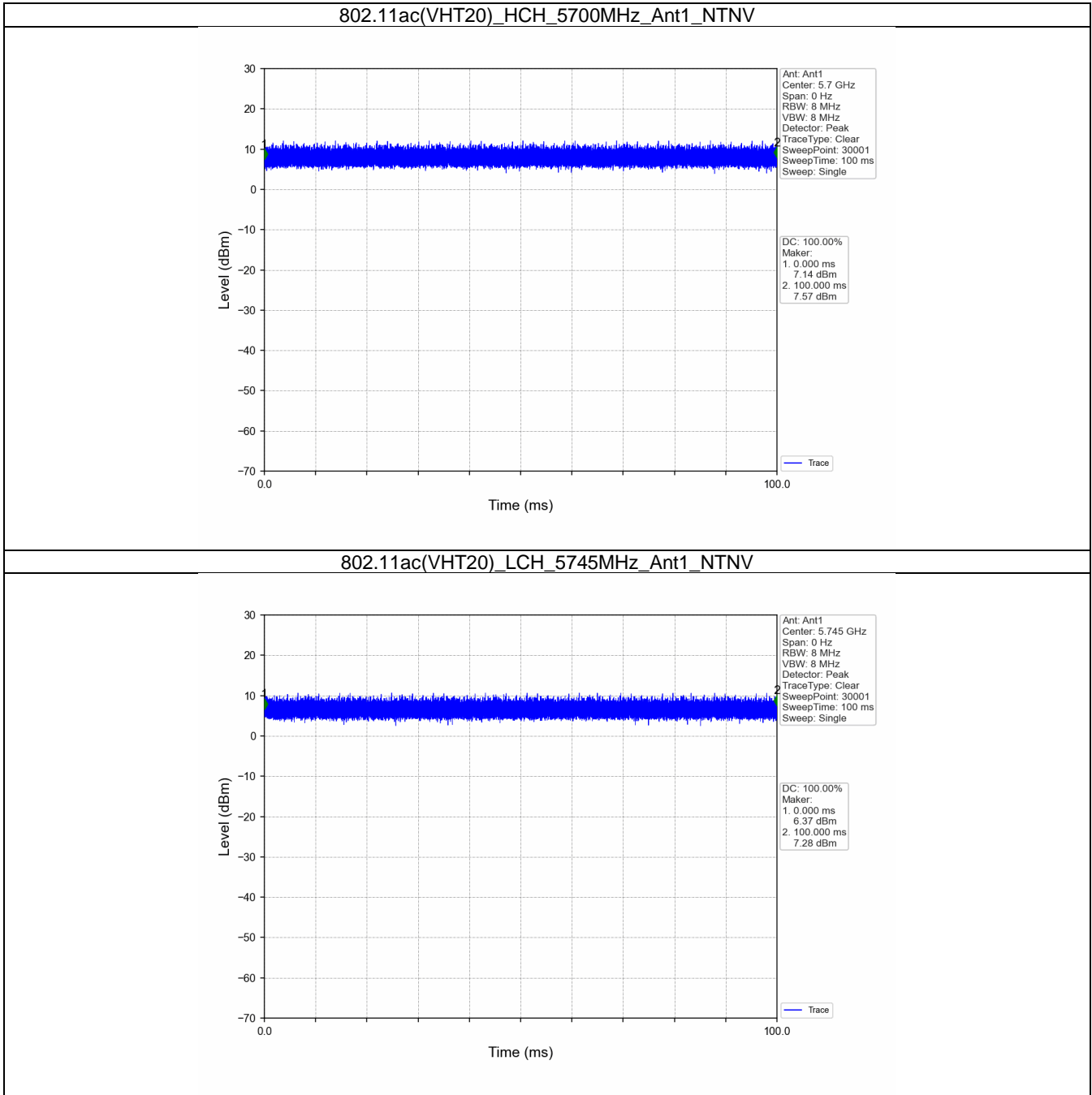


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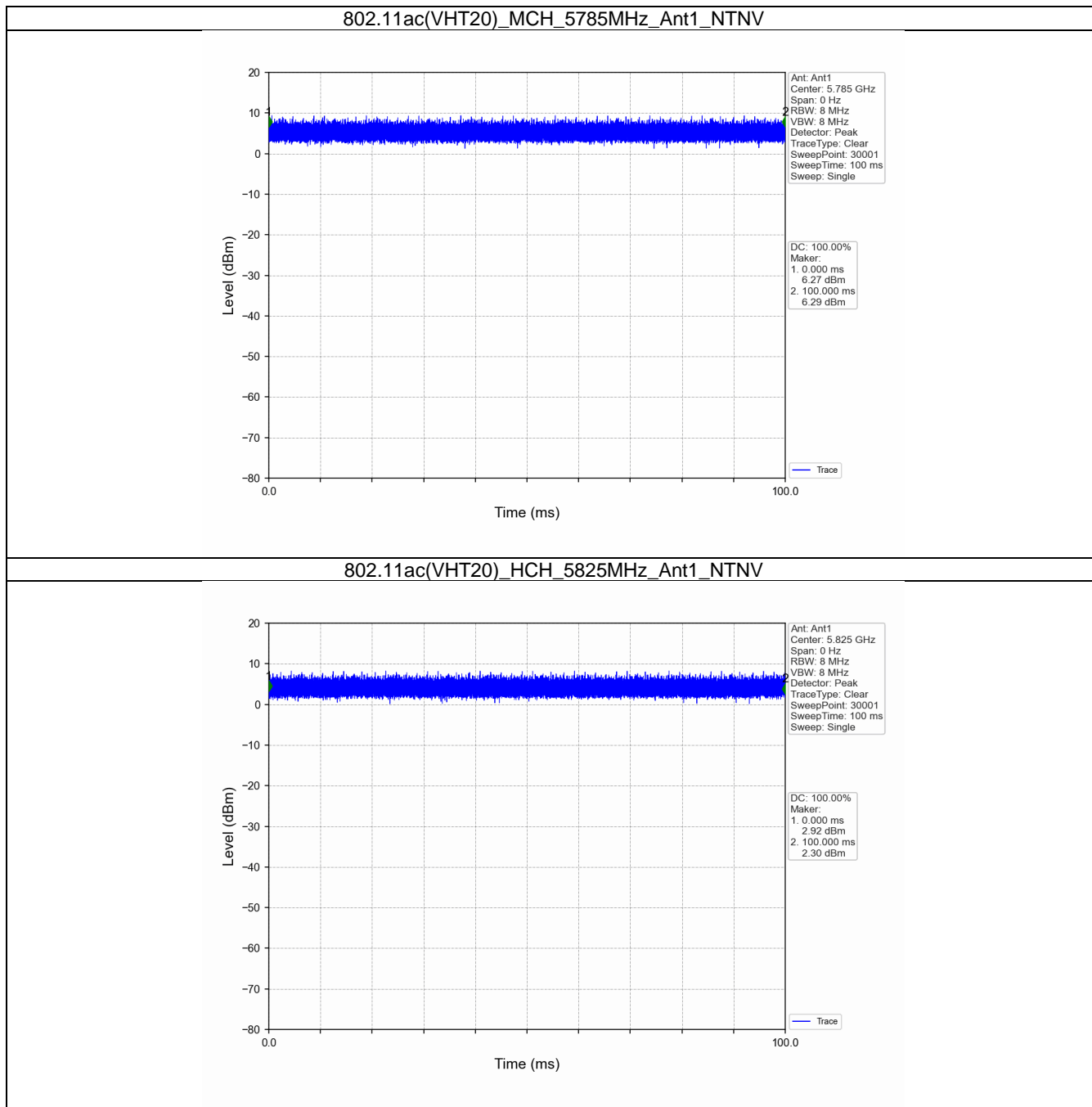


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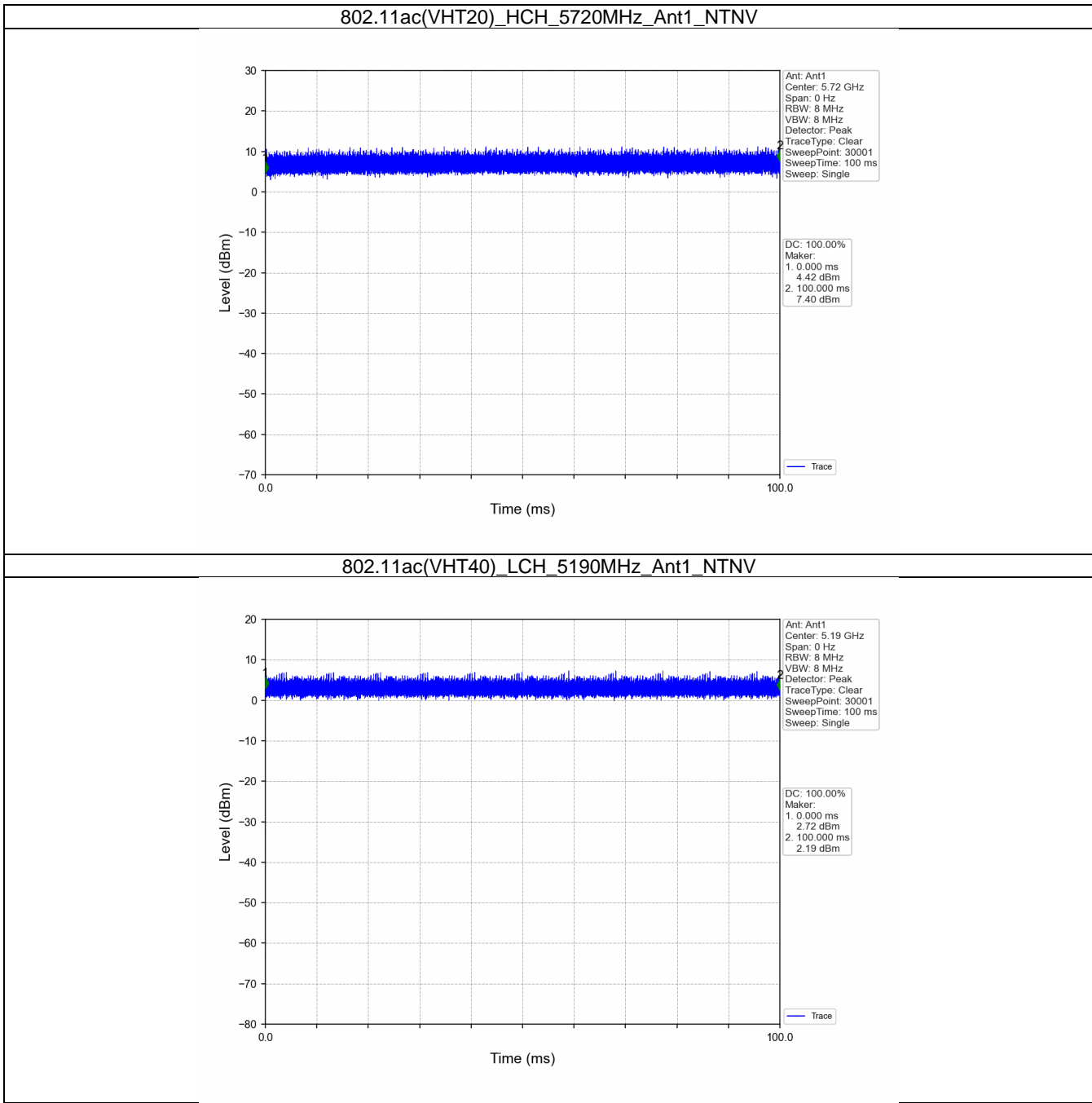


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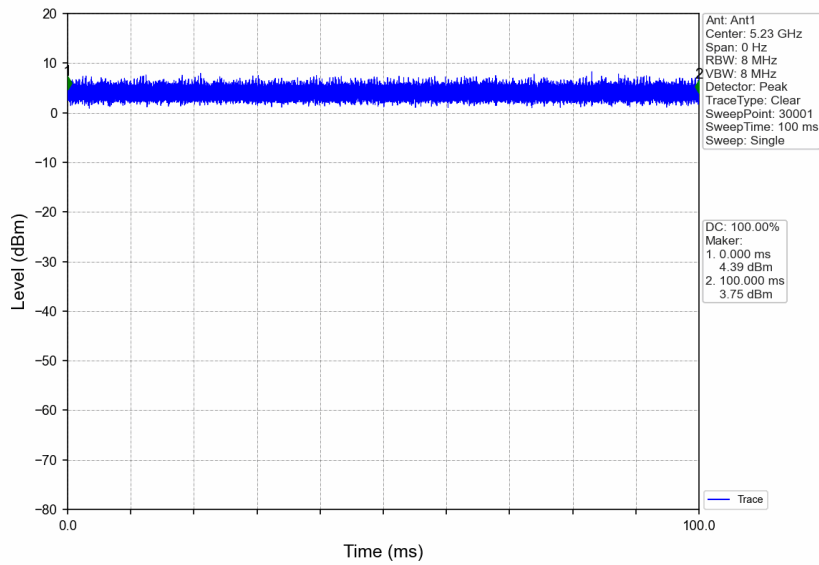
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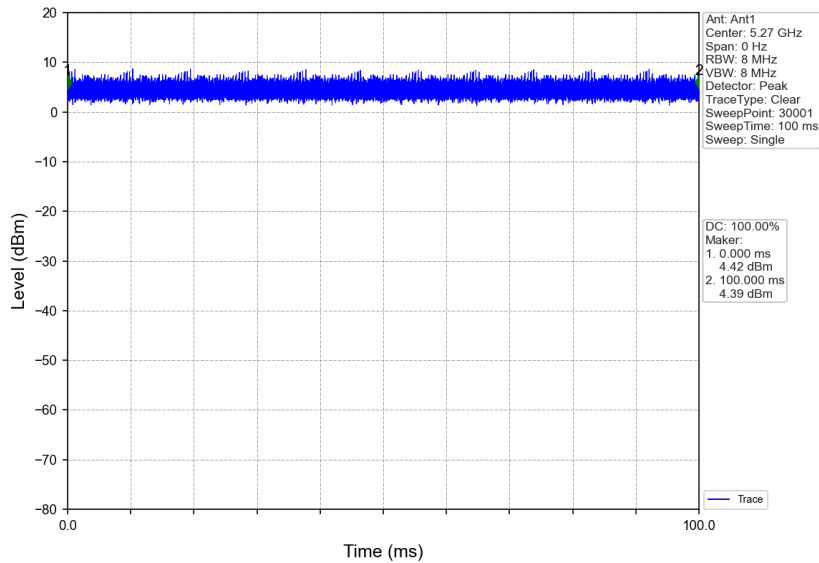
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802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



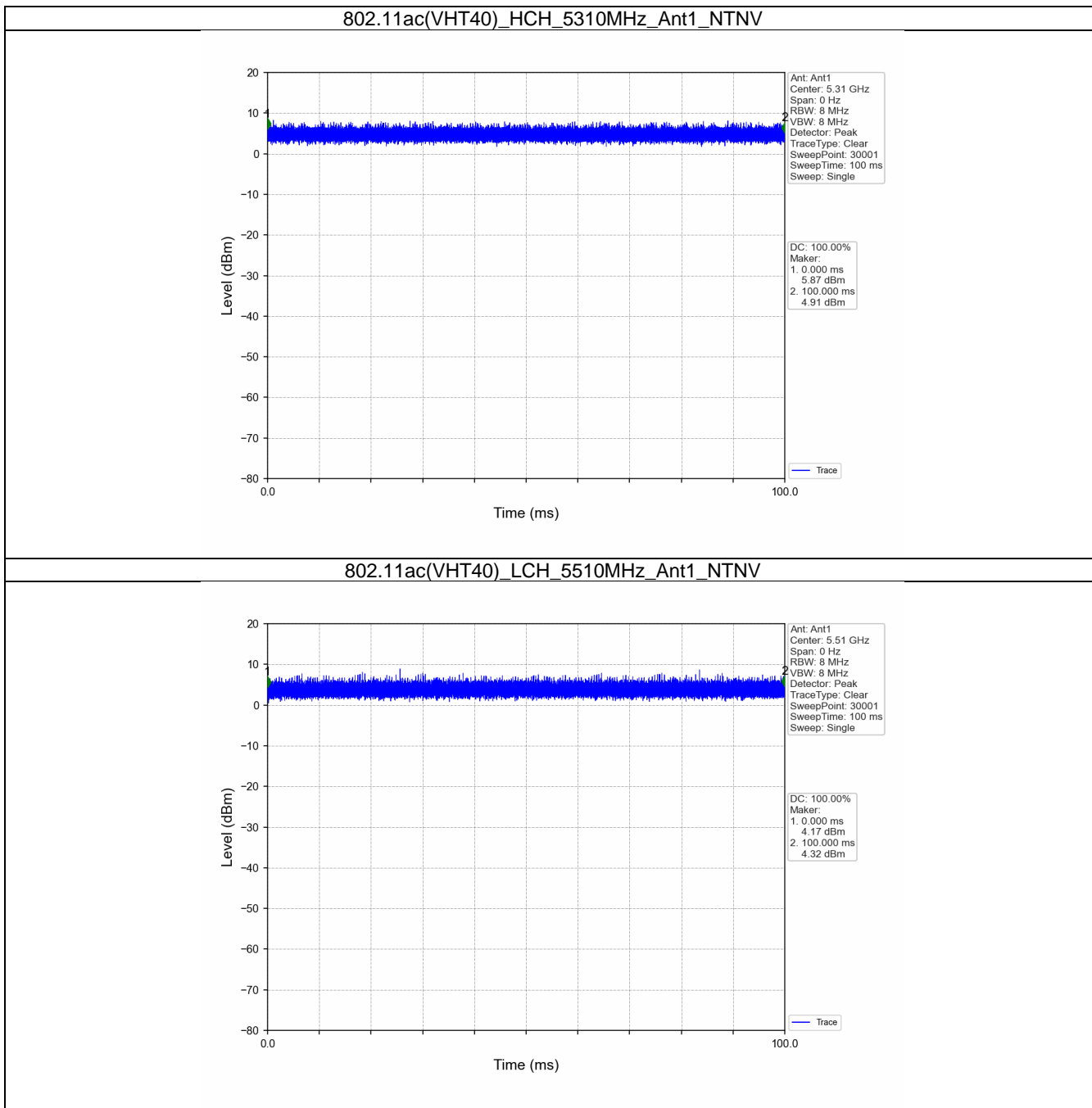
802.11ac(VHT40)_LCH_5270MHz_Ant1_NTNV



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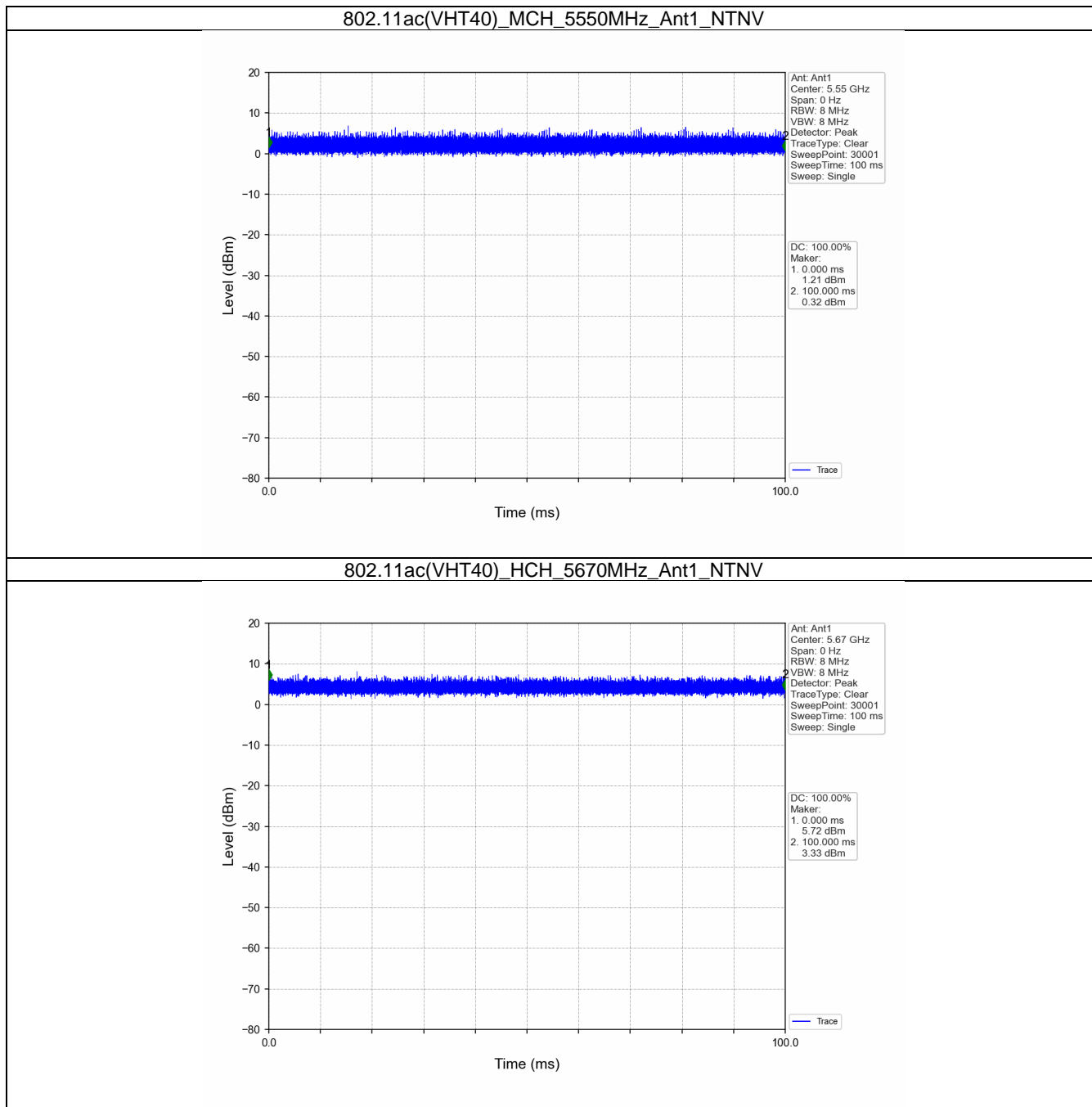
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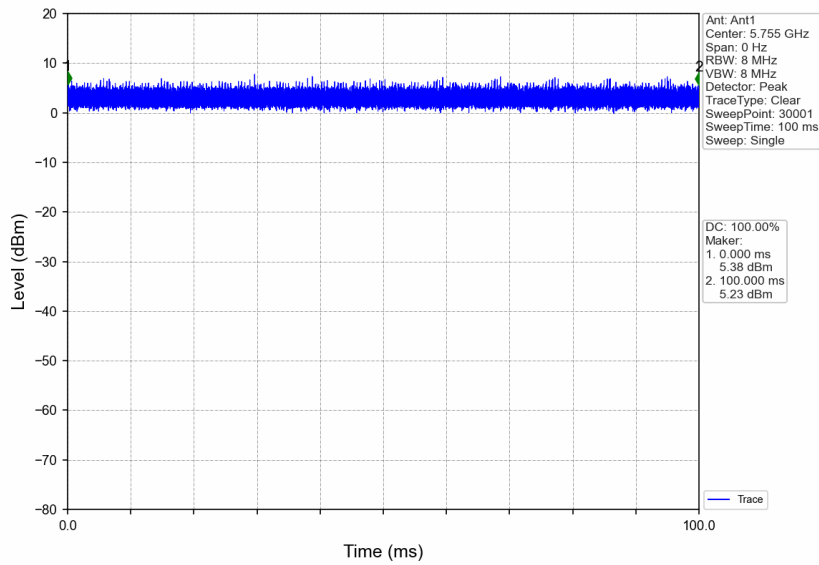
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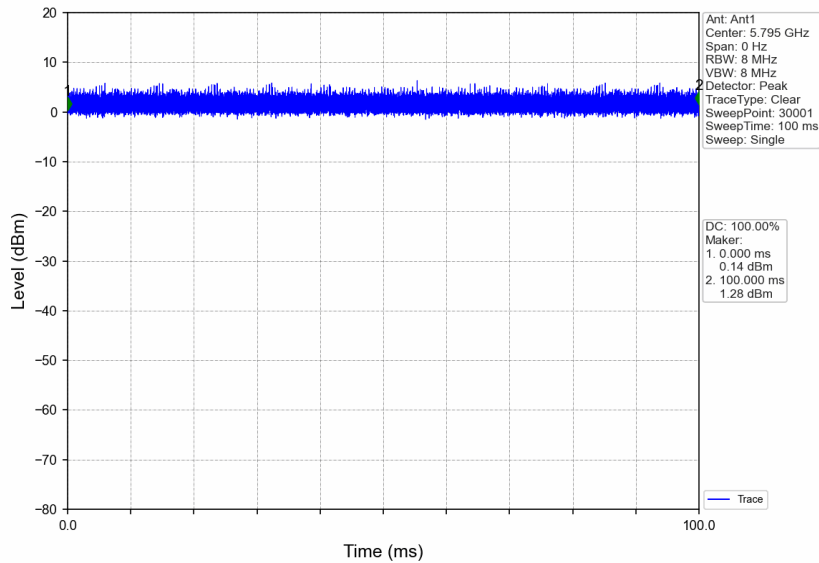
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802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



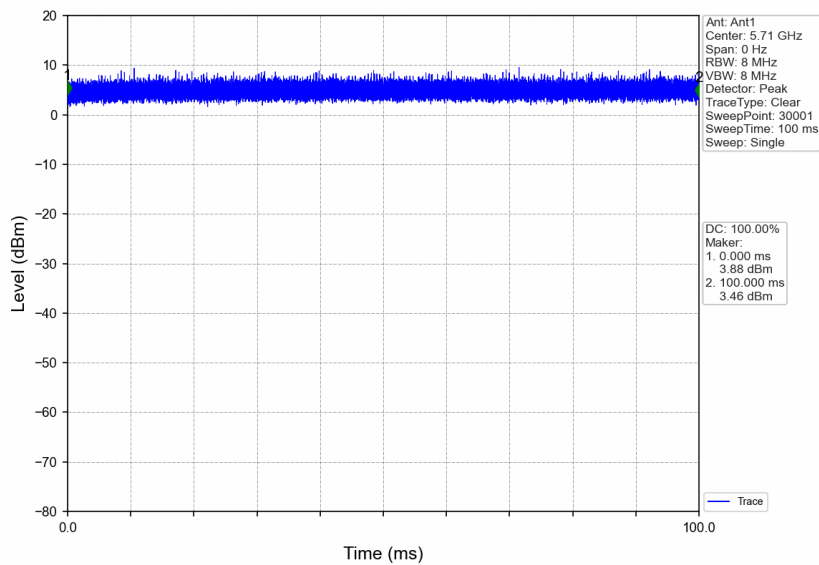
802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



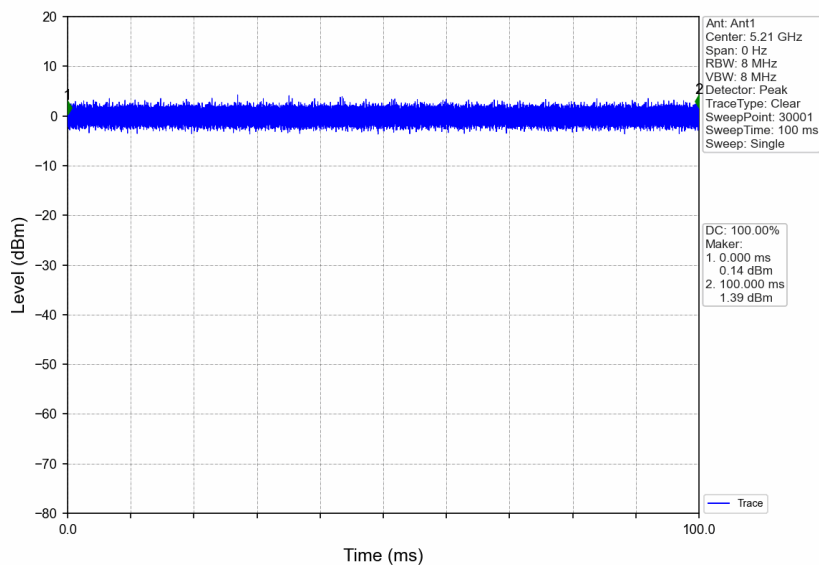
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802.11ac(VHT40)_HCH_5710MHz_Ant1_NTNV

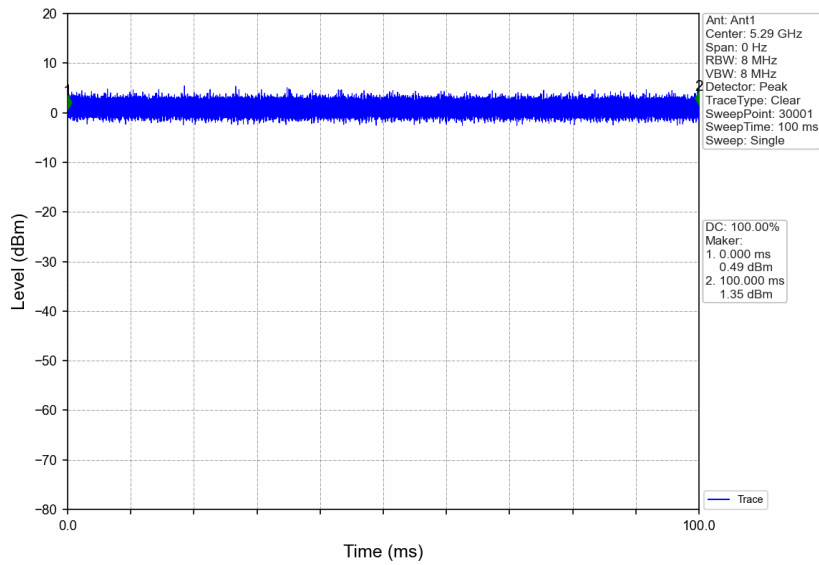


802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV

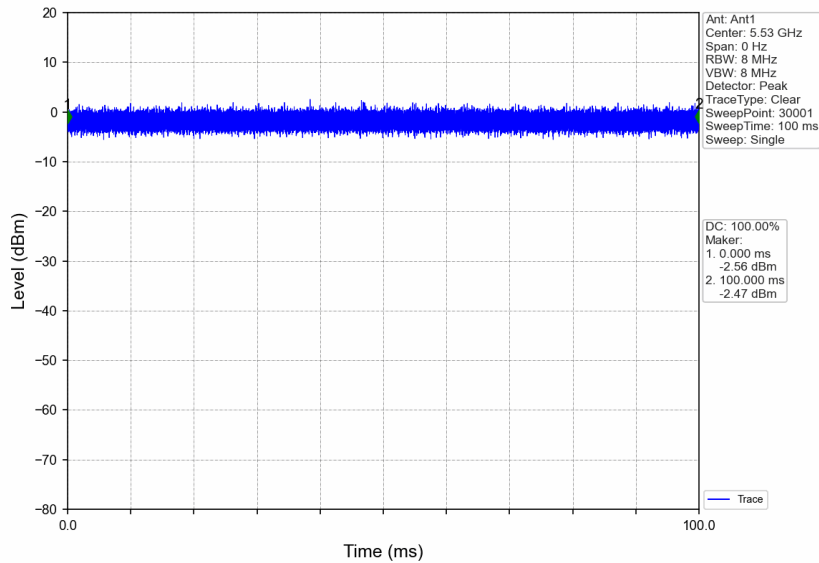


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802.11ac(VHT80)_MCH_5290MHz_Ant1_NTNV



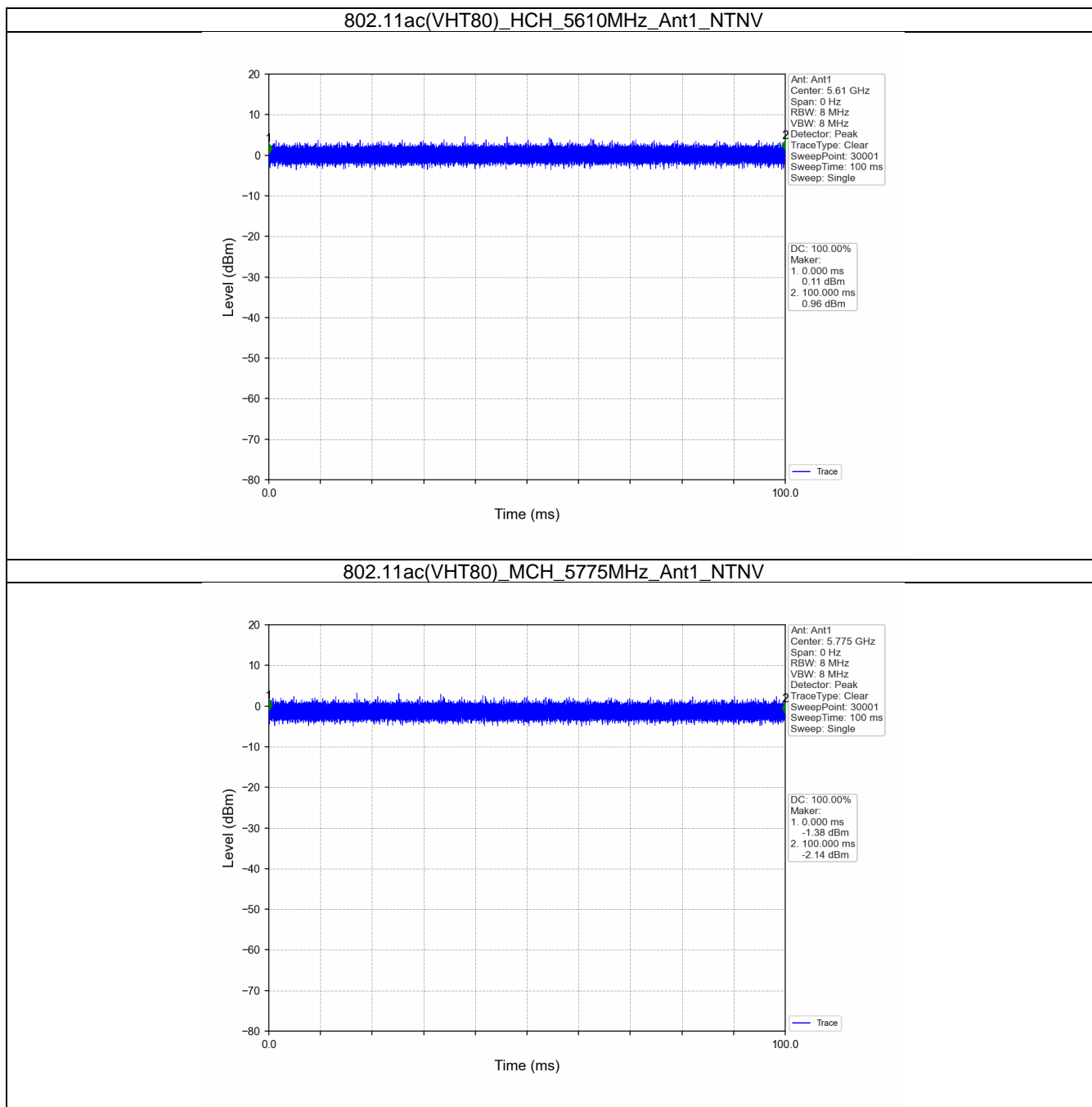
802.11ac(VHT80)_LCH_5530MHz_Ant1_NTNV



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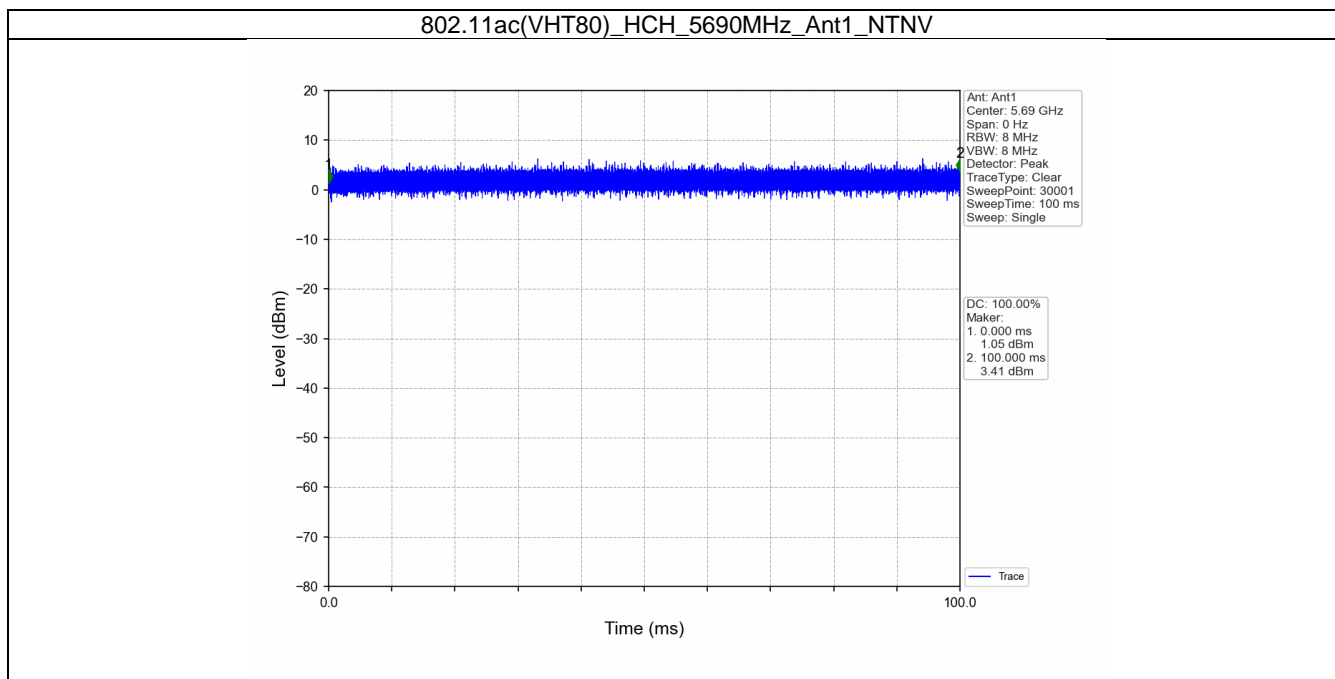


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1.2 Ant2

1.2.1 Test Result

Ant2							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11a	SISO	5180	100.000	100.000	100.00	0.00	0.00
		5200	100.000	100.000	100.00	0.00	0.00
		5240	100.000	100.000	100.00	0.00	0.00
		5260	100.000	100.000	100.00	0.00	0.00
		5300	100.000	100.000	100.00	0.00	0.00
		5320	100.000	100.000	100.00	0.00	0.00
		5500	100.000	100.000	100.00	0.00	0.00
		5580	100.000	100.000	100.00	0.00	0.00
		5700	100.000	100.000	100.00	0.00	0.00
		5745	100.000	100.000	100.00	0.00	0.00
		5785	100.000	100.000	100.00	0.00	0.00
		5825	100.000	100.000	100.00	0.00	0.00
802.11n (HT20)	MIMO	5180	100.000	100.000	100.00	0.00	0.00
		5200	100.000	100.000	100.00	0.00	0.00
		5240	100.000	100.000	100.00	0.00	0.00
		5260	100.000	100.000	100.00	0.00	0.00
		5300	100.000	100.000	100.00	0.00	0.00
		5320	100.000	100.000	100.00	0.00	0.00
		5500	100.000	100.000	100.00	0.00	0.00
		5580	100.000	100.000	100.00	0.00	0.00
		5700	100.000	100.000	100.00	0.00	0.00
		5745	100.000	100.000	100.00	0.00	0.00
		5785	100.000	100.000	100.00	0.00	0.00
		5825	100.000	100.000	100.00	0.00	0.00
802.11n (HT40)	MIMO	5190	100.000	100.000	100.00	0.00	0.00
		5230	100.000	100.000	100.00	0.00	0.00
		5270	100.000	100.000	100.00	0.00	0.00
		5310	100.000	100.000	100.00	0.00	0.00
		5510	100.000	100.000	100.00	0.00	0.00
		5550	100.000	100.000	100.00	0.00	0.00
		5670	100.000	100.000	100.00	0.00	0.00
		5755	100.000	100.000	100.00	0.00	0.00
		5795	100.000	100.000	100.00	0.00	0.00
		5710	100.000	100.000	100.00	0.00	0.00
802.11ac (VHT20)	MIMO	5180	100.000	100.000	100.00	0.00	0.00
		5200	100.000	100.000	100.00	0.00	0.00
		5240	100.000	100.000	100.00	0.00	0.00
		5260	100.000	100.000	100.00	0.00	0.00
		5300	100.000	100.000	100.00	0.00	0.00
		5320	100.000	100.000	100.00	0.00	0.00

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		5500	100.000	100.000	100.00	0.00	0.00
		5580	100.000	100.000	100.00	0.00	0.00
		5700	100.000	100.000	100.00	0.00	0.00
		5745	100.000	100.000	100.00	0.00	0.00
		5785	100.000	100.000	100.00	0.00	0.00
		5825	100.000	100.000	100.00	0.00	0.00
		5720	100.000	100.000	100.00	0.00	0.00
802.11ac (VHT40)	MIMO	5190	100.000	100.000	100.00	0.00	0.00
		5230	100.000	100.000	100.00	0.00	0.00
		5270	100.000	100.000	100.00	0.00	0.00
		5310	100.000	100.000	100.00	0.00	0.00
		5510	100.000	100.000	100.00	0.00	0.00
		5550	100.000	100.000	100.00	0.00	0.00
		5670	100.000	100.000	100.00	0.00	0.00
		5755	100.000	100.000	100.00	0.00	0.00
802.11ac (VHT80)	MIMO	5795	100.000	100.000	100.00	0.00	0.00
		5710	100.000	100.000	100.00	0.00	0.00
		5210	100.000	100.000	100.00	0.00	0.00
		5290	100.000	100.000	100.00	0.00	0.00
		5530	100.000	100.000	100.00	0.00	0.00
		5610	100.000	100.000	100.00	0.00	0.00
		5775	100.000	100.000	100.00	0.00	0.00
		5690	100.000	100.000	100.00	0.00	0.00



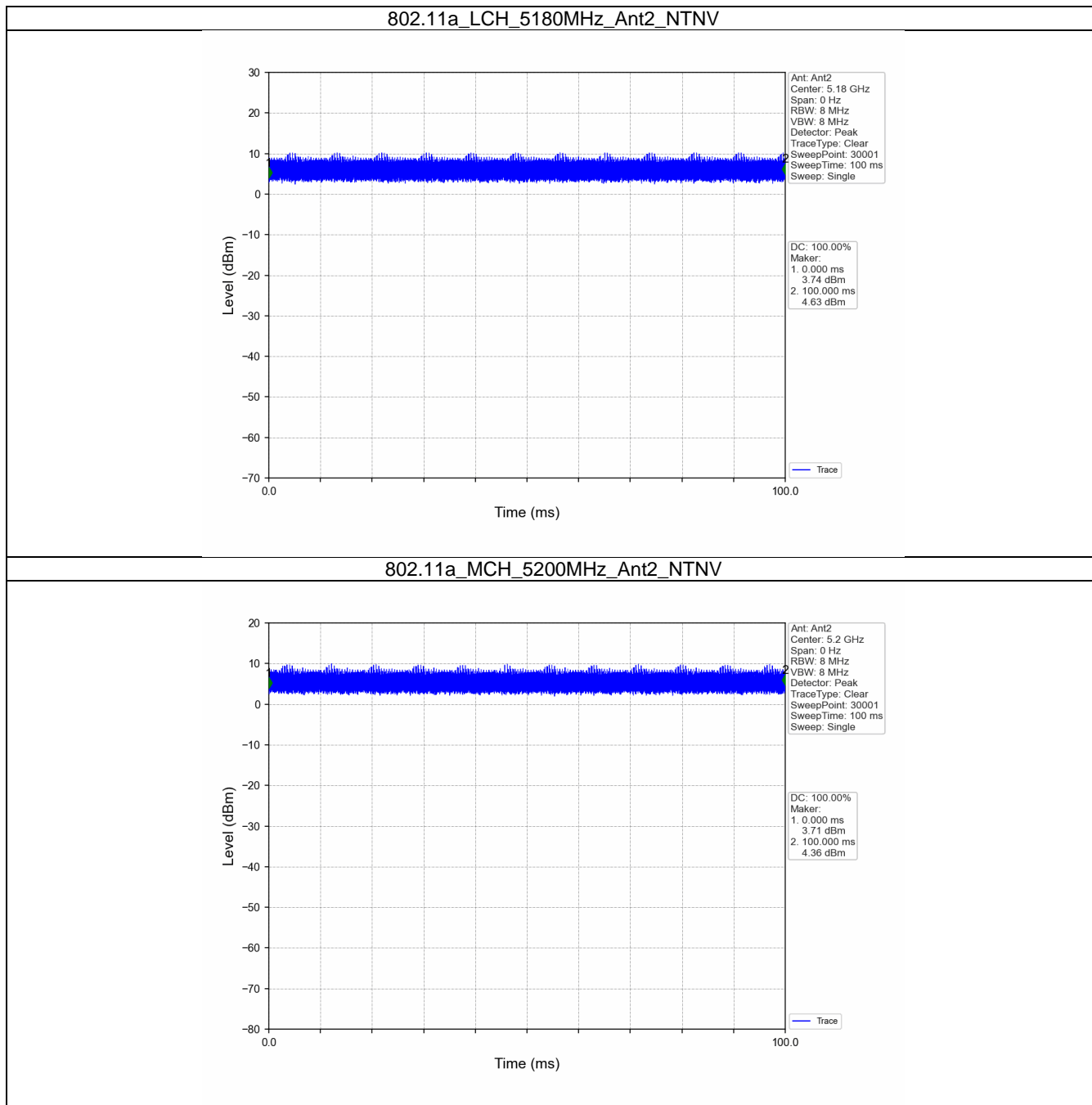
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1.2.2 Test Graph

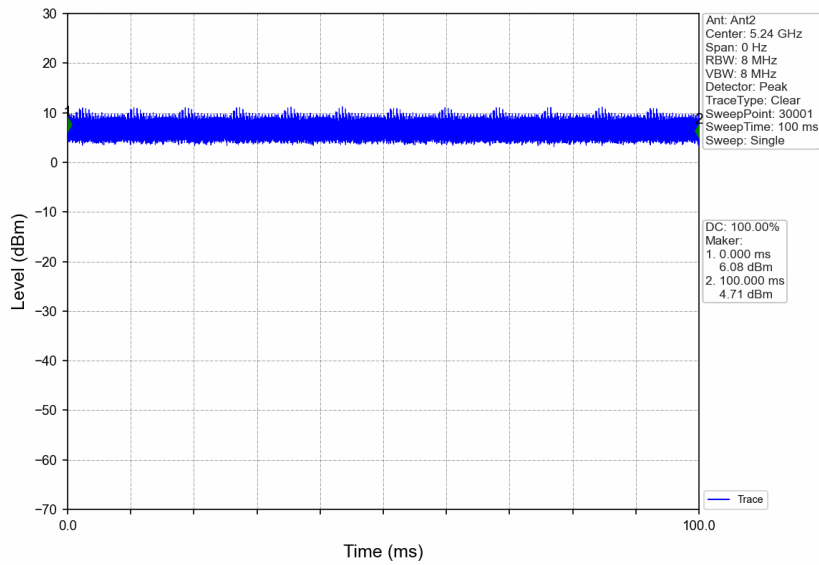


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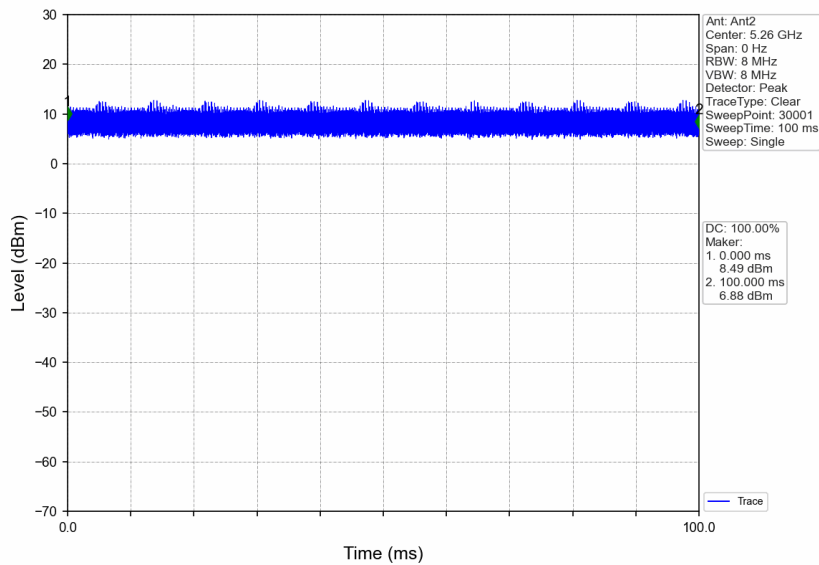
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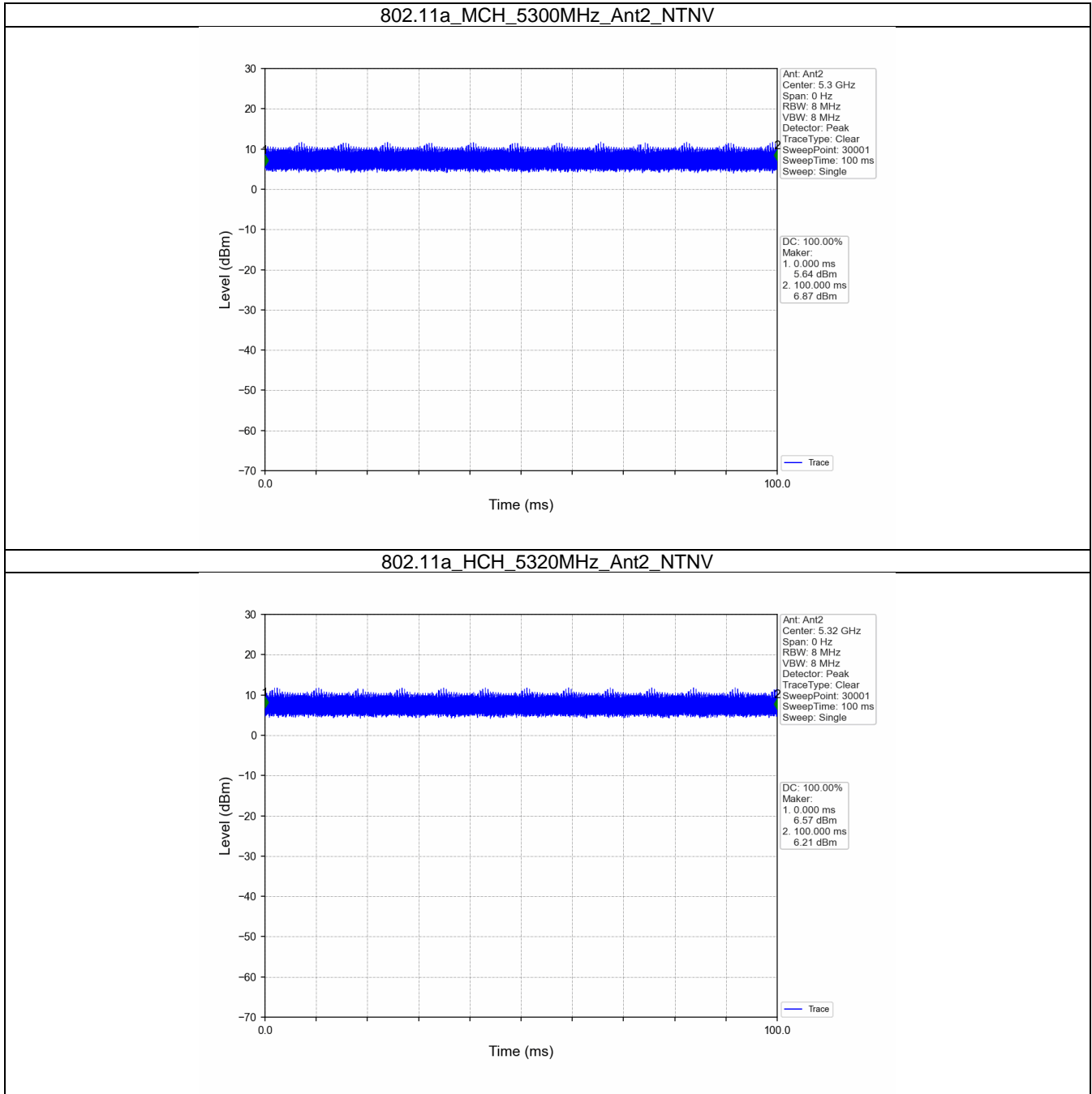
802.11a_HCH_5240MHz_Ant2_NTNV



802.11a_LCH_5260MHz_Ant2_NTNV

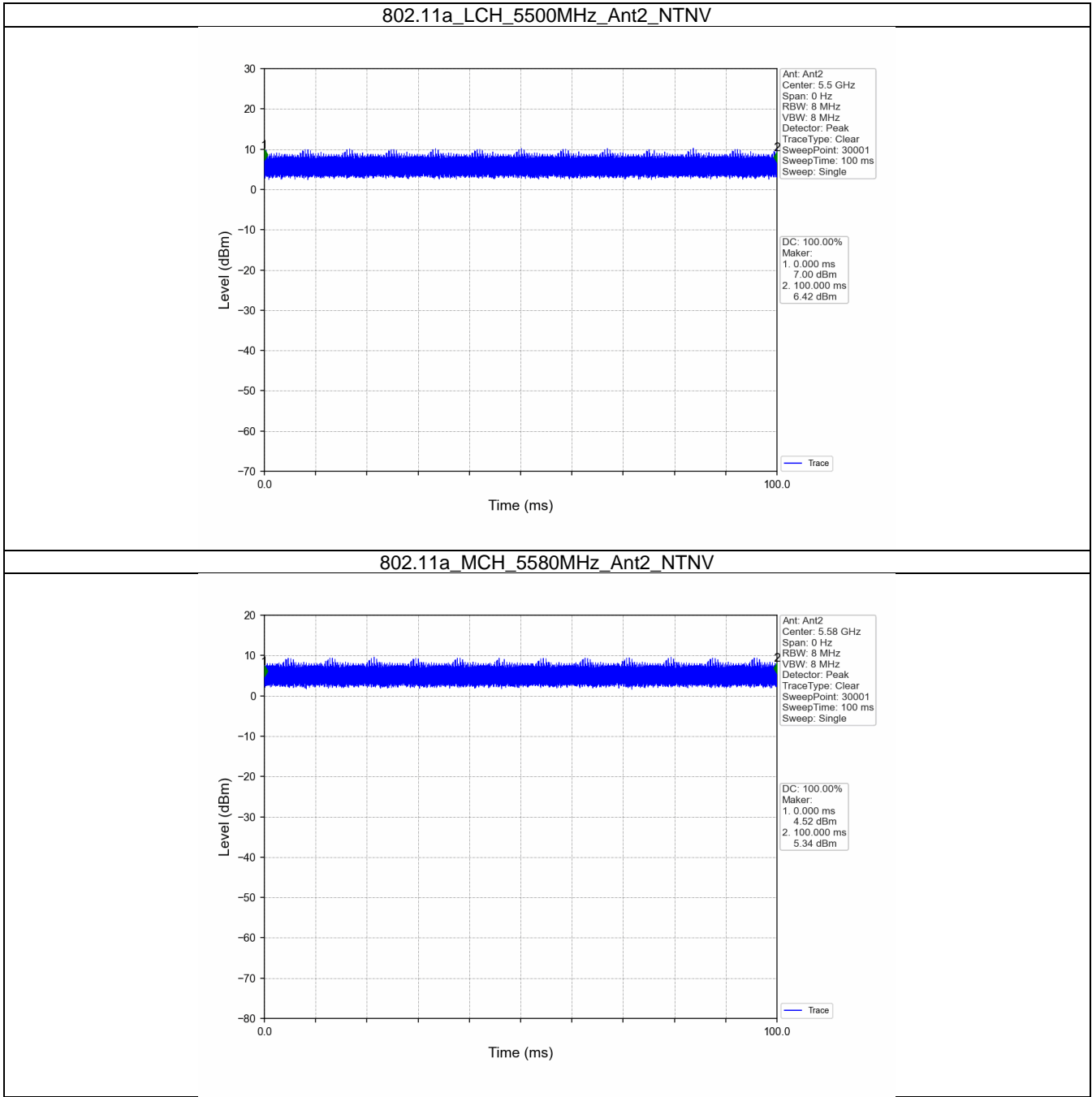


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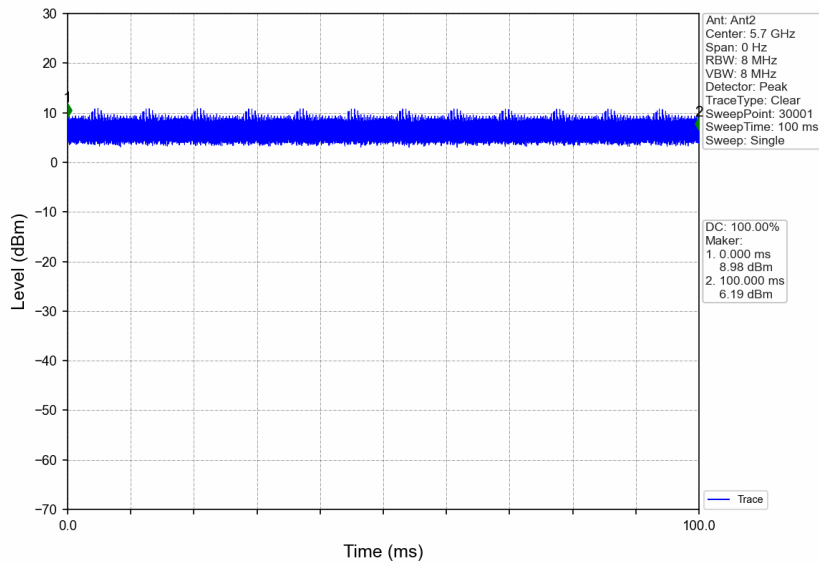
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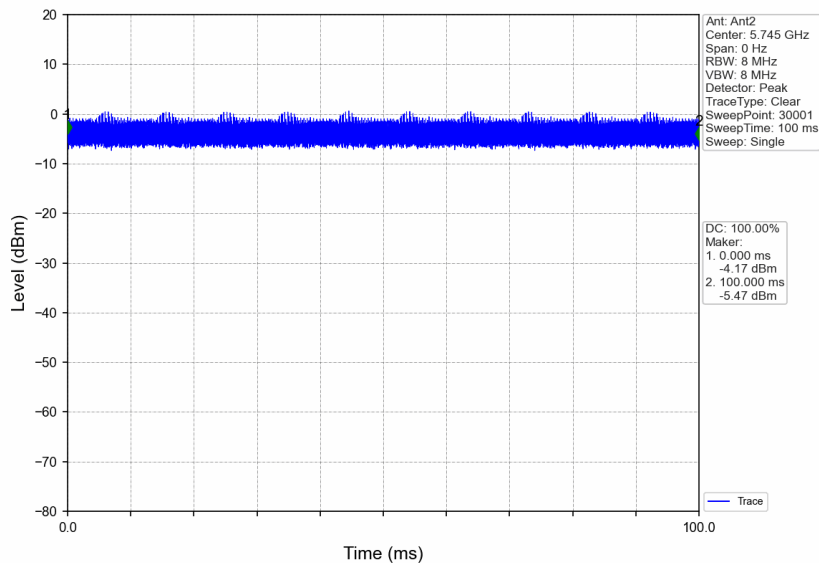
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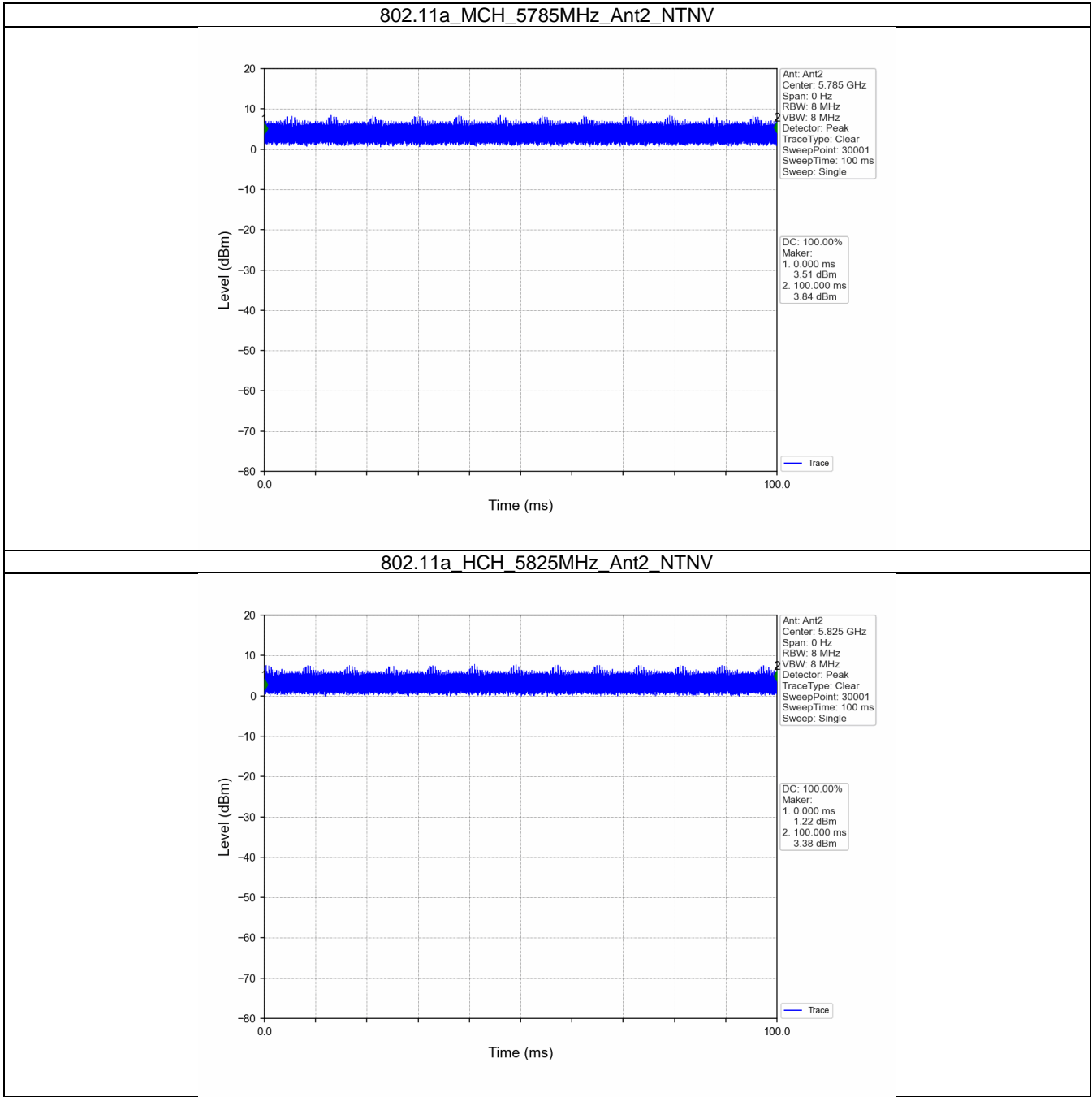
802.11a_HCH_5700MHz_Ant2_NTNV



802.11a_LCH_5745MHz_Ant2_NTNV



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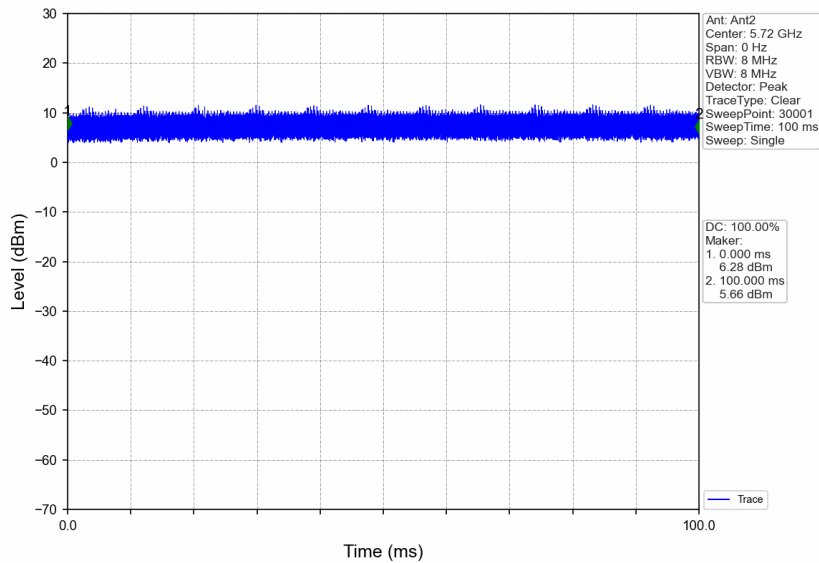


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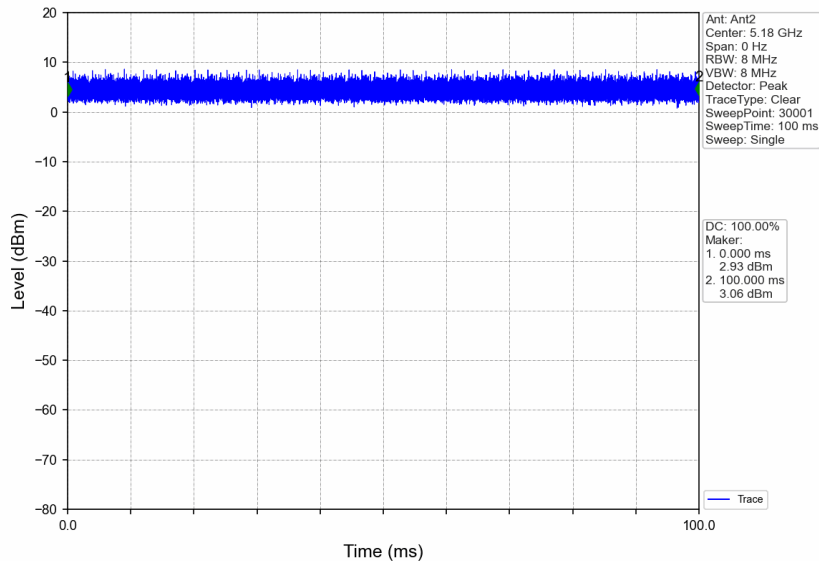
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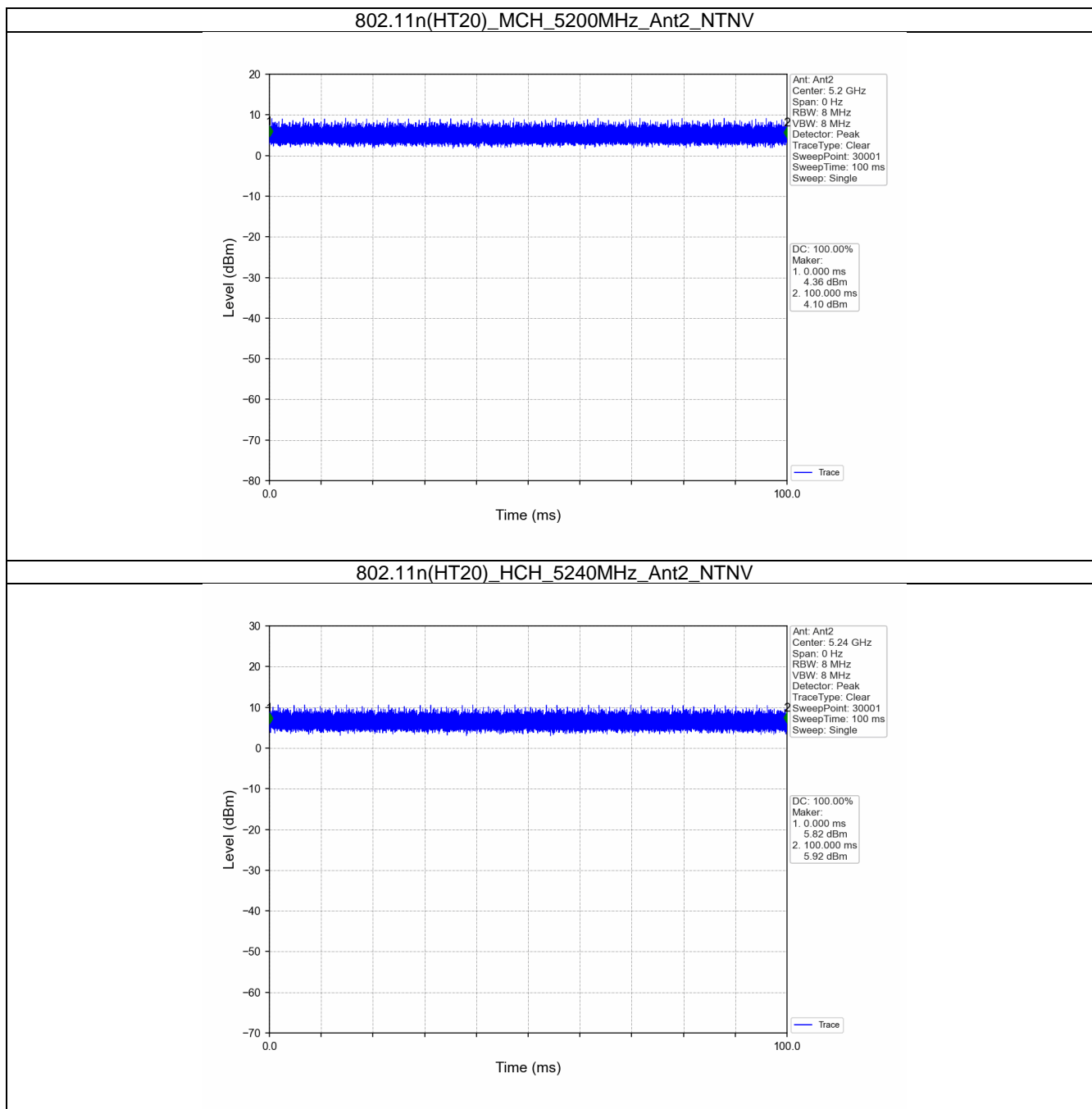
802.11a_HCH_5720MHz_Ant2_NTNV



802.11n(HT20)_LCH_5180MHz_Ant2_NTNV



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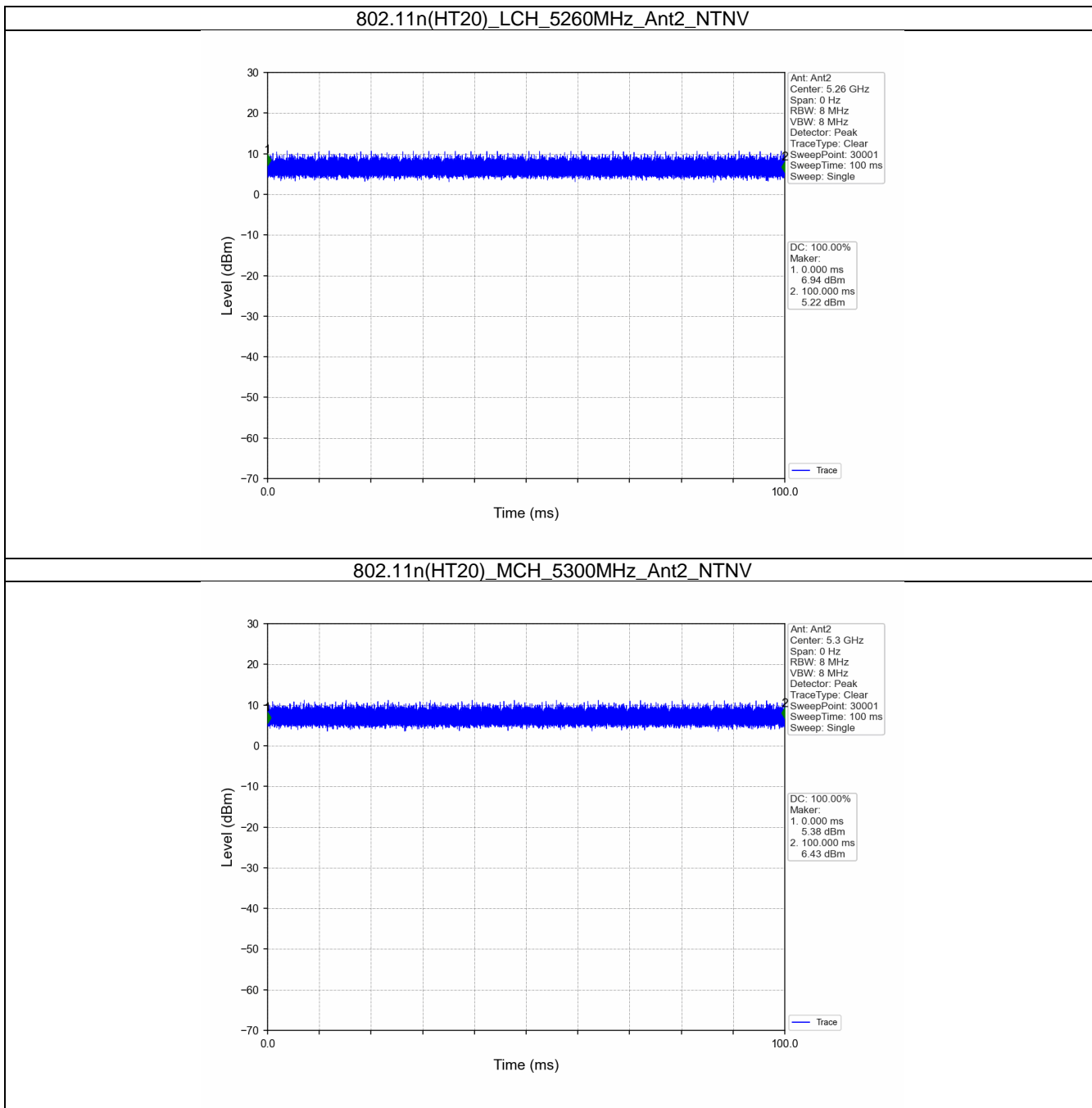


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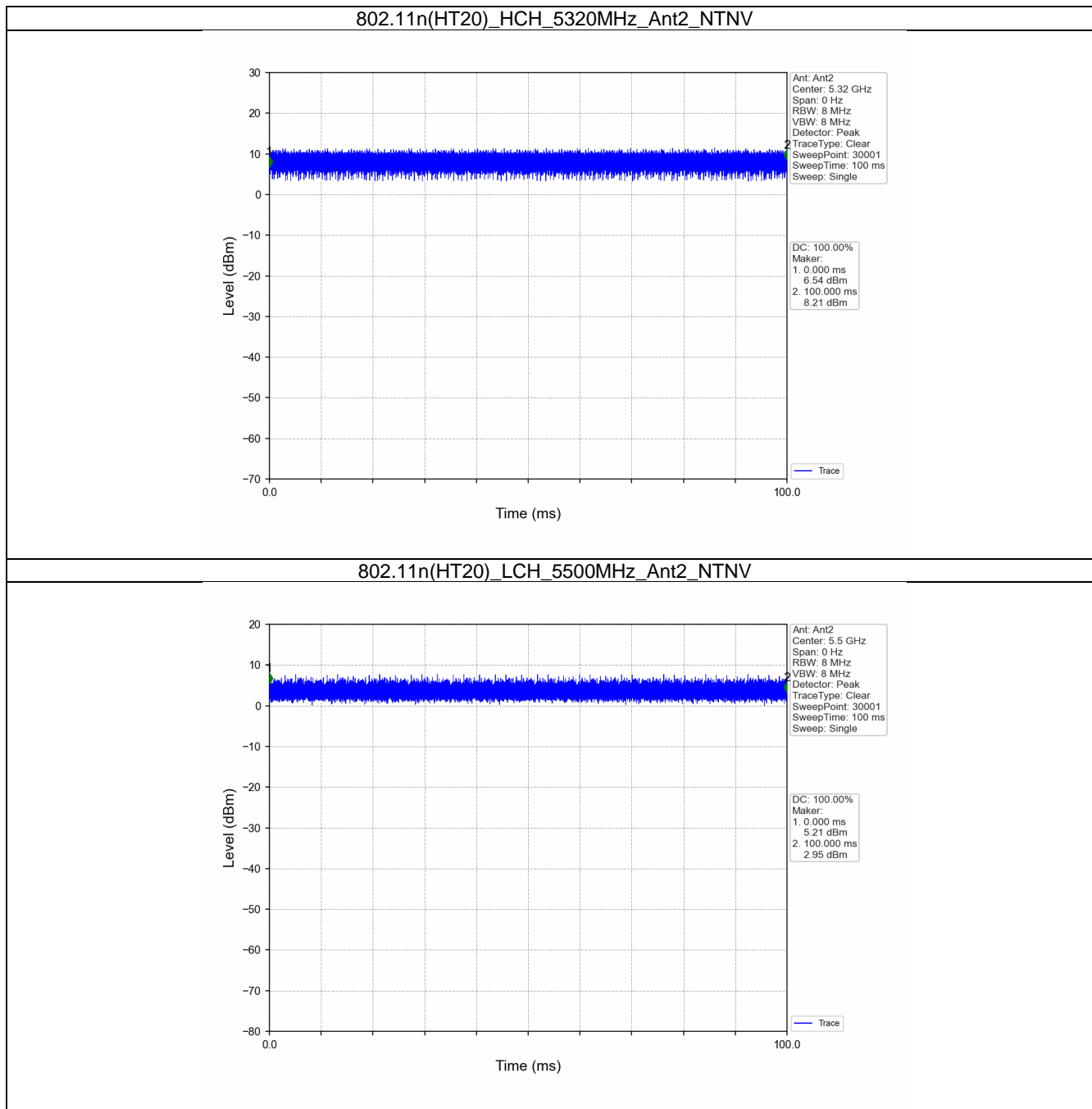


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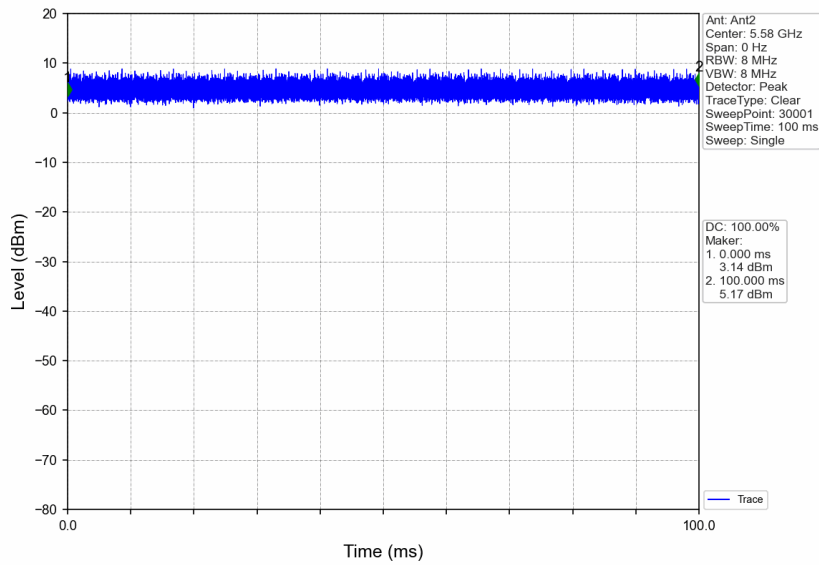


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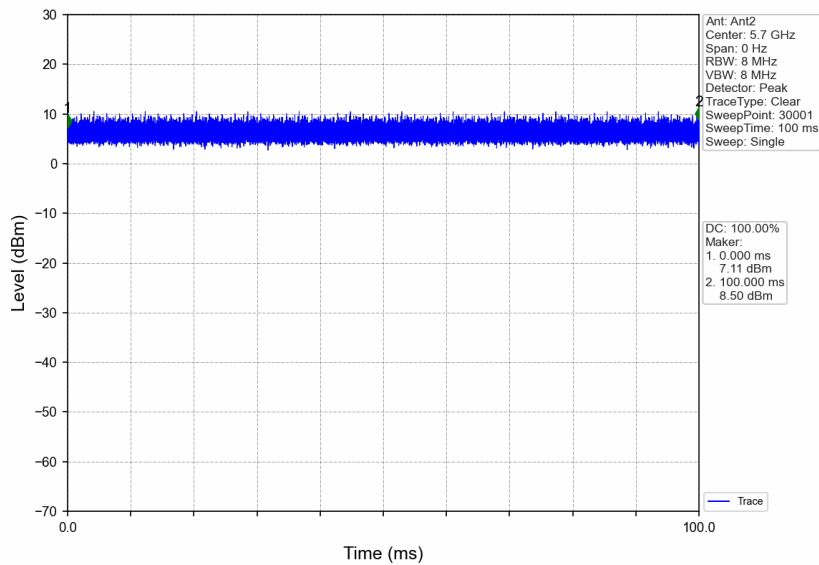
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802.11n(HT20)_MCH_5580MHz_Ant2_NTNV



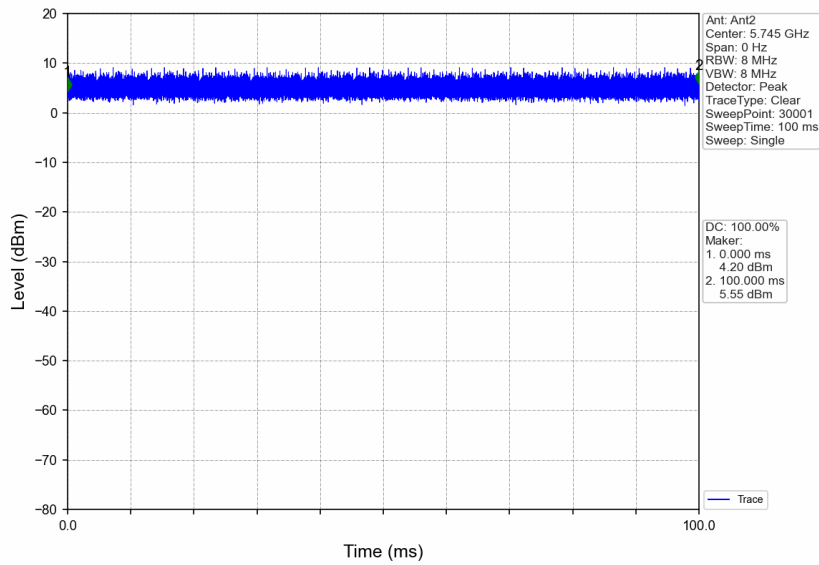
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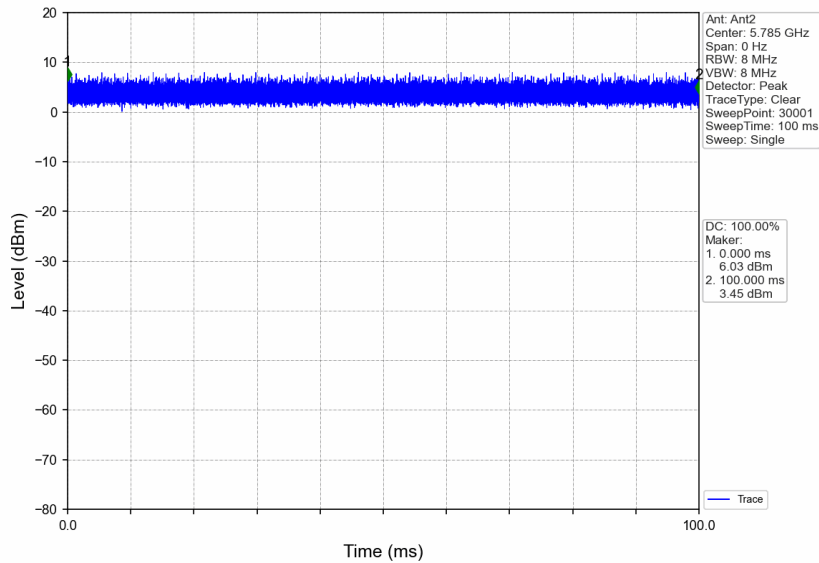
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802.11n(HT20)_LCH_5745MHz_Ant2_NTNV



802.11n(HT20)_MCH_5785MHz_Ant2_NTNV

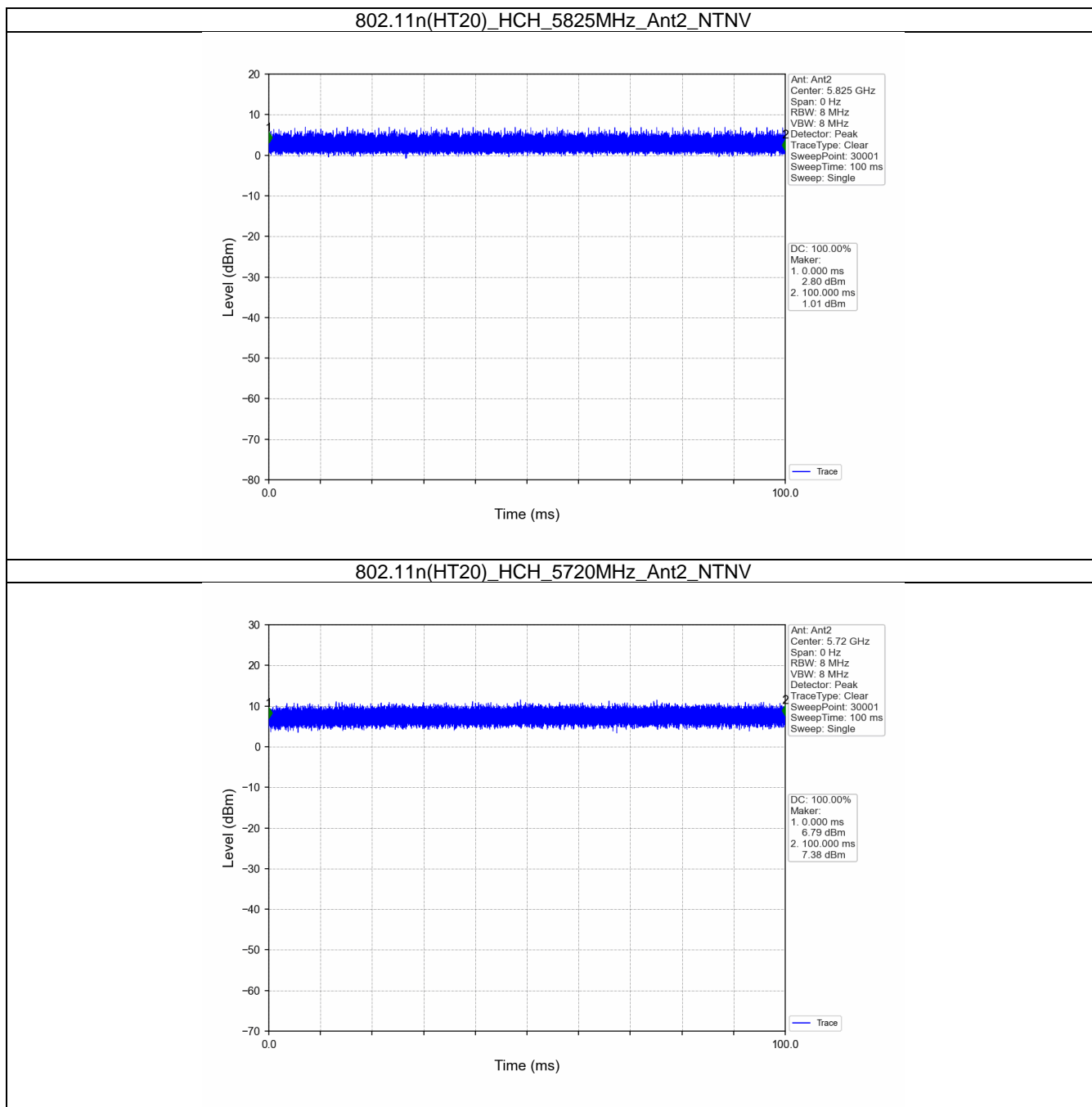


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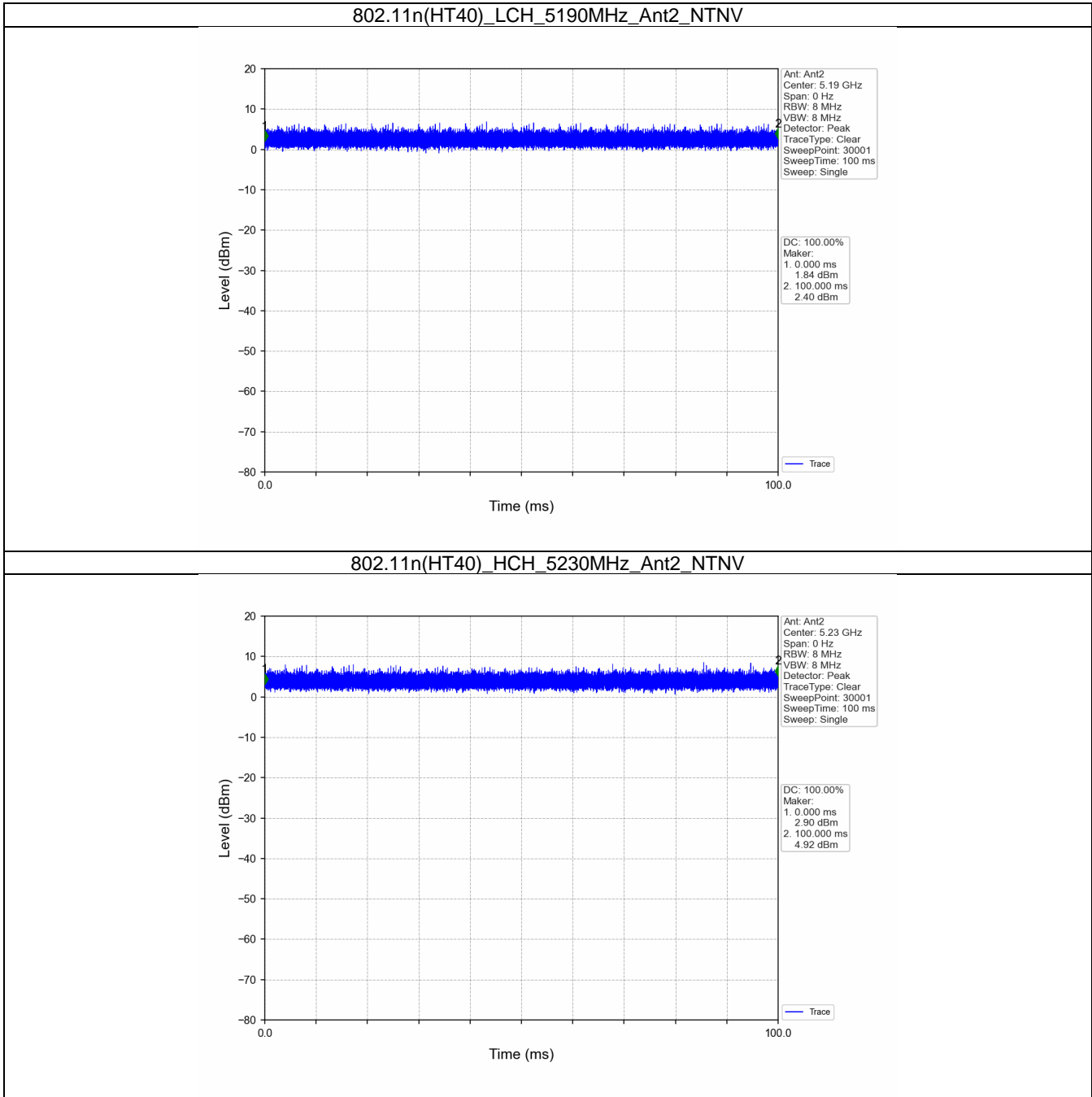


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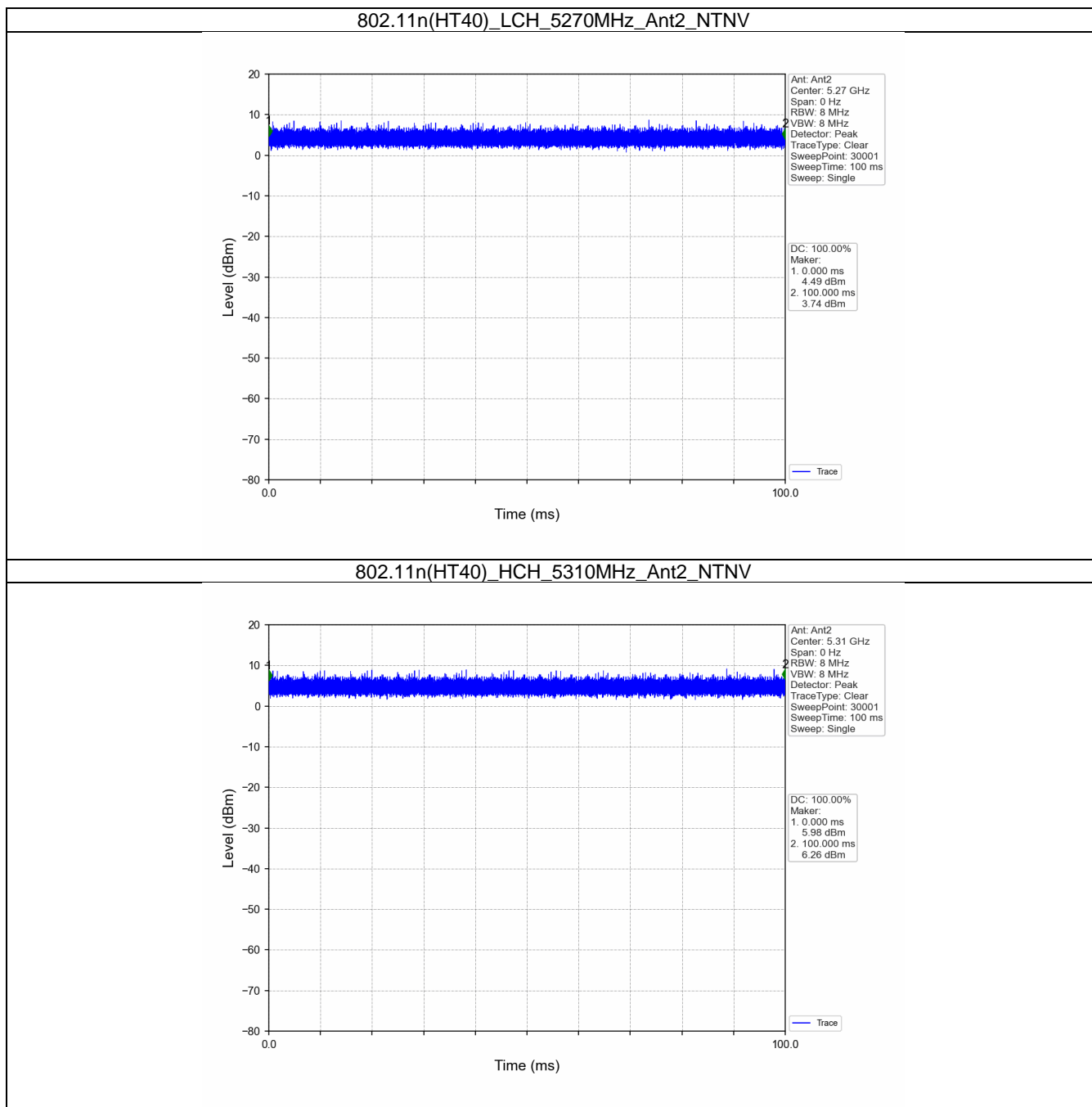


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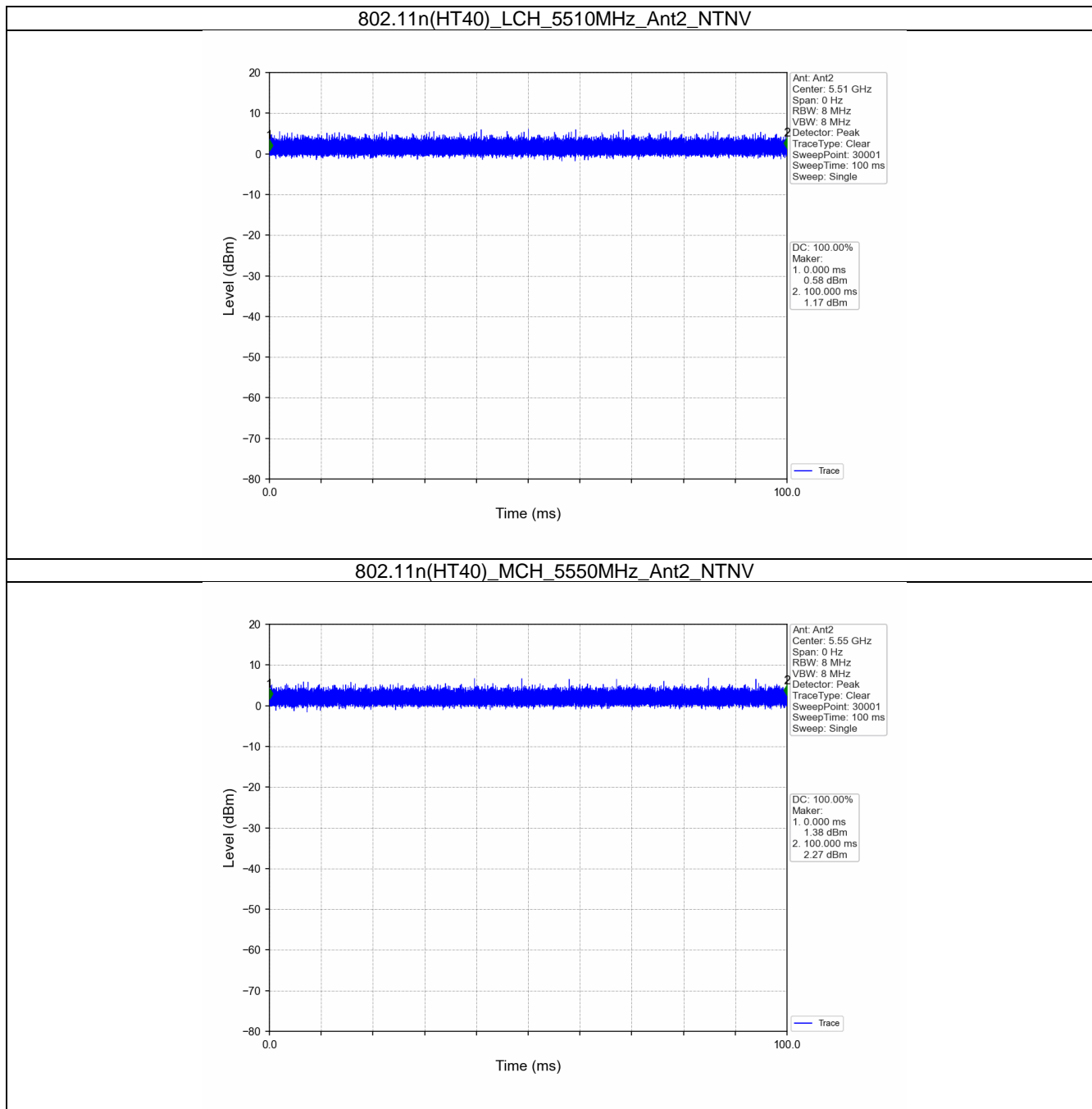


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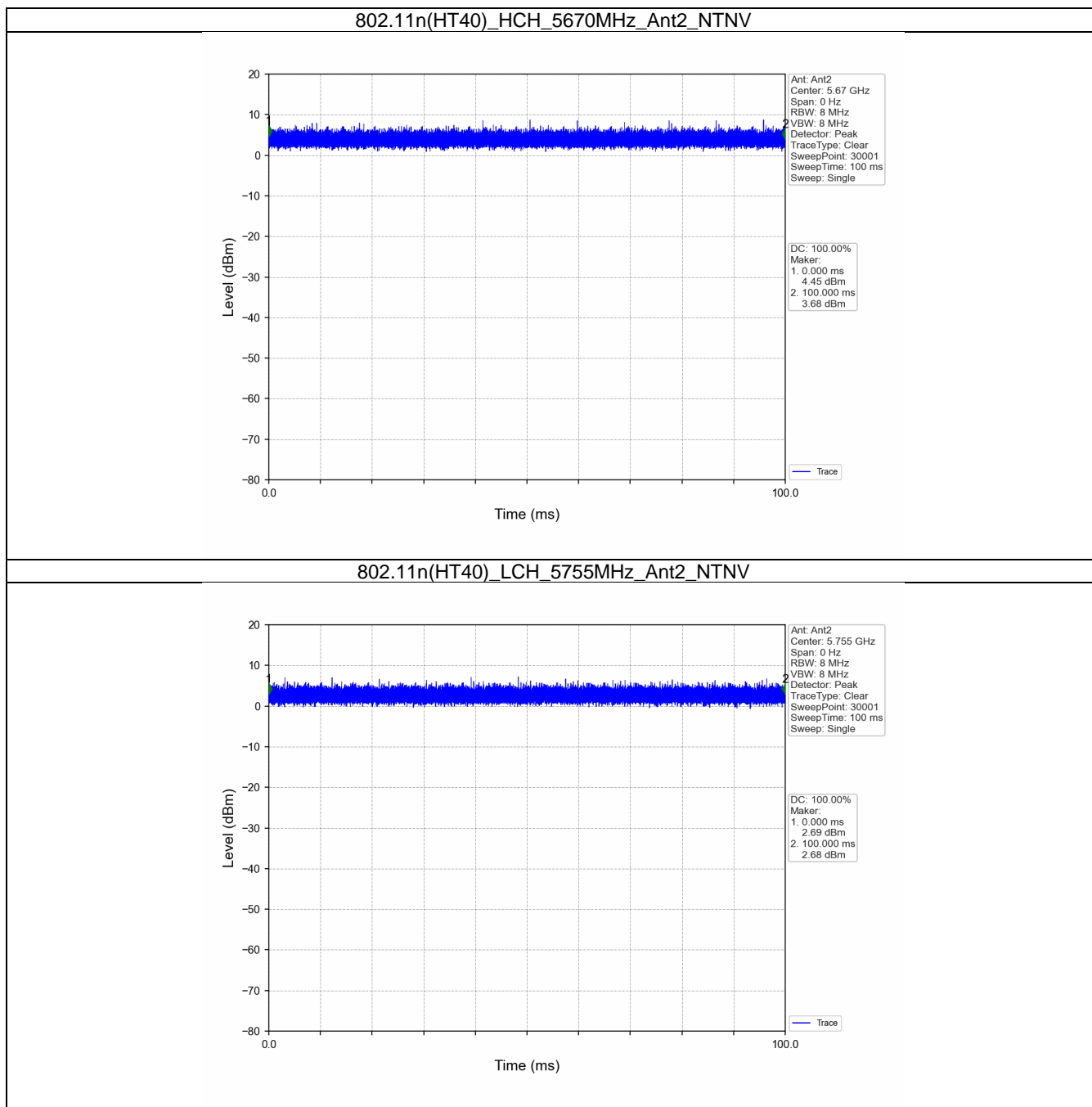


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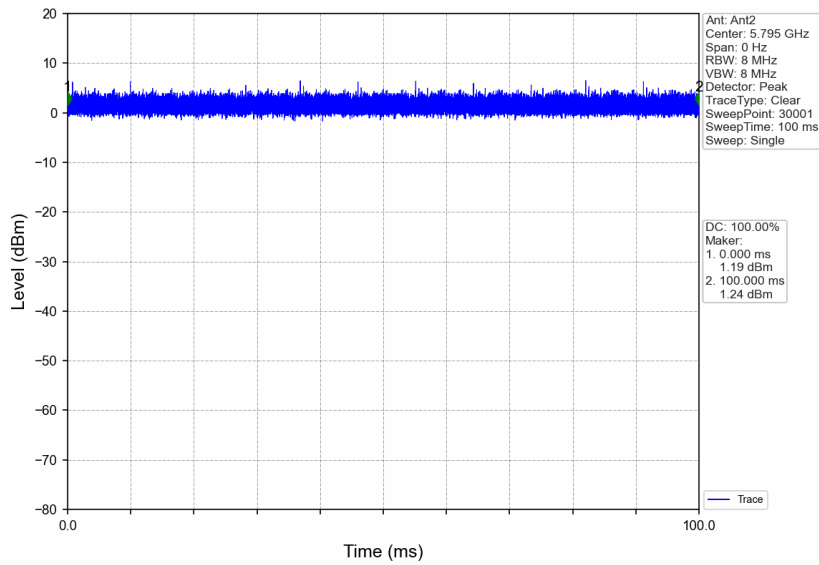
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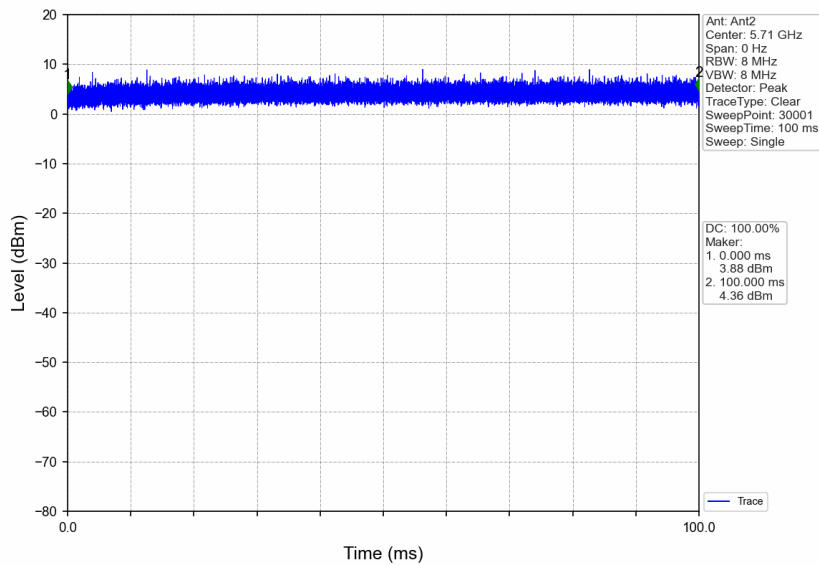
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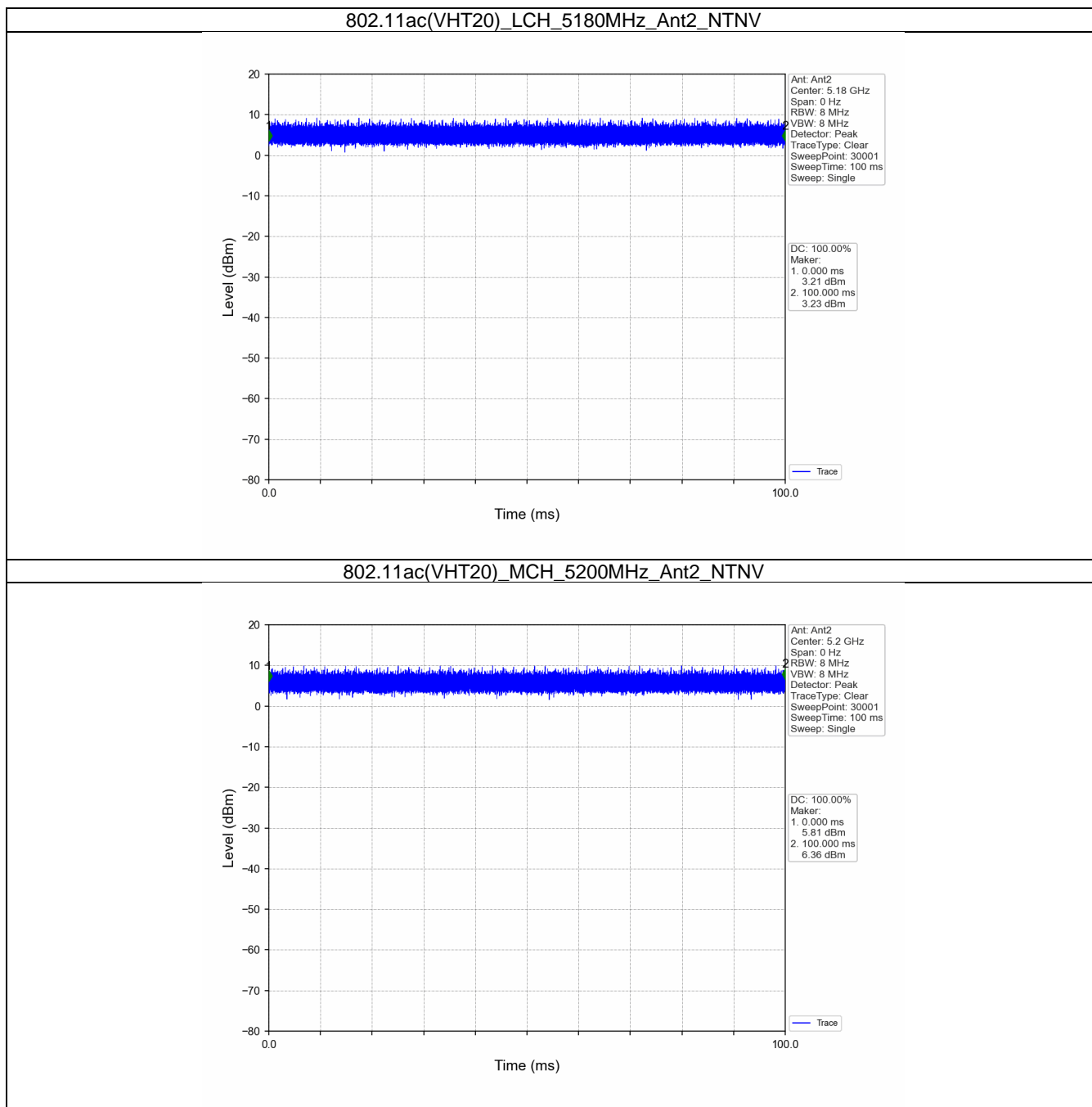
802.11n(HT40)_HCH_5795MHz_Ant2_NTNV



802.11n(HT40)_HCH_5710MHz_Ant2_NTNV



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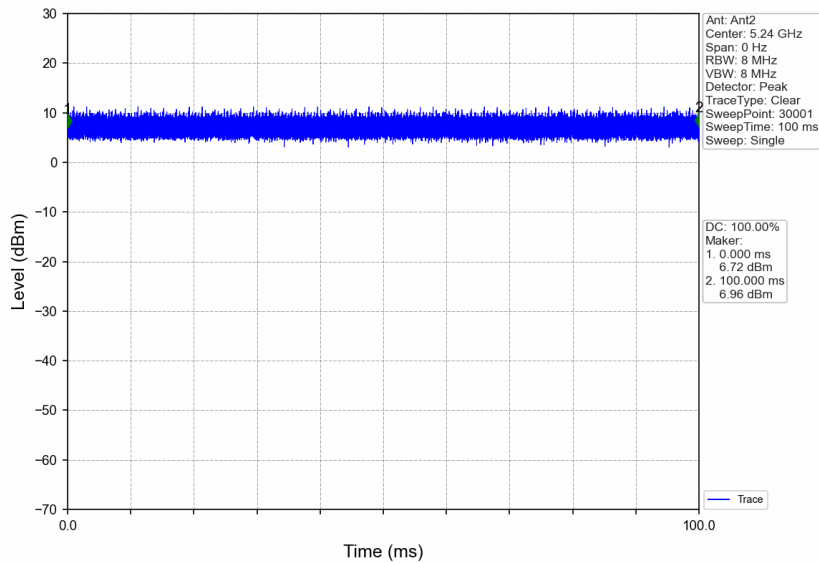
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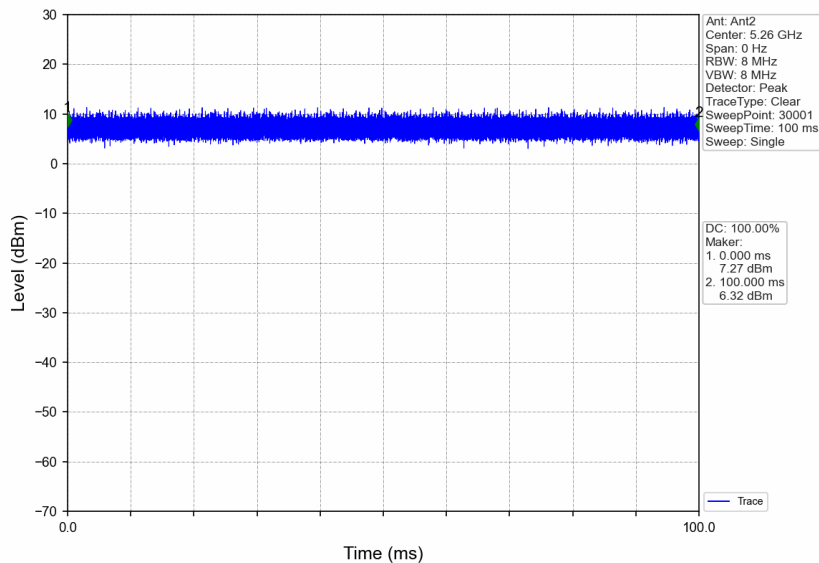
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802.11ac(VHT20)_HCH_5240MHz_Ant2_NTNV

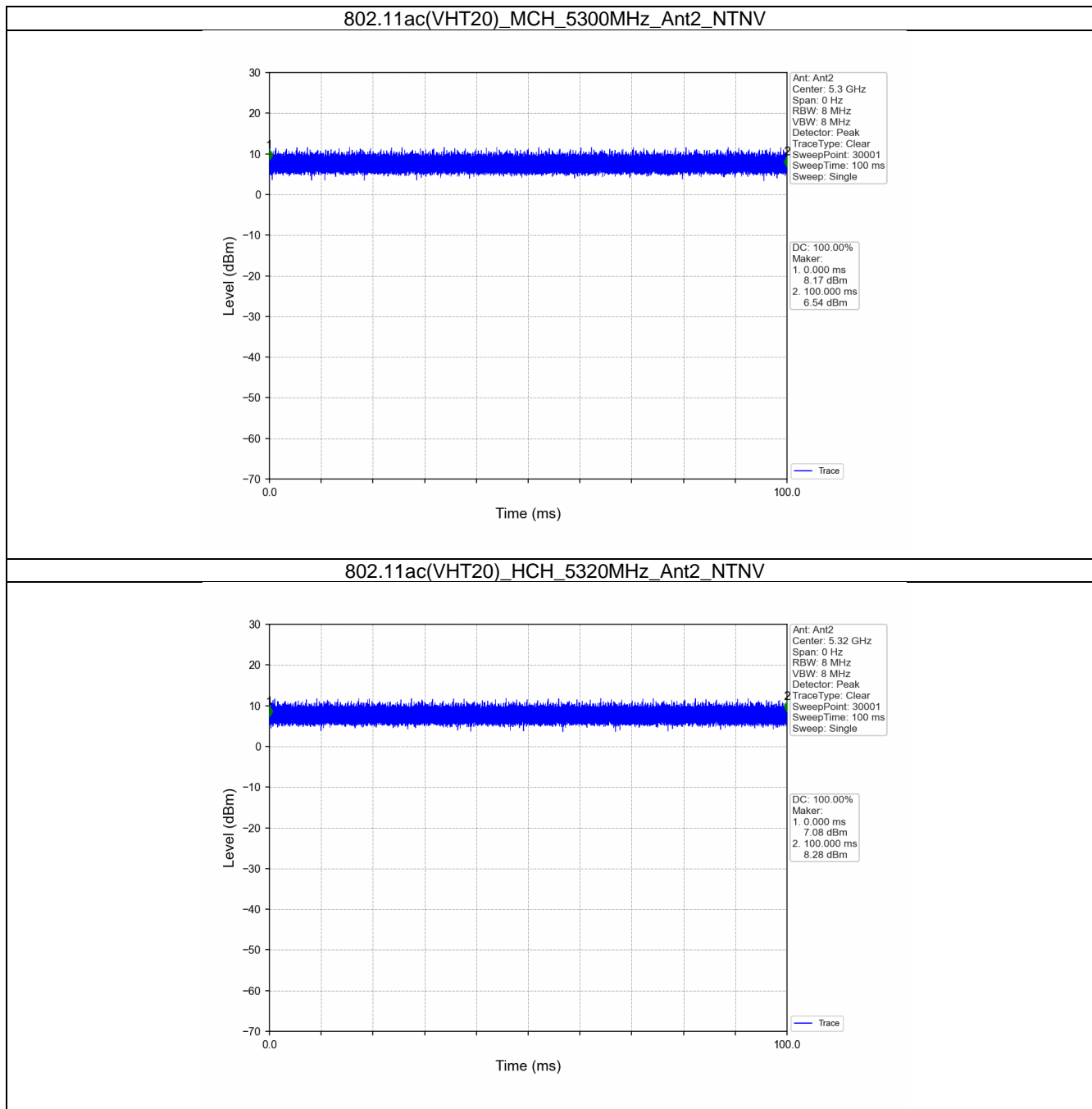


802.11ac(VHT20)_LCH_5260MHz_Ant2_NTNV



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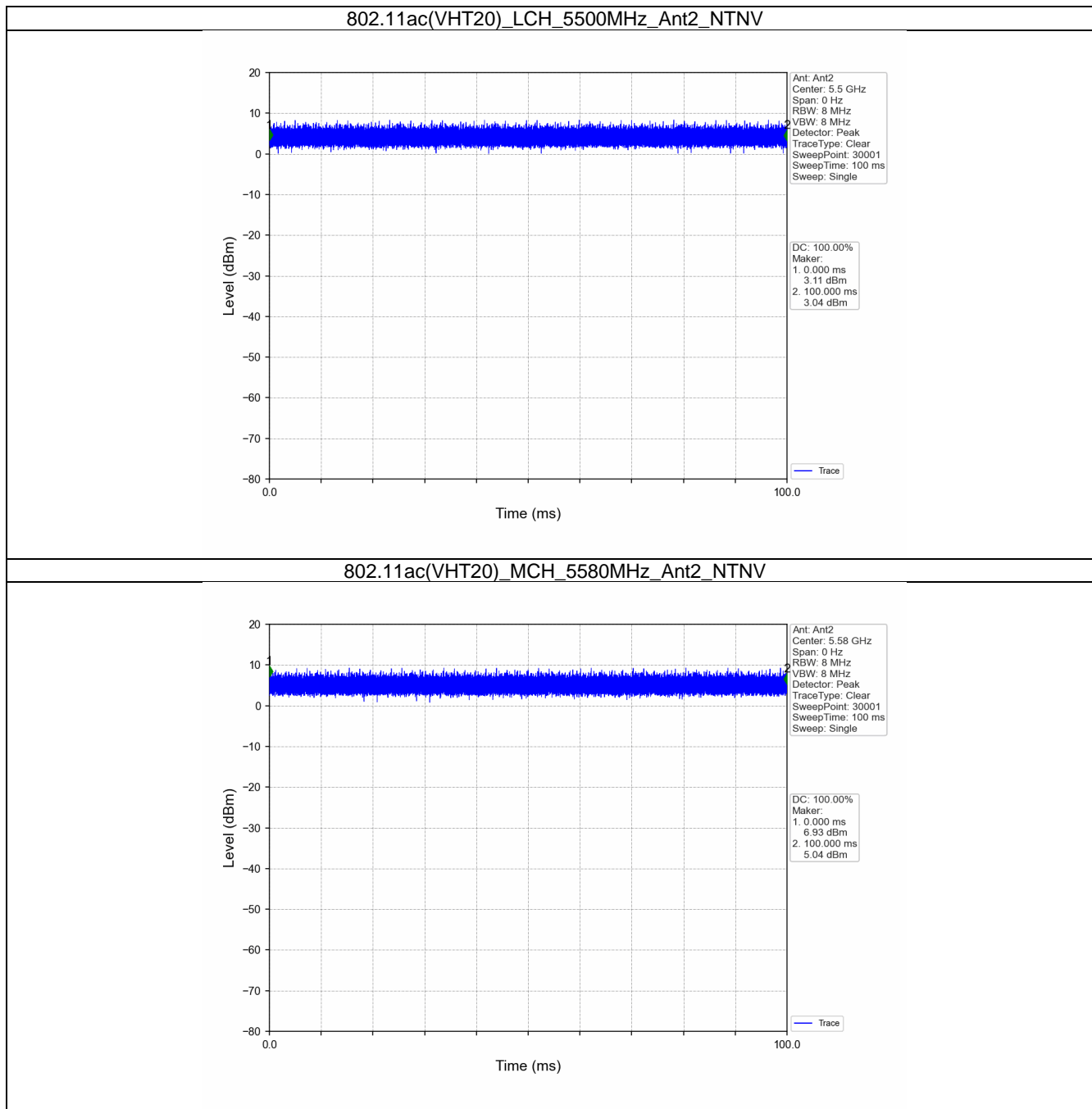
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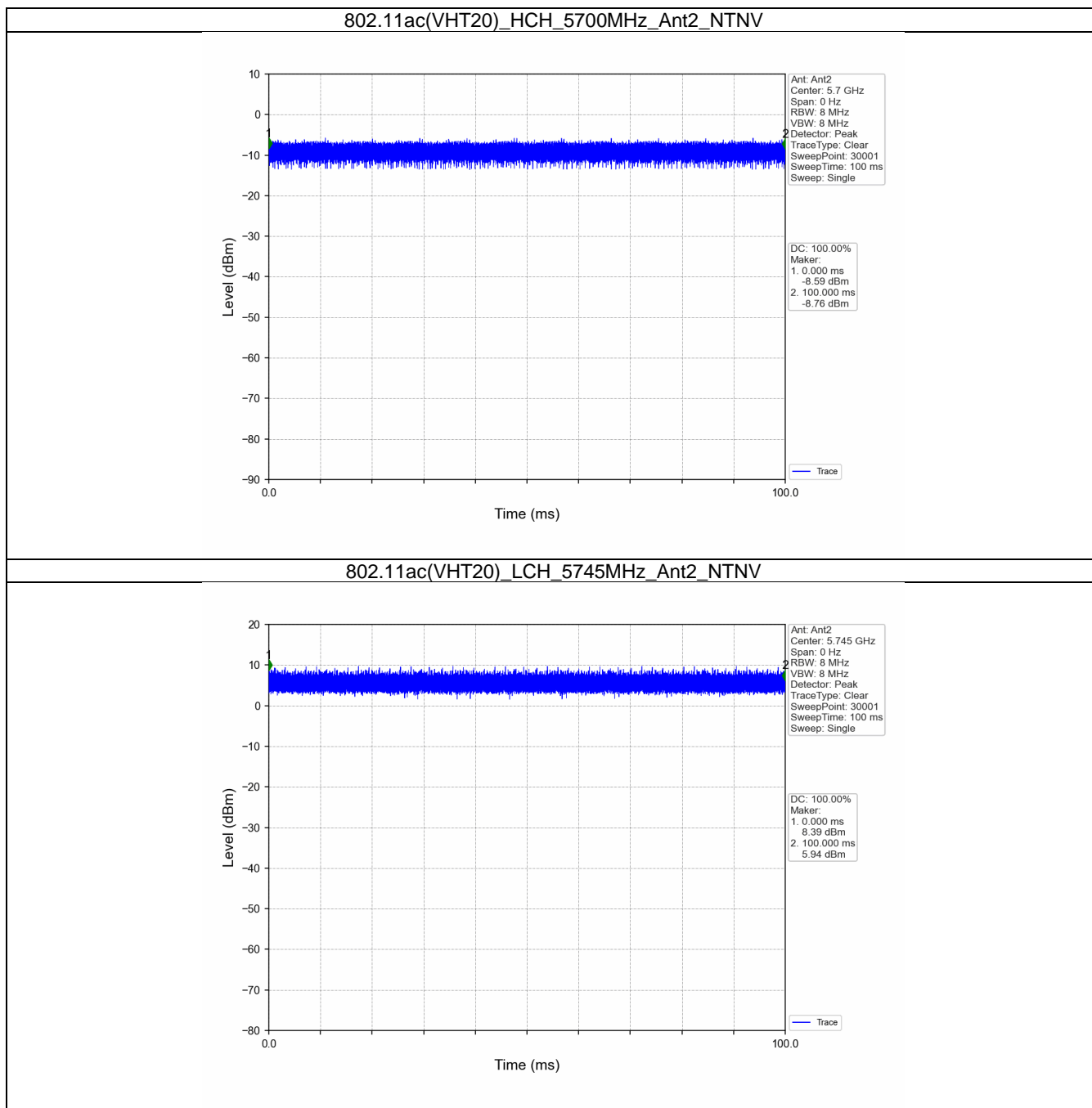


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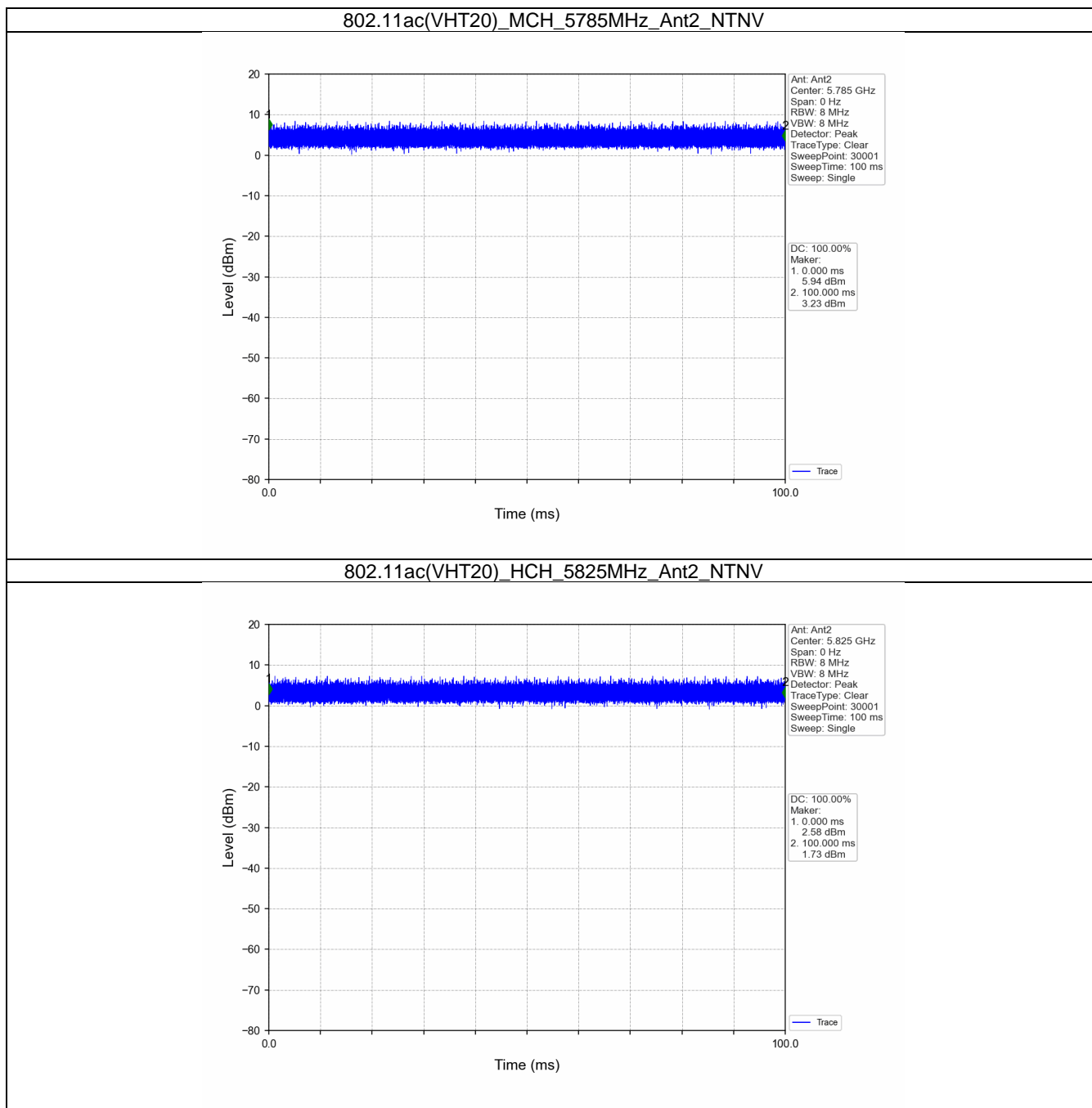


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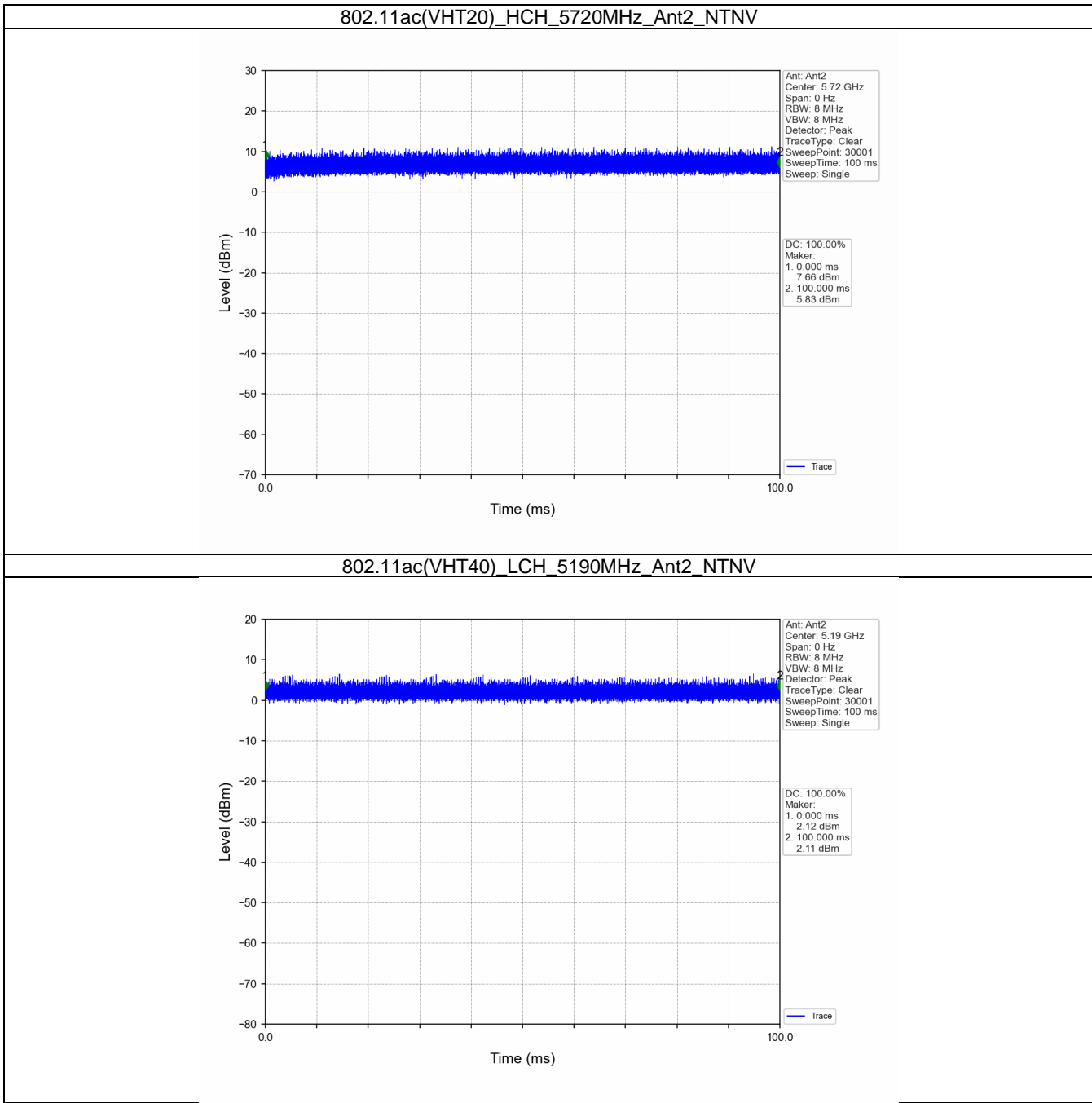
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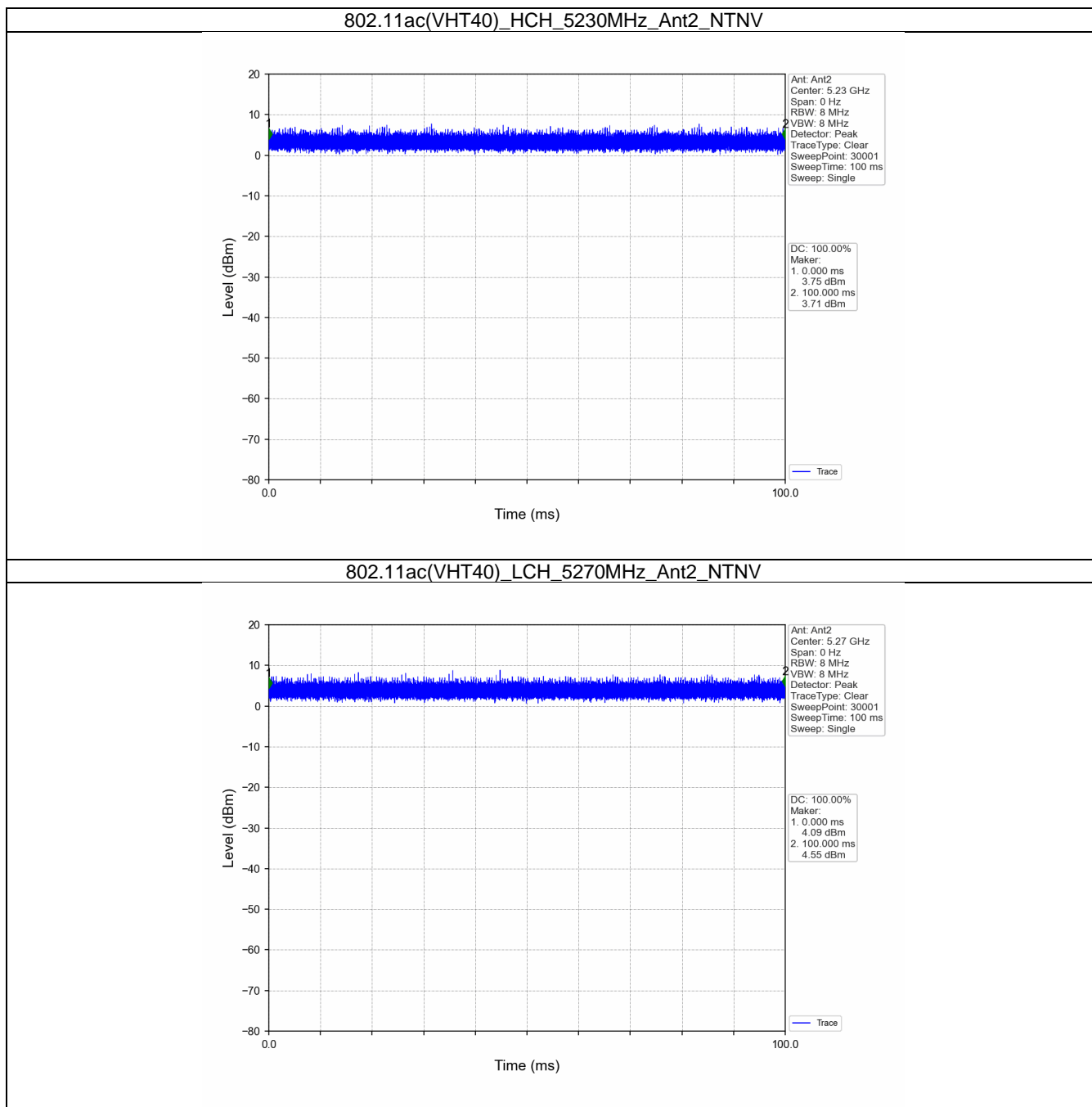


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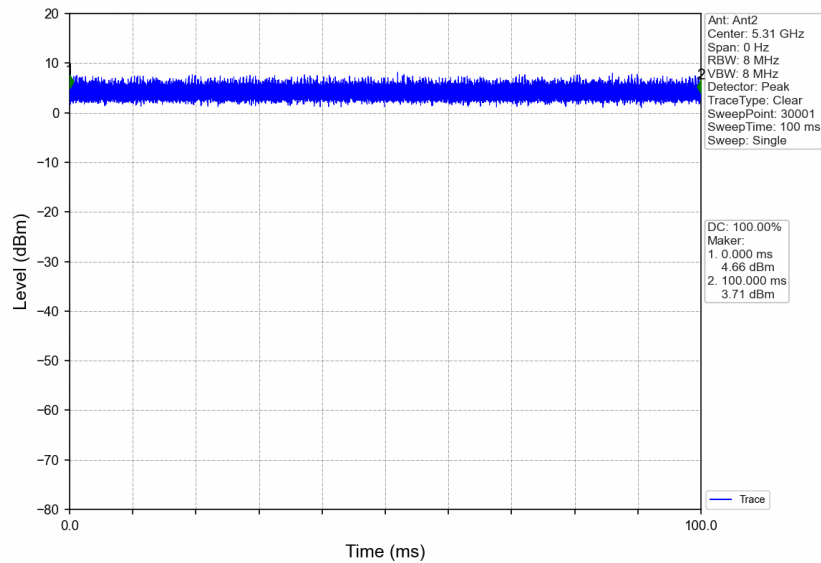
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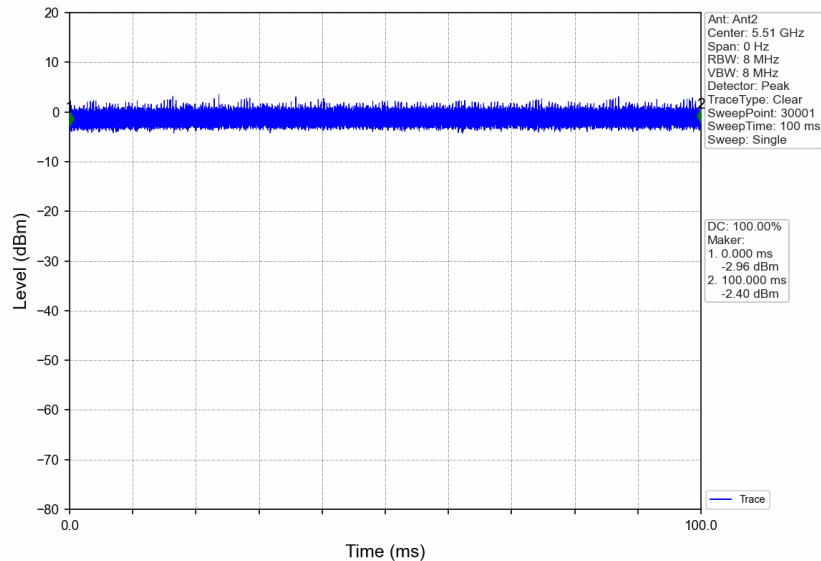
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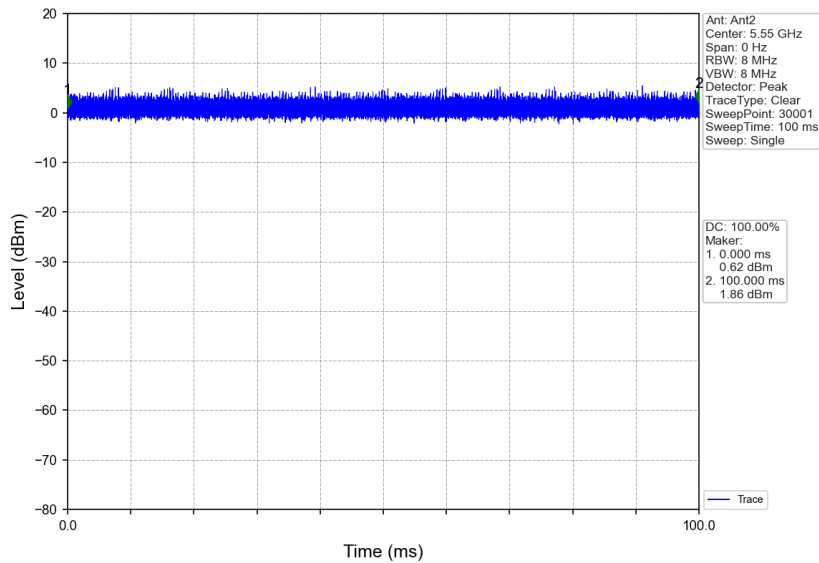


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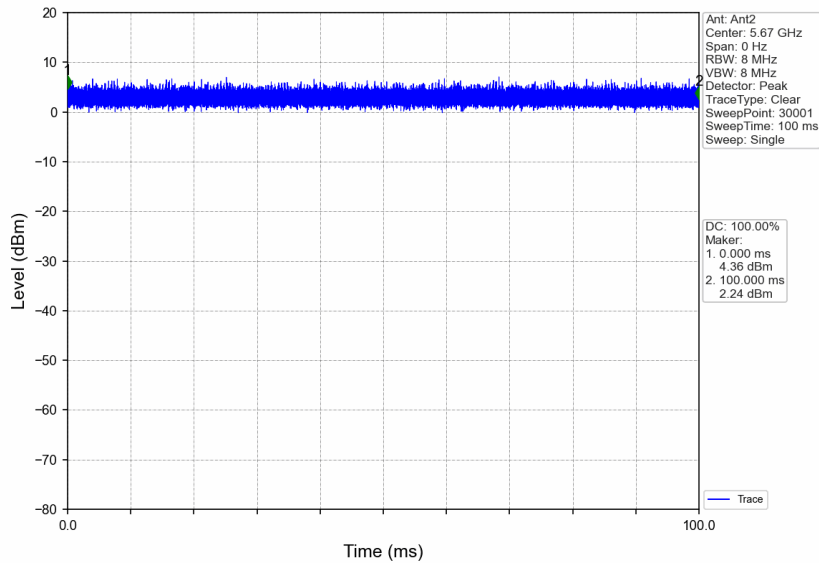
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