

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
		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

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Compliance Certification Services (Kunshan) Inc.
EMC Laboratory

		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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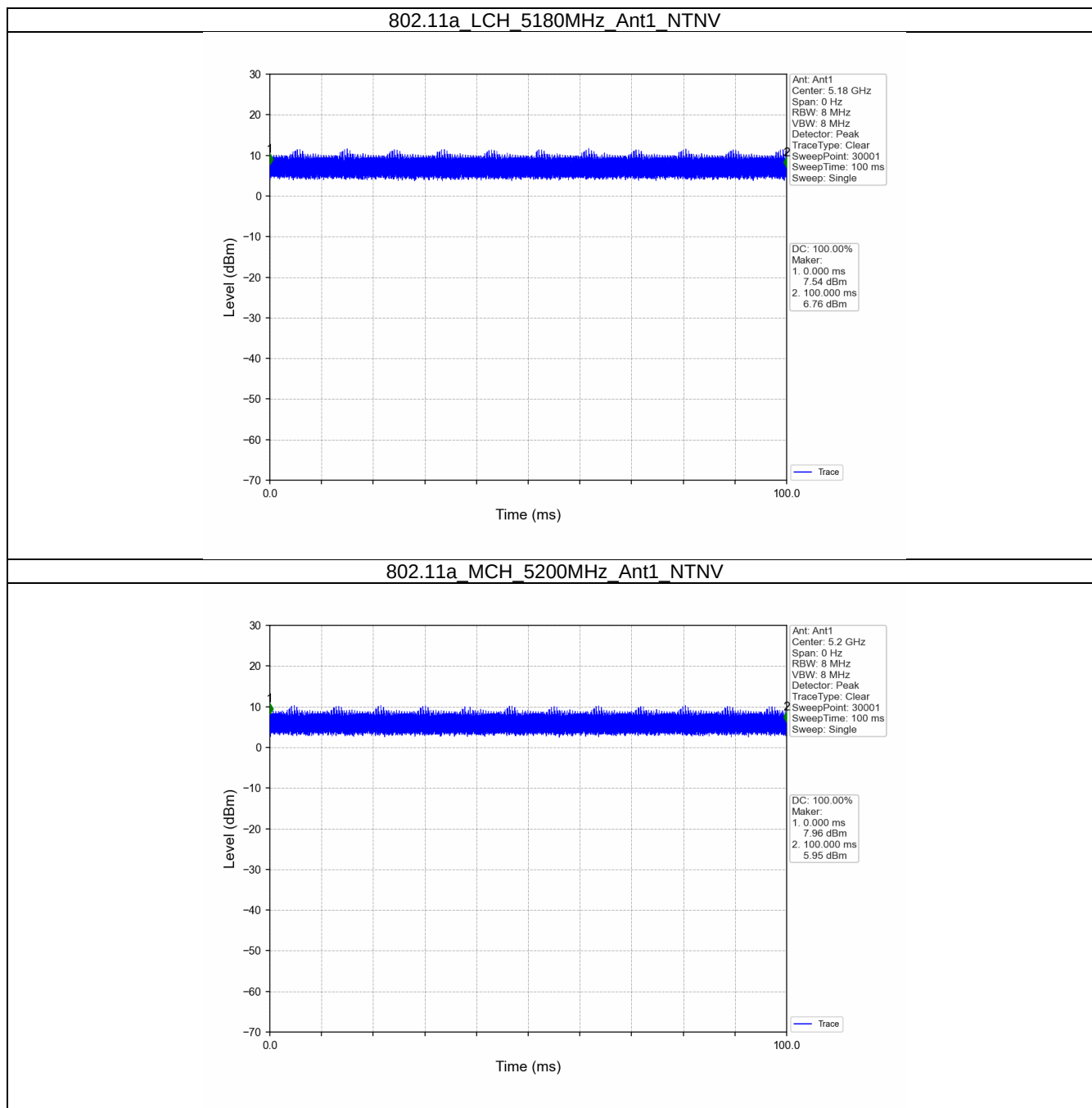
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1.1.2 Test Graph



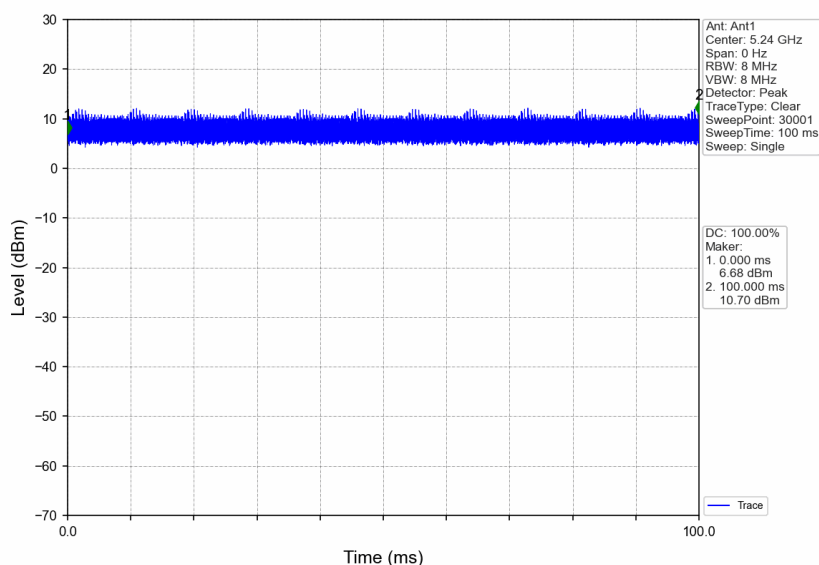
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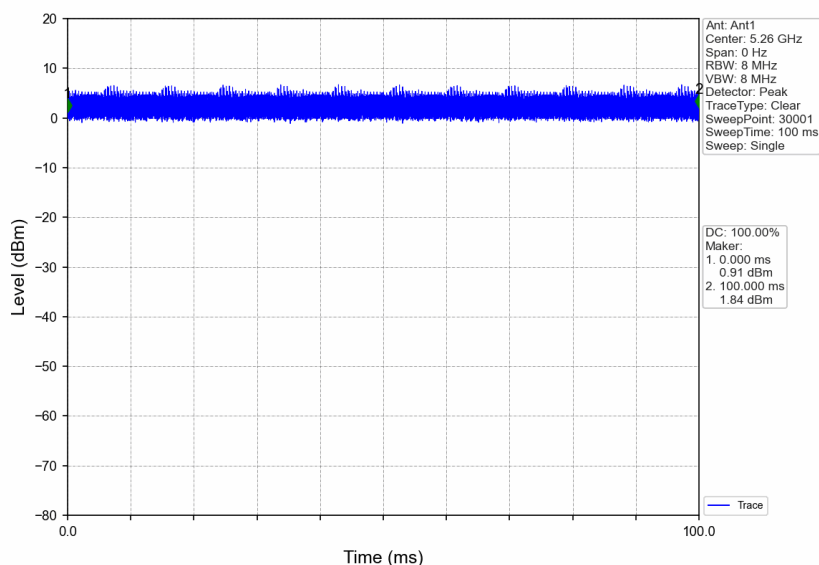
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802.11a_HCH_5240MHz_Ant1_NTNV



802.11a_LCH_5260MHz_Ant1_NTNV



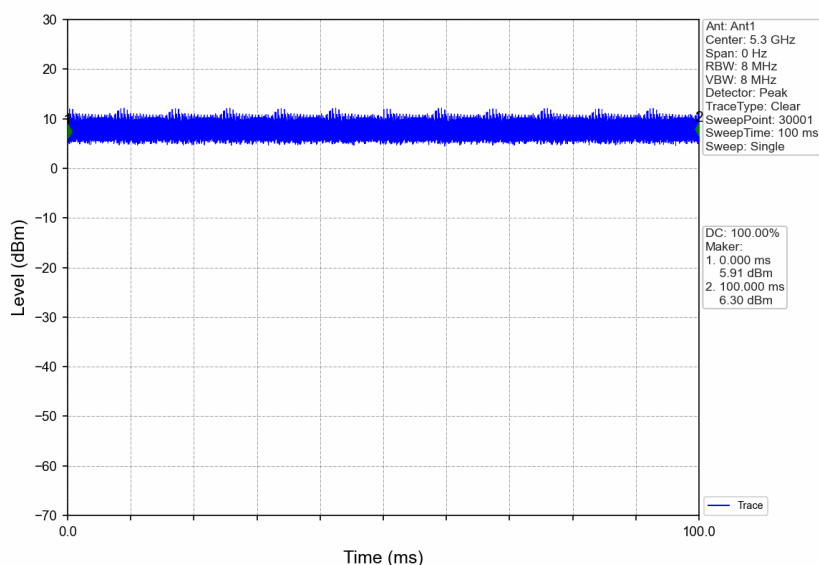
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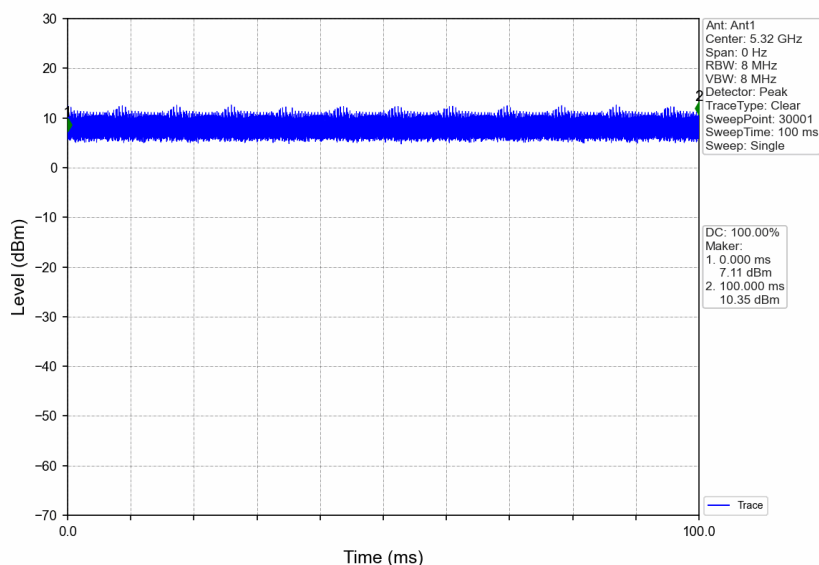
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802.11a_MCH_5300MHz_Ant1_NTNV



802.11a_HCH_5320MHz_Ant1_NTNV



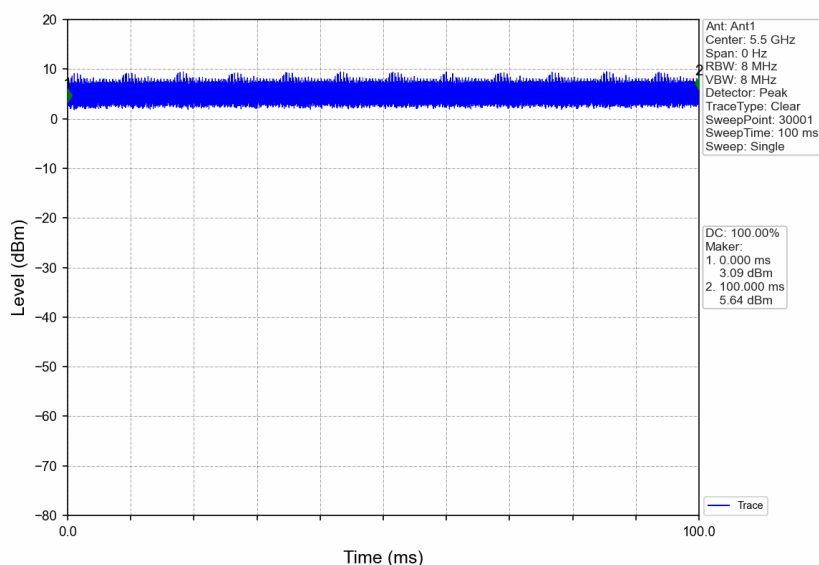
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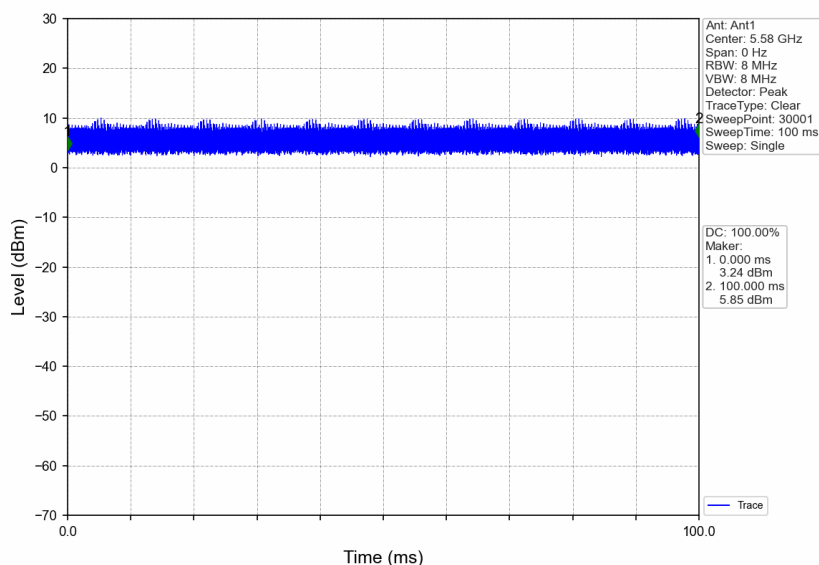
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802.11a_LCH_5500MHz_Ant1_NTNV



802.11a_MCH_5580MHz_Ant1_NTNV



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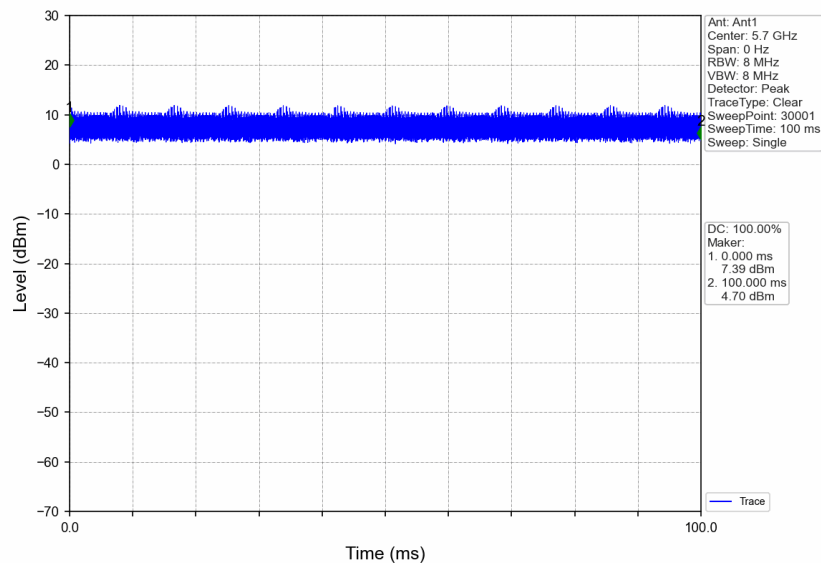
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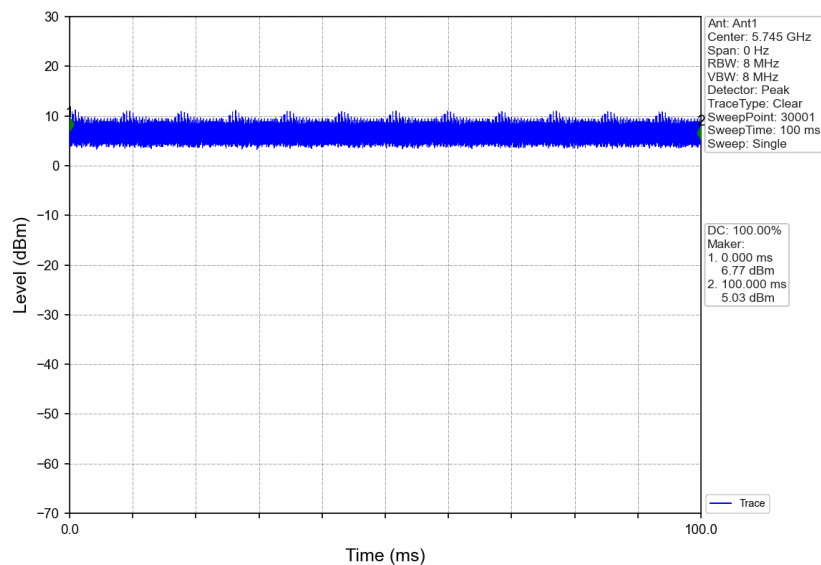
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802.11a_HCH_5700MHz_Ant1_NTNV



802.11a_LCH_5745MHz_Ant1_NTNV



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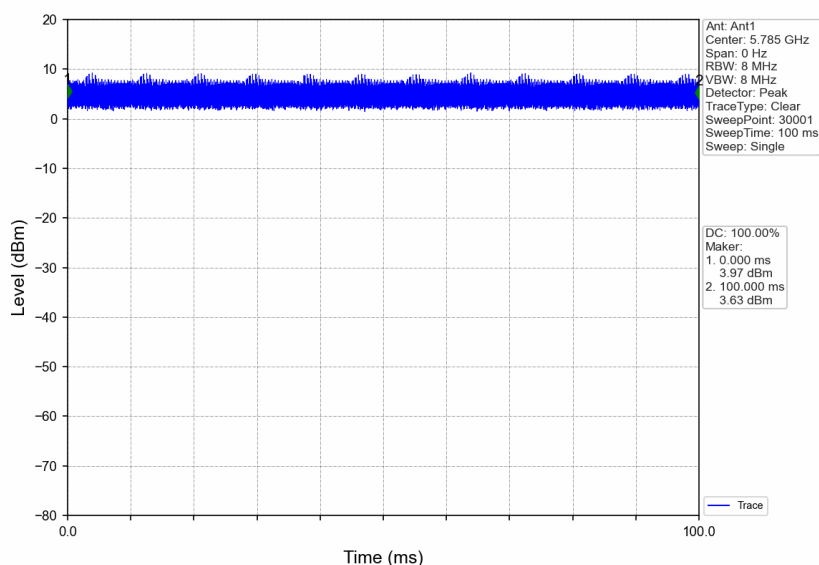
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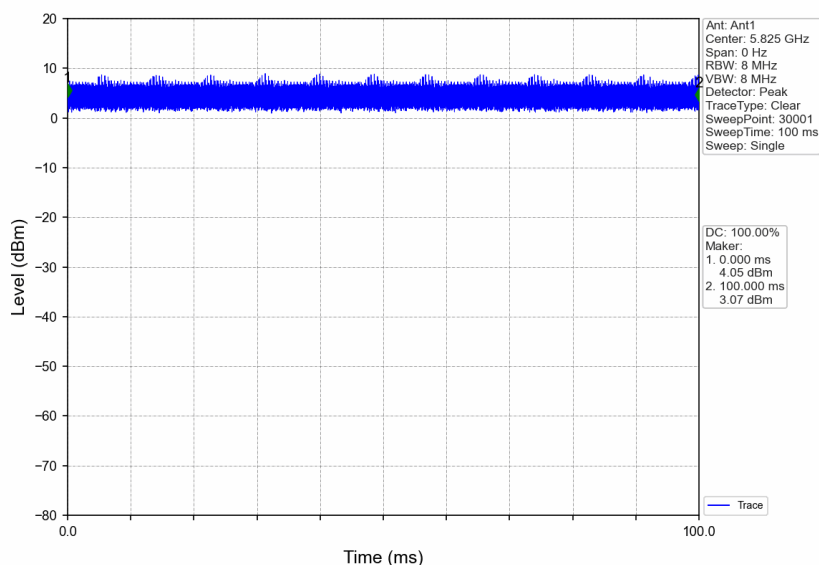
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802.11a_HCH_5825MHz_Ant1_NTNV



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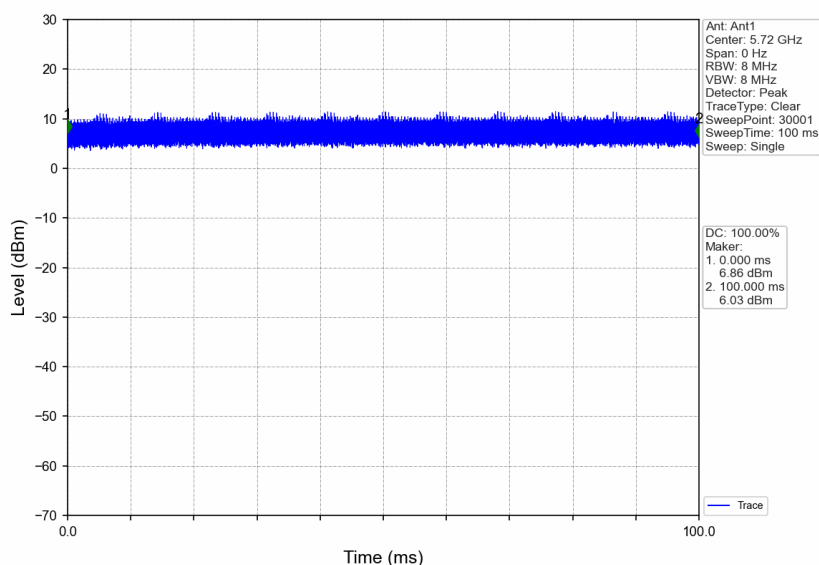
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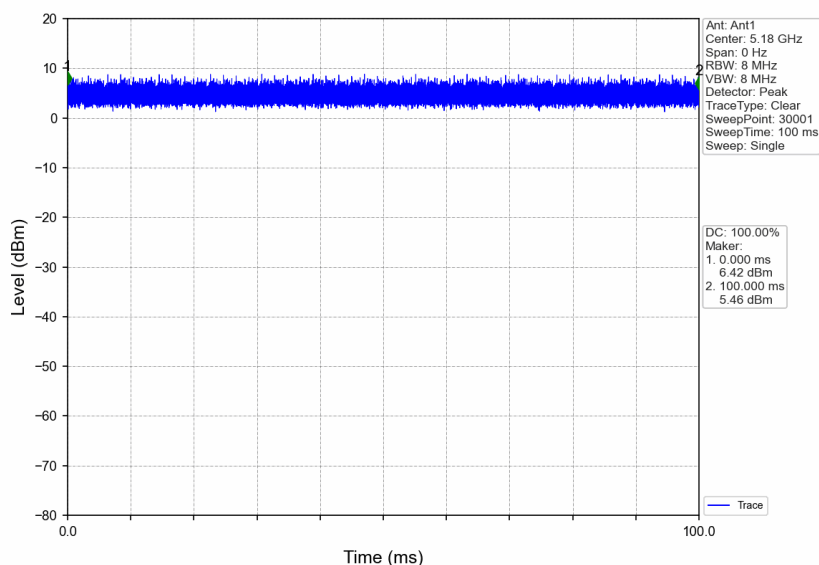
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802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



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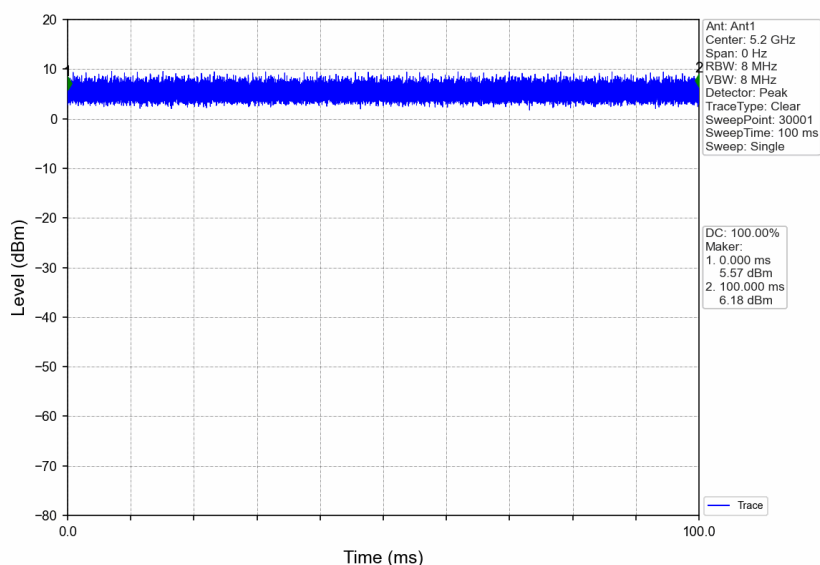
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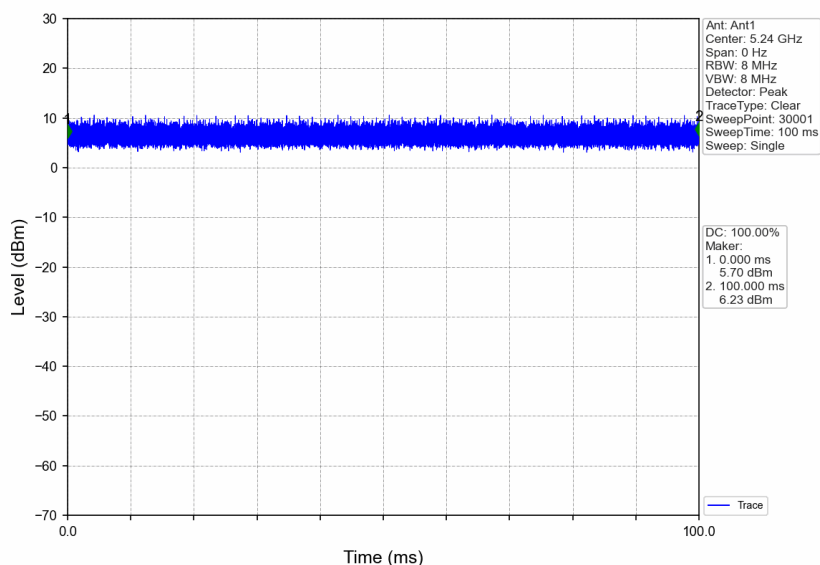
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802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



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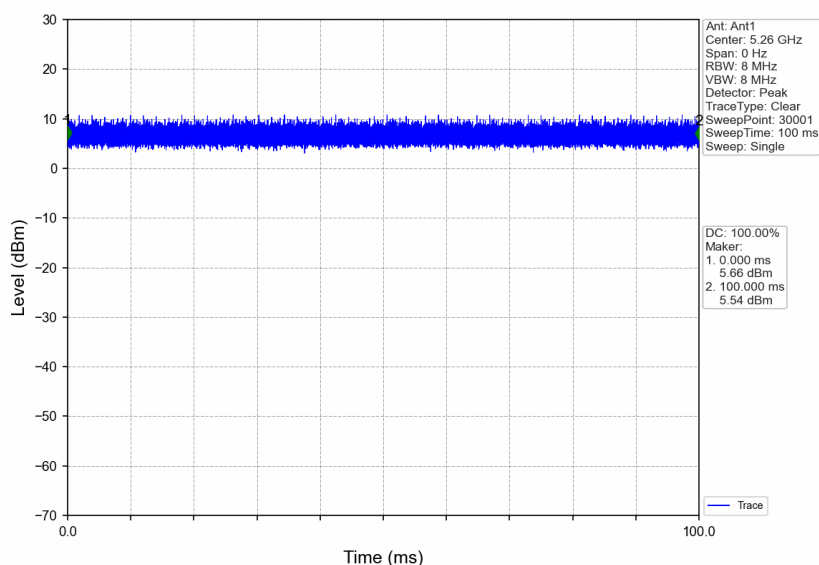
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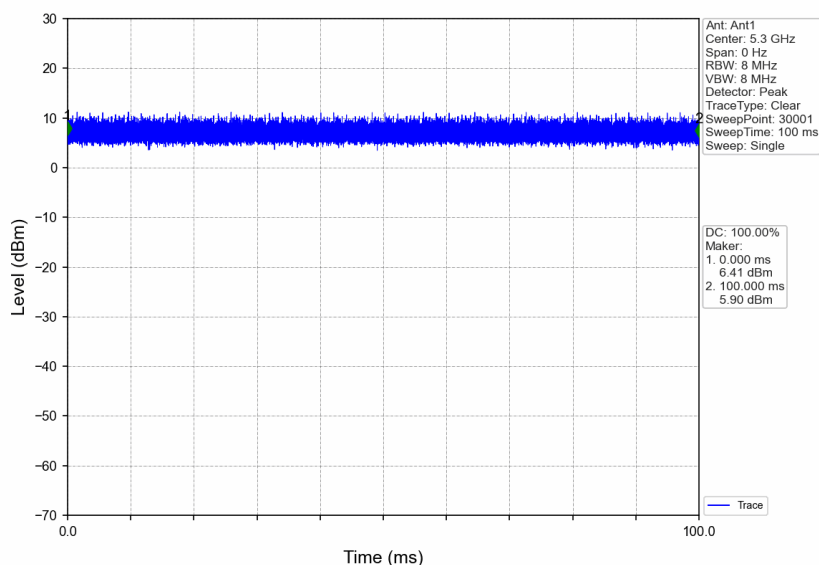
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802.11n(HT20)_LCH_5260MHz_Ant1_NTNV



802.11n(HT20)_MCH_5300MHz_Ant1_NTNV



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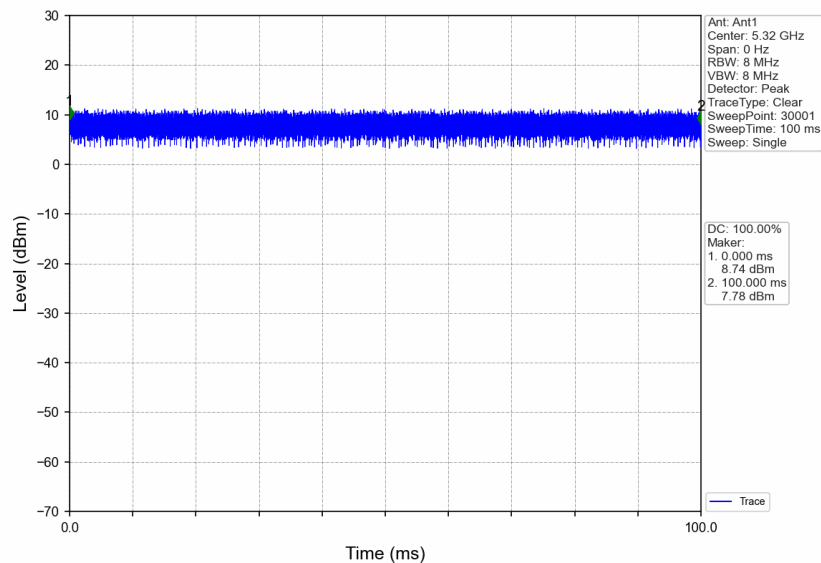
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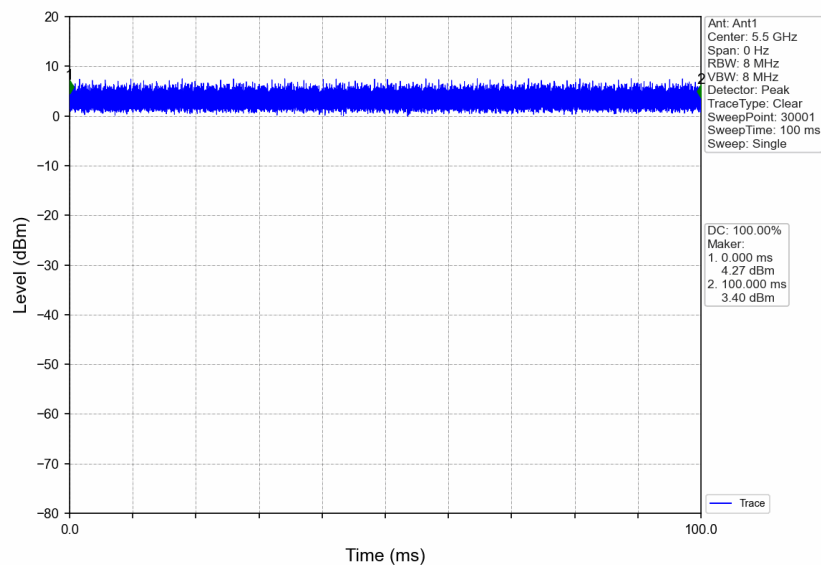
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802.11n(HT20) HCH 5320MHz Ant1 NTV



802.11n(HT20) LCH 5500MHz Ant1 NTV



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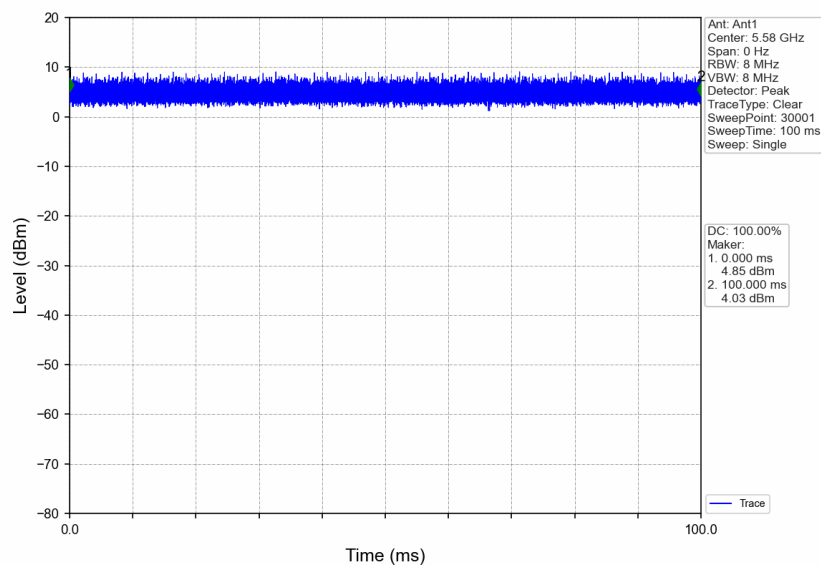
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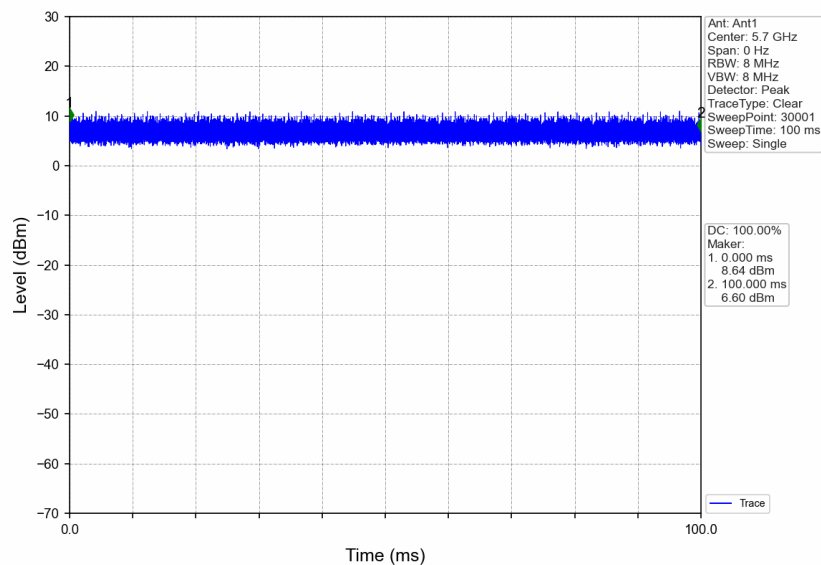
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802.11n(HT20)_MCH_5580MHz_Ant1_NTNV



802.11n(HT20)_HCH_5700MHz_Ant1_NTNV



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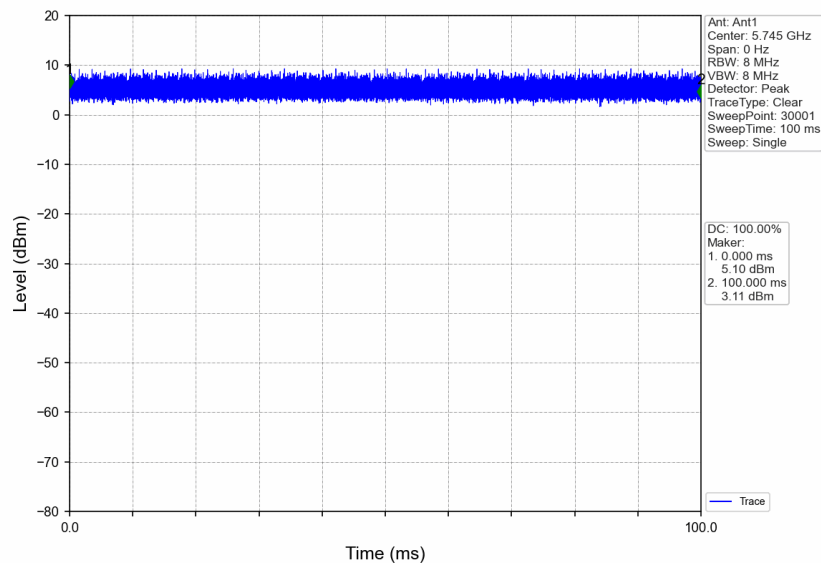
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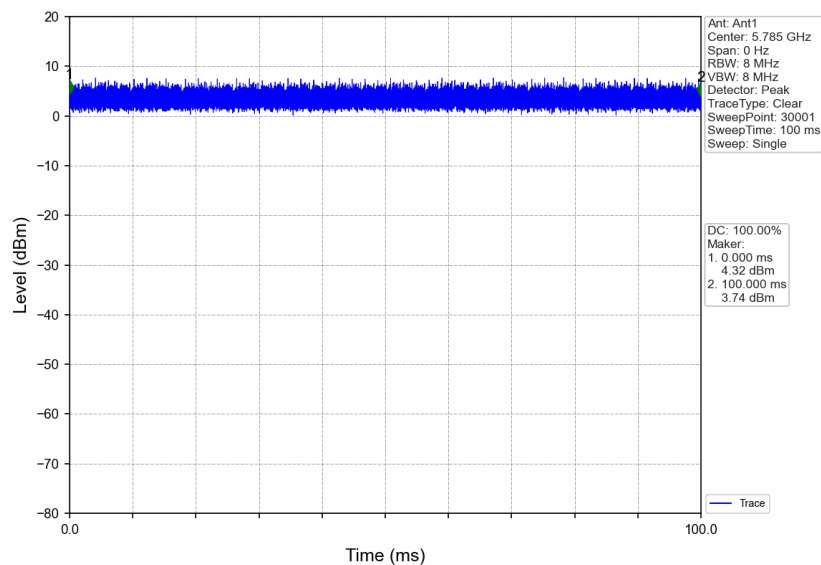
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802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



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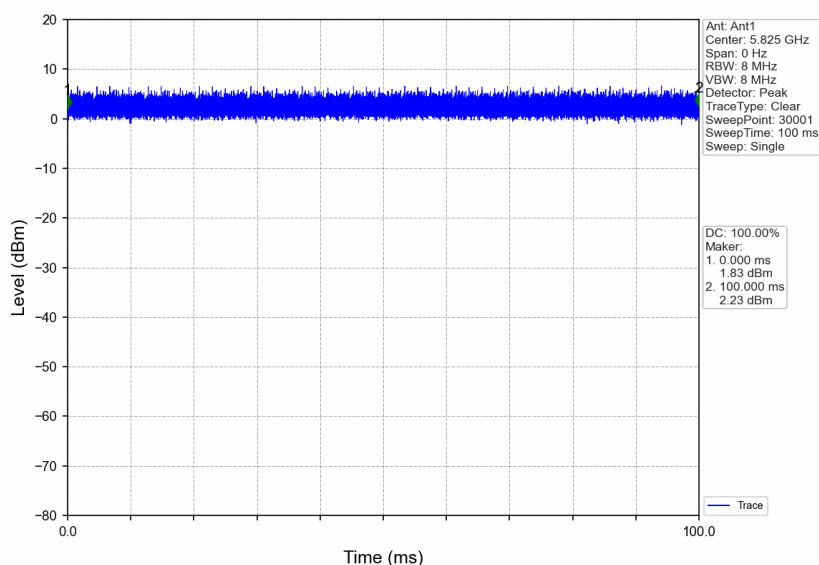
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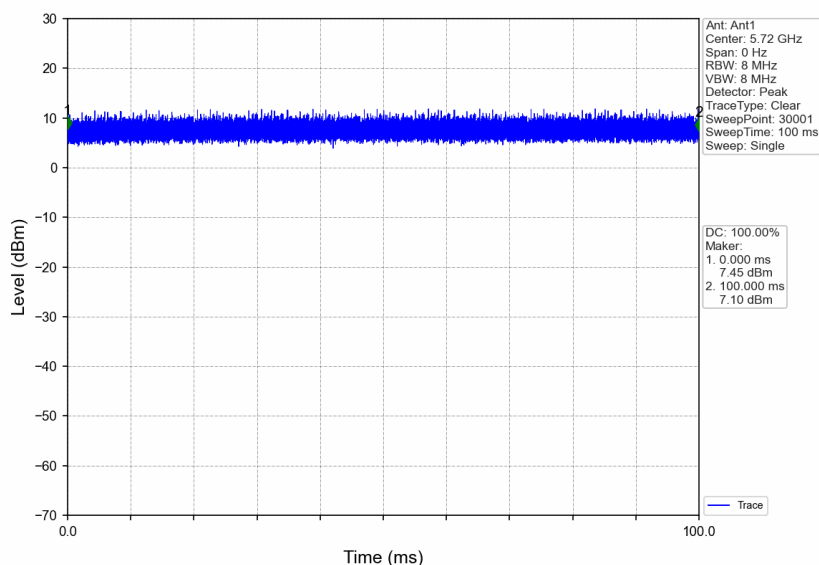
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802.11n(HT20) HCH 5825MHz Ant1 NTV



802.11n(HT20) HCH 5720MHz Ant1 NTV



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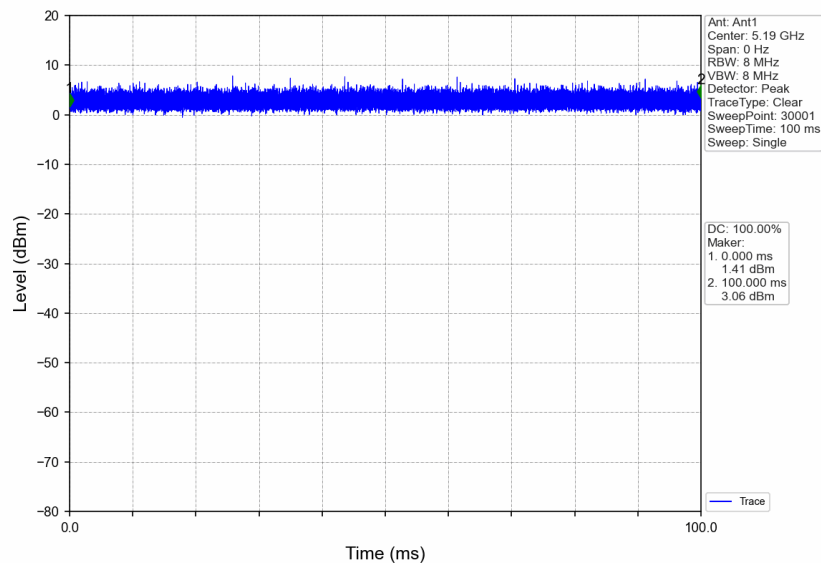
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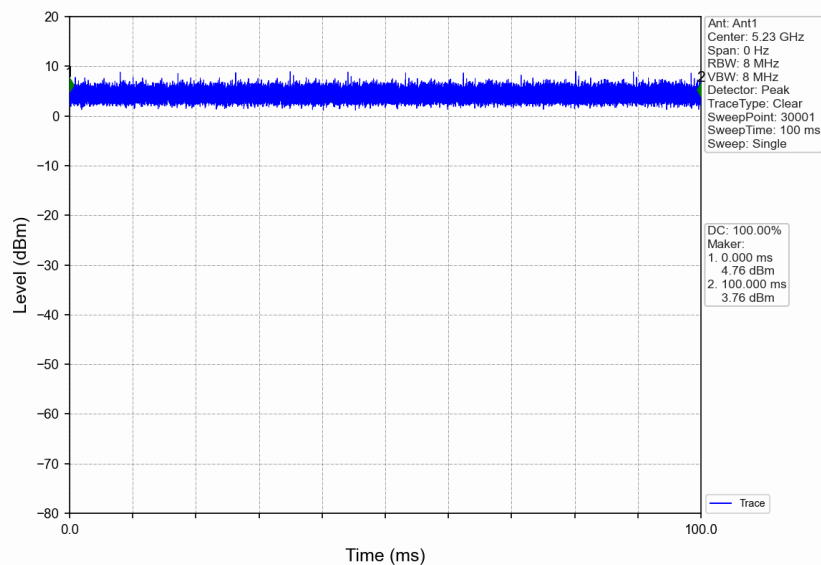
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802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



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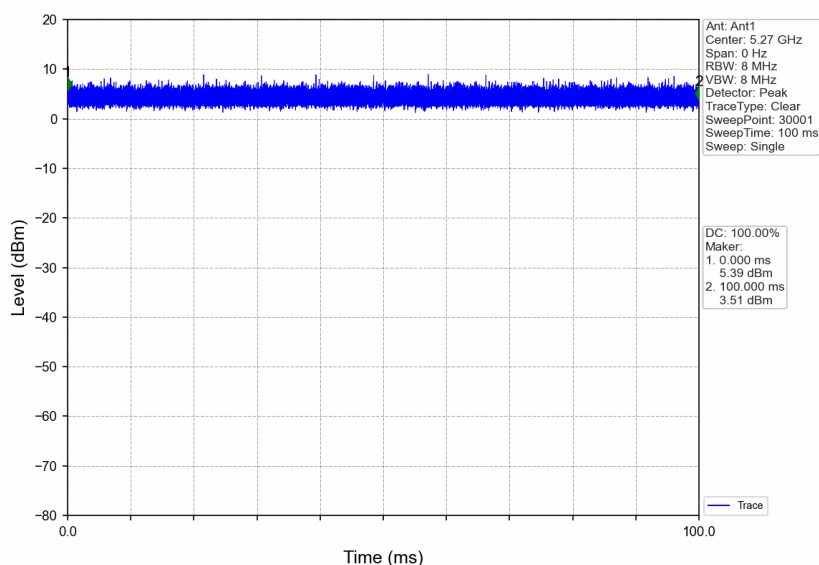
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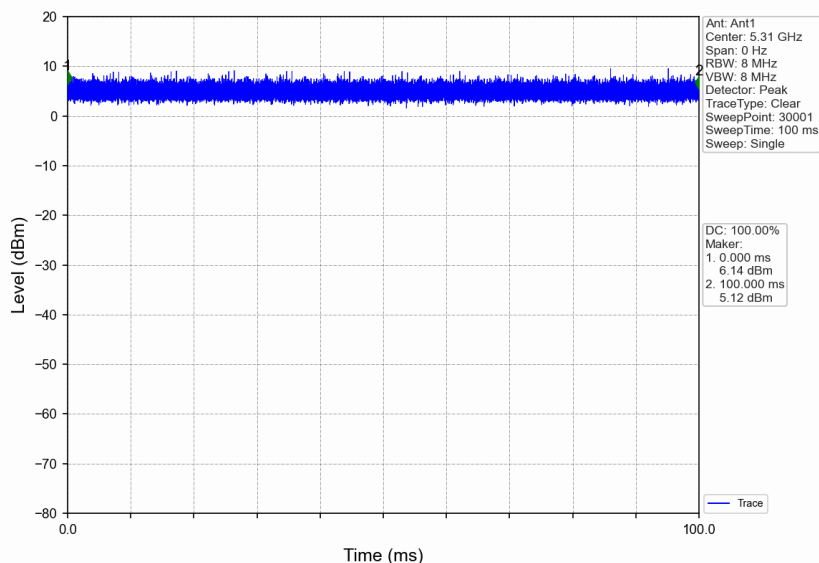
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802.11n(HT40)_LCH_5270MHz_Ant1_NTNV



802.11n(HT40)_HCH_5310MHz_Ant1_NTNV



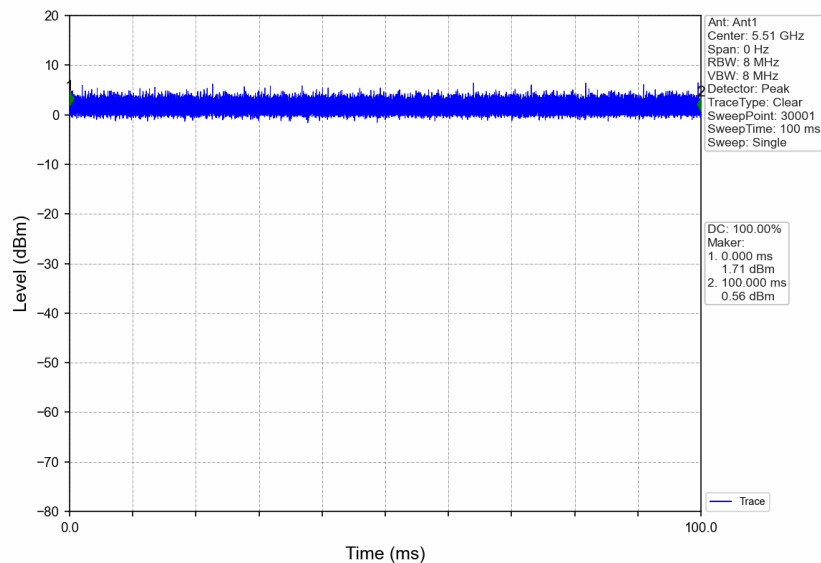
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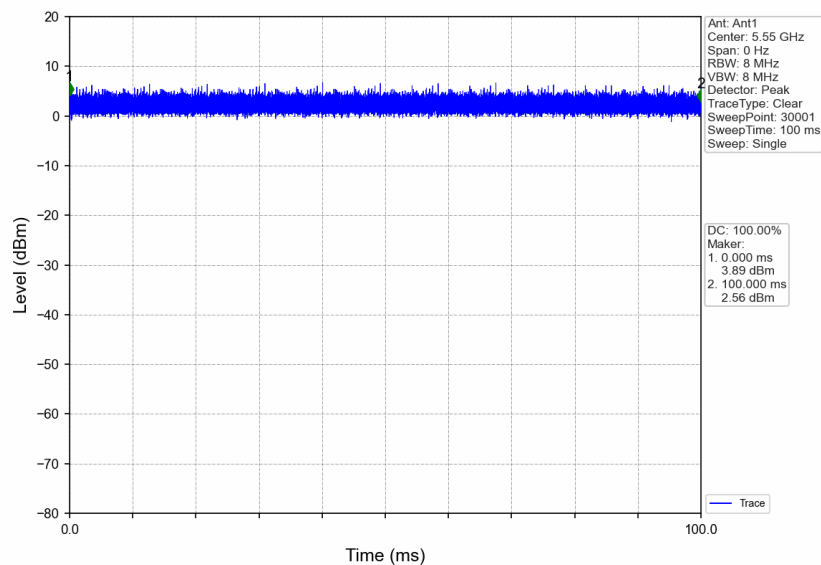
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802.11n(HT40)_MCH_5550MHz_Ant1_NTNV



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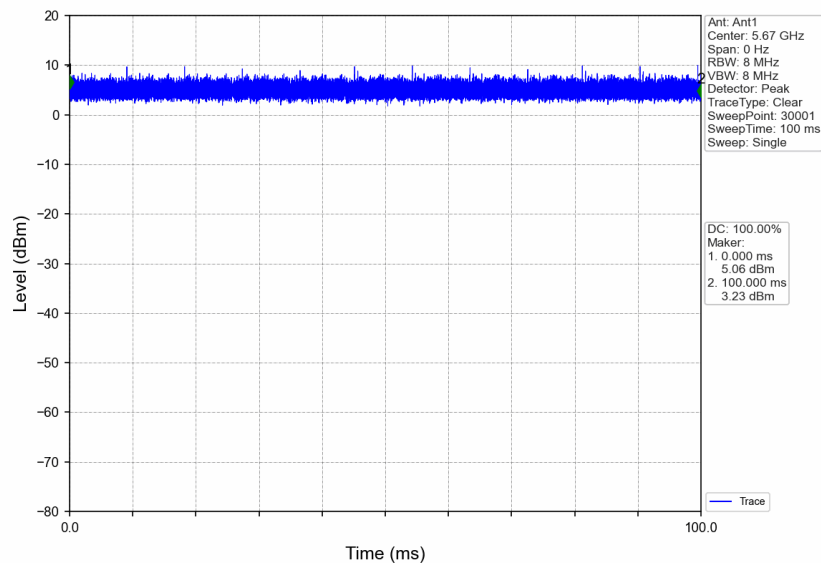
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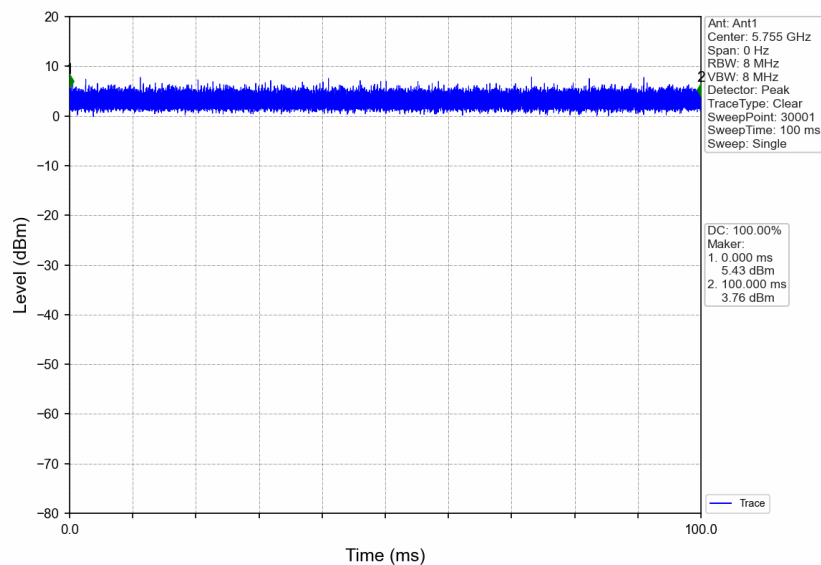
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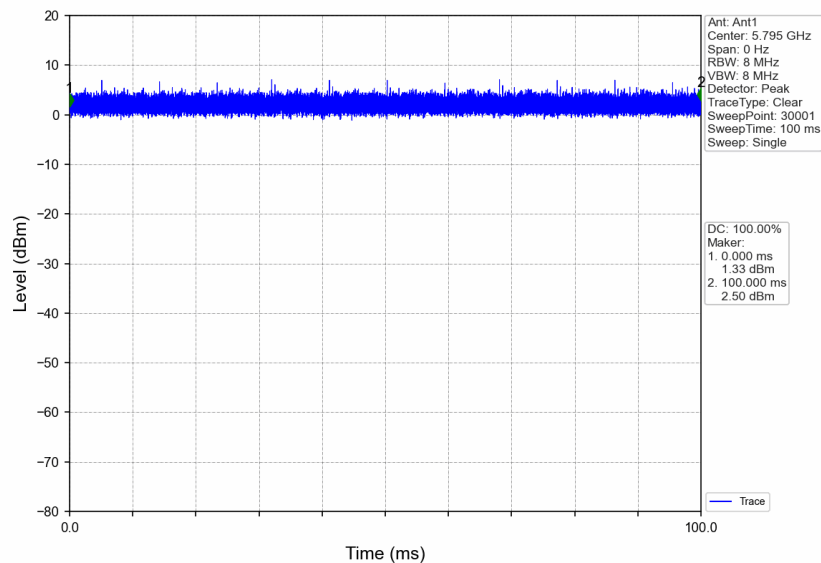
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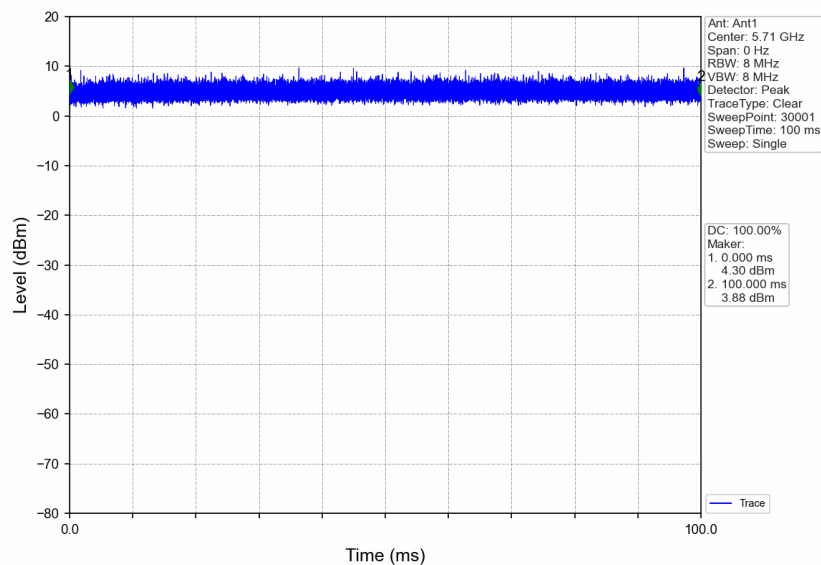
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802.11n(HT40) HCH 5795MHz Ant1_NTNV



802.11n(HT40) HCH 5710MHz Ant1_NTNV



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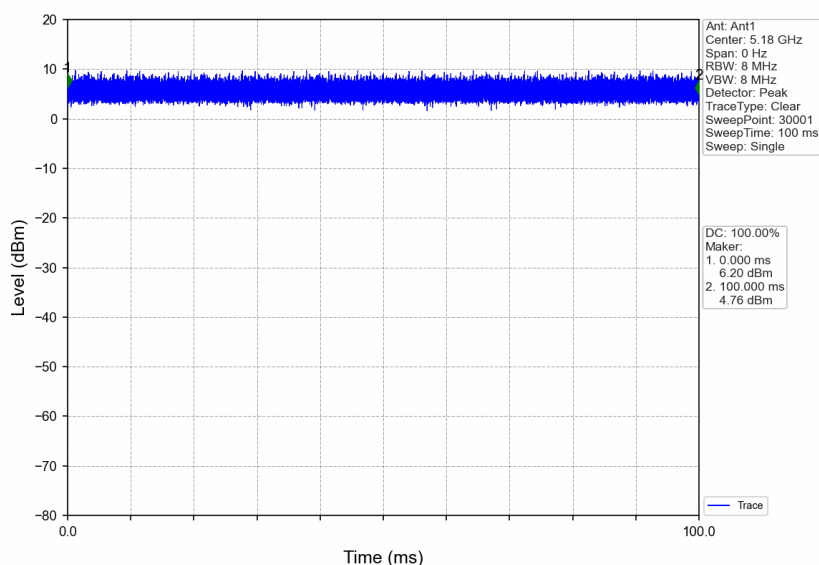
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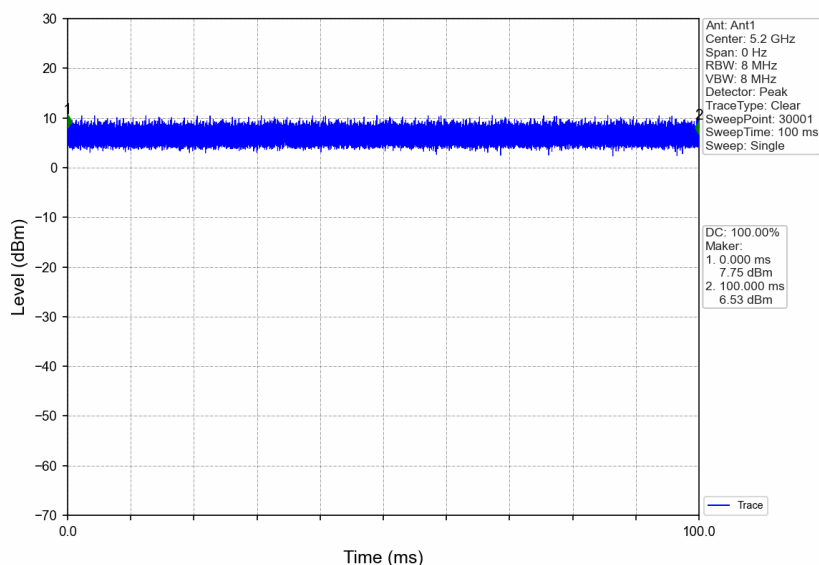
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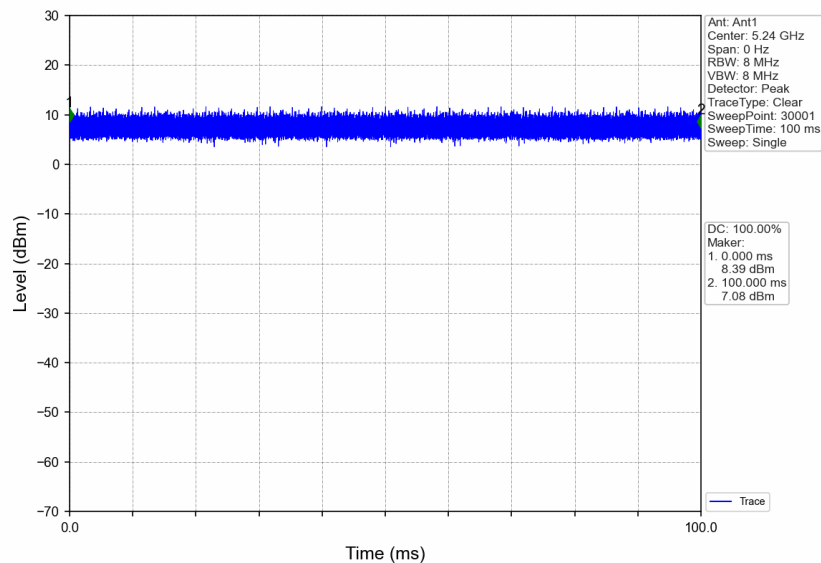
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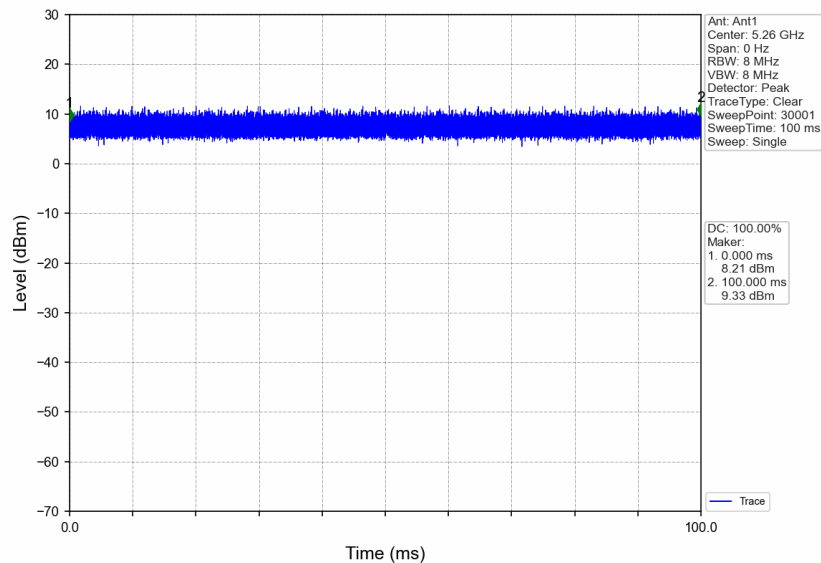
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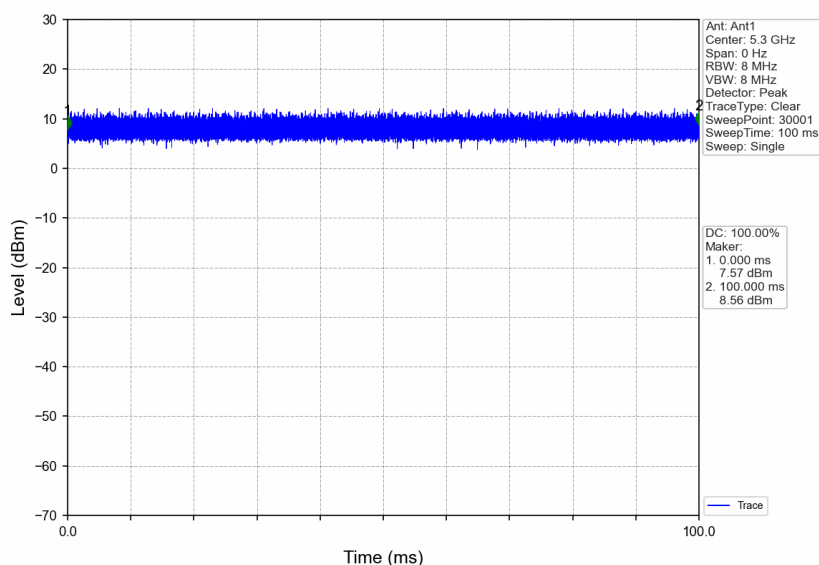
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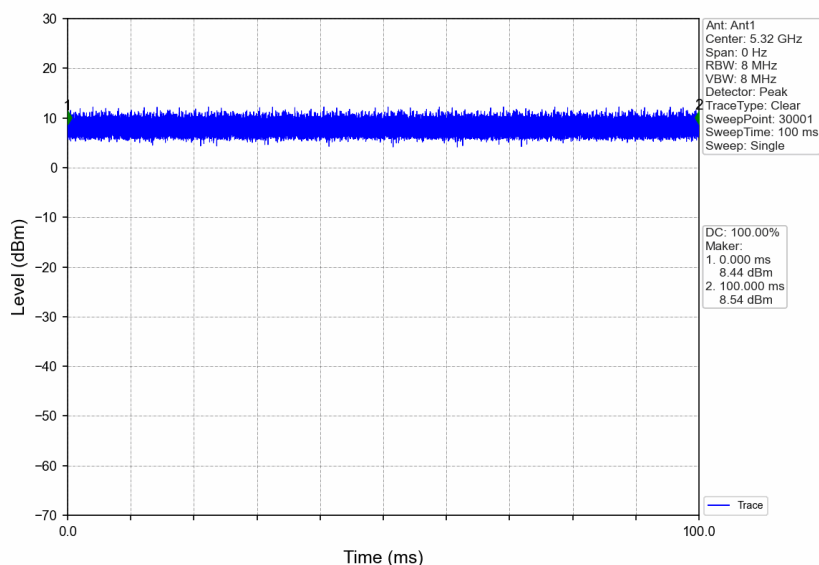
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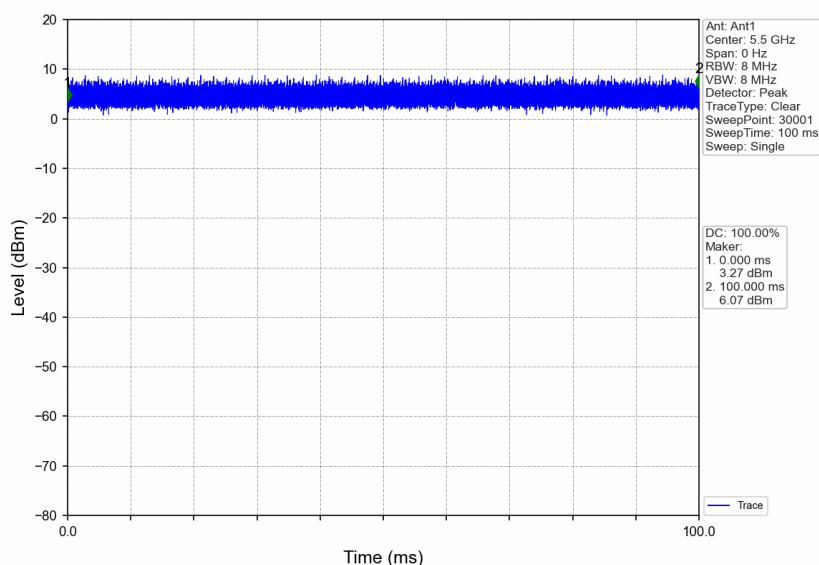
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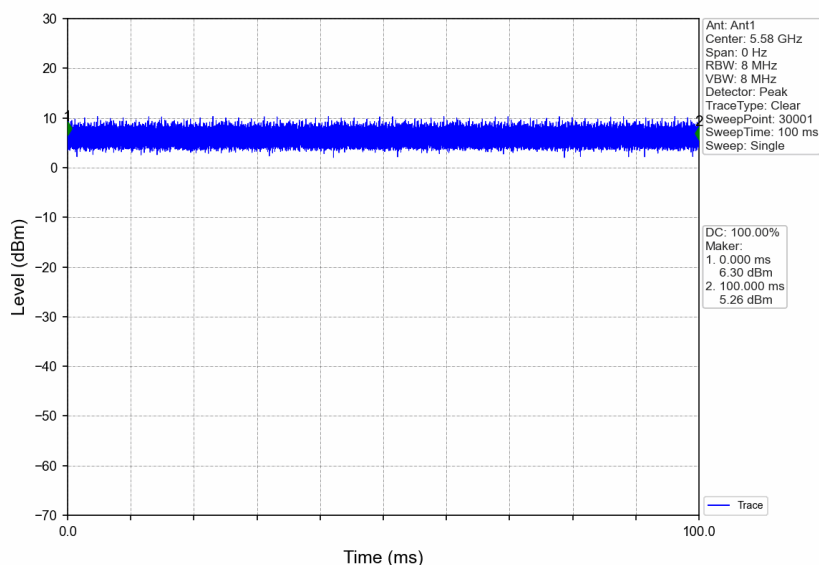
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802.11ac(VHT20)_LCH_5500MHz_Ant1_NTNV



802.11ac(VHT20)_MCH_5580MHz_Ant1_NTNV



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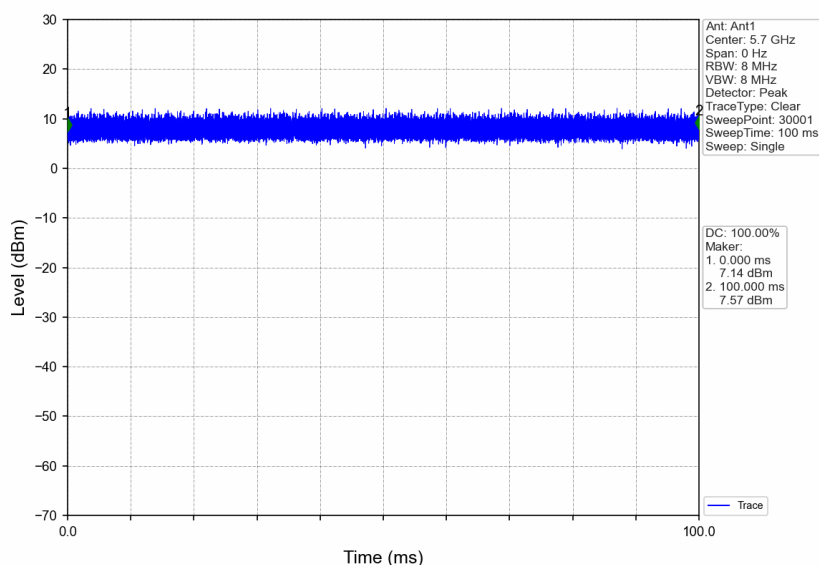
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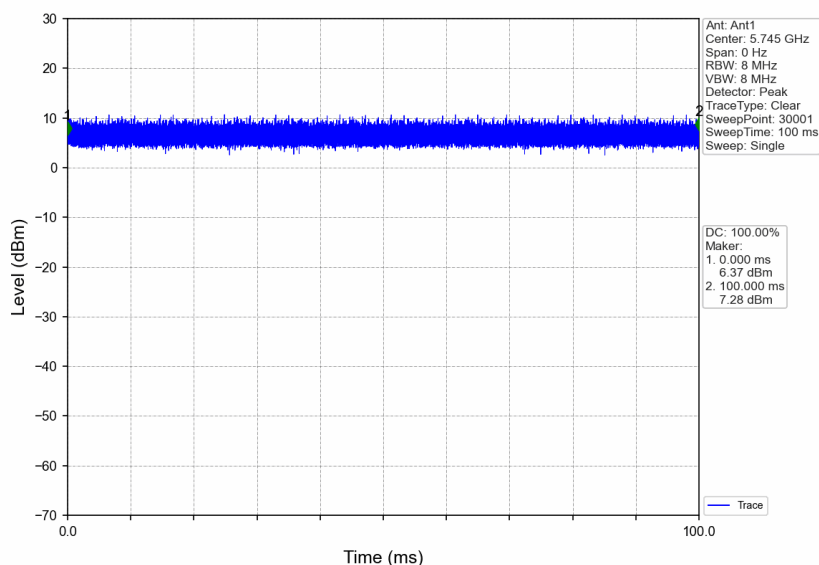
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802.11ac(VHT20)_HCH_5700MHz_Ant1_NTNV



802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



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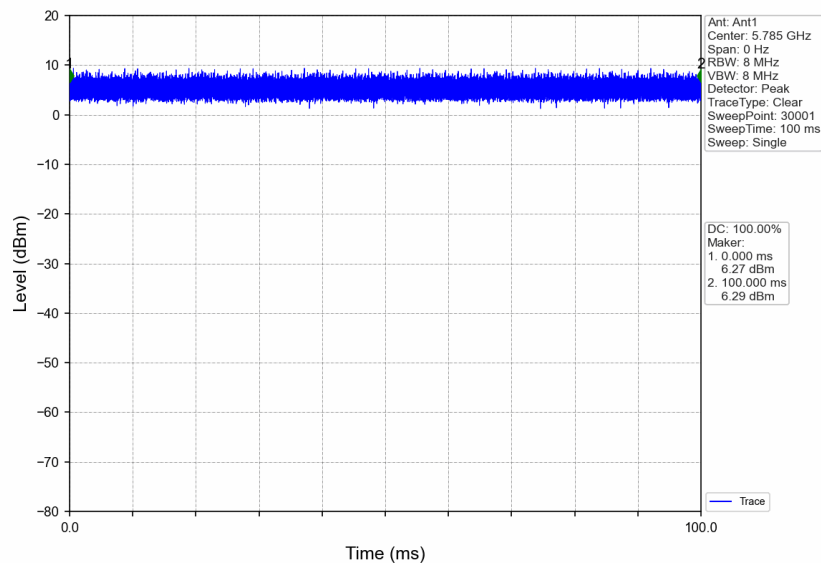
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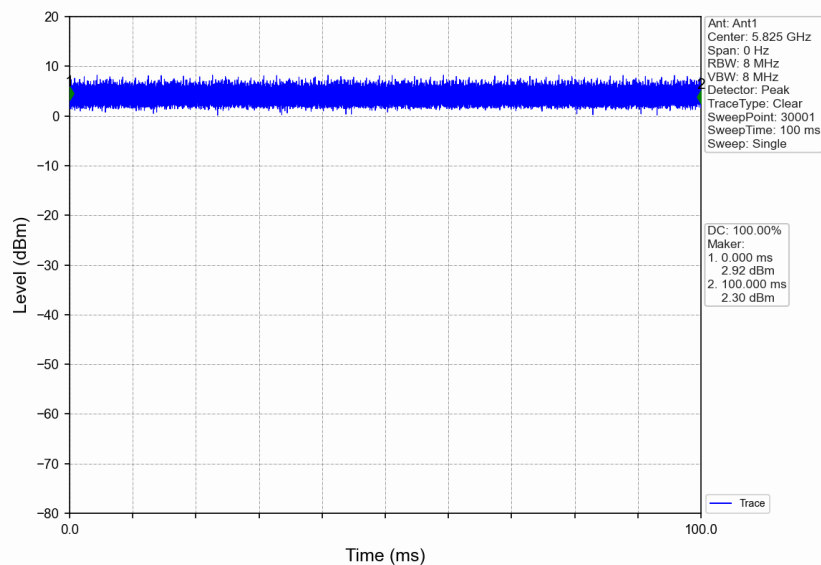
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802.11ac(VHT20) MCH 5785MHz Ant1 NTNV



802.11ac(VHT20) HCH 5825MHz Ant1 NTNV



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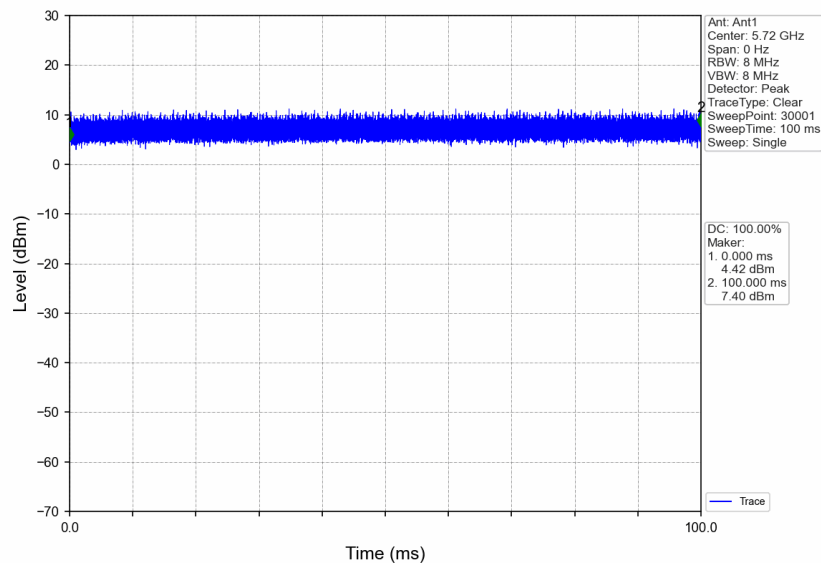
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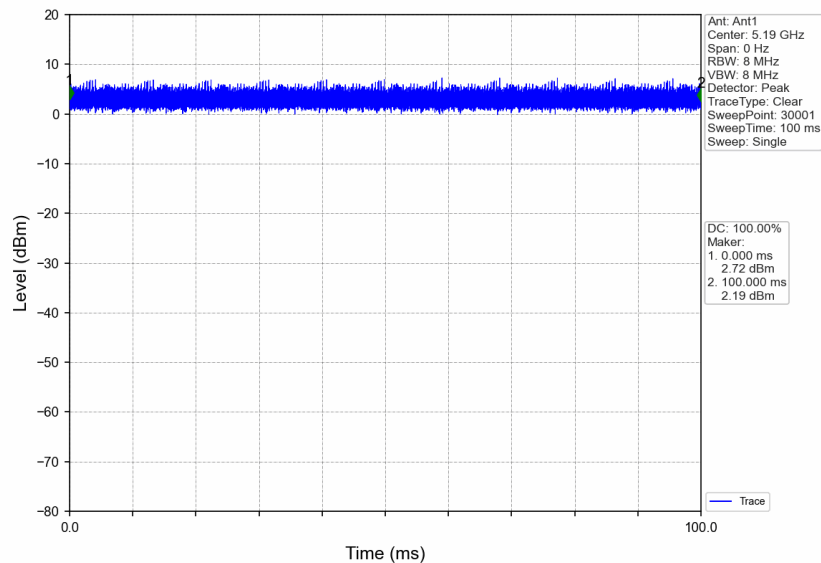
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802.11ac(VHT20)_HCH_5720MHz_Ant1_NTNV



802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



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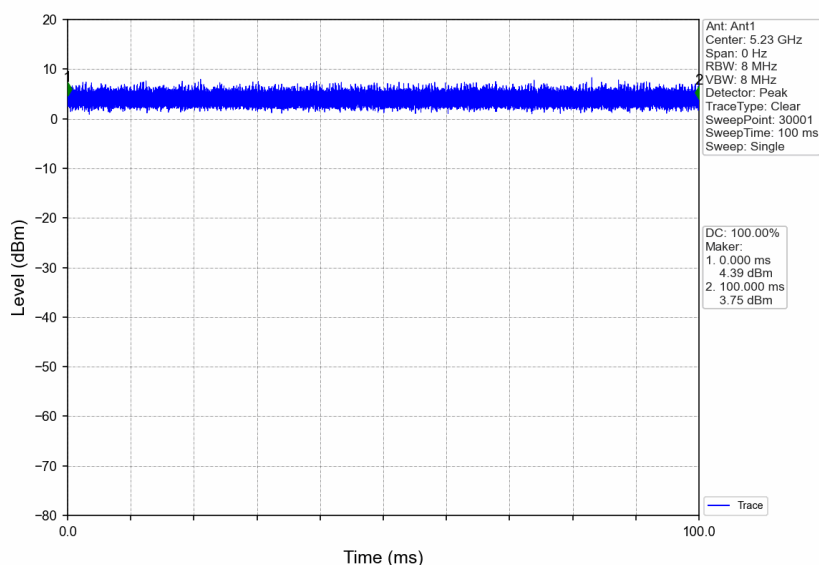
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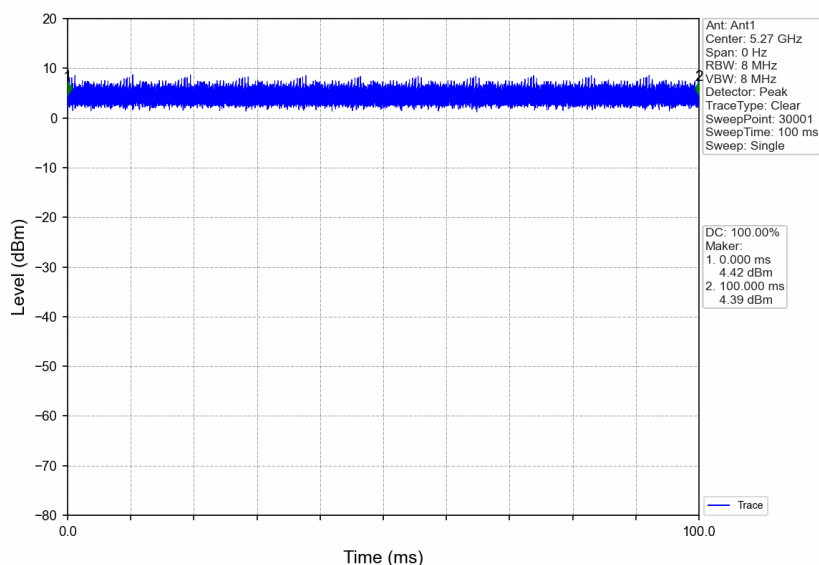
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802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



802.11ac(VHT40)_LCH_5270MHz_Ant1_NTNV



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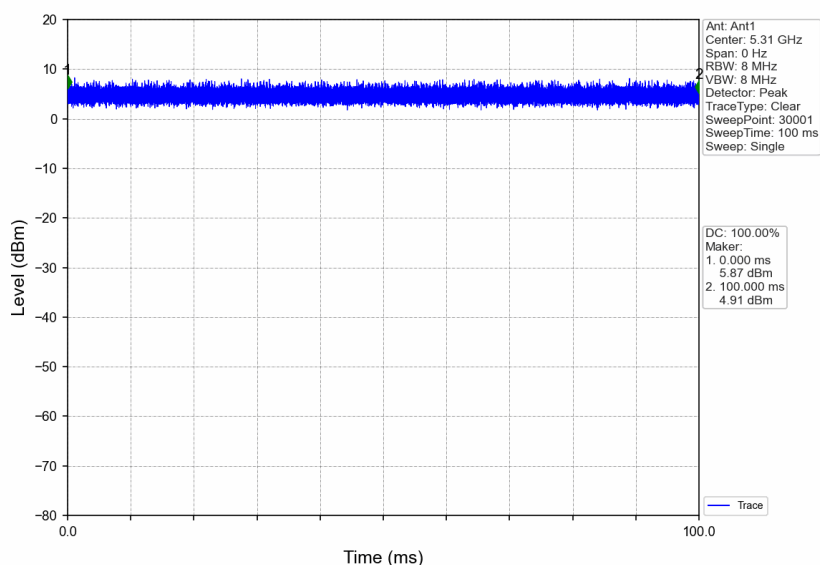
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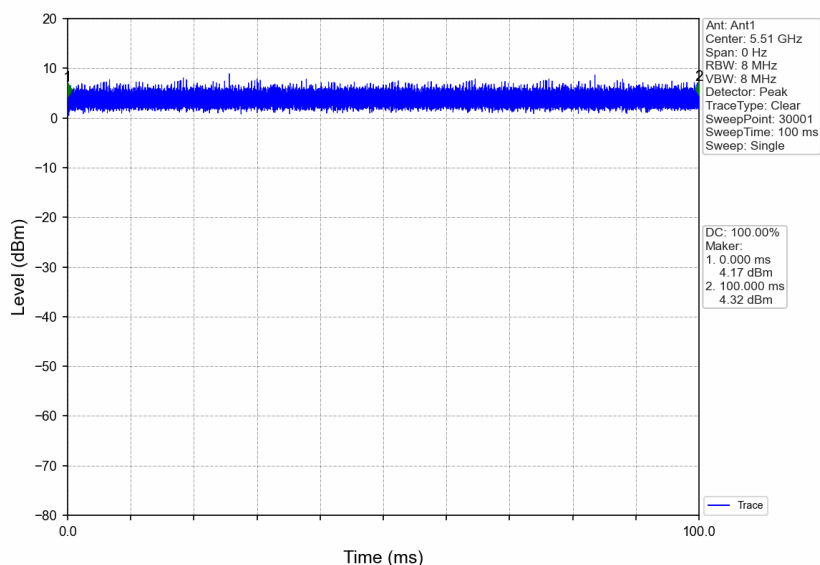
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802.11ac(VHT40)_HCH_5310MHz_Ant1_NTNV



802.11ac(VHT40)_LCH_5510MHz_Ant1_NTNV



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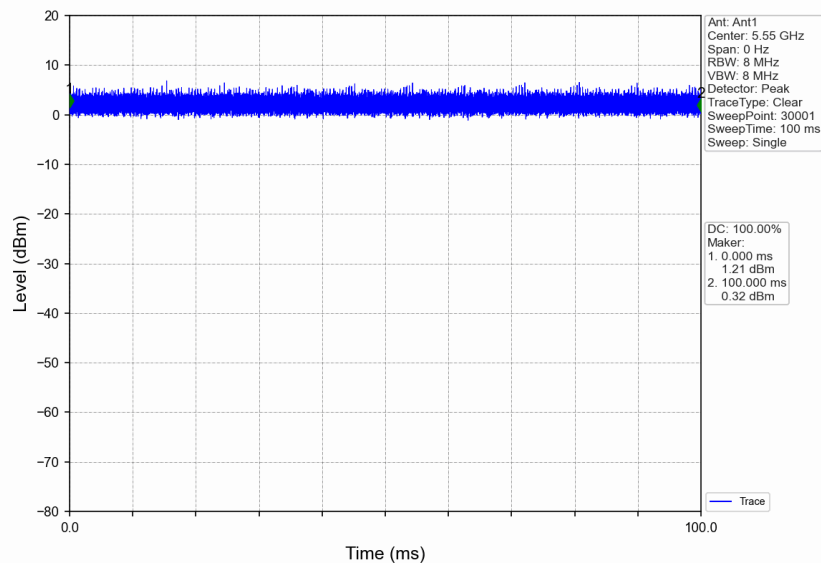
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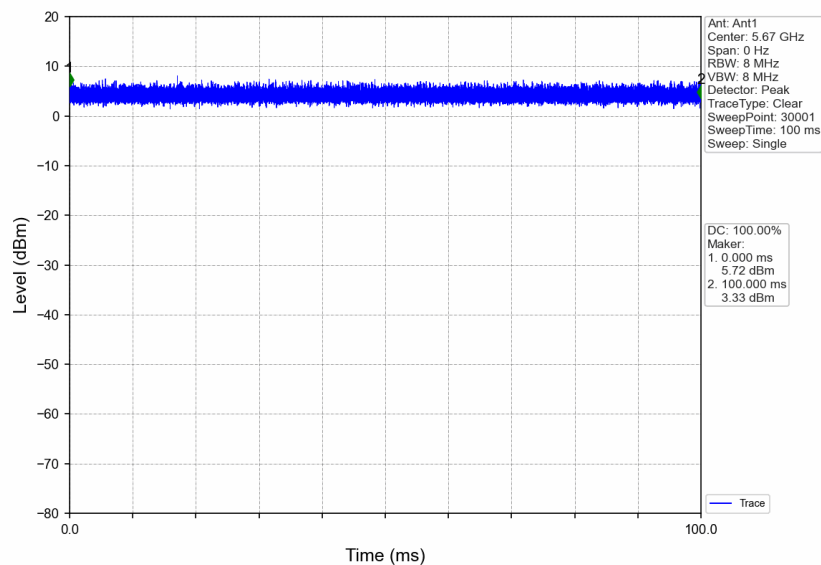
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802.11ac(VHT40) MCH 5550MHz Ant1_NTNV



802.11ac(VHT40) HCH 5670MHz Ant1_NTNV



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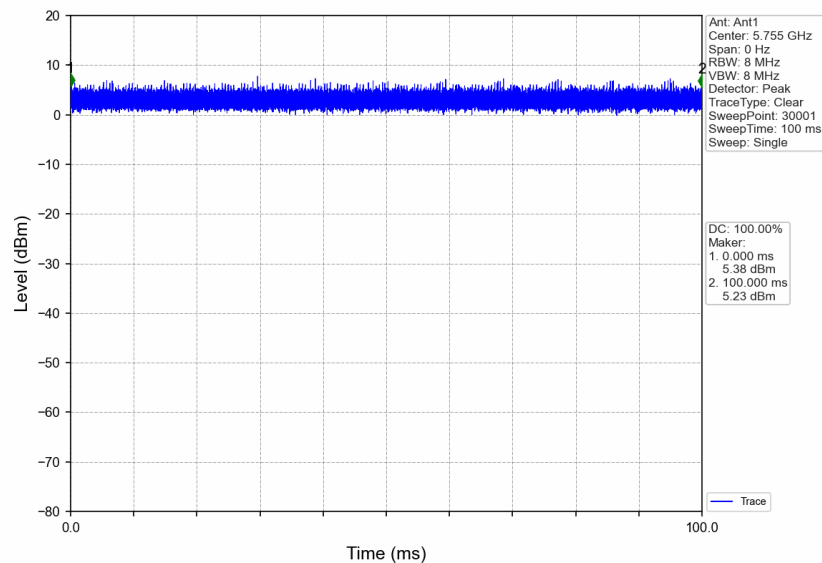
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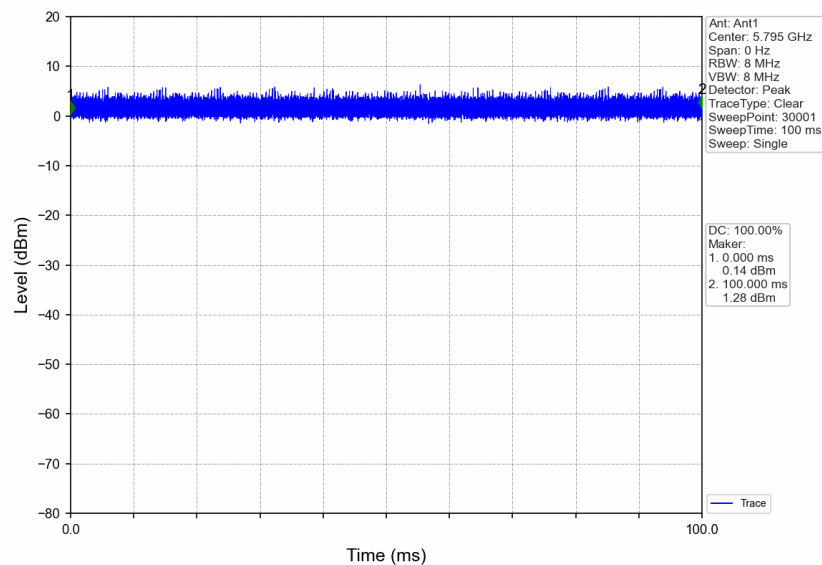
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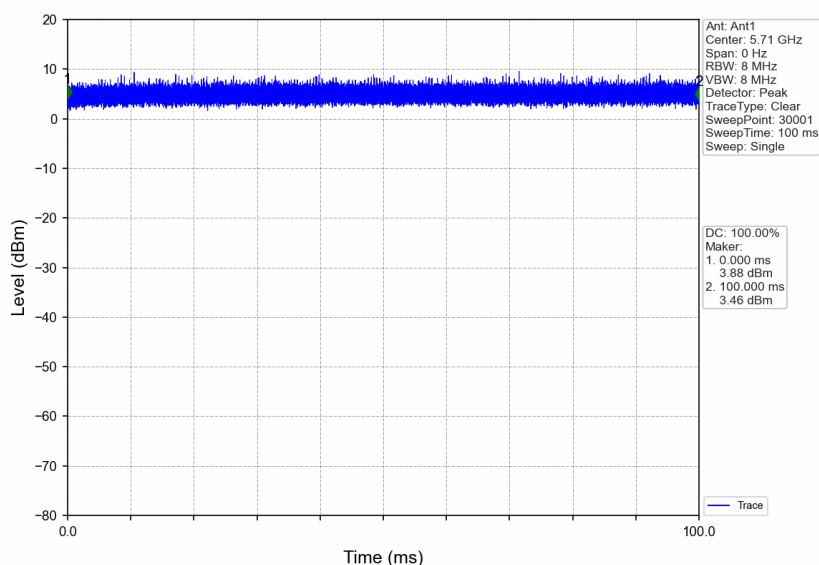
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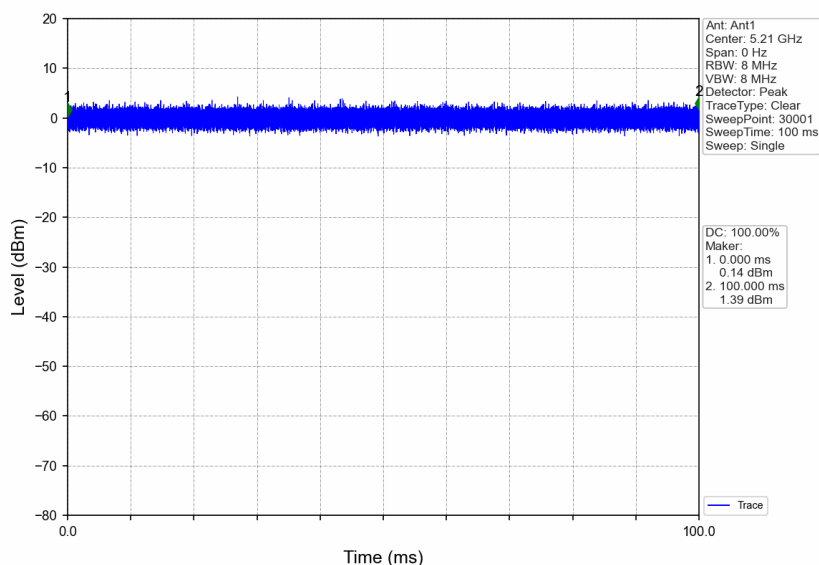
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802.11ac(VHT40)_HCH_5710MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



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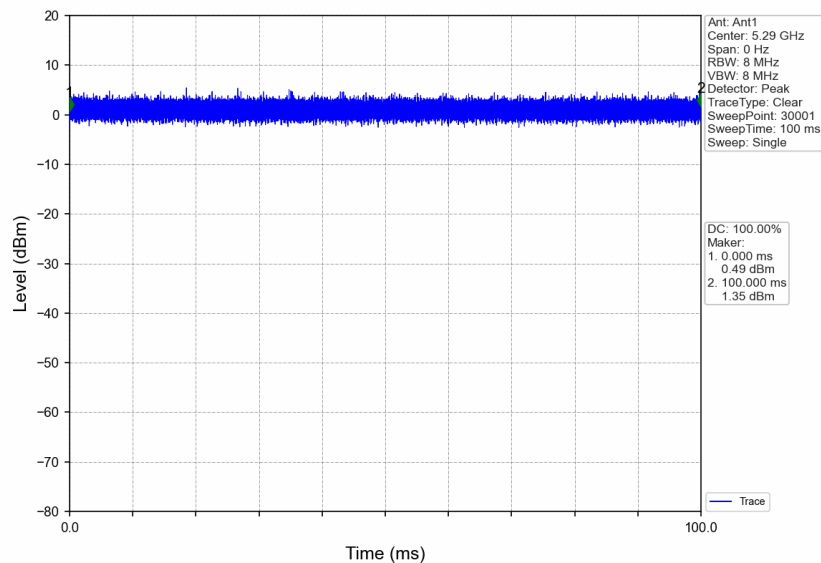
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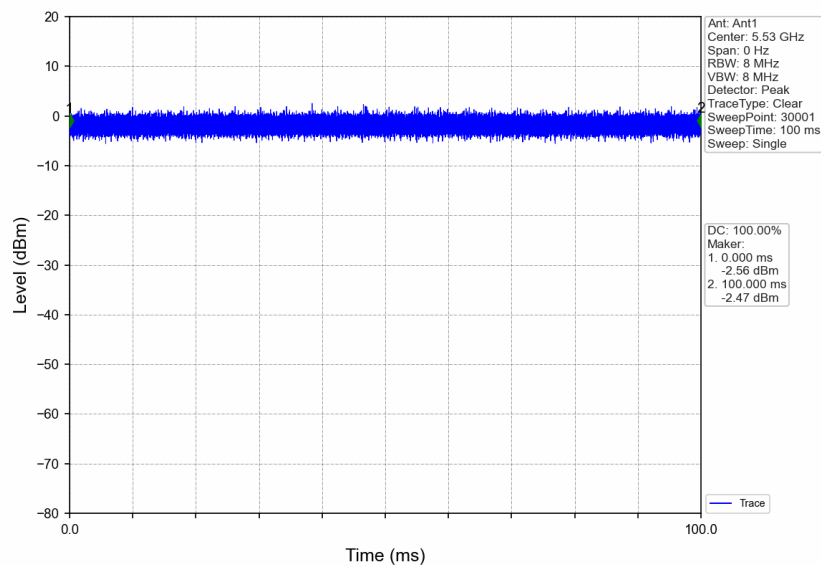
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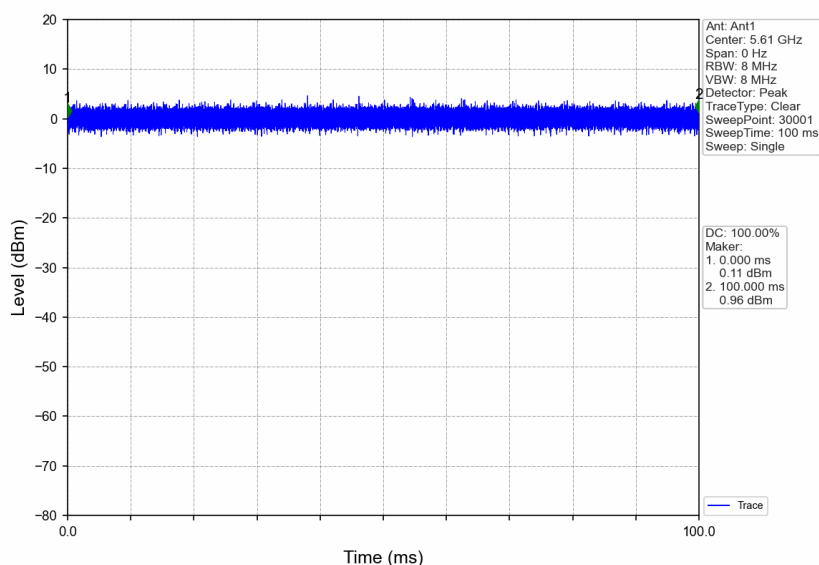
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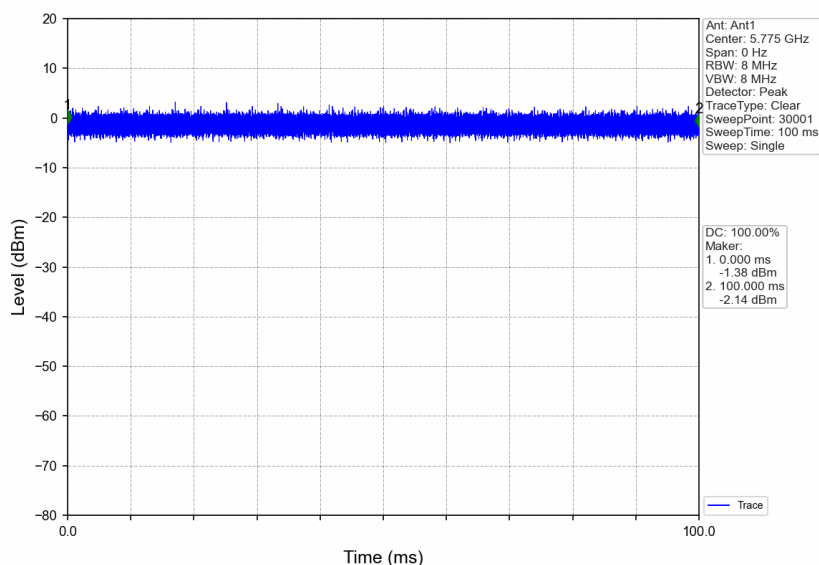
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802.11ac(VHT80)_HCH_5610MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



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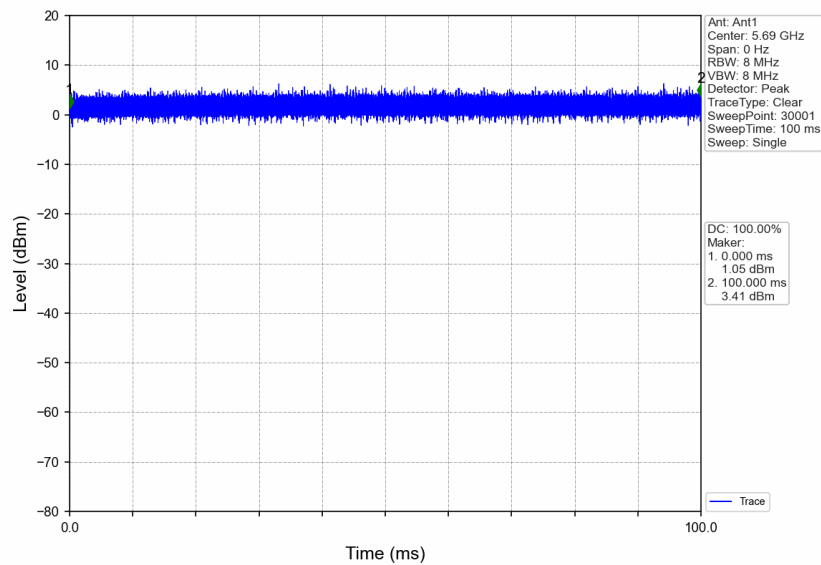
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802.11ac(VHT80)_HCH_5690MHz_Ant1_NTNV



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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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Compliance Certification Services (Kunshan) Inc.
EMC Laboratory

		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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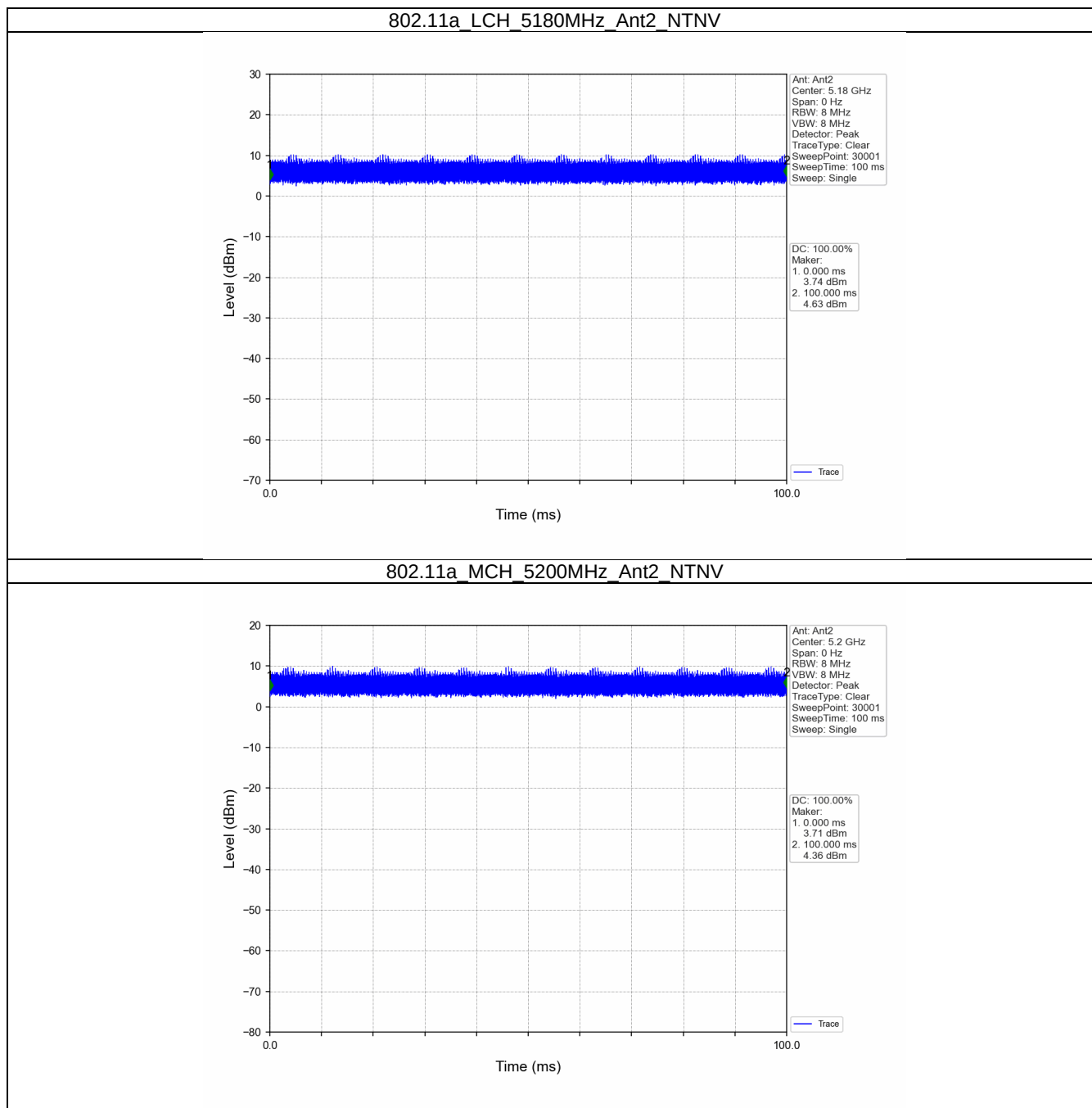
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1.2.2 Test Graph



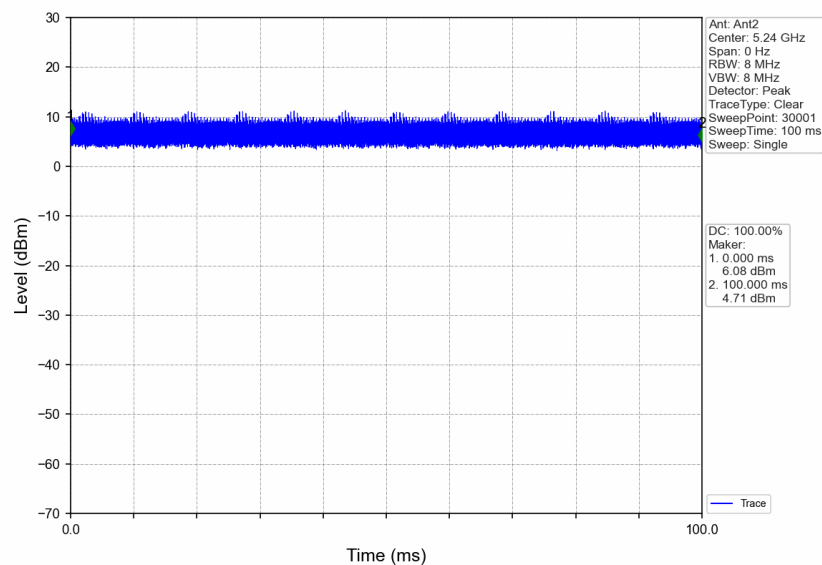
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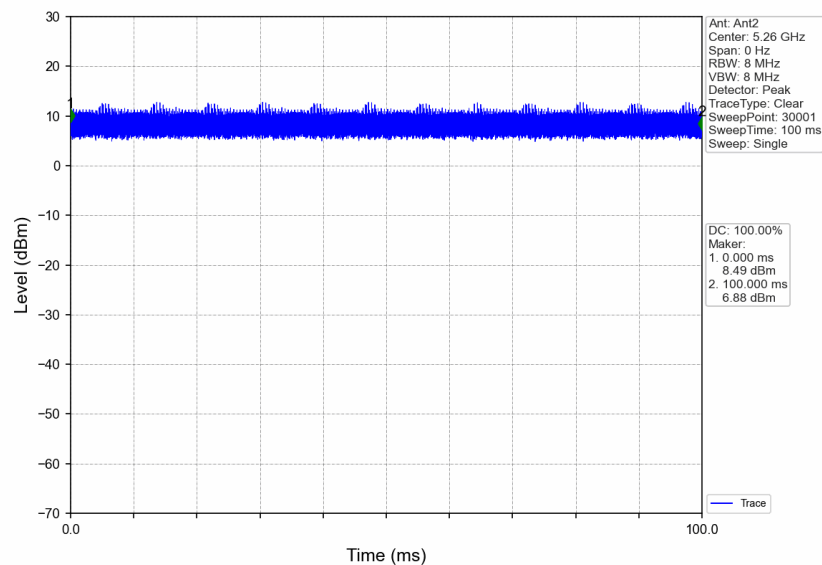
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802.11a_HCH_5240MHz_Ant2_NTNV



802.11a_LCH_5260MHz_Ant2_NTNV



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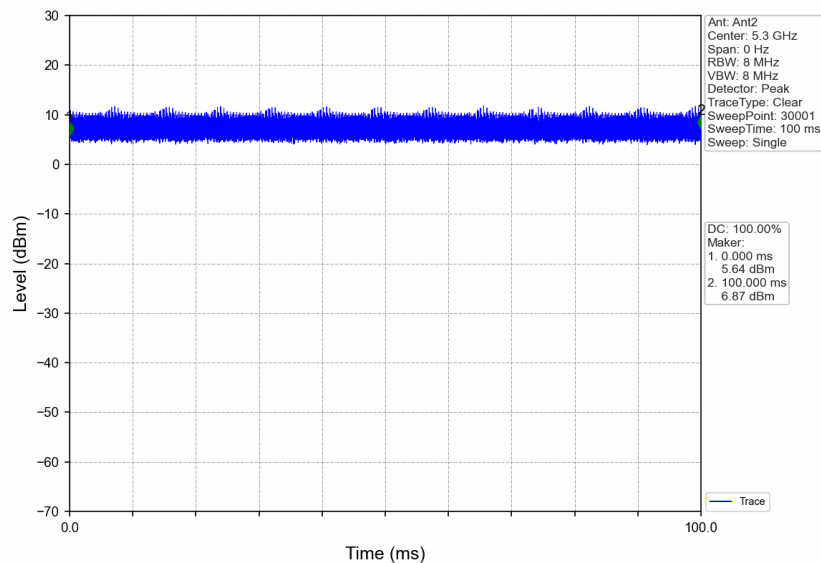
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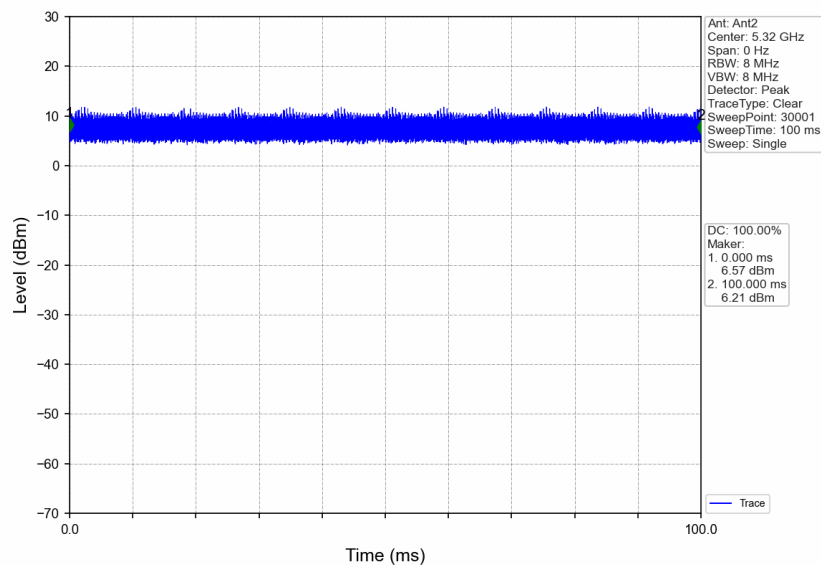
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802.11a_HCH_5320MHz_Ant2_NTNV



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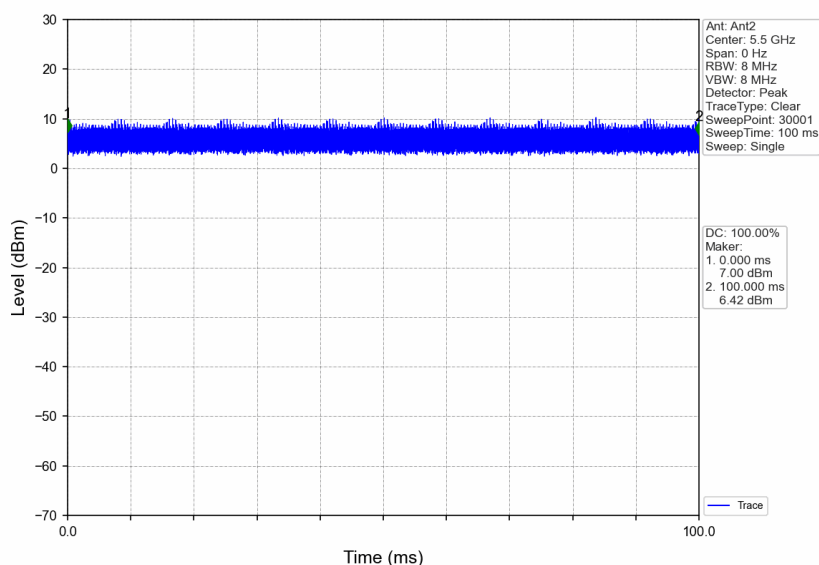
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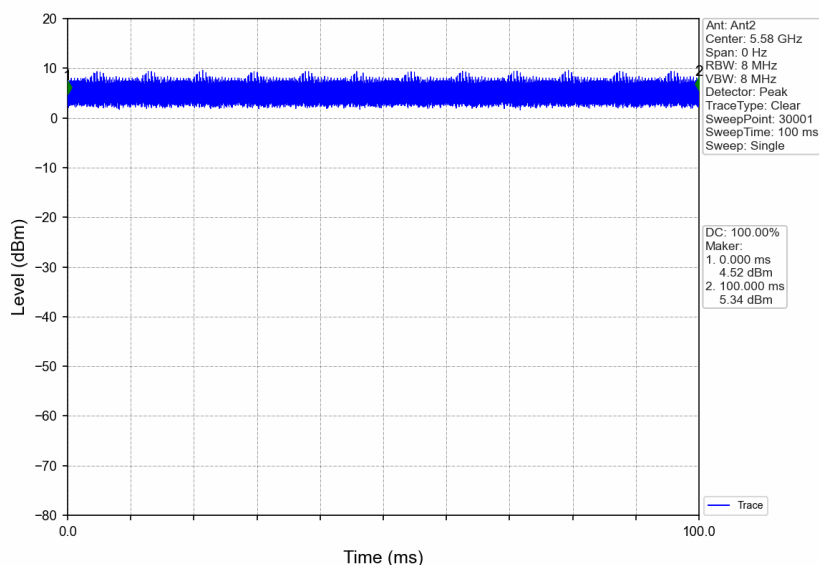
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802.11a_MCH_5580MHz_Ant2_NTNV



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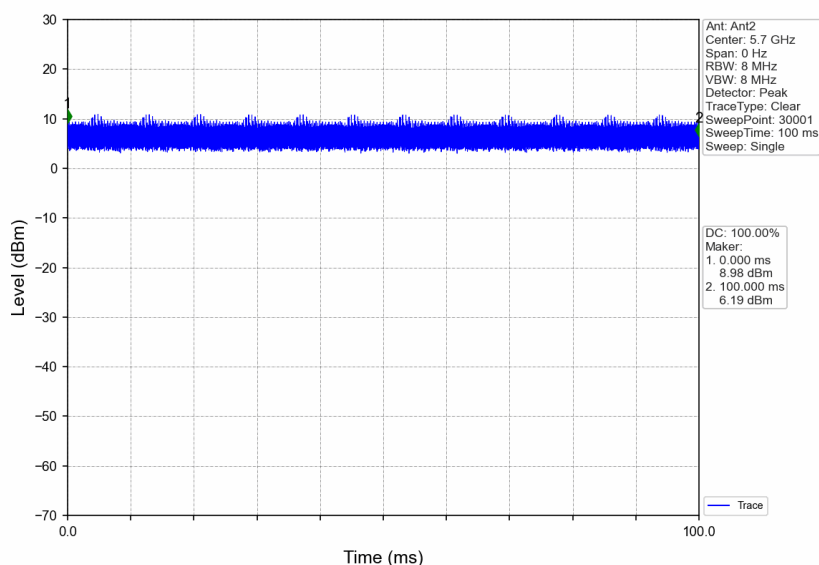
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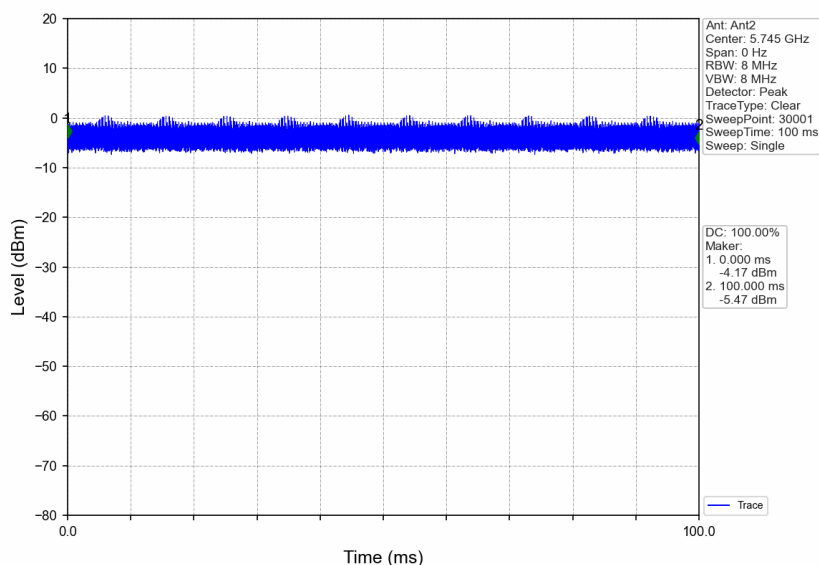
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802.11a_LCH_5745MHz_Ant2_NTNV



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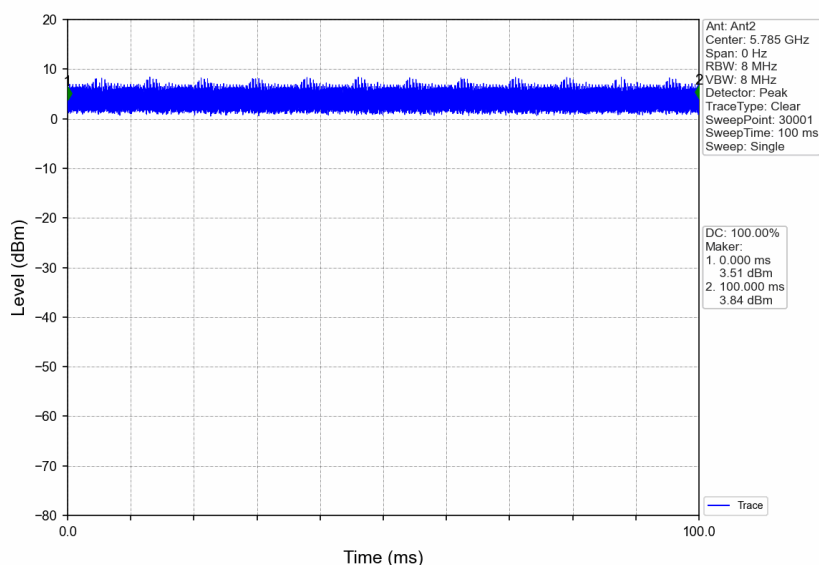
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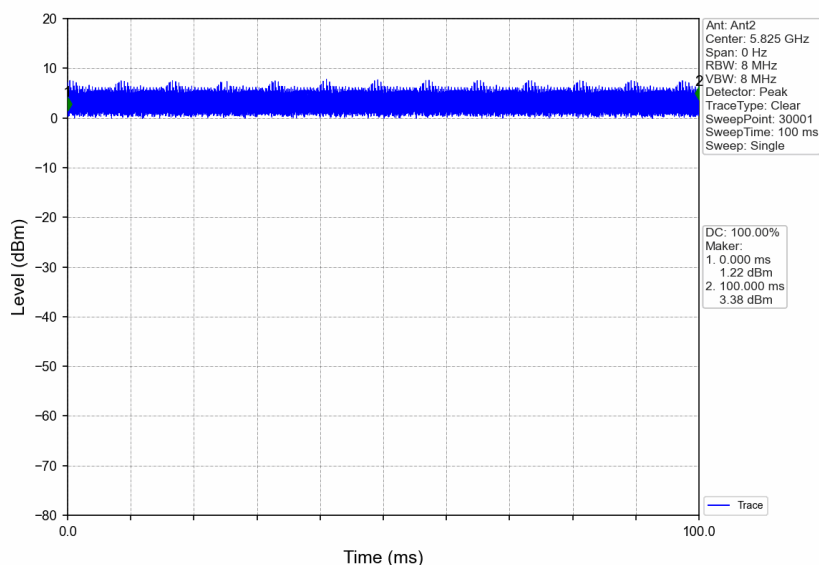
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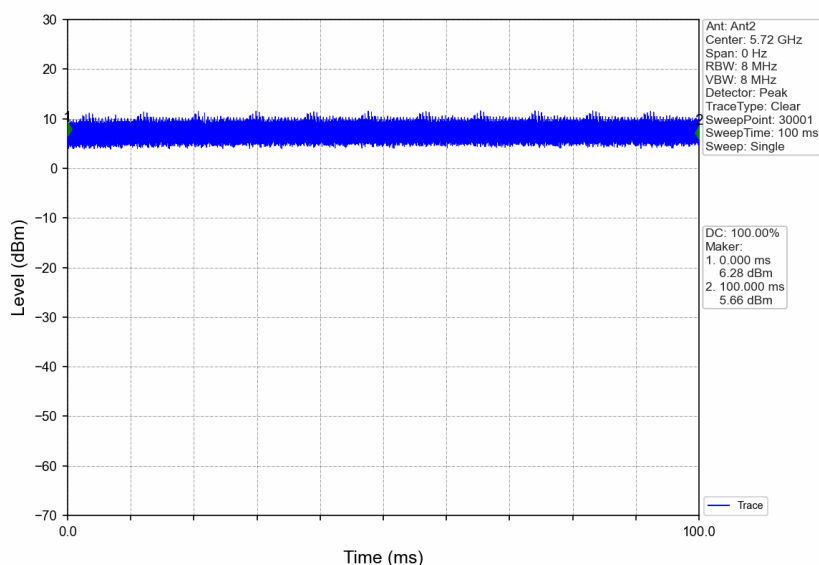
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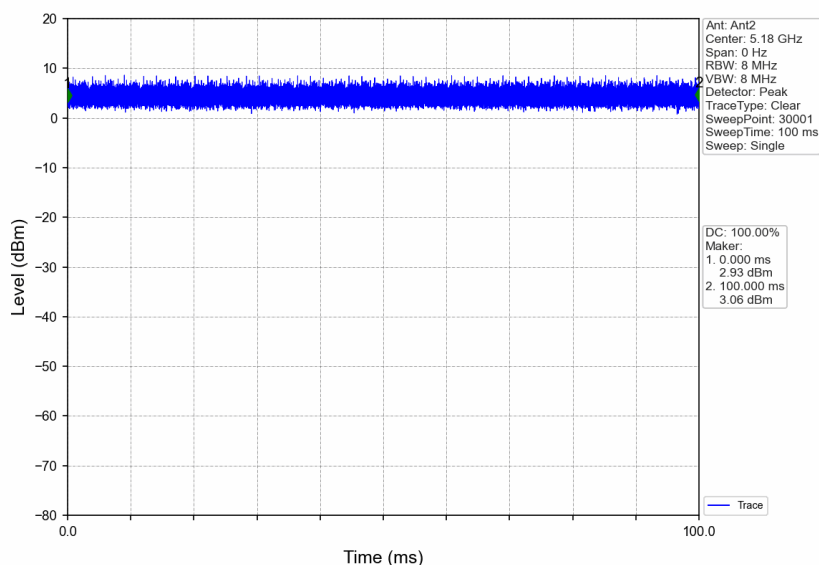
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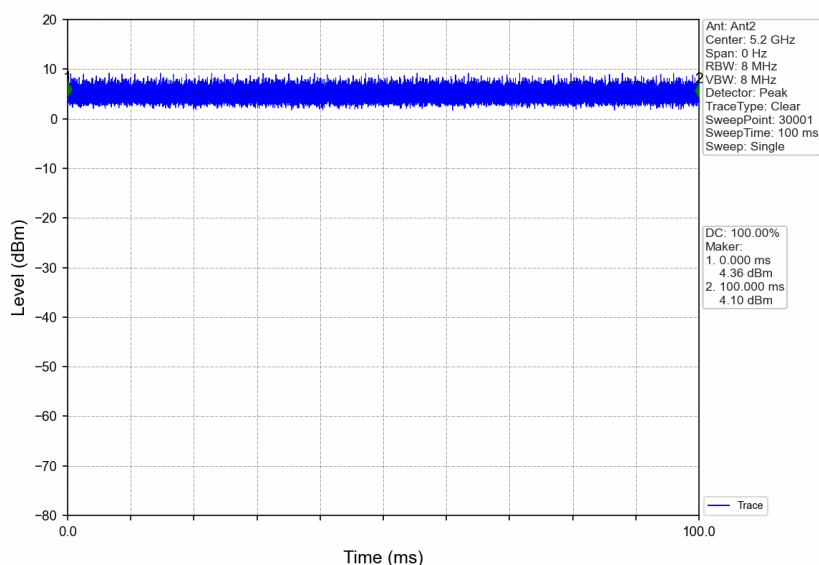
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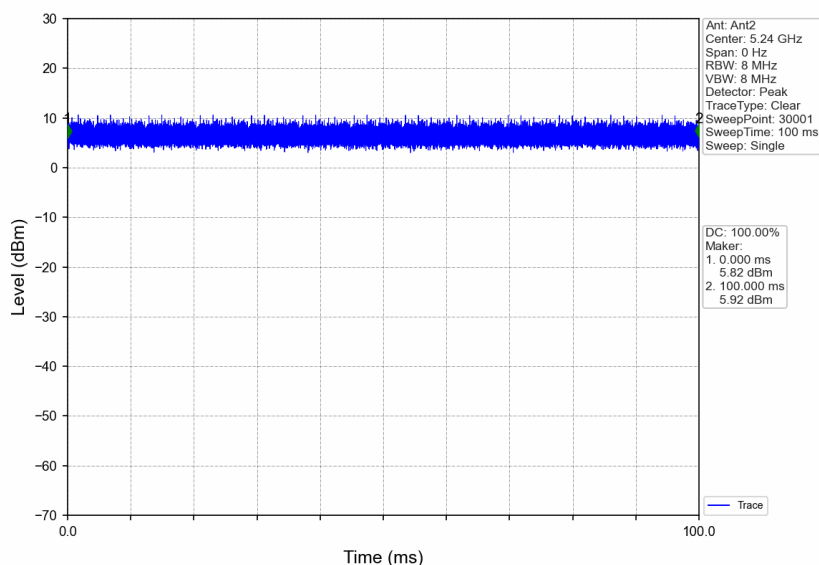
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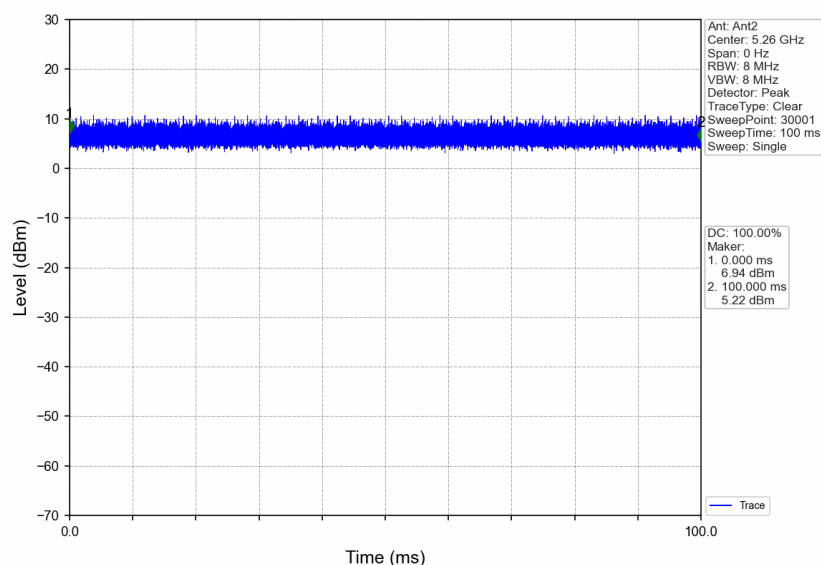
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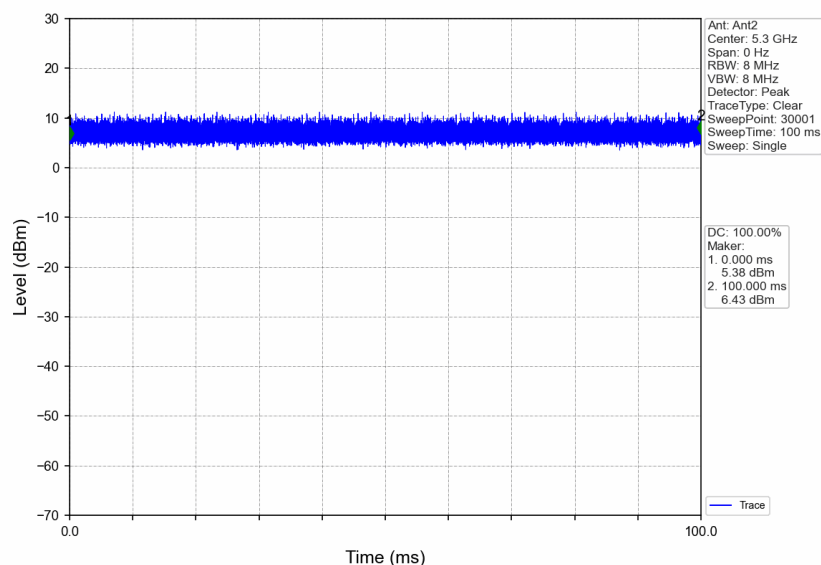
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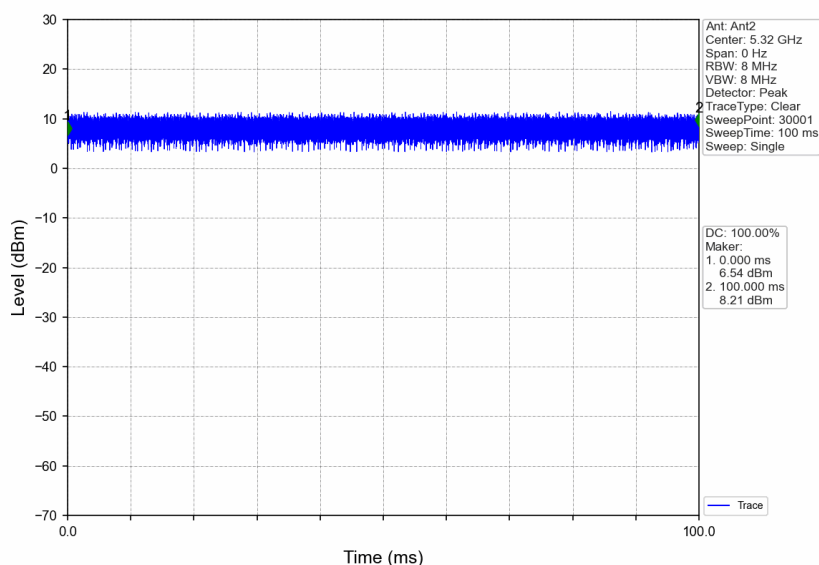
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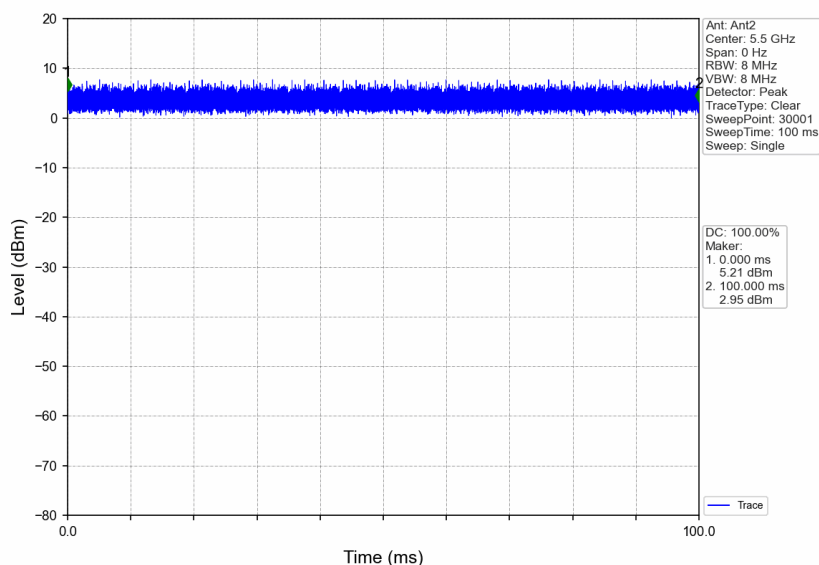
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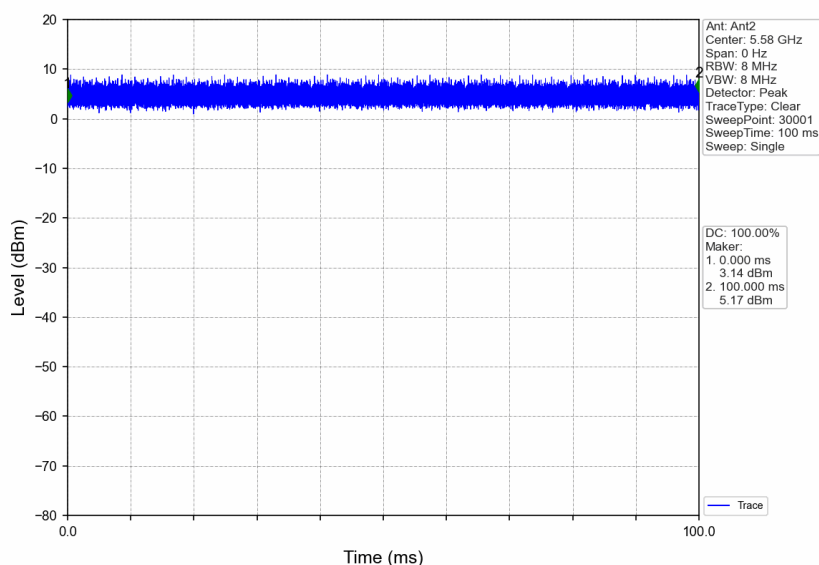
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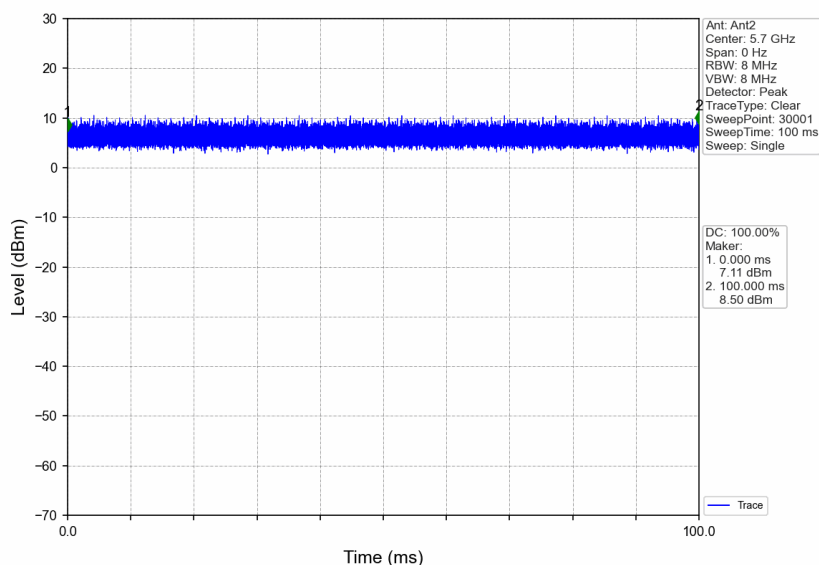
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802.11n(HT20)_MCH_5580MHz_Ant2_NTNV



802.11n(HT20)_HCH_5700MHz_Ant2_NTNV



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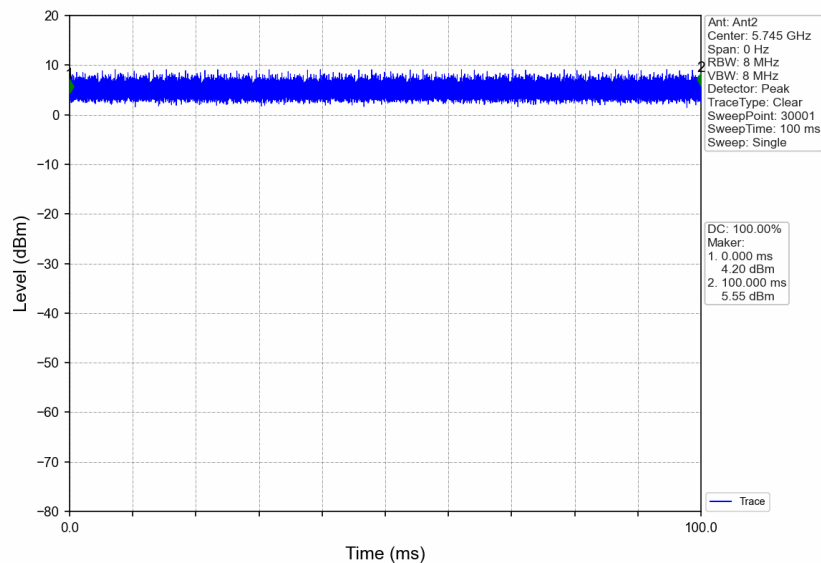
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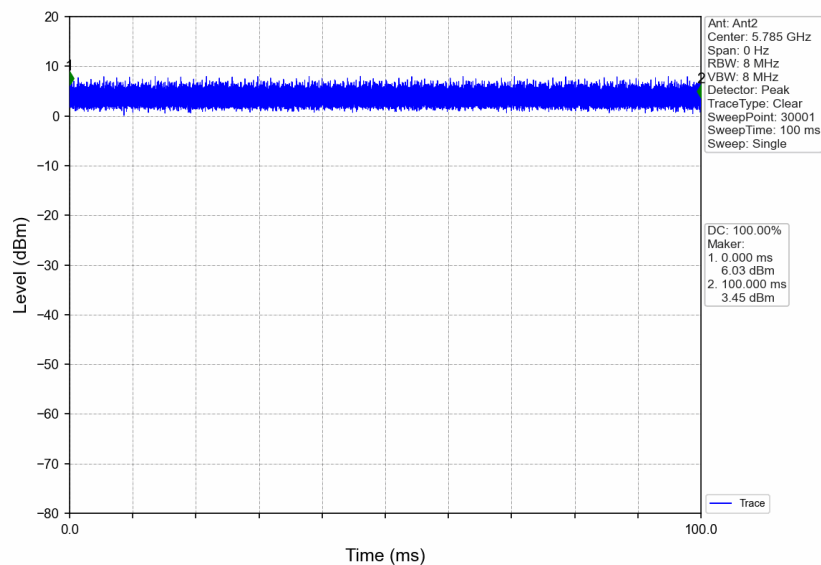
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802.11n(HT20)_LCH_5745MHz_Ant2_NTNV



802.11n(HT20)_MCH_5785MHz_Ant2_NTNV



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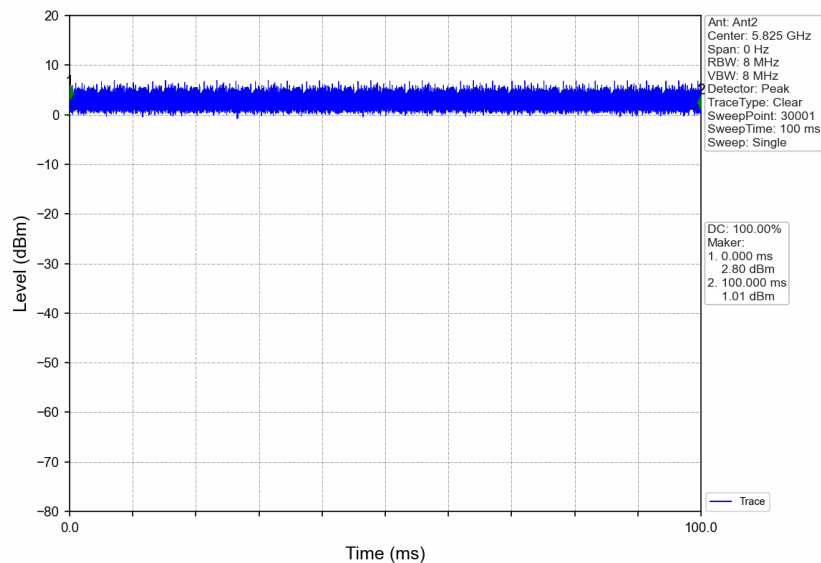
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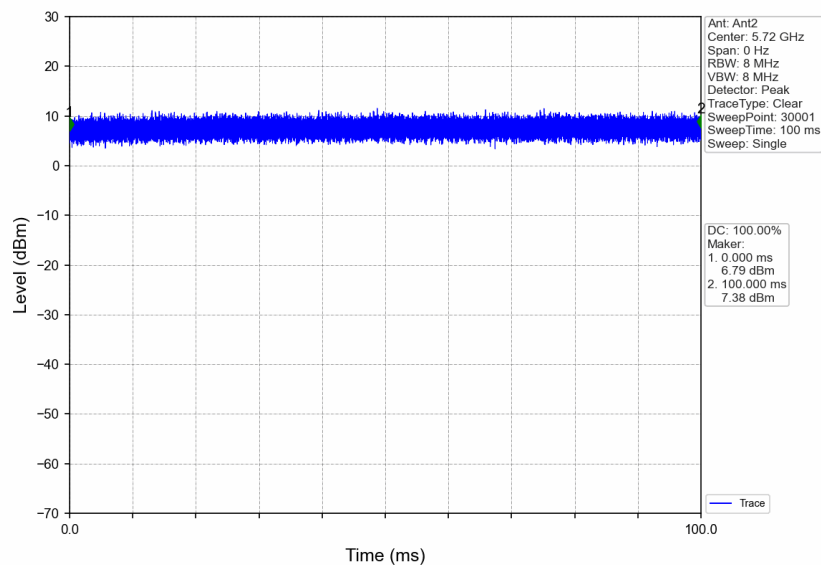
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802.11n(HT20) HCH 5825MHz Ant2 NTV



802.11n(HT20) HCH 5720MHz Ant2 NTV



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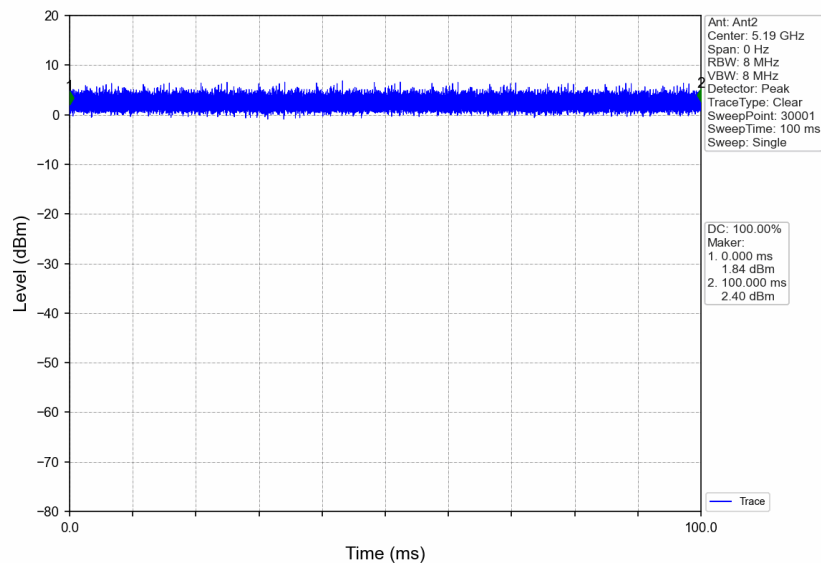
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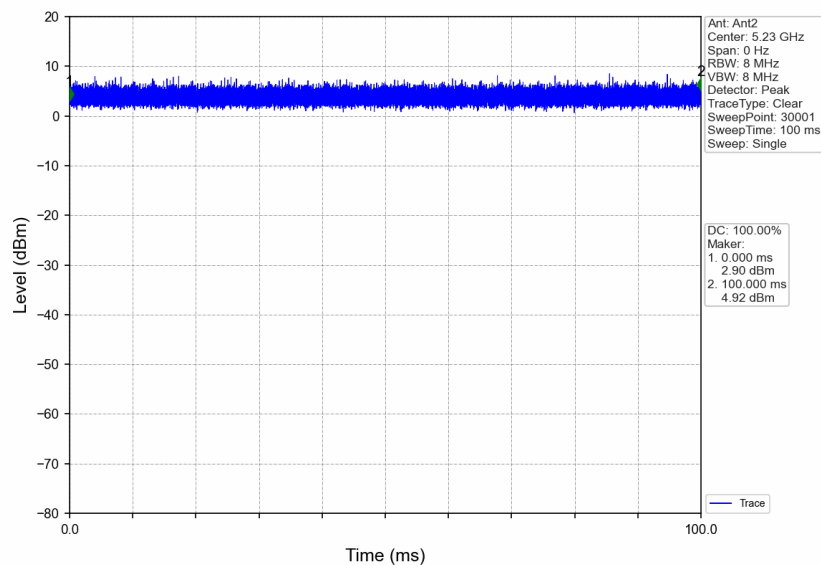
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802.11n(HT40)_LCH_5190MHz_Ant2_NTNV



802.11n(HT40)_HCH_5230MHz_Ant2_NTNV



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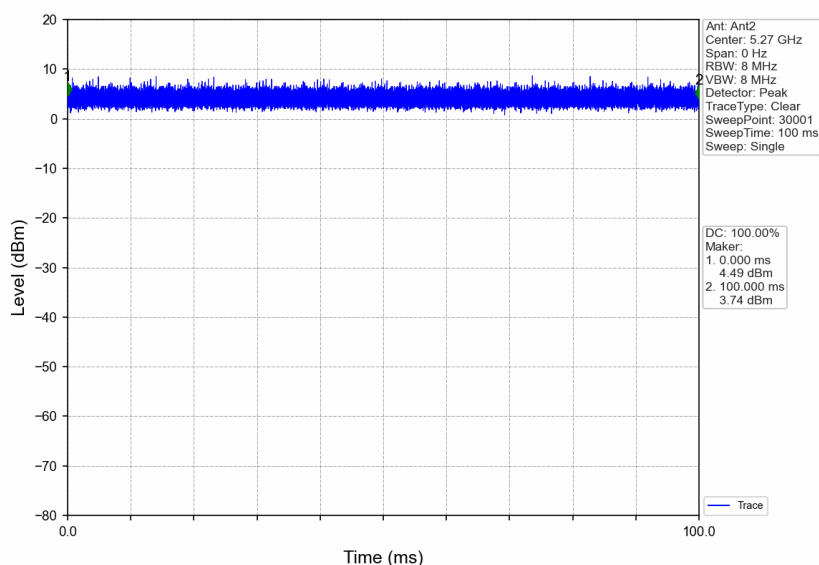
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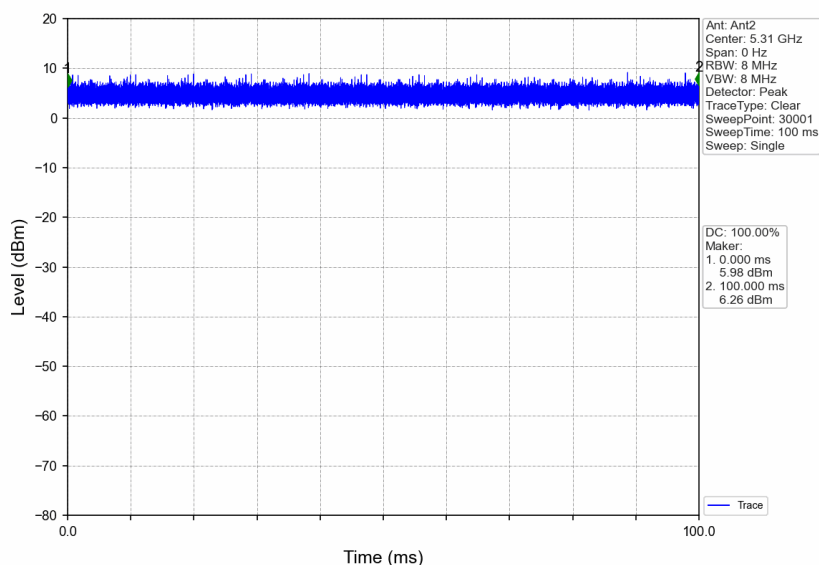
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802.11n(HT40)_LCH_5270MHz_Ant2_NTNV



802.11n(HT40)_HCH_5310MHz_Ant2_NTNV



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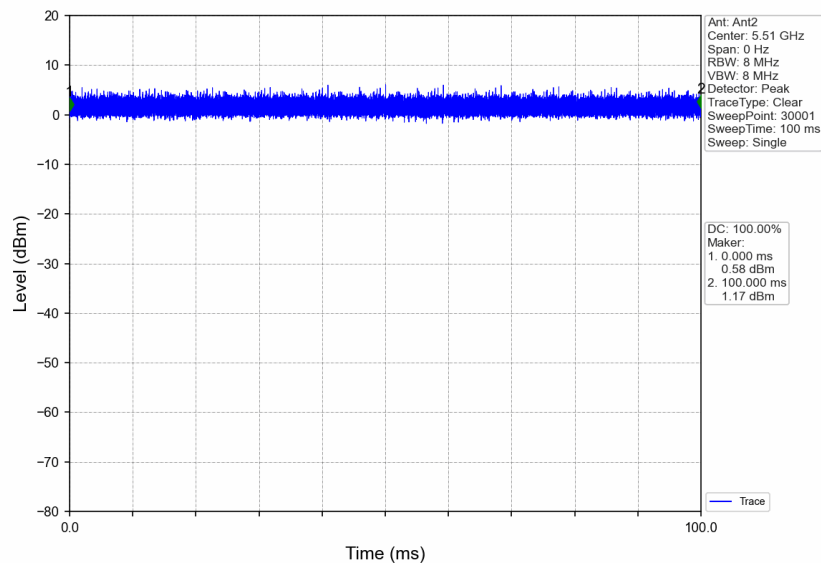
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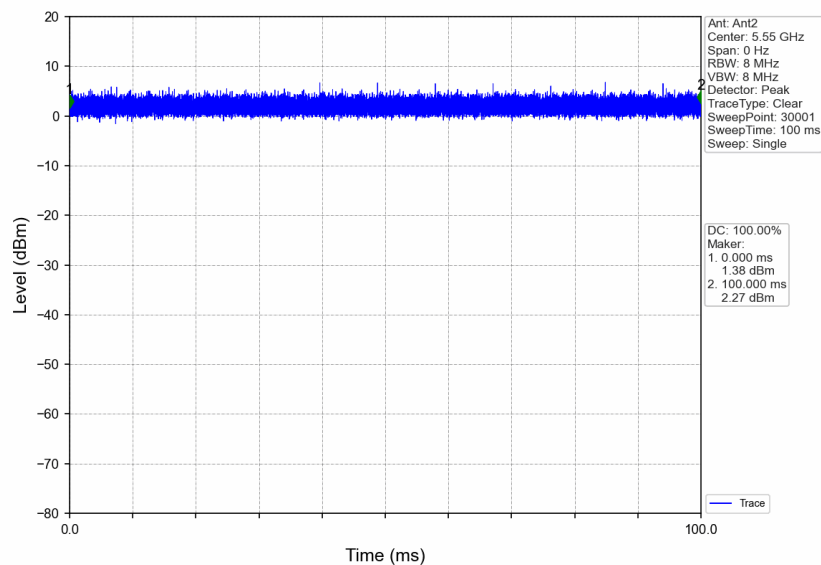
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802.11n(HT40)_LCH_5510MHz_Ant2_NTNV



802.11n(HT40)_MCH_5550MHz_Ant2_NTNV



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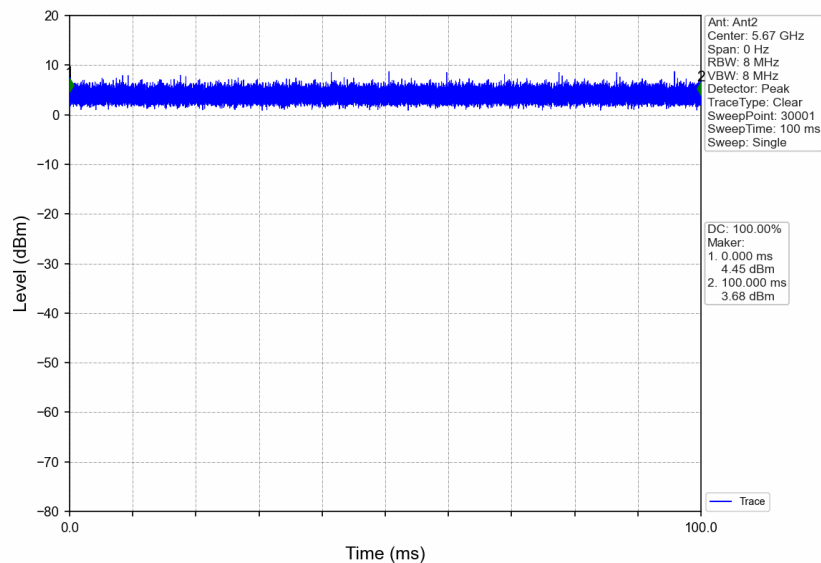
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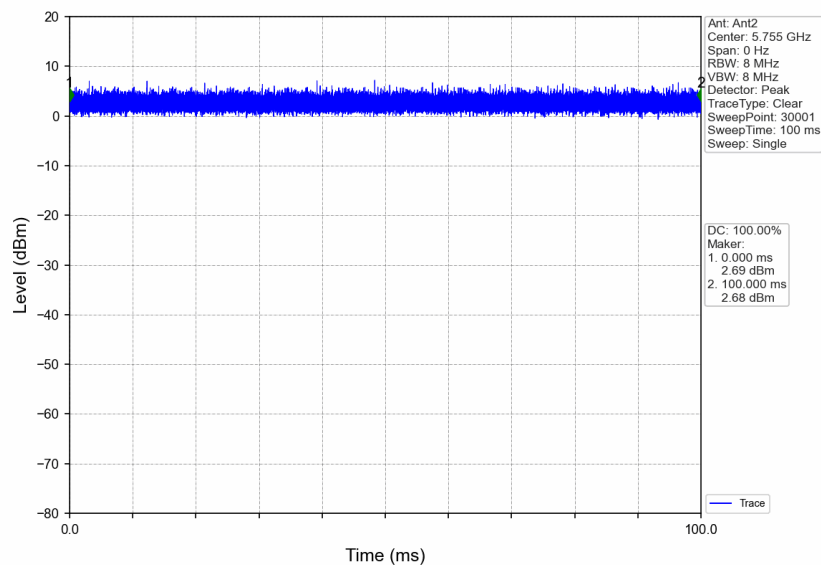
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802.11n(HT40)_HCH_5670MHz_Ant2_NTNV



802.11n(HT40)_LCH_5755MHz_Ant2_NTNV



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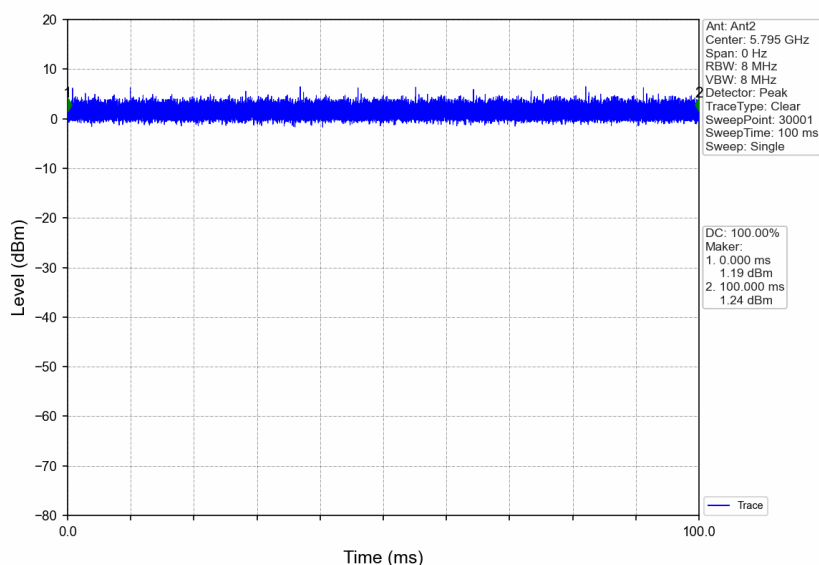
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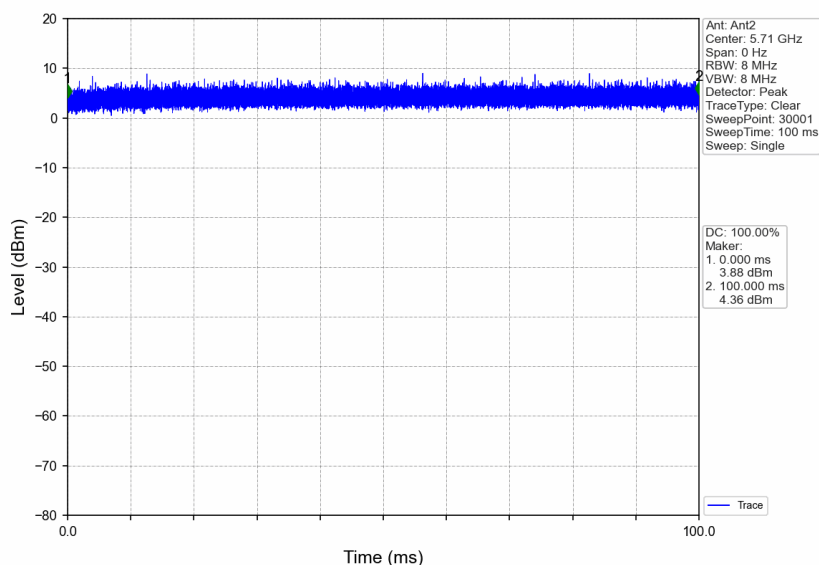
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802.11n(HT40) HCH 5795MHz Ant2 NTV



802.11n(HT40) HCH 5710MHz Ant2 NTV



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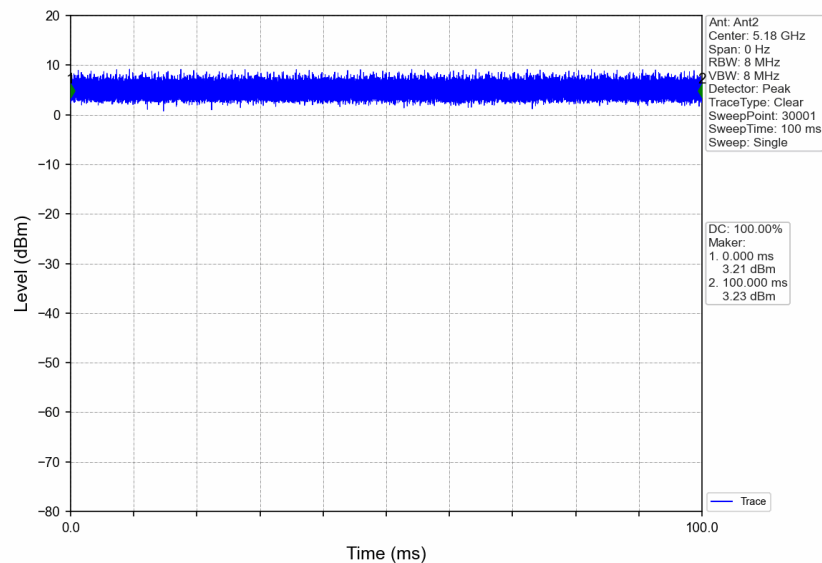
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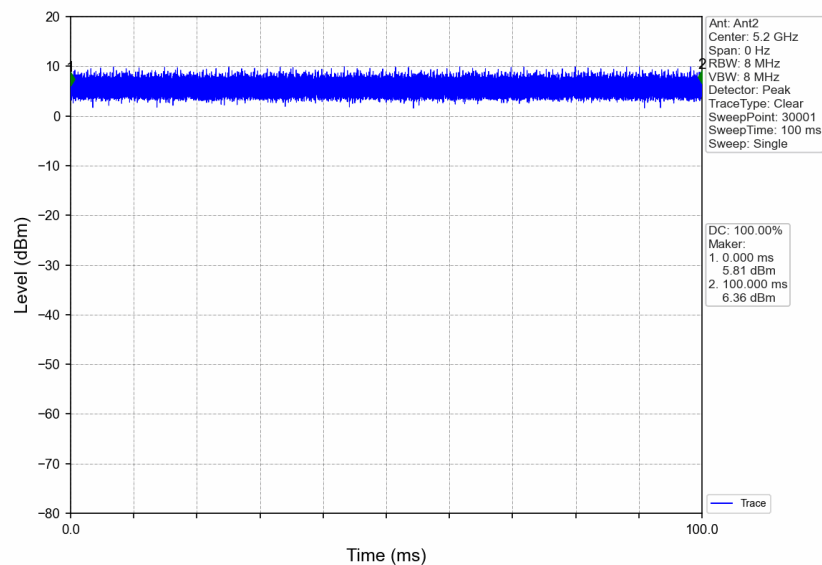
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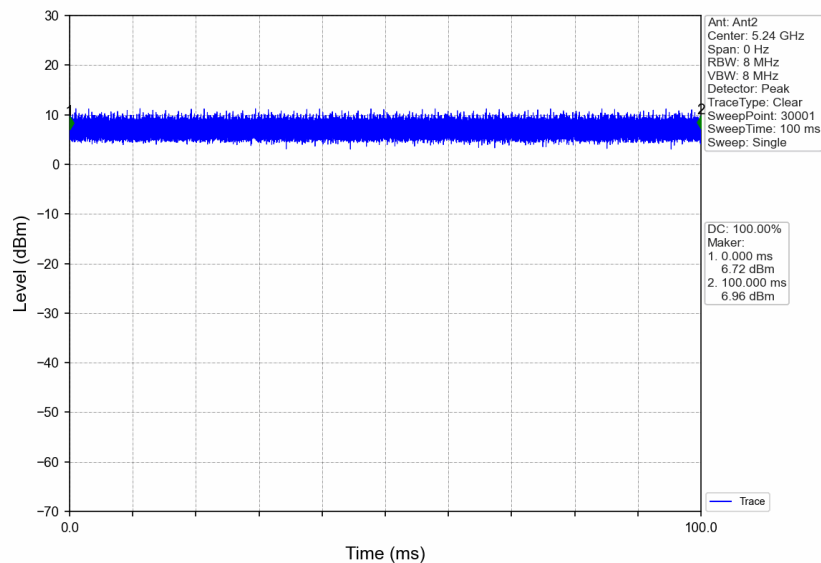
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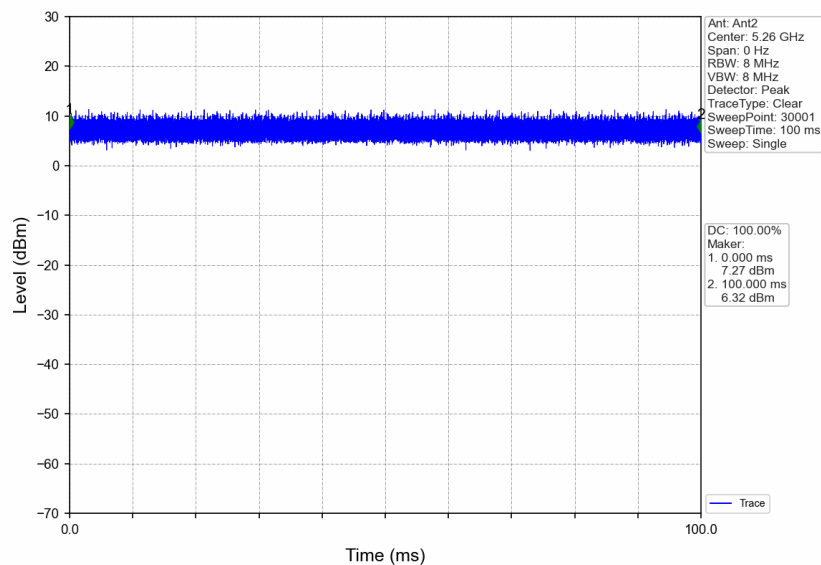
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802.11ac(VHT20)_LCH_5260MHz_Ant2_NTNV



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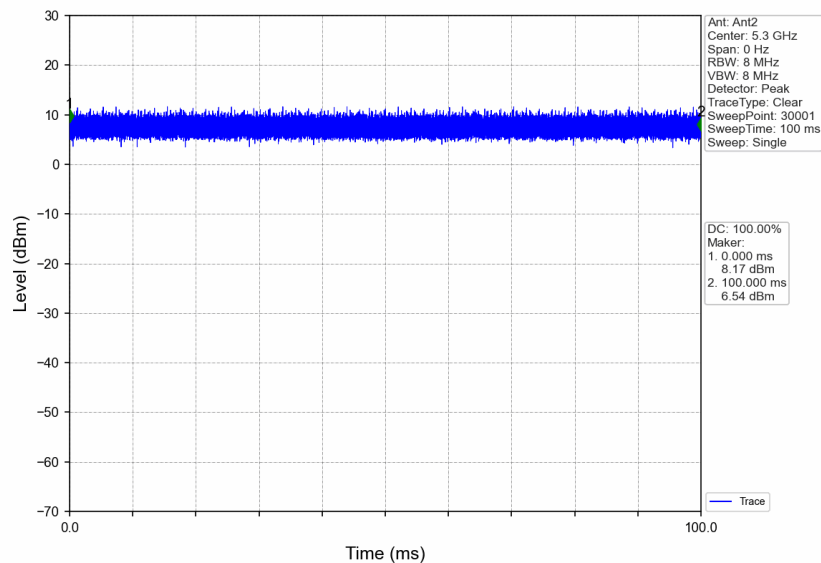
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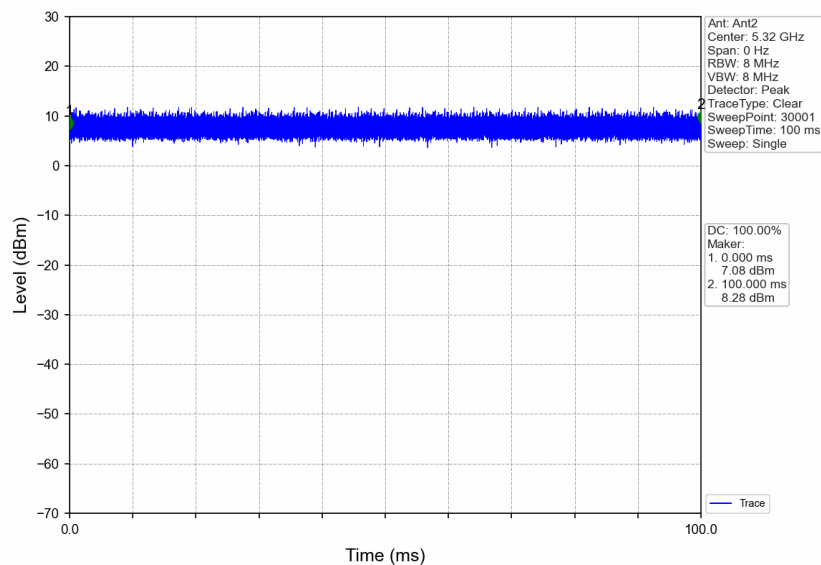
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802.11ac(VHT20) HCH 5320MHz Ant2 NTNV



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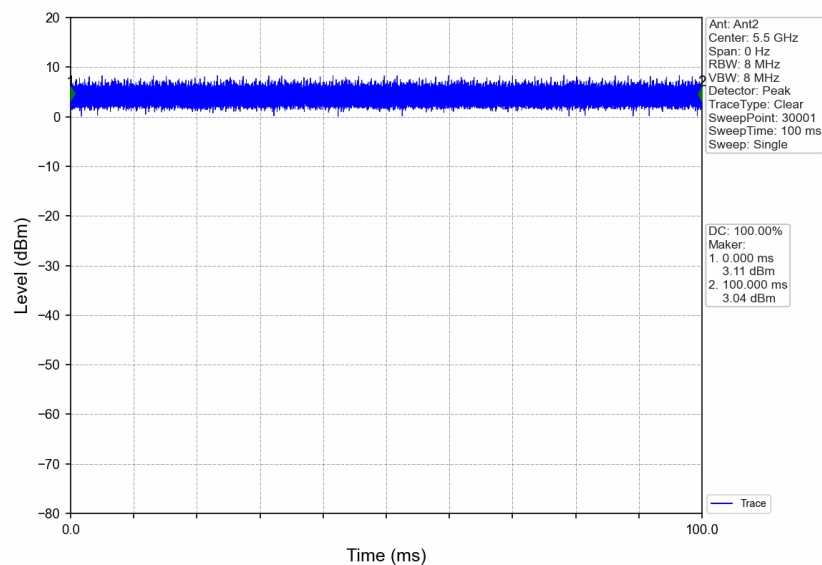
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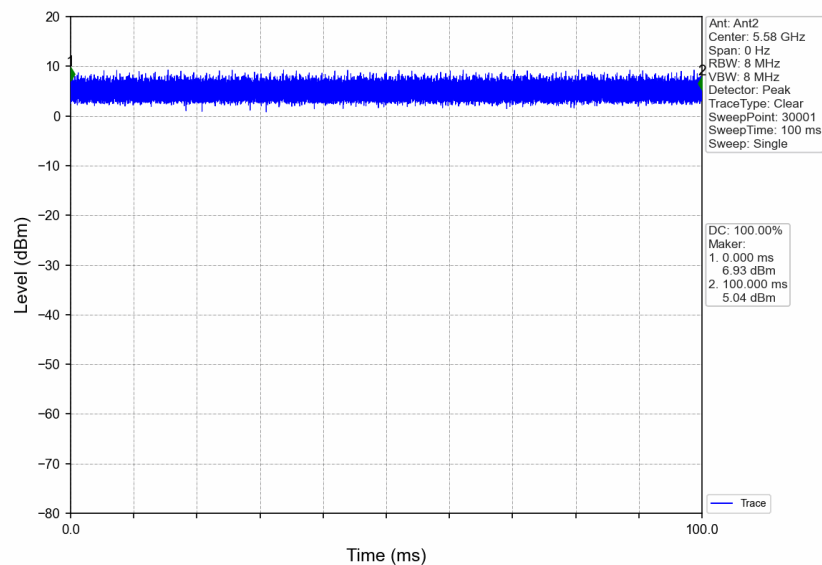
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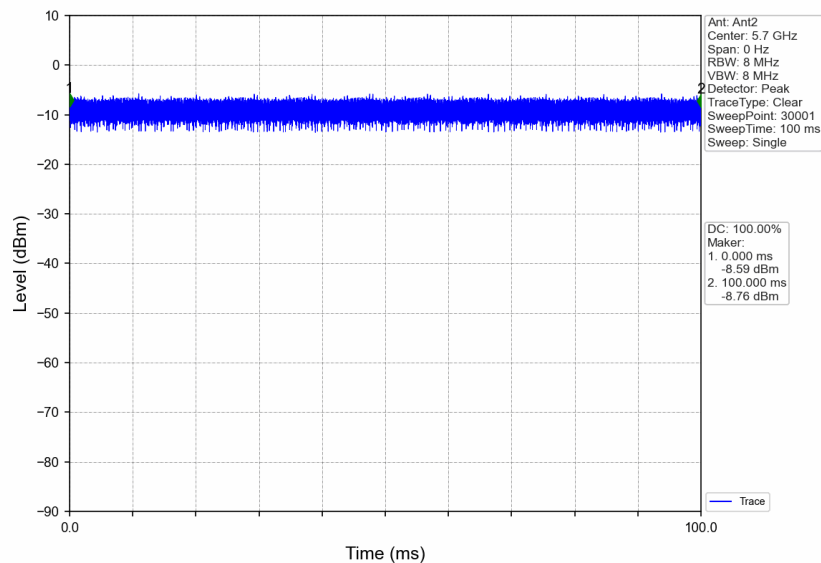
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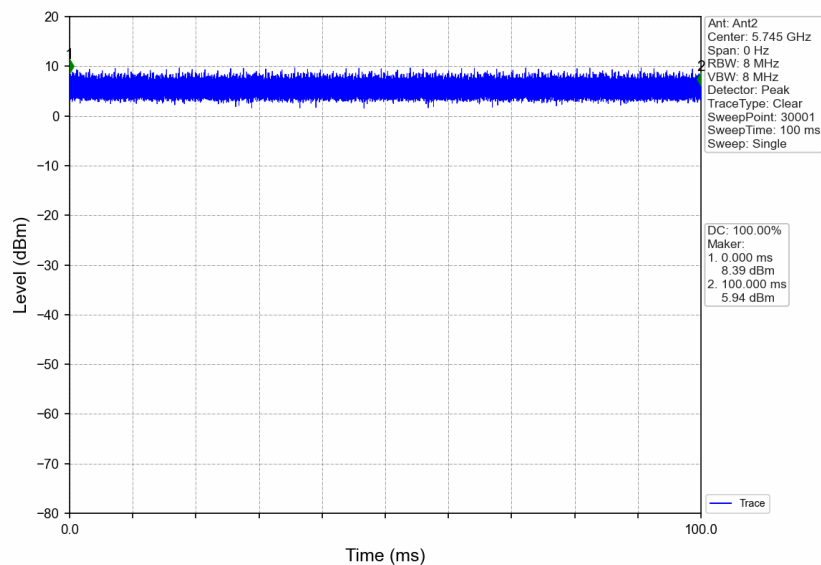
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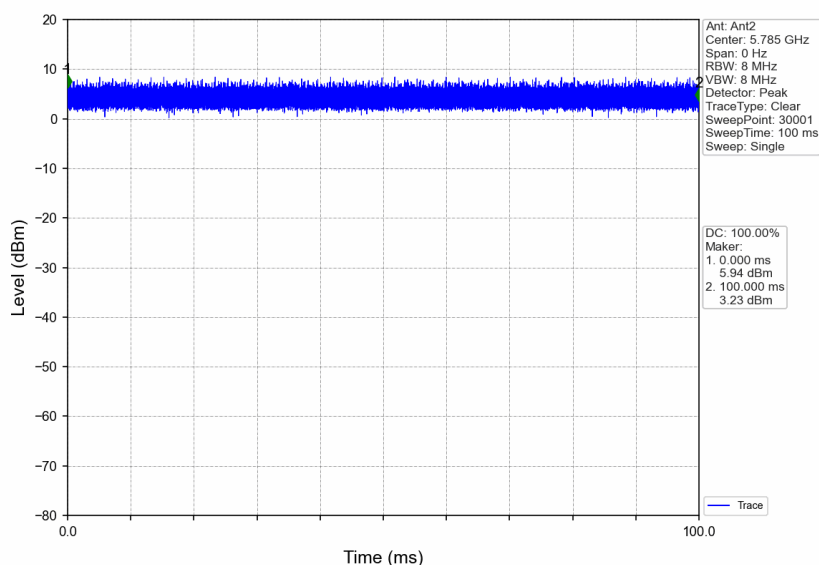
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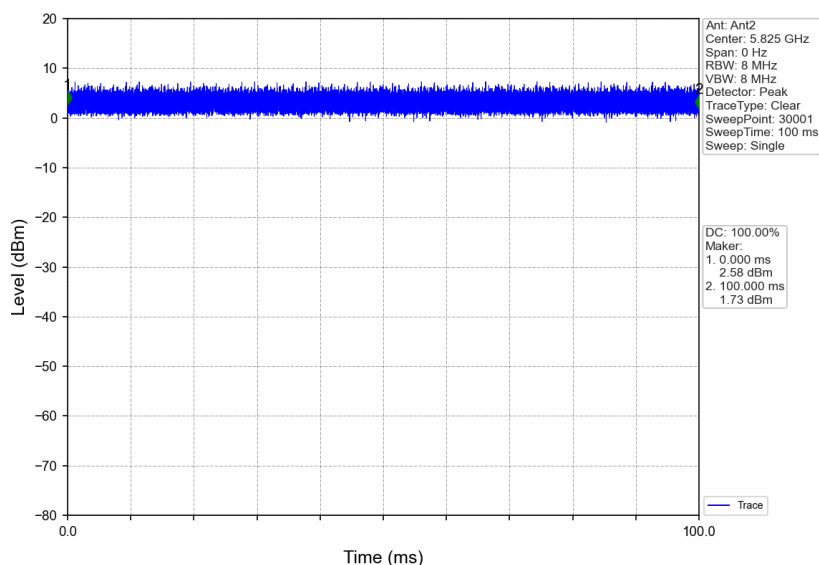
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802.11ac(VHT20) MCH 5785MHz Ant2 NTNV



802.11ac(VHT20) HCH 5825MHz Ant2 NTNV



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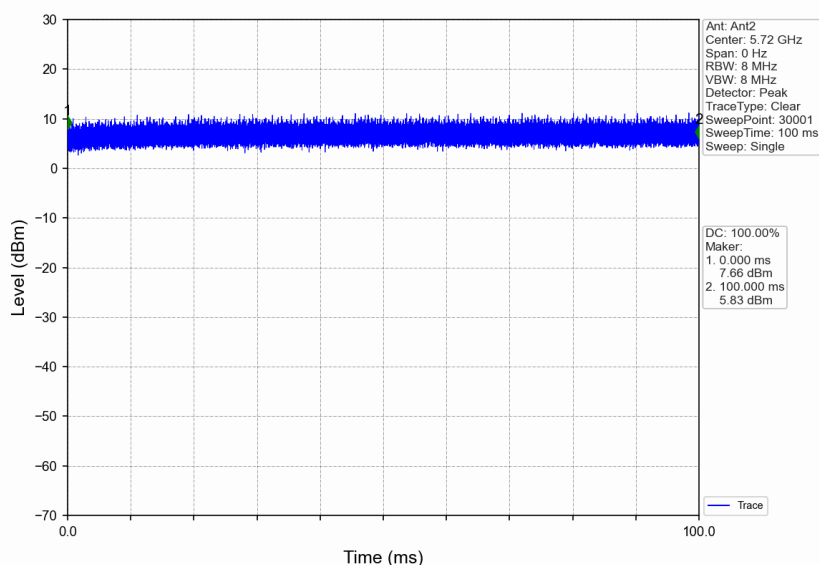
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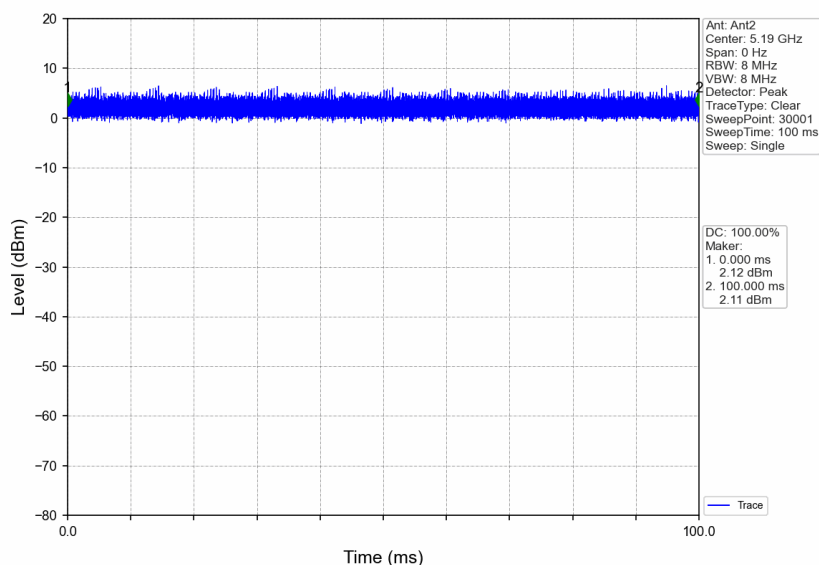
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802.11ac(VHT20)_HCH_5720MHz_Ant2_NTNV



802.11ac(VHT40)_LCH_5190MHz_Ant2_NTNV



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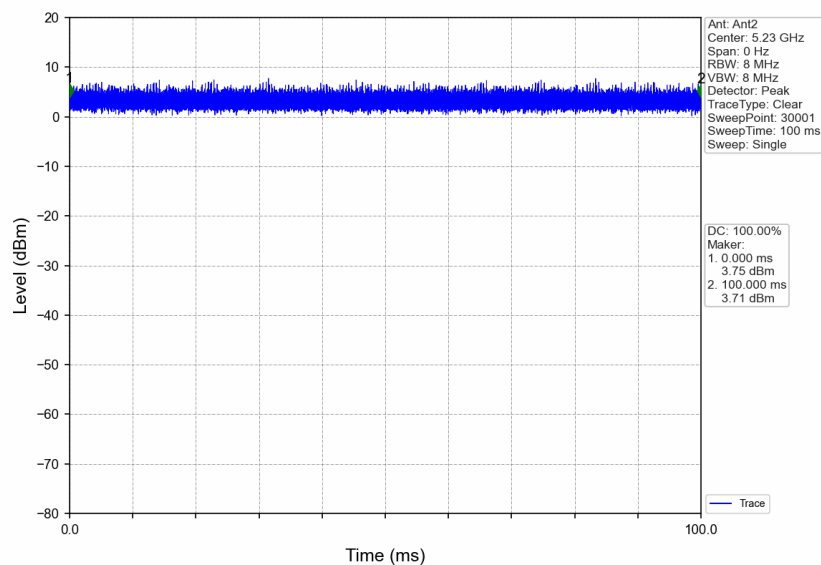
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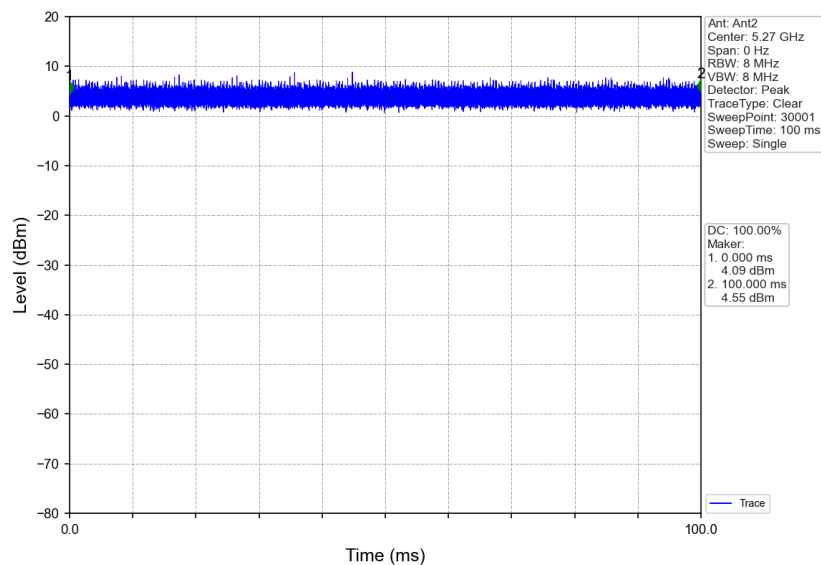
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802.11ac(VHT40)_HCH_5230MHz_Ant2_NTNV



802.11ac(VHT40)_LCH_5270MHz_Ant2_NTNV



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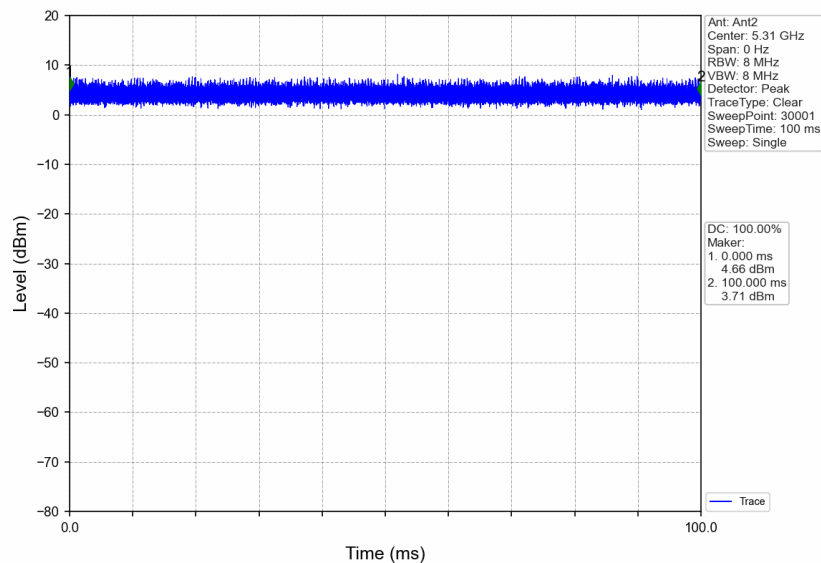
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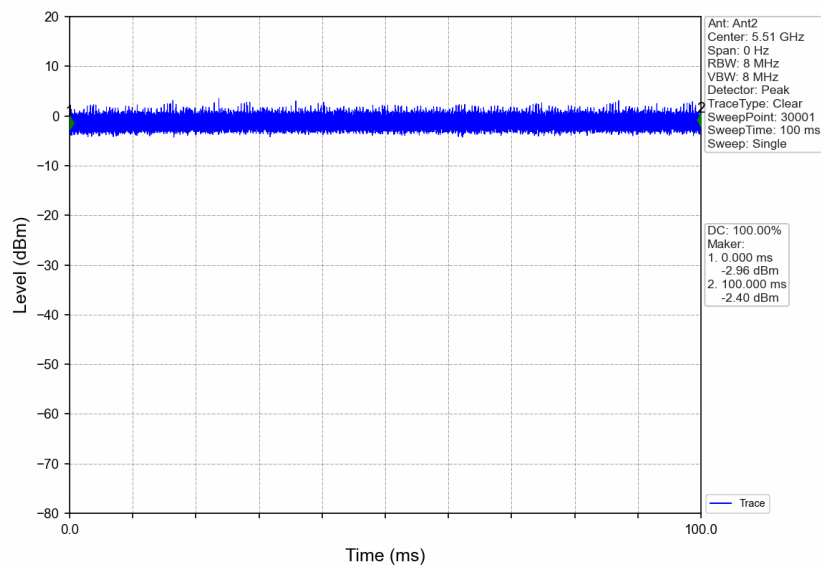
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802.11ac(VHT40)_HCH_5310MHz_Ant2_NTNV



802.11ac(VHT40)_LCH_5510MHz_Ant2_NTNV



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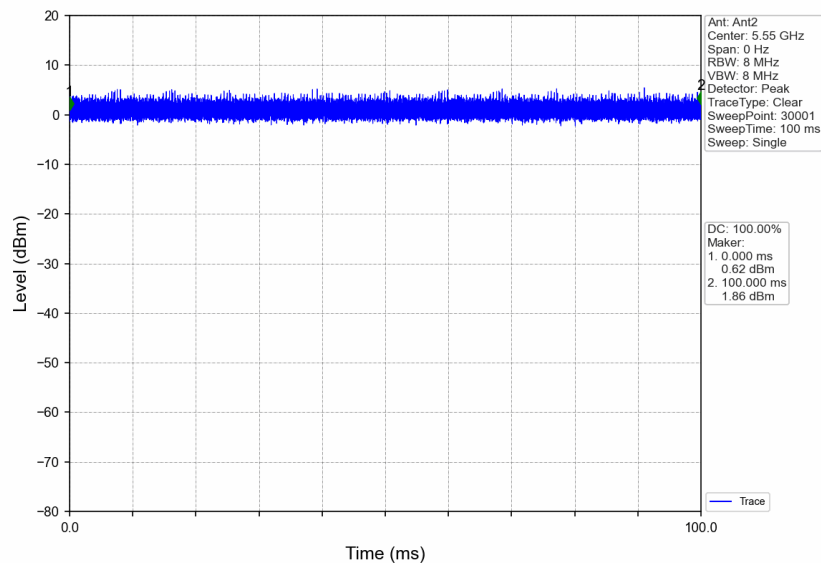
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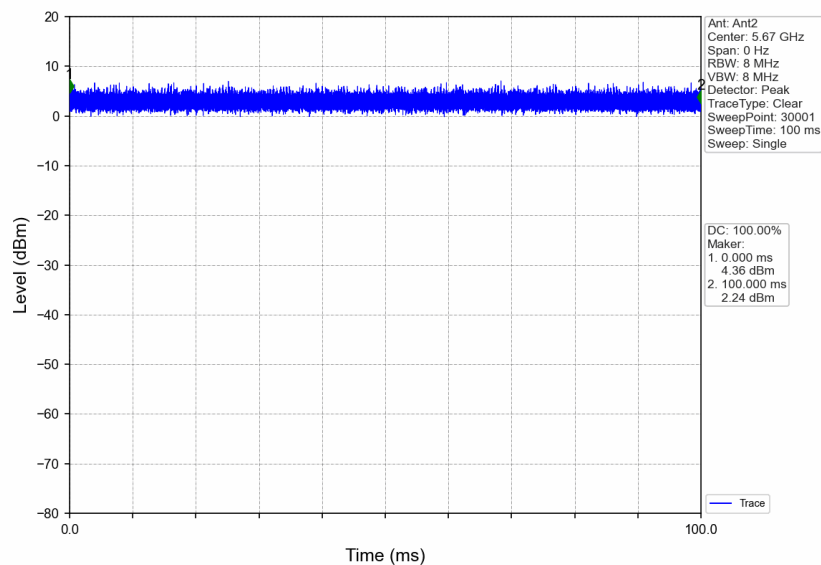
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802.11ac(VHT40) MCH 5550MHz Ant2 NTN



802.11ac(VHT40) HCH 5670MHz Ant2 NTN



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