

Appendix D for KSCR210900016504

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
		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)	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
		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)	SISO	5190	100.000	100.000	100.00	0.00	0.00
		5230	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)	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
		5745	100.000	100.000	100.00	0.00	0.00
		5785	100.000	100.000	100.00	0.00	0.00
802.11ac (VHT40)	SISO	5190	100.000	100.000	100.00	0.00	0.00
		5230	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)	SISO	5210	100.000	100.000	100.00	0.00	0.00
		5775	100.000	100.000	100.00	0.00	0.00



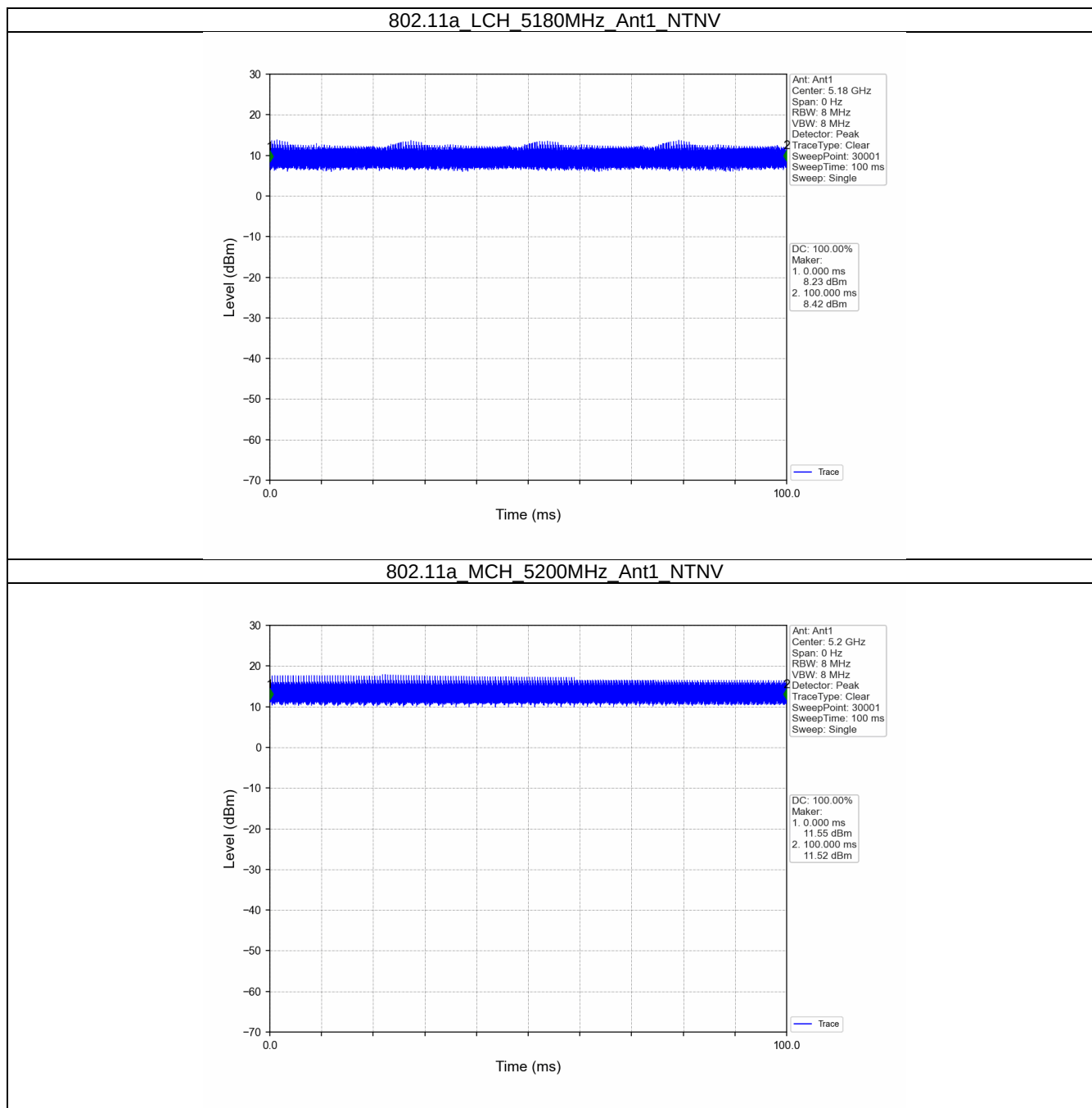
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1.1.2 Test Graph



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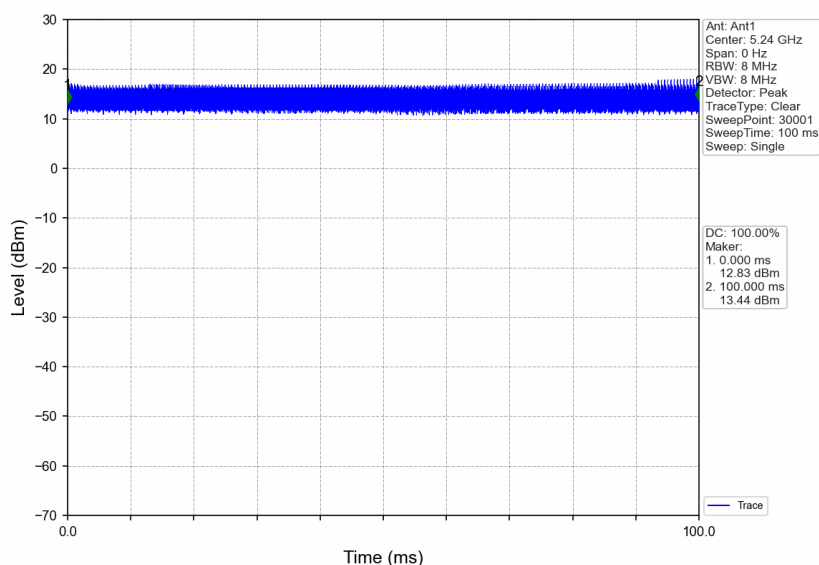
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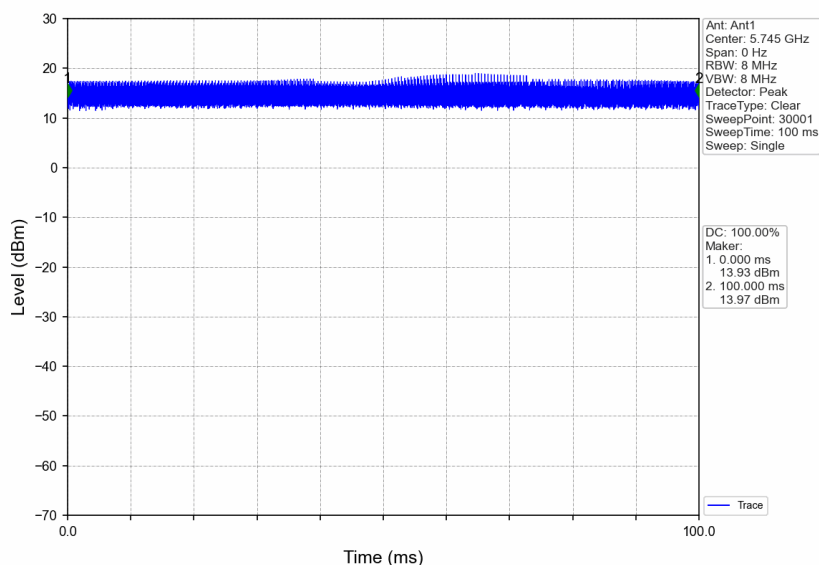
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802.11a_HCH_5240MHz_Ant1_NTNV



802.11a_LCH_5745MHz_Ant1_NTNV



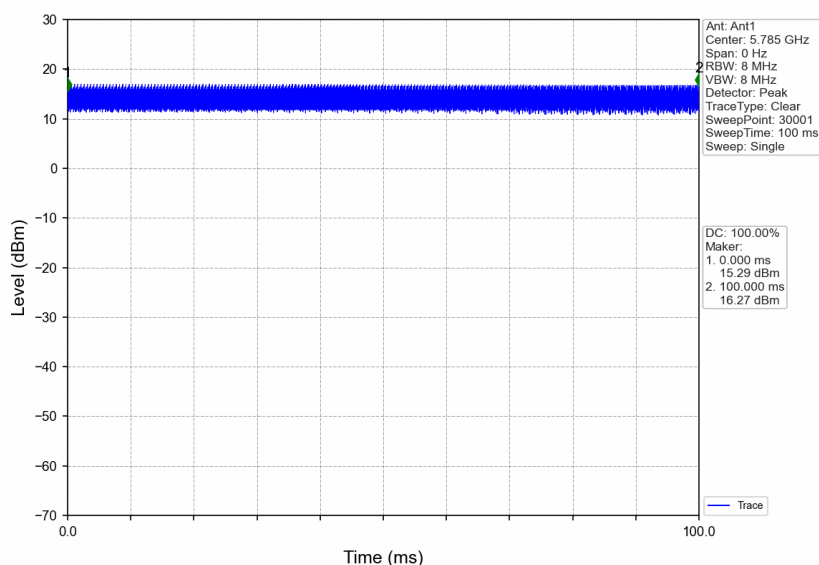
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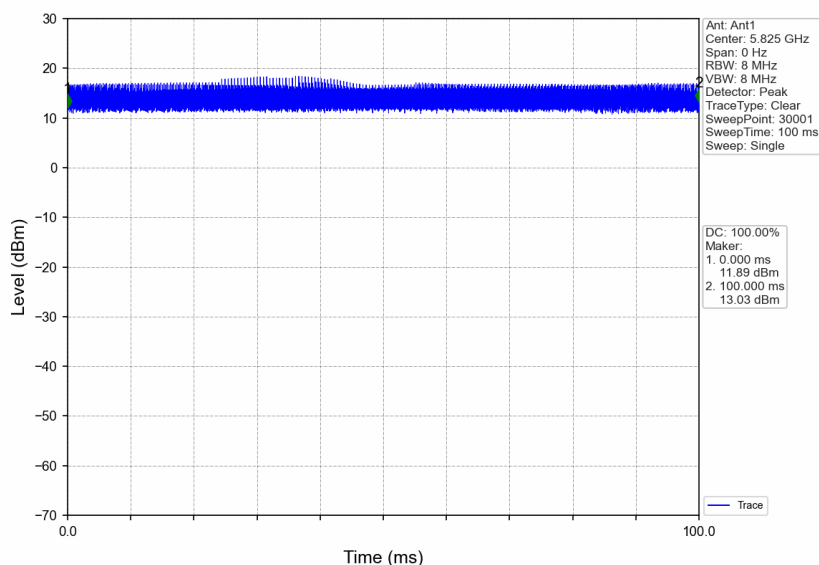
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802.11a_MCH_5785MHz_Ant1_NTNV



802.11a_HCH_5825MHz_Ant1_NTNV



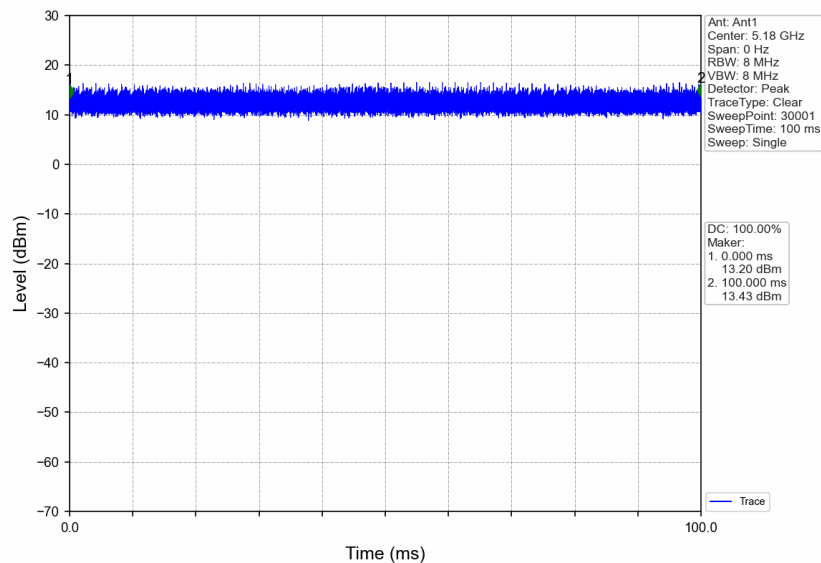
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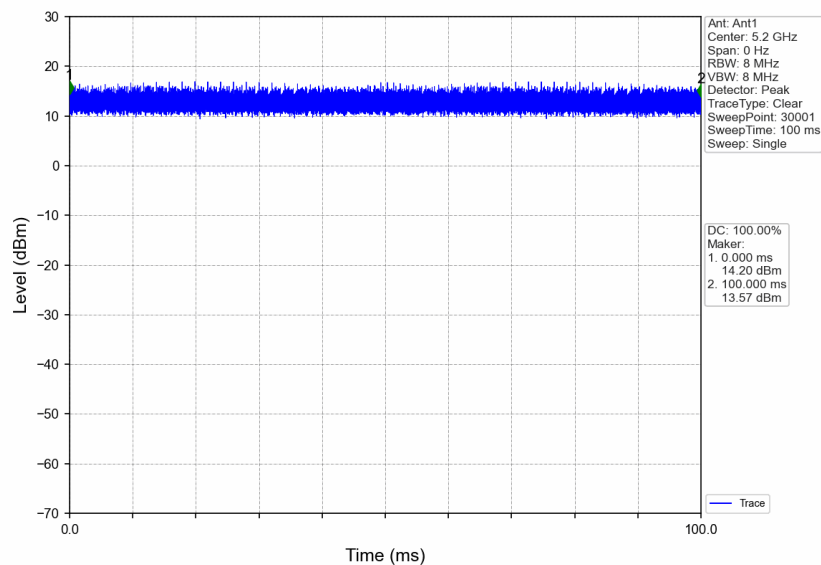
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802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



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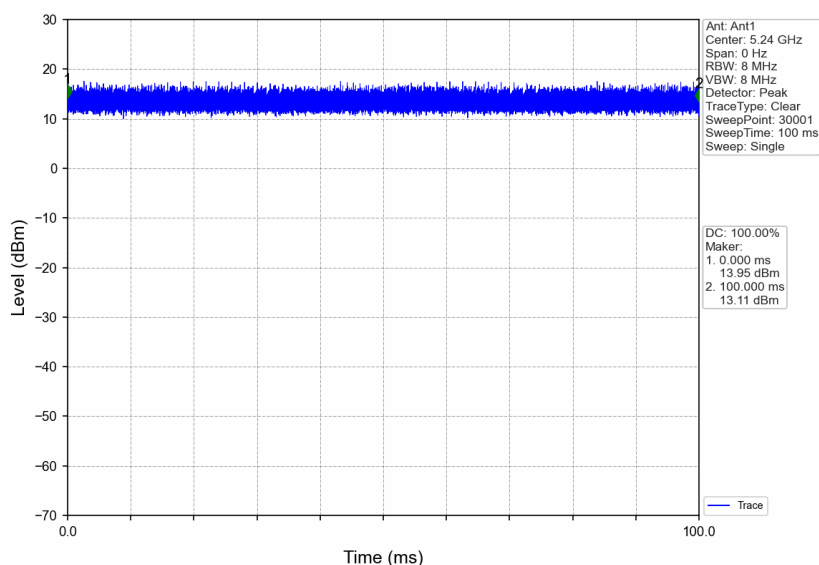
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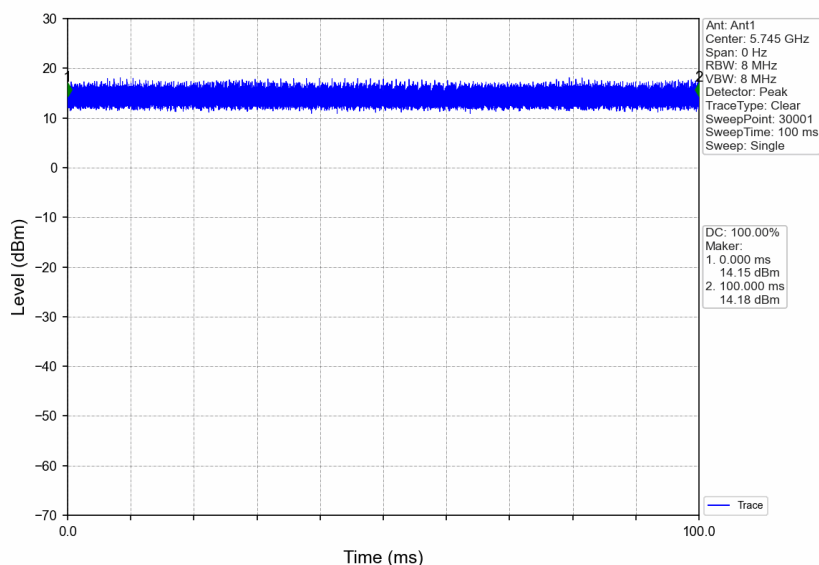
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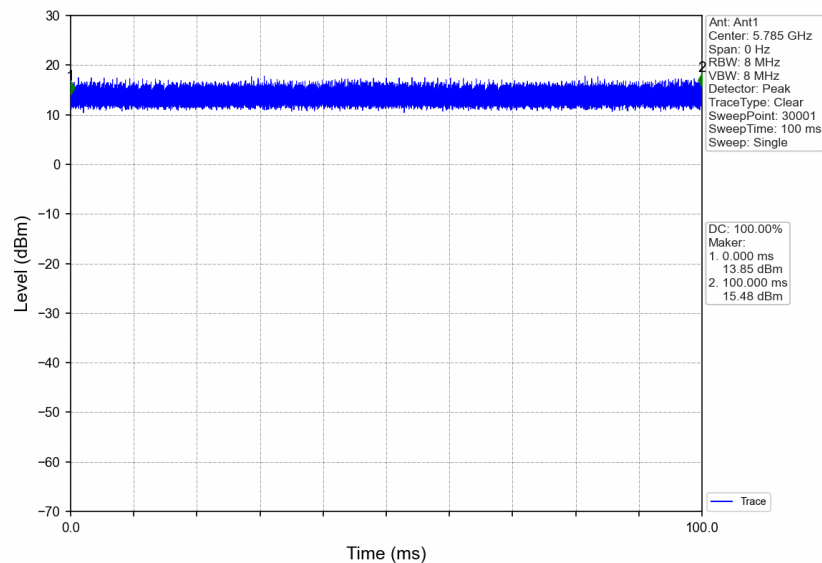
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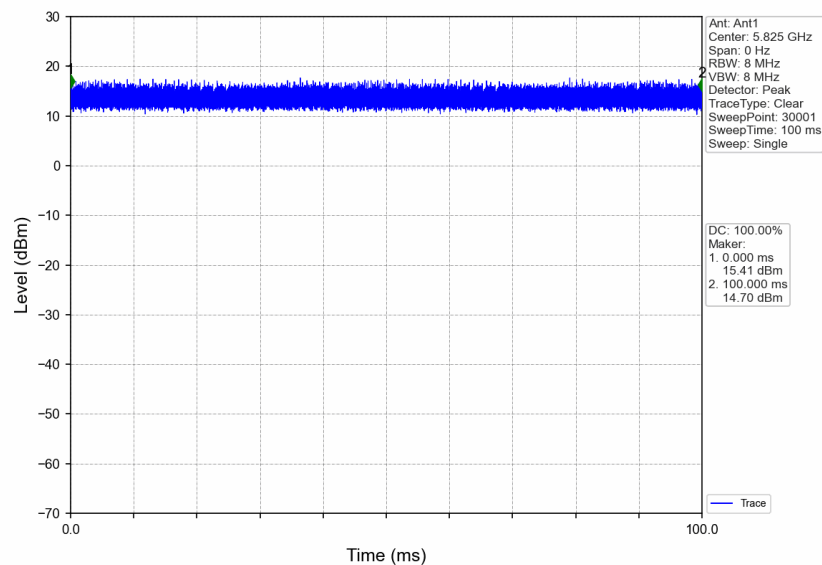
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802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



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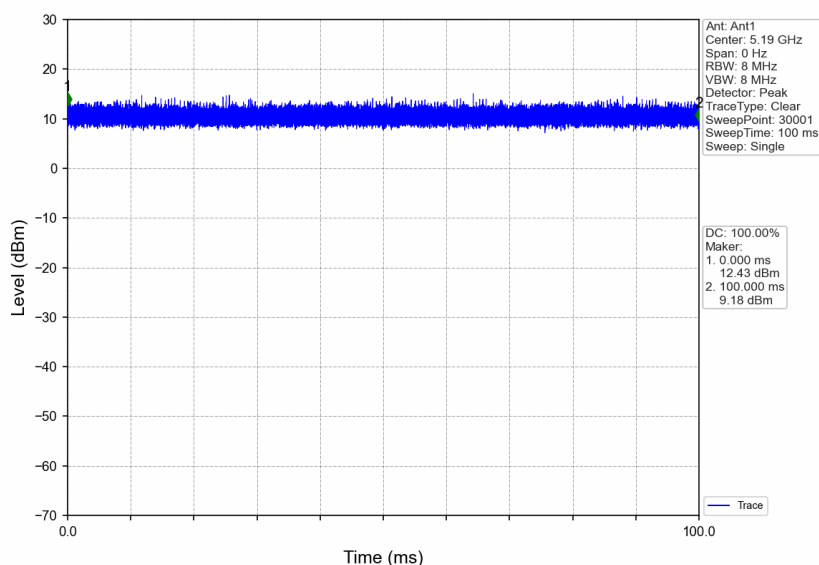
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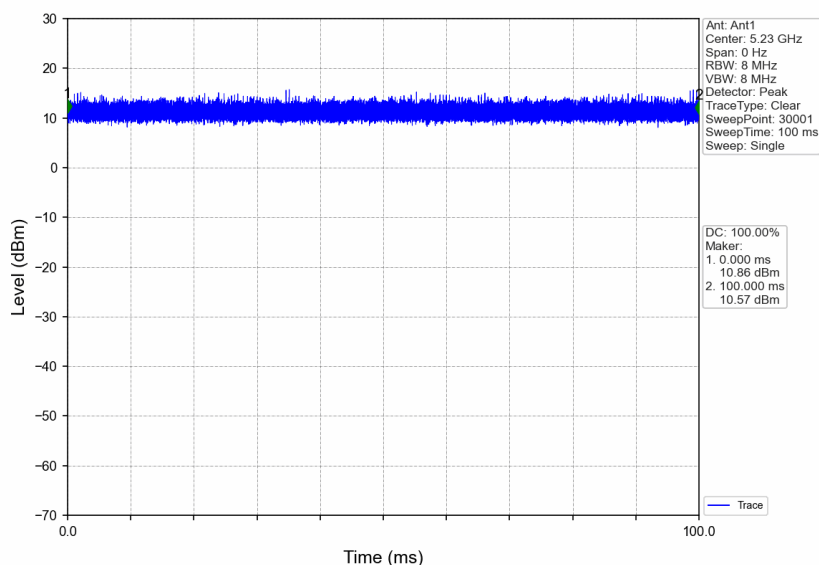
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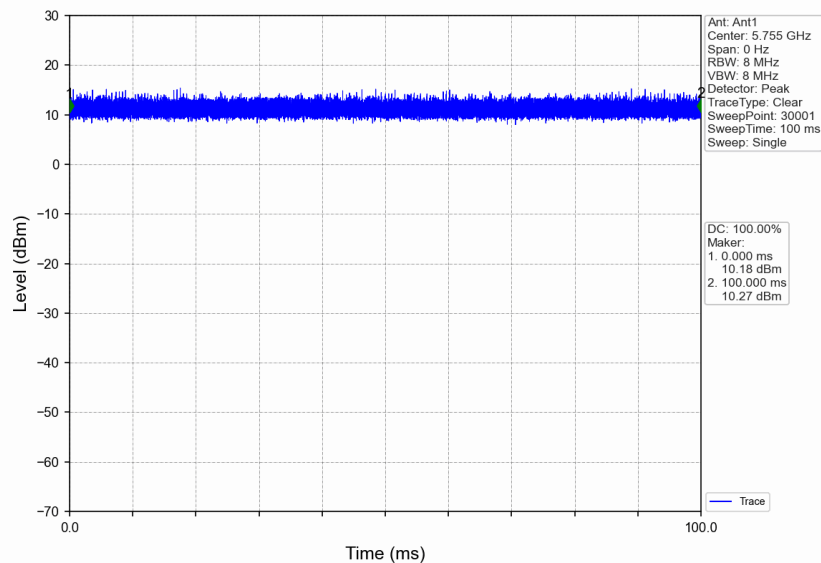
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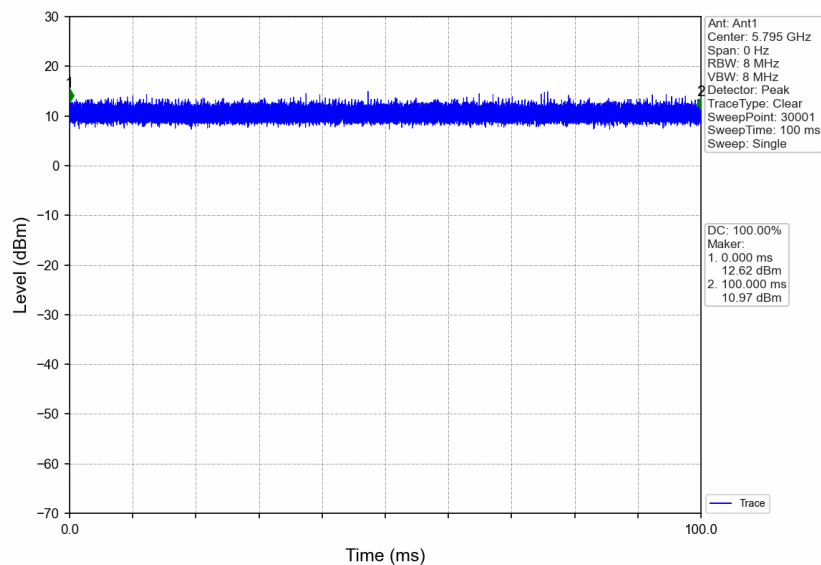
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802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



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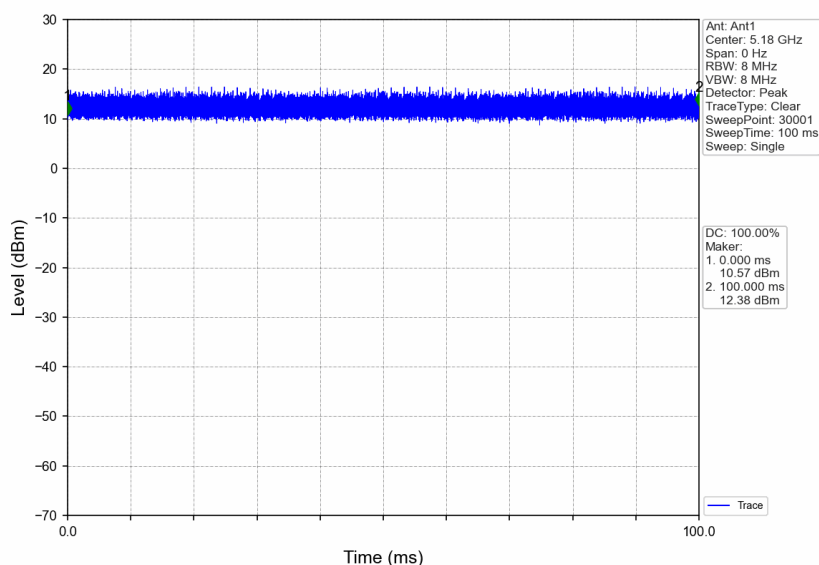
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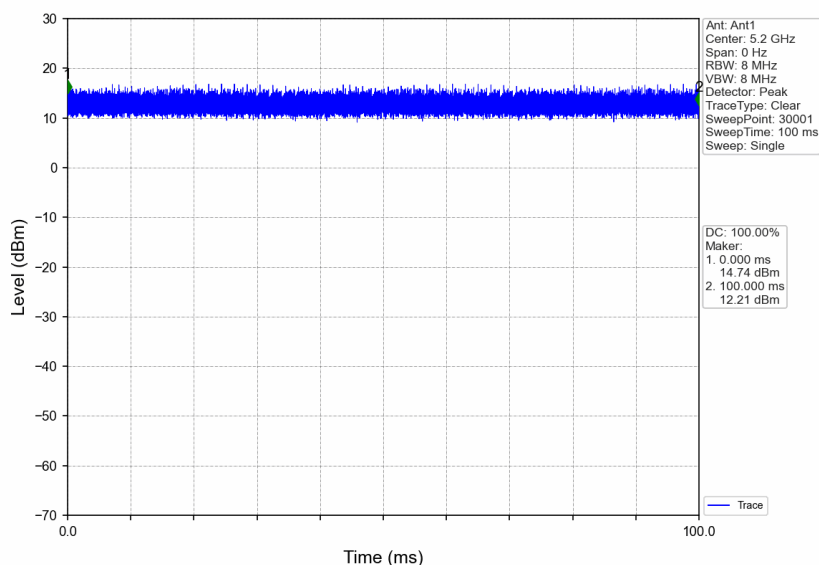
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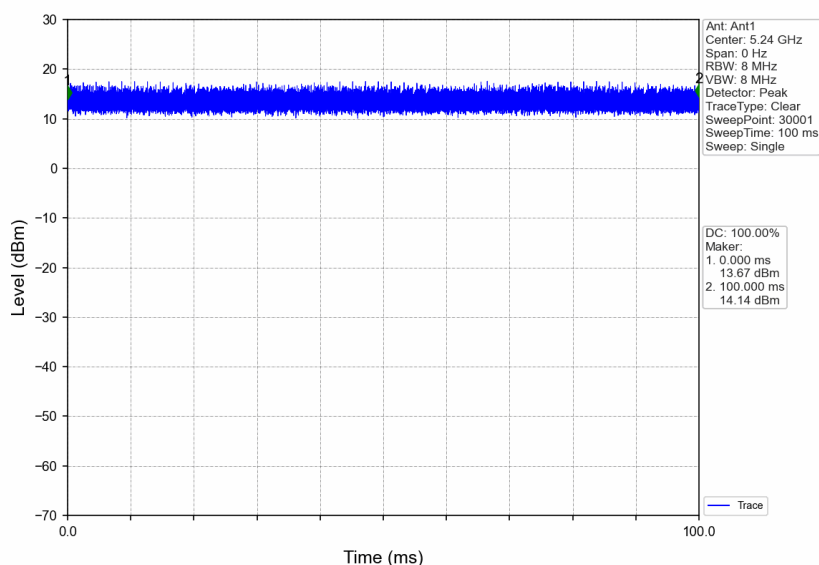
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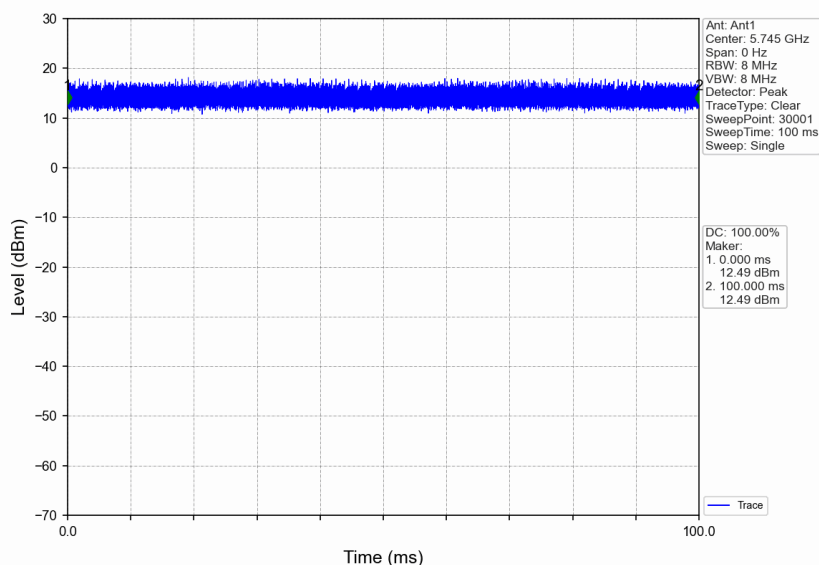
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802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



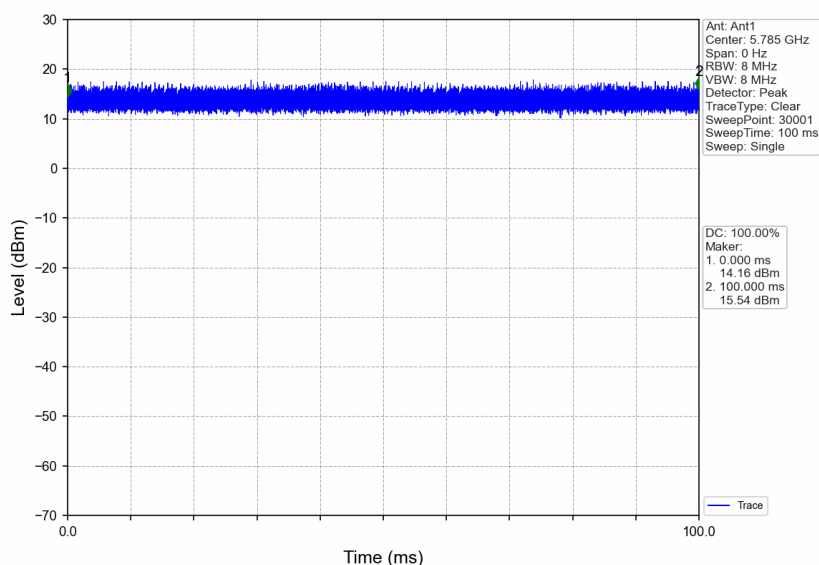
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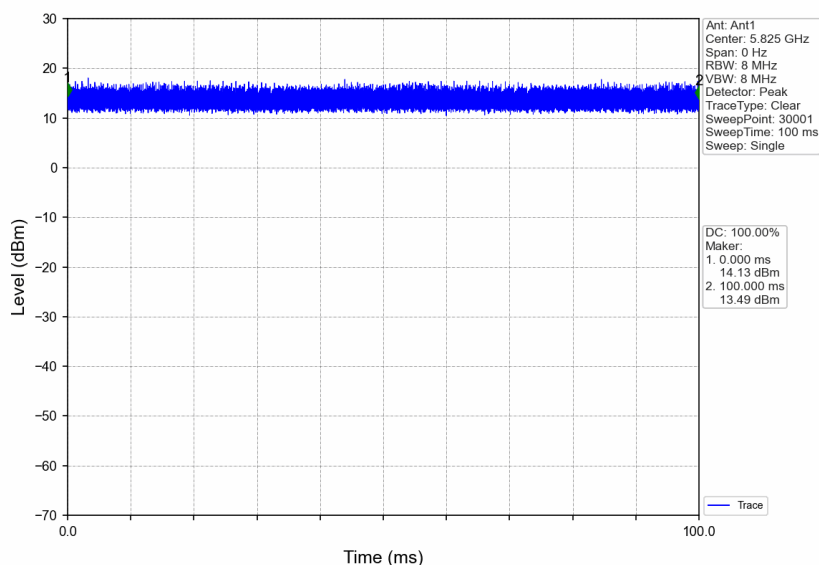
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802.11ac(VHT20) MCH 5785MHz Ant1 NTNV



802.11ac(VHT20) HCH 5825MHz Ant1 NTNV



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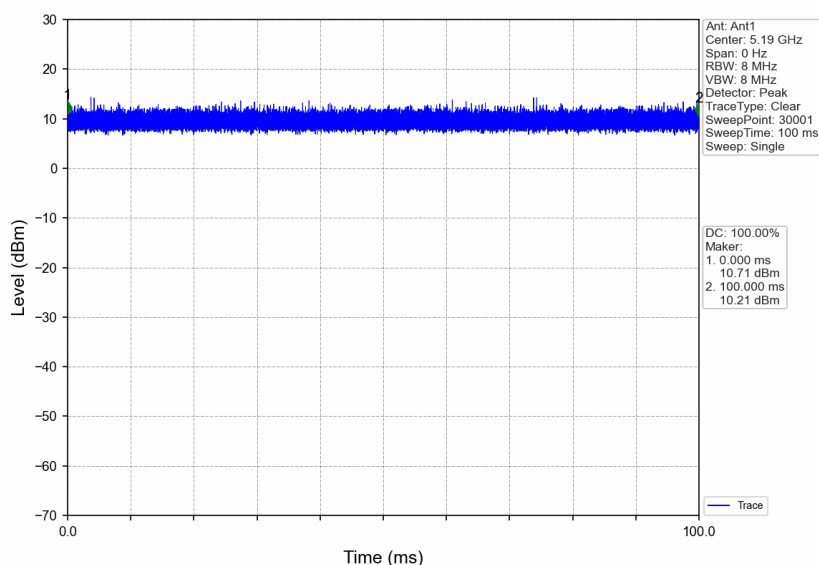
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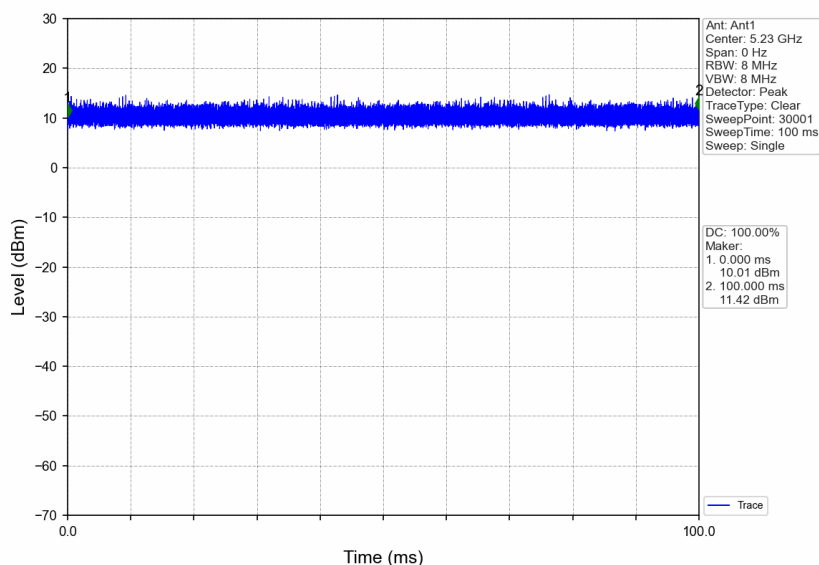
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802.11ac(VHT40) LCH 5190MHz Ant1_NTNV



802.11ac(VHT40) HCH 5230MHz Ant1_NTNV



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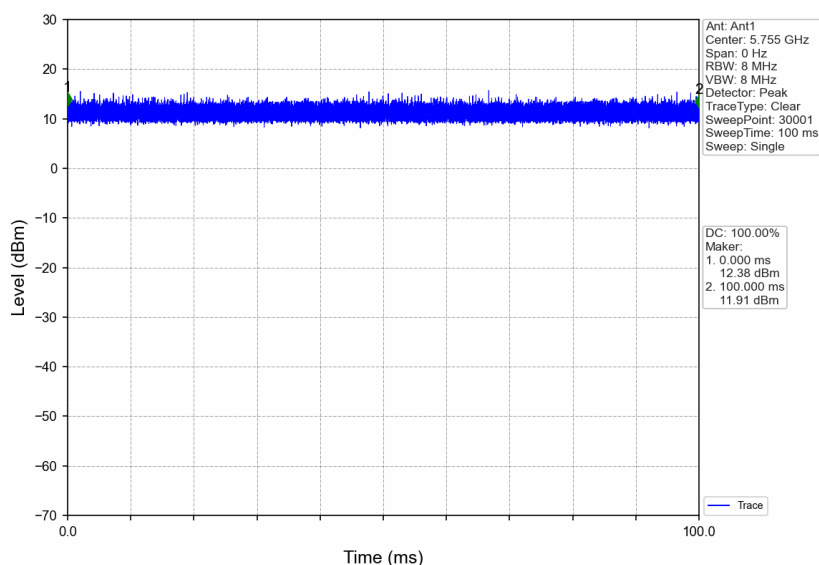
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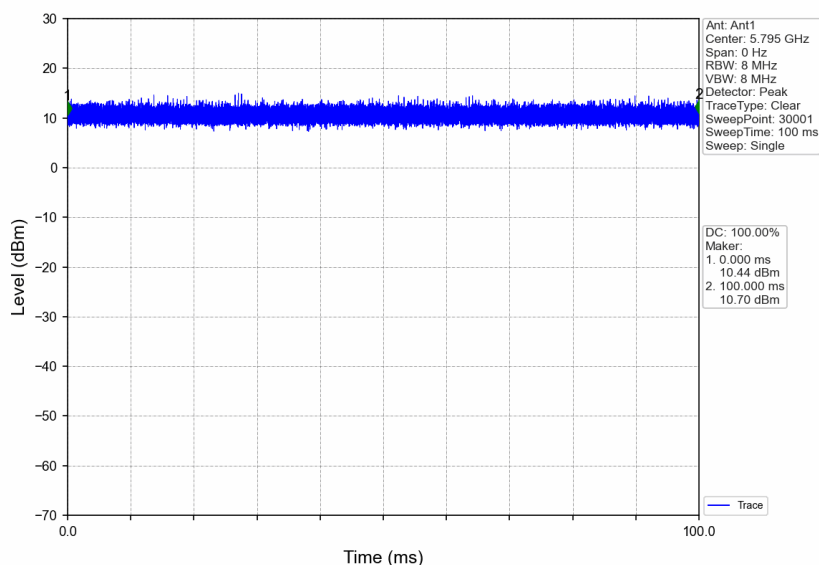
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802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



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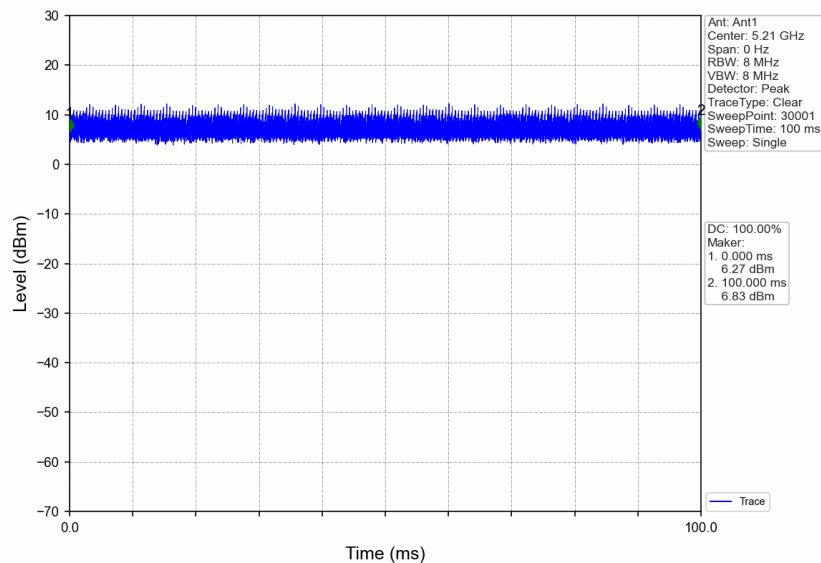
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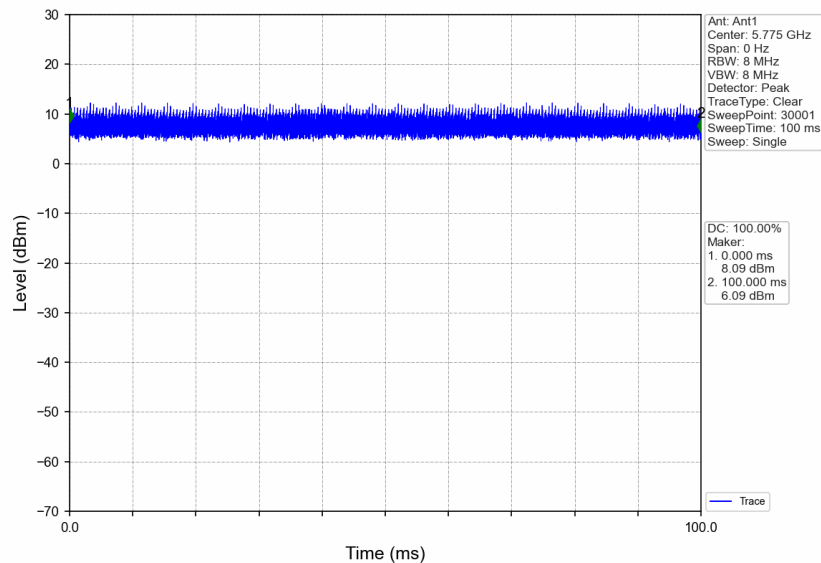
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802.11ac(VHT80) MCH 5210MHz Ant1_NTNV



802.11ac(VHT80) MCH 5775MHz 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	17.588	Pass
		5200	1	17.617	Pass
		5240	1	17.562	Pass
		5745	1	17.521	Pass
		5785	1	17.538	Pass
		5825	1	17.522	Pass
802.11n (HT20)	SISO	5180	1	18.418	Pass
		5200	1	18.442	Pass
		5240	1	18.404	Pass
		5745	1	18.424	Pass
		5785	1	18.439	Pass
		5825	1	18.428	Pass
802.11n (HT40)	SISO	5190	1	37.163	Pass
		5230	1	37.166	Pass
		5755	1	37.051	Pass
		5795	1	37.108	Pass
802.11ac (VHT20)	SISO	5180	1	18.416	Pass
		5200	1	18.423	Pass
		5240	1	18.412	Pass
		5745	1	18.429	Pass
		5785	1	18.429	Pass
		5825	1	18.431	Pass
802.11ac (VHT40)	SISO	5190	1	37.067	Pass
		5230	1	37.039	Pass
		5755	1	37.044	Pass
		5795	1	37.140	Pass
802.11ac (VHT80)	SISO	5210	1	77.432	Pass
		5775	1	76.915	Pass



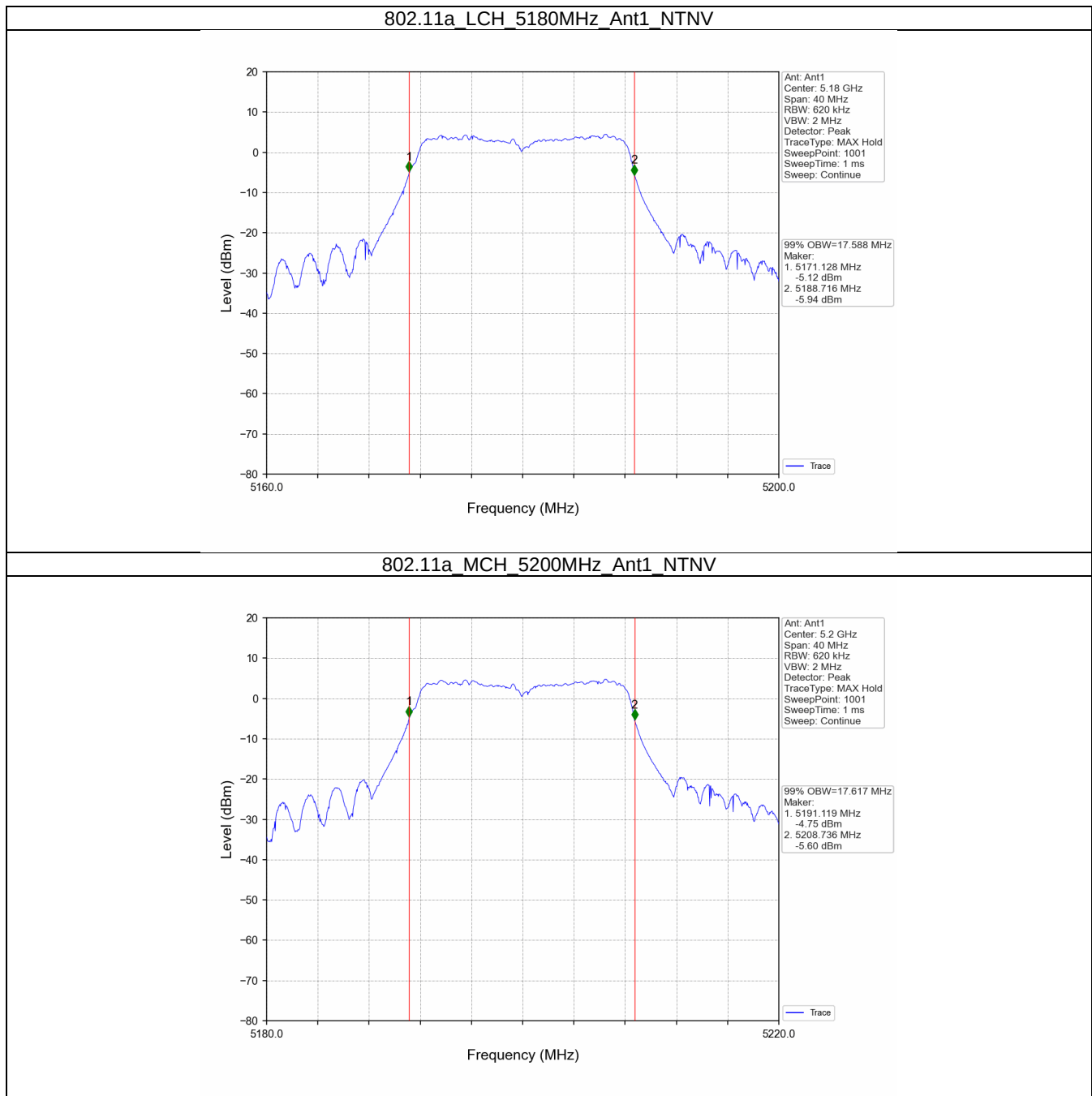
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2.1.2 Test Graph



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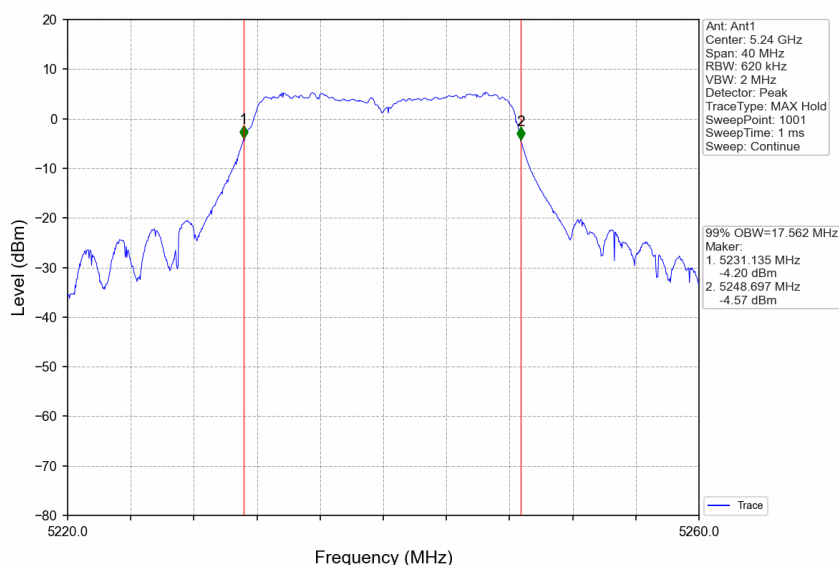
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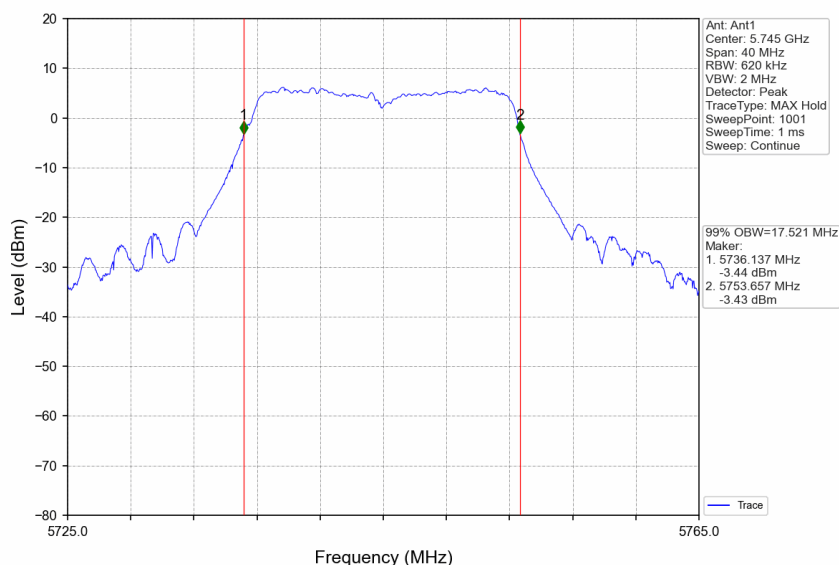
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802.11a_HCH_5240MHz_Ant1_NTNV



802.11a_LCH_5745MHz_Ant1_NTNV



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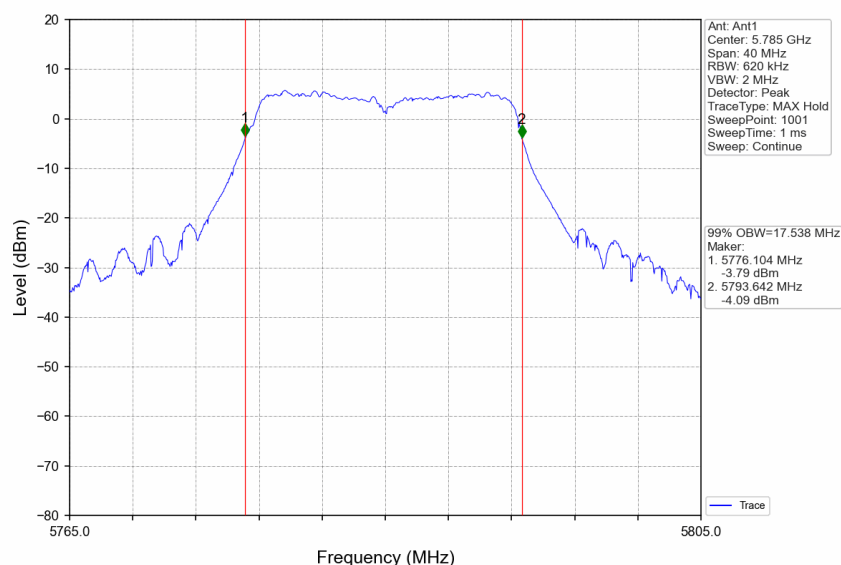
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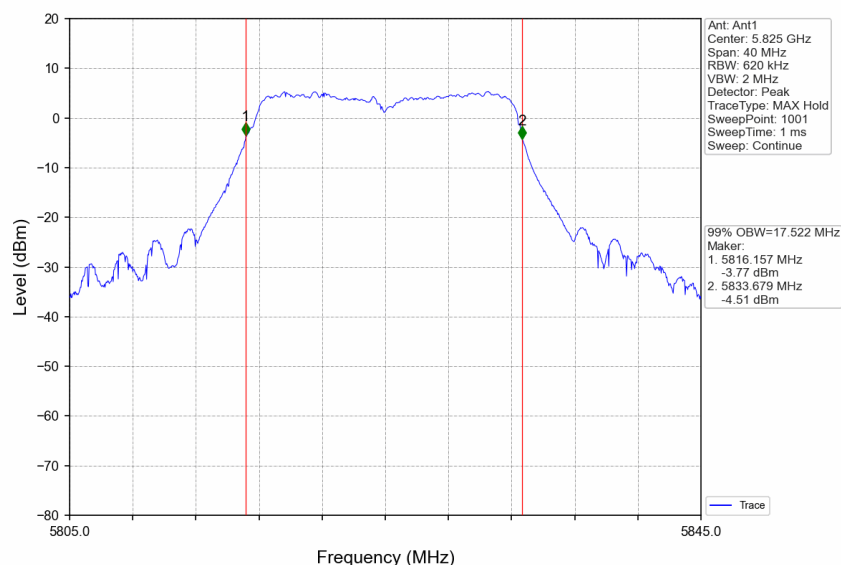
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802.11a_MCH_5785MHz_Ant1_NTNV



802.11a_HCH_5825MHz_Ant1_NTNV



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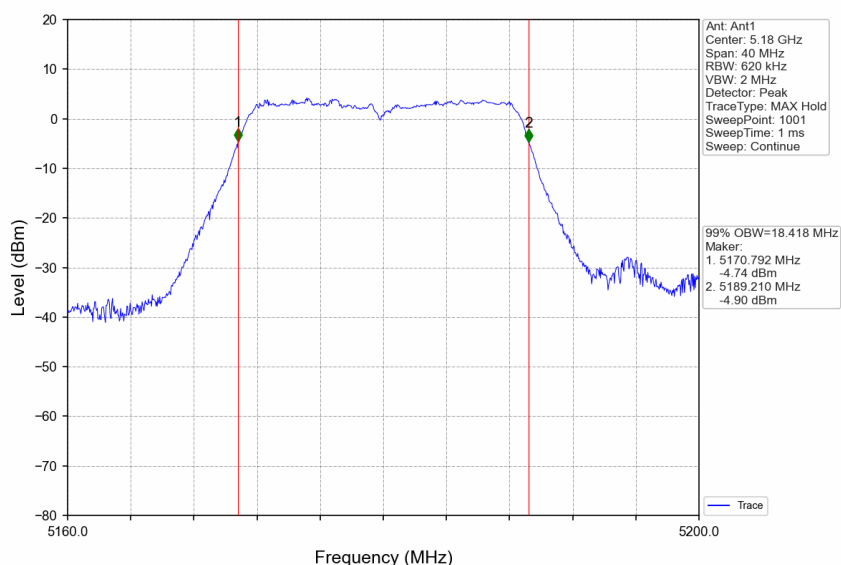
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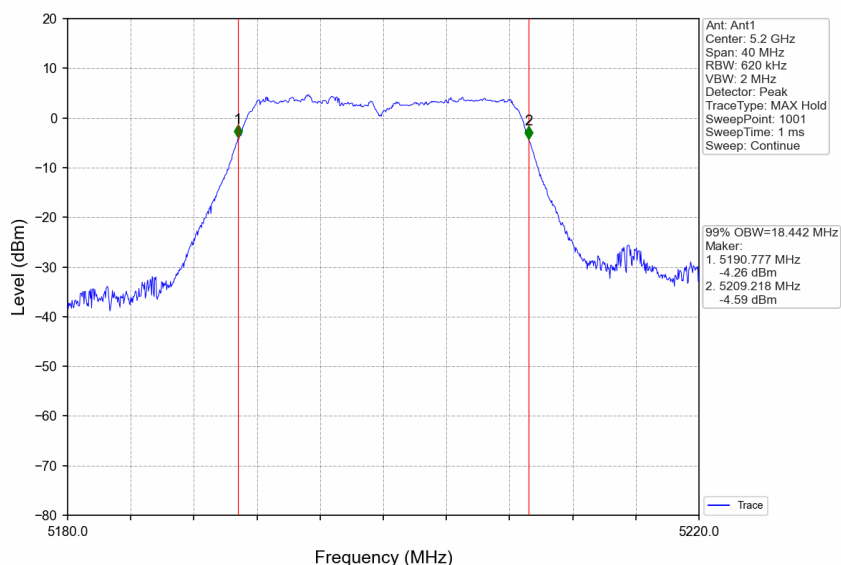
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802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



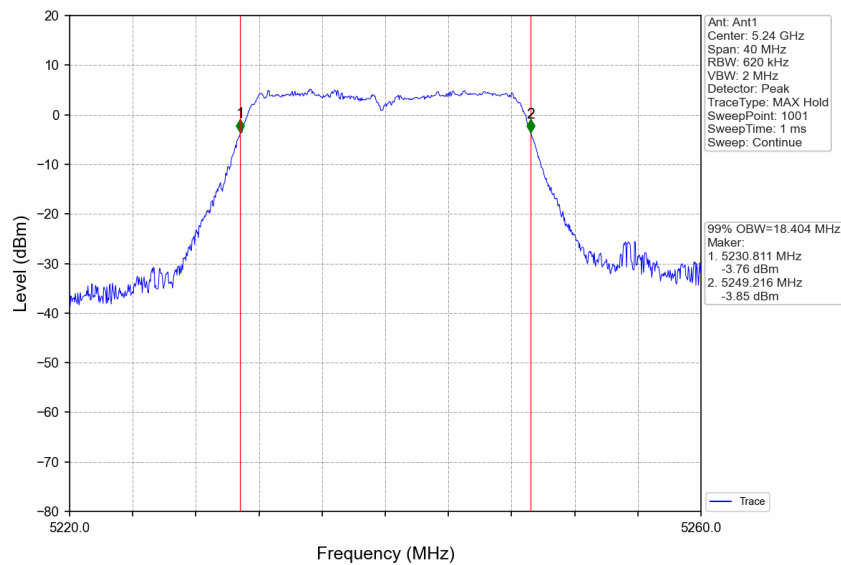
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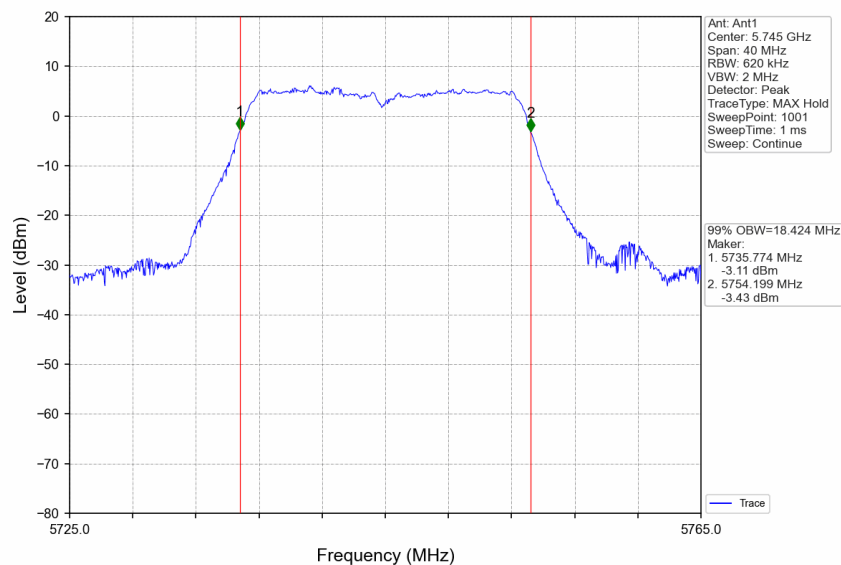
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802.11n(HT20) LCH 5745MHz Ant1 NTV



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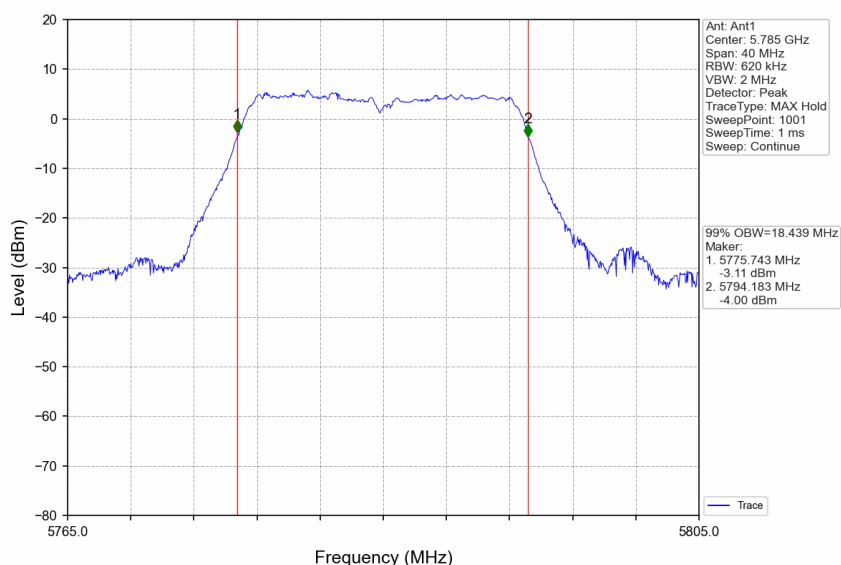
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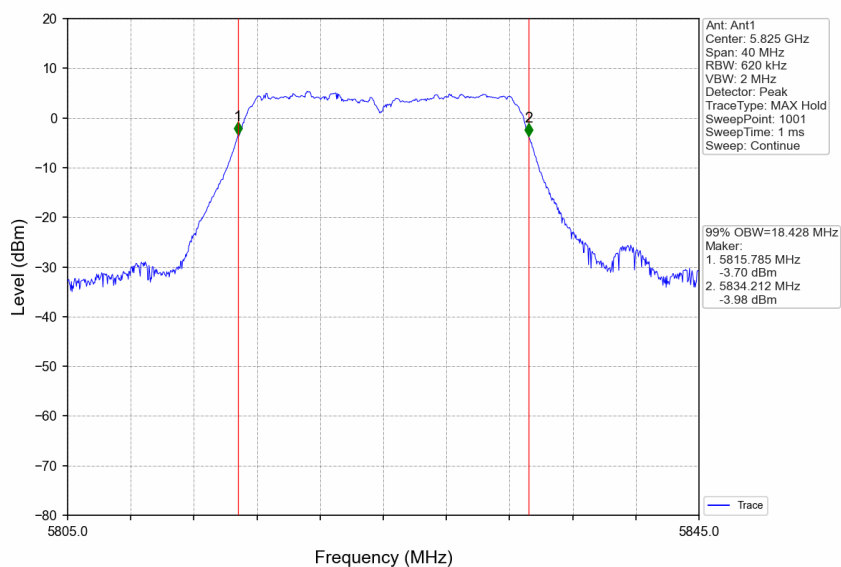
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802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



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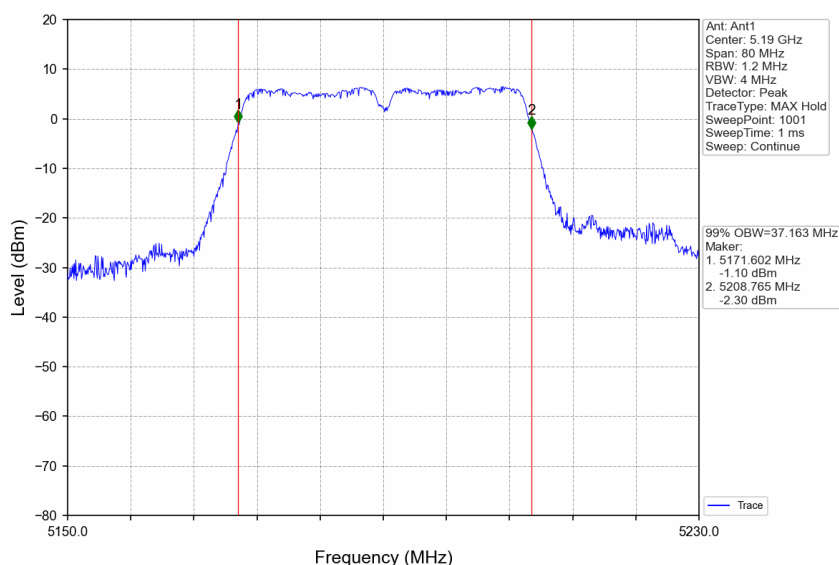
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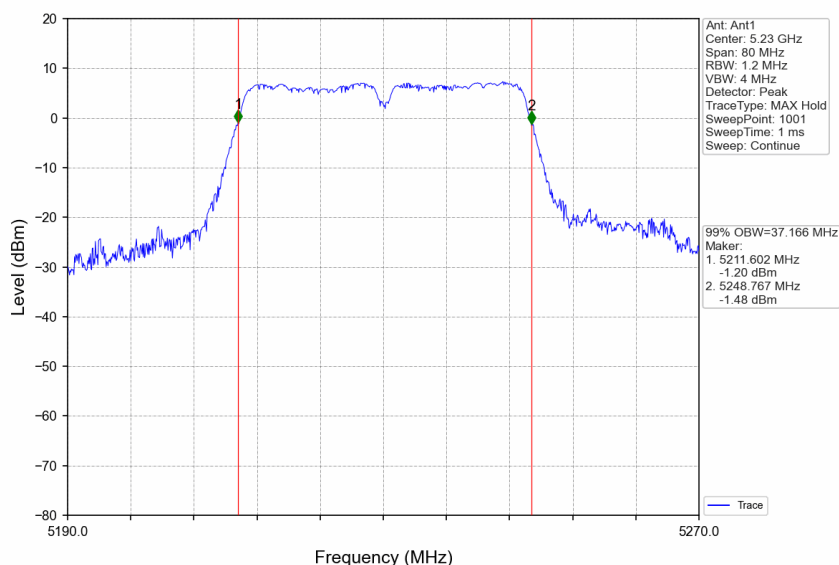
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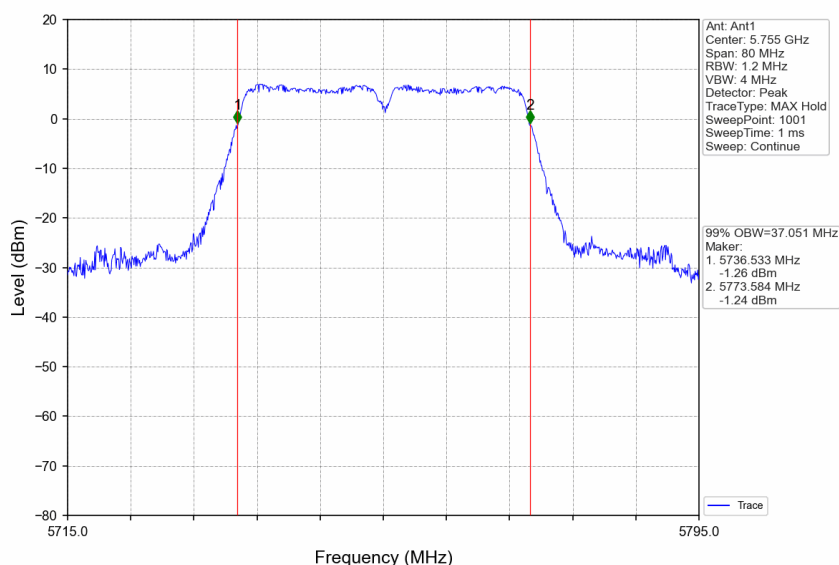
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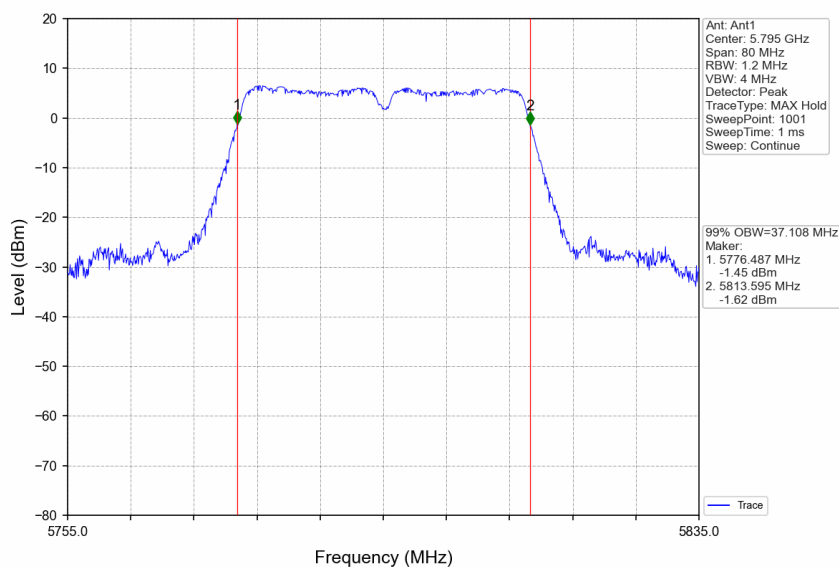
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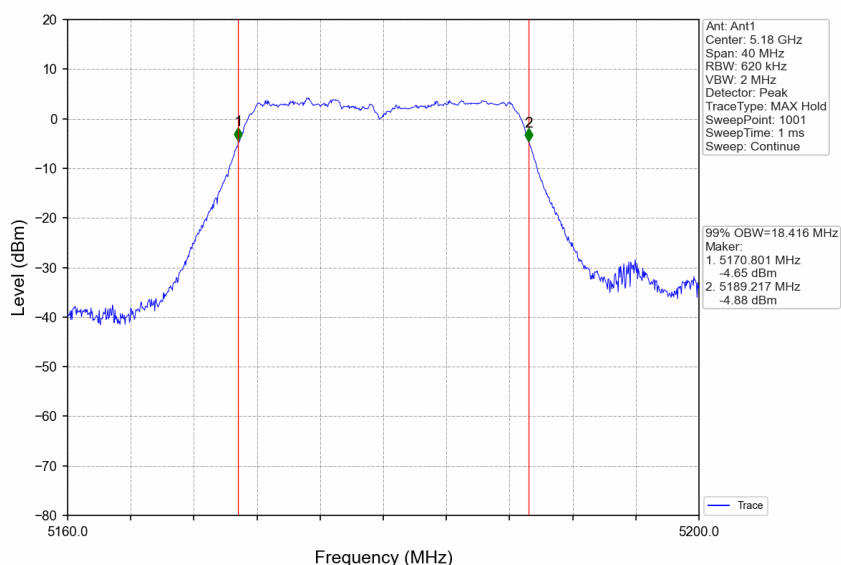
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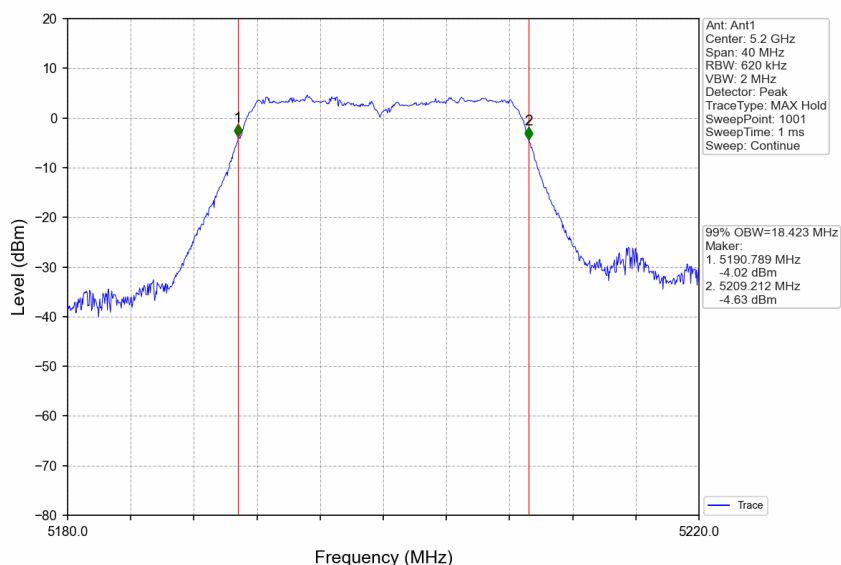
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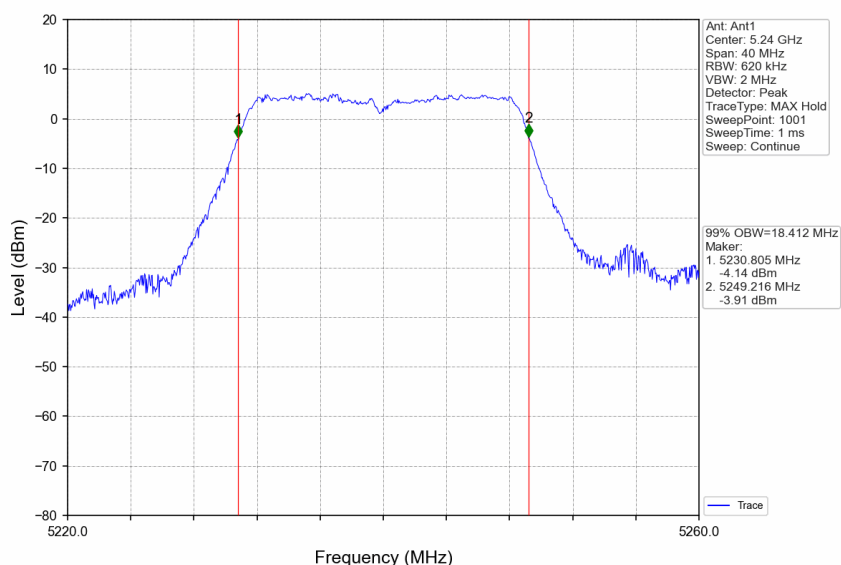
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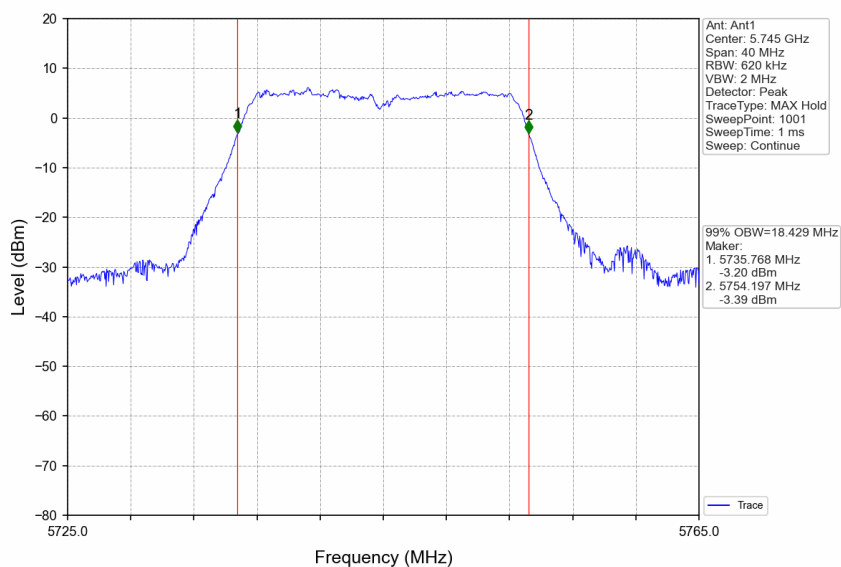
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802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



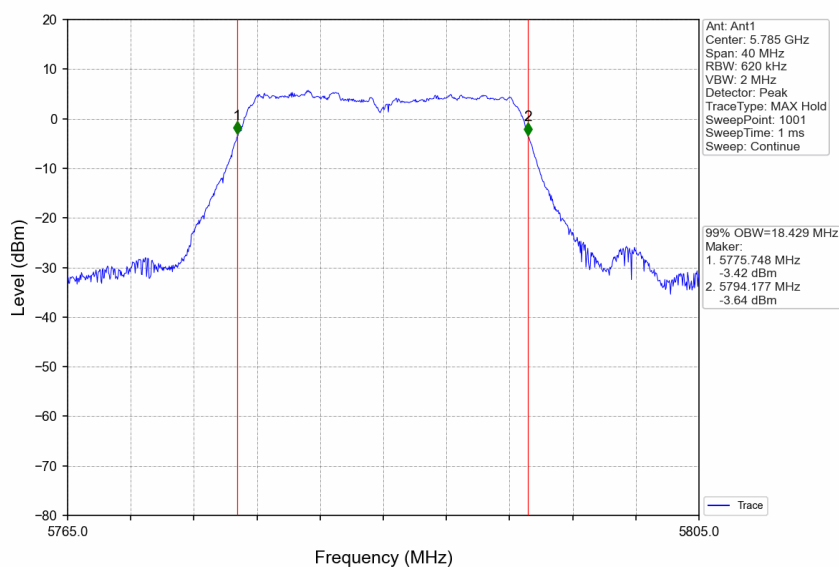
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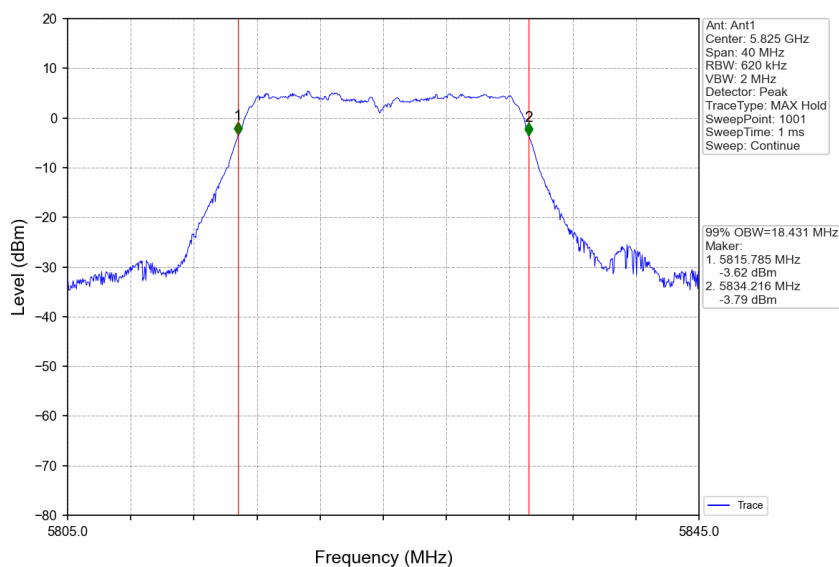
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802.11ac(VHT20) MCH_5785MHz_Ant1_NTNV



802.11ac(VHT20) HCH_5825MHz_Ant1_NTNV



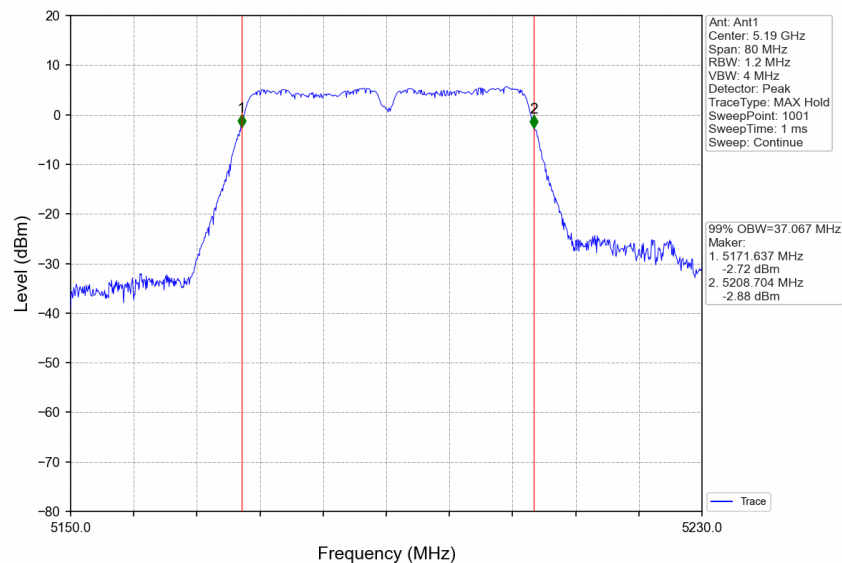
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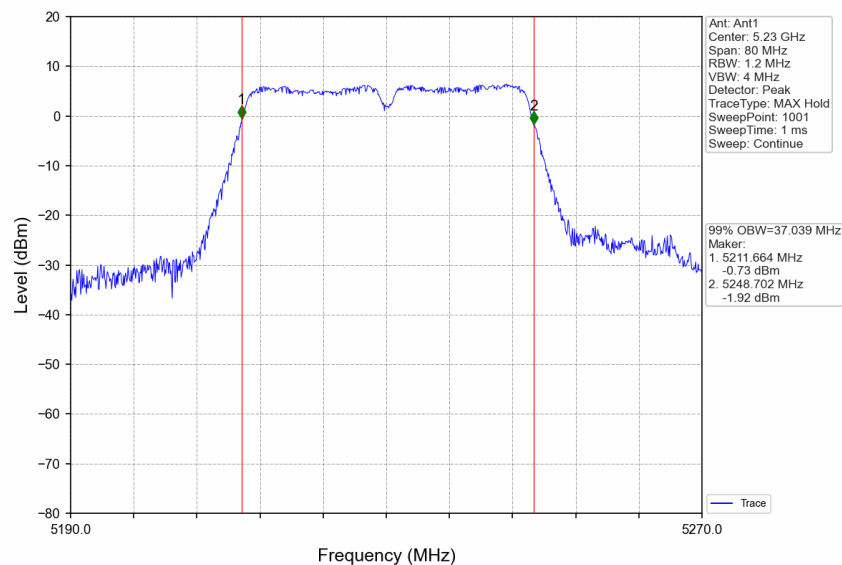
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802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



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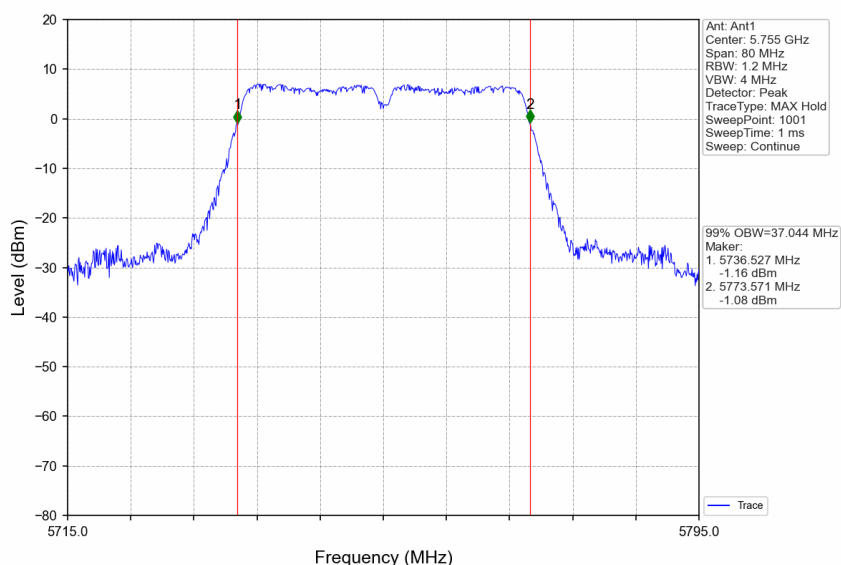
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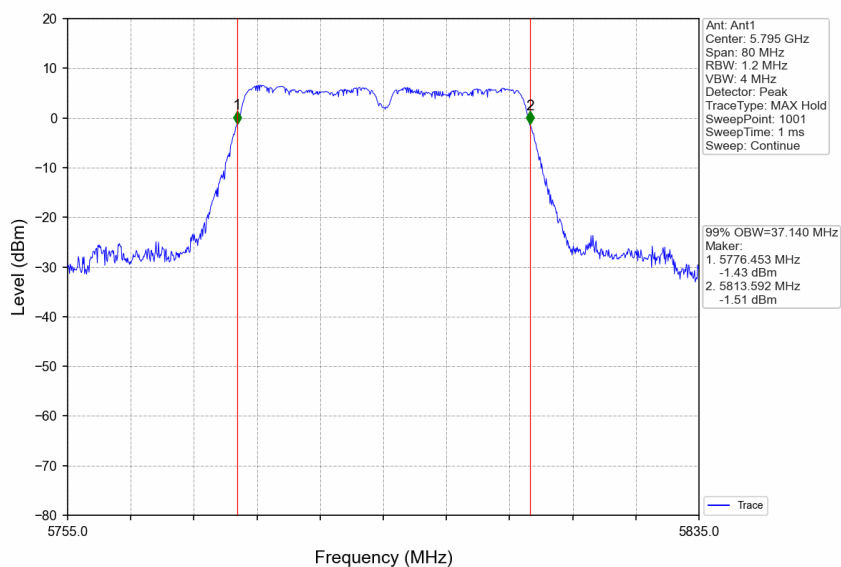
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802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



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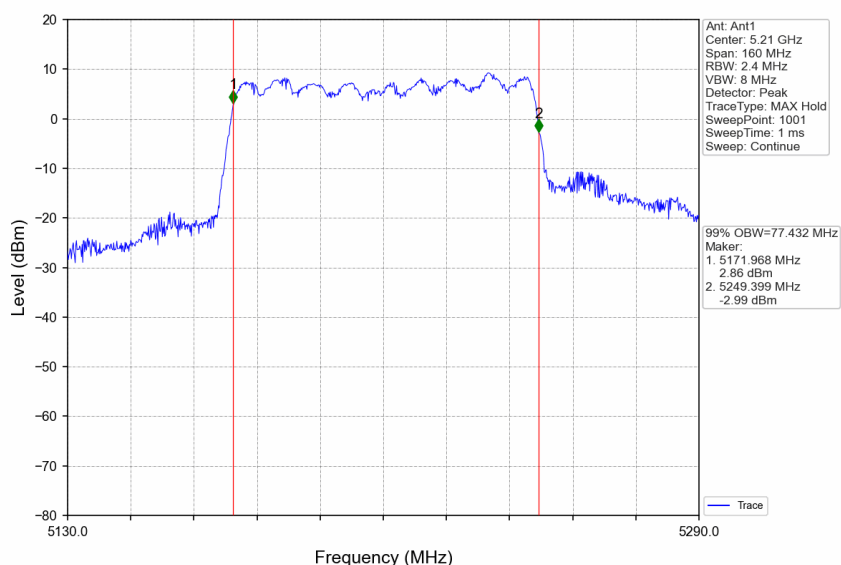
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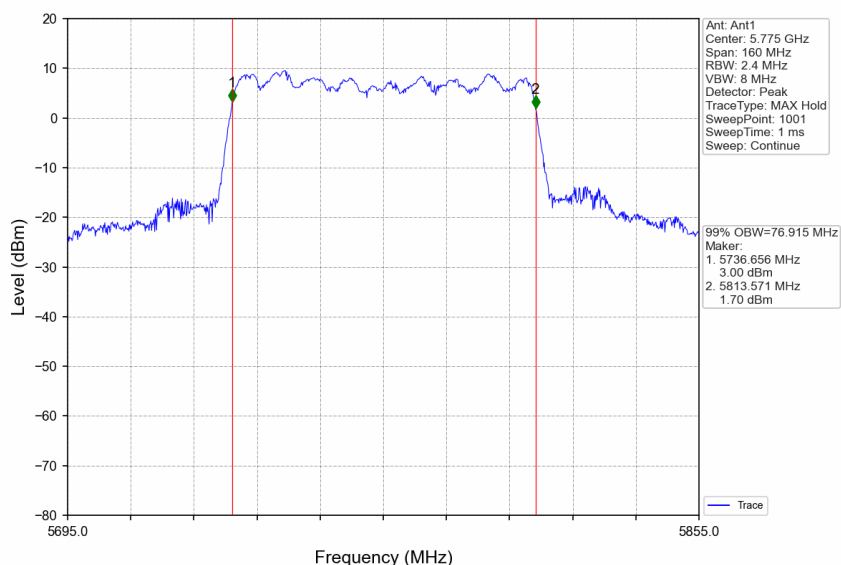
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802.11ac(VHT80) MCH 5210MHz Ant1_NTNV



802.11ac(VHT80) MCH 5775MHz Ant1_NTNV



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2.2 6dB BW

2.2.1 Test Result

Mode	TX Type	Frequency (MHz)	Ant	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5745	1	16.733	≥ 0.5	Pass
		5785	1	16.709	≥ 0.5	Pass
		5825	1	16.752	≥ 0.5	Pass
802.11n (HT20)	SISO	5745	1	17.757	≥ 0.5	Pass
		5785	1	17.773	≥ 0.5	Pass
		5825	1	17.779	≥ 0.5	Pass
802.11n (HT40)	SISO	5755	1	36.395	≥ 0.5	Pass
		5795	1	36.398	≥ 0.5	Pass
802.11ac (VHT20)	SISO	5745	1	17.708	≥ 0.5	Pass
		5785	1	17.713	≥ 0.5	Pass
		5825	1	17.758	≥ 0.5	Pass
802.11ac (VHT40)	SISO	5755	1	36.370	≥ 0.5	Pass
		5795	1	36.370	≥ 0.5	Pass
802.11ac (VHT80)	SISO	5775	1	76.466	≥ 0.5	Pass



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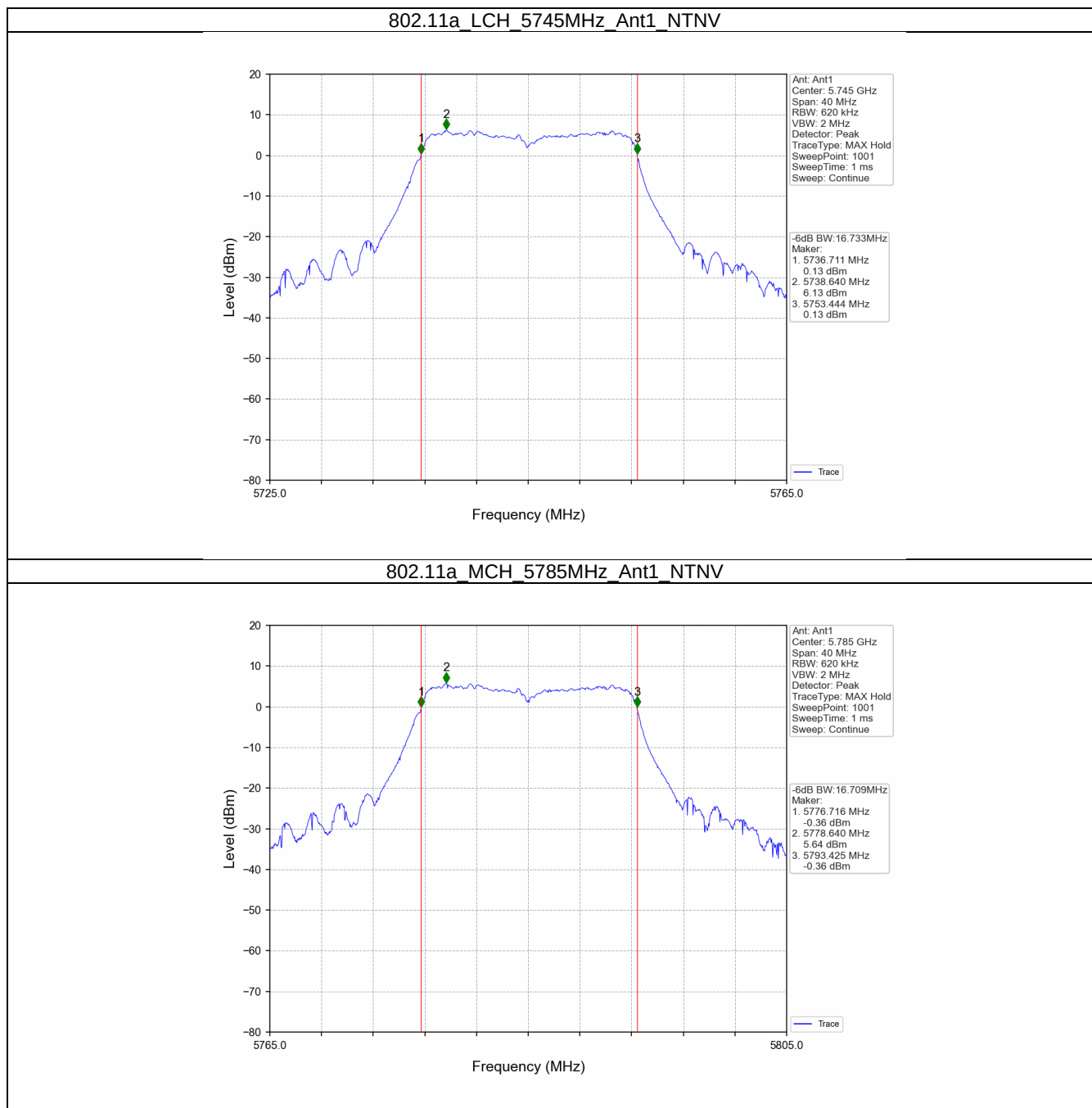
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2.2.2 Test Graph



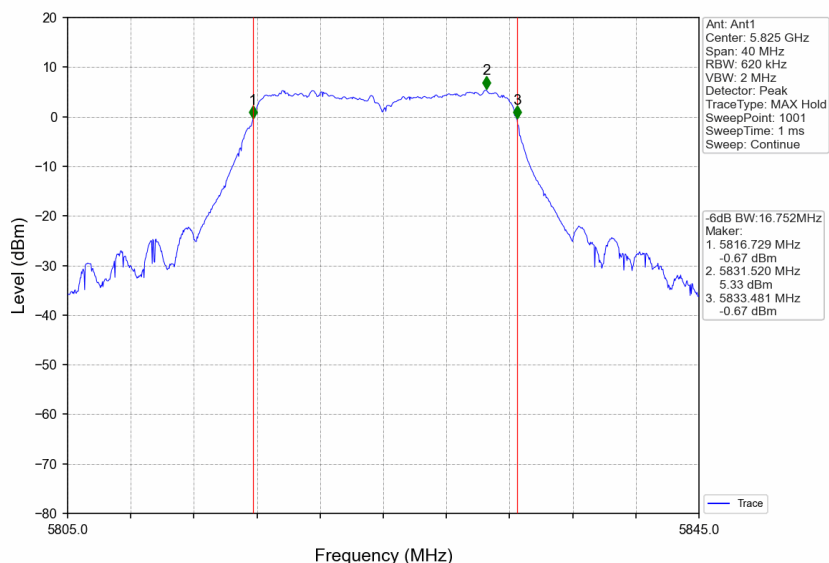
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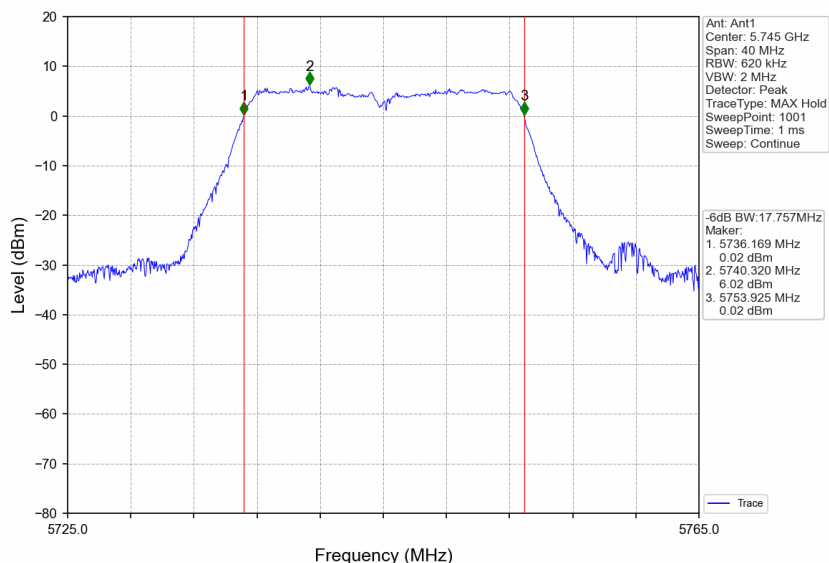
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802.11a_HCH_5825MHz_Ant1_NTNV



802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



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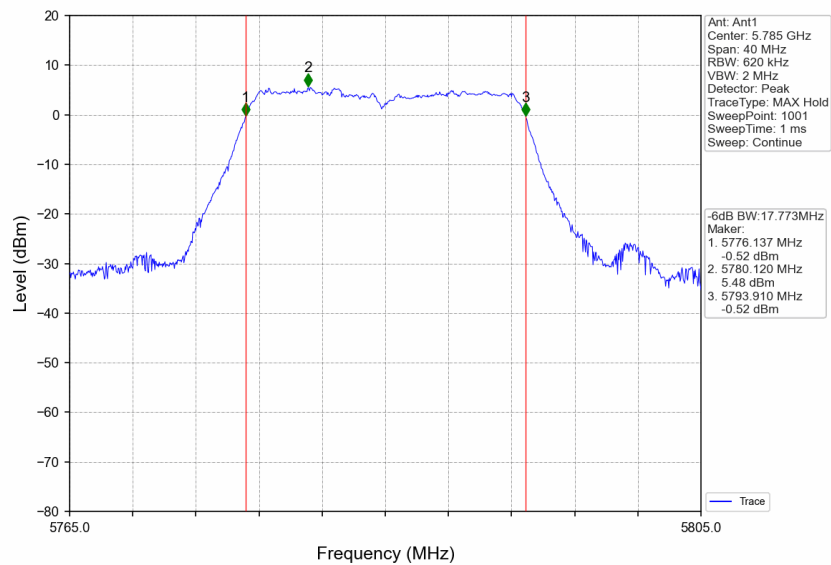
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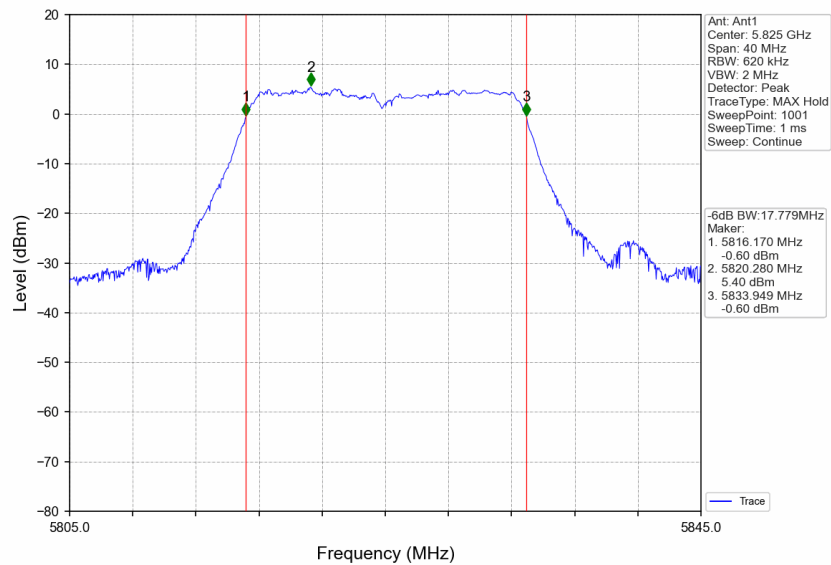
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802.11n(HT20) MCH 5785MHz Ant1 NTV



802.11n(HT20) HCH 5825MHz Ant1 NTV



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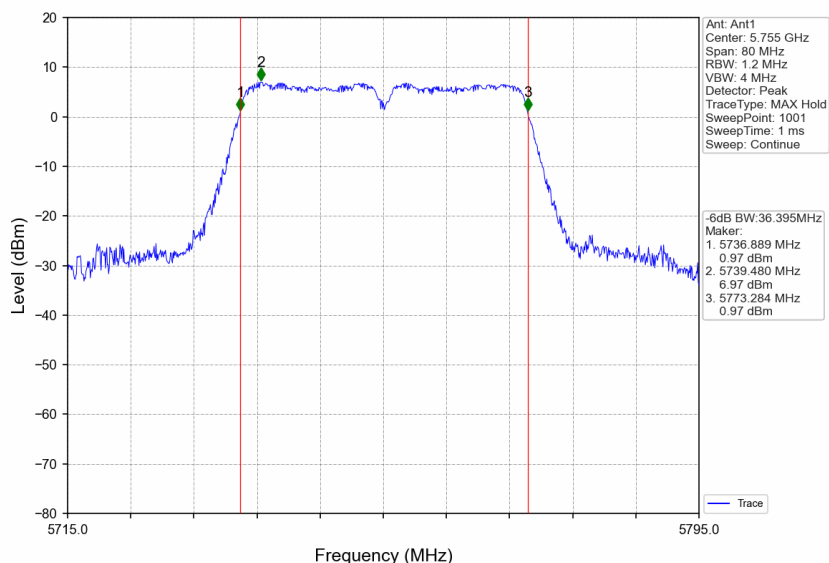
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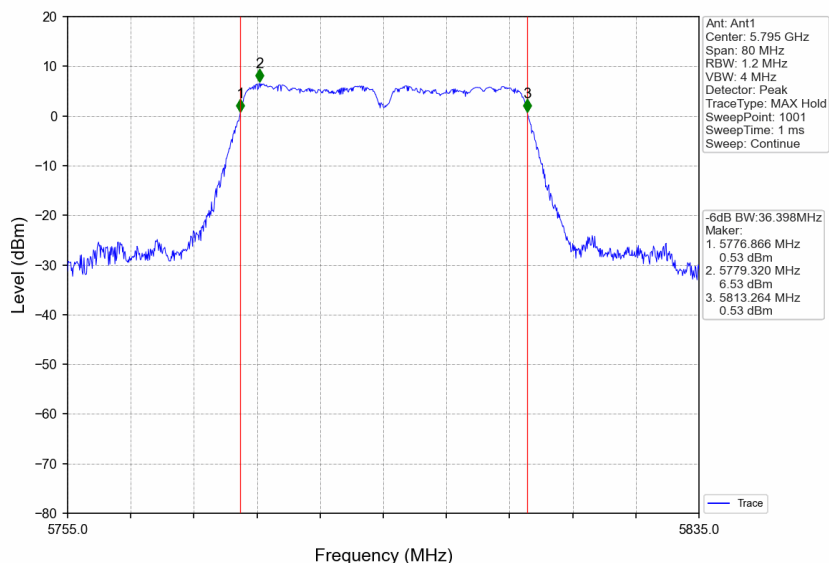
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802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



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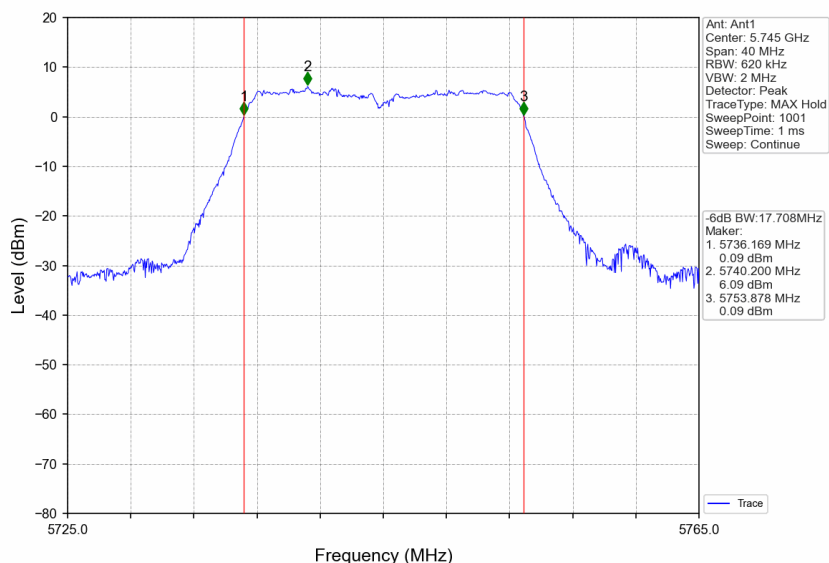
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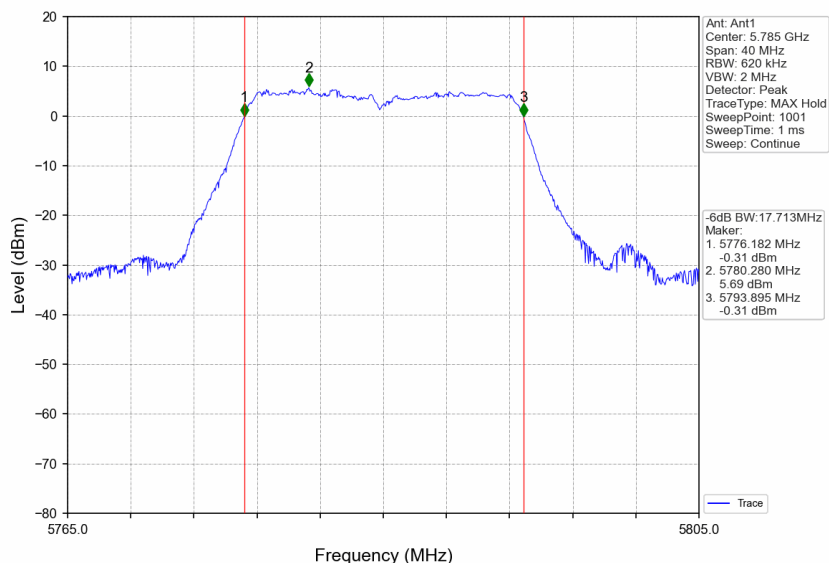
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802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



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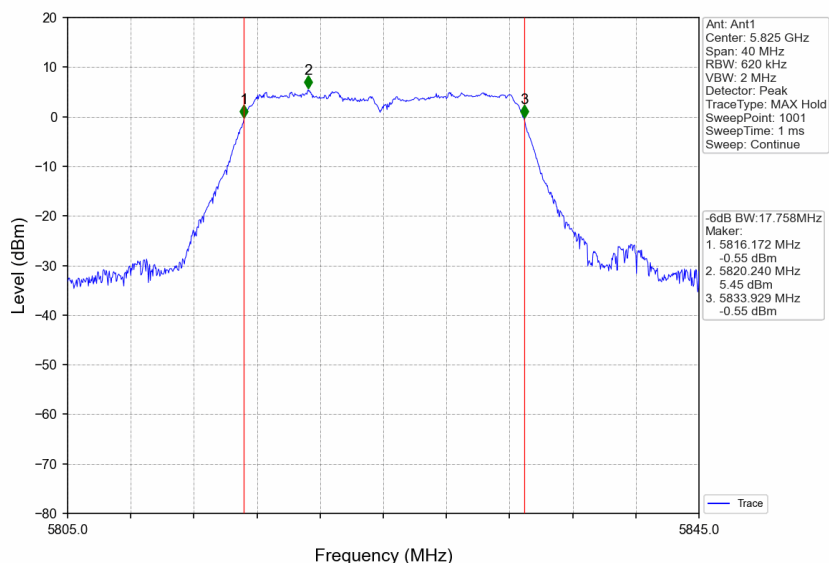
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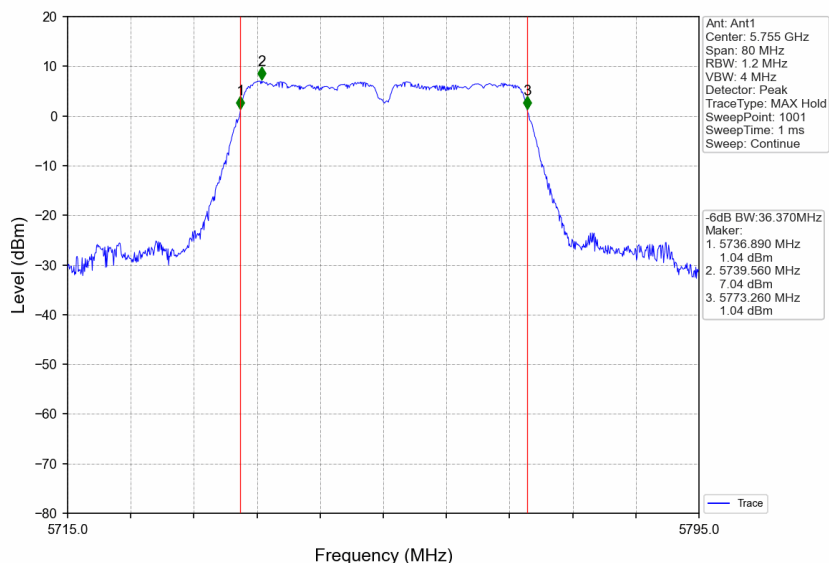
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802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



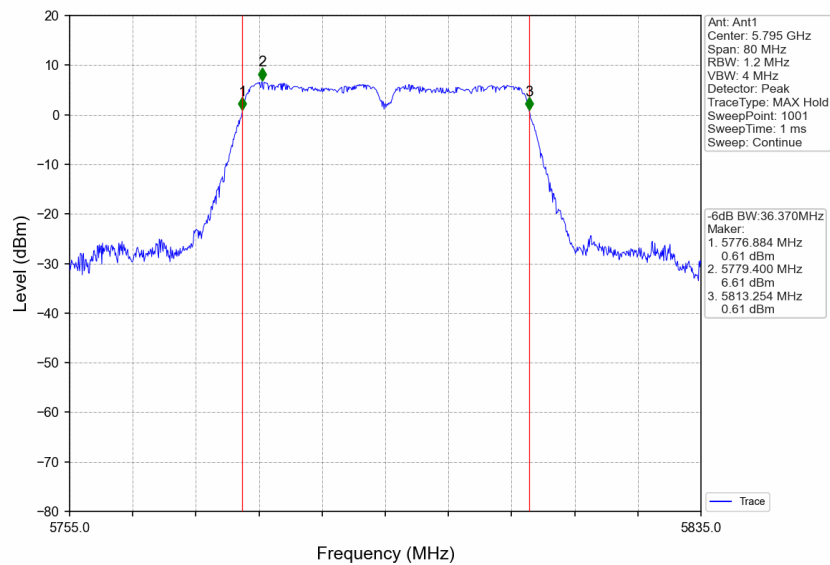
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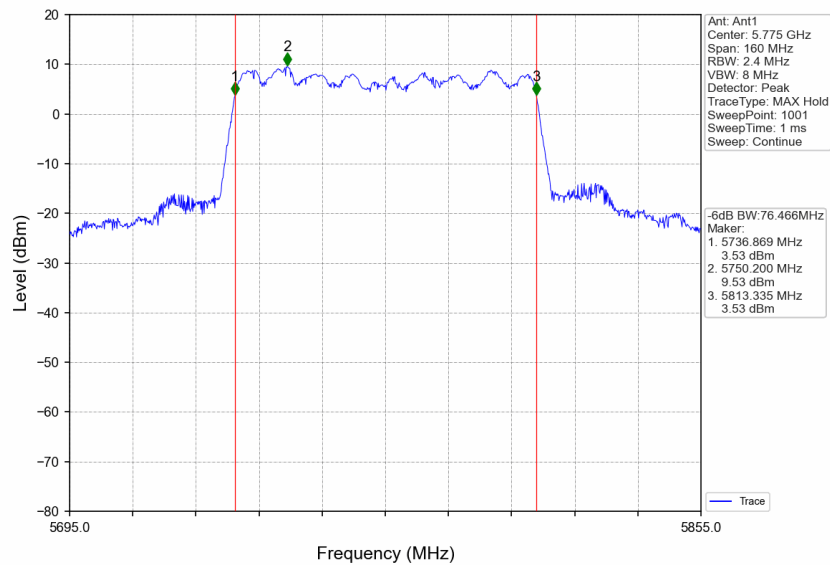
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802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



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2.3 26dB BW

2.3.1 Test Result

Mode	TX Type	Frequency (MHz)	Ant	26dB Bandwidth (MHz)	Verdict
				Result	
802.11a	SISO	5180	1	24.026	Pass
		5200	1	25.581	Pass
		5240	1	25.237	Pass
802.11n (HT20)	SISO	5180	1	22.863	Pass
		5200	1	22.926	Pass
		5240	1	22.804	Pass
802.11n (HT40)	SISO	5190	1	45.415	Pass
		5230	1	48.265	Pass
802.11ac (VHT20)	SISO	5180	1	22.828	Pass
		5200	1	22.882	Pass
		5240	1	22.867	Pass
802.11ac (VHT40)	SISO	5190	1	44.334	Pass
		5230	1	44.390	Pass
802.11ac (VHT80)	SISO	5210	1	116.468	Pass



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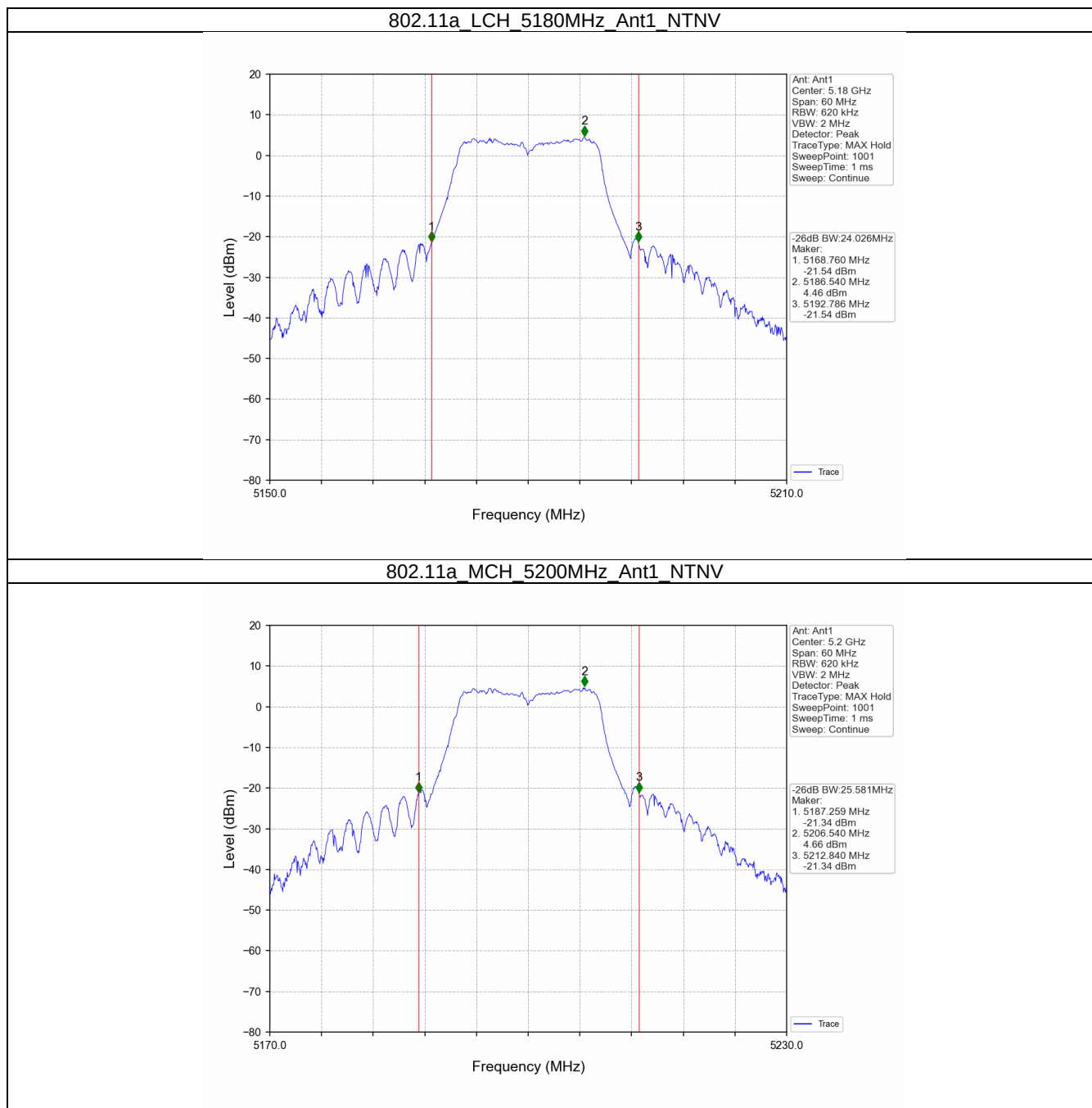
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2.3.2 Test Graph



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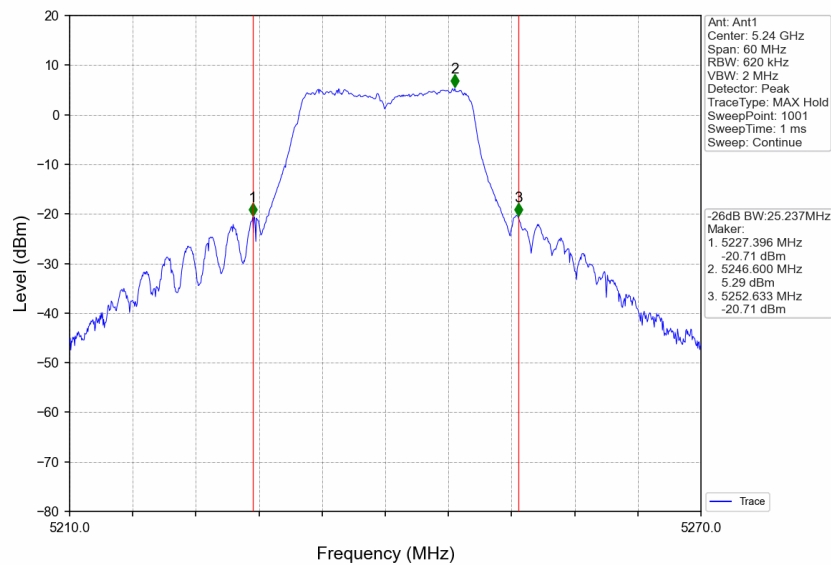
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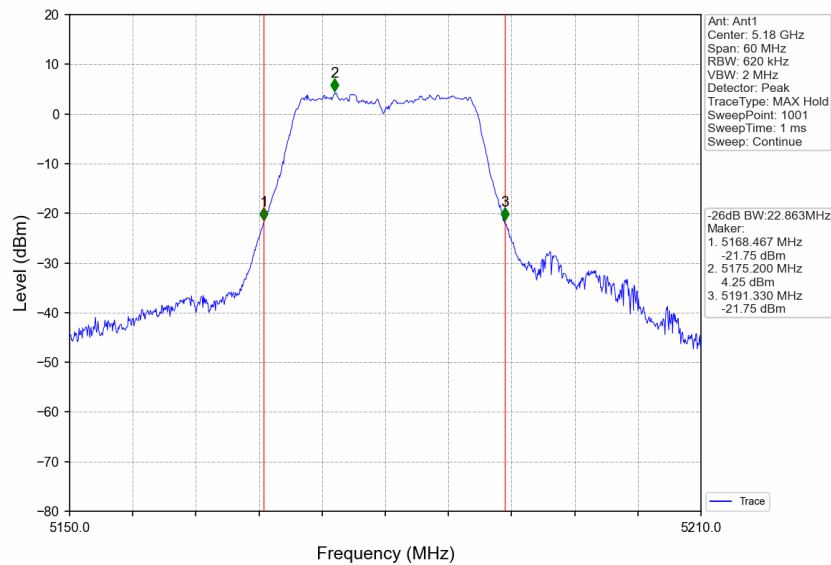
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802.11a_HCH_5240MHz_Ant1_NTNV



802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



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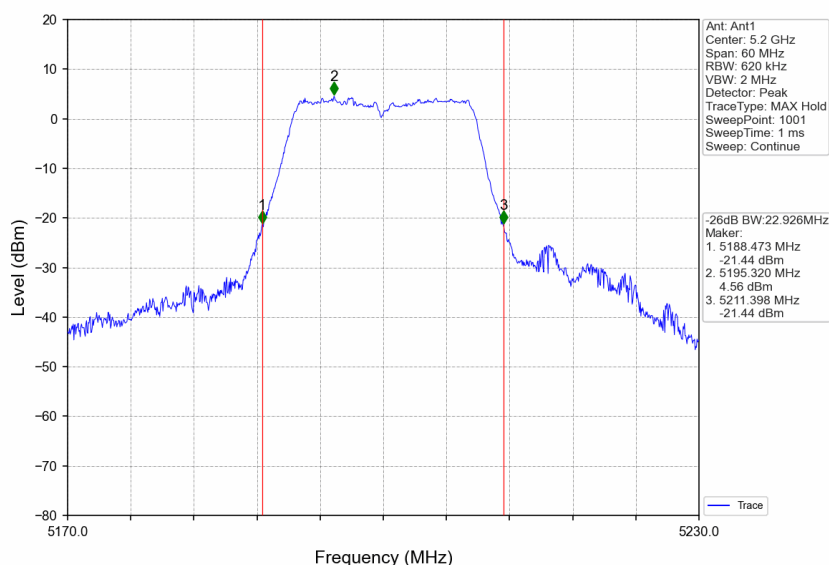
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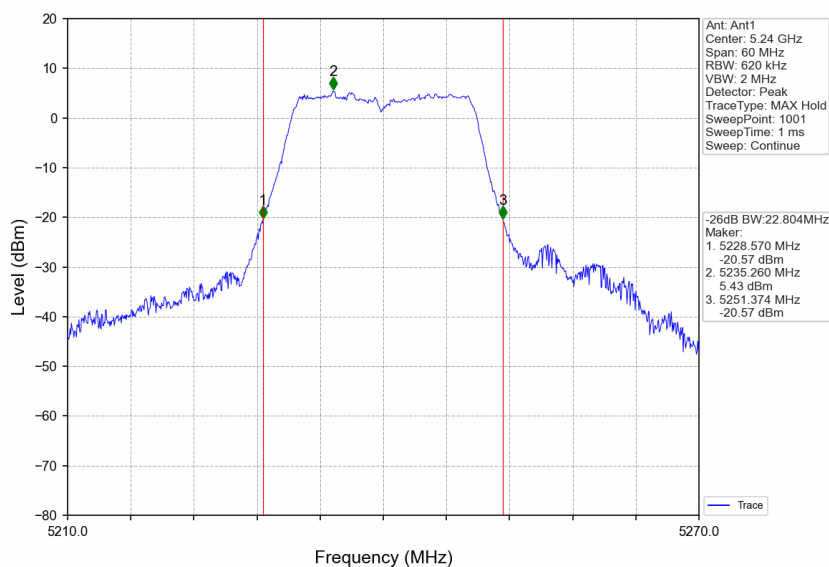
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802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



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