2. Bandwidth

2.1 OBW

2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Ant	99% Occupied Bandwidth (MHz) Result	Verdict
802.11a	SISO	5180	1	17.455	Pass
		5200	1	17.467	Pass
		5240	1	17.502	Pass
		5260	1	17.307	Pass
		5300	1	17.460	Pass
		5320	1	17.484	Pass
		5500	1	17.401	Pass
		5580	1	17.399	Pass
		5700	1	17.515	Pass
		5745	1	17.487	Pass
		5785	1	17.319	Pass
		5825	1	17.513	Pass
802.11n (HT20)	SISO	5180	1	18.357	Pass
		5200	1	18.347	Pass
		5240	1	18.345	Pass
		5260	1	18.349	Pass
		5300	1	18.339	Pass
		5320	1	18.345	Pass
		5500	1	18.371	Pass
		5580	1	18.578	Pass
		5700	1	18.363	Pass
		5745	1	18.368	Pass
		5785	1	18.406	Pass
		5825	1	18.641	Pass
802.11n (HT40)	SISO	5190	1	36.835	Pass
		5230	1	36.897	Pass
		5270	1	36.869	Pass
		5310	1	36.848	Pass
		5510	1	36.873	Pass
		5550	1	37.083	Pass
		5670	1	37.005	Pass
		5755	1	36.933	Pass
		5795	1	36.828	Pass

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802.11ac (VHT20)	SISO	5180	1	18.340	Pass
		5200	1	18.380	Pass
		5240	1	18.349	Pass
		5260	1	18.326	Pass
		5300	1	18.386	Pass
		5320	1	18.388	Pass
		5500	1	18.354	Pass
		5580	1	18.533	Pass
		5700	1	18.372	Pass
		5745	1	18.383	Pass
		5785	1	18.410	Pass
		5825	1	18.579	Pass
802.11ac (VHT40)	SISO	5190	1	36.887	Pass
		5230	1	36.915	Pass
		5270	1	36.818	Pass
		5310	1	36.841	Pass
		5510	1	36.863	Pass
		5550	1	37.025	Pass
		5670	1	36.991	Pass
		5755	1	36.963	Pass
		5795	1	36.885	Pass
802.11ac (VHT80)	SISO	5210	1	76.295	Pass
		5290	1	76.103	Pass
		5530	1	76.206	Pass
		5610	1	76.242	Pass
		5775	1	76.252	Pass

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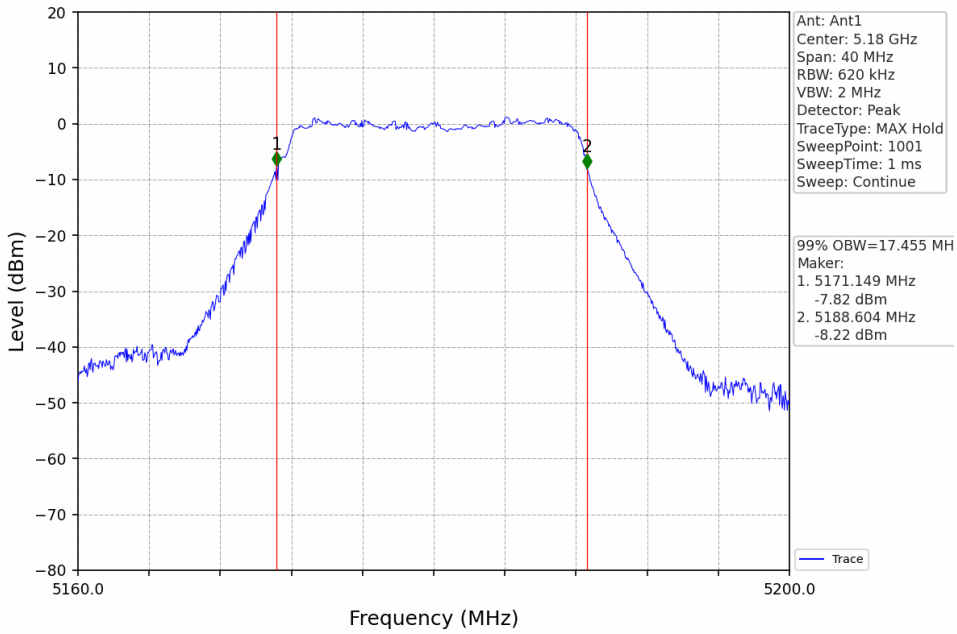
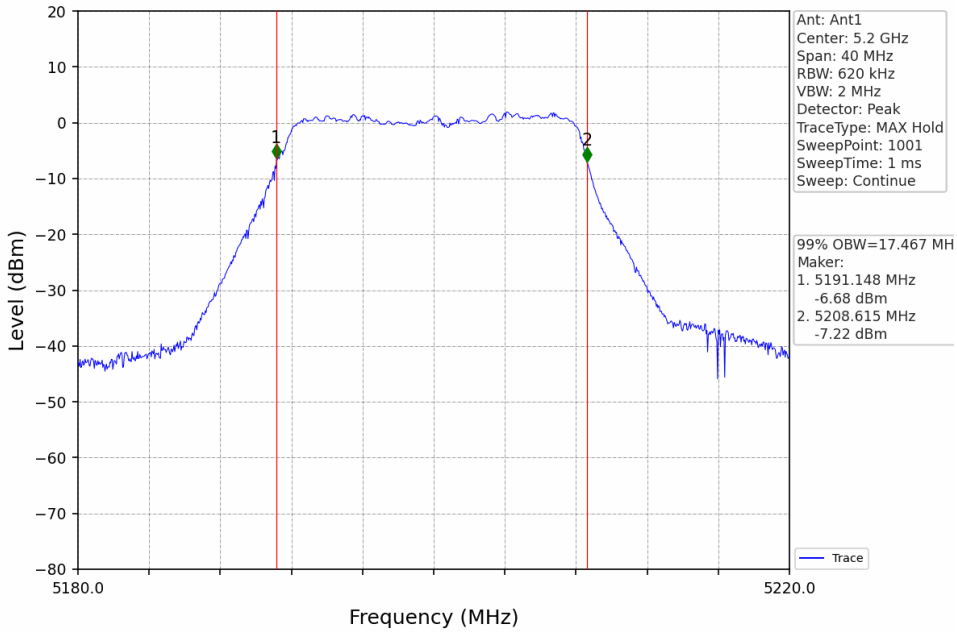
2.1.2 Test Graph

802.11a_LCH_5180MHz_Ant1_NTNV



802.11a_MCH_5200MHz_Ant1_NTNV



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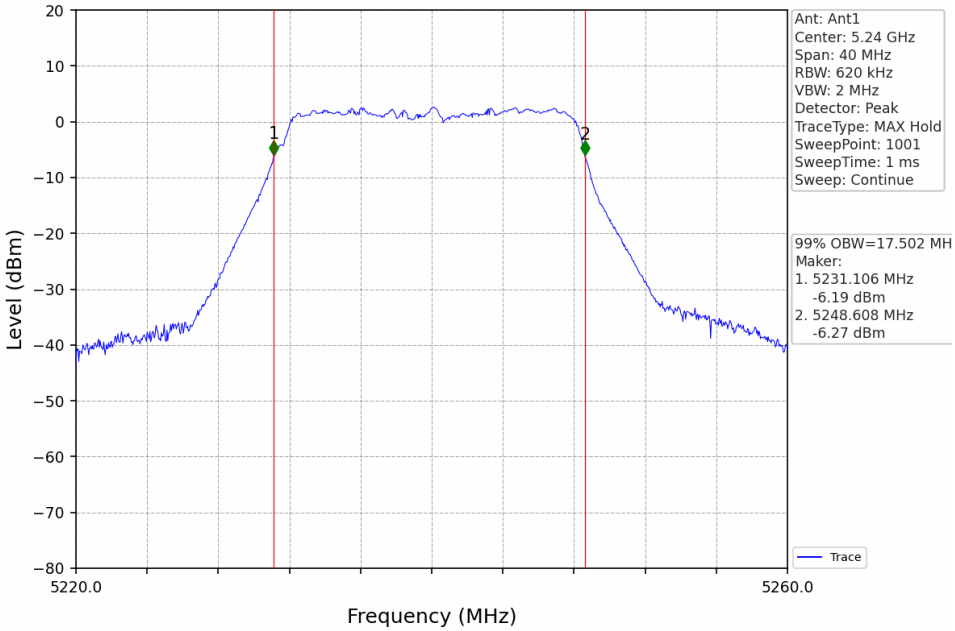
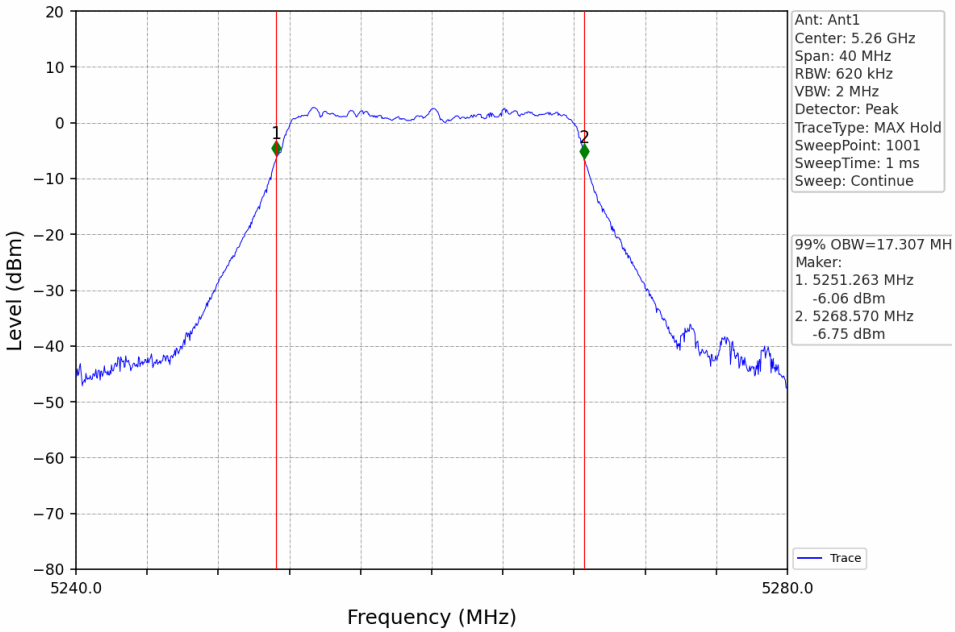
802.11a_HCH_5240MHz_Ant1_NTNV



802.11a_LCH_5260MHz_Ant1_NTNV



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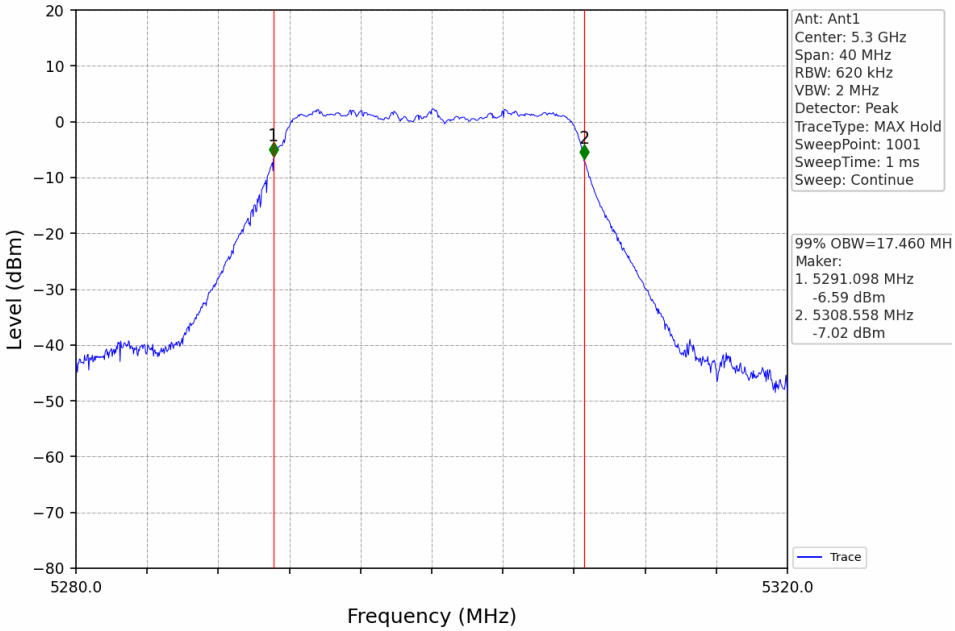
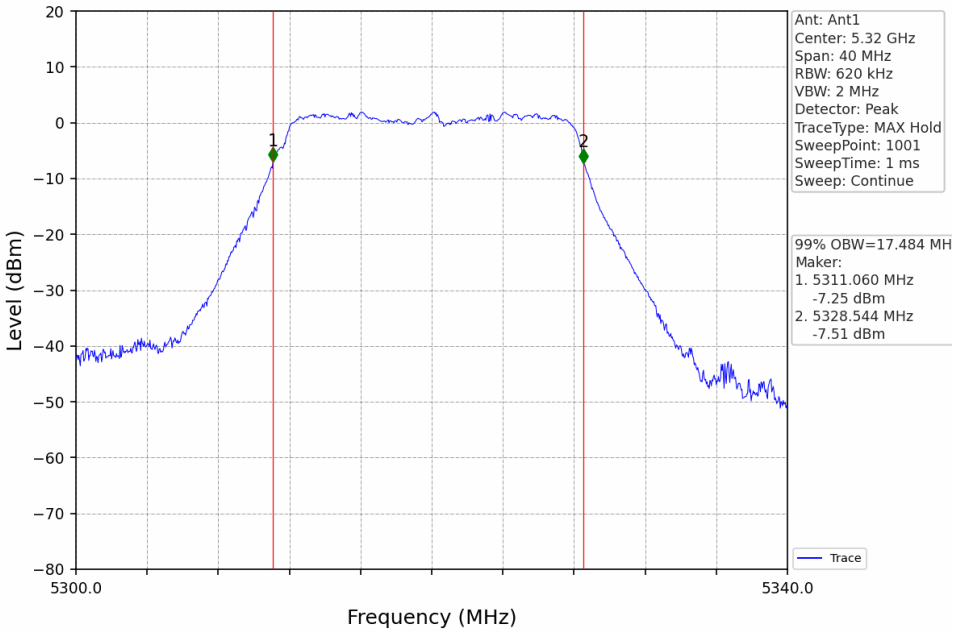
802.11a_MCH_5300MHz_Ant1_NTNV



802.11a_HCH_5320MHz_Ant1_NTNV



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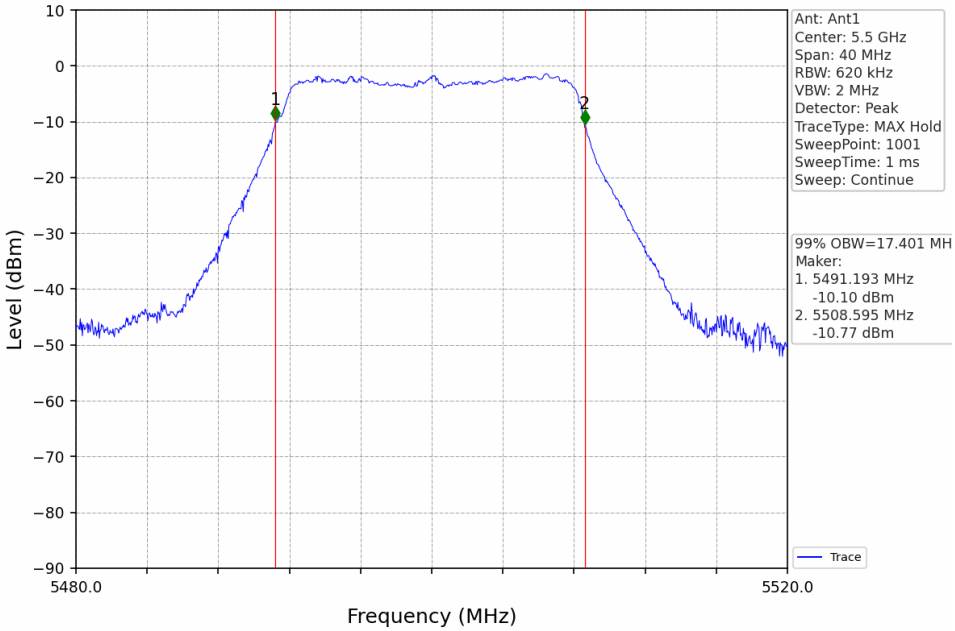
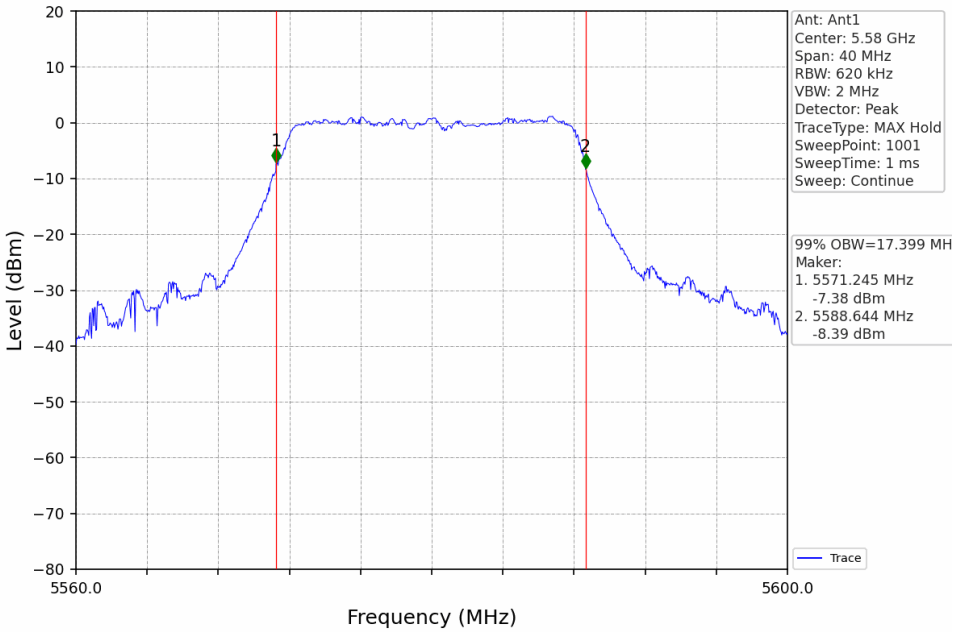
802.11a_LCH_5500MHz_Ant1_NTNV



802.11a_MCH_5580MHz_Ant1_NTNV



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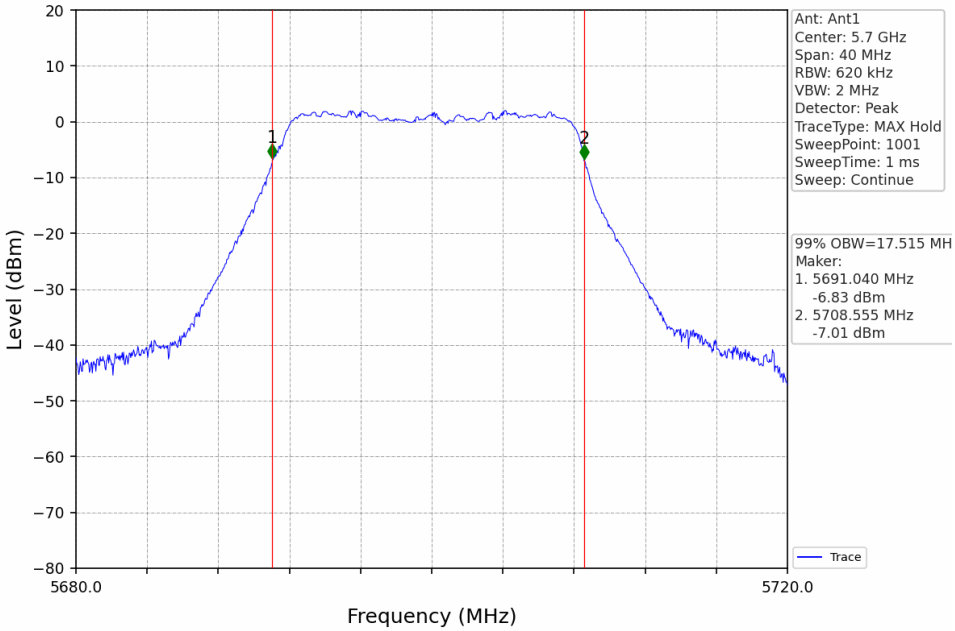
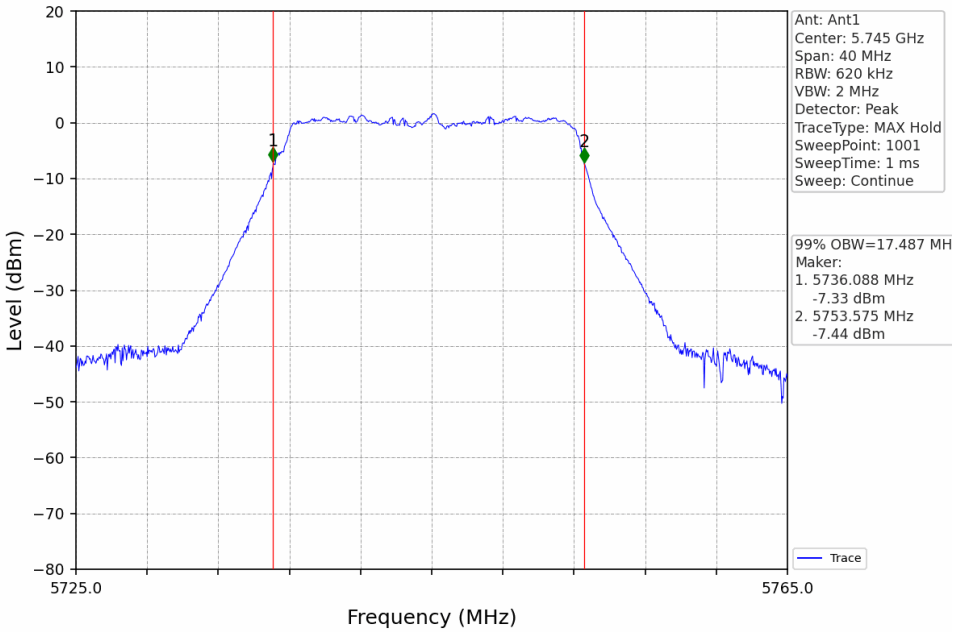
802.11a_HCH_5700MHz_Ant1_NTNV



802.11a_LCH_5745MHz_Ant1_NTNV



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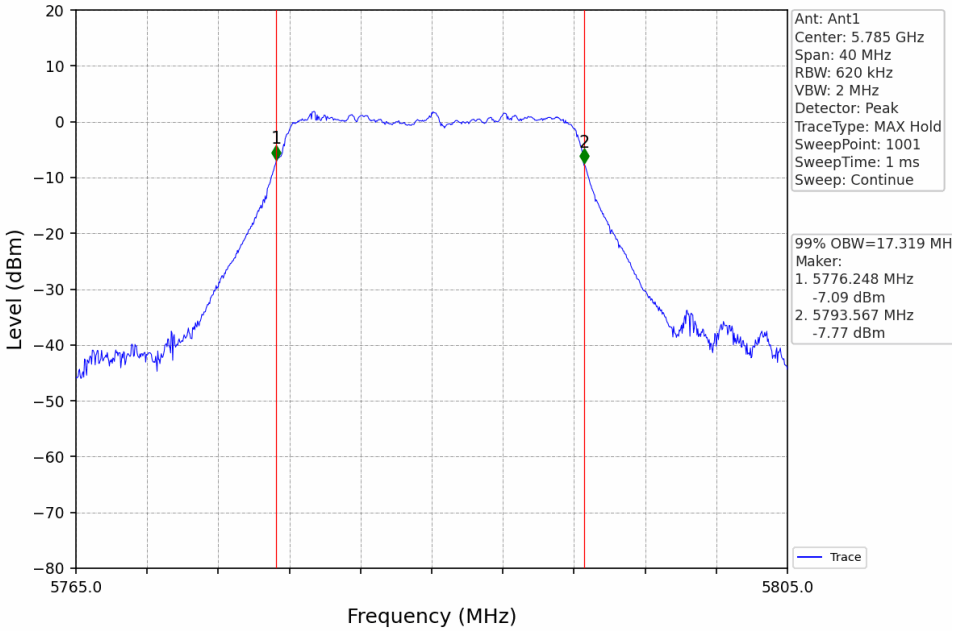
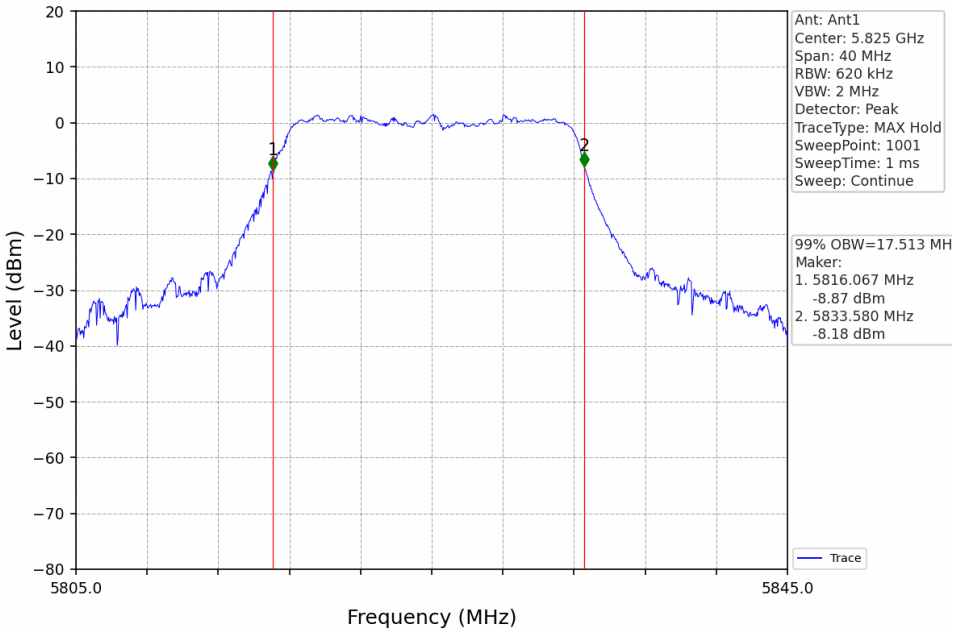
802.11a_MCH_5785MHz_Ant1_NTNV



802.11a_HCH_5825MHz_Ant1_NTNV



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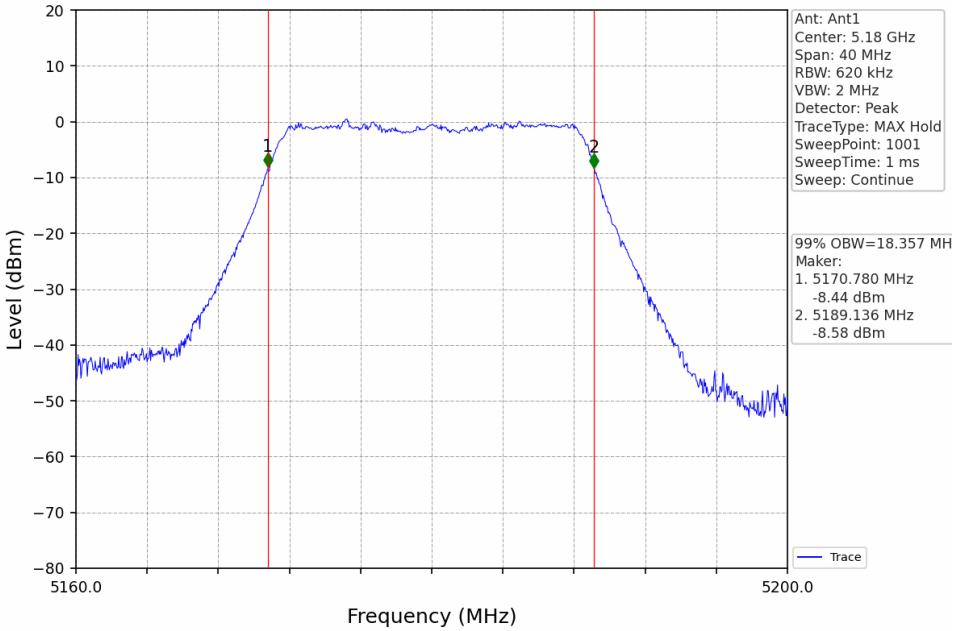
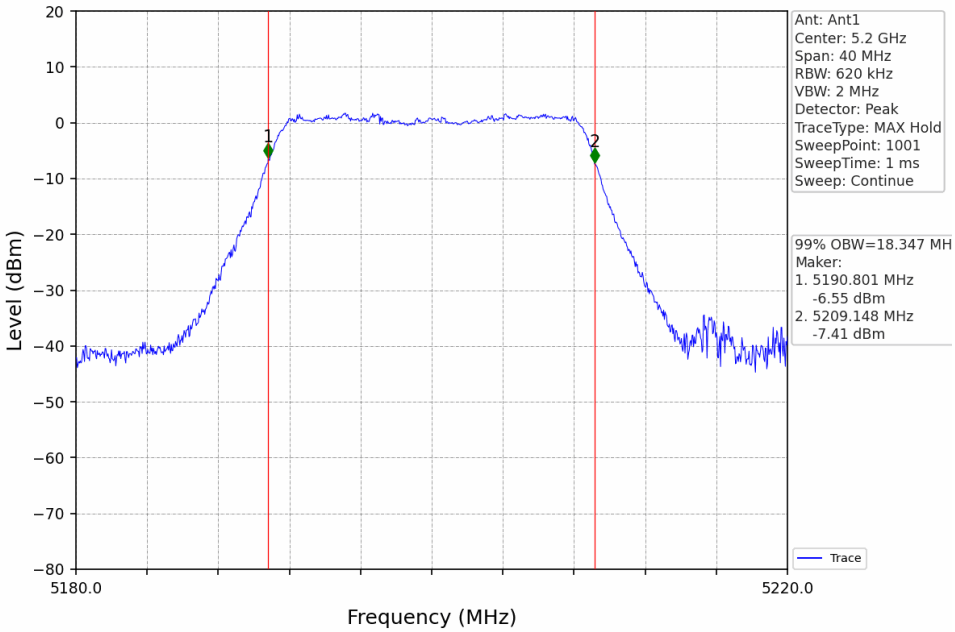
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



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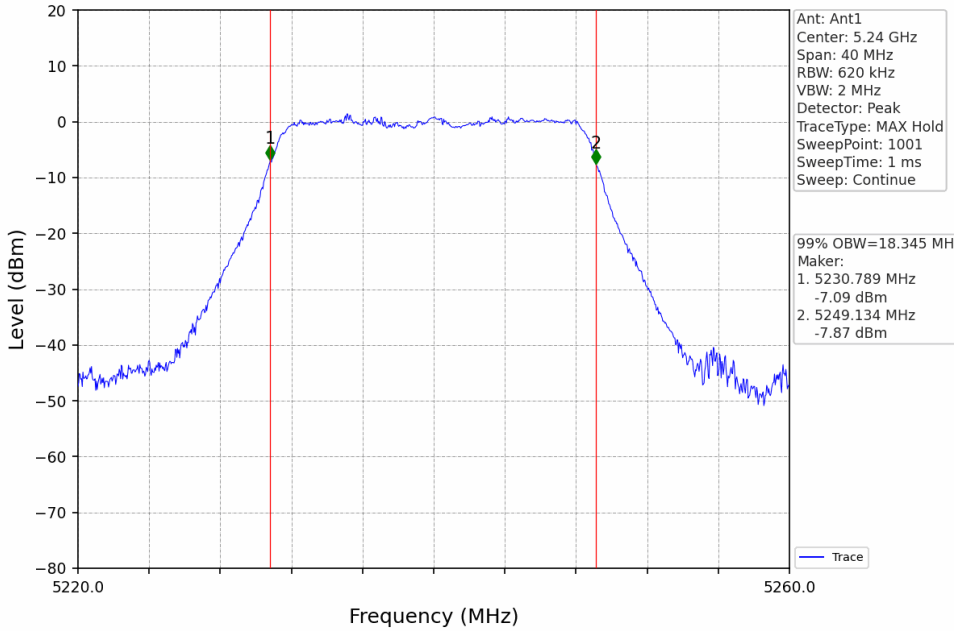
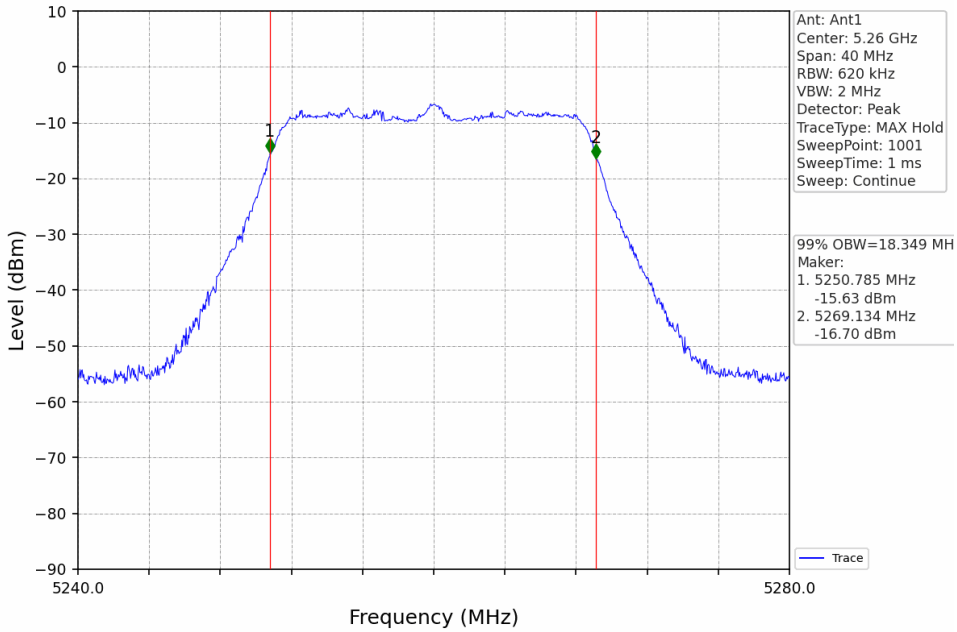
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



802.11n(HT20)_LCH_5260MHz_Ant1_NTNV



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中国 ·广州 ·经济技术开发区科学城科珠路198号 邮编: 510663 t (86–20) 82155555 f (86–20) 82075058 sgs.china@sgs.com
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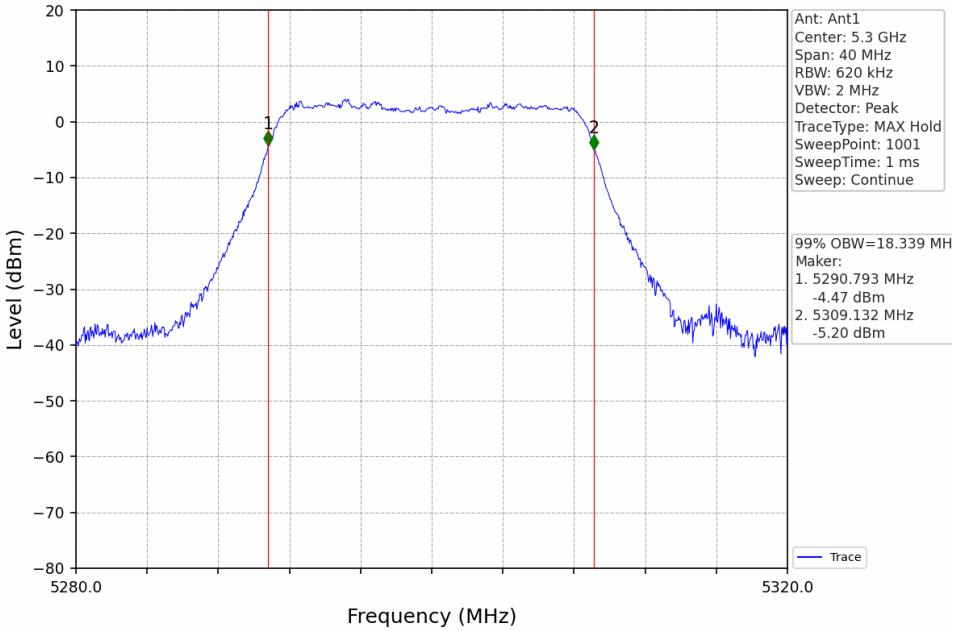
802.11n(HT20)_MCH_5300MHz_Ant1_NTNV



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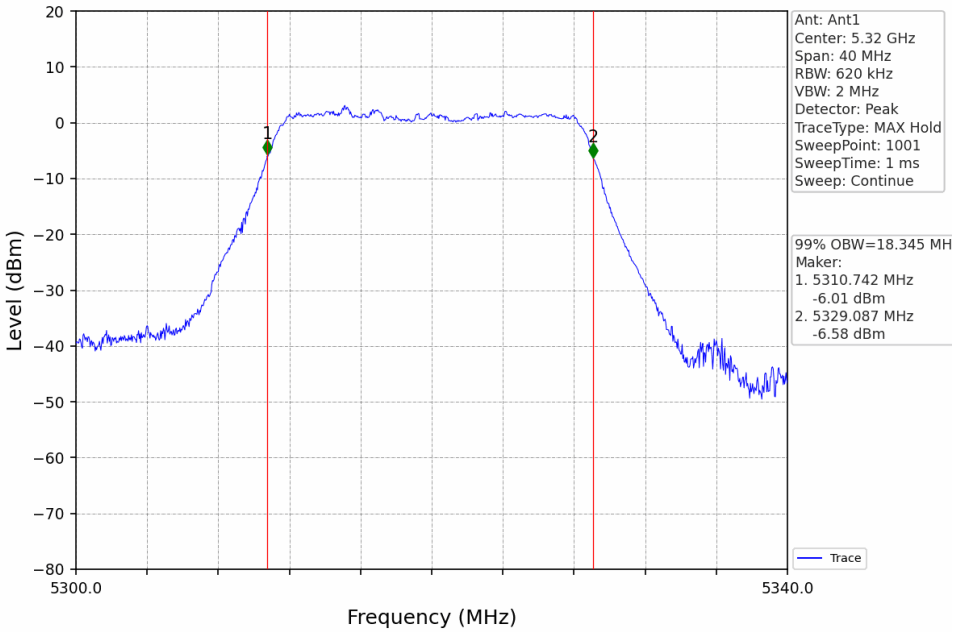

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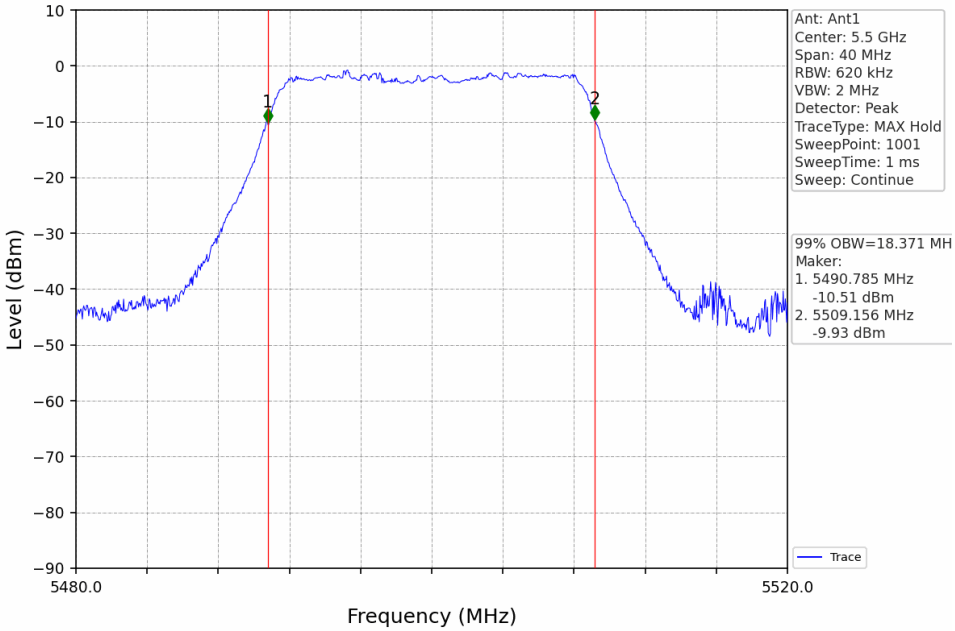
802.11n(HT20)_LCH_5500MHz_Ant1_NTNV



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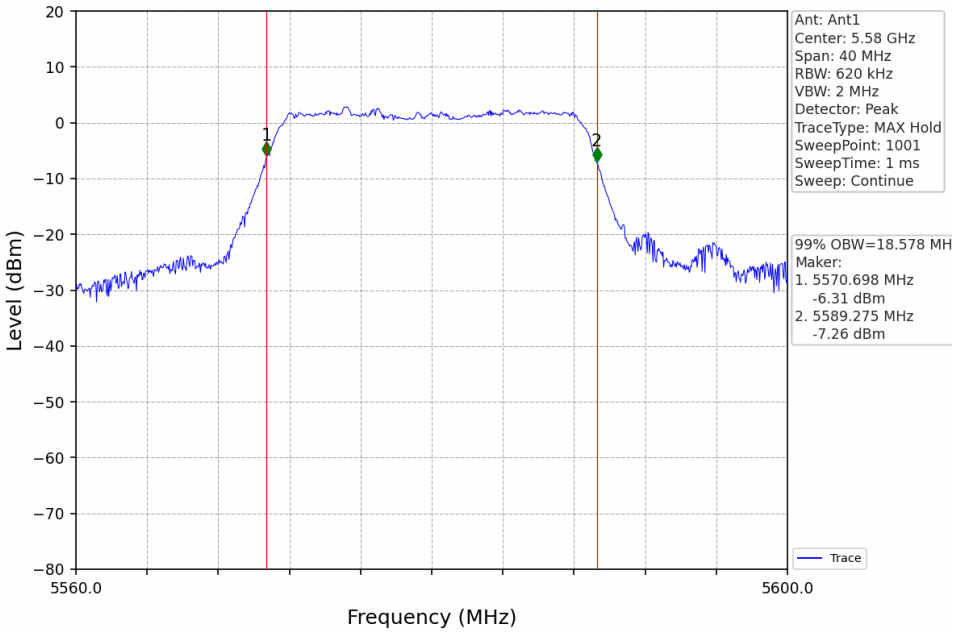

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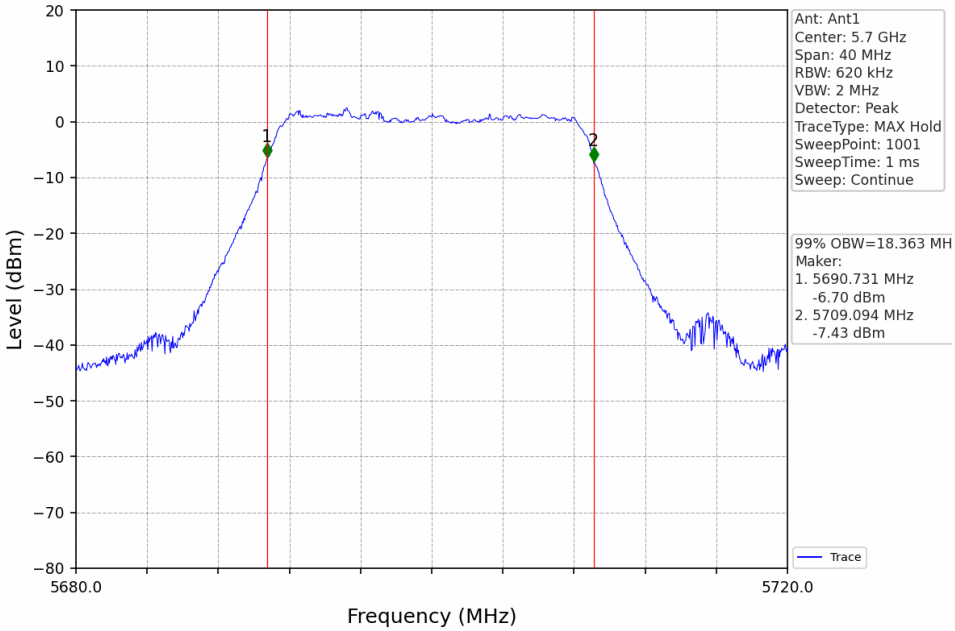
802.11n(HT20)_HCH_5700MHz_Ant1_NTNV



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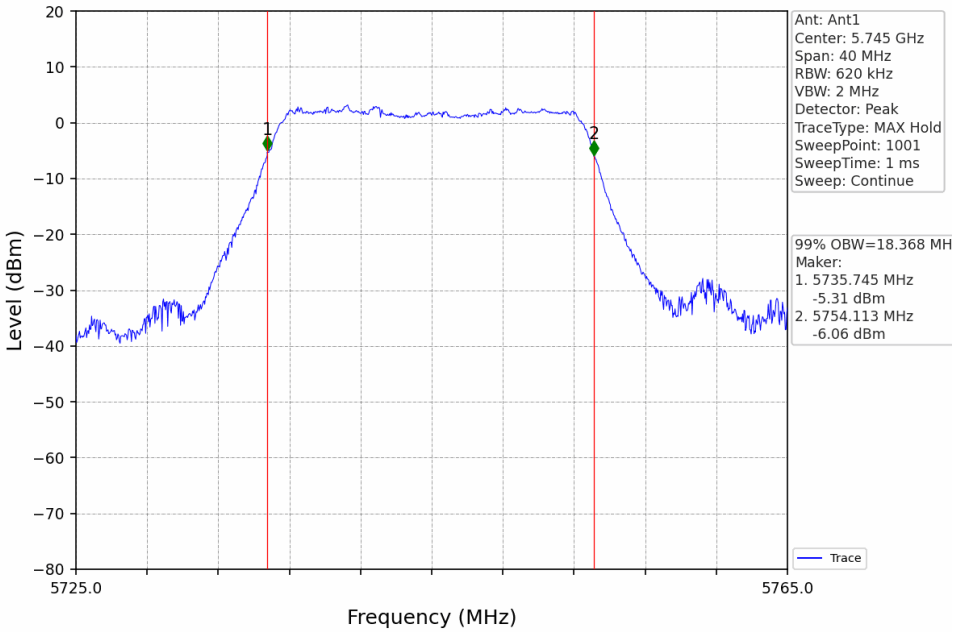

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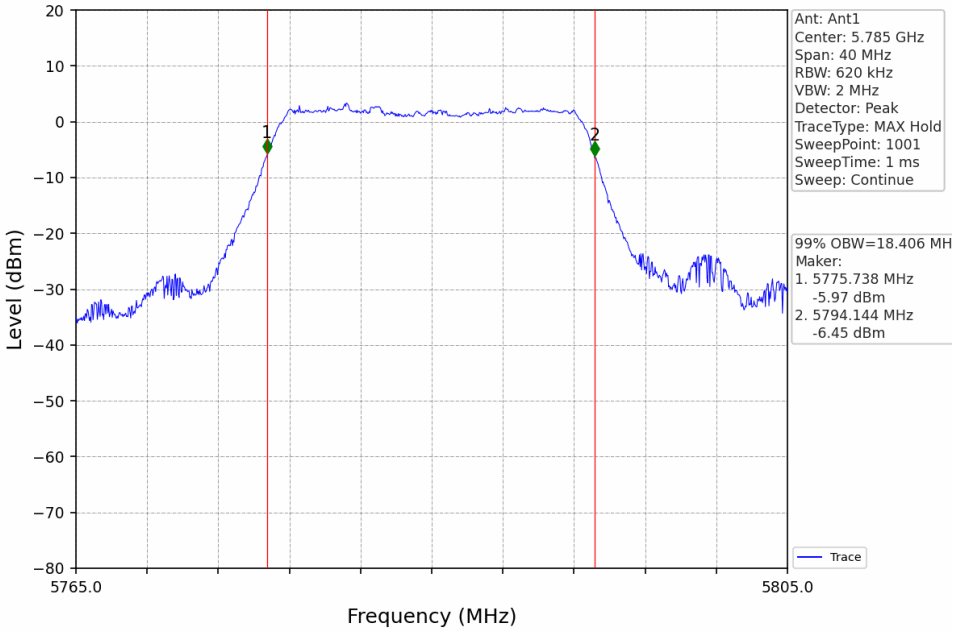
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



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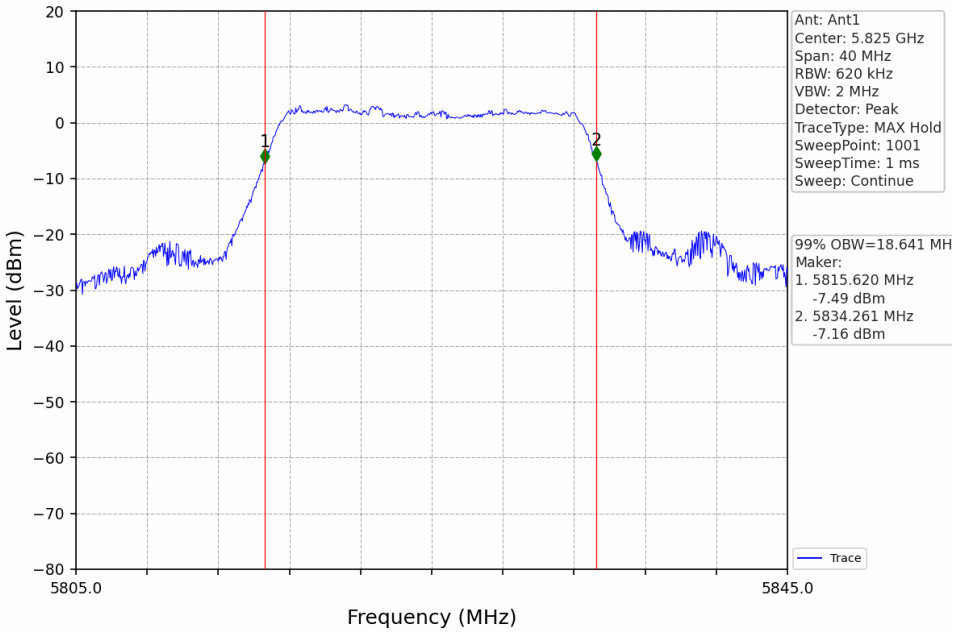

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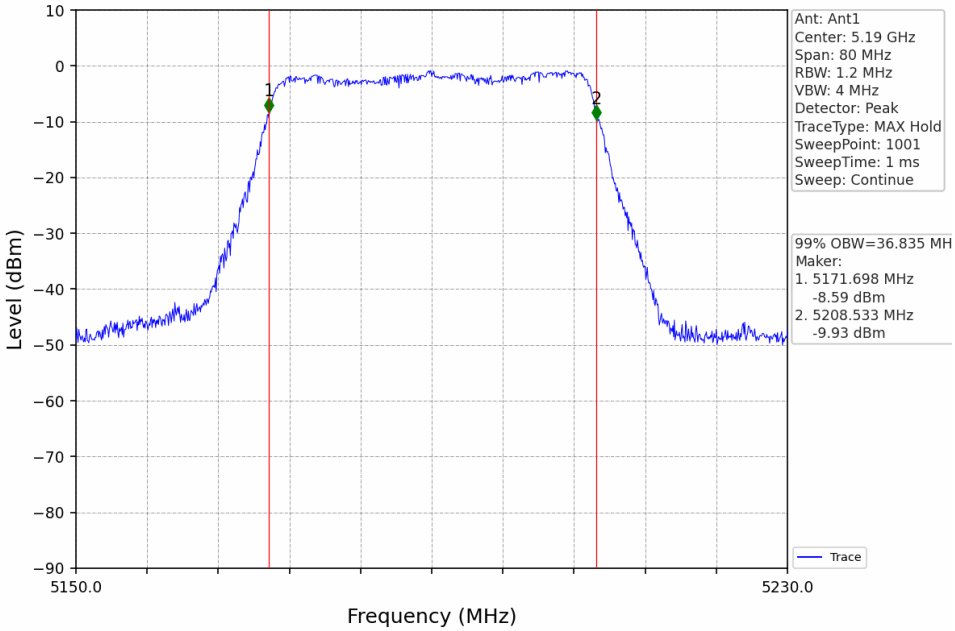
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



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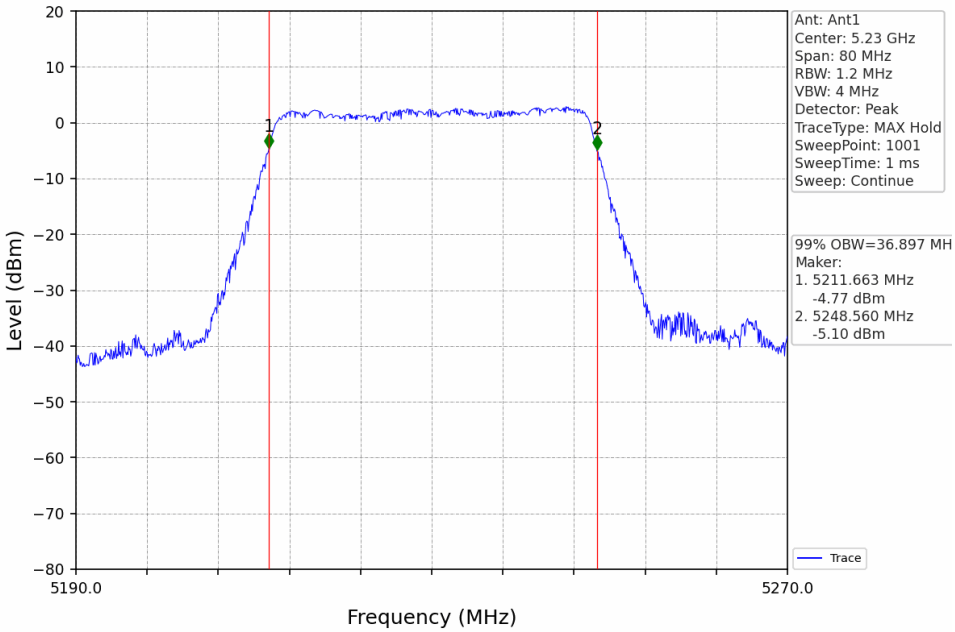

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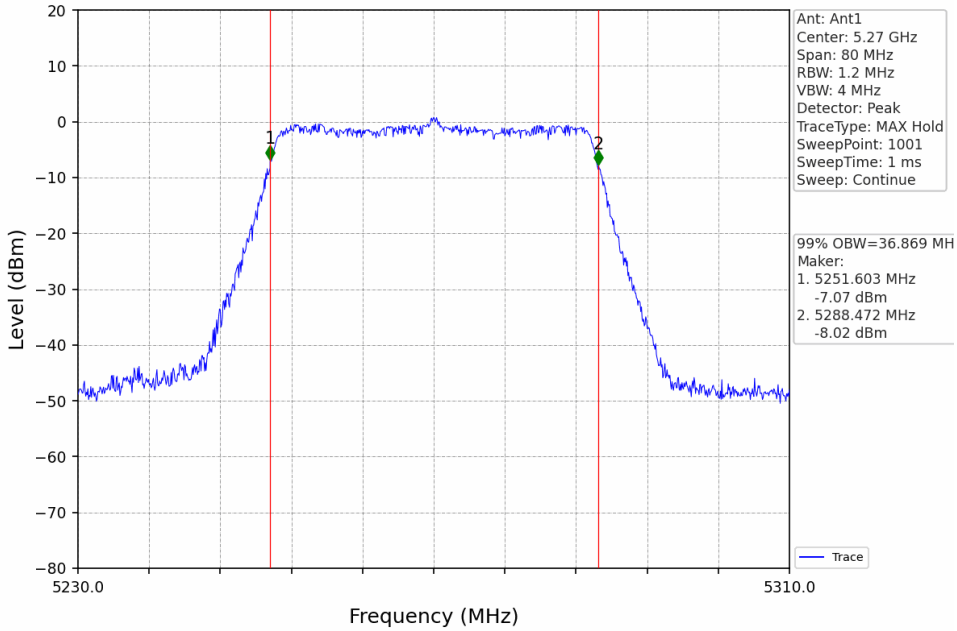
802.11n(HT40)_LCH_5270MHz_Ant1_NTNV



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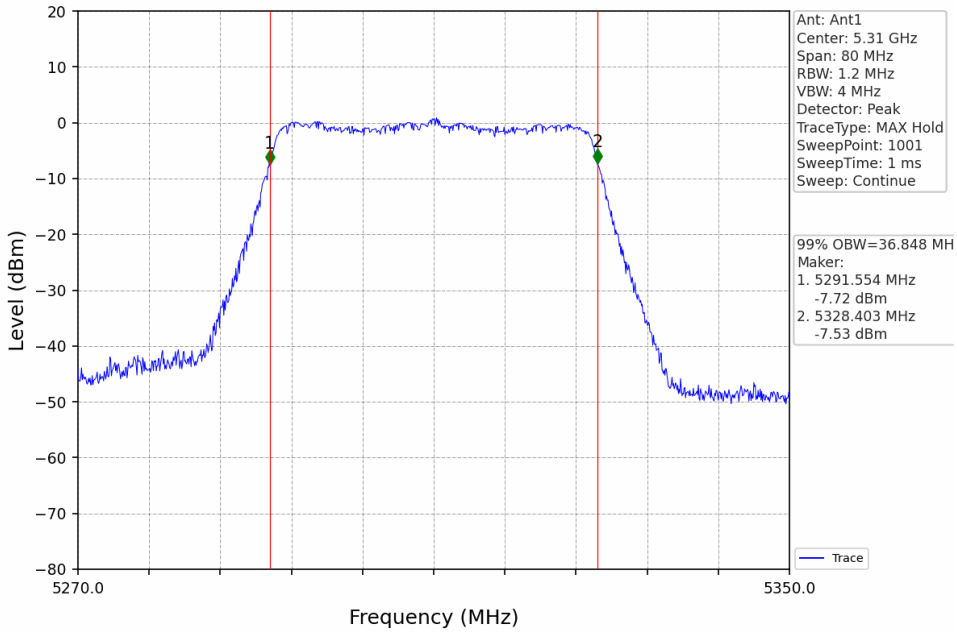

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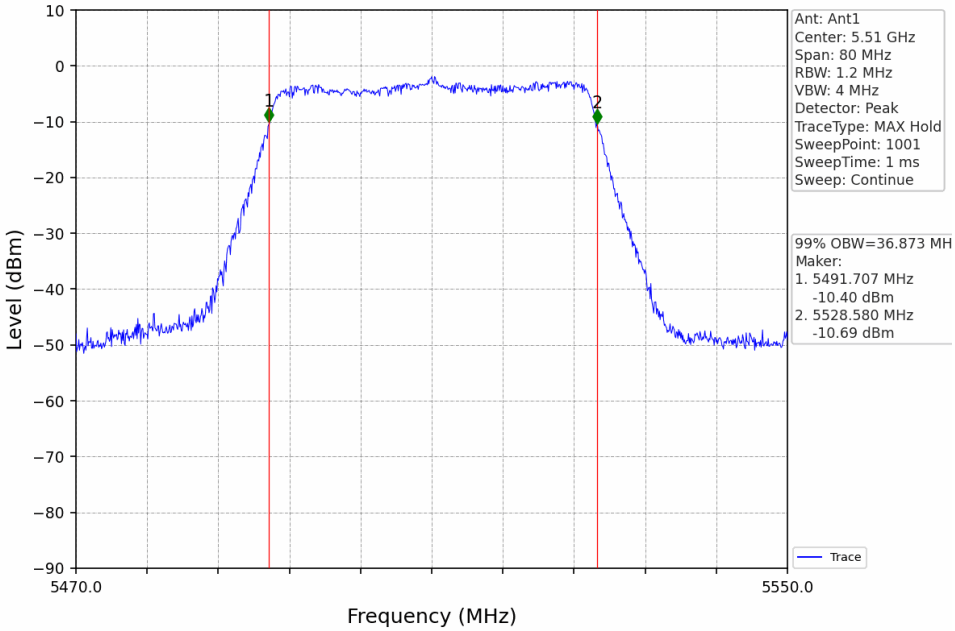
802.11n(HT40)_LCH_5510MHz_Ant1_NTNV



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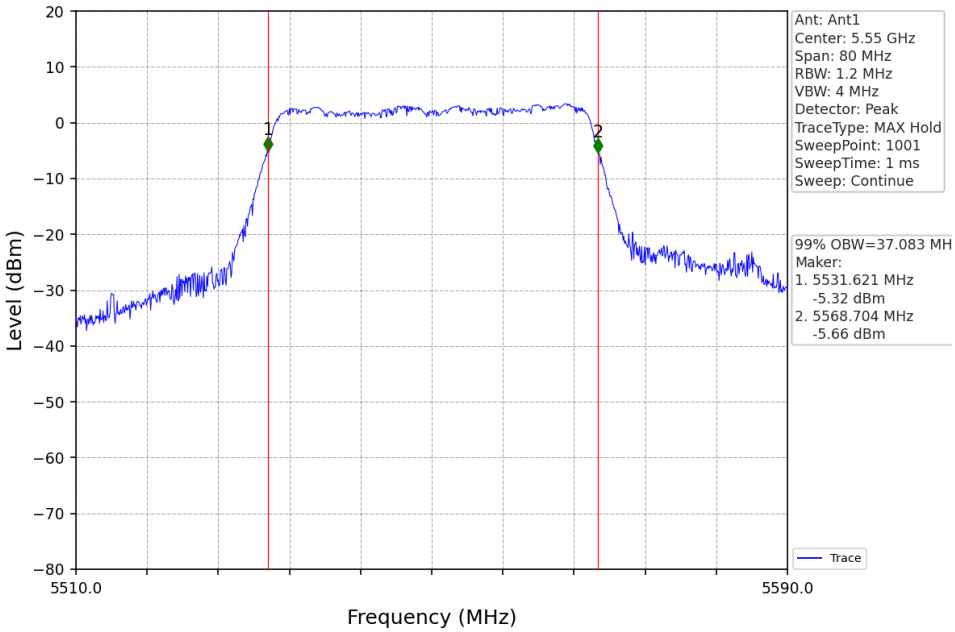

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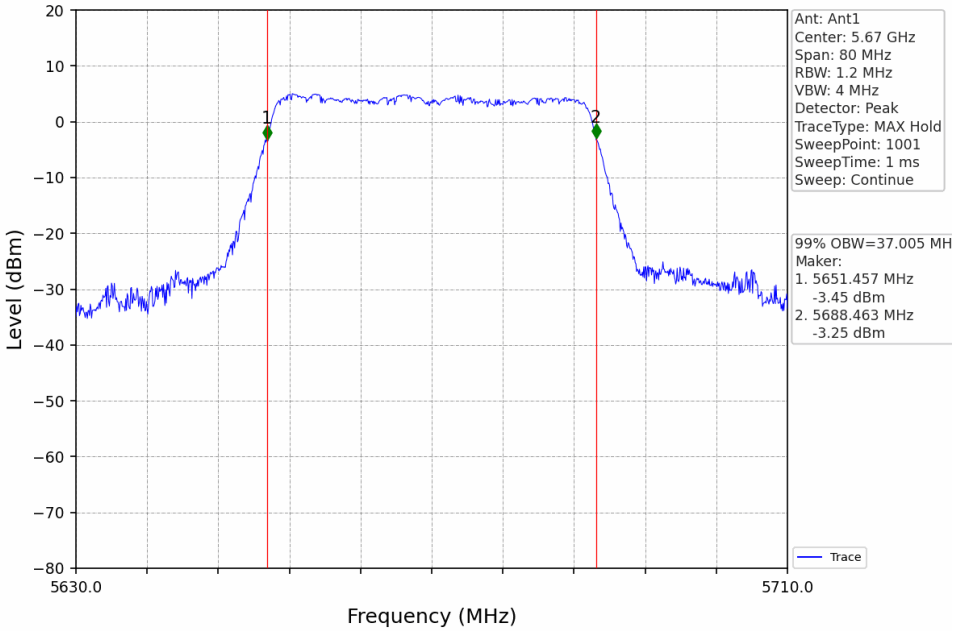
802.11n(HT40)_HCH_5670MHz_Ant1_NTNV



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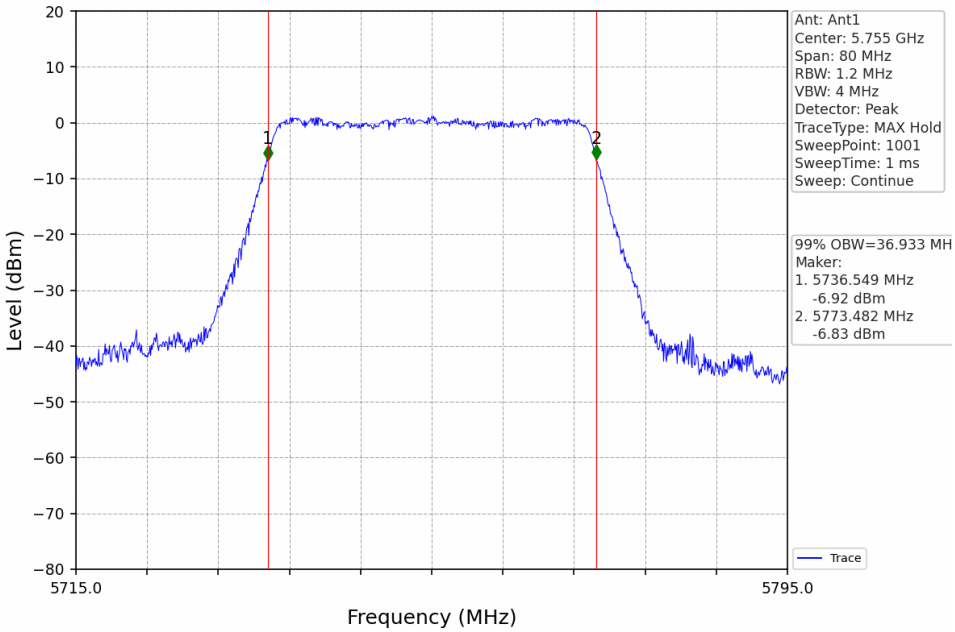

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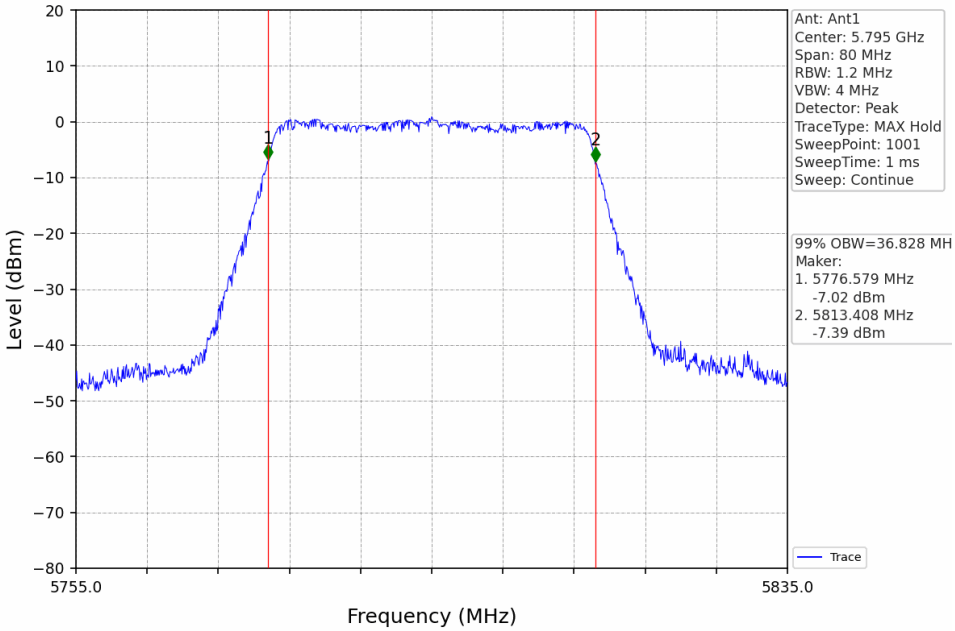
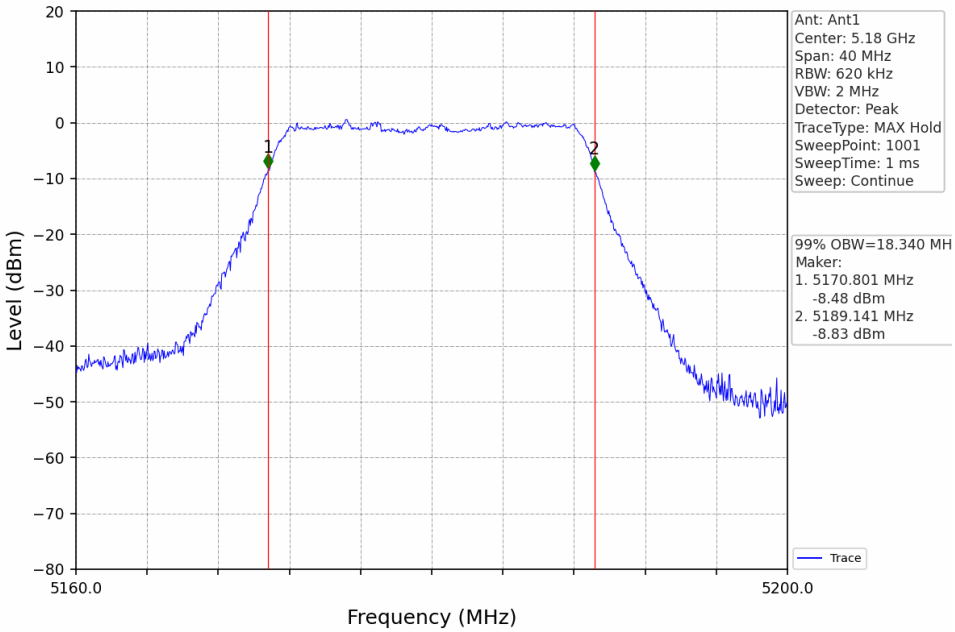
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



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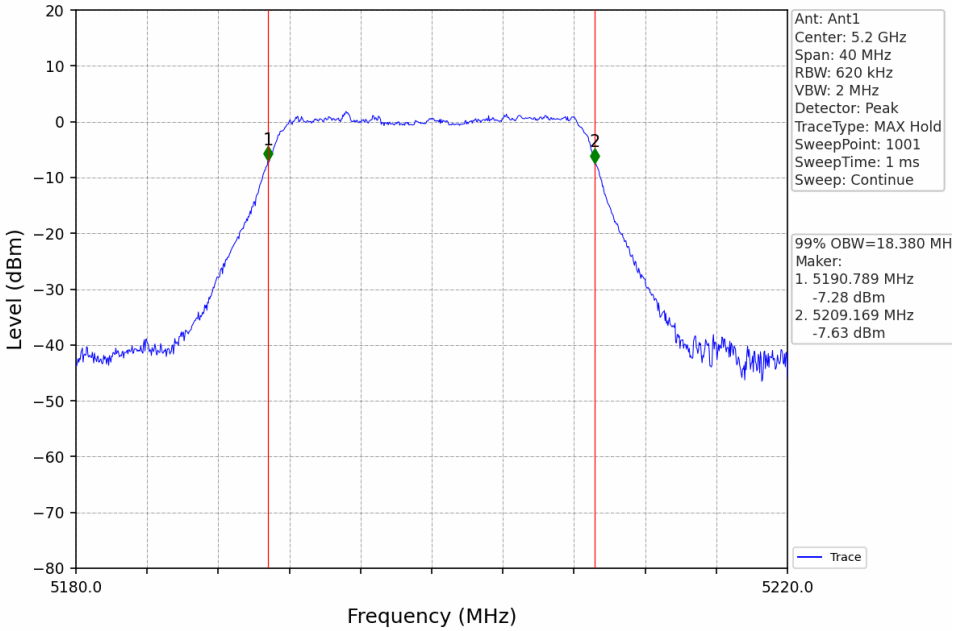
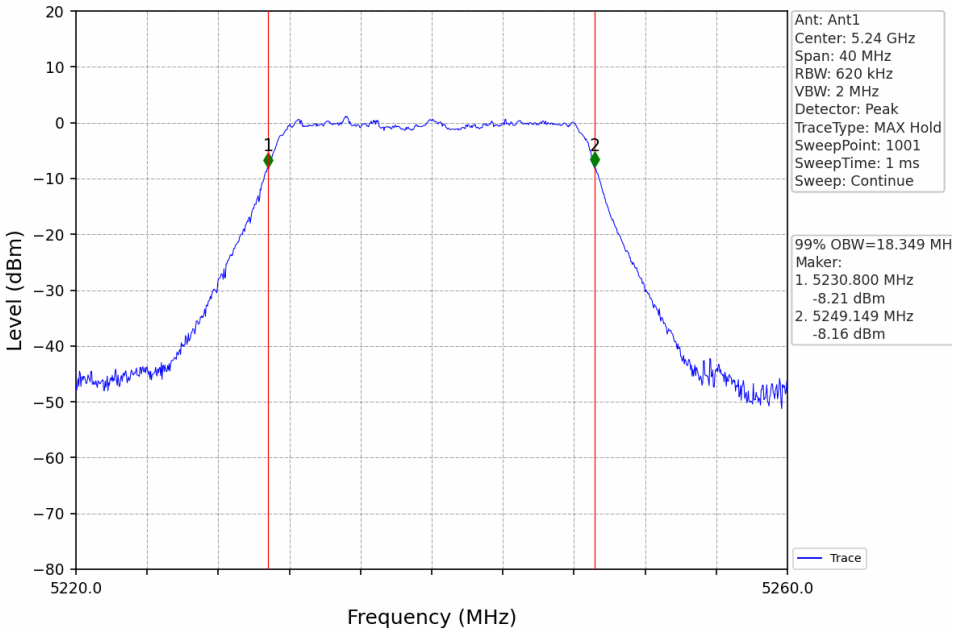
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



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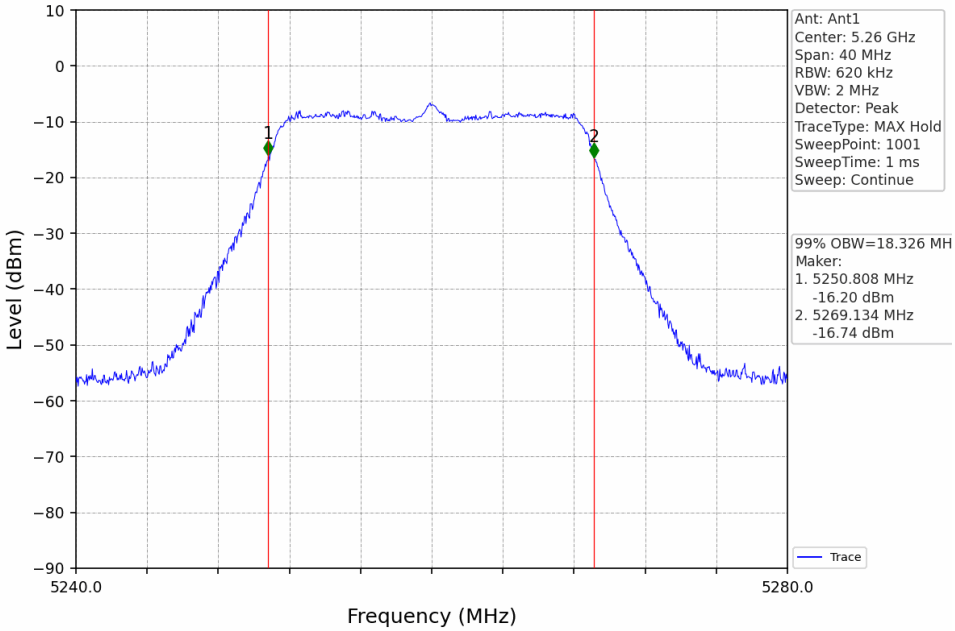
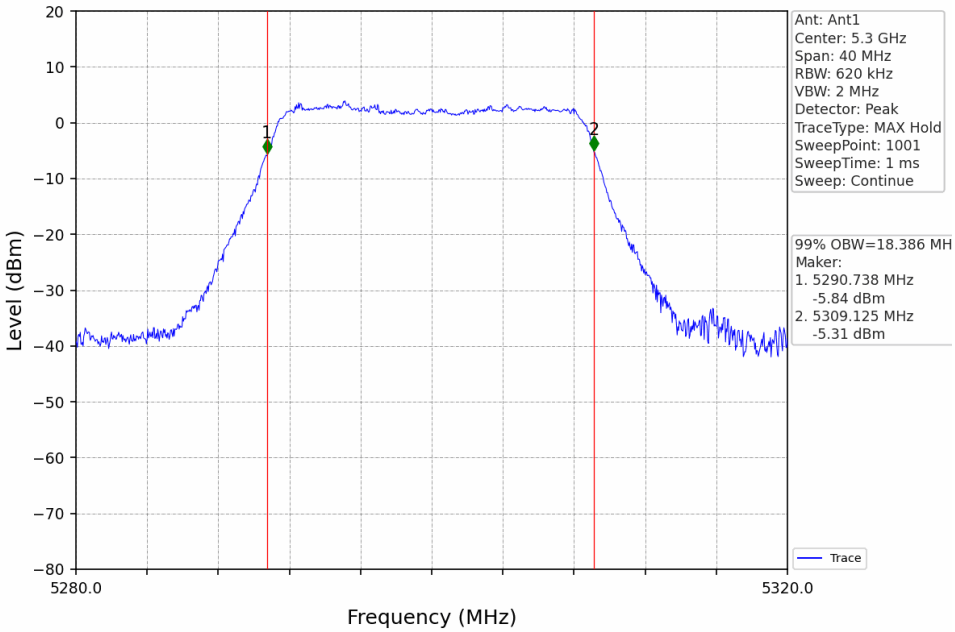
802.11ac(VHT20)_LCH_5260MHz_Ant1_NTNV



802.11ac(VHT20)_MCH_5300MHz_Ant1_NTNV



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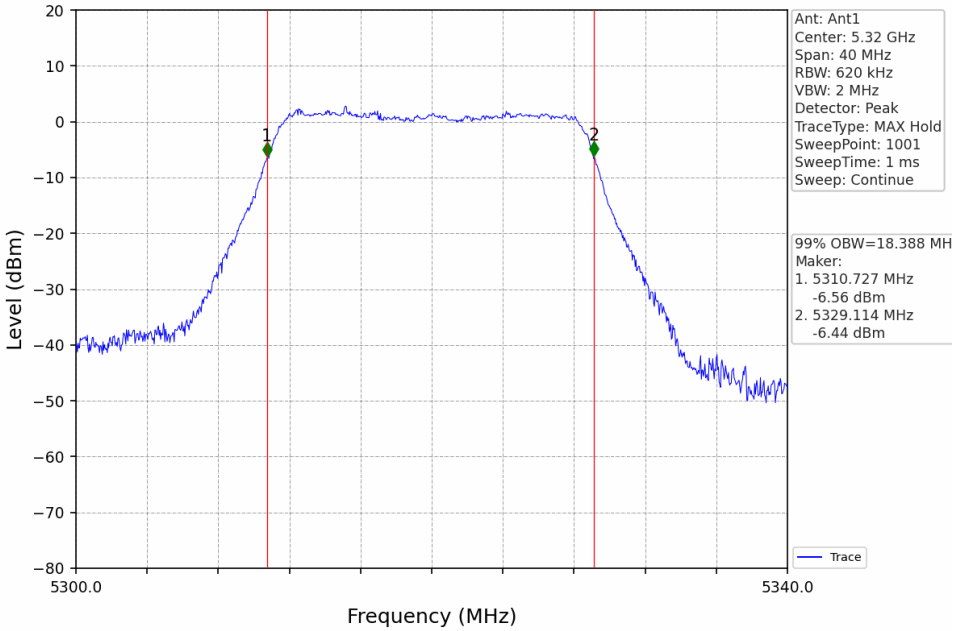
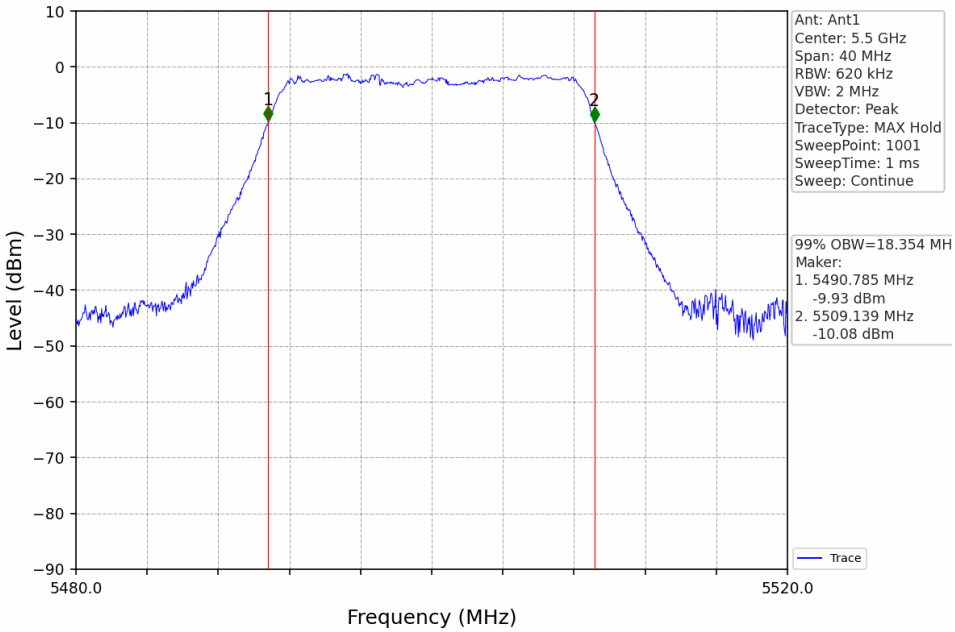
802.11ac(VHT20)_HCH_5320MHz_Ant1_NTNV



802.11ac(VHT20)_LCH_5500MHz_Ant1_NTNV



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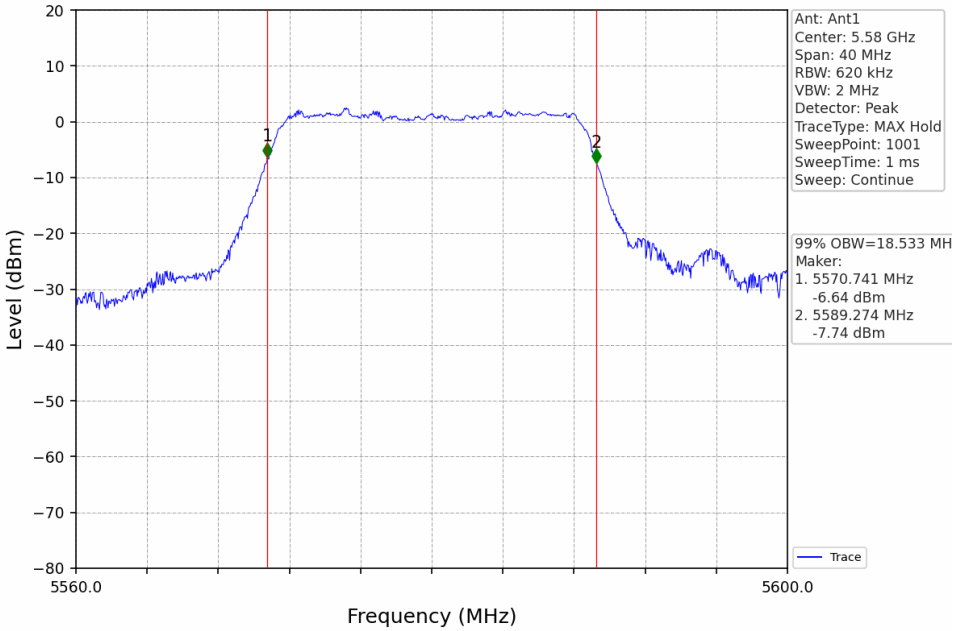
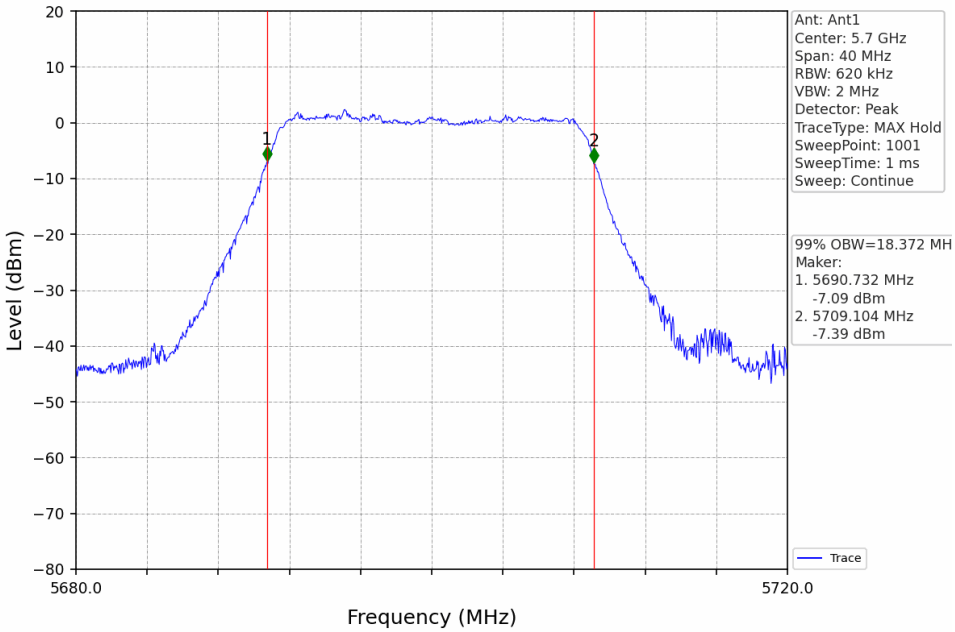
802.11ac(VHT20)_MCH_5580MHz_Ant1_NTNV



802.11ac(VHT20)_HCH_5700MHz_Ant1_NTNV



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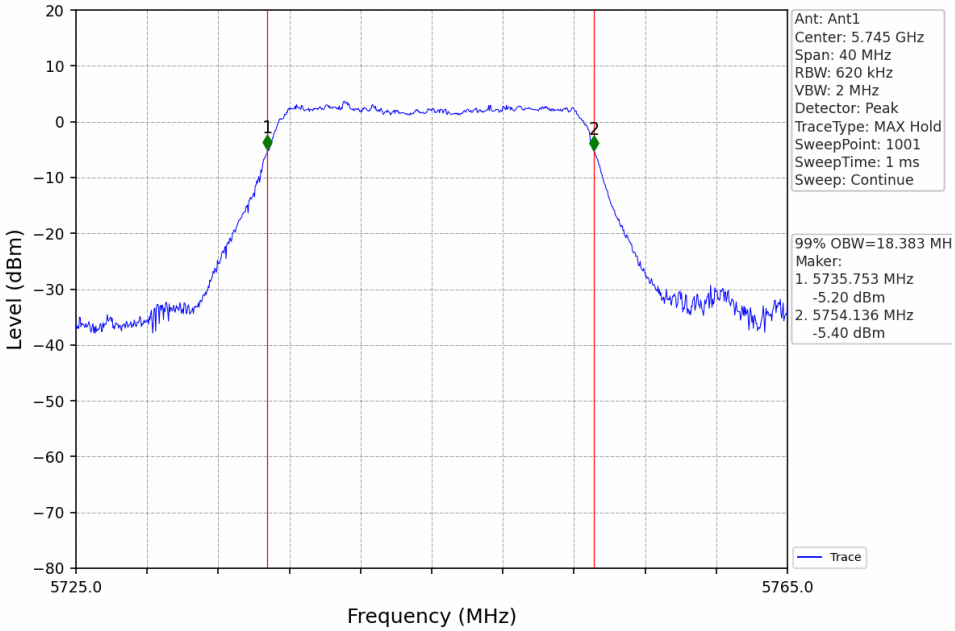
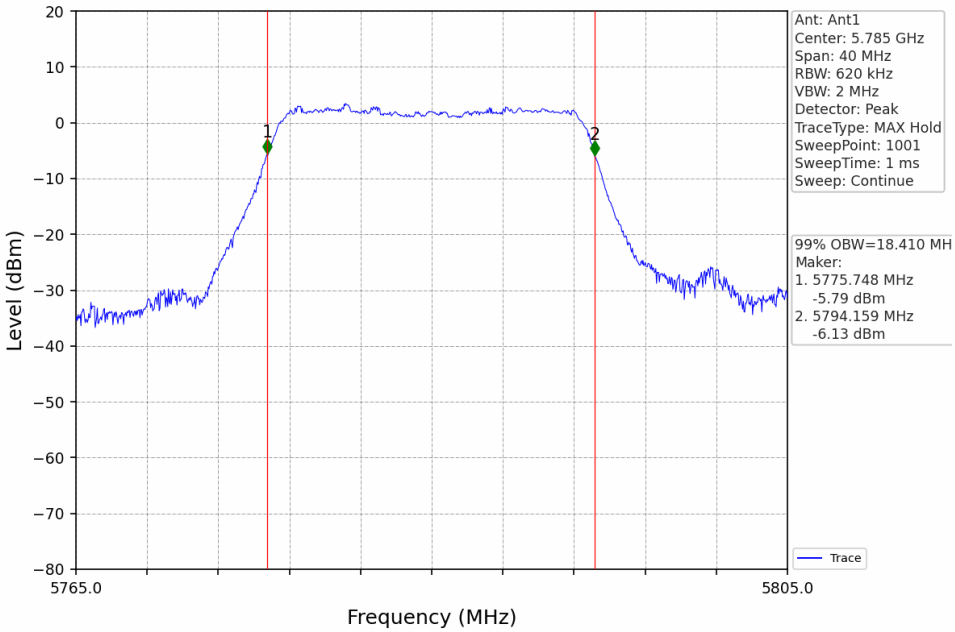
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



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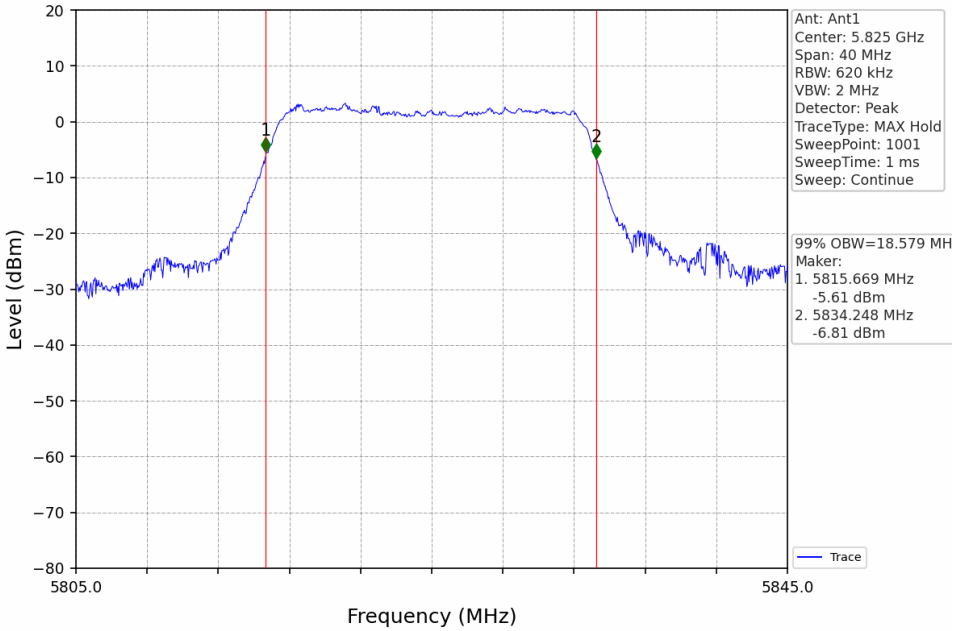
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



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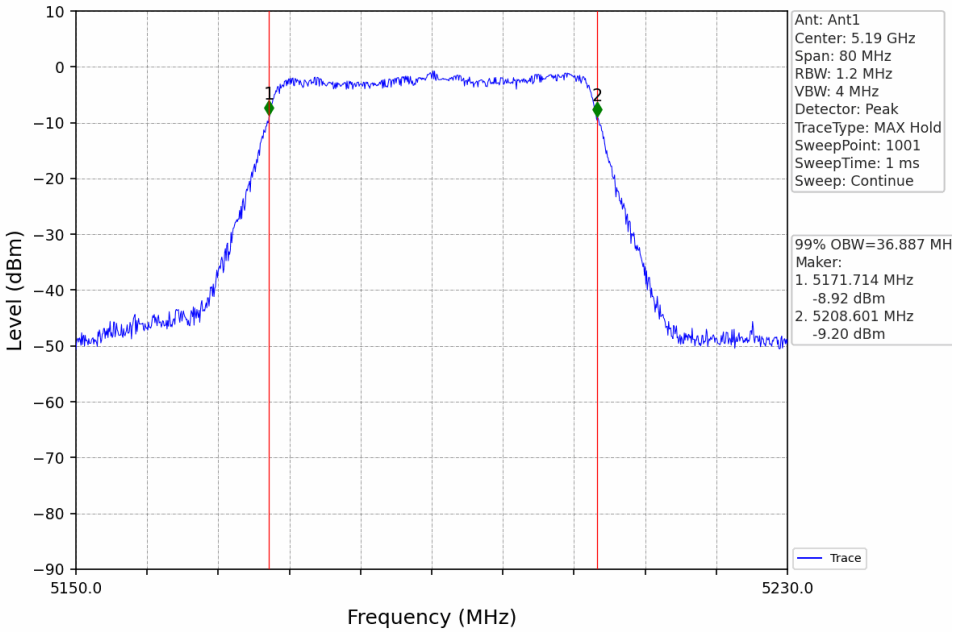

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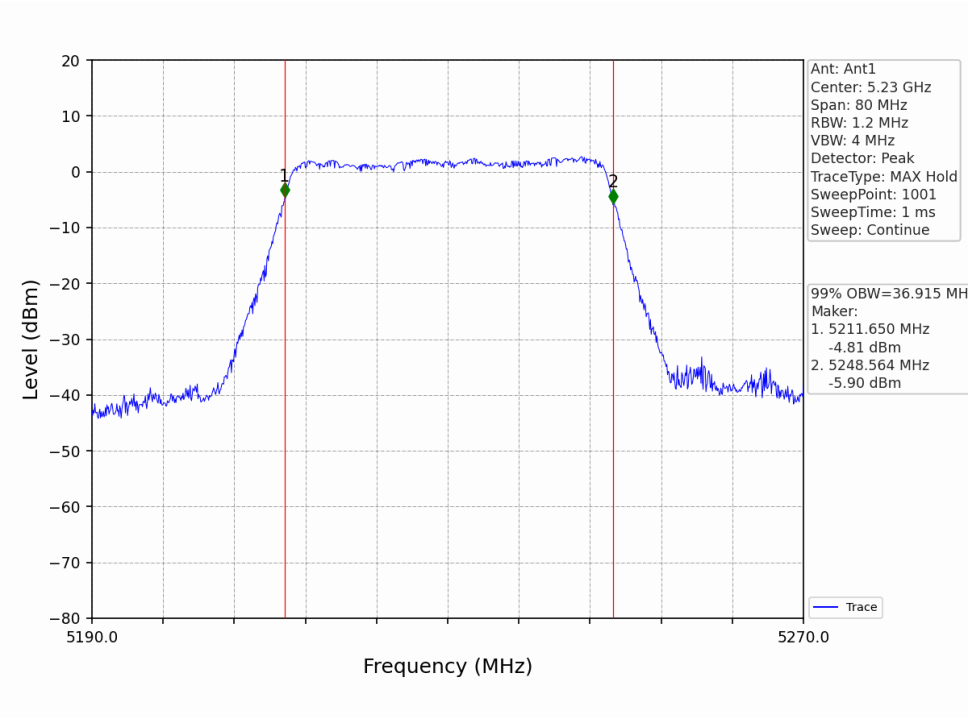
802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



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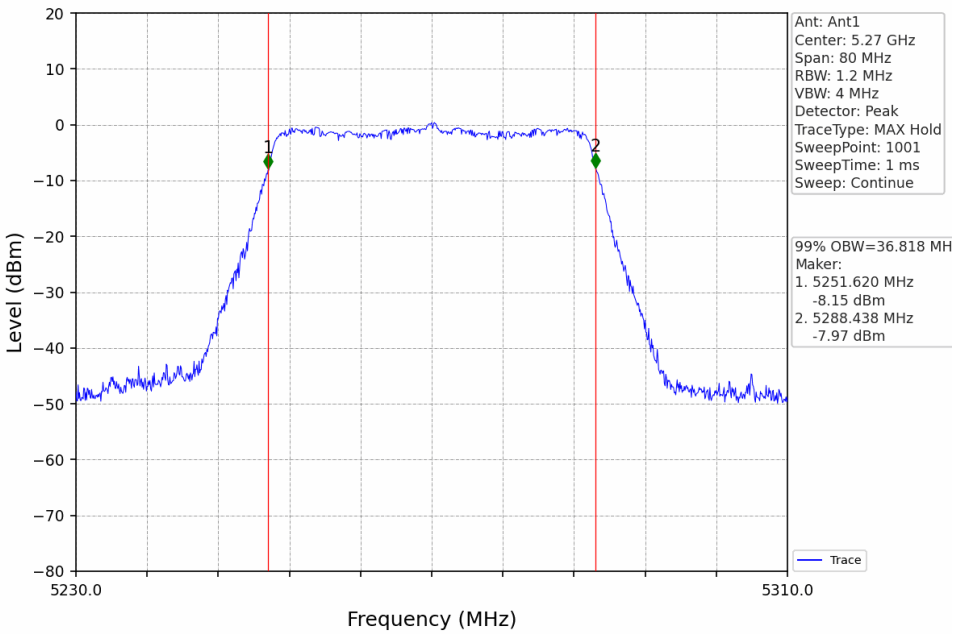

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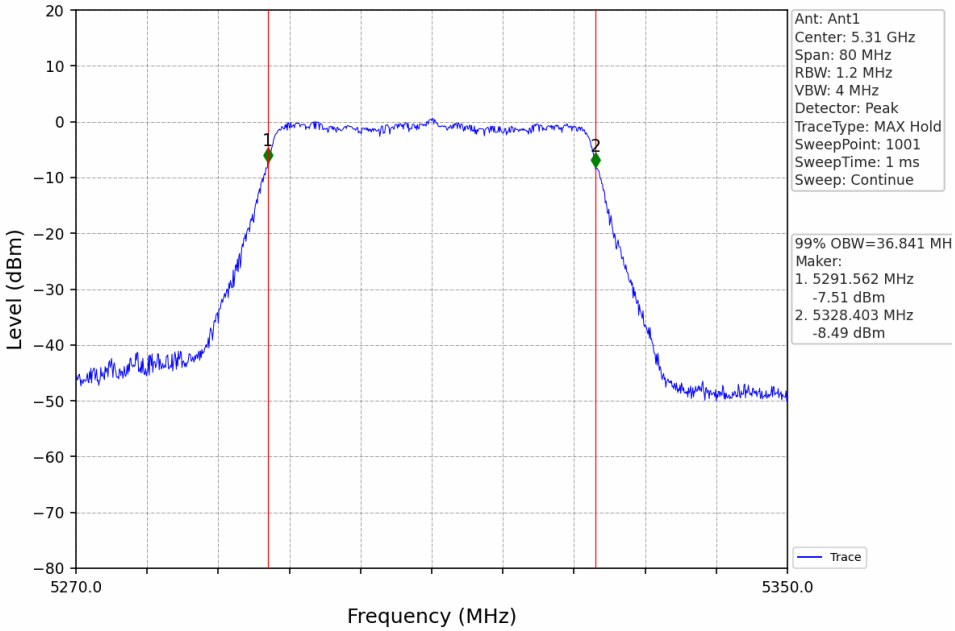
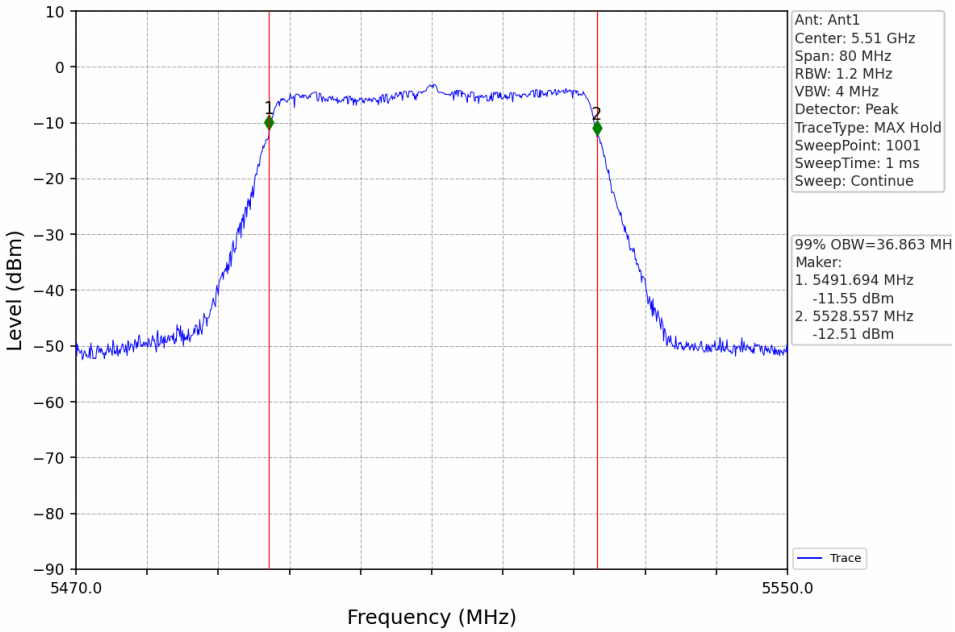
802.11ac(VHT40)_HCH_5310MHz_Ant1_NTNV



802.11ac(VHT40)_LCH_5510MHz_Ant1_NTNV



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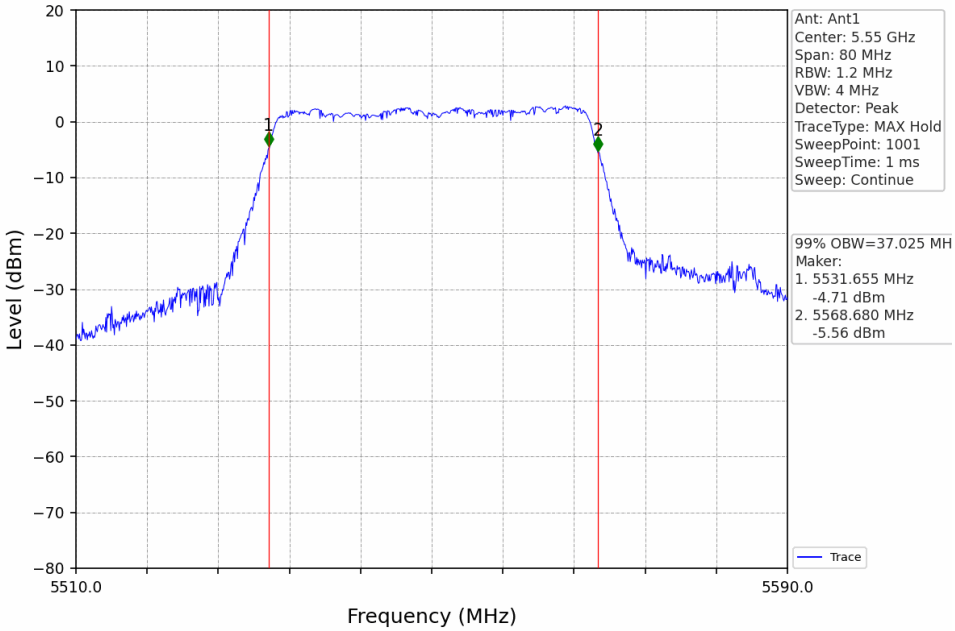
802.11ac(VHT40)_MCH_5550MHz_Ant1_NTNV



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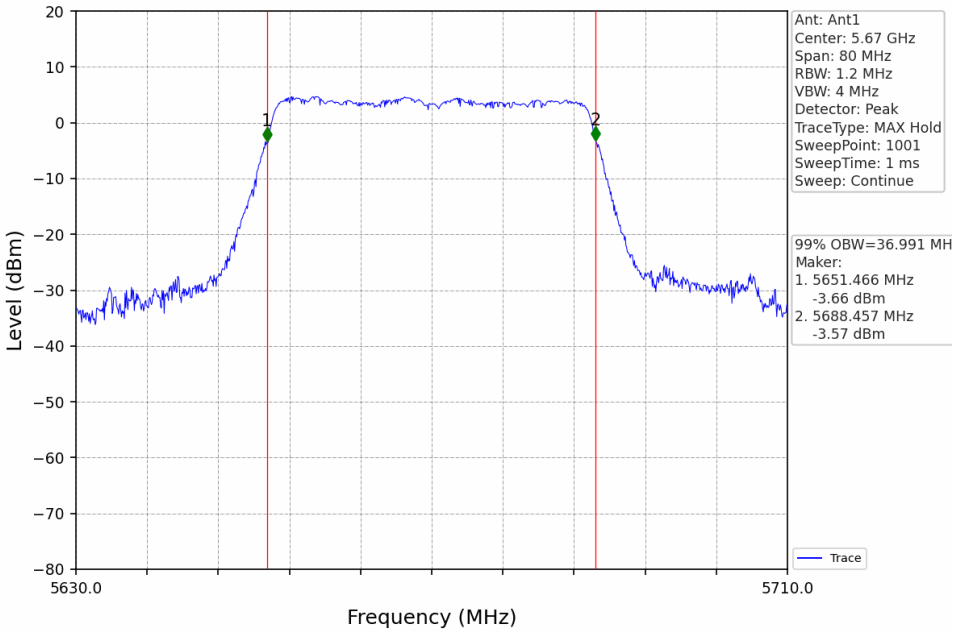

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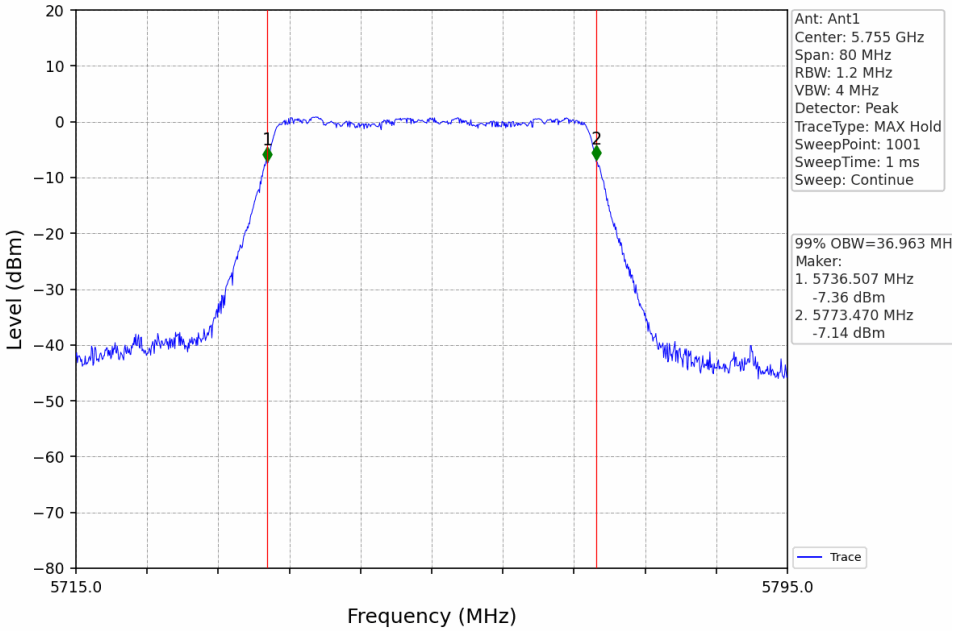
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



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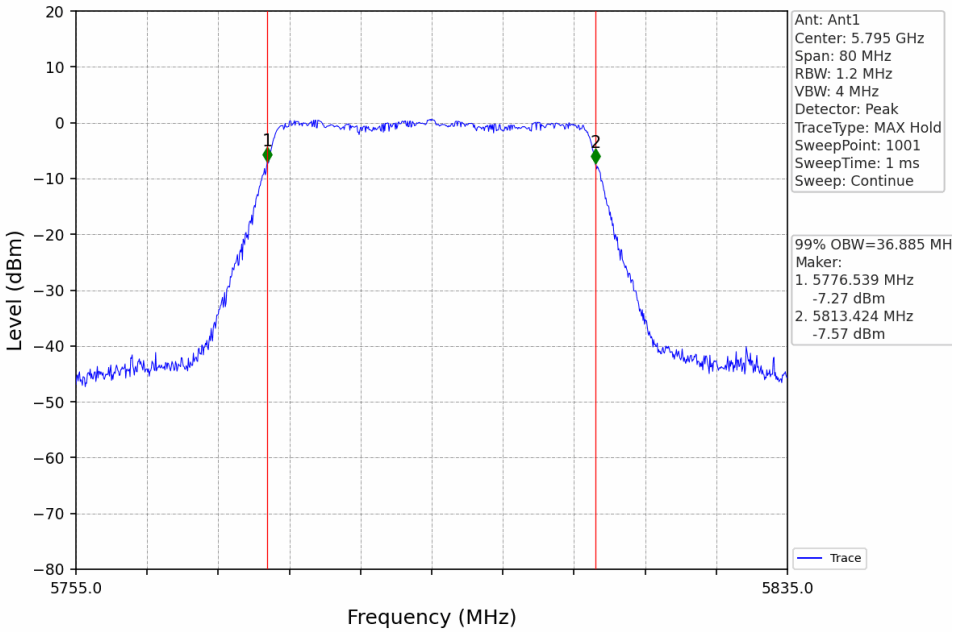

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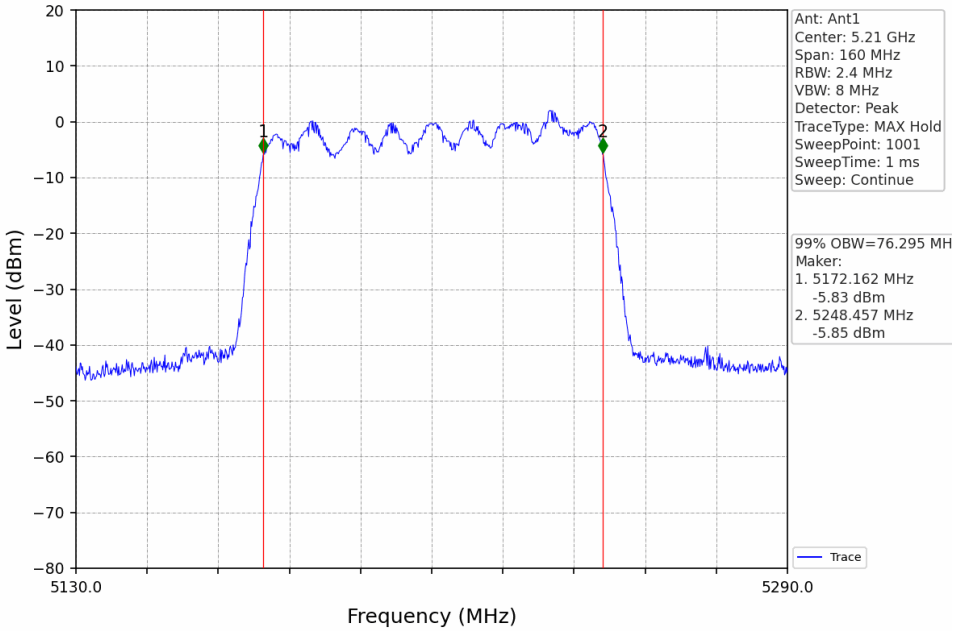
802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



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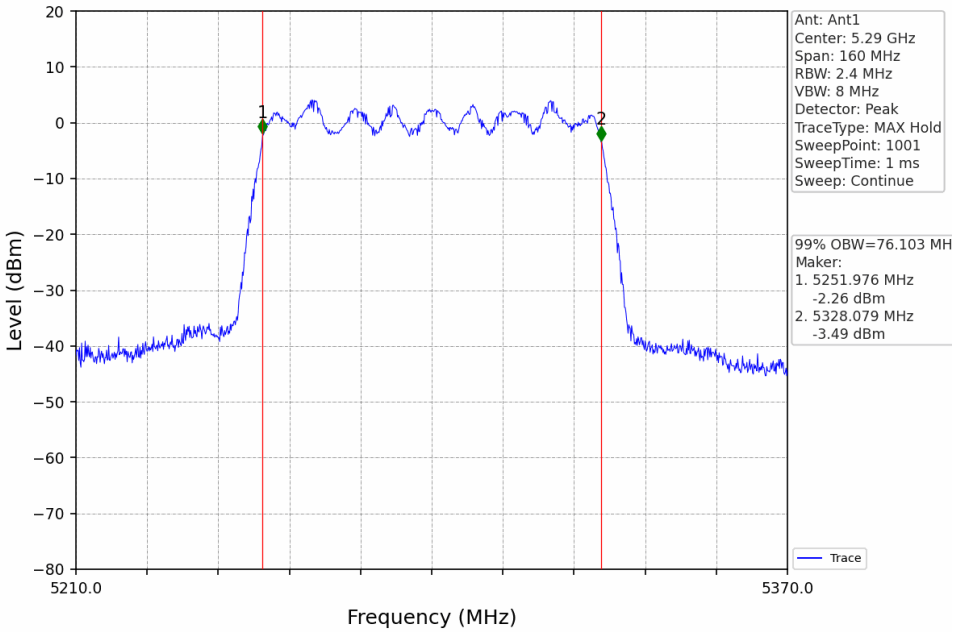

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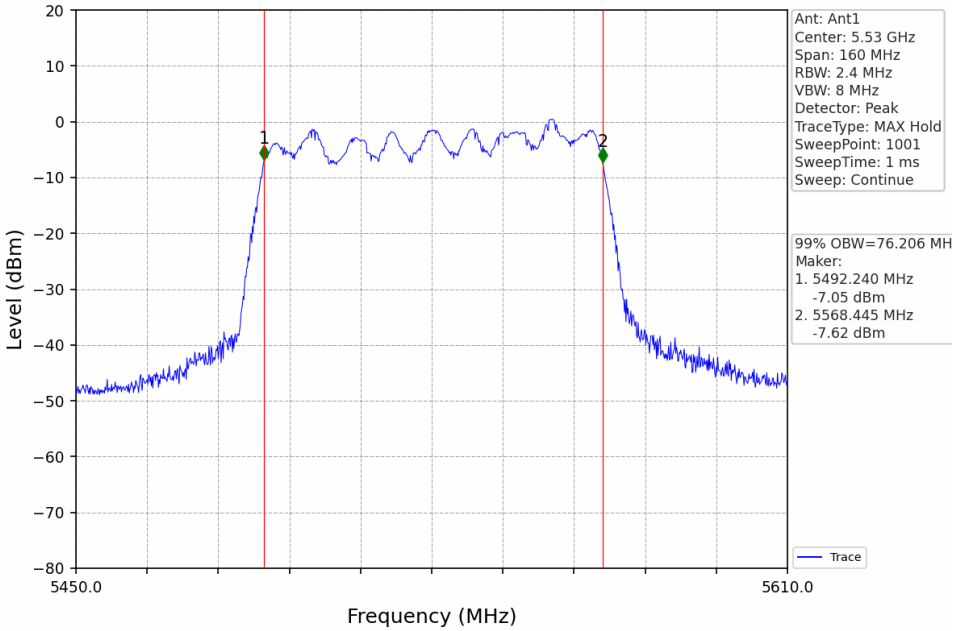
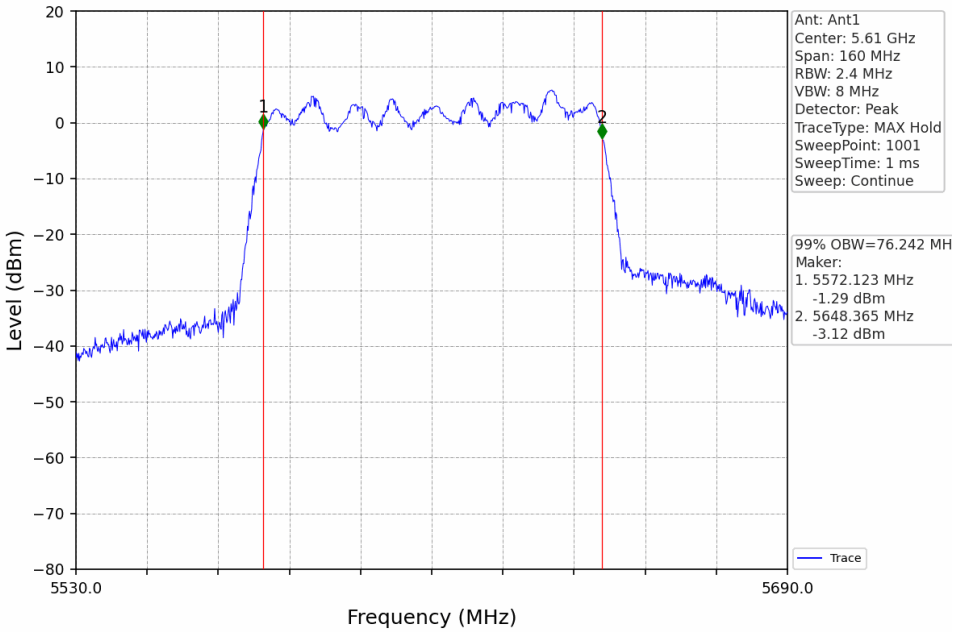
802.11ac(VHT80)_LCH_5530MHz_Ant1_NTNV



802.11ac(VHT80)_HCH_5610MHz_Ant1_NTNV



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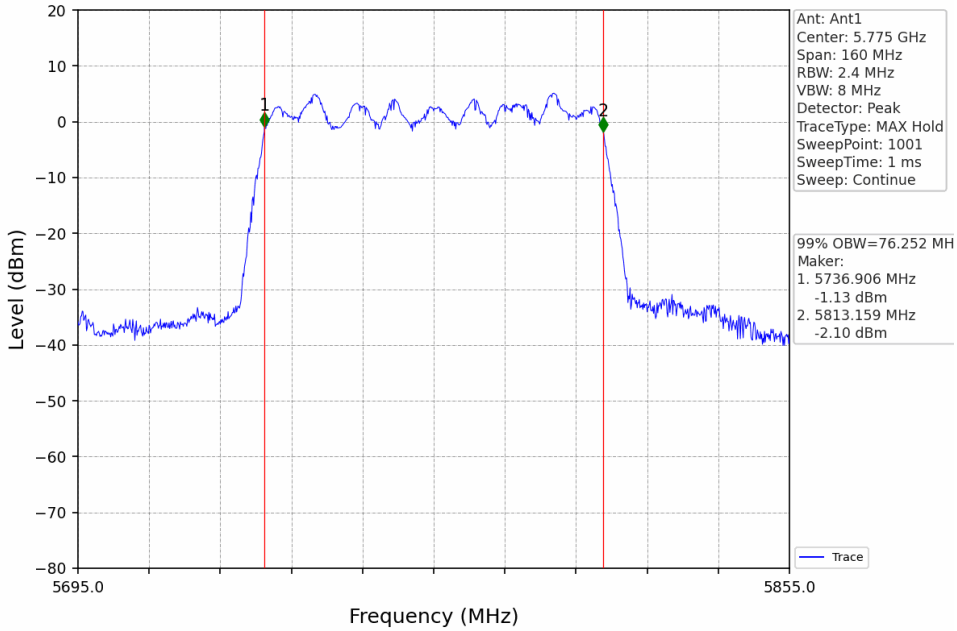
802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



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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	16.651	>=0.5	Pass
		5785	1	16.668	>=0.5	Pass
		5825	1	16.700	>=0.5	Pass
802.11n (HT20)	SISO	5745	1	17.757	>=0.5	Pass
		5785	1	17.709	>=0.5	Pass
		5825	1	17.700	>=0.5	Pass
802.11n (HT40)	SISO	5755	1	36.376	>=0.5	Pass
		5795	1	36.253	>=0.5	Pass
802.11ac (VHT20)	SISO	5745	1	17.718	>=0.5	Pass
		5785	1	17.745	>=0.5	Pass
		5825	1	17.760	>=0.5	Pass
802.11ac (VHT40)	SISO	5755	1	36.388	>=0.5	Pass
		5795	1	36.322	>=0.5	Pass
802.11ac (VHT80)	SISO	5775	1	75.695	>=0.5	Pass

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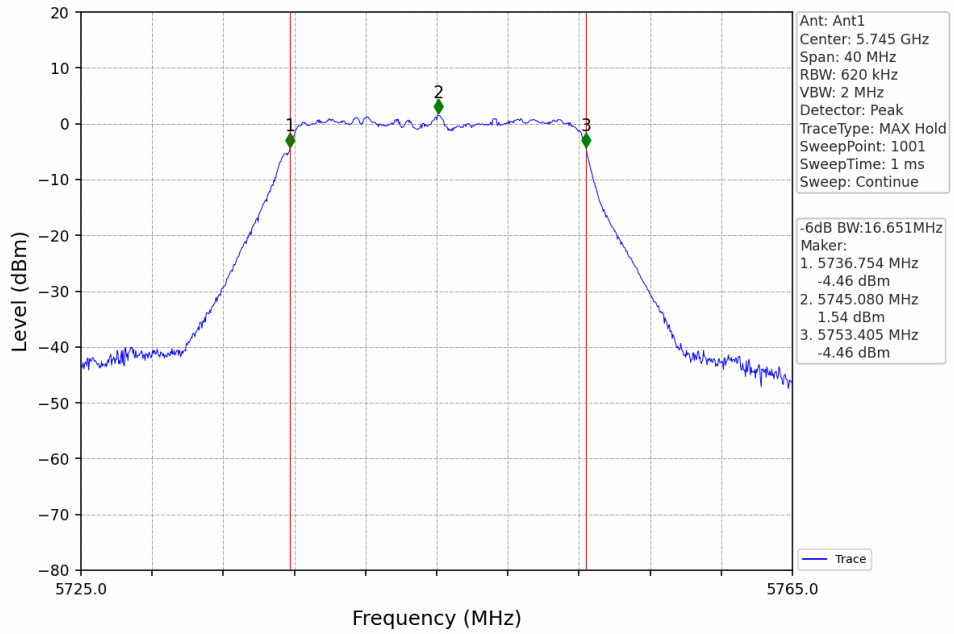
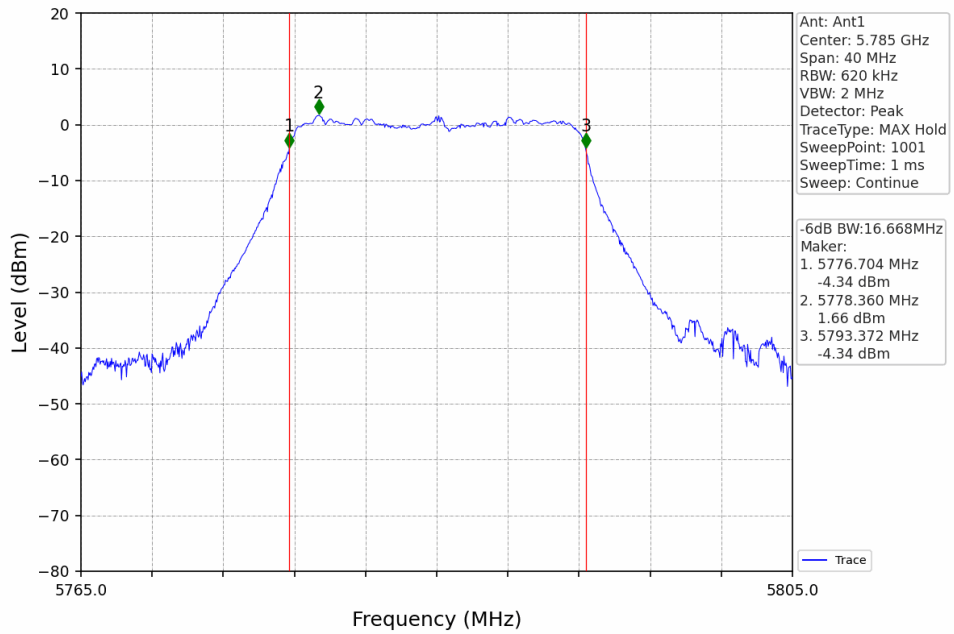
2.2.2 Test Graph

802.11a_LCH_5745MHz_Ant1_NTNV



802.11a_MCH_5785MHz_Ant1_NTNV



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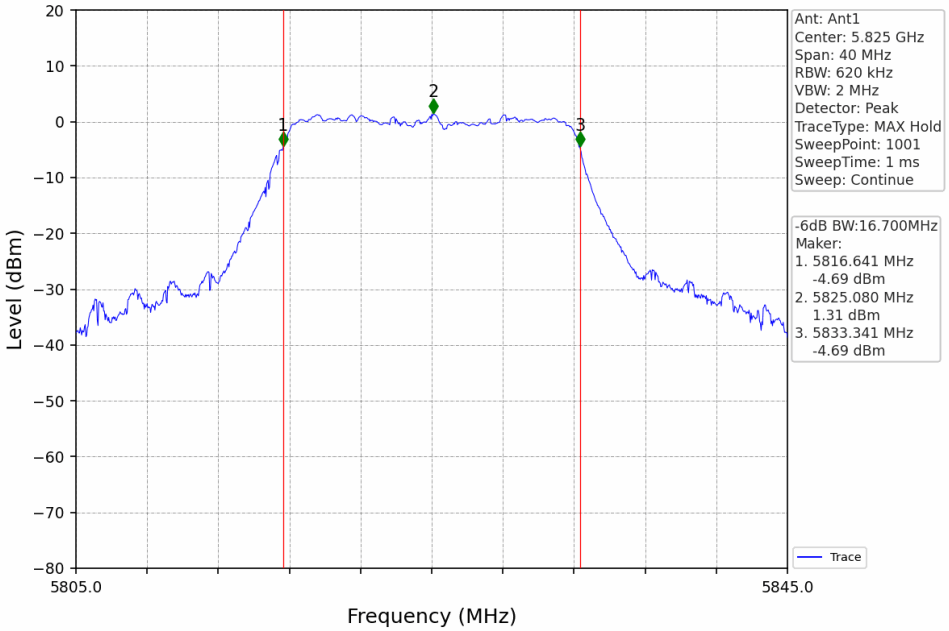
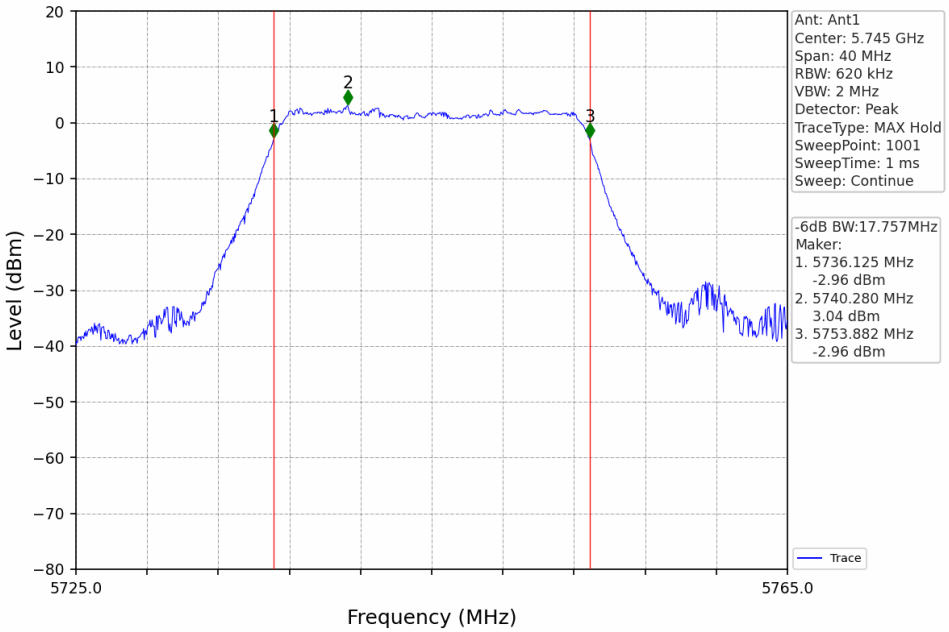
802.11a_HCH_5825MHz_Ant1_NTNV



802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



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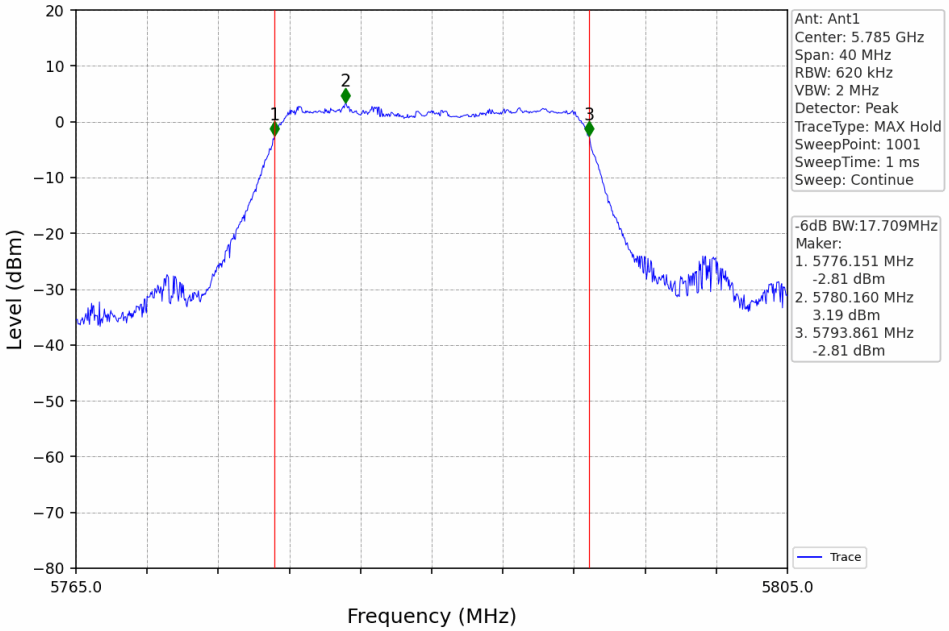
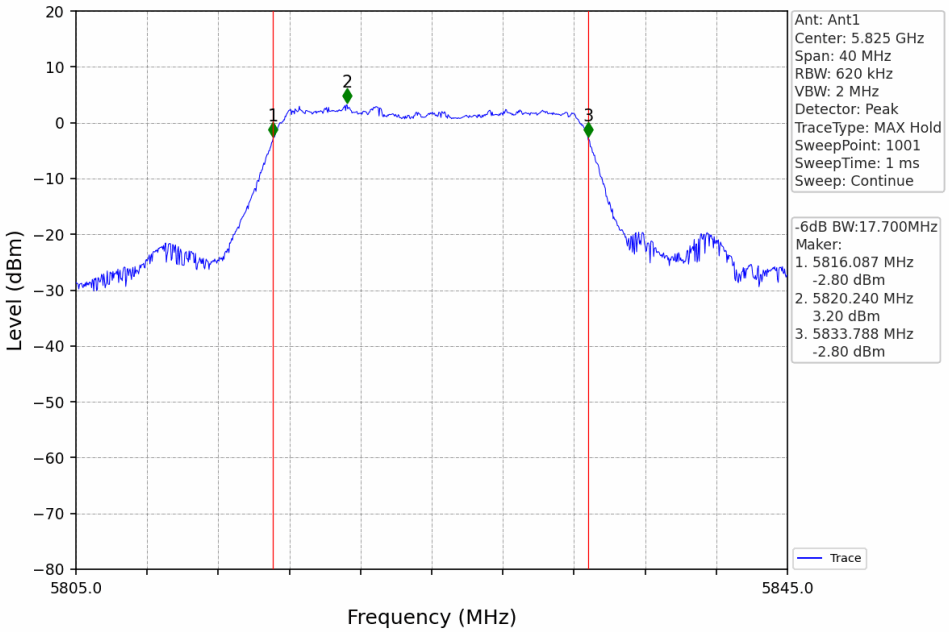
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



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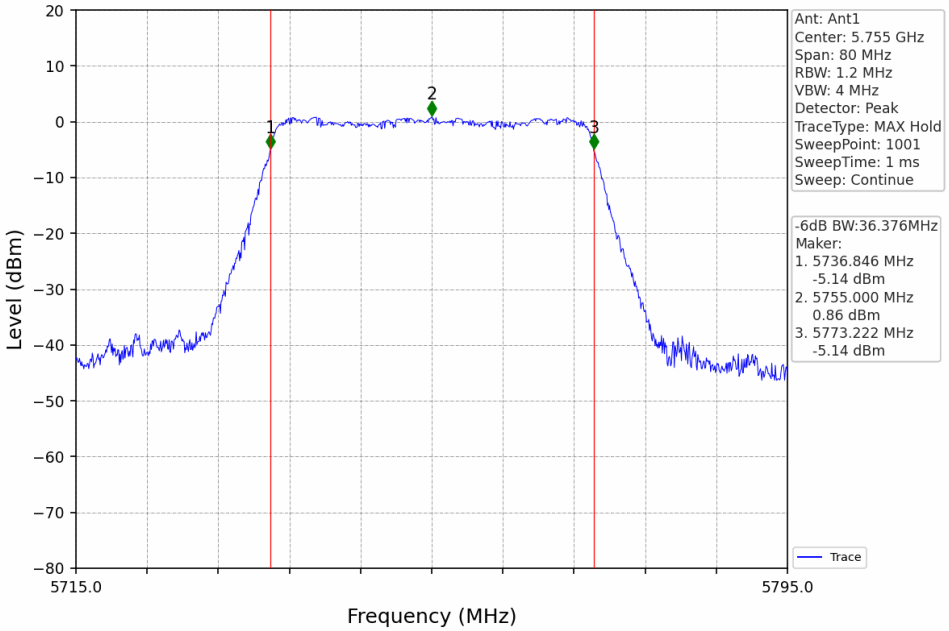
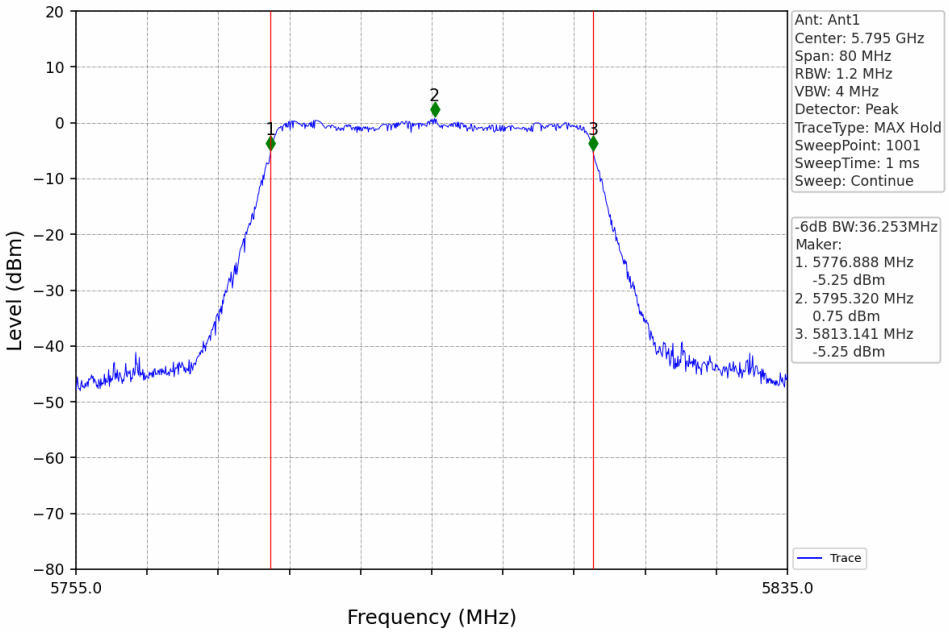
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



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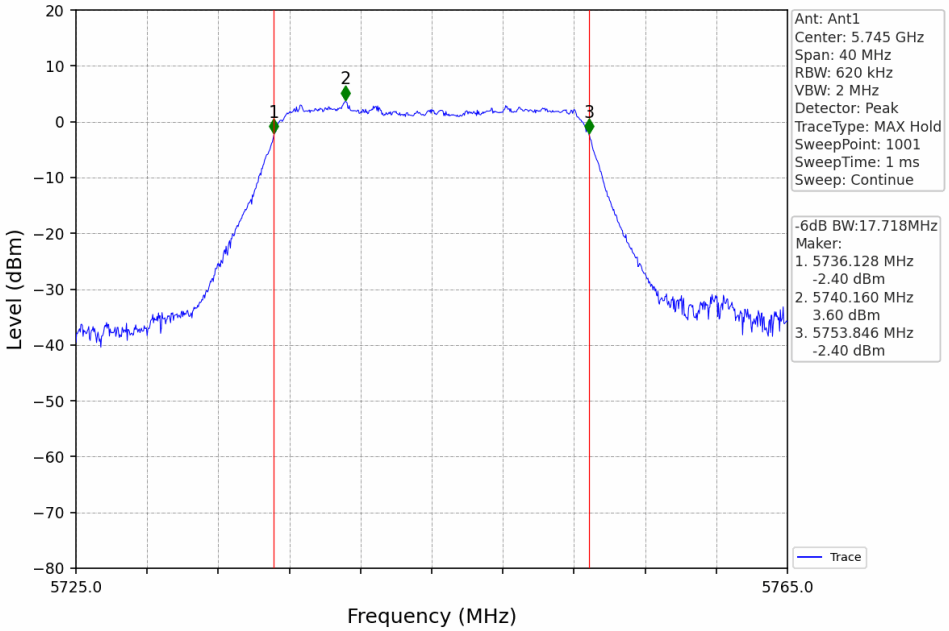
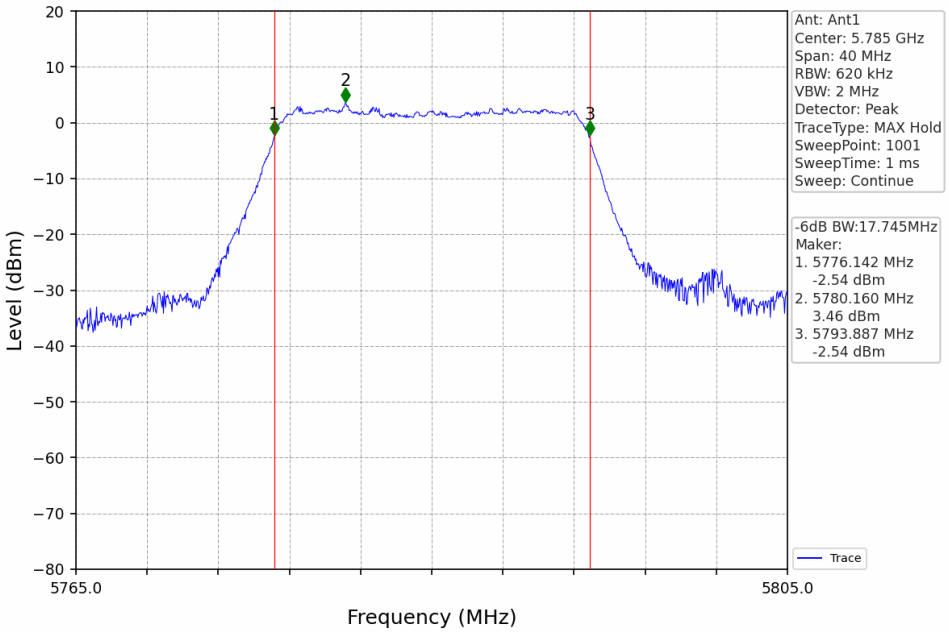
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



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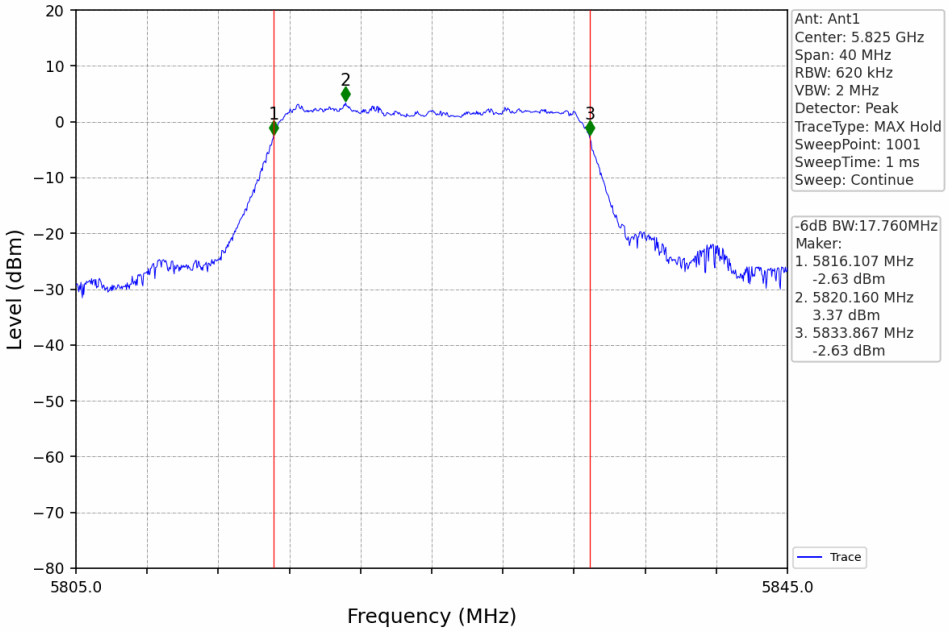
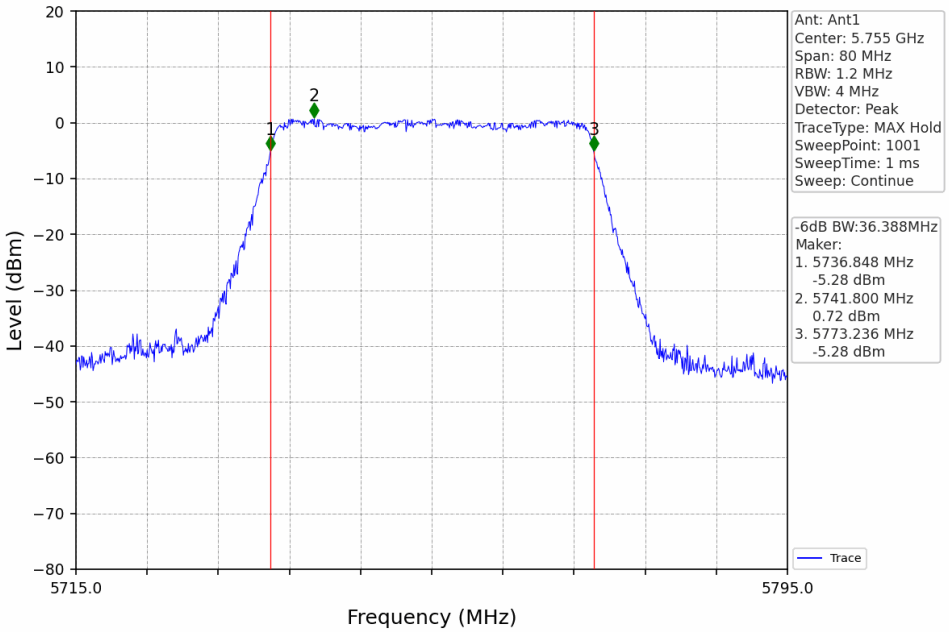
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



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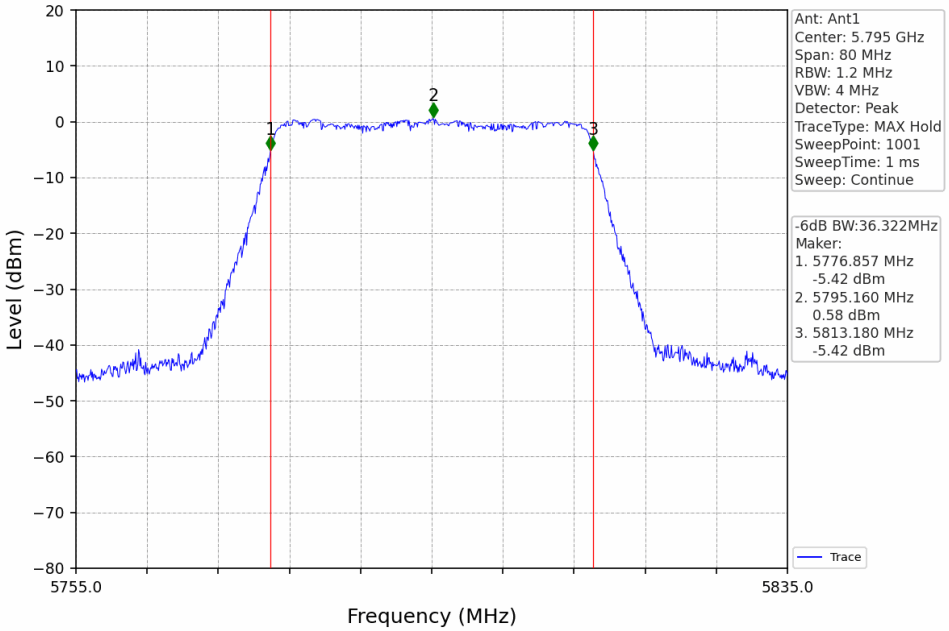
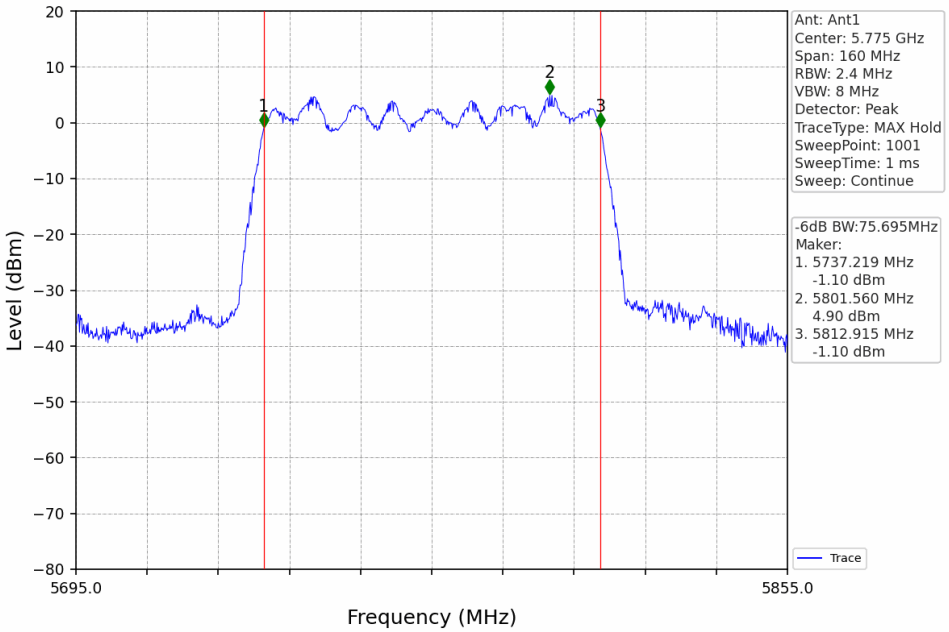
802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



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) Result	Verdict
802.11a	SISO	5180	1	22.215	Pass
		5200	1	22.395	Pass
		5240	1	22.384	Pass
		5260	1	22.058	Pass
		5300	1	22.316	Pass
		5320	1	22.289	Pass
		5500	1	22.317	Pass
		5580	1	22.155	Pass
		5700	1	22.326	Pass
802.11n (HT20)	SISO	5180	1	22.786	Pass
		5200	1	22.842	Pass
		5240	1	22.820	Pass
		5260	1	22.468	Pass
		5300	1	22.857	Pass
		5320	1	22.511	Pass
		5500	1	22.750	Pass
		5580	1	27.763	Pass
		5700	1	22.659	Pass
802.11n (HT40)	SISO	5190	1	43.520	Pass
		5230	1	43.953	Pass
		5270	1	43.452	Pass
		5310	1	43.649	Pass
		5510	1	43.449	Pass
		5550	1	48.325	Pass
		5670	1	44.224	Pass
802.11ac (VHT20)	SISO	5180	1	22.618	Pass
		5200	1	22.760	Pass
		5240	1	22.486	Pass
		5260	1	22.471	Pass
		5300	1	22.751	Pass
		5320	1	22.764	Pass
		5500	1	22.871	Pass
		5580	1	27.754	Pass
		5700	1	22.674	Pass
802.11ac	SISO	5190	1	43.470	Pass

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(VHT40)		5230	1	43.679	Pass
		5270	1	43.449	Pass
		5310	1	43.817	Pass
		5510	1	43.049	Pass
		5550	1	44.584	Pass
		5670	1	44.014	Pass
802.11ac (VHT80)	SISO	5210	1	83.181	Pass
		5290	1	83.917	Pass
		5530	1	83.443	Pass
		5610	1	83.808	Pass

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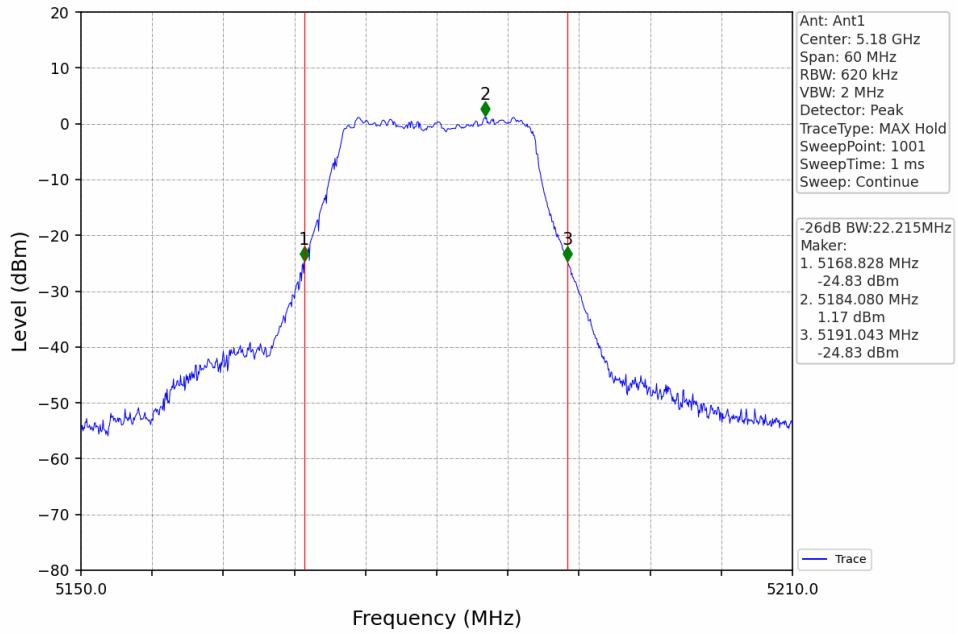
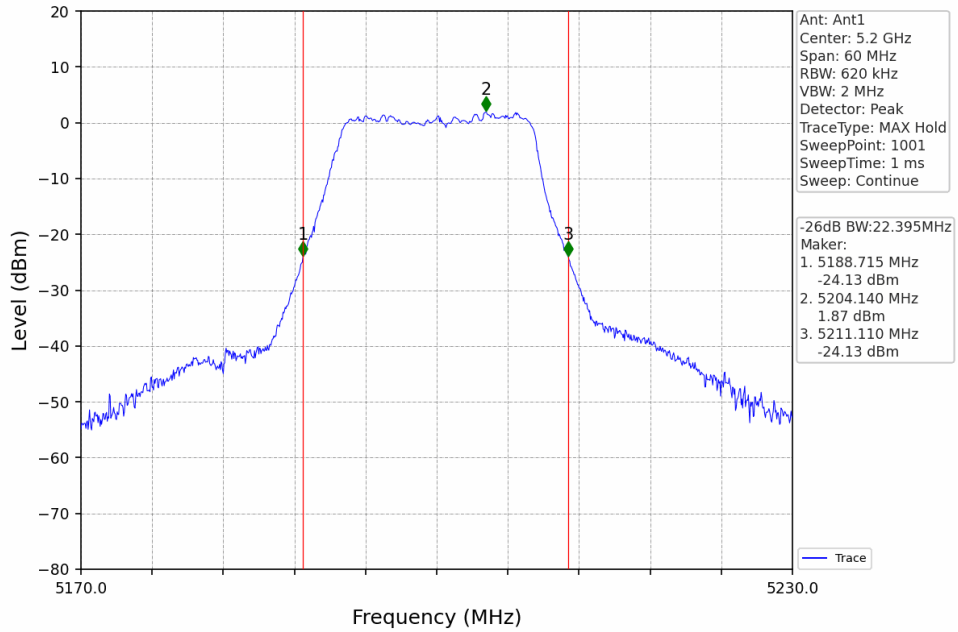
2.3.2 Test Graph

802.11a_LCH_5180MHz_Ant1_NTNV



802.11a_MCH_5200MHz_Ant1_NTNV



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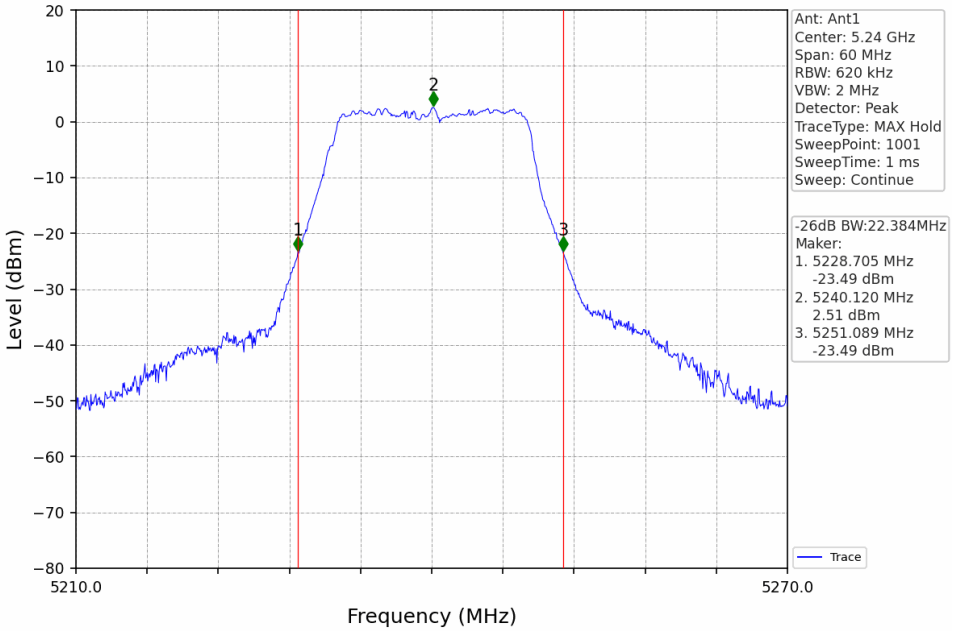
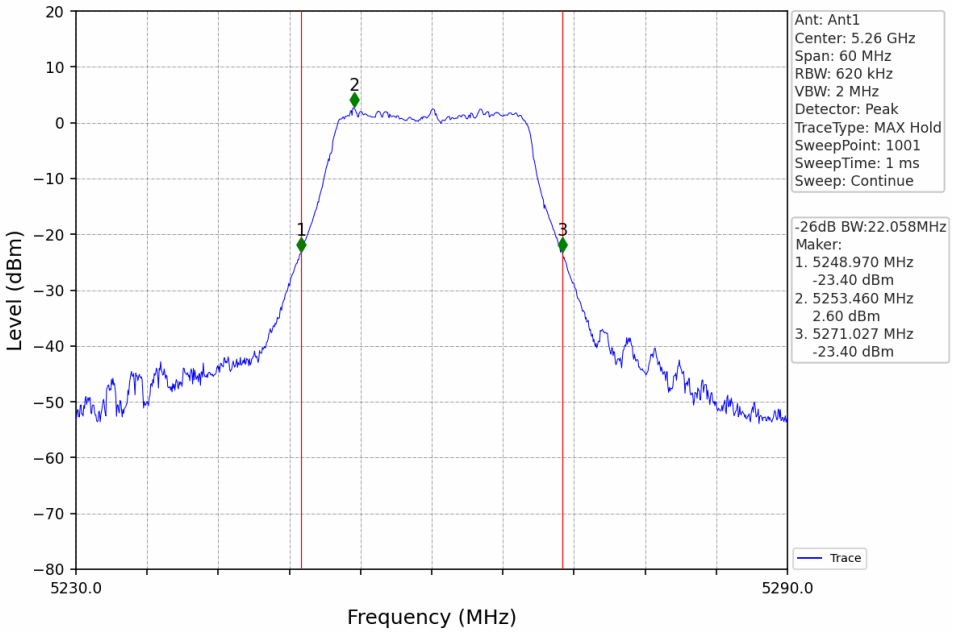
802.11a_HCH_5240MHz_Ant1_NTNV



802.11a_LCH_5260MHz_Ant1_NTNV



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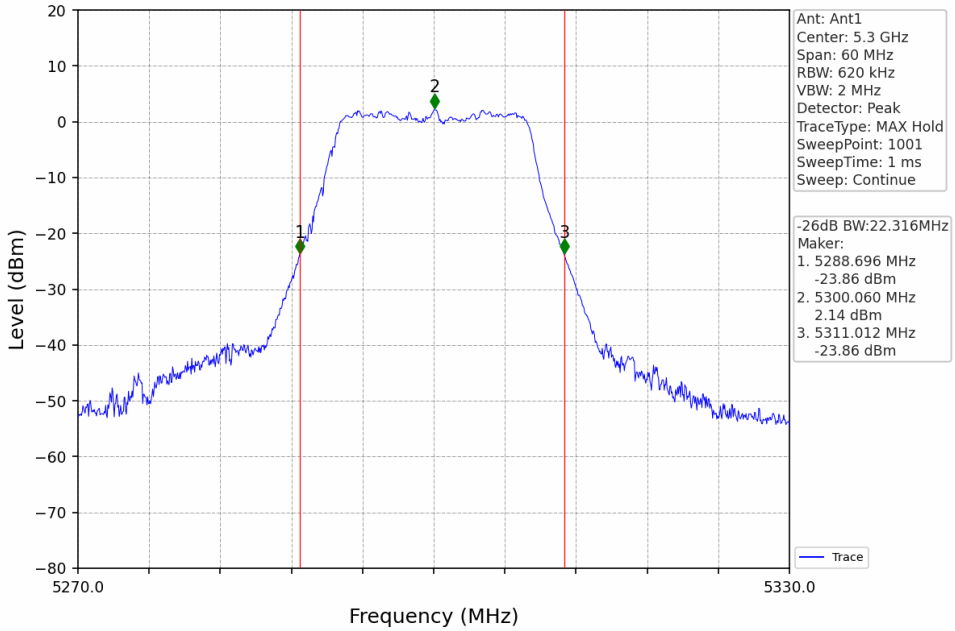
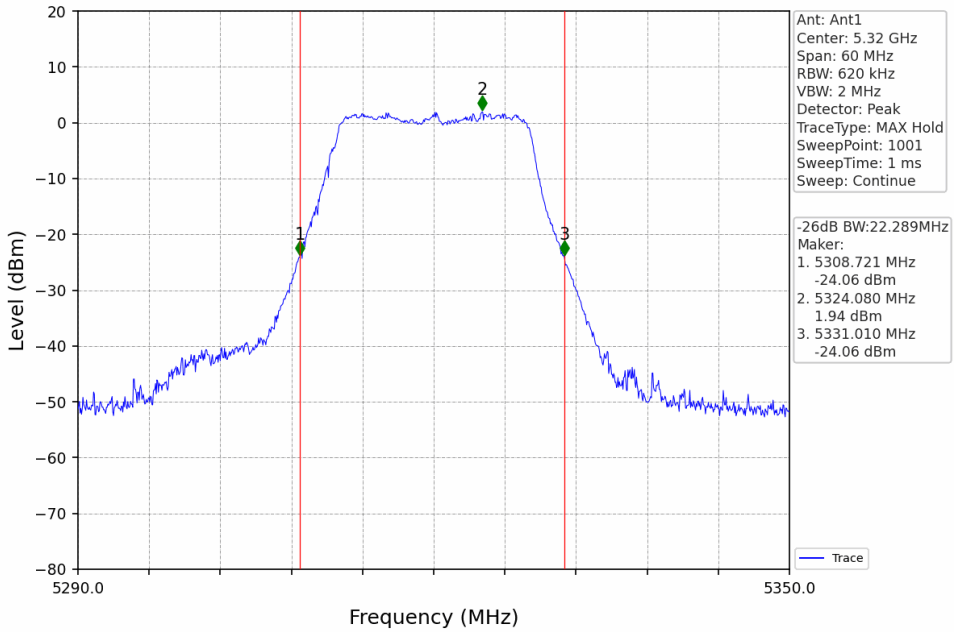
802.11a_MCH_5300MHz_Ant1_NTNV



802.11a_HCH_5320MHz_Ant1_NTNV



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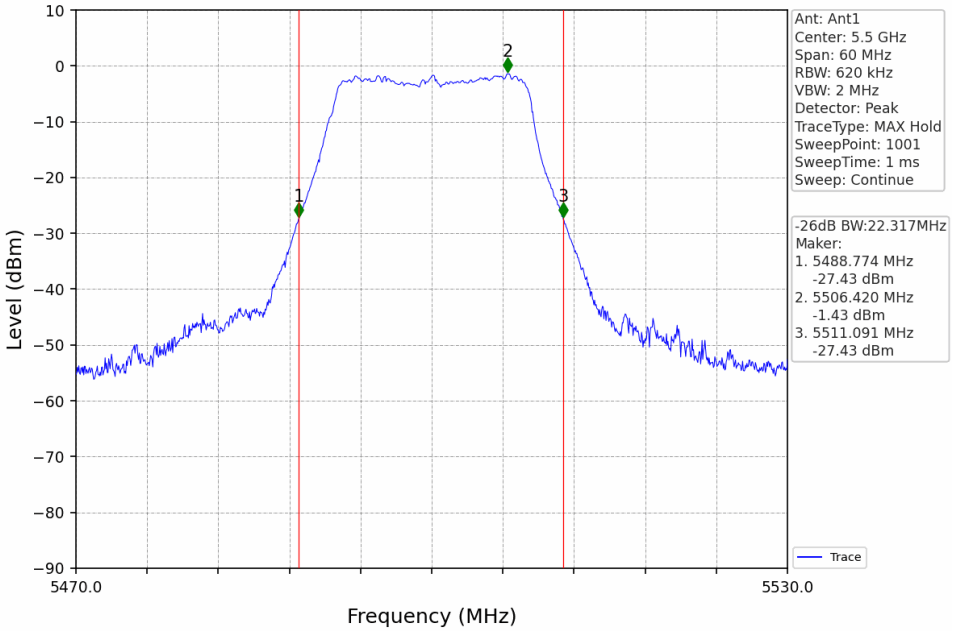
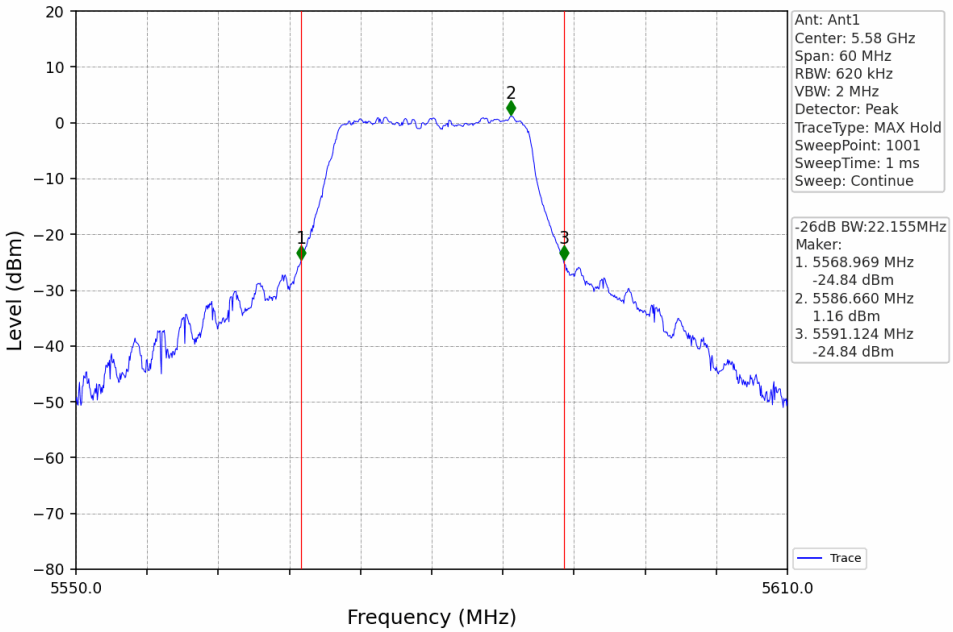
802.11a_LCH_5500MHz_Ant1_NTNV



802.11a_MCH_5580MHz_Ant1_NTNV



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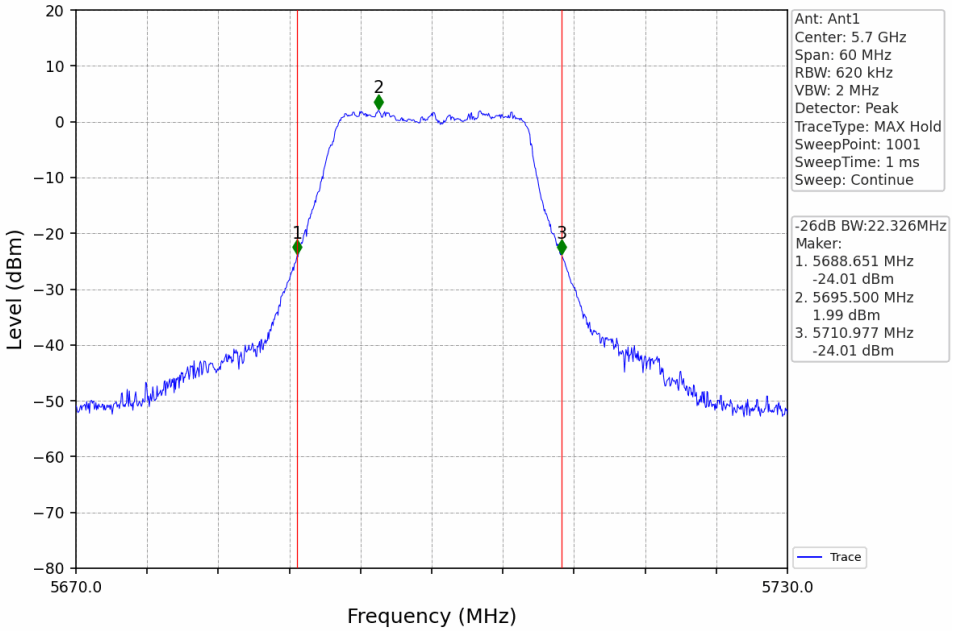
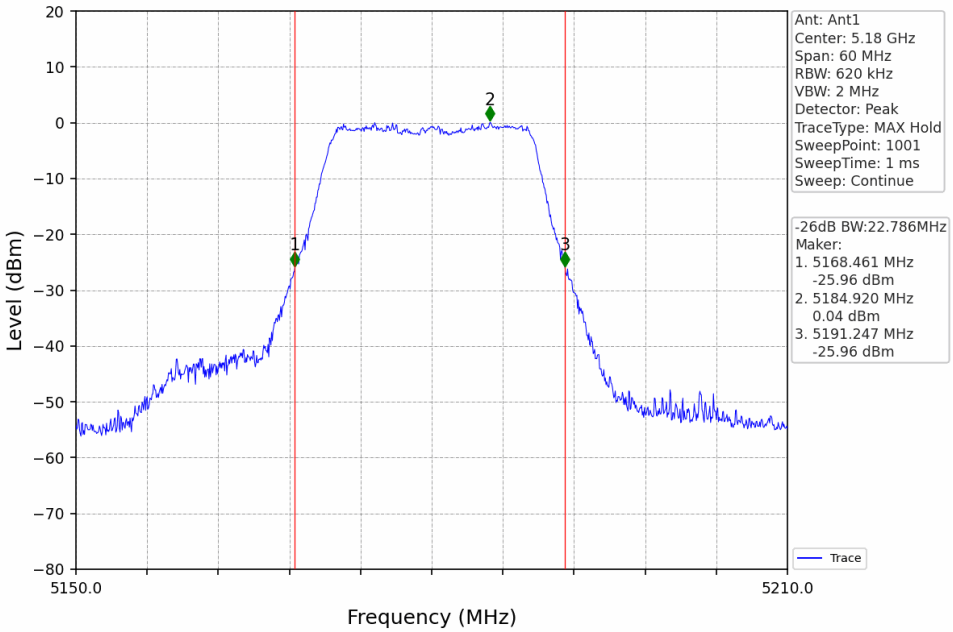
802.11a_HCH_5700MHz_Ant1_NTNV



802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



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