

Appendix B for SHCR211100079302

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	1.396	1.495	93.38	0.30	0.03
		5200	1.396	1.494	93.44	0.29	0.03
		5240	1.396	1.495	93.38	0.30	0.03
		5260	1.395	1.494	93.37	0.30	0.03
		5300	1.395	1.494	93.37	0.30	0.03
		5320	1.396	1.494	93.44	0.29	0.03
		5500	1.395	1.494	93.37	0.30	0.03
		5580	1.395	1.494	93.37	0.30	0.03
		5700	1.397	1.496	93.38	0.30	0.03
		5745	1.395	1.495	93.31	0.30	0.03
802.11n (HT20)	MIMO	5180	1.308	1.407	92.96	0.32	0.03
		5200	1.307	1.406	92.96	0.32	0.03
		5240	1.307	1.406	92.96	0.32	0.03
		5260	1.308	1.407	92.96	0.32	0.03
		5300	1.308	1.406	93.03	0.31	0.03
		5320	1.308	1.406	93.03	0.31	0.03
		5500	1.308	1.407	92.96	0.32	0.03
		5580	1.307	1.406	92.96	0.32	0.00
		5700	1.307	1.406	92.96	0.32	0.03
		5745	1.308	1.407	92.96	0.32	0.00
802.11n (HT40)	MIMO	5190	0.648	0.868	74.65	1.27	0.02
		5230	0.647	0.867	74.63	1.27	0.07
		5270	0.648	0.747	86.75	0.62	0.04
		5310	0.648	0.867	74.74	1.26	0.03
		5510	0.648	0.867	74.74	1.26	0.03
		5550	0.648	0.868	74.65	1.27	0.03
		5670	0.647	0.747	86.61	0.62	0.04
		5755	0.648	0.868	74.65	1.27	0.03
802.11ac (VHT20)	MIMO	5180	1.932	1.951	99.03	0.04	0.03
		5200	1.931	1.950	99.03	0.04	0.03
		5240	1.931	1.950	99.03	0.04	0.03
		5260	1.931	1.950	99.03	0.04	0.03
		5300	1.931	1.950	99.03	0.04	0.03
		5320	1.931	1.951	98.97	0.04	0.03
		5500	1.932	1.951	99.03	0.04	0.03
		5580	1.932	1.951	99.03	0.04	0.03
5700	1.931	1.951	98.97	0.04	0.03		

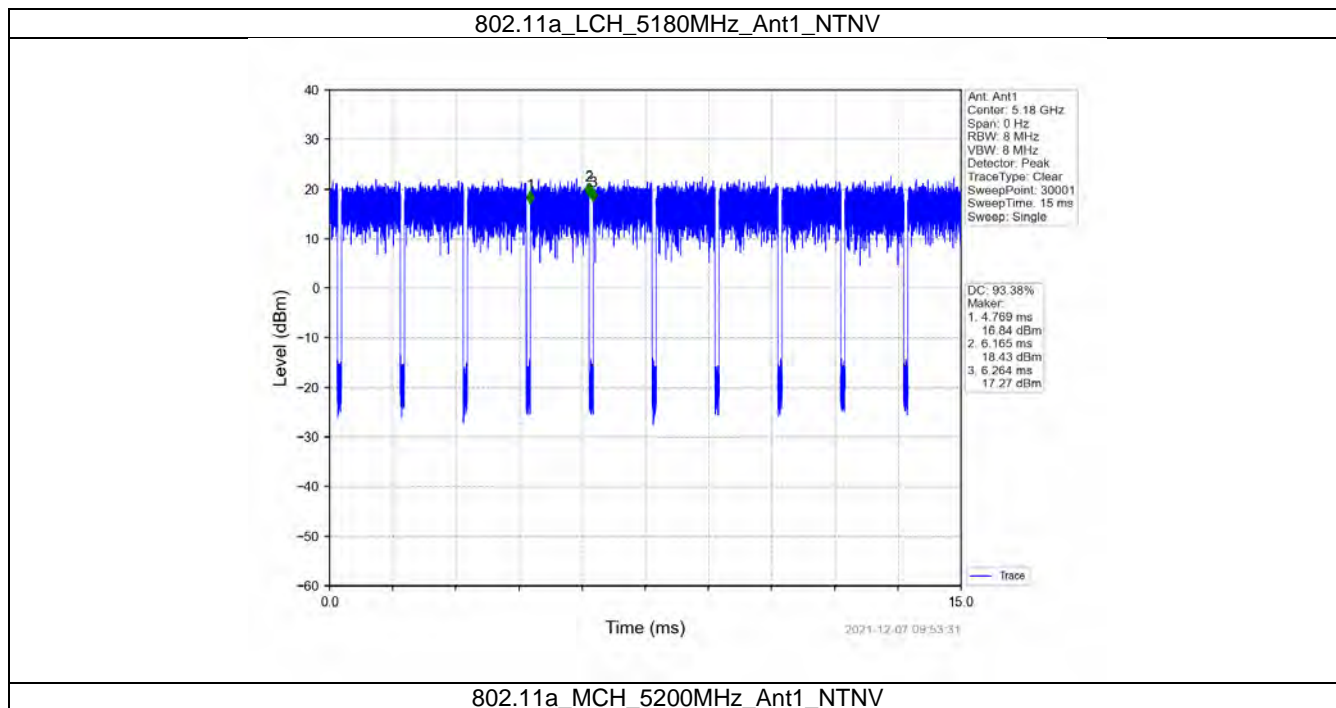
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		5745	1.931	1.951	98.97	0.04	0.03
		5785	1.932	1.951	99.03	0.04	0.03
		5825	1.932	1.952	98.98	0.04	0.03
802.11ac (VHT40)	MIMO	5190	1.543	1.563	98.72	0.06	0.03
		5230	1.544	1.563	98.78	0.05	0.03
		5270	1.543	1.563	98.72	0.06	0.03
		5310	1.543	1.562	98.78	0.05	0.00
		5510	1.544	1.563	98.78	0.05	0.03
		5550	1.543	1.562	98.78	0.05	0.00
		5670	1.543	1.563	98.72	0.06	0.03
		5755	1.544	1.563	98.78	0.05	0.03
		5795	1.544	1.564	98.72	0.06	0.03
802.11ac (VHT80)	MIMO	5210	2.240	2.260	99.12	0.04	0.04
		5290	2.240	2.260	99.12	0.04	0.04
		5530	2.240	2.260	99.12	0.04	0.04
		5610	2.239	2.259	99.11	0.04	0.04
		5775	2.240	2.260	99.12	0.04	0.04

1.1.2 Test Graph

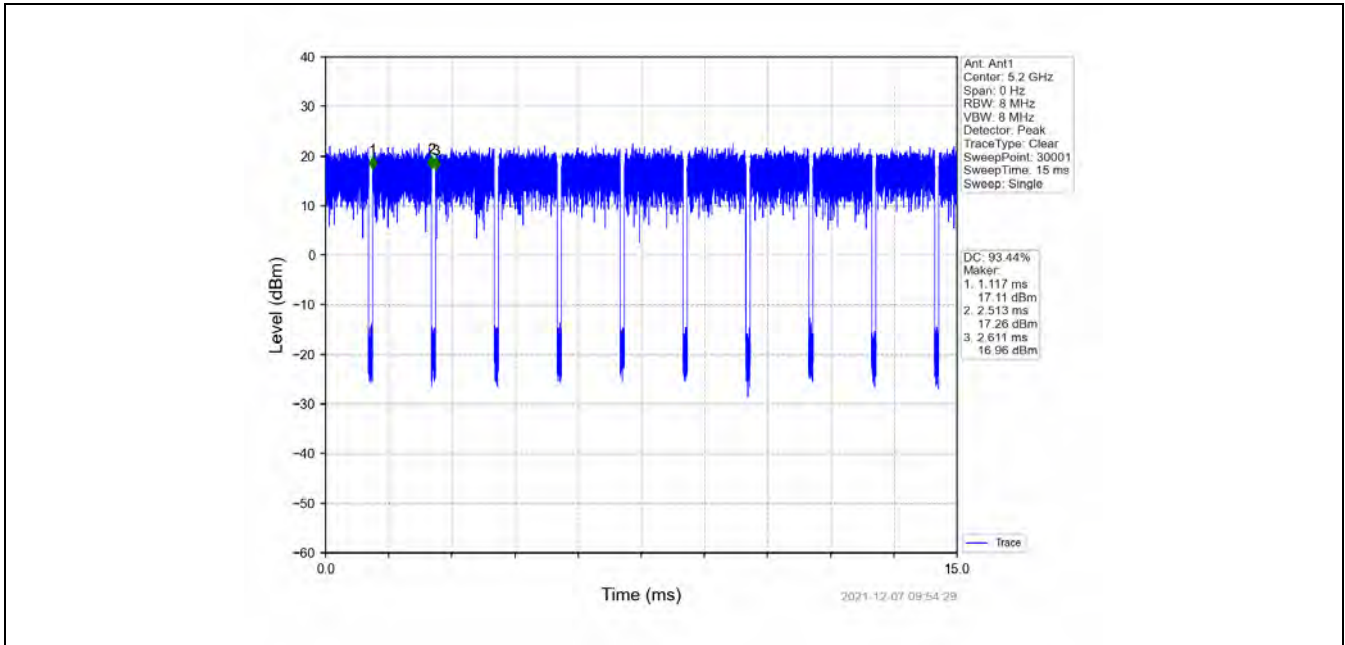


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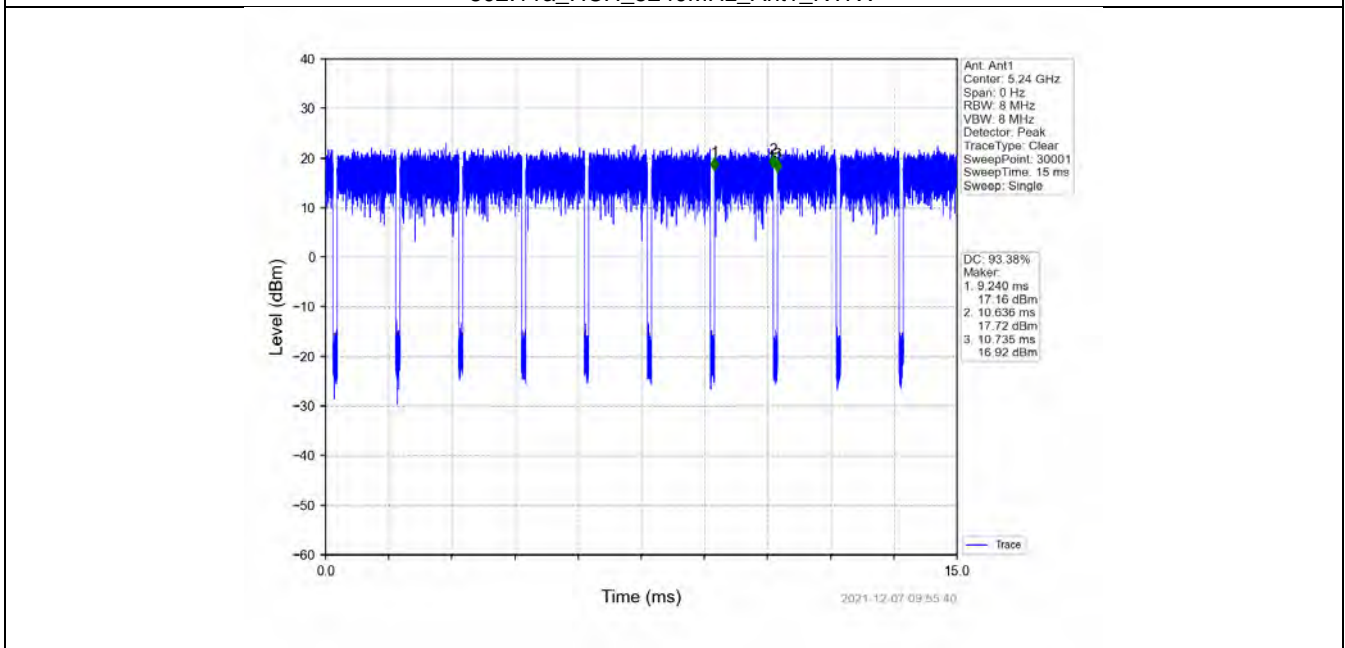
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802.11a_HCH_5240MHz_Ant1_NTNV

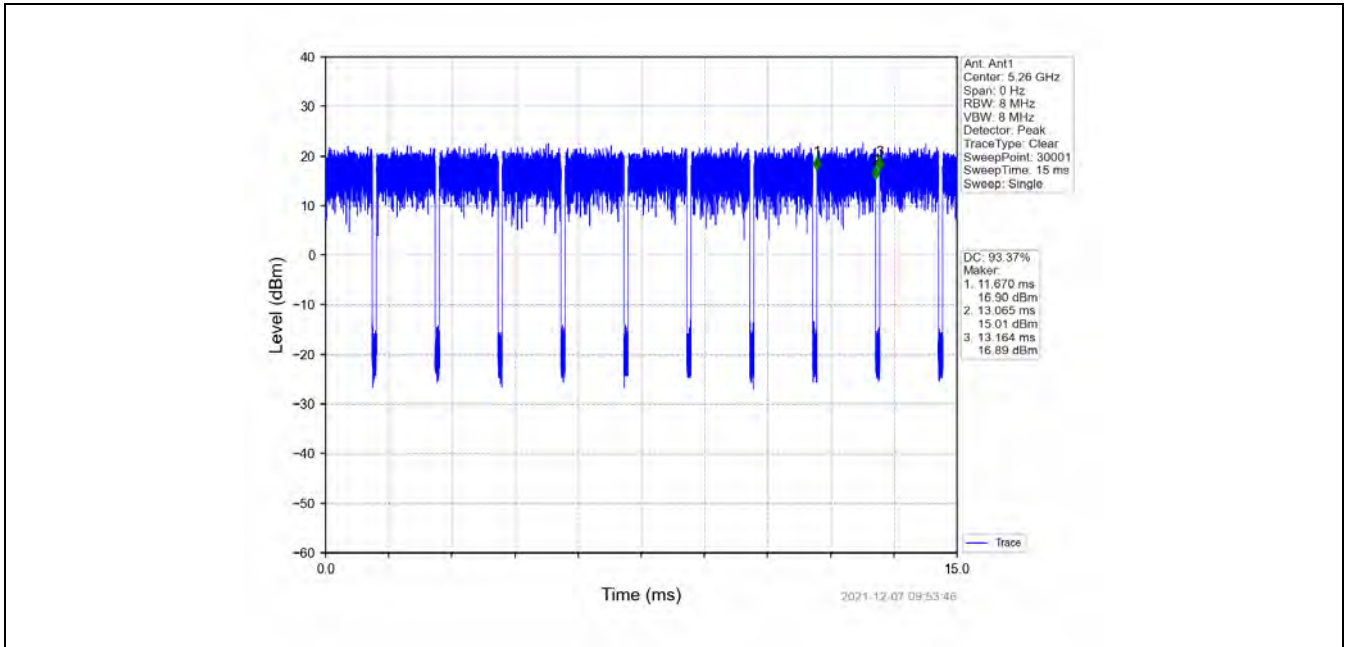


802.11a_LCH_5260MHz_Ant1_NTNV

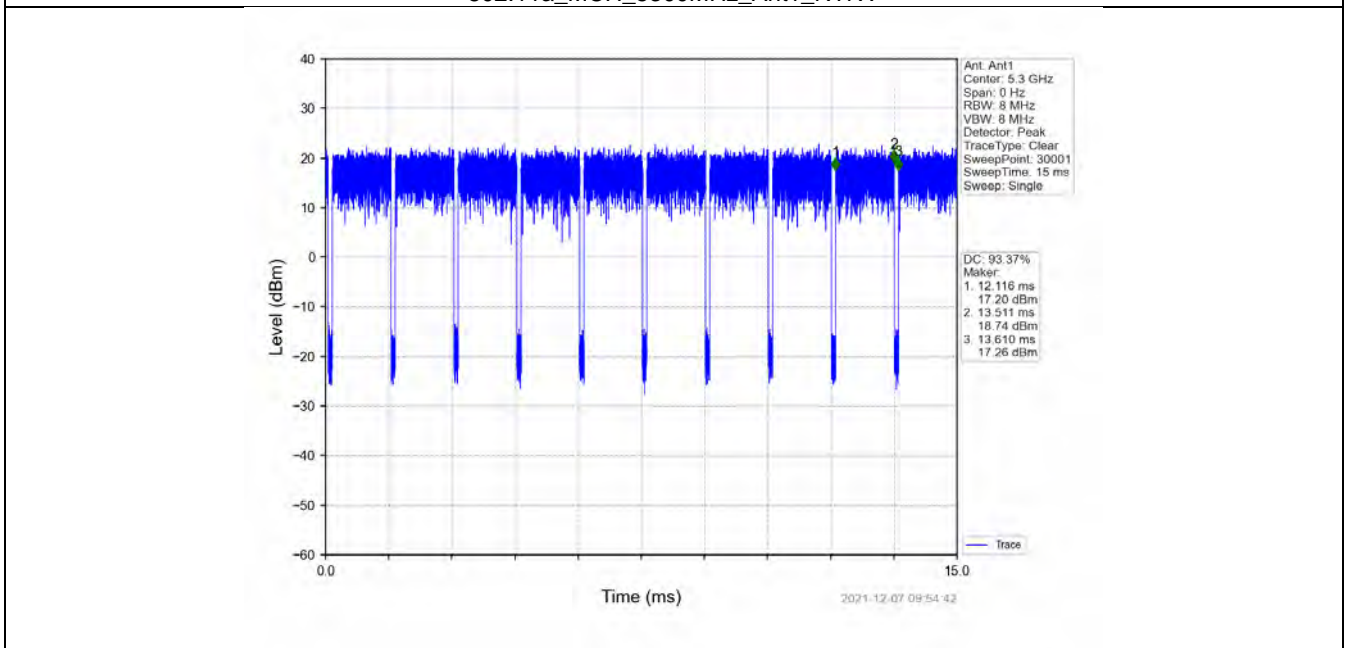


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802.11a_MCH_5300MHz_Ant1_NTNV

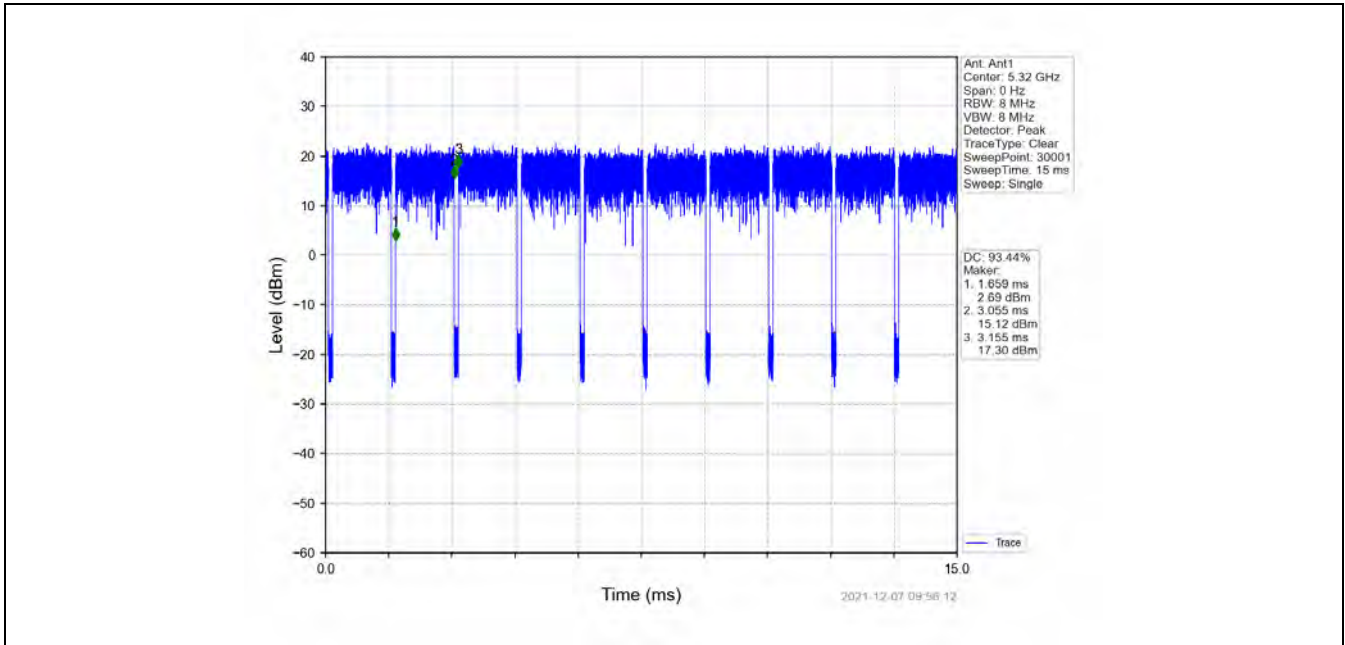


802.11a_HCH_5320MHz_Ant1_NTNV

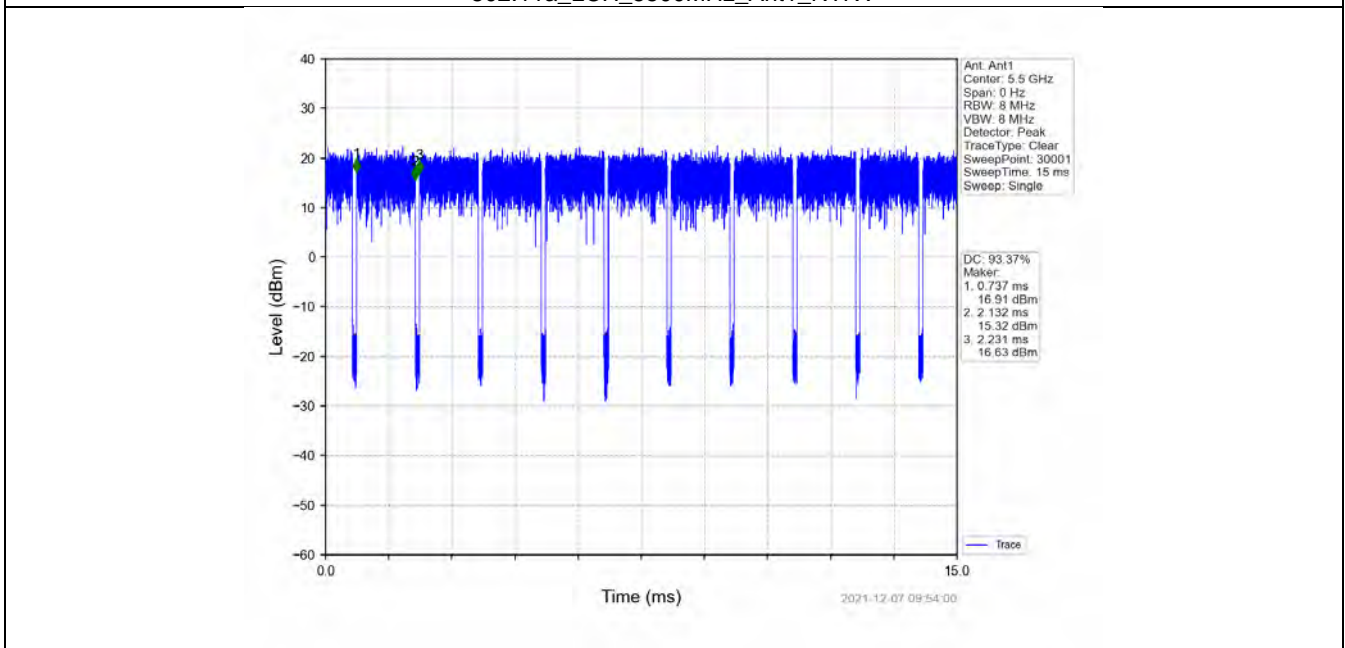


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802.11a_LCH_5500MHz_Ant1_NTNV

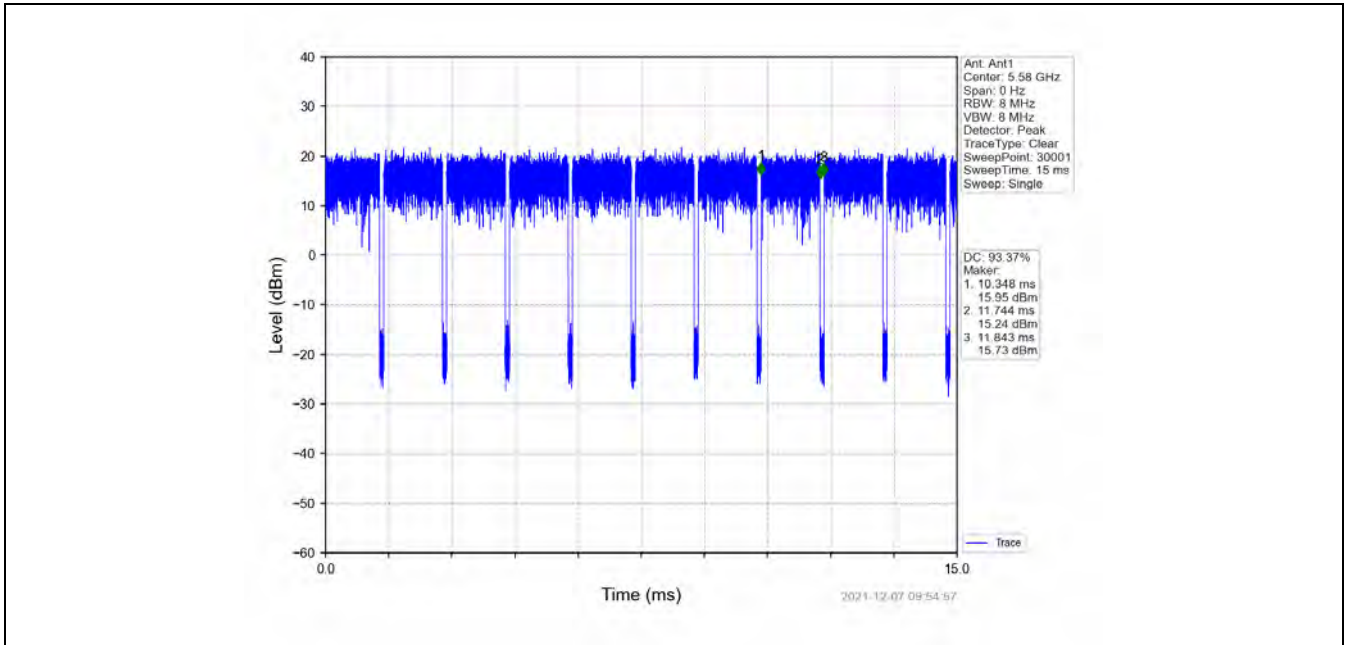


802.11a_MCH_5580MHz_Ant1_NTNV

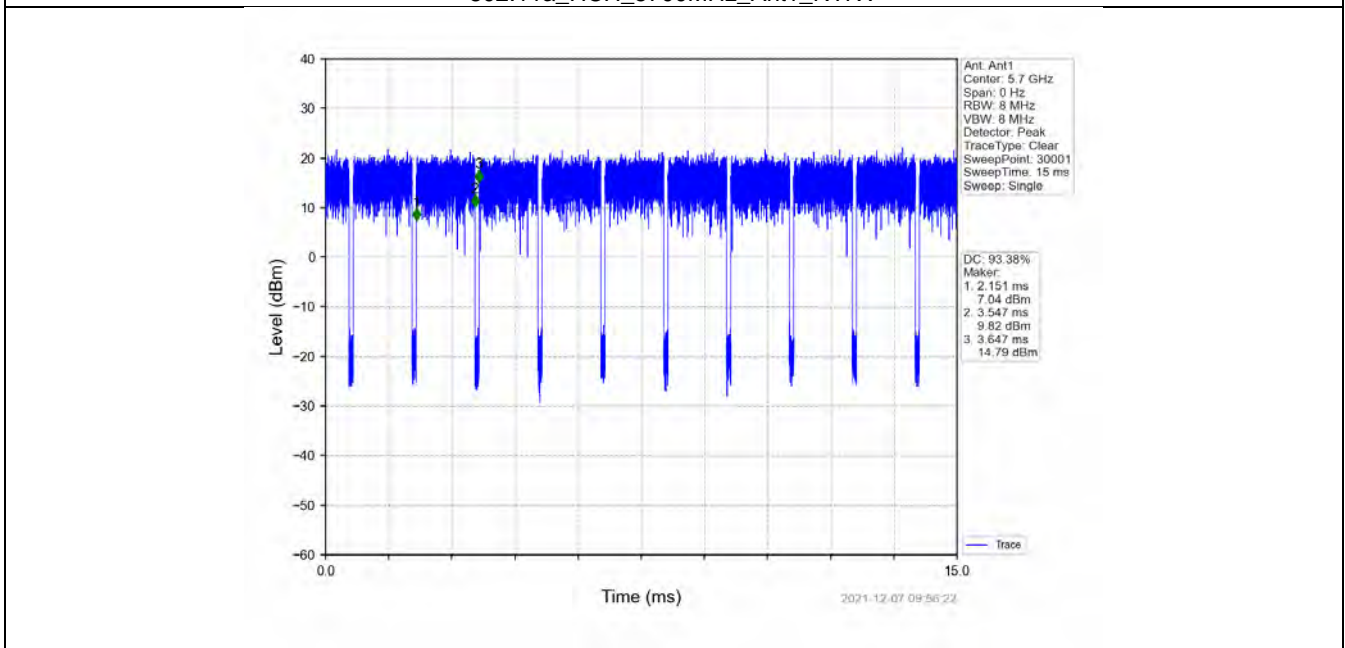


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802.11a_HCH_5700MHz_Ant1_NTNV

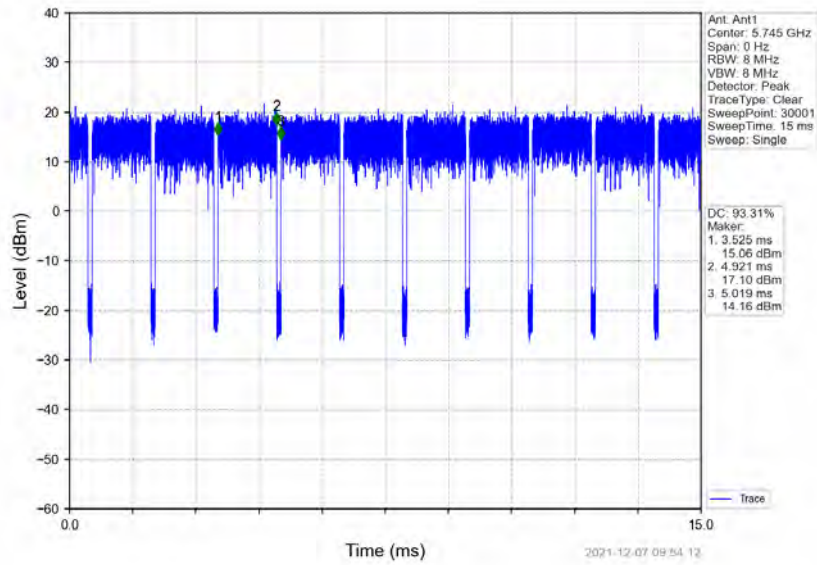


802.11a_LCH_5745MHz_Ant1_NTNV

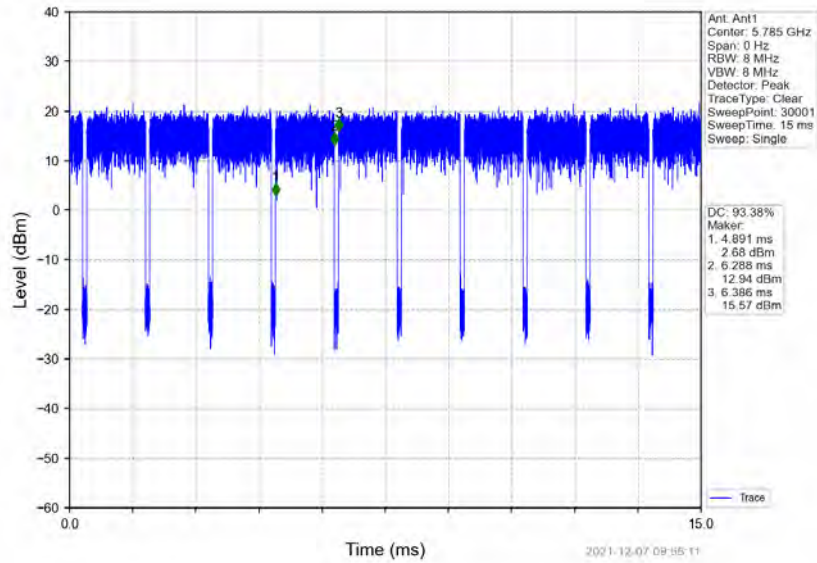


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802.11a_MCH_5785MHz_Ant1_NTNV

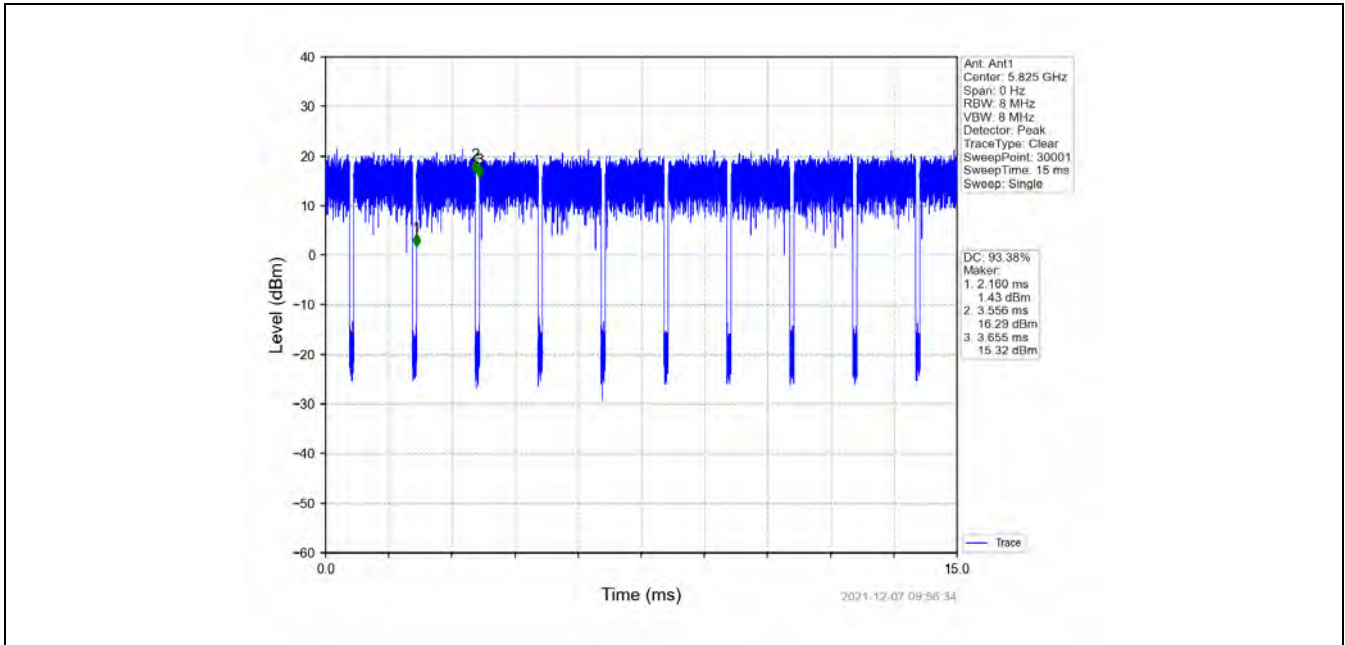


802.11a_HCH_5825MHz_Ant1_NTNV

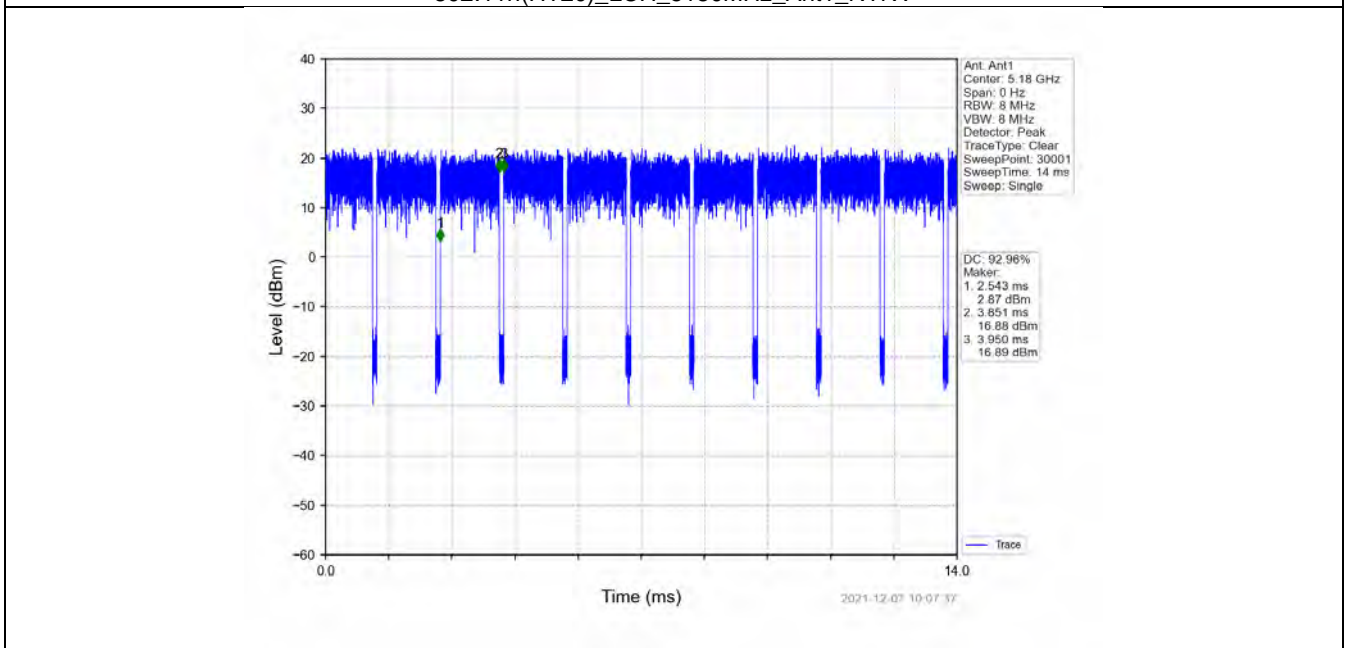


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802.11n(HT20)_LCH_5180MHz_Ant1_NTNV

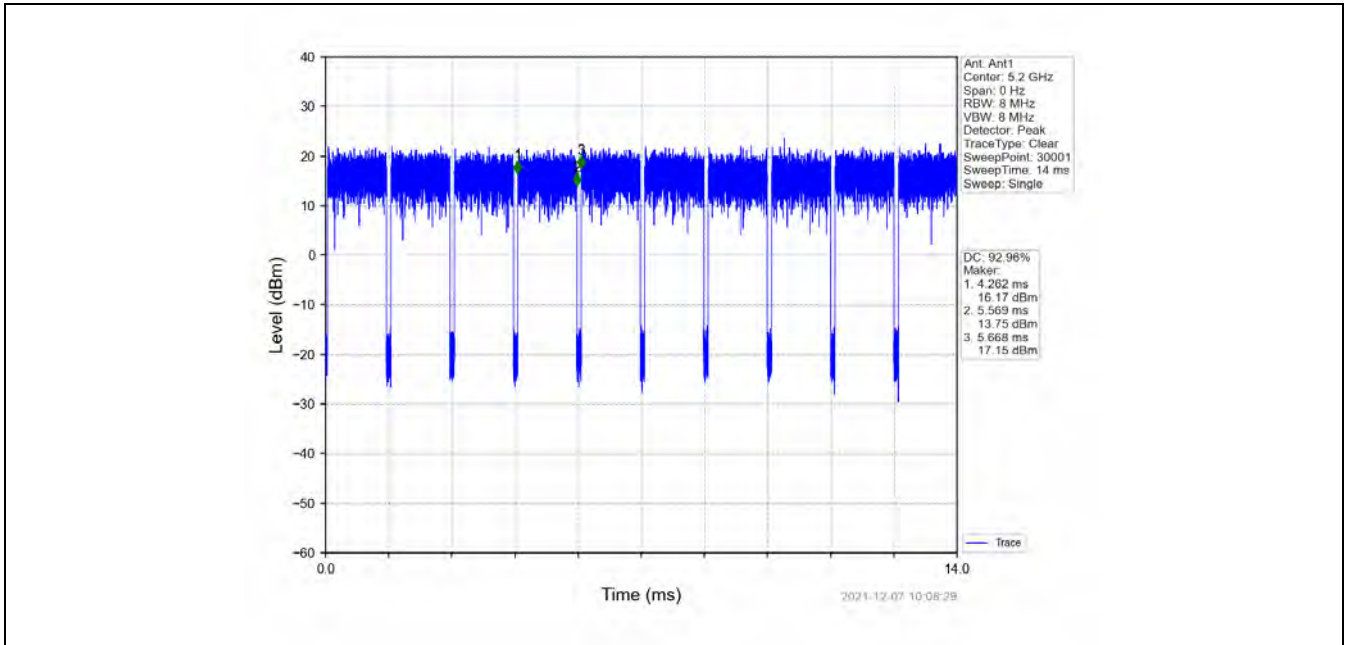


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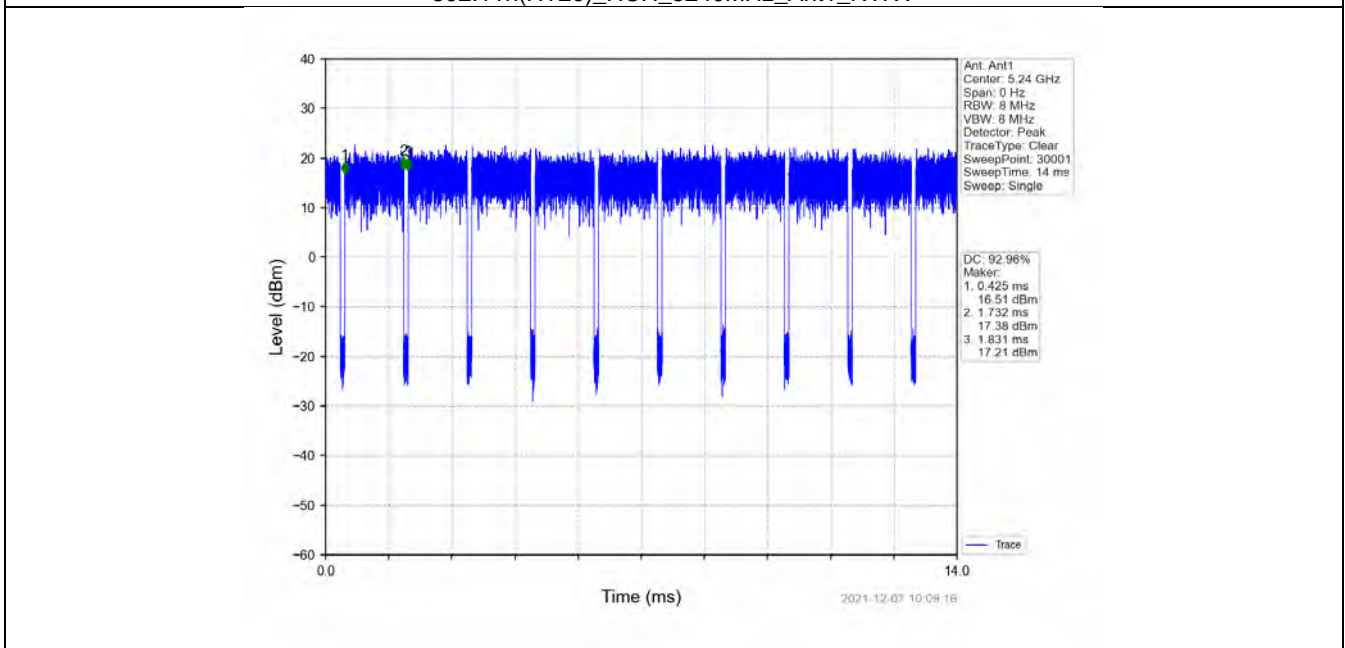


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802.11n(HT20)_HCH_5240MHz_Ant1_NTNV

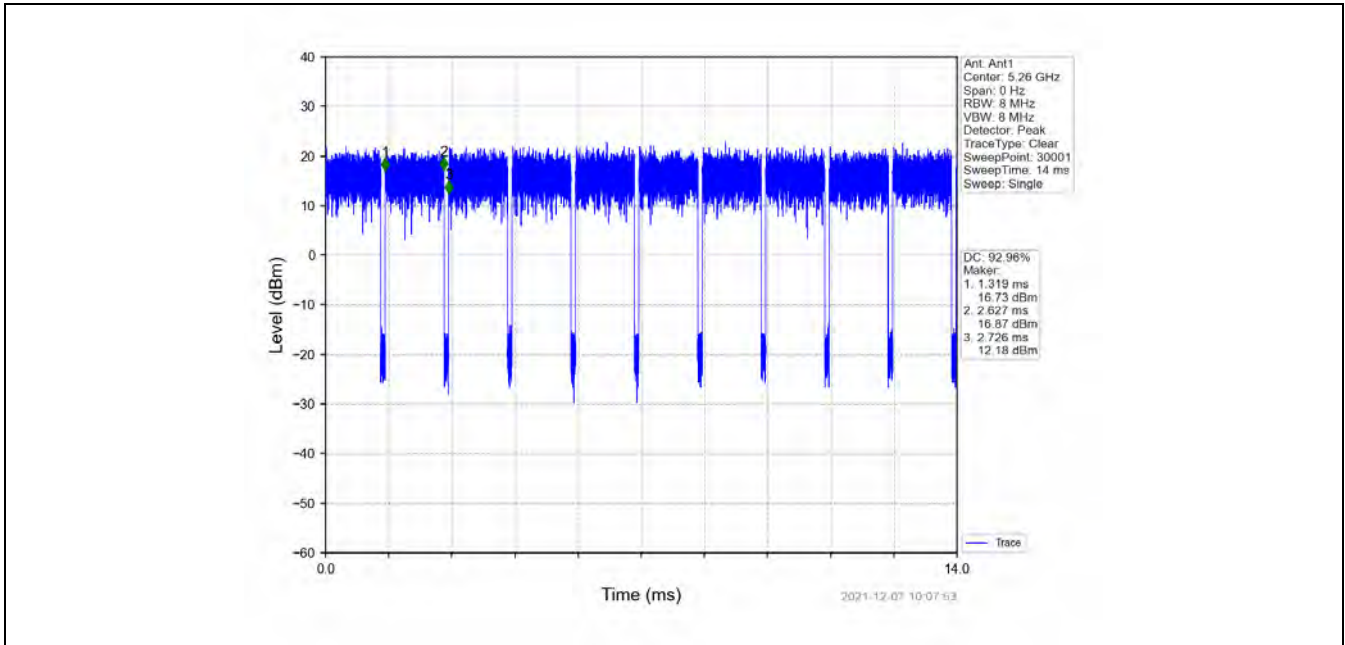


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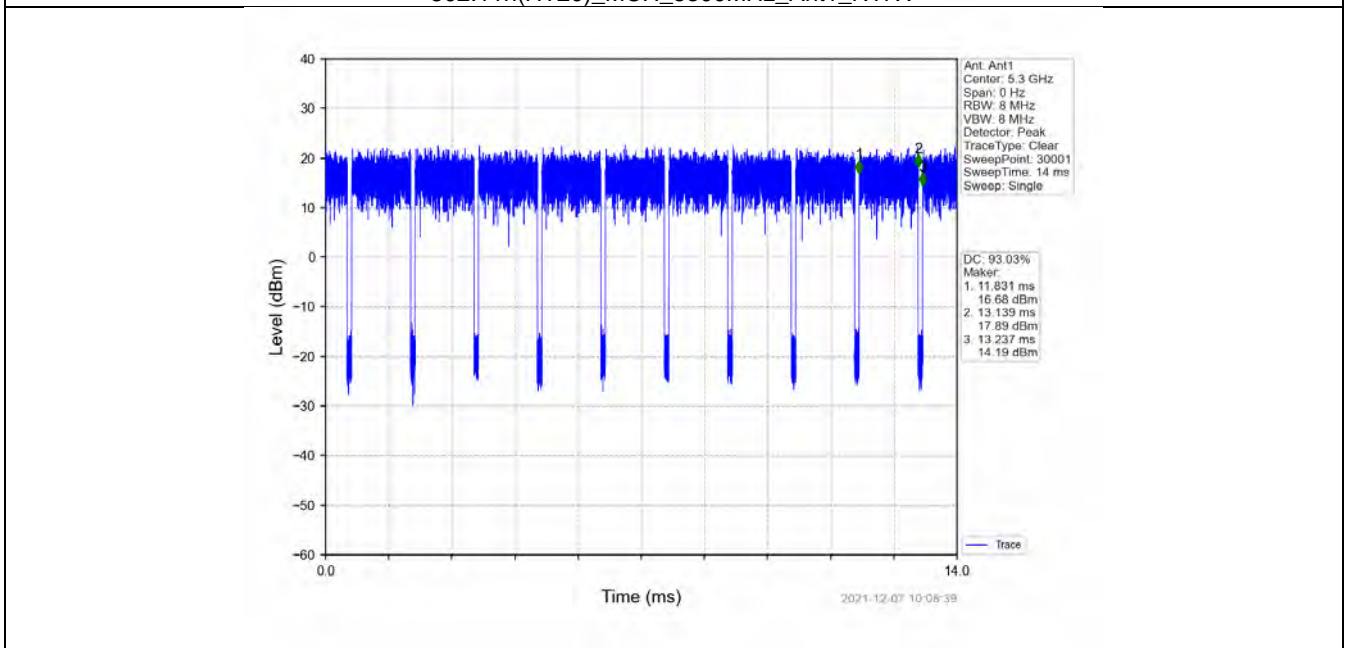


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802.11n(HT20)_MCH_5300MHz_Ant1_NTNV

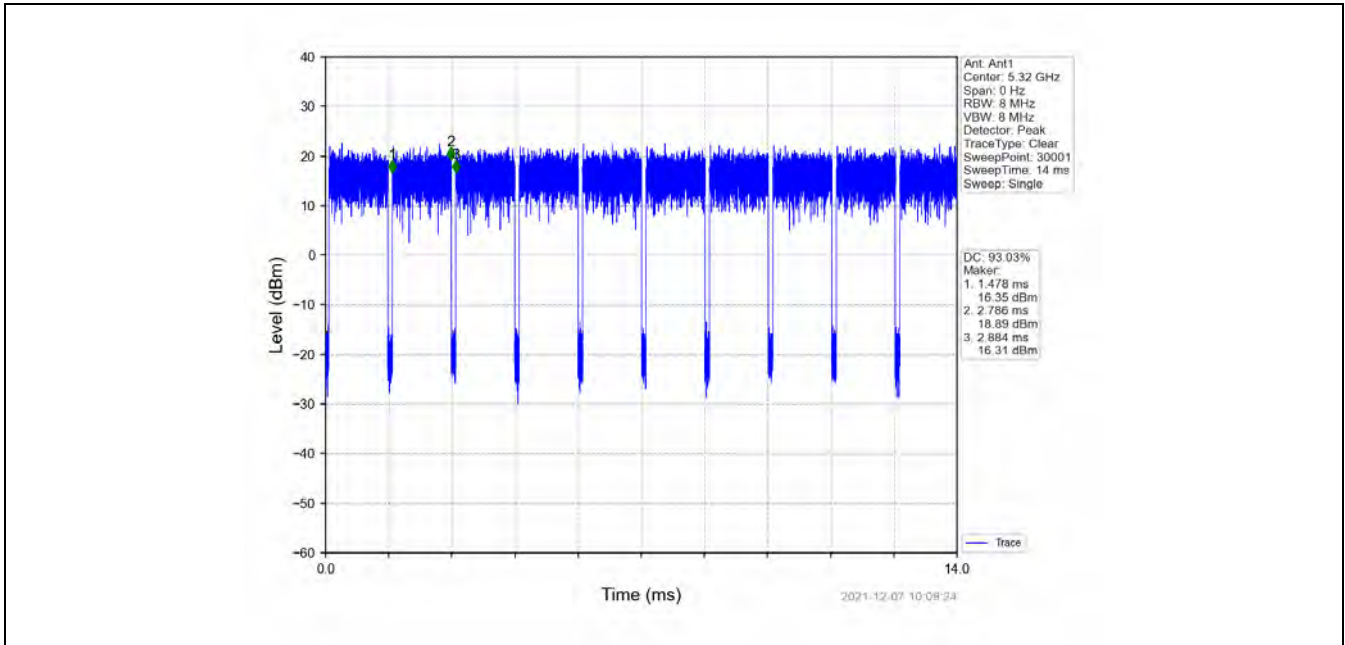


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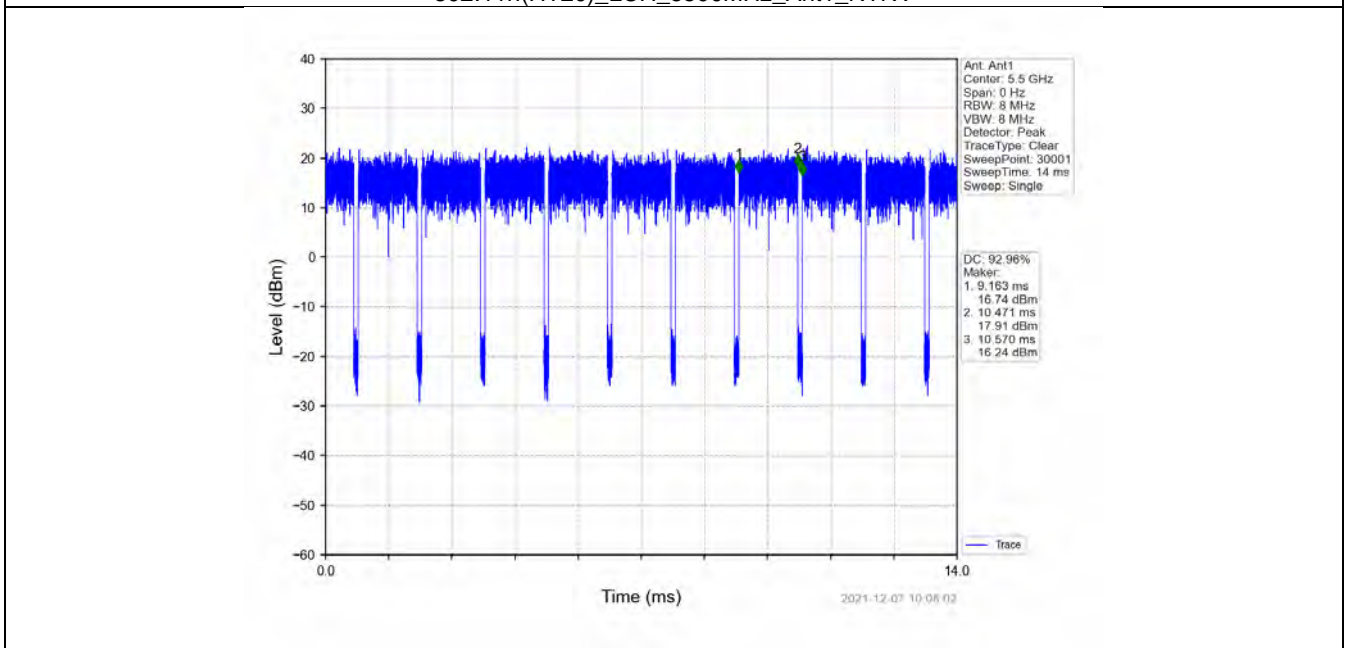


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802.11n(HT20)_LCH_5500MHz_Ant1_NTNV

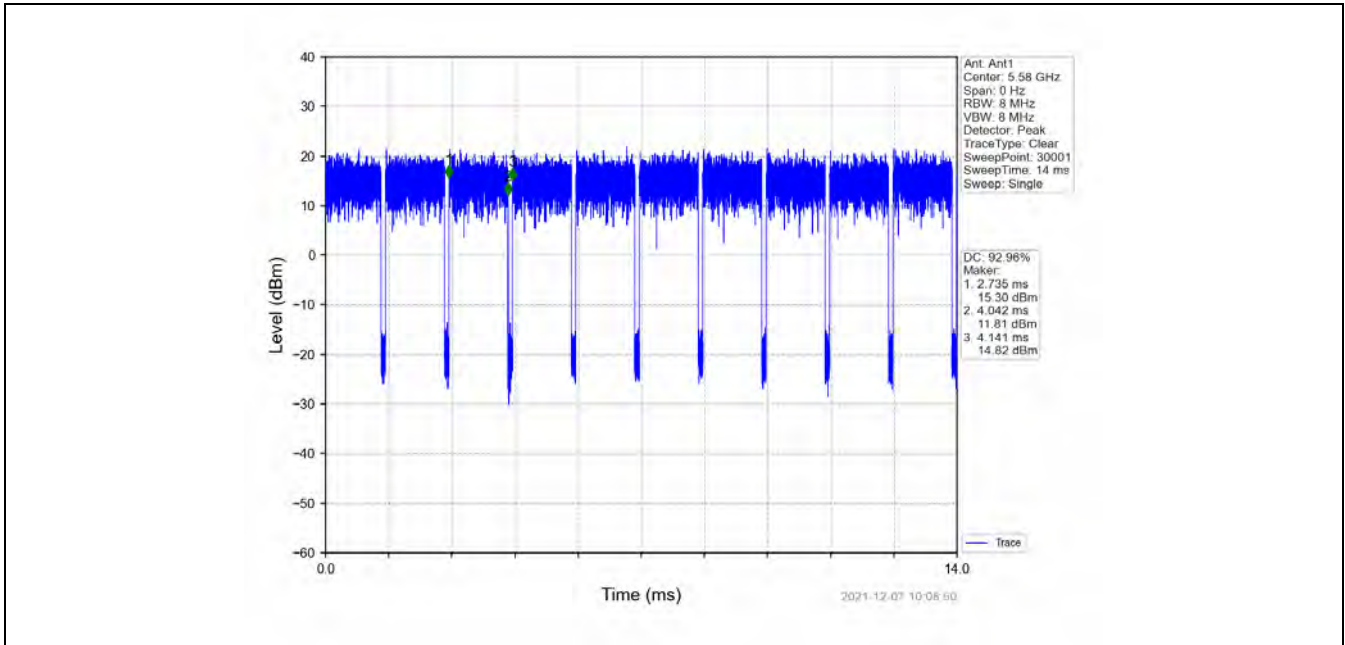


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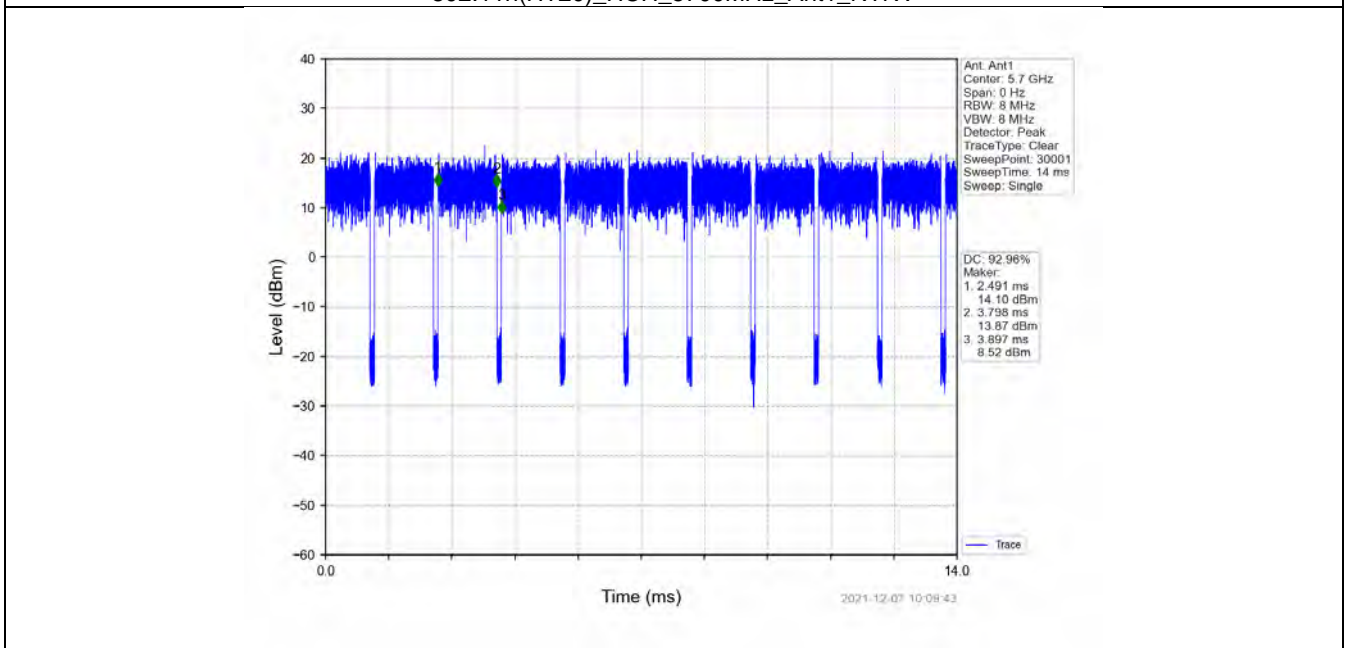


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802.11n(HT20)_HCH_5700MHz_Ant1_NTNV

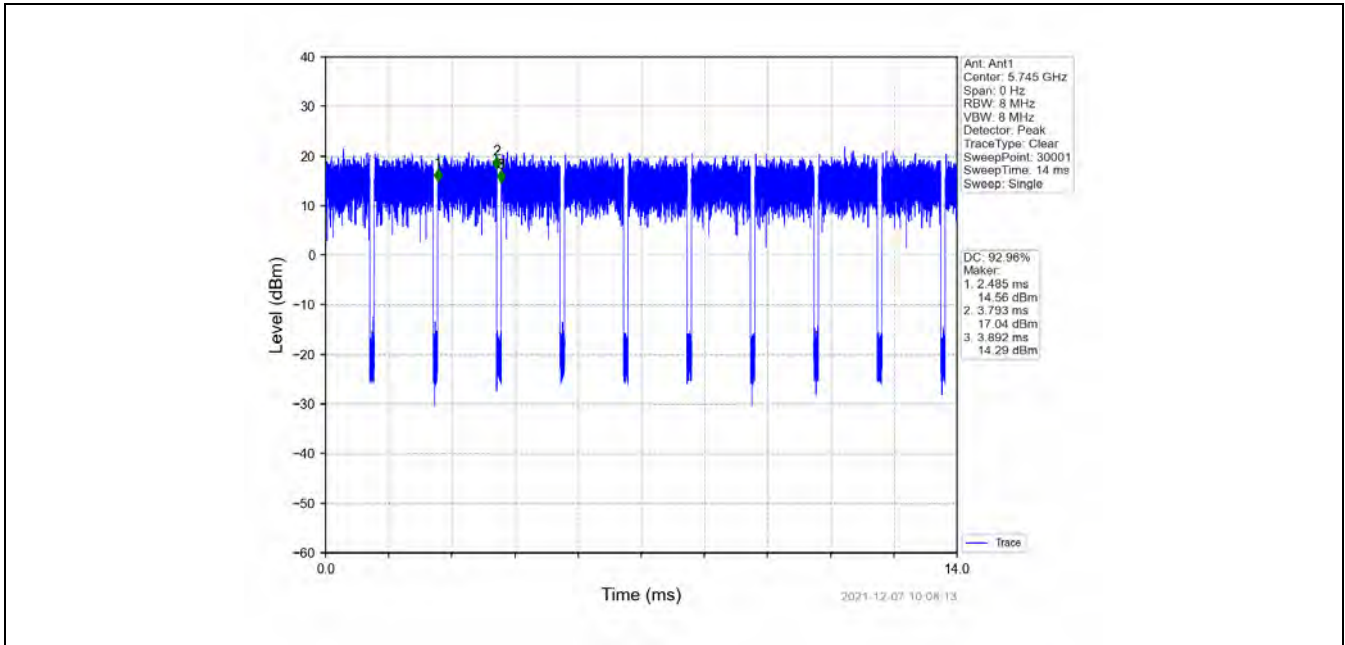


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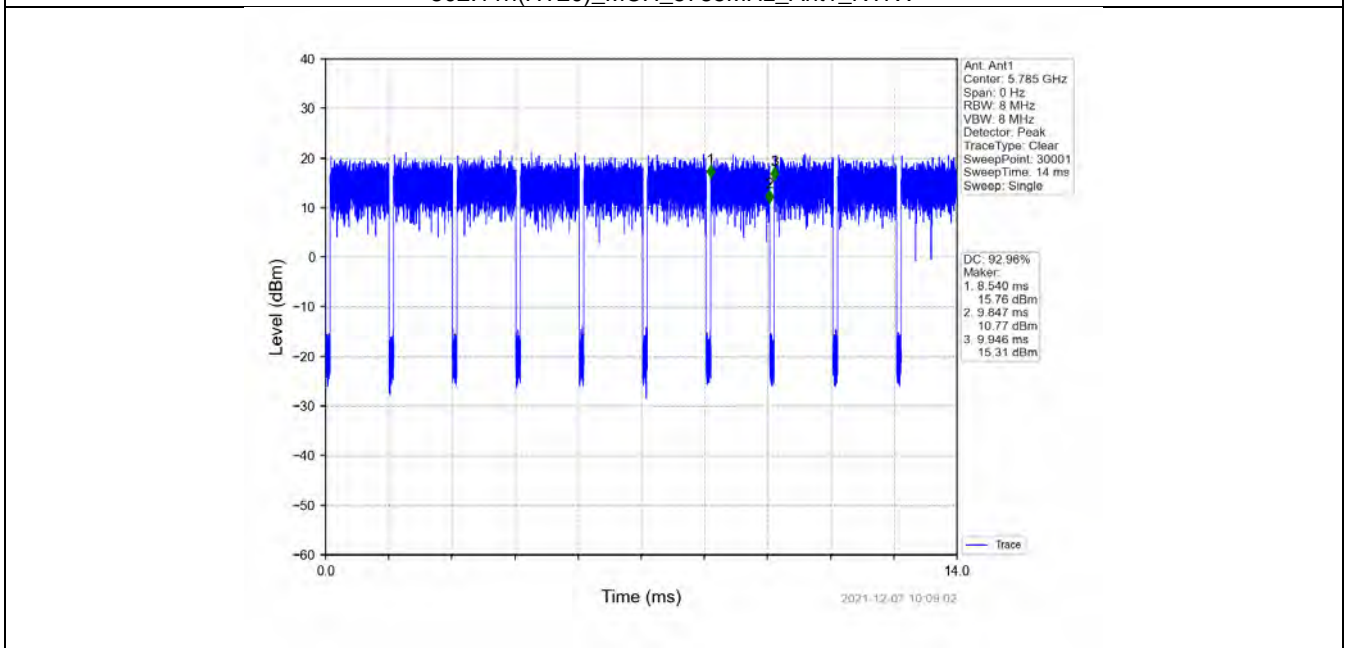


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802.11n(HT20)_MCH_5785MHz_Ant1_NTNV

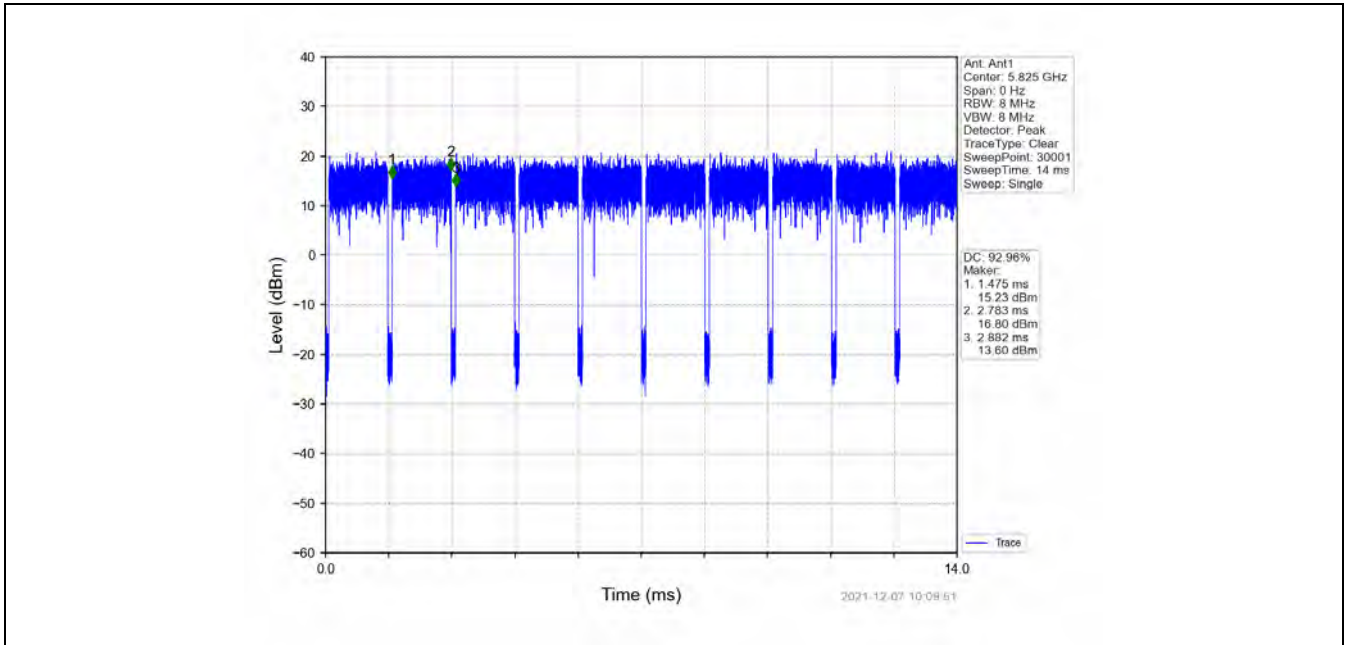


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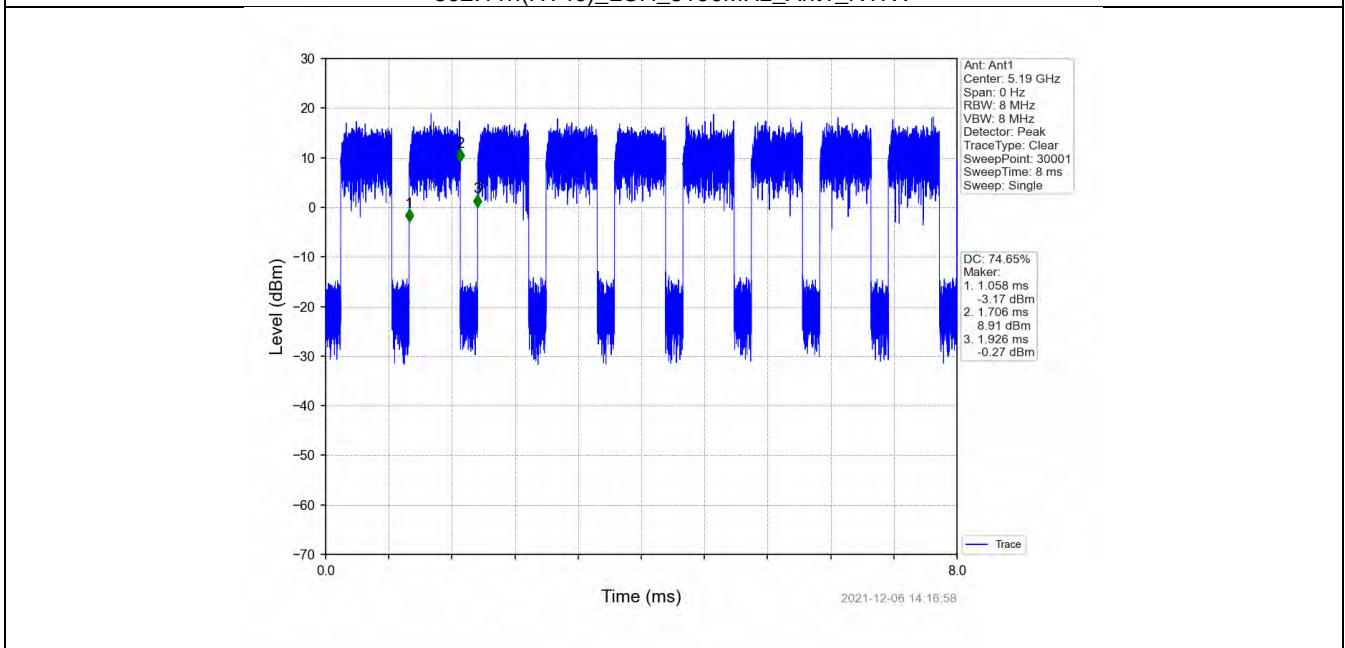


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802.11n(HT40)_LCH_5190MHz_Ant1_NTNV

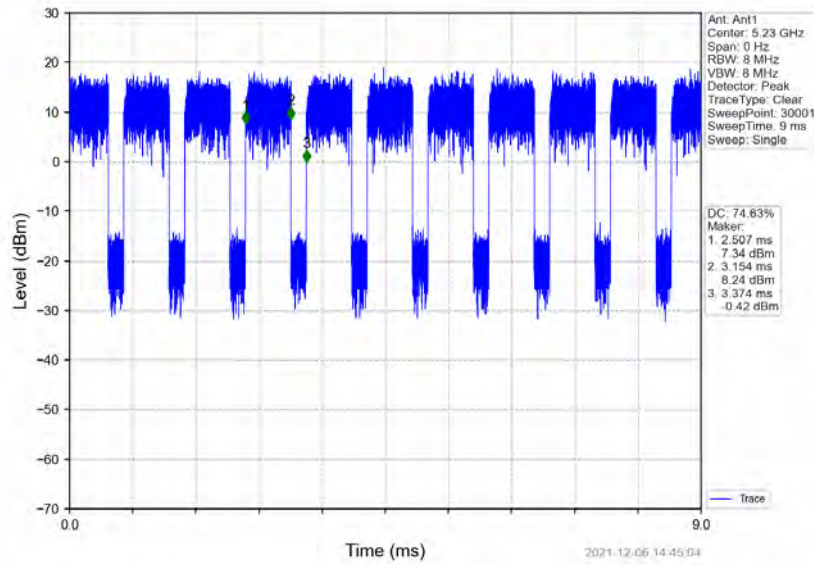


802.11n(HT40)_HCH_5230MHz_Ant1_NTNV

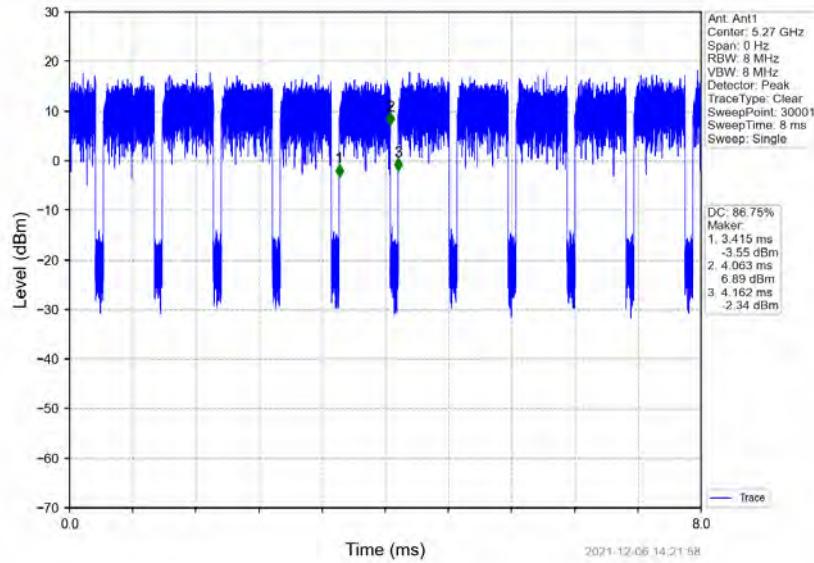


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802.11n(HT40)_LCH_5270MHz_Ant1_NTNV



802.11n(HT40)_HCH_5310MHz_Ant1_NTNV

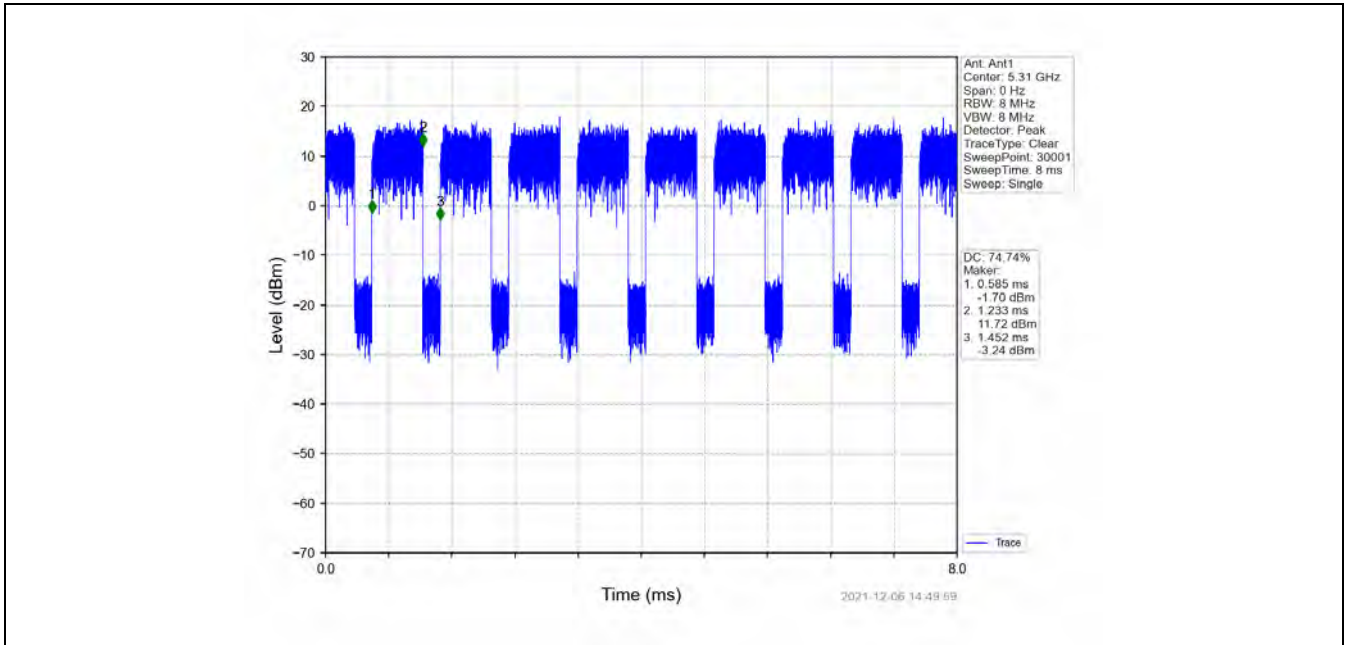


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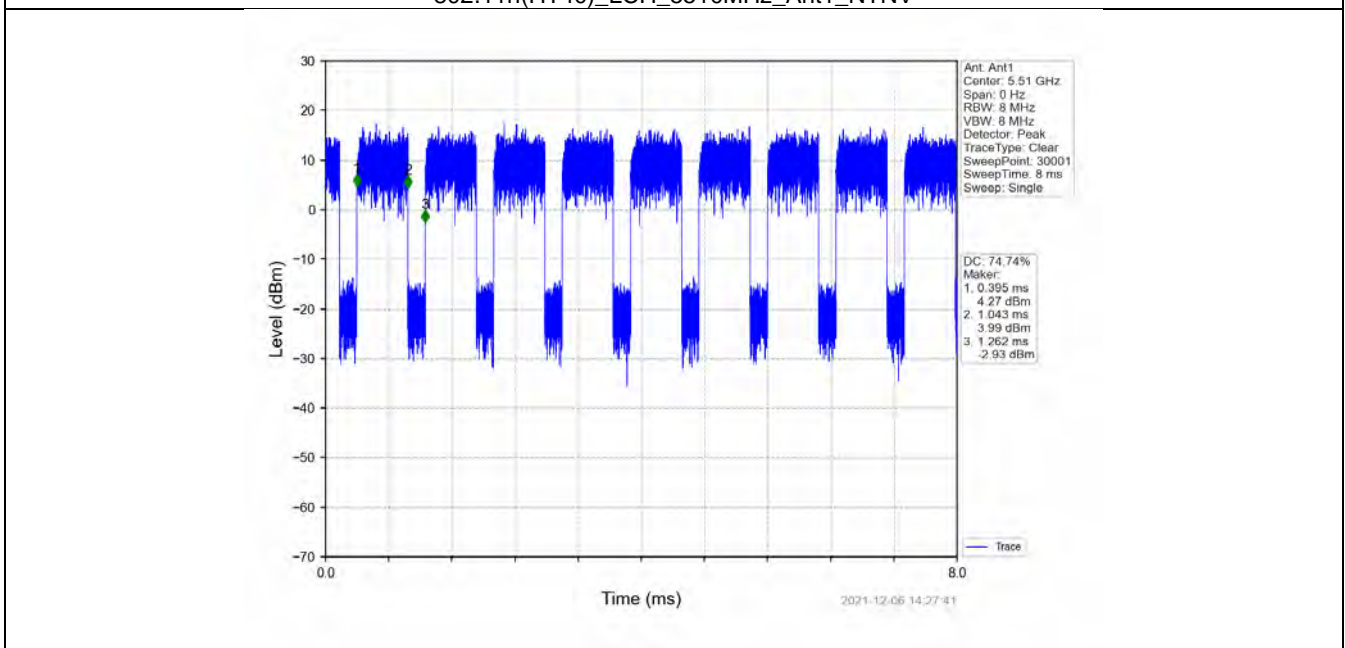
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802.11n(HT40)_LCH_5510MHz_Ant1_NTNV

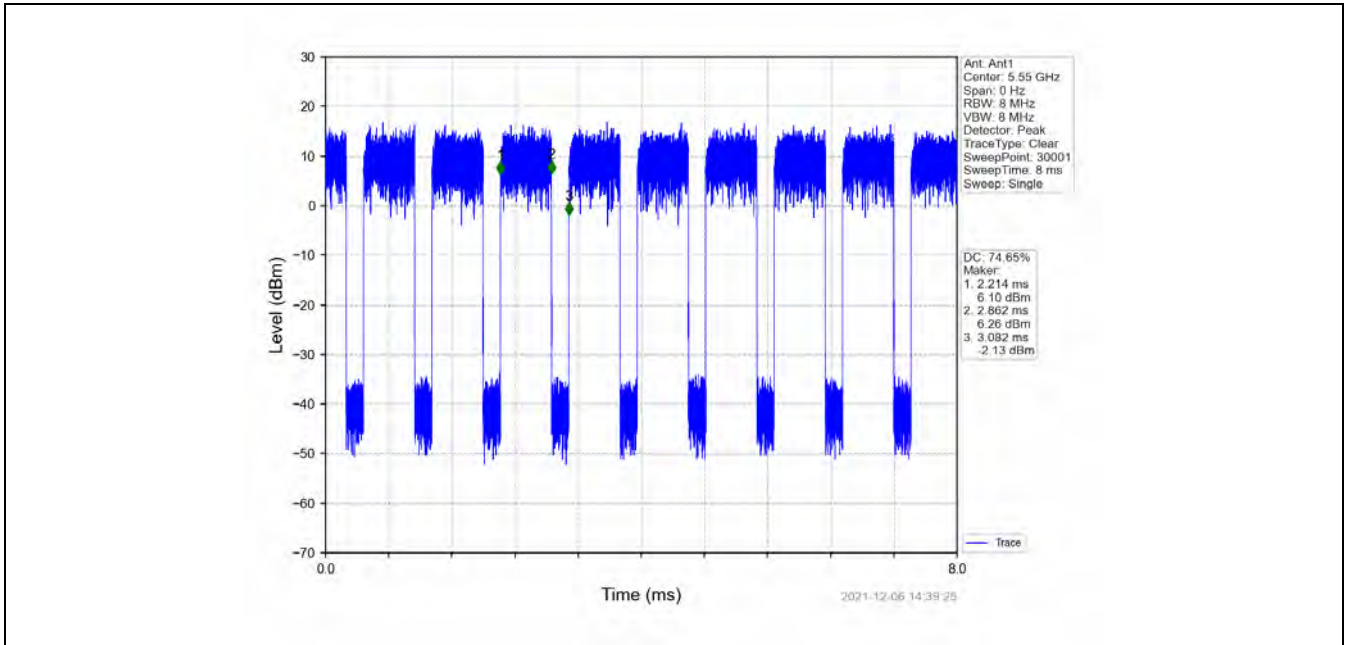


802.11n(HT40)_MCH_5550MHz_Ant1_NTNV

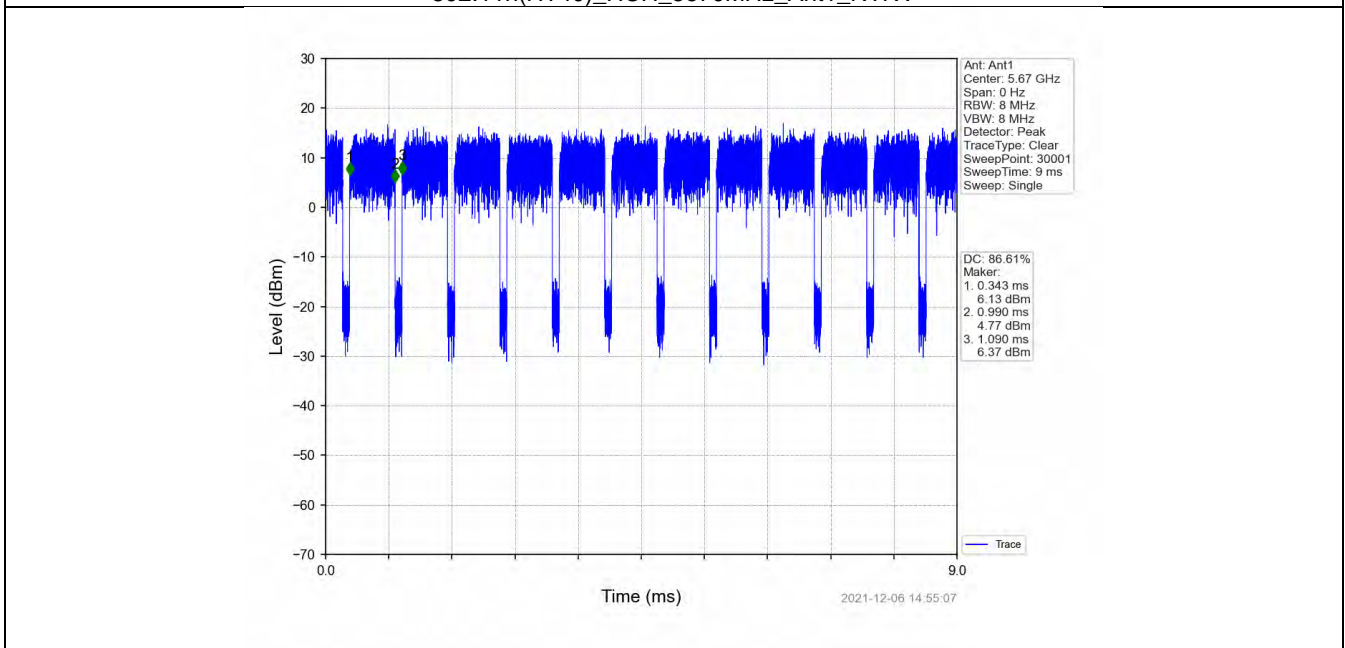


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802.11n(HT40)_HCH_5670MHz_Ant1_NTNV

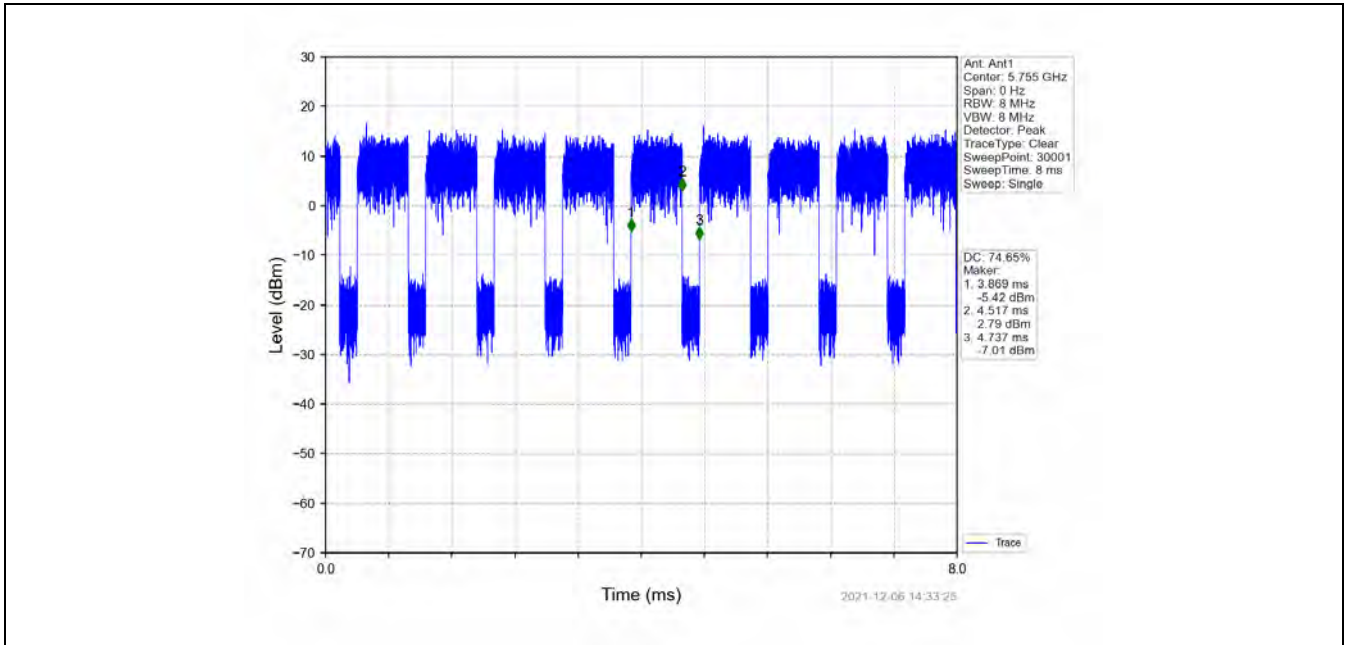


802.11n(HT40)_LCH_5755MHz_Ant1_NTNV

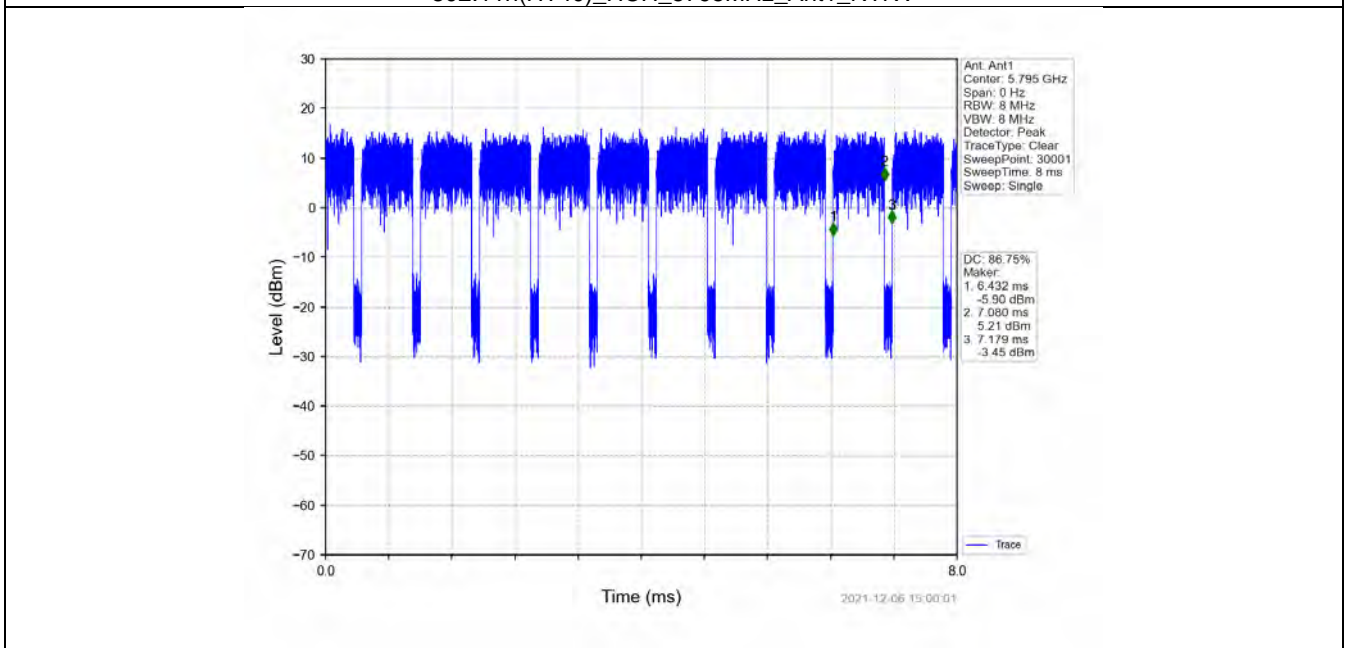


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802.11n(HT40)_HCH_5795MHz_Ant1_NTNV

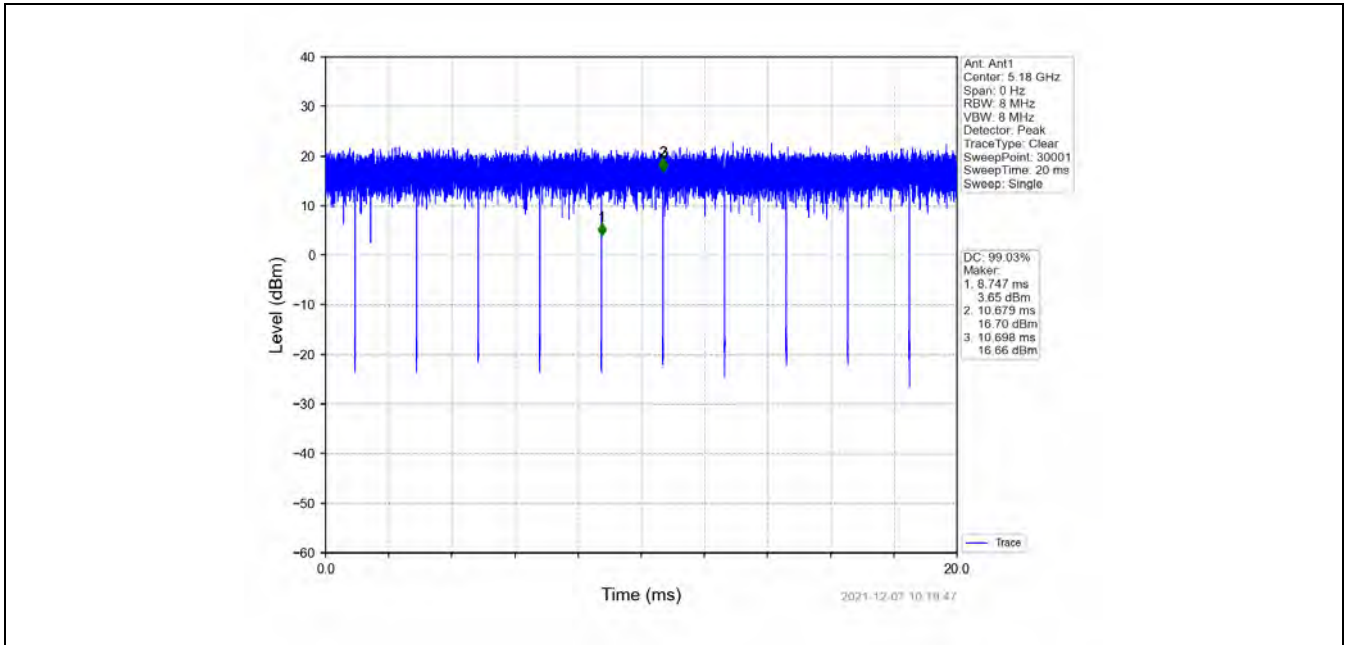


802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV

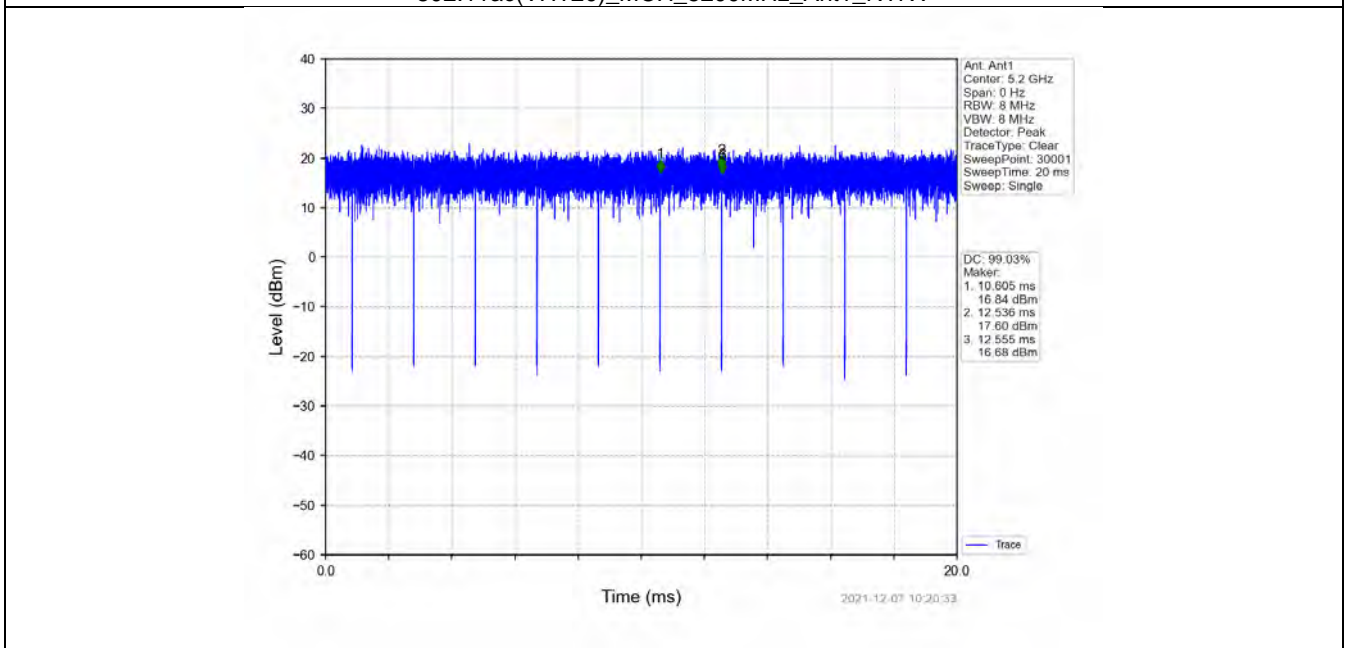


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802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV

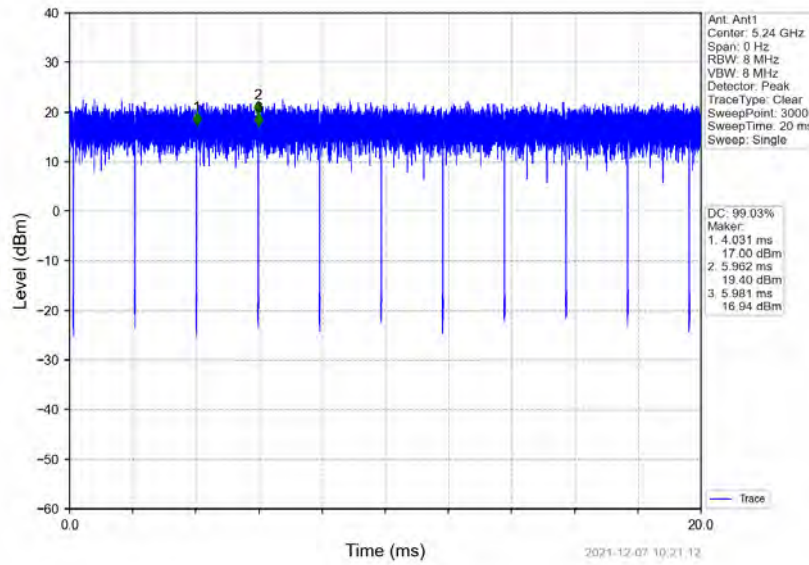


802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV

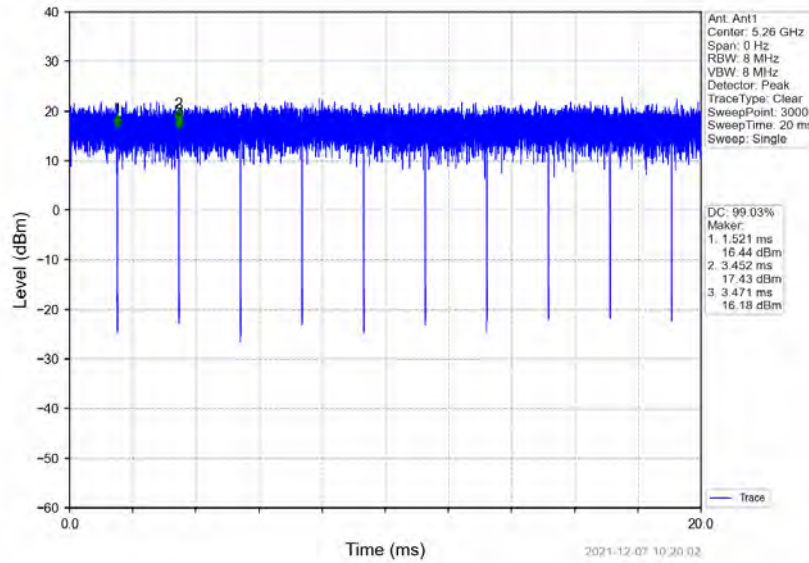


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802.11ac(VHT20)_LCH_5260MHz_Ant1_NTNV

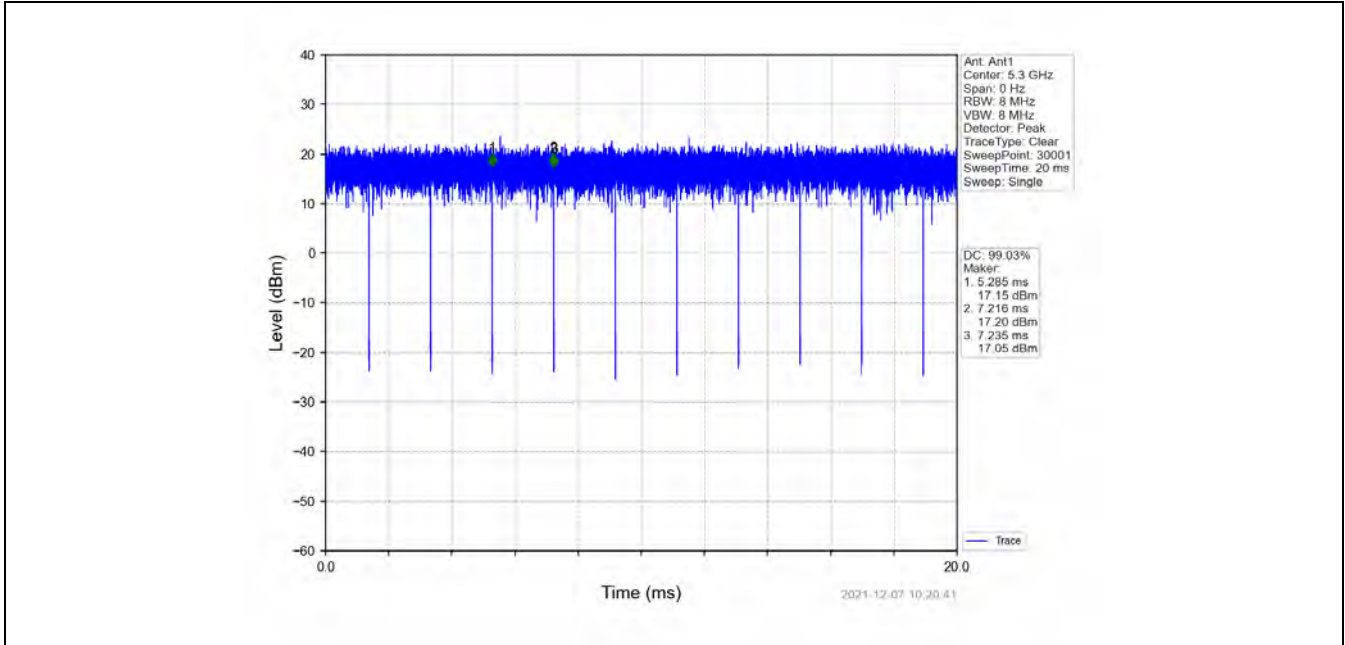


802.11ac(VHT20)_MCH_5300MHz_Ant1_NTNV

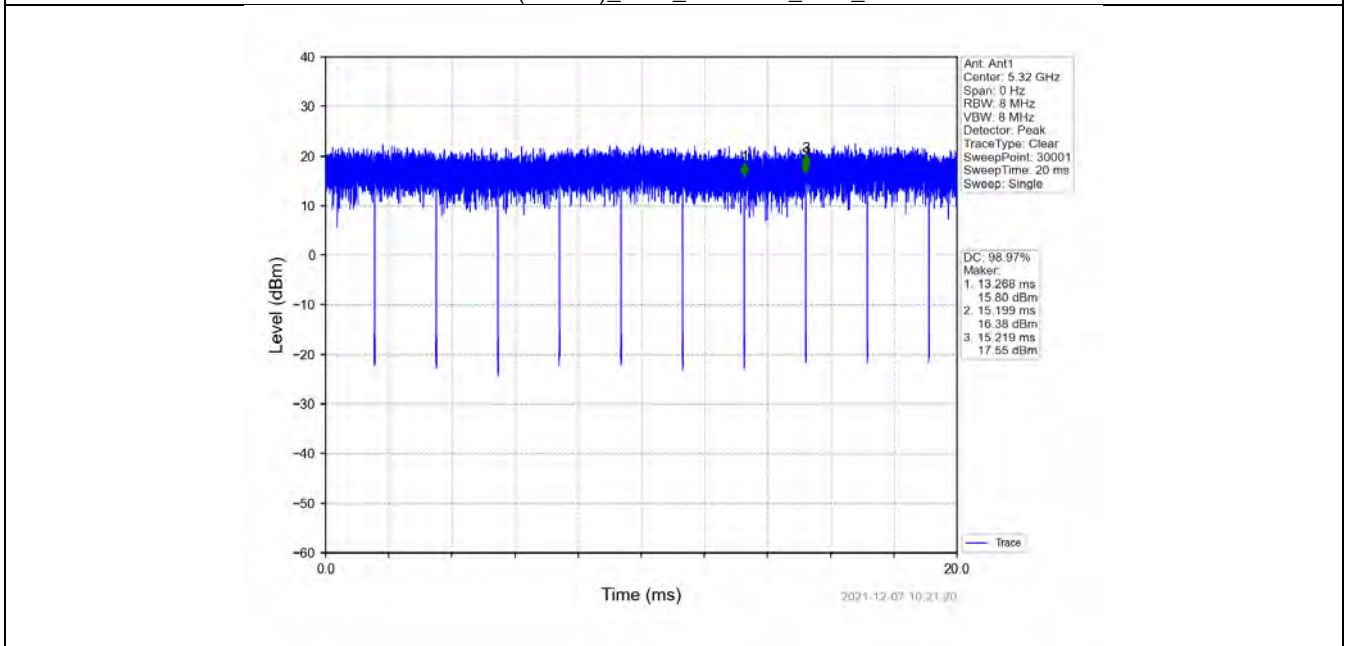


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802.11ac(VHT20)_HCH_5320MHz_Ant1_NTNV

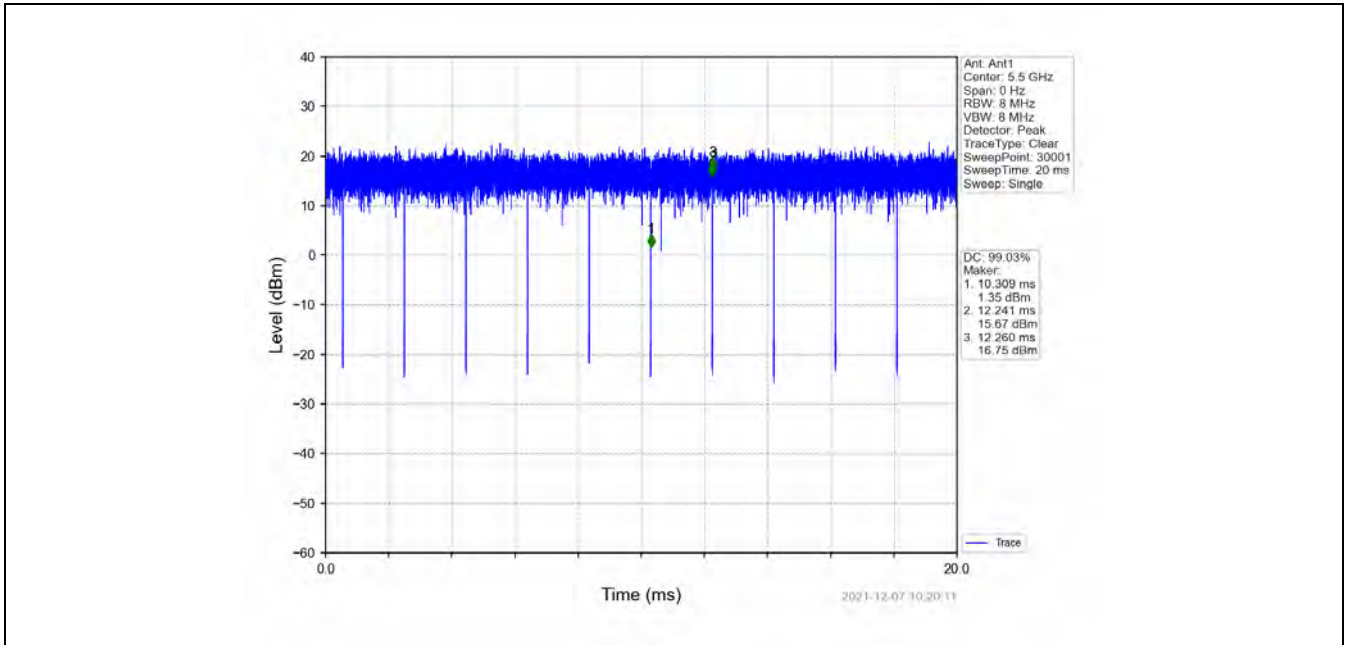


802.11ac(VHT20)_LCH_5500MHz_Ant1_NTNV

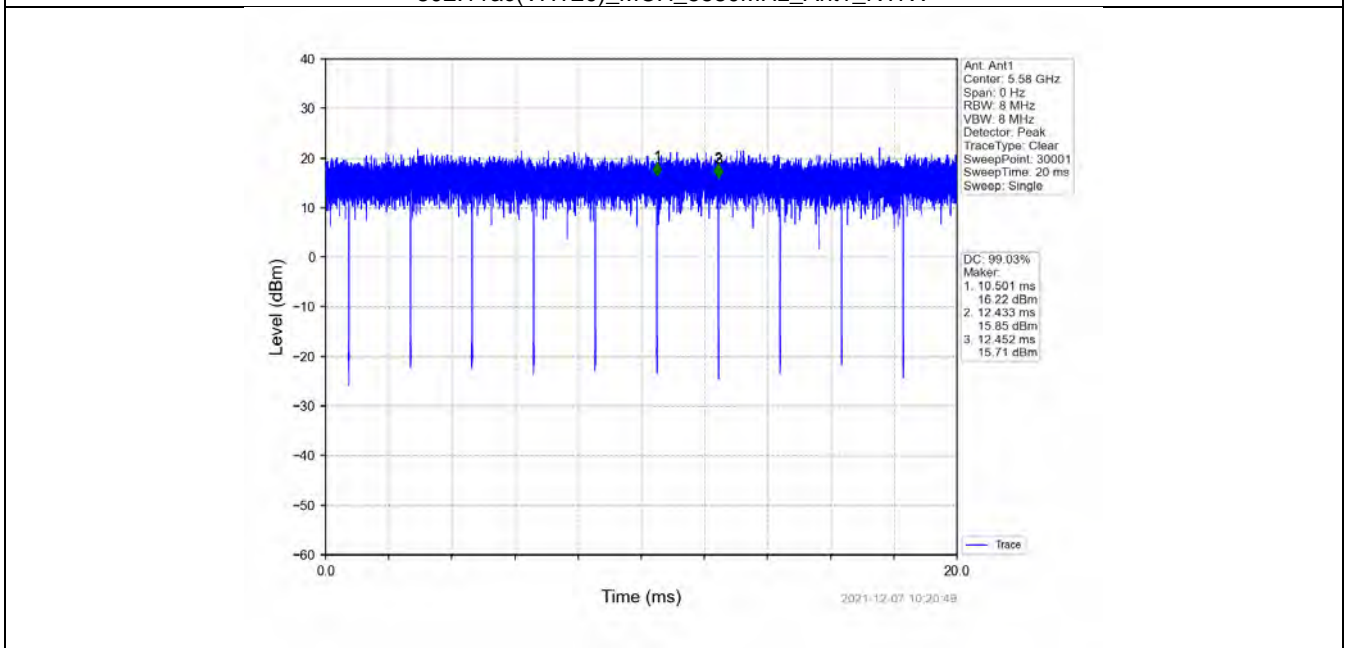


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802.11ac(VHT20)_MCH_5580MHz_Ant1_NTNV

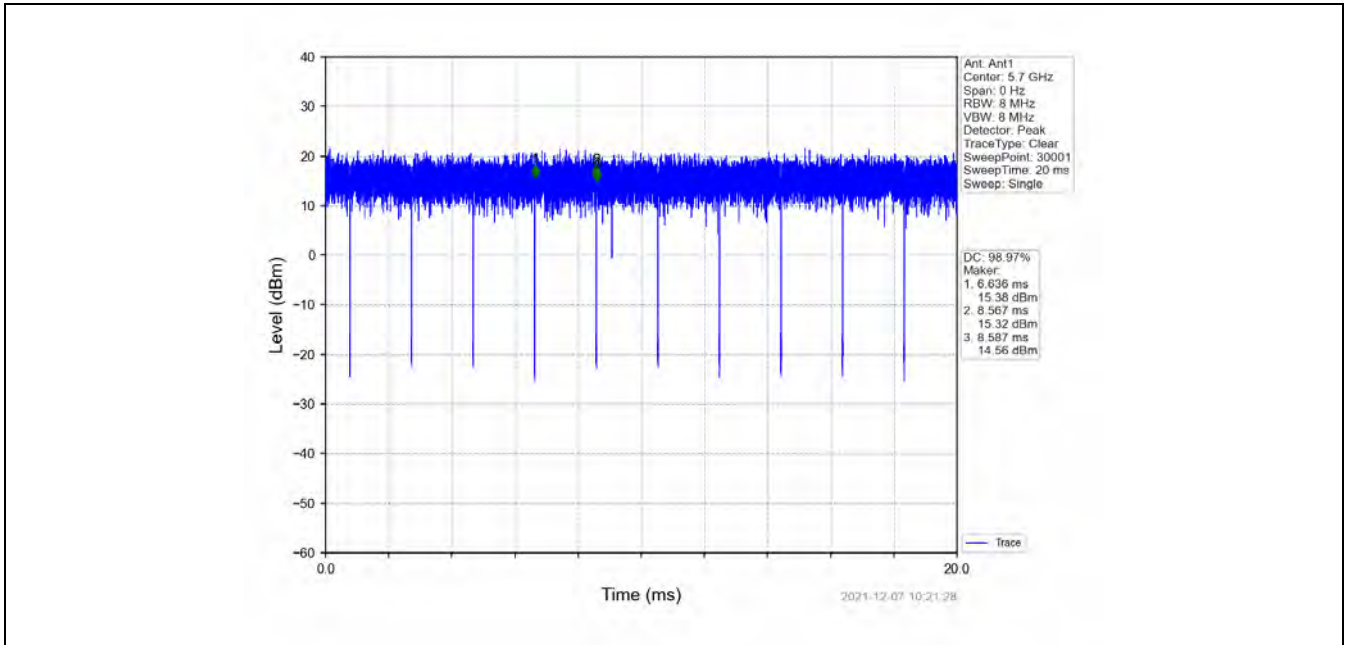


802.11ac(VHT20)_HCH_5700MHz_Ant1_NTNV

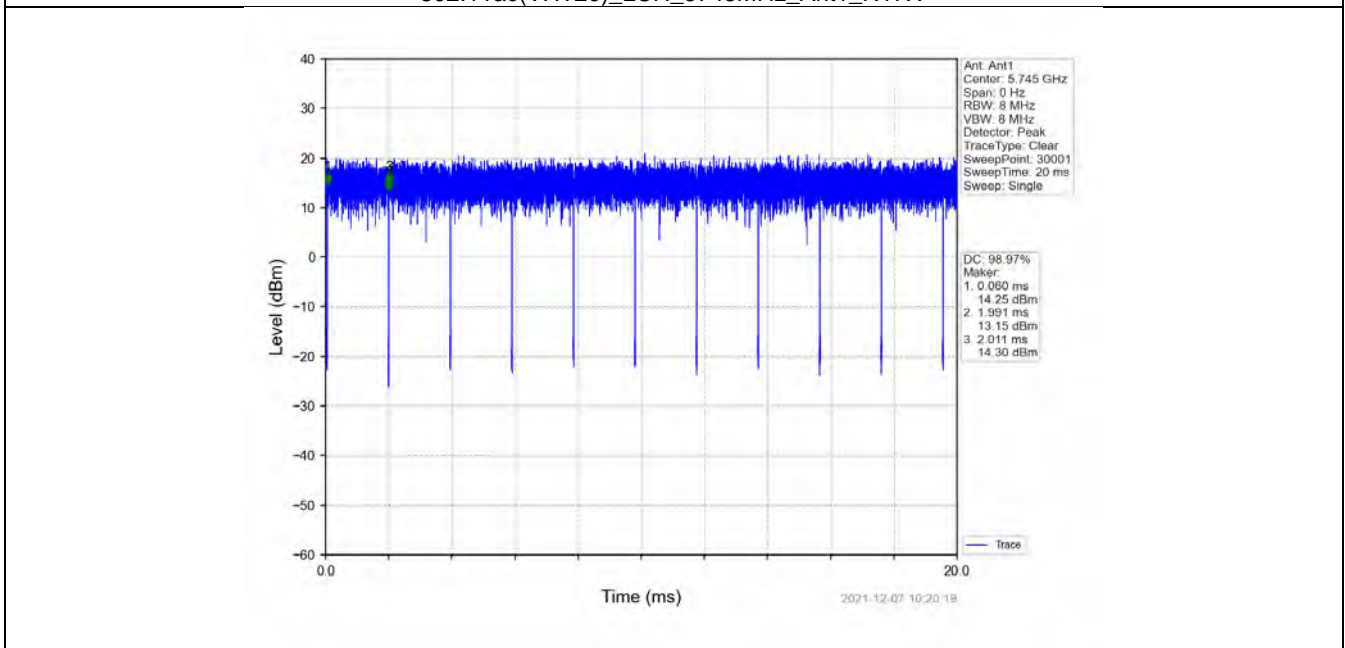


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802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV

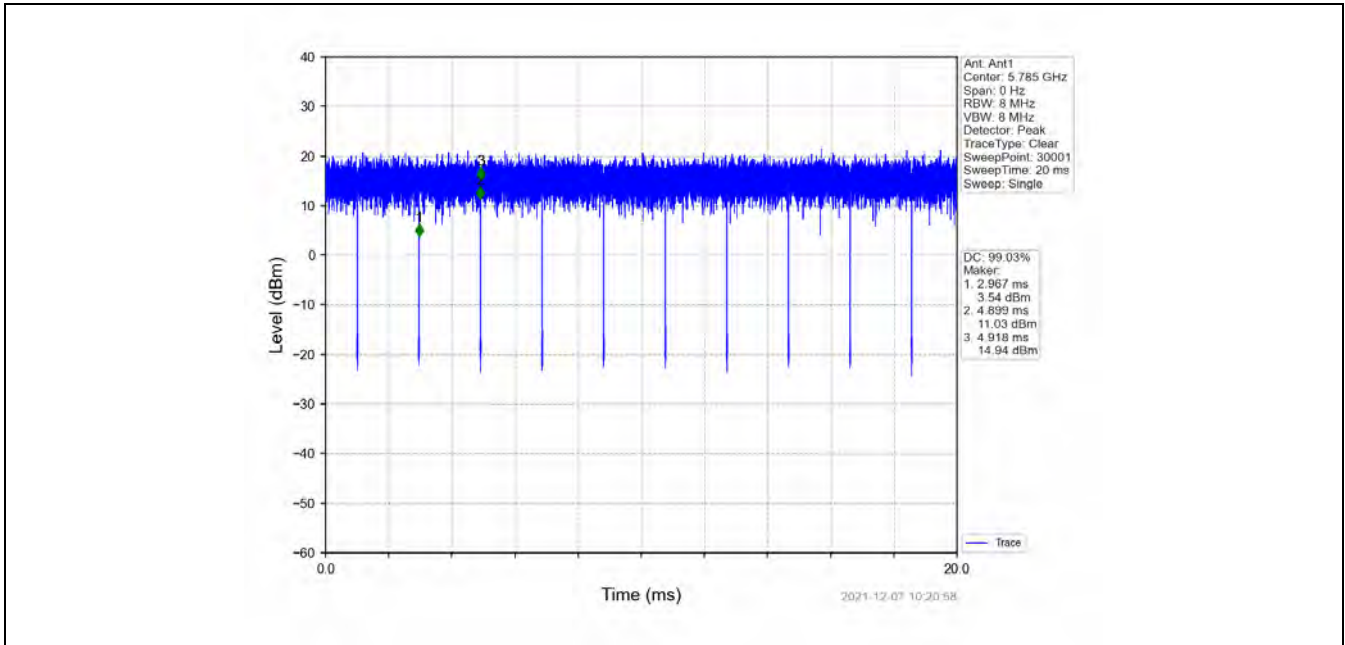


802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV

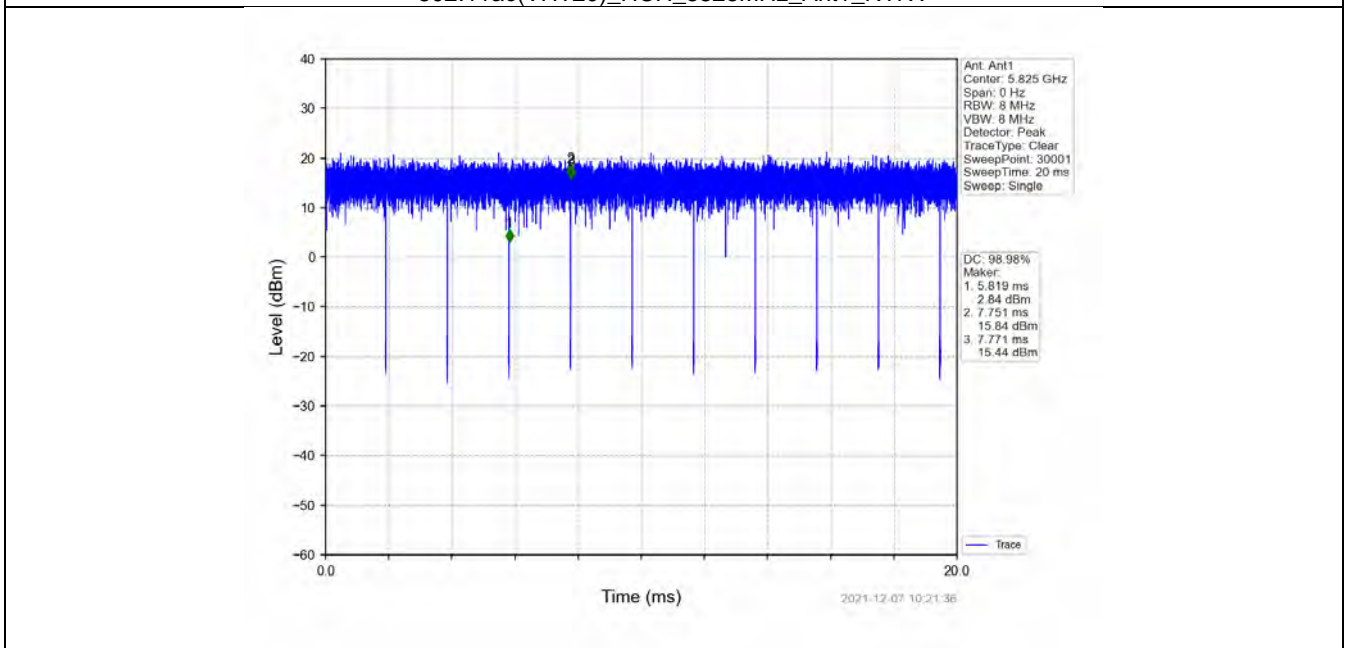


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802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV

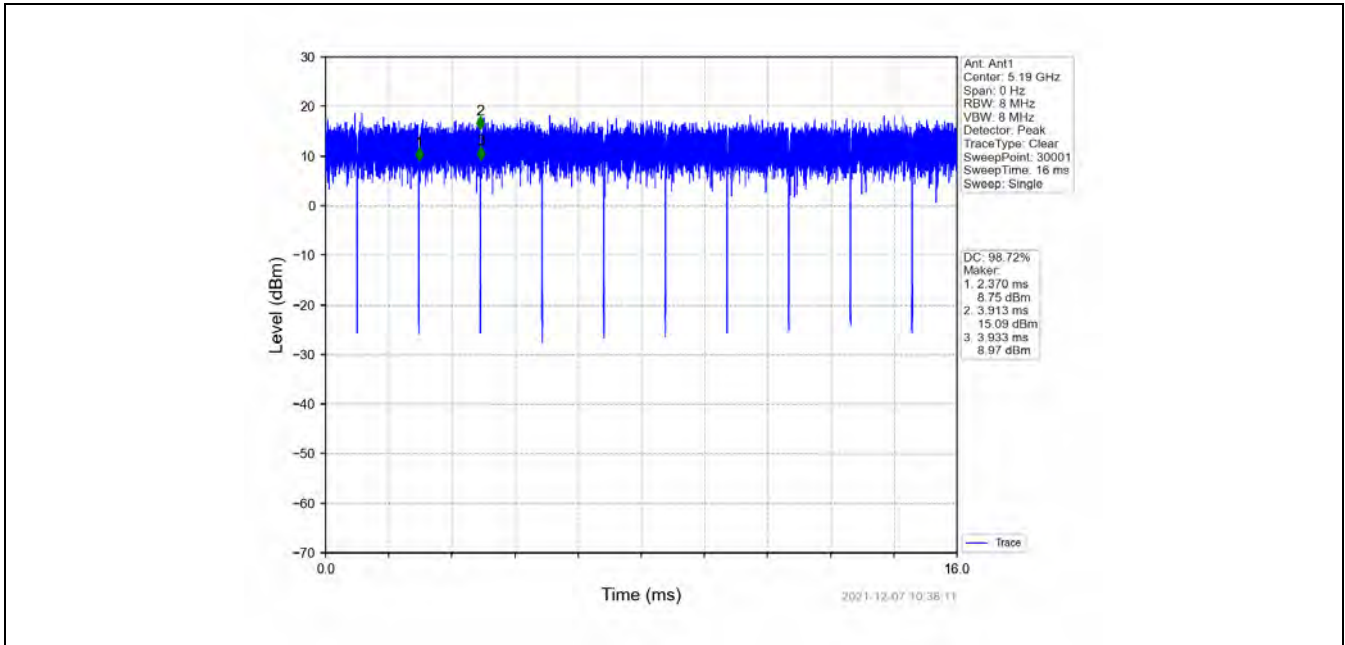


802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV

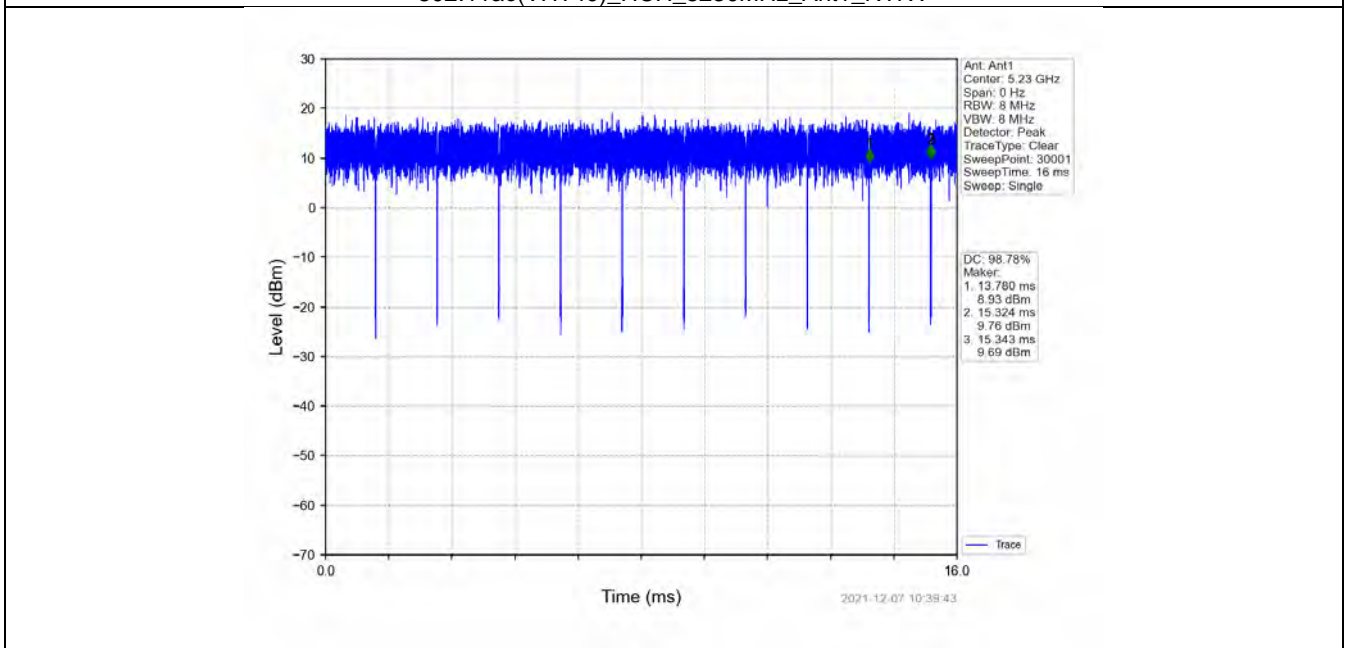


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802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV

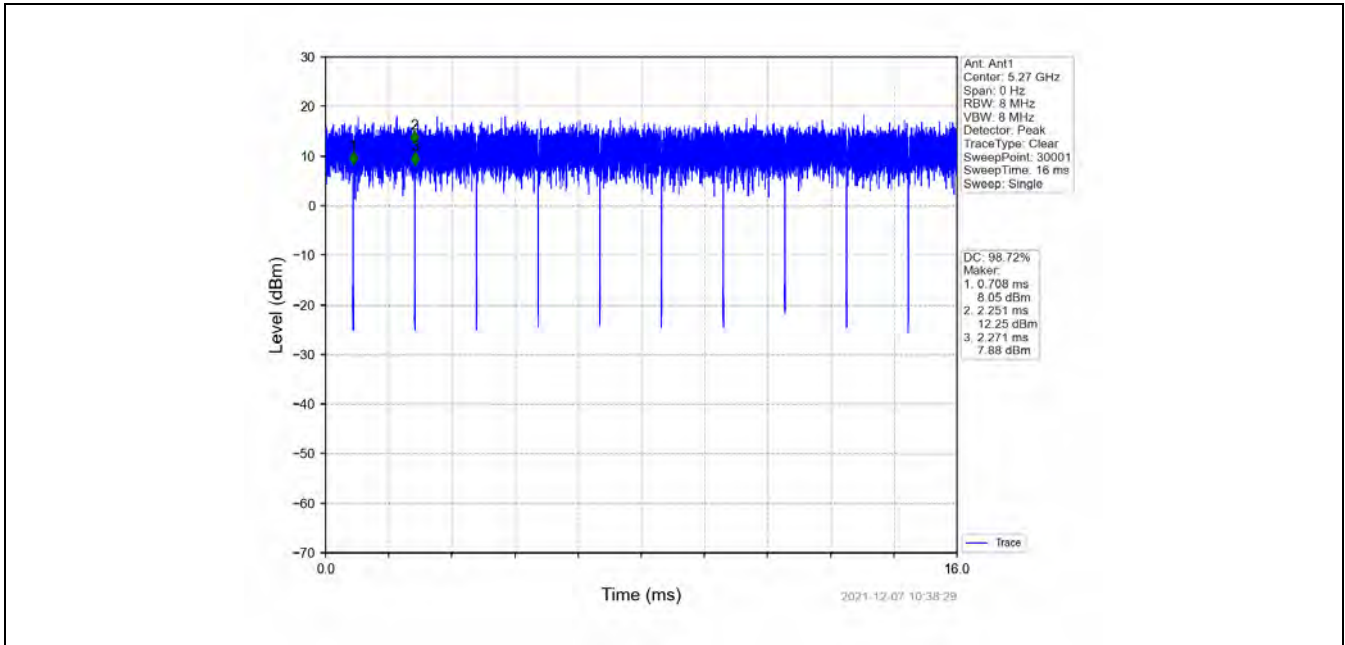


802.11ac(VHT40)_LCH_5270MHz_Ant1_NTNV

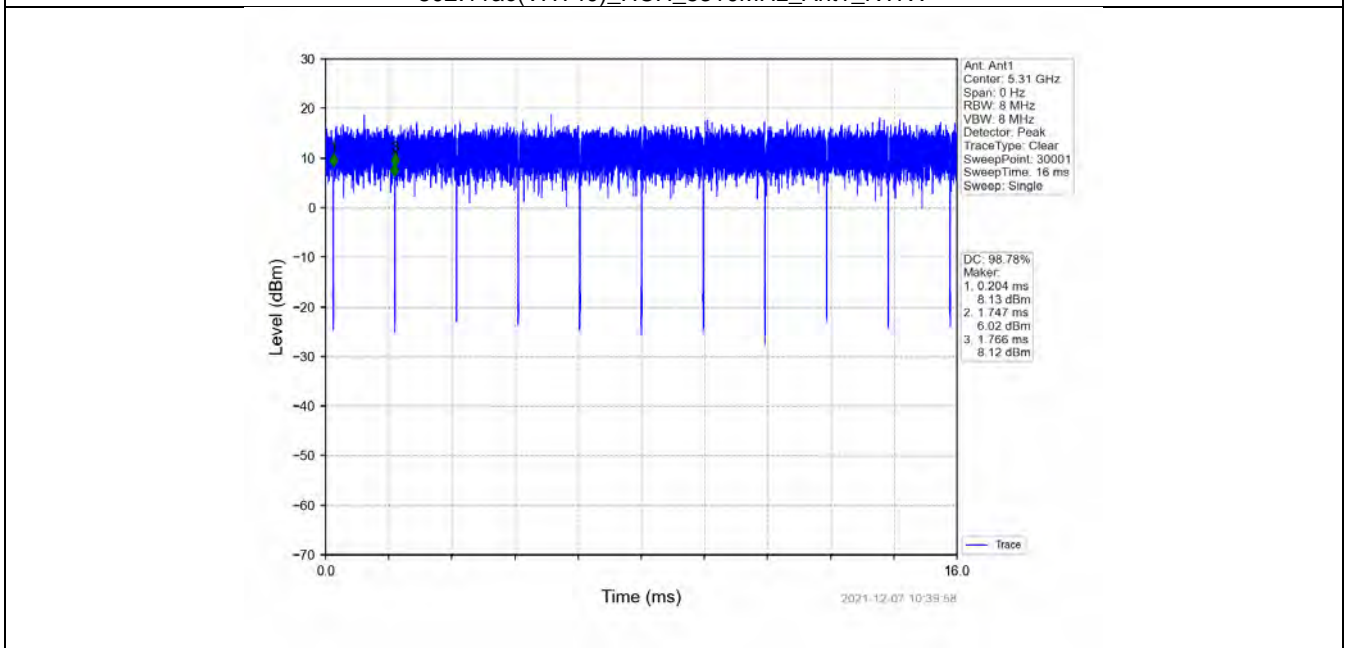


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802.11ac(VHT40)_HCH_5310MHz_Ant1_NTNV

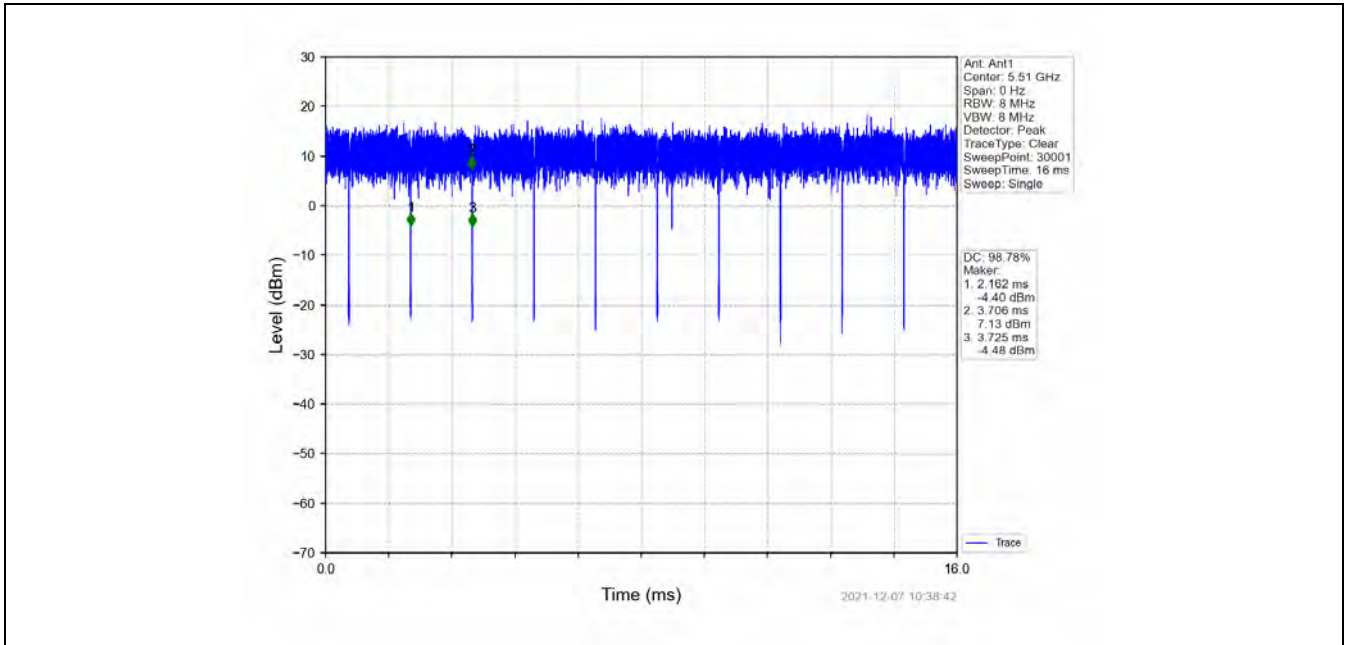


802.11ac(VHT40)_LCH_5510MHz_Ant1_NTNV

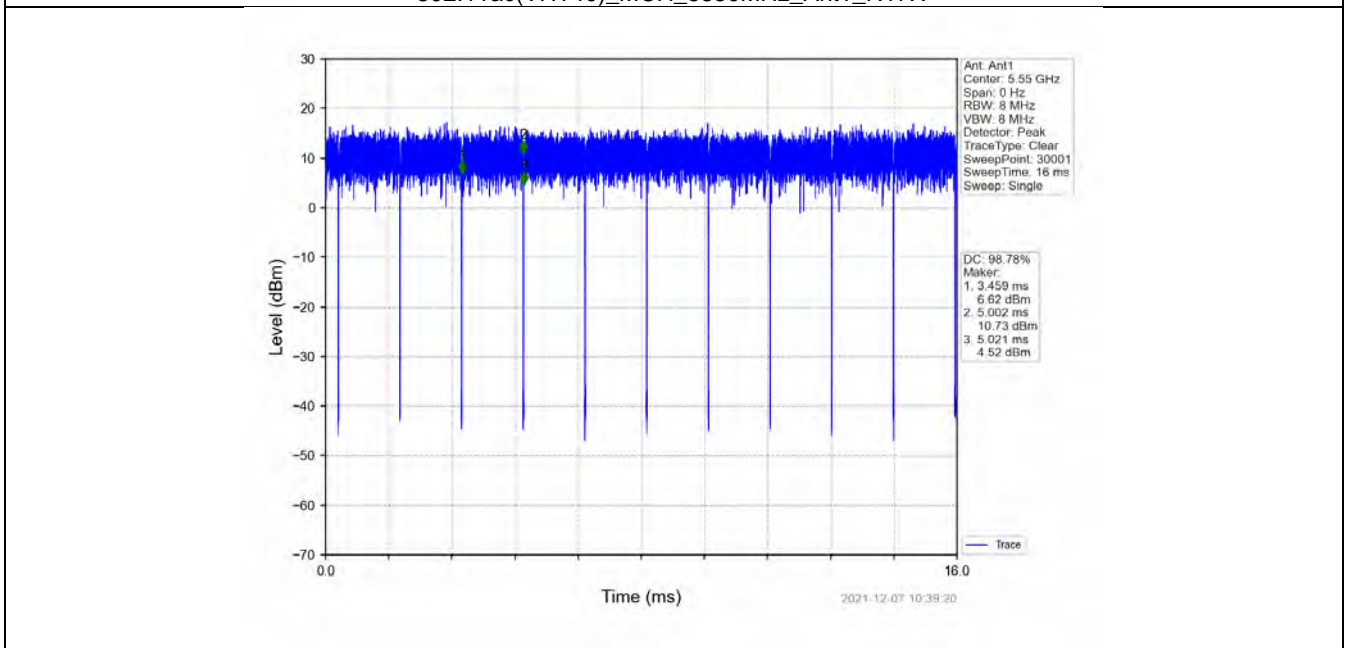


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802.11ac(VHT40)_MCH_5550MHz_Ant1_NTNV

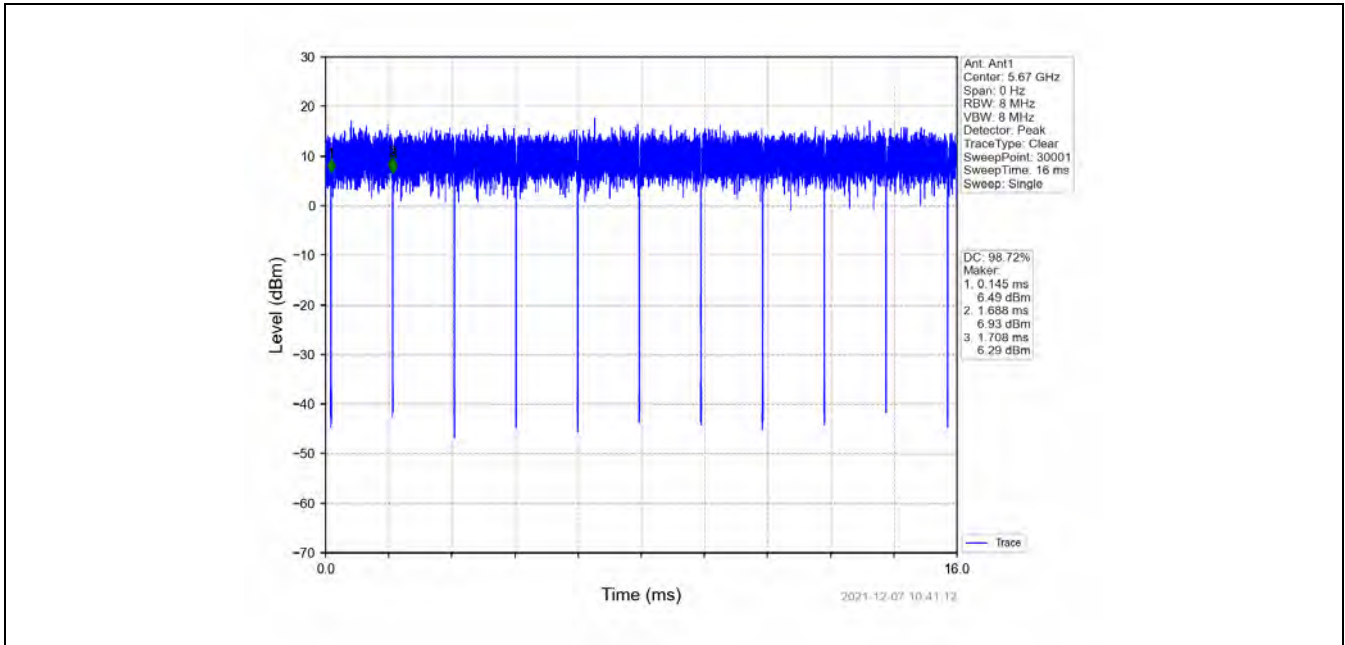


802.11ac(VHT40)_HCH_5670MHz_Ant1_NTNV

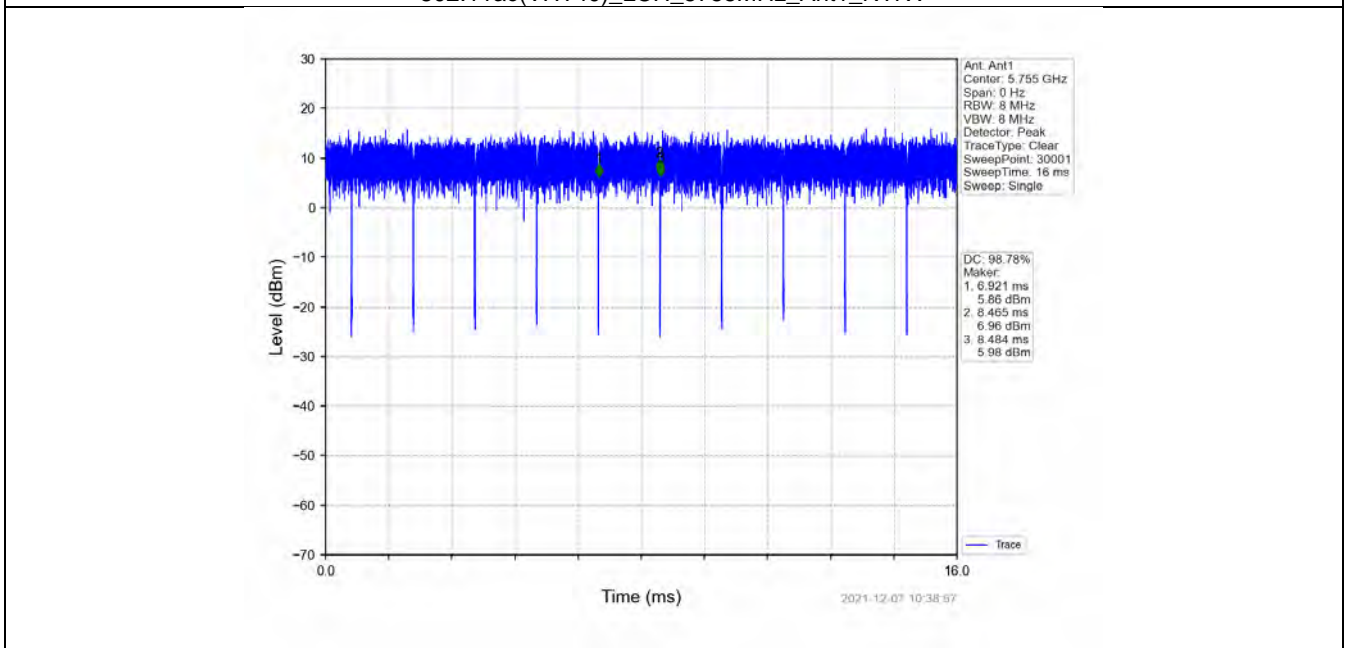


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802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV

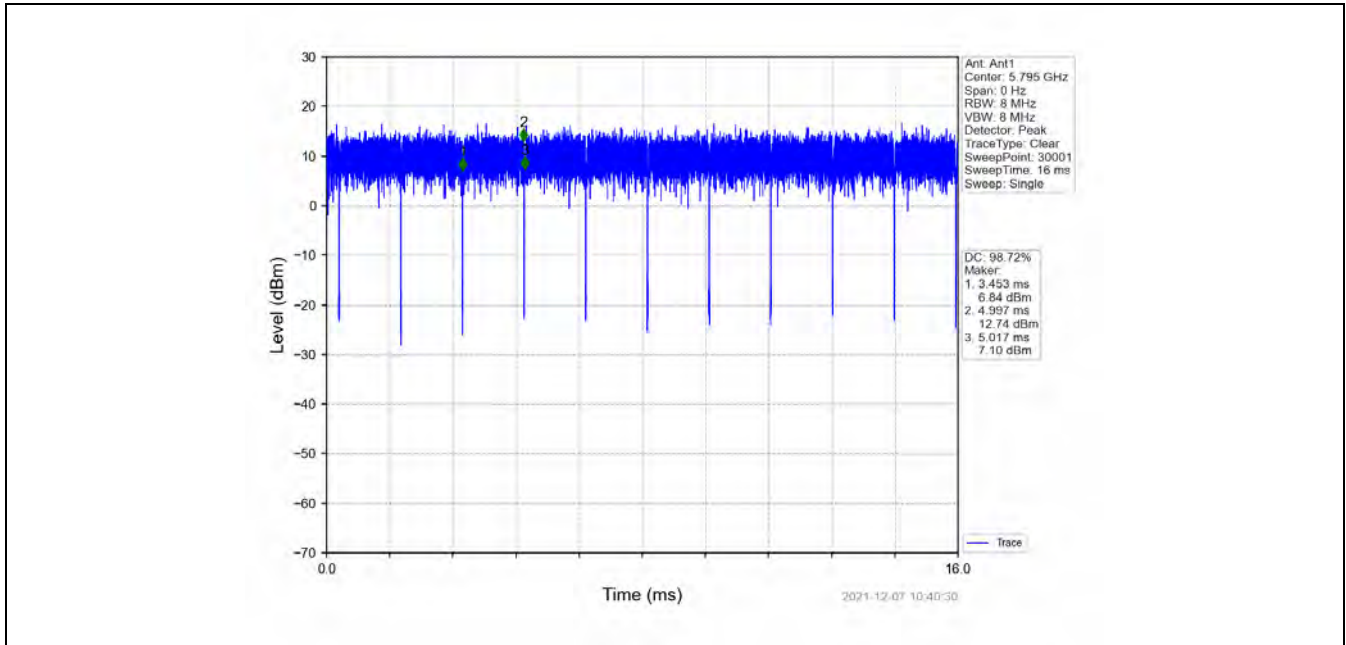


802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV

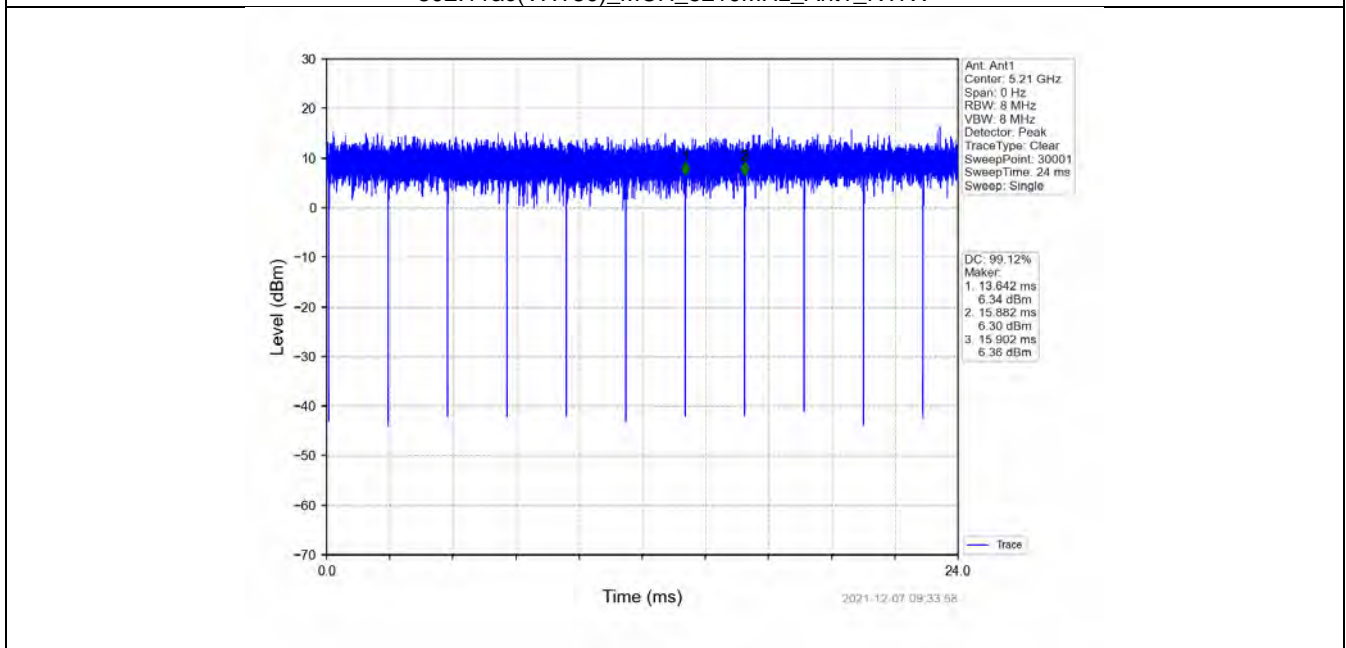


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802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV

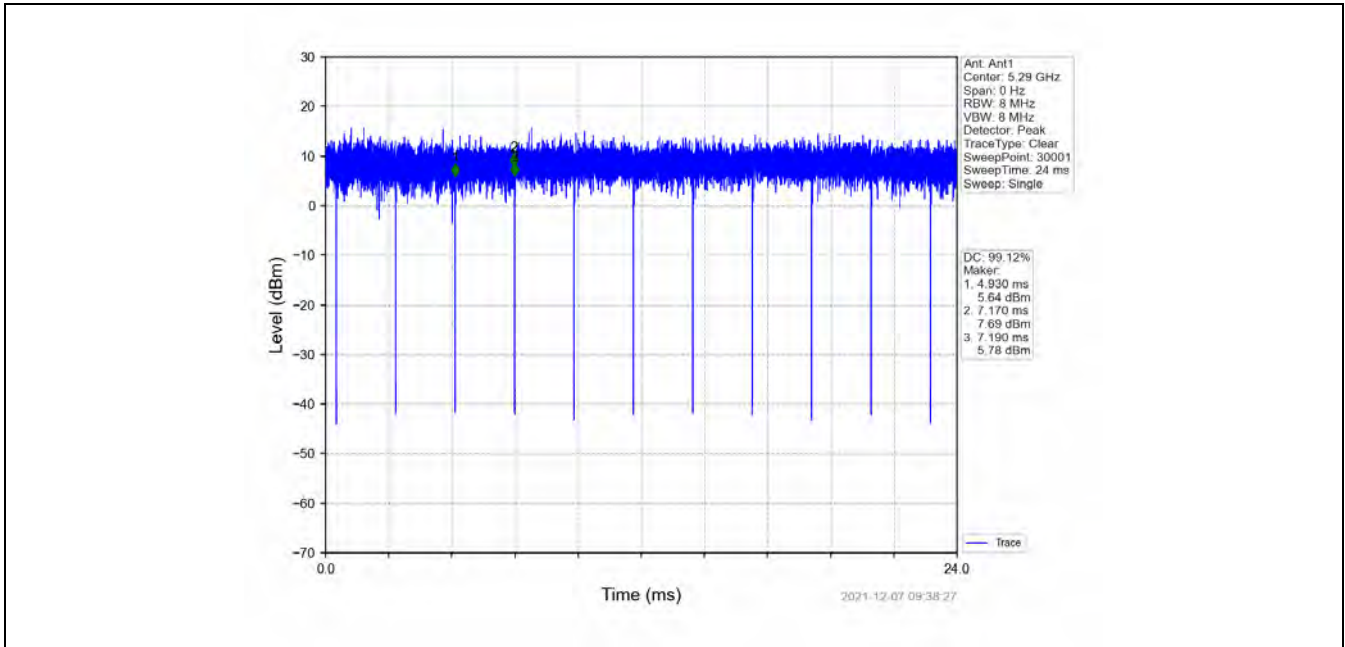


802.11ac(VHT80)_MCH_5290MHz_Ant1_NTNV

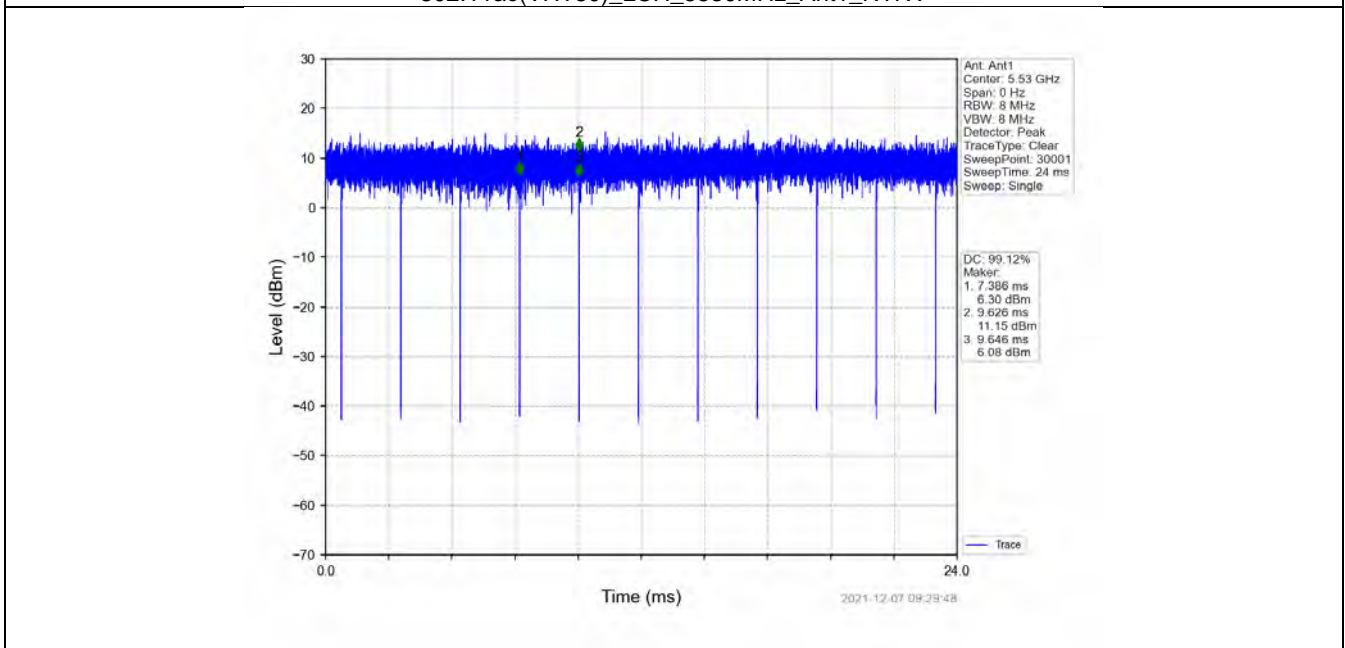


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802.11ac(VHT80)_LCH_5530MHz_Ant1_NTNV

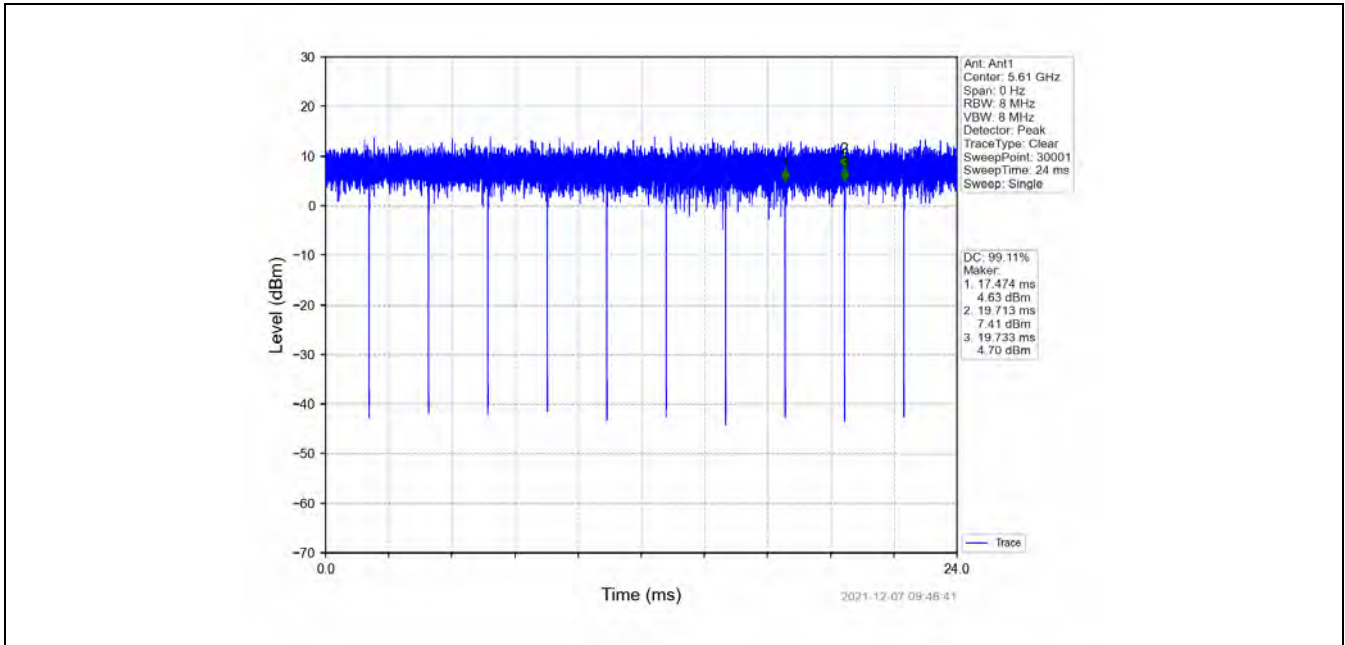


802.11ac(VHT80)_HCH_5610MHz_Ant1_NTNV

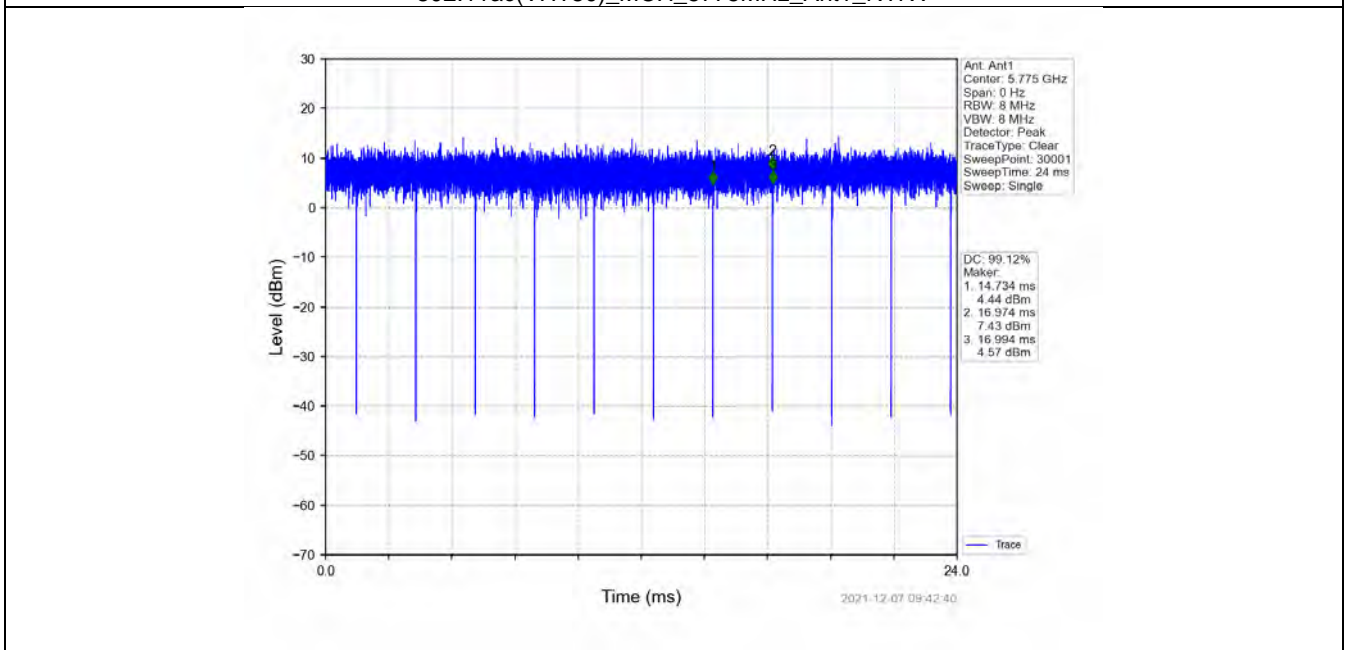


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802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



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2. 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	19.240	Pass
			2	18.370	Pass
		5200	1	19.037	Pass
			2	17.924	Pass
		5240	1	19.096	Pass
			2	18.137	Pass
		5260	1	19.316	Pass
			2	18.148	Pass
		5300	1	18.885	Pass
			2	18.351	Pass
		5320	1	19.081	Pass
			2	18.060	Pass
		5500	1	19.355	Pass
			2	18.543	Pass
		5580	1	18.755	Pass
			2	18.242	Pass
		5700	1	18.607	Pass
			2	18.265	Pass
		5745	1	18.345	Pass
			2	18.387	Pass
5785	1	18.534	Pass		
	2	18.162	Pass		
5825	1	18.492	Pass		
	2	18.386	Pass		
802.11n (HT20)	MIMO	5180	1	19.370	Pass
			2	18.964	Pass
		5200	1	19.809	Pass
			2	18.721	Pass
		5240	1	19.638	Pass
			2	18.839	Pass
		5260	1	20.056	Pass
			2	18.854	Pass
		5300	1	19.775	Pass
			2	19.201	Pass
		5320	1	19.760	Pass
			2	18.983	Pass
		5500	1	19.897	Pass
			2	18.988	Pass
		5580	1	19.828	Pass
			2	18.836	Pass
		5700	1	20.446	Pass
			2	19.271	Pass
		5745	1	19.195	Pass
			2	18.754	Pass
5785	1	19.348	Pass		
	2	19.009	Pass		



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		5825	1	19.353	Pass
			2	19.027	Pass
802.11n (HT40)	MIMO	5190	1	37.977	Pass
			2	37.175	Pass
		5230	1	37.983	Pass
			2	37.405	Pass
		5270	1	37.603	Pass
			2	37.473	Pass
		5310	1	37.572	Pass
			2	37.377	Pass
		5510	1	37.561	Pass
			2	37.334	Pass
		5550	1	37.209	Pass
			2	37.562	Pass
		5670	1	37.160	Pass
			2	37.395	Pass
5755	1	37.138	Pass		
	2	37.708	Pass		
5795	1	37.060	Pass		
	2	37.537	Pass		
802.11ac (VHT20)	MIMO	5180	1	19.485	Pass
			2	18.833	Pass
		5200	1	19.576	Pass
			2	18.815	Pass
		5240	1	20.898	Pass
			2	19.301	Pass
		5260	1	19.761	Pass
			2	18.840	Pass
		5300	1	19.706	Pass
			2	19.025	Pass
		5320	1	19.811	Pass
			2	18.938	Pass
		5500	1	19.500	Pass
			2	19.319	Pass
		5580	1	19.698	Pass
			2	18.851	Pass
		5700	1	19.495	Pass
			2	19.000	Pass
5745	1	19.213	Pass		
	2	18.953	Pass		
5785	1	19.177	Pass		
	2	18.901	Pass		
5825	1	19.230	Pass		
	2	18.851	Pass		
802.11ac (VHT40)	MIMO	5190	1	37.690	Pass
			2	37.121	Pass
		5230	1	37.754	Pass
			2	37.355	Pass
		5270	1	37.634	Pass
			2	37.531	Pass
		5310	1	37.535	Pass
			2	37.062	Pass
5510	1	37.275	Pass		
	2	37.326	Pass		
5550	1	37.229	Pass		

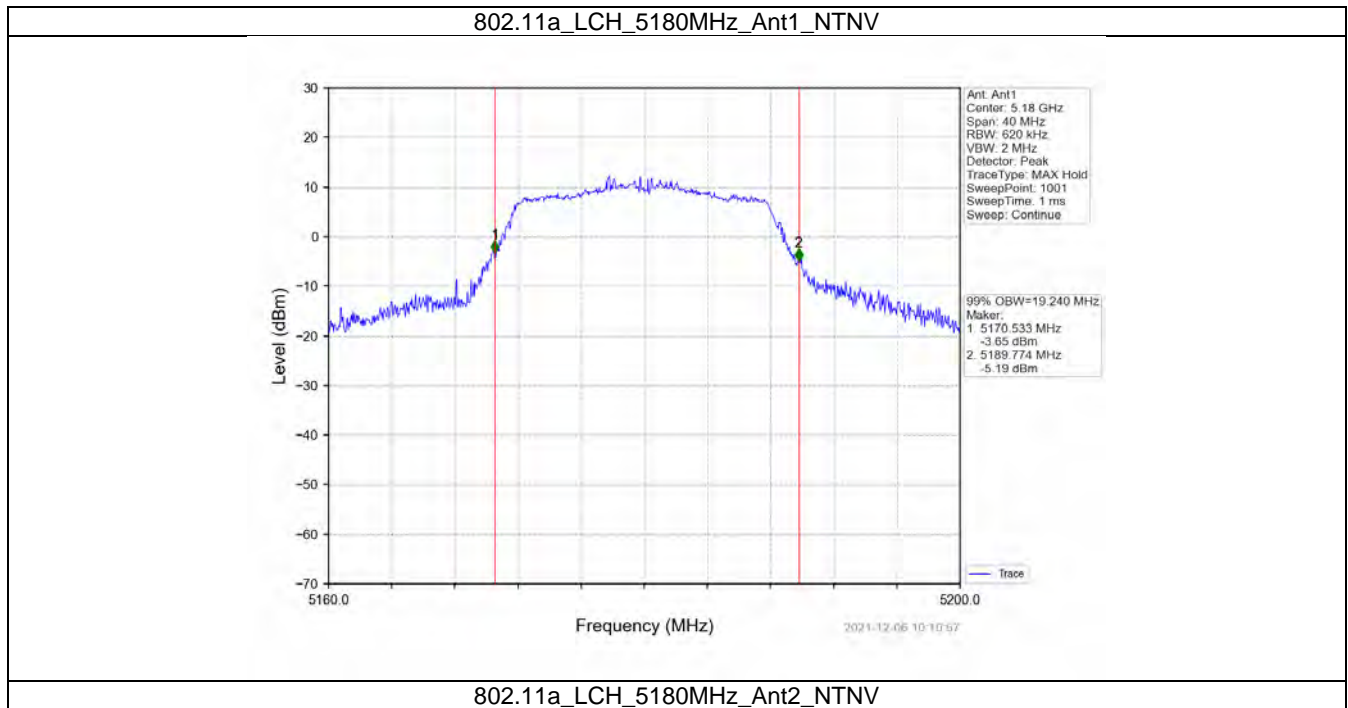


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			2	37.413	Pass
		5670	1	37.125	Pass
			2	37.598	Pass
		5755	1	37.218	Pass
			2	37.483	Pass
		5795	1	37.102	Pass
			2	37.716	Pass
802.11ac (VHT80)	MIMO	5210	1	77.854	Pass
			2	77.038	Pass
		5290	1	77.064	Pass
			2	77.274	Pass
		5530	1	77.698	Pass
			2	77.656	Pass
		5610	1	77.372	Pass
			2	77.381	Pass
		5775	1	76.455	Pass
			2	77.810	Pass

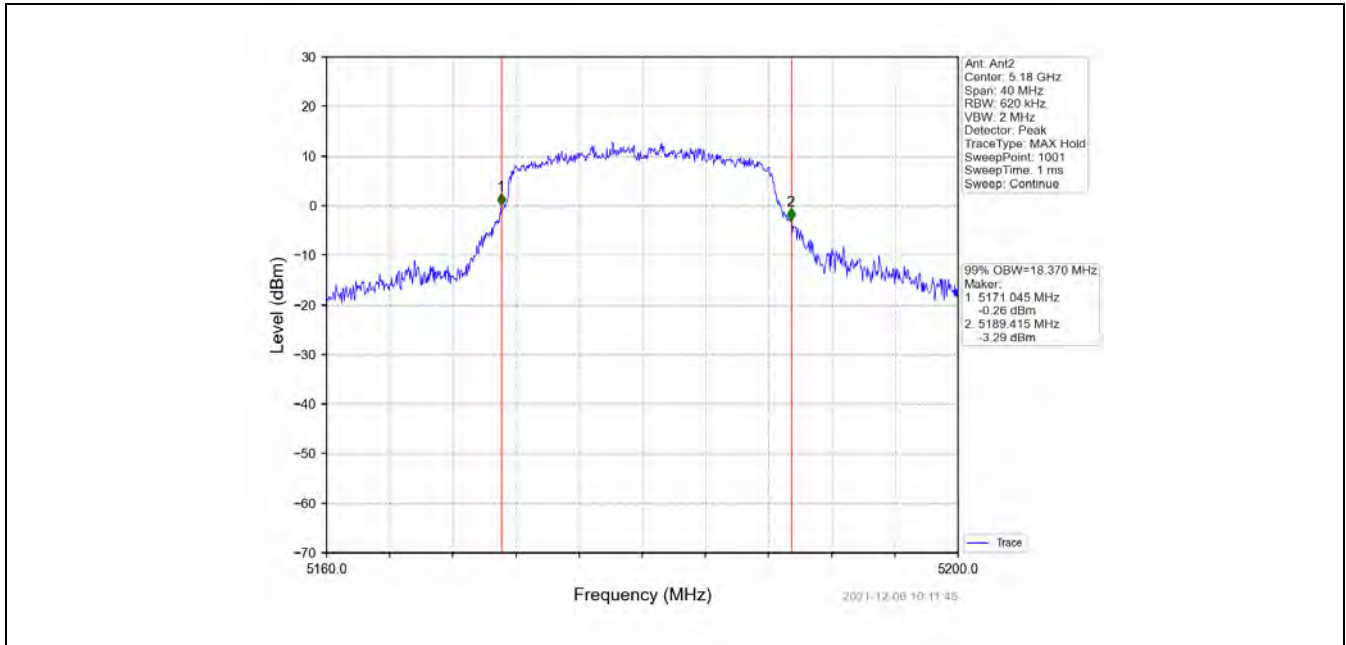
2.1.2 Test Graph



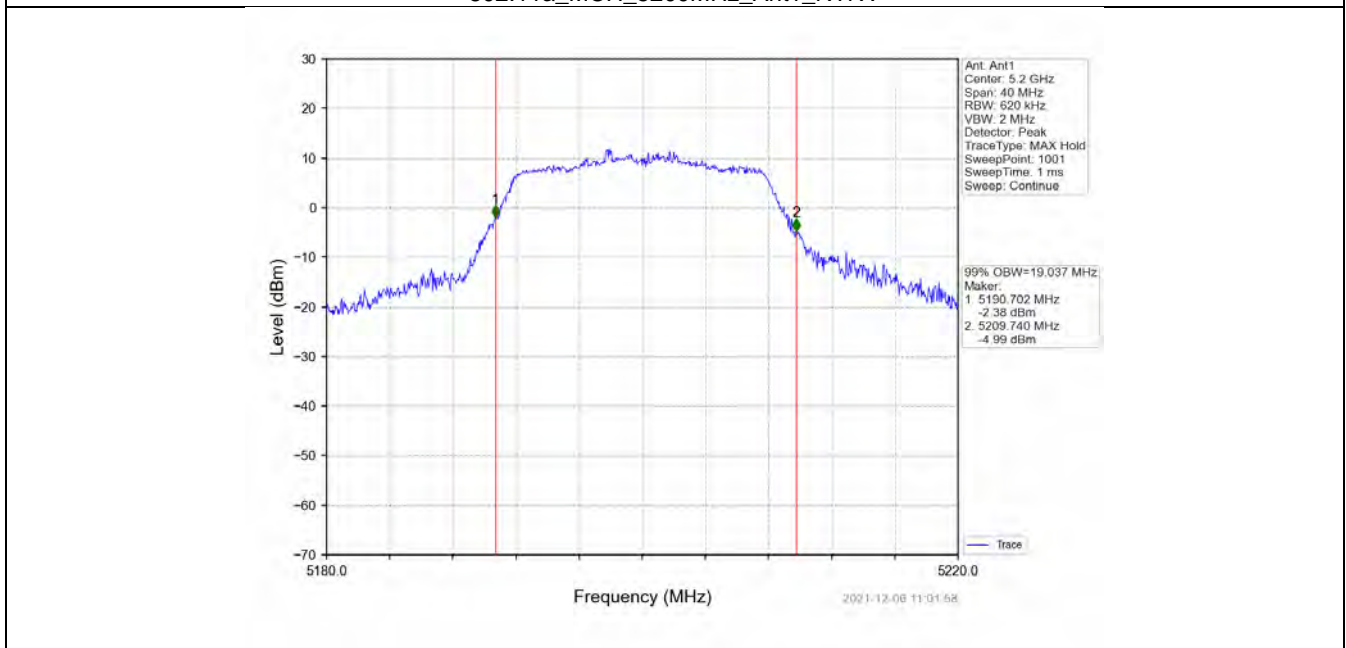
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802.11a_MCH_5200MHz_Ant1_NTNV

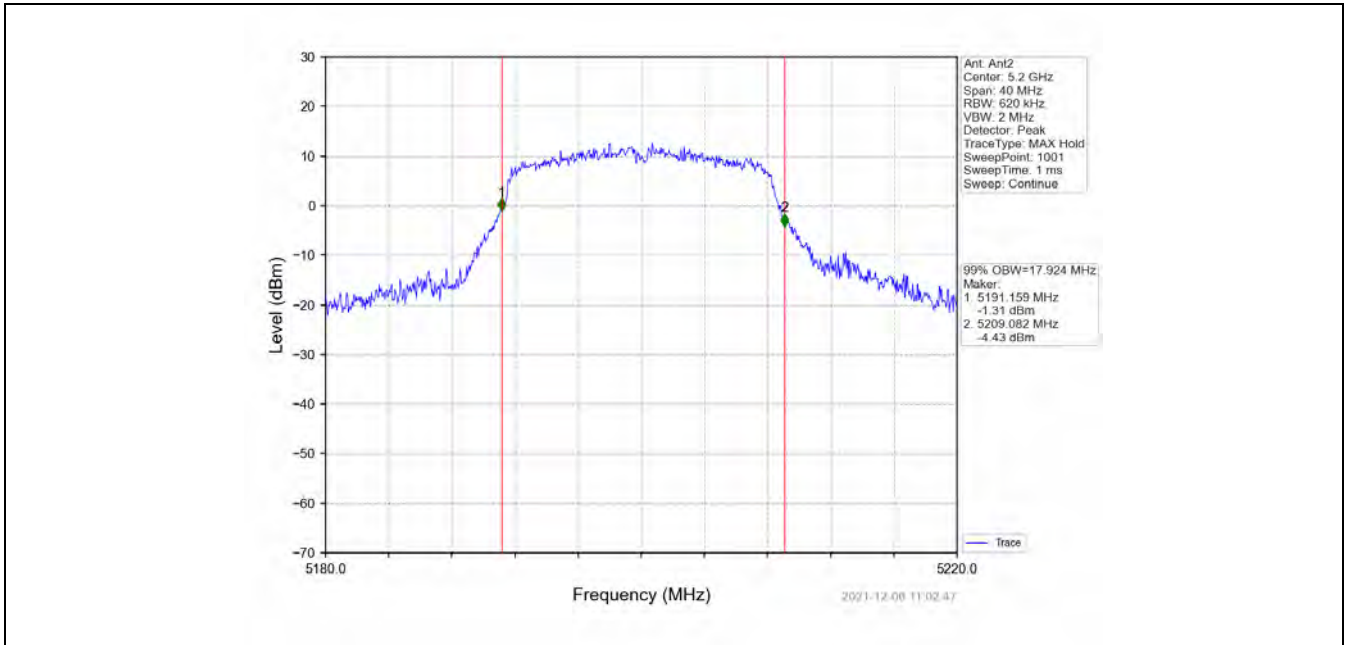


802.11a_MCH_5200MHz_Ant2_NTNV

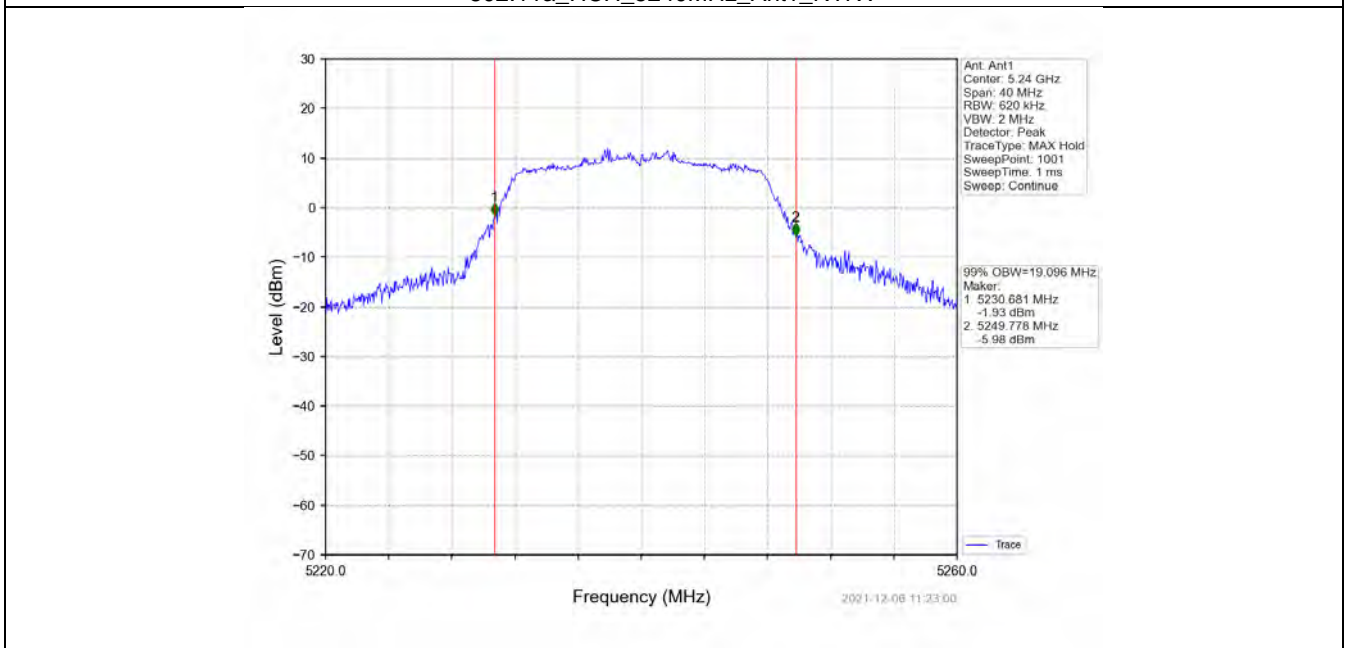


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802.11a_HCH_5240MHz_Ant1_NTNV

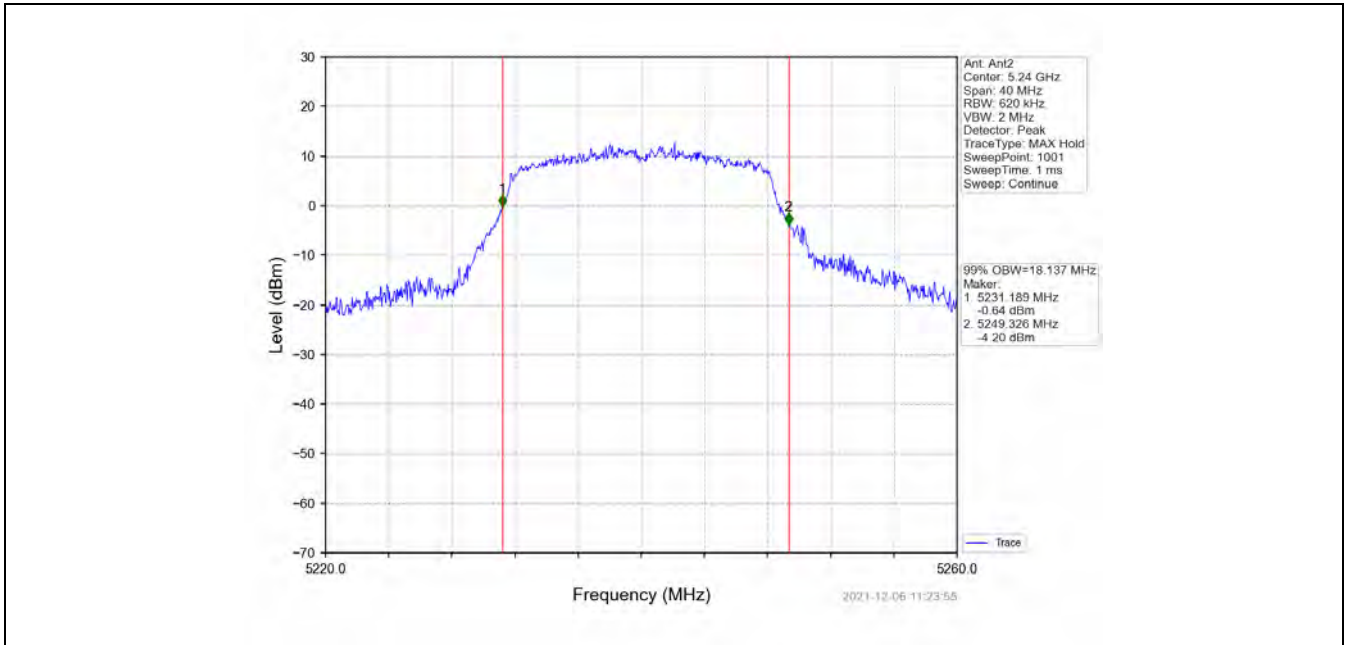


802.11a_HCH_5240MHz_Ant2_NTNV

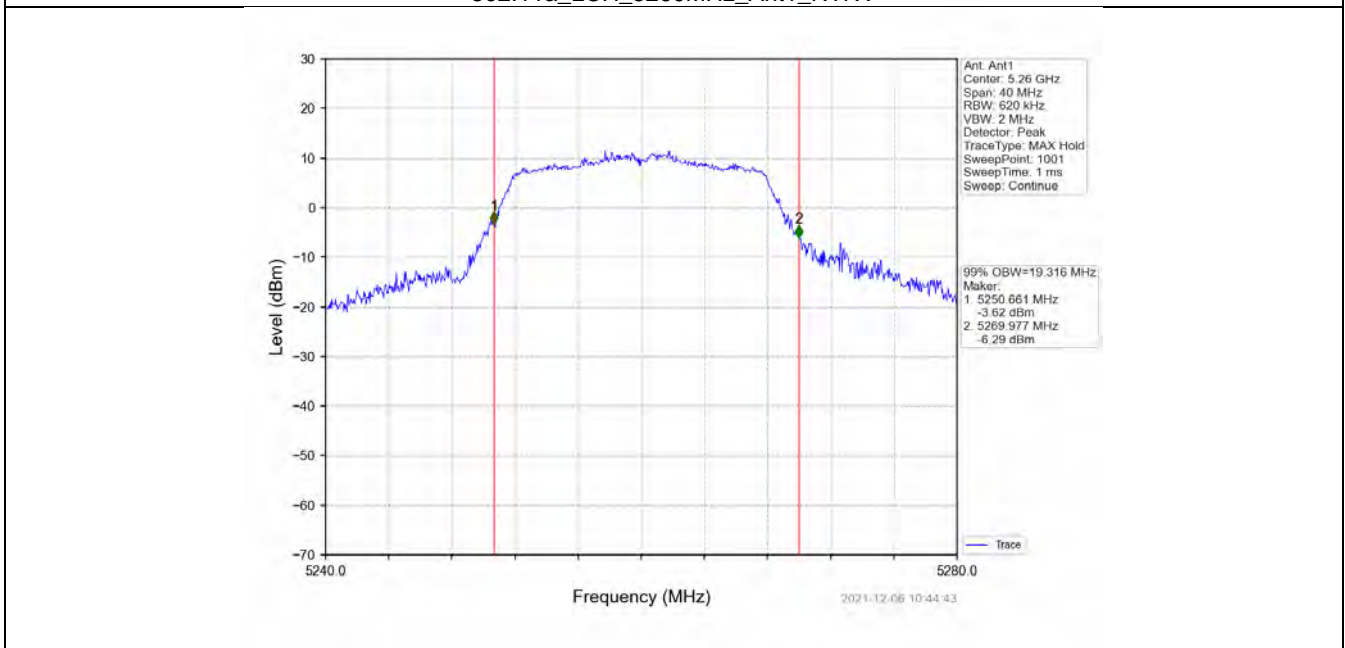


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802.11a_LCH_5260MHz_Ant1_NTNV

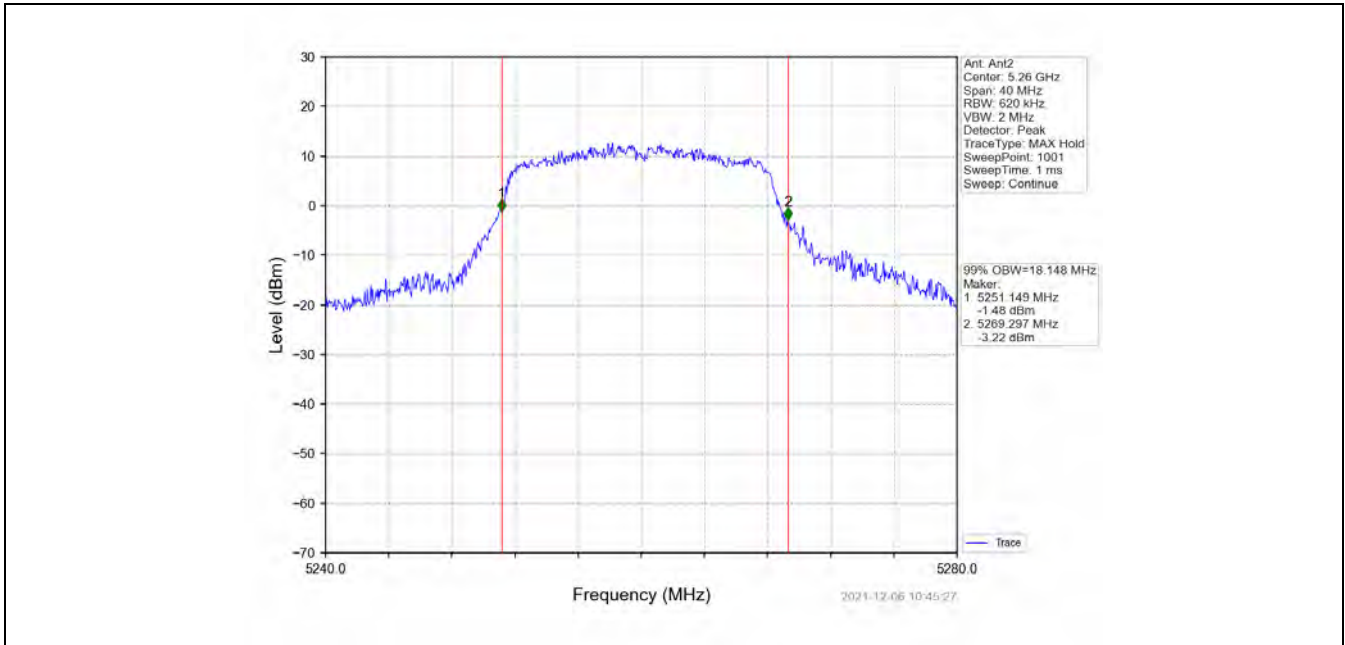


802.11a_LCH_5260MHz_Ant2_NTNV

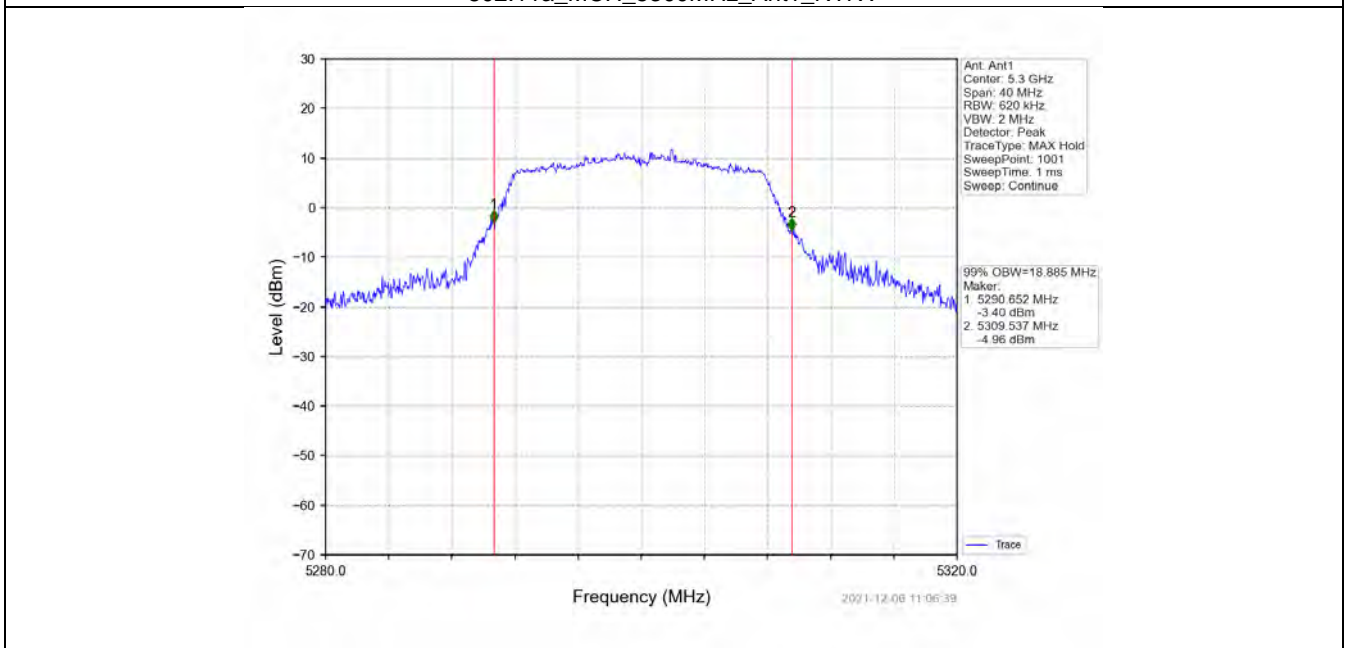


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802.11a_MCH_5300MHz_Ant1_NTNV

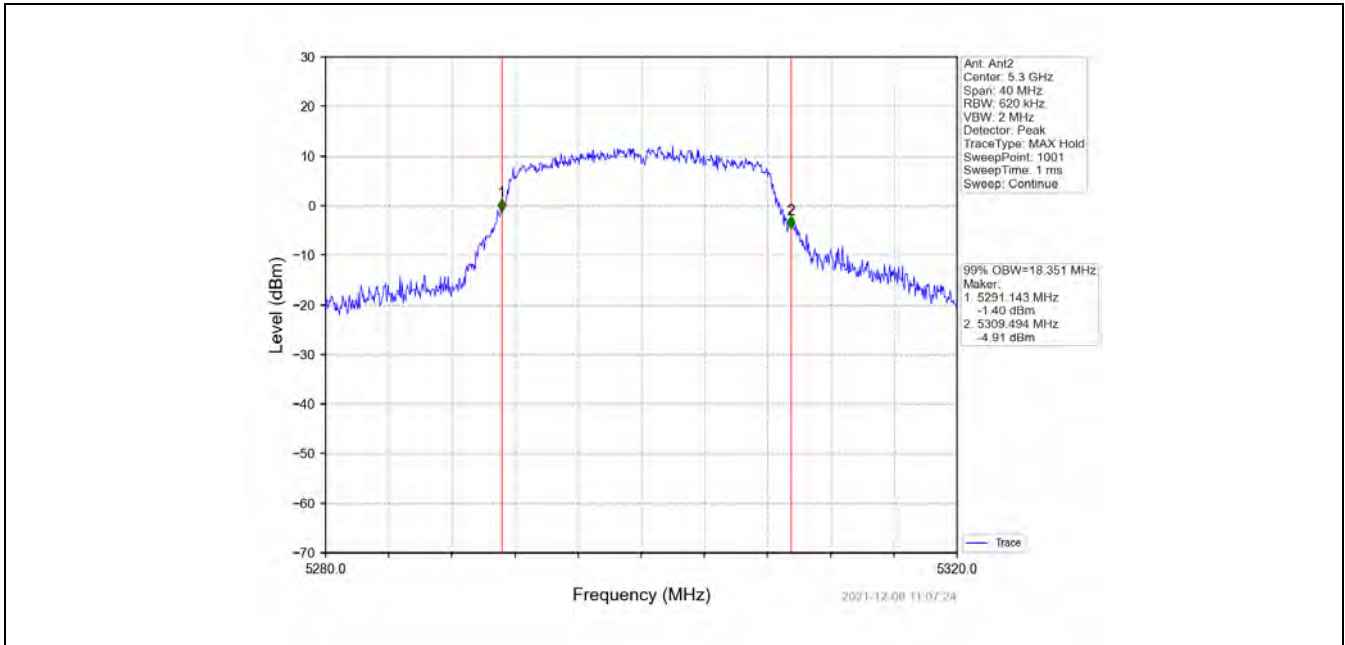


802.11a_MCH_5300MHz_Ant2_NTNV

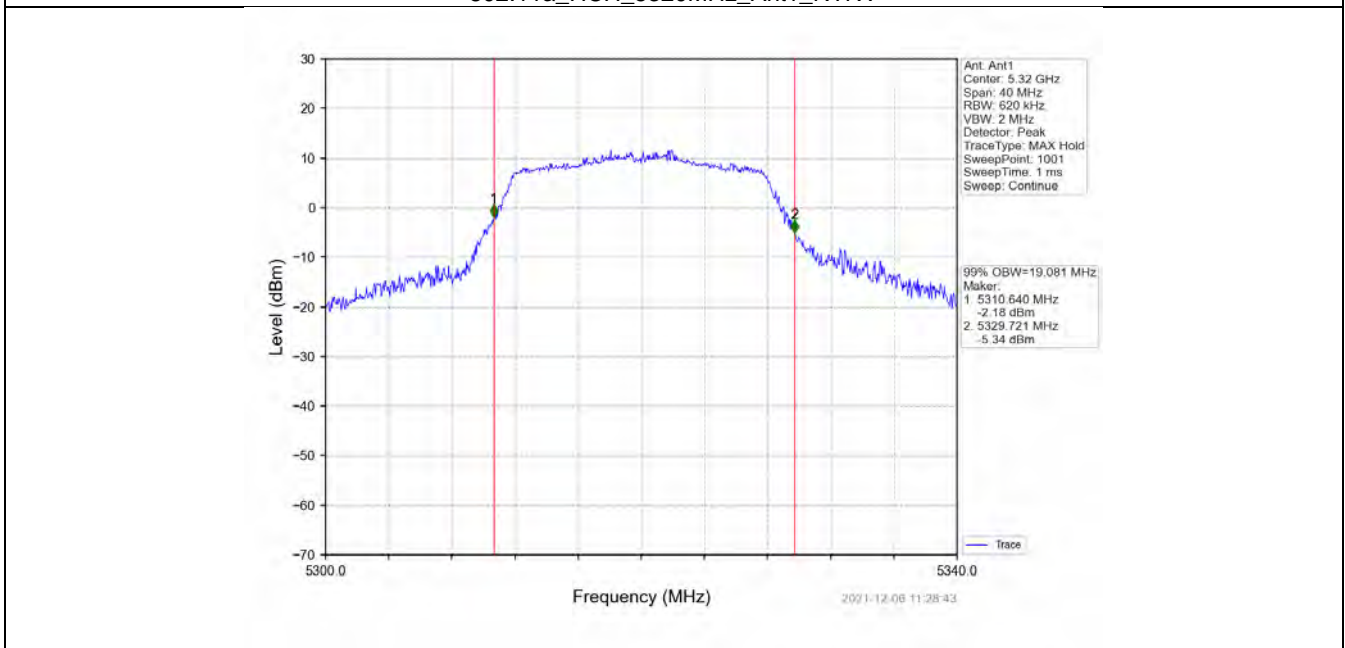


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802.11a_HCH_5320MHz_Ant1_NTNV

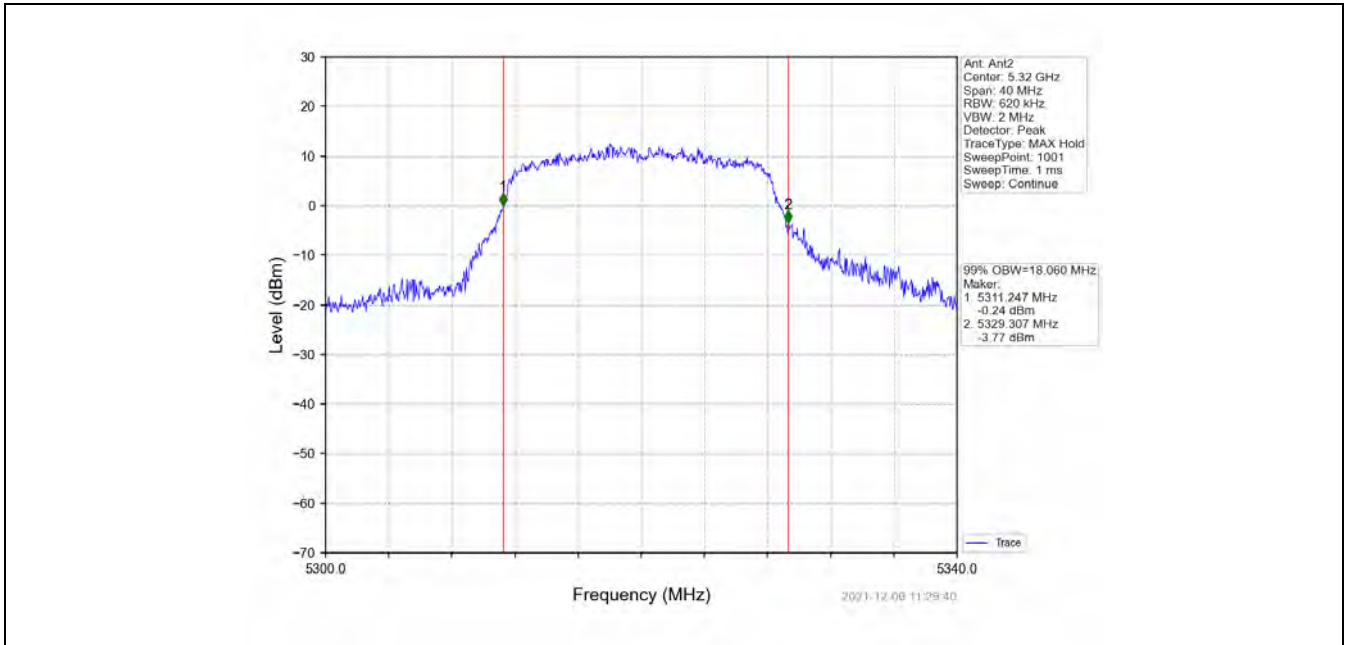


802.11a_HCH_5320MHz_Ant2_NTNV

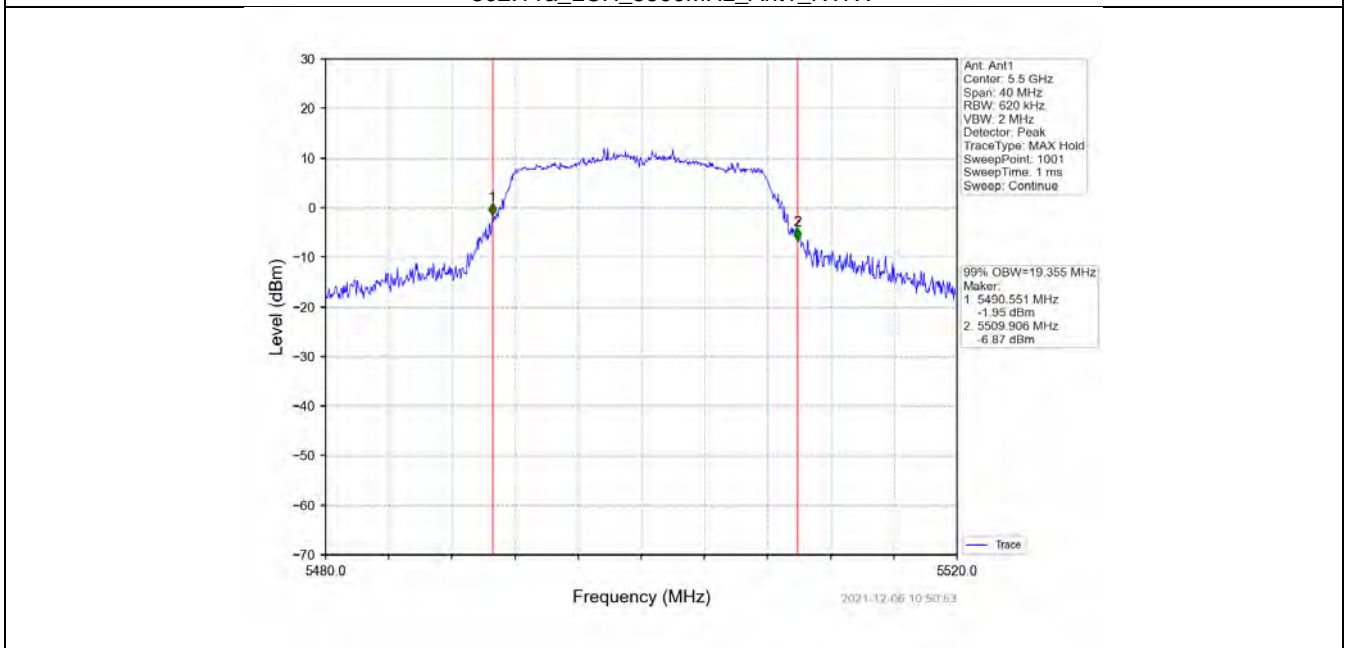


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802.11a_LCH_5500MHz_Ant1_NTNV



802.11a_LCH_5500MHz_Ant2_NTNV



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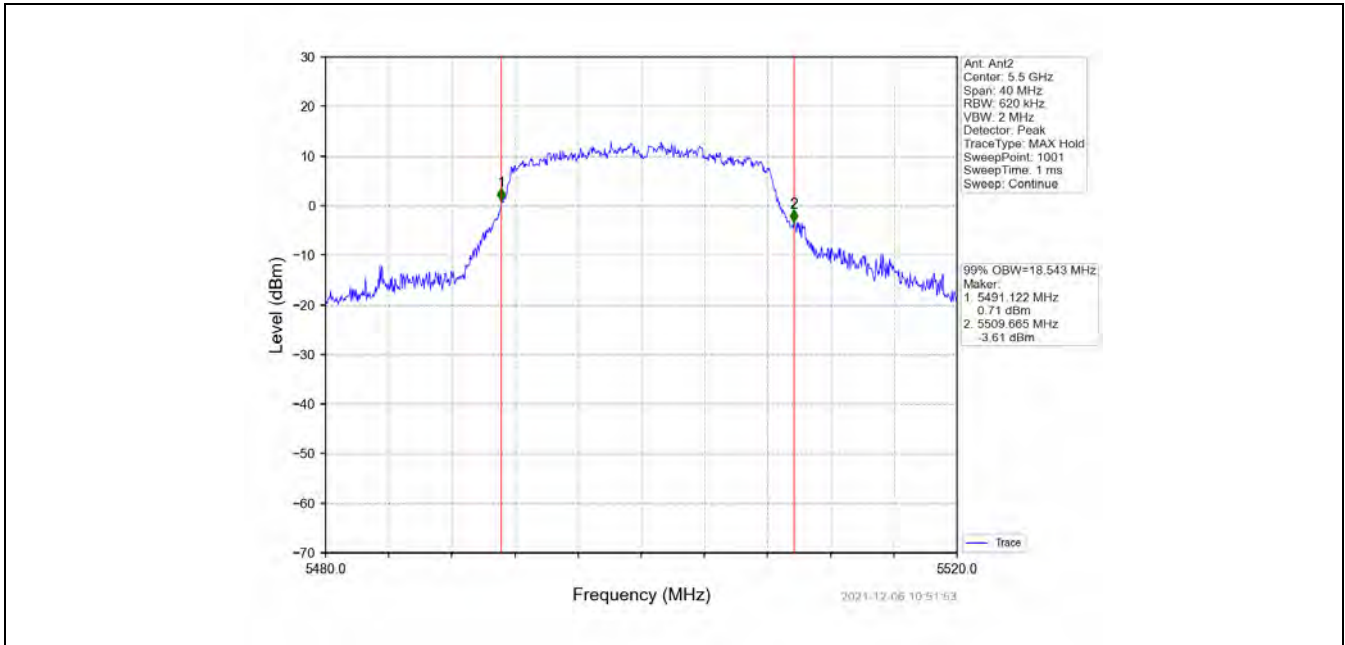
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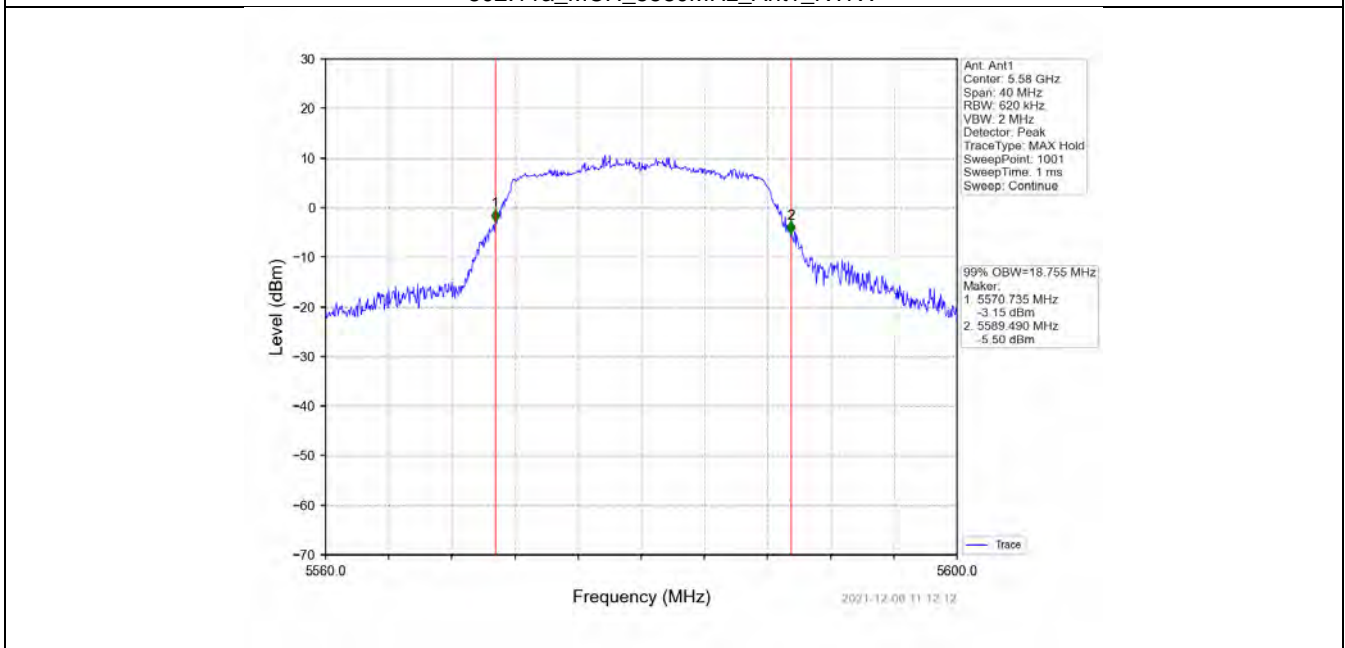
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802.11a_MCH_5580MHz_Ant1_NTNV

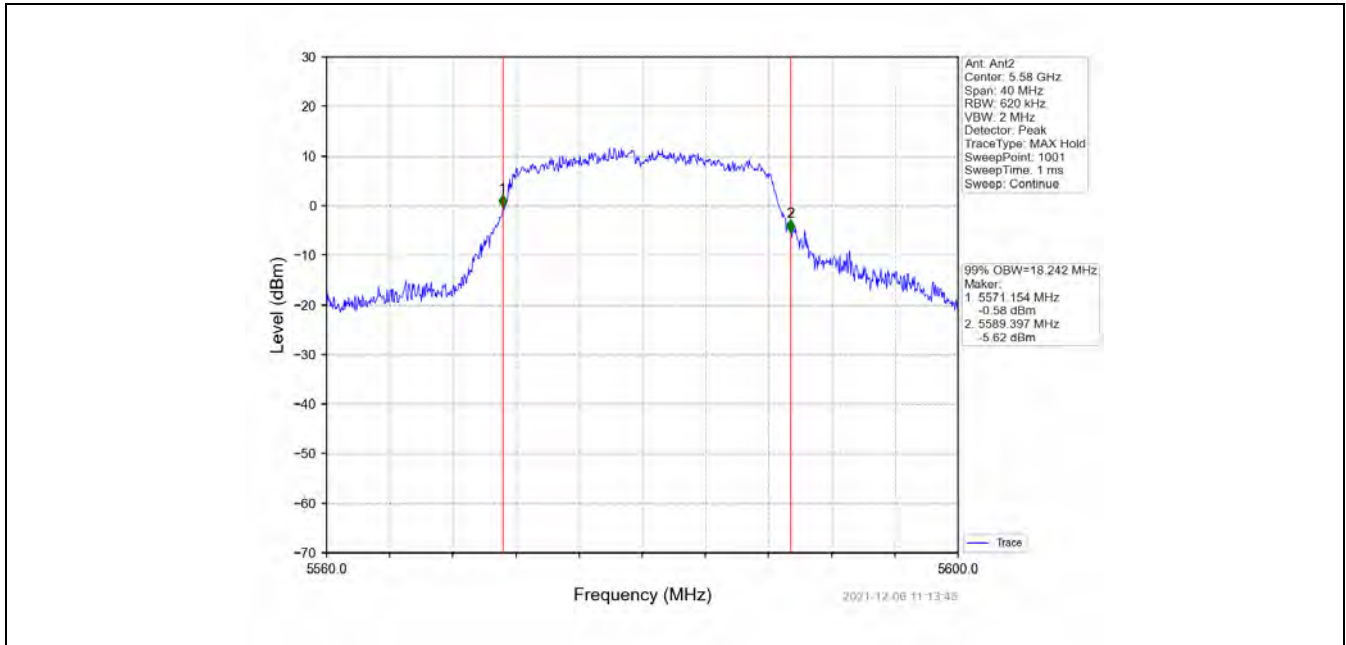


802.11a_MCH_5580MHz_Ant2_NTNV

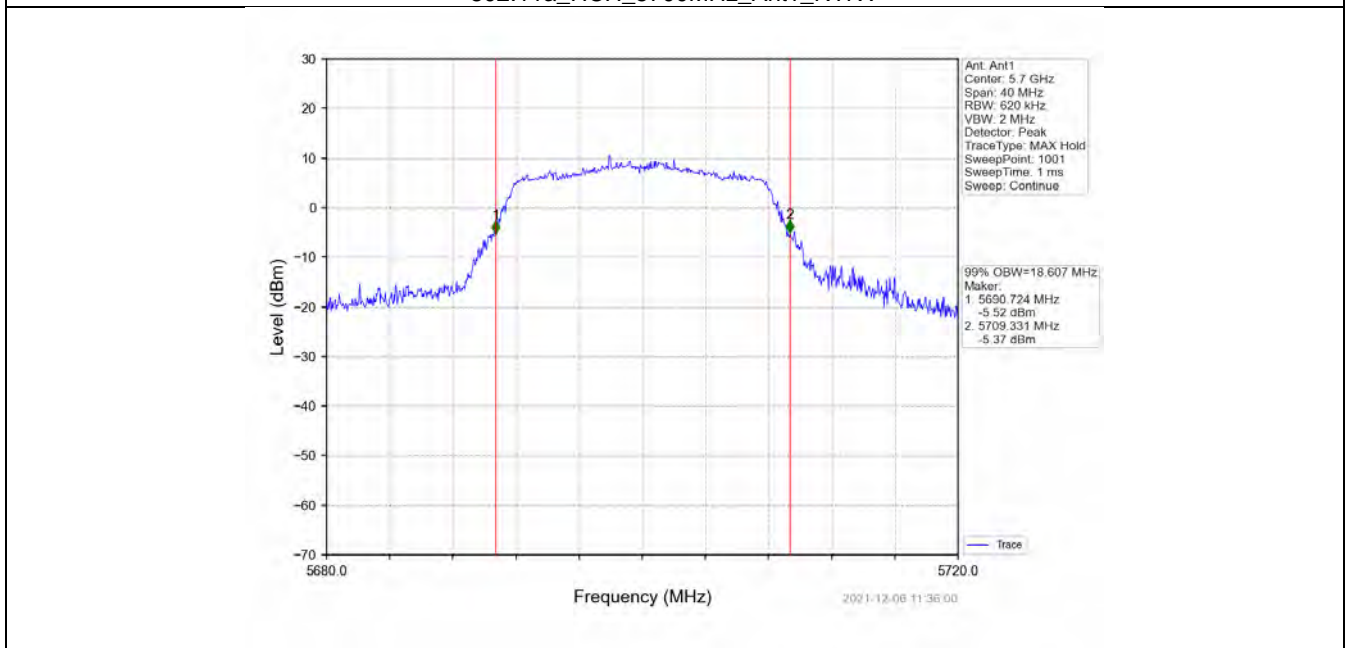


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802.11a_HCH_5700MHz_Ant1_NTNV

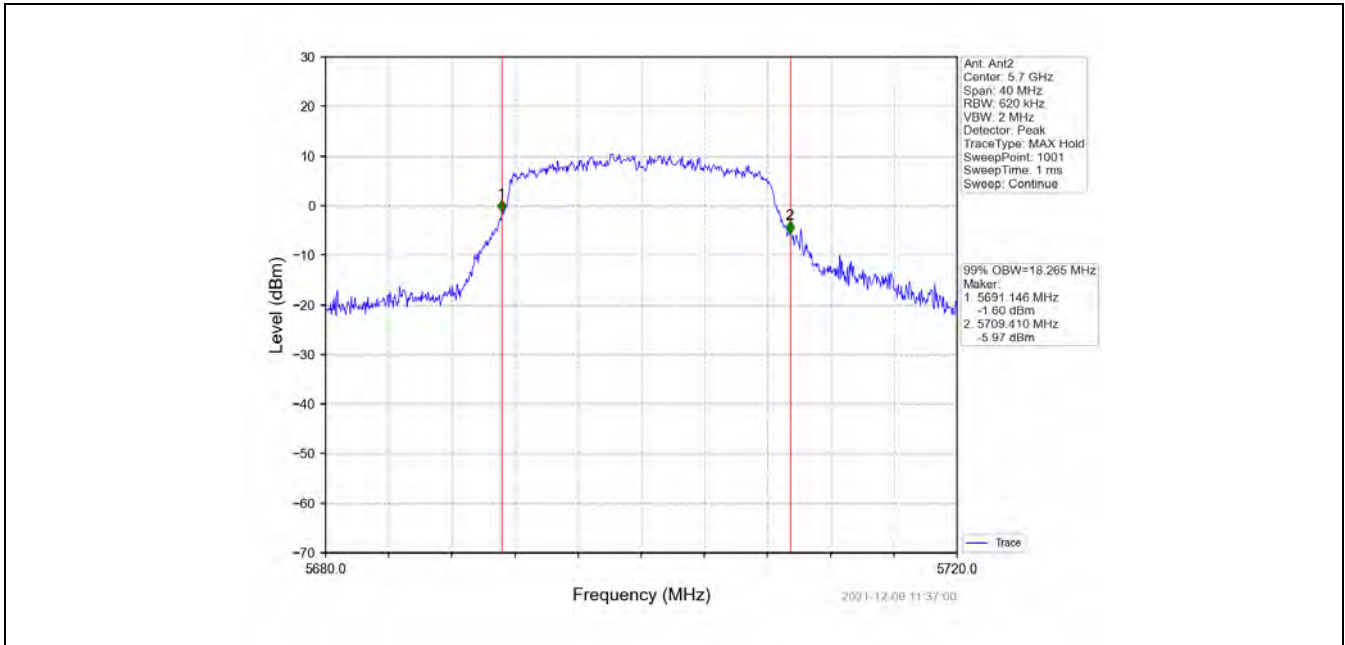


802.11a_HCH_5700MHz_Ant2_NTNV

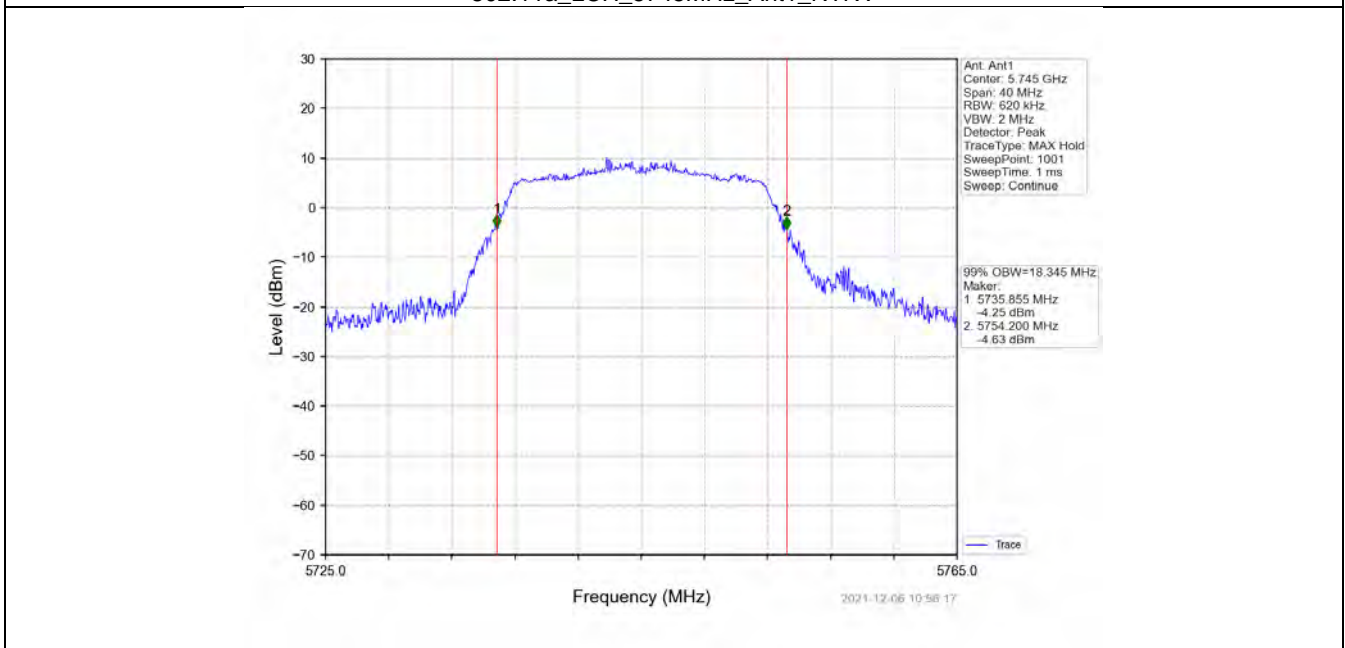


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802.11a_LCH_5745MHz_Ant1_NTNV

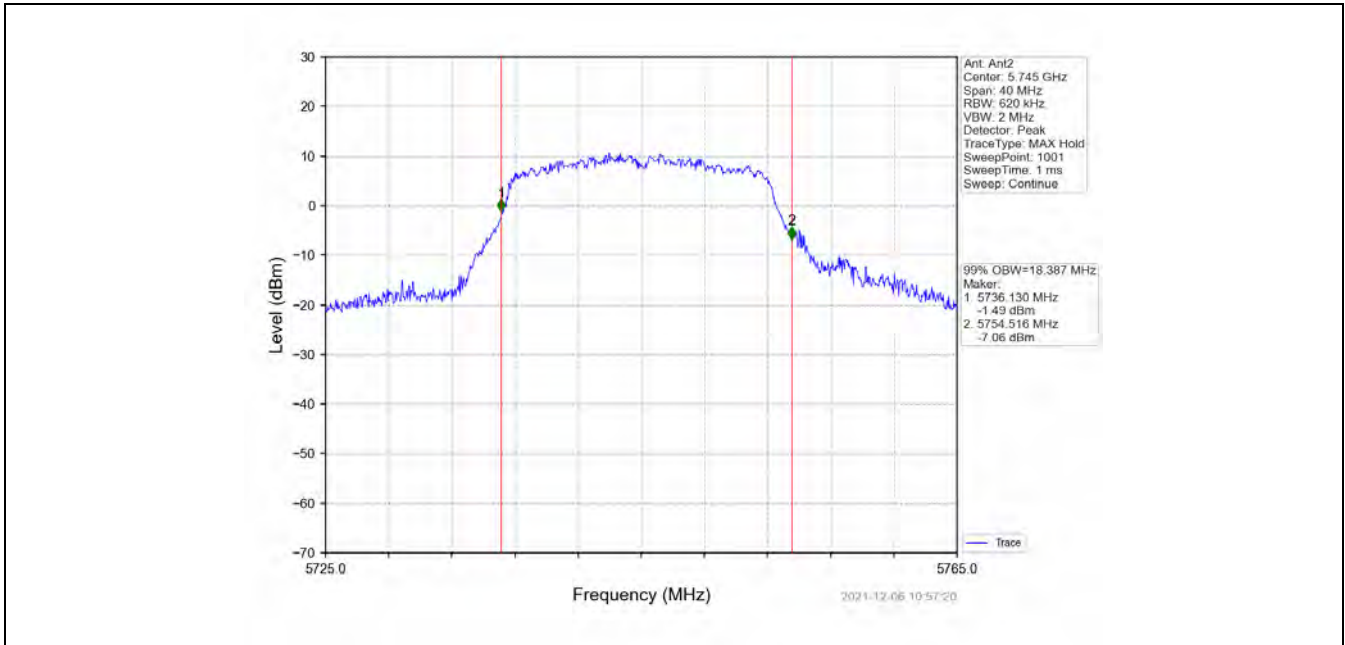


802.11a_LCH_5745MHz_Ant2_NTNV

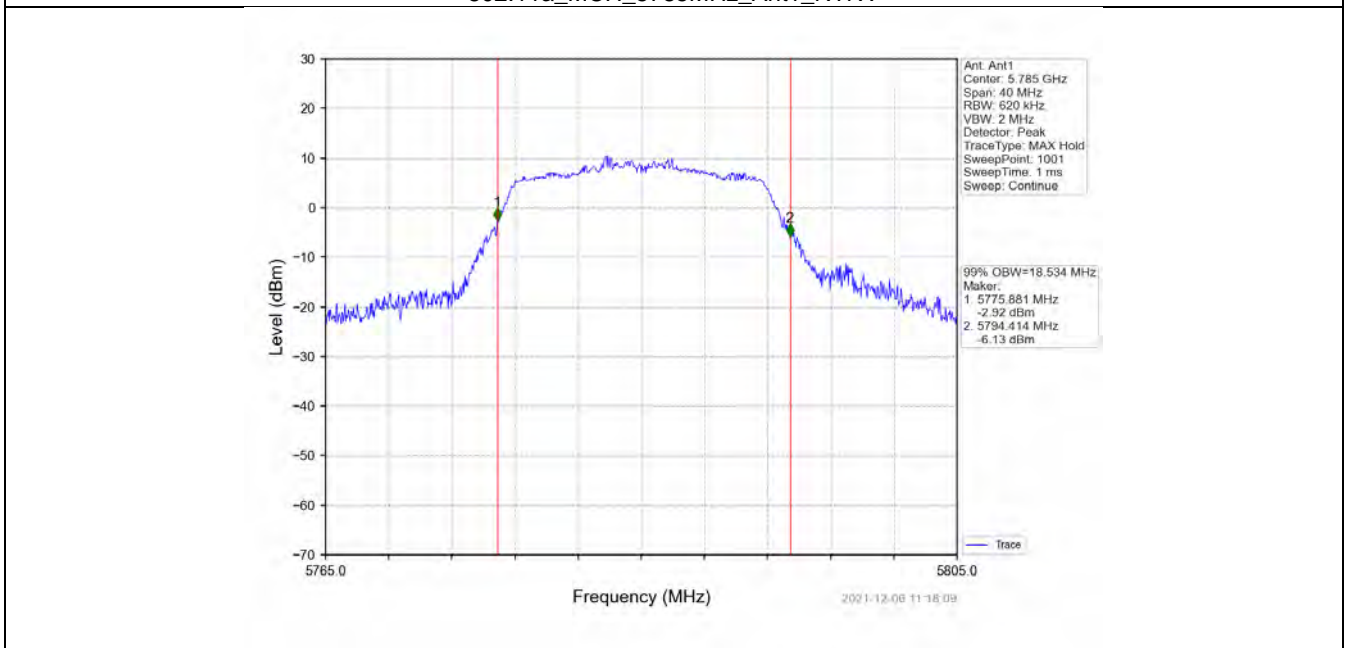


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802.11a_MCH_5785MHz_Ant1_NTNV

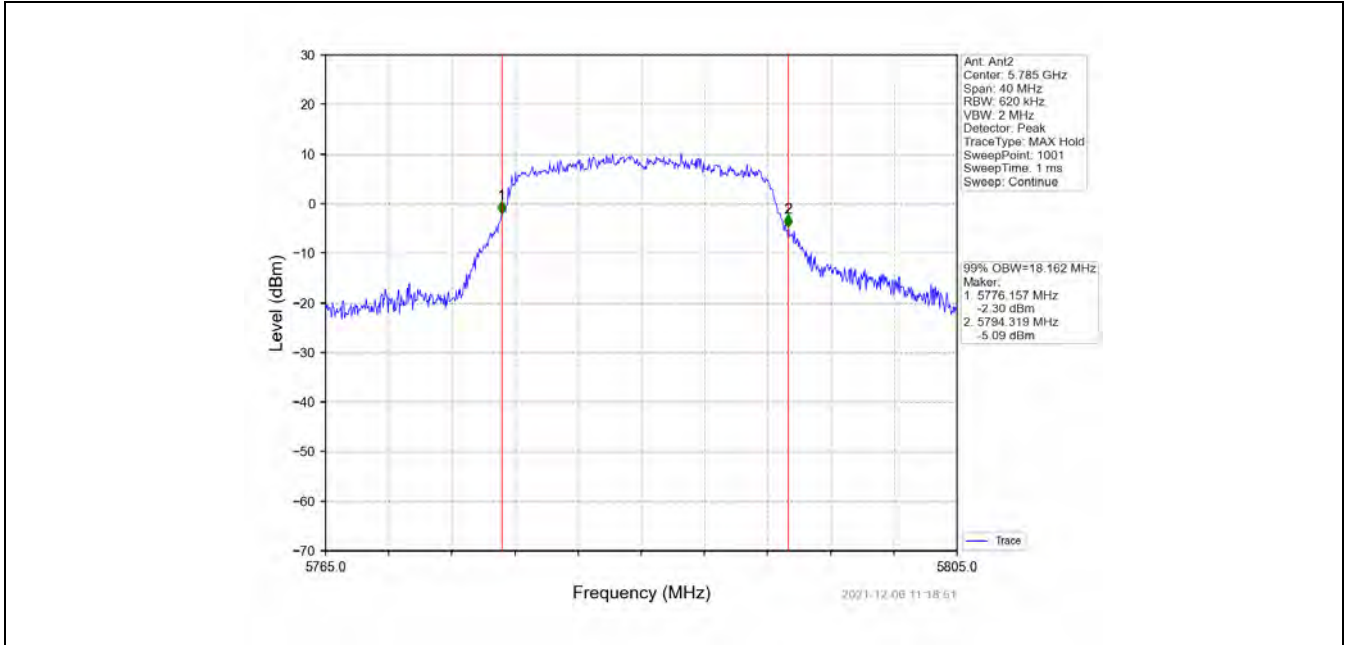


802.11a_MCH_5785MHz_Ant2_NTNV

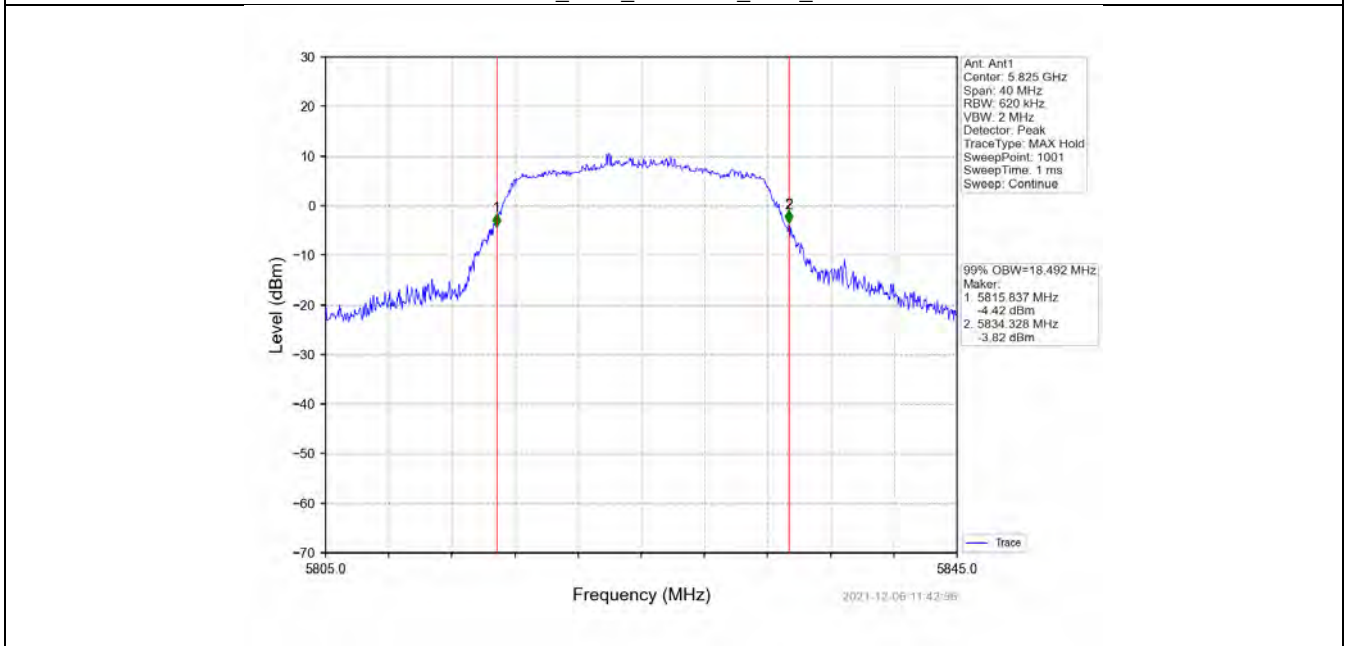


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802.11a_HCH_5825MHz_Ant1_NTNV

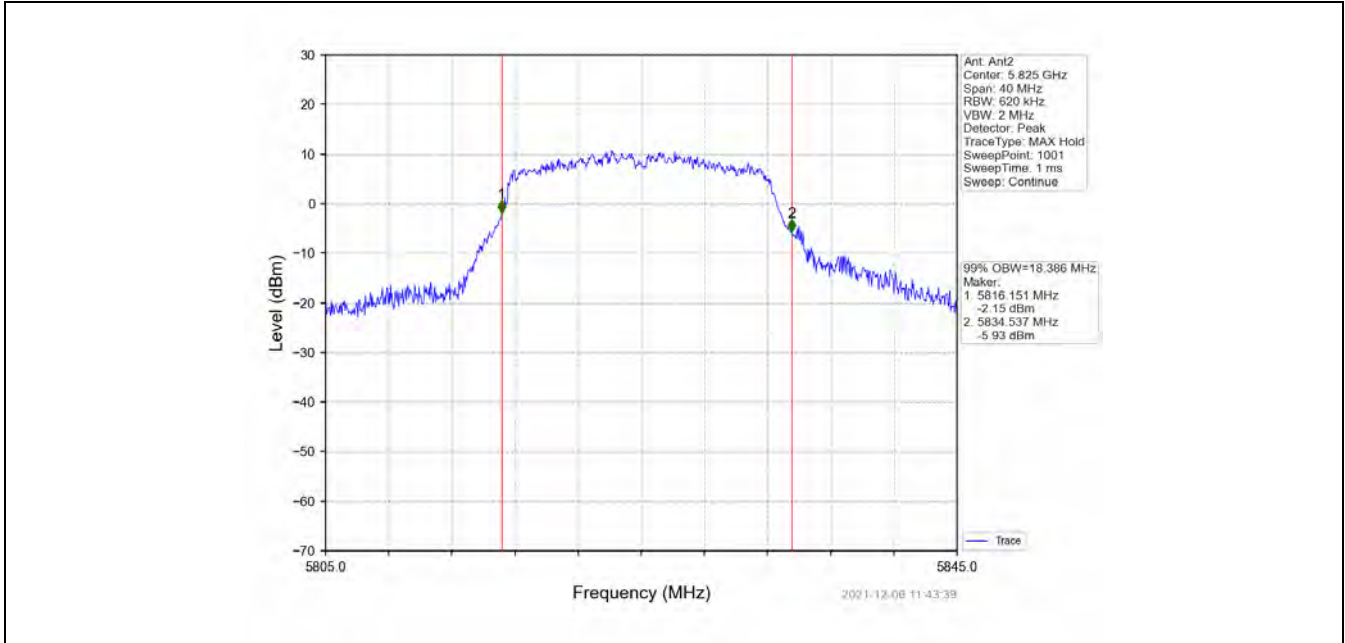


802.11a_HCH_5825MHz_Ant2_NTNV

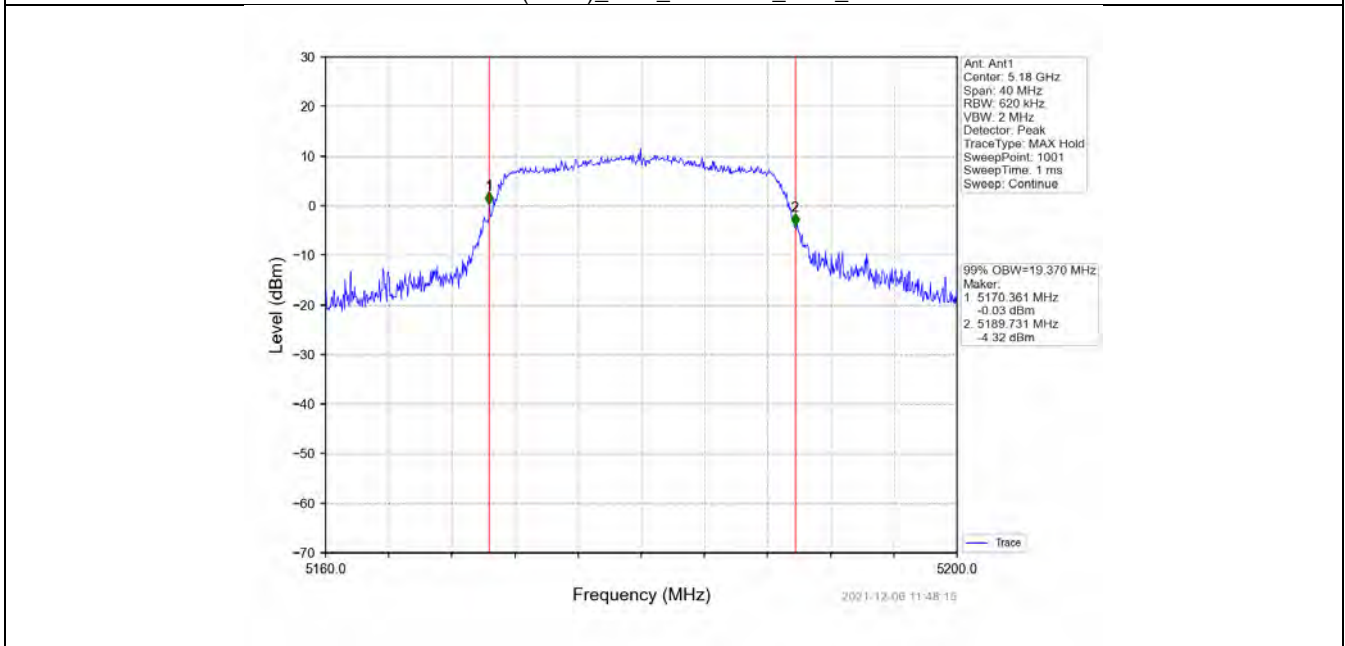


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802.11n(HT20)_LCH_5180MHz_Ant1_NTNV

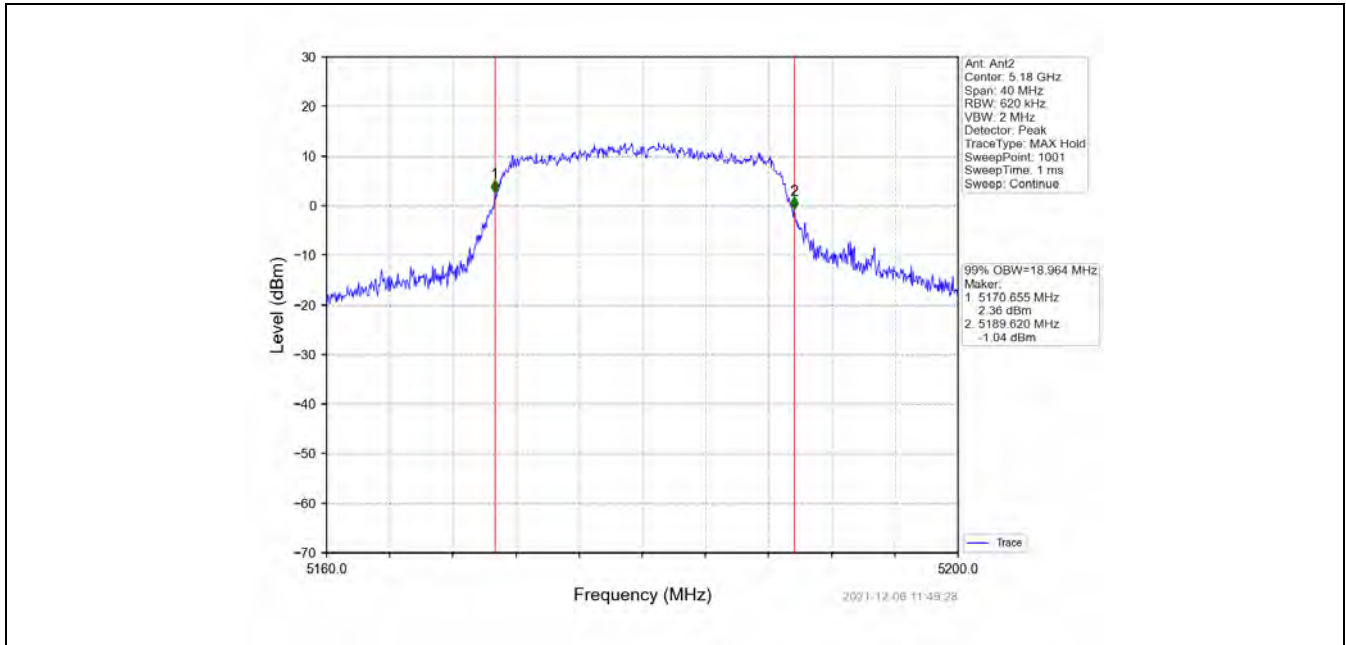


802.11n(HT20)_LCH_5180MHz_Ant2_NTNV

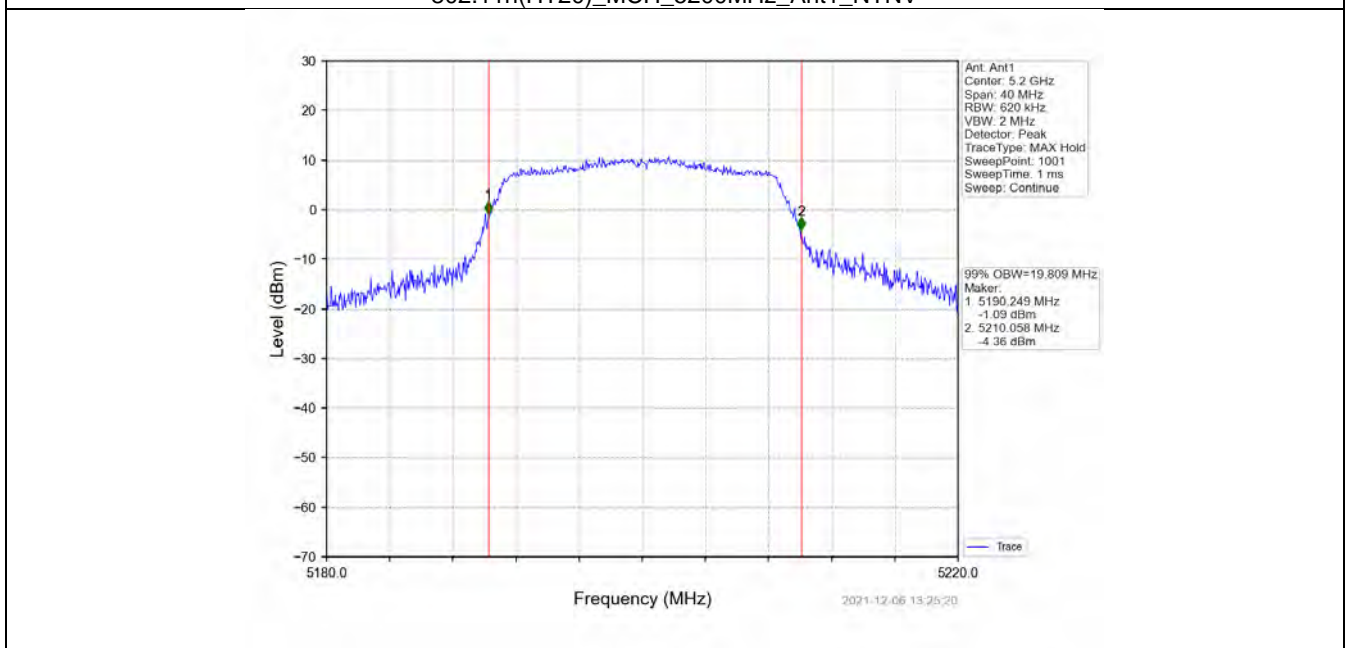


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802.11n(HT20)_MCH_5200MHz_Ant1_NTNV

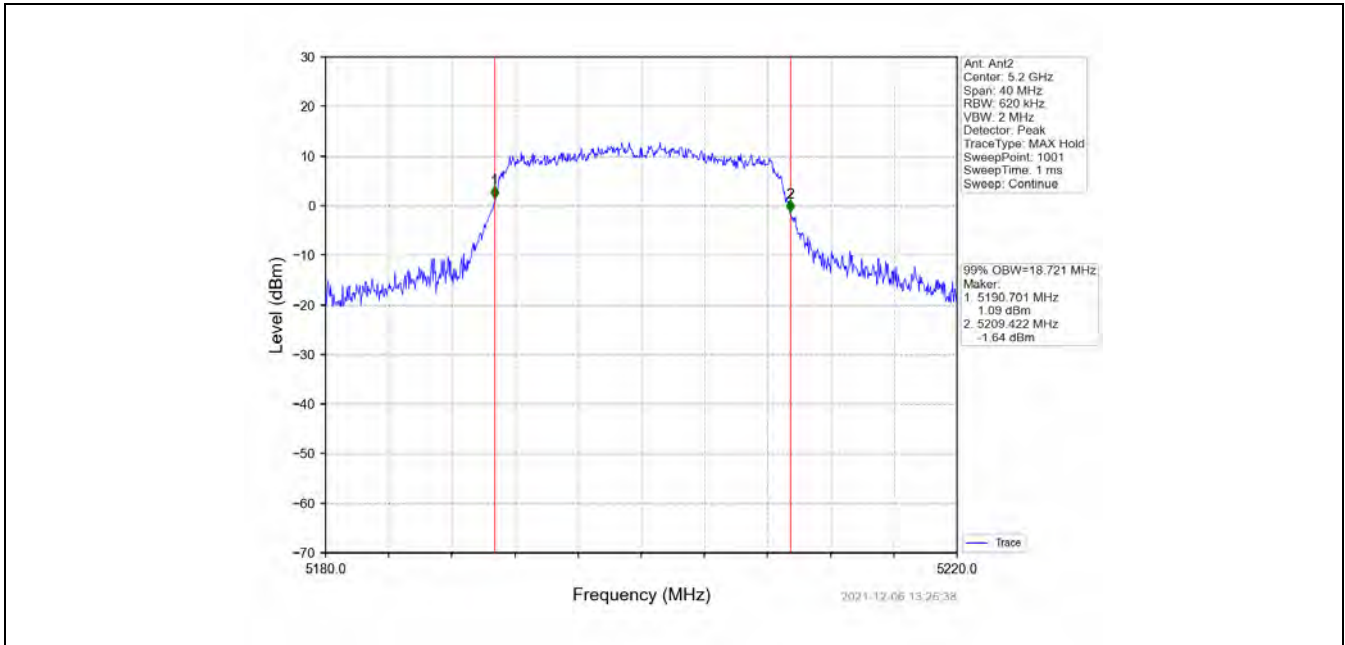


802.11n(HT20)_MCH_5200MHz_Ant2_NTNV

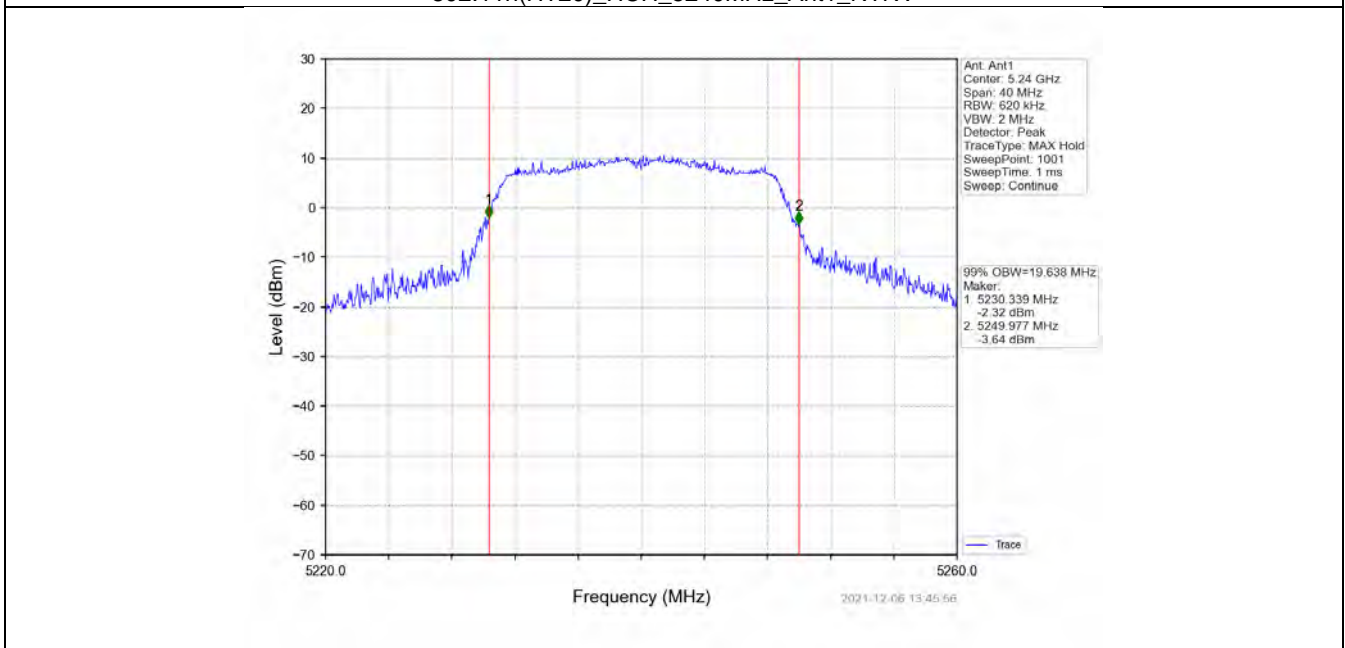


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802.11n(HT20)_HCH_5240MHz_Ant1_NTNV

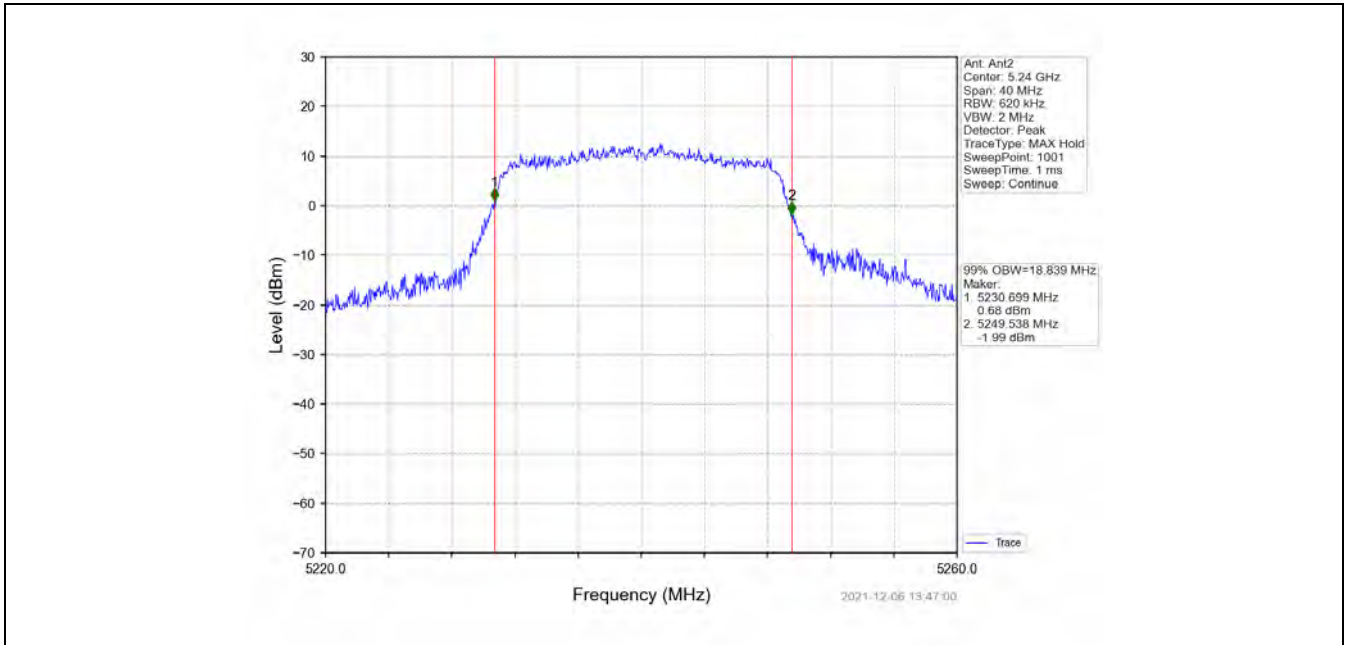


802.11n(HT20)_HCH_5240MHz_Ant2_NTNV

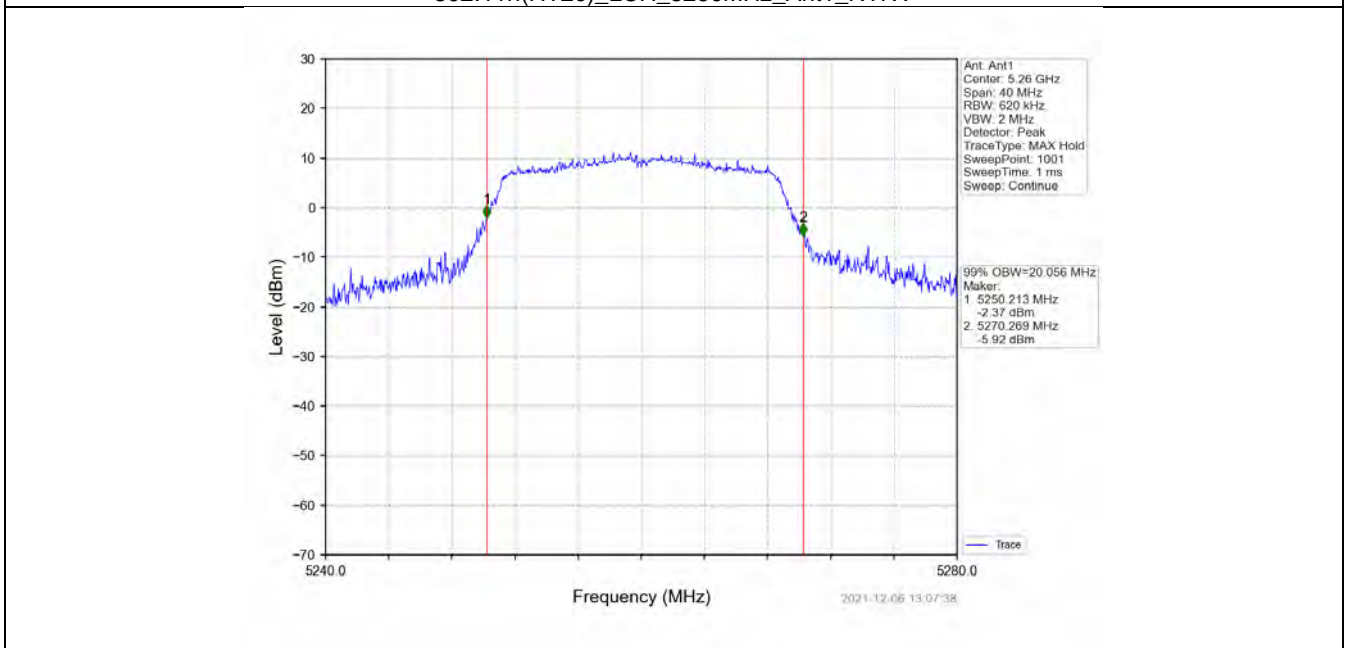


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802.11n(HT20)_LCH_5260MHz_Ant1_NTNV

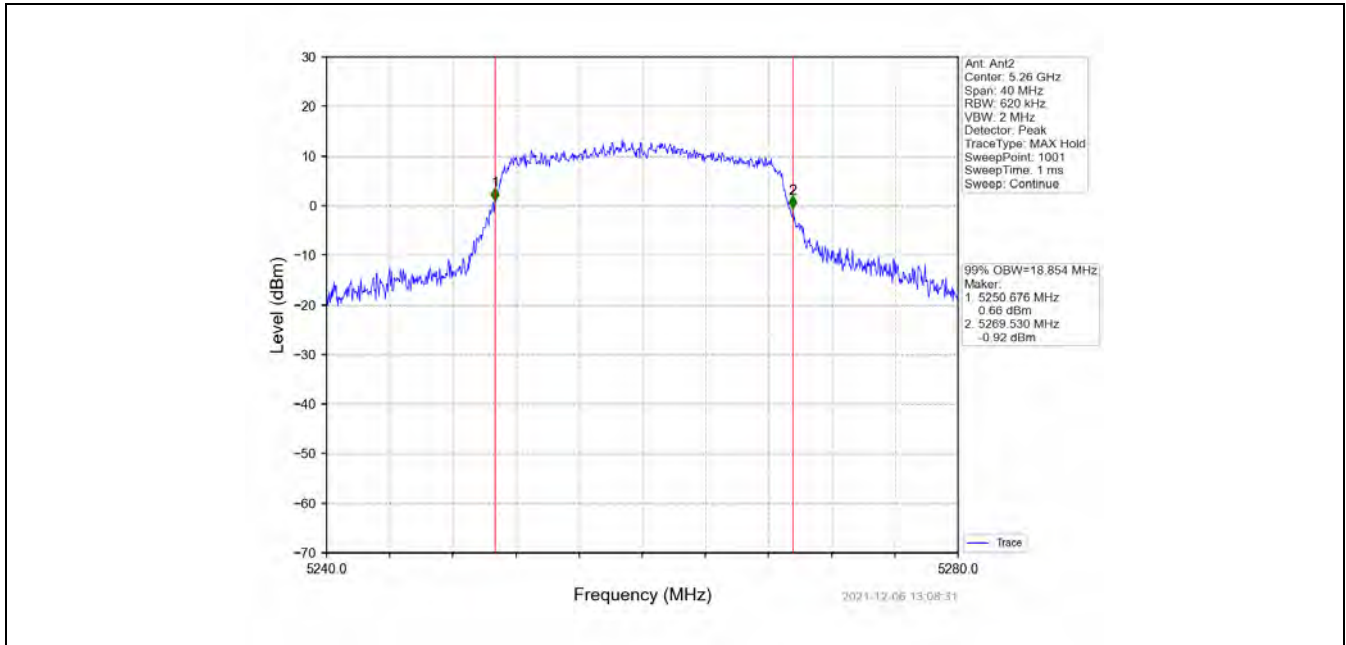


802.11n(HT20)_LCH_5260MHz_Ant2_NTNV

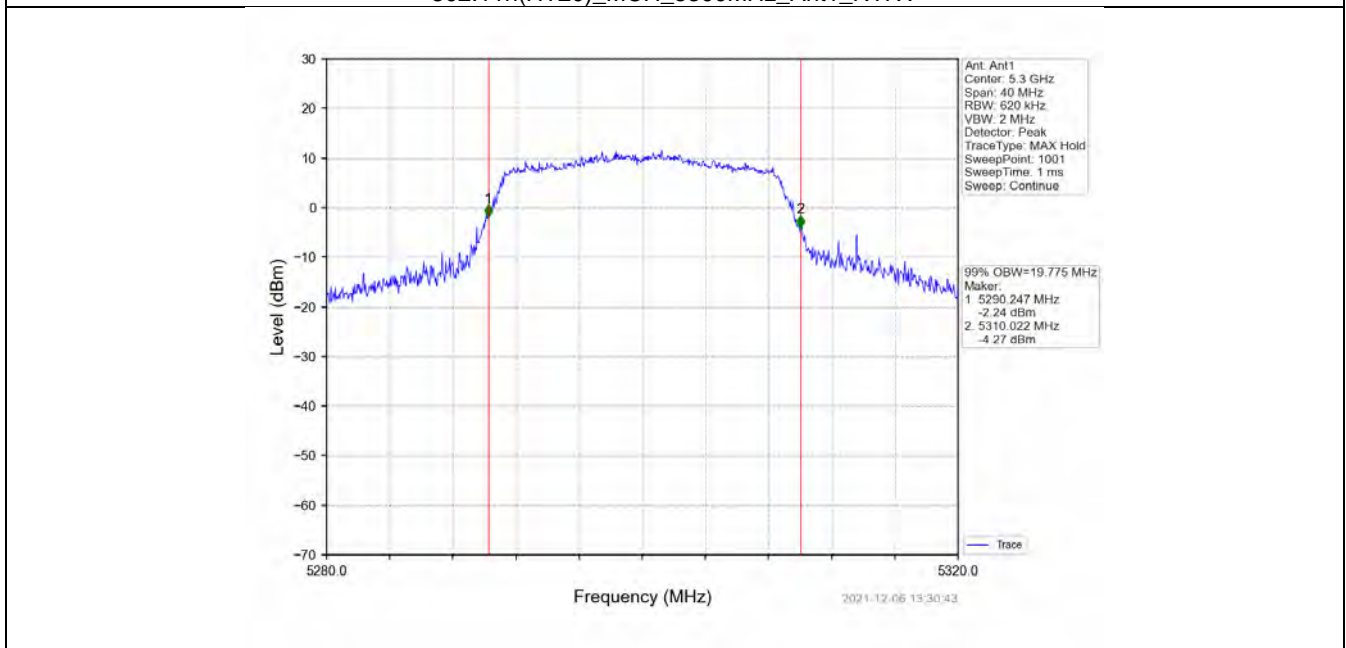


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802.11n(HT20)_MCH_5300MHz_Ant1_NTNV

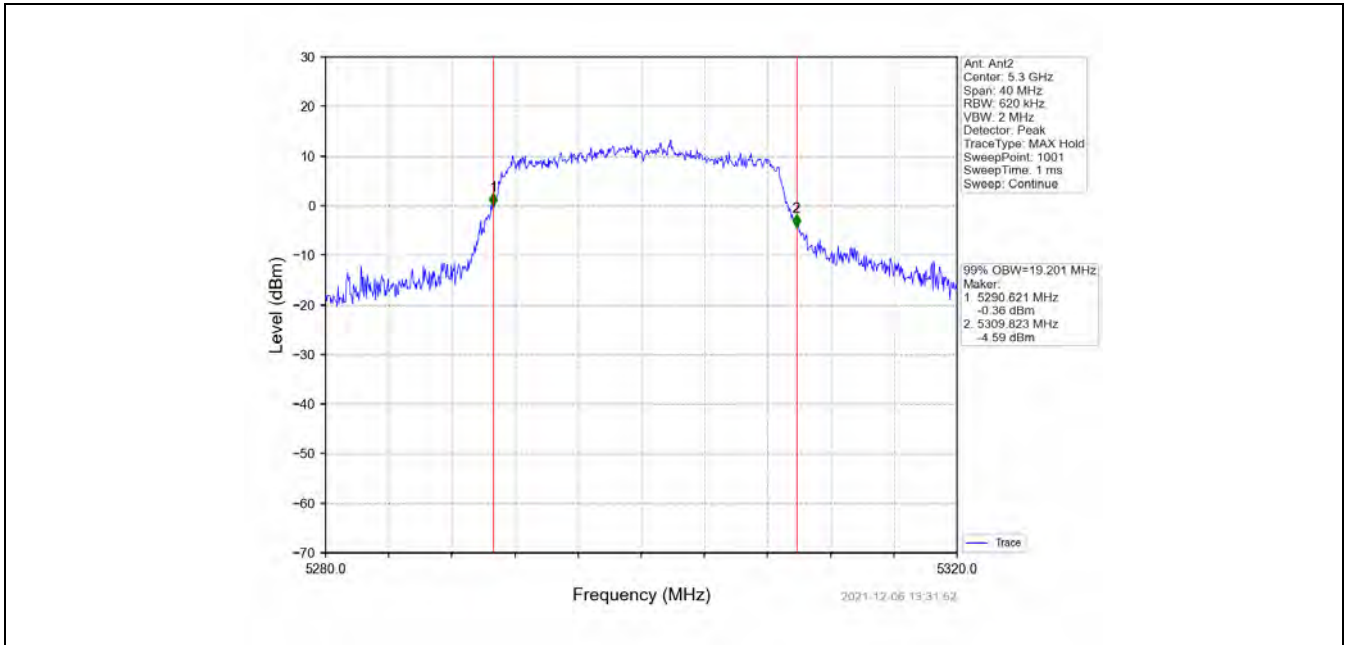


802.11n(HT20)_MCH_5300MHz_Ant2_NTNV

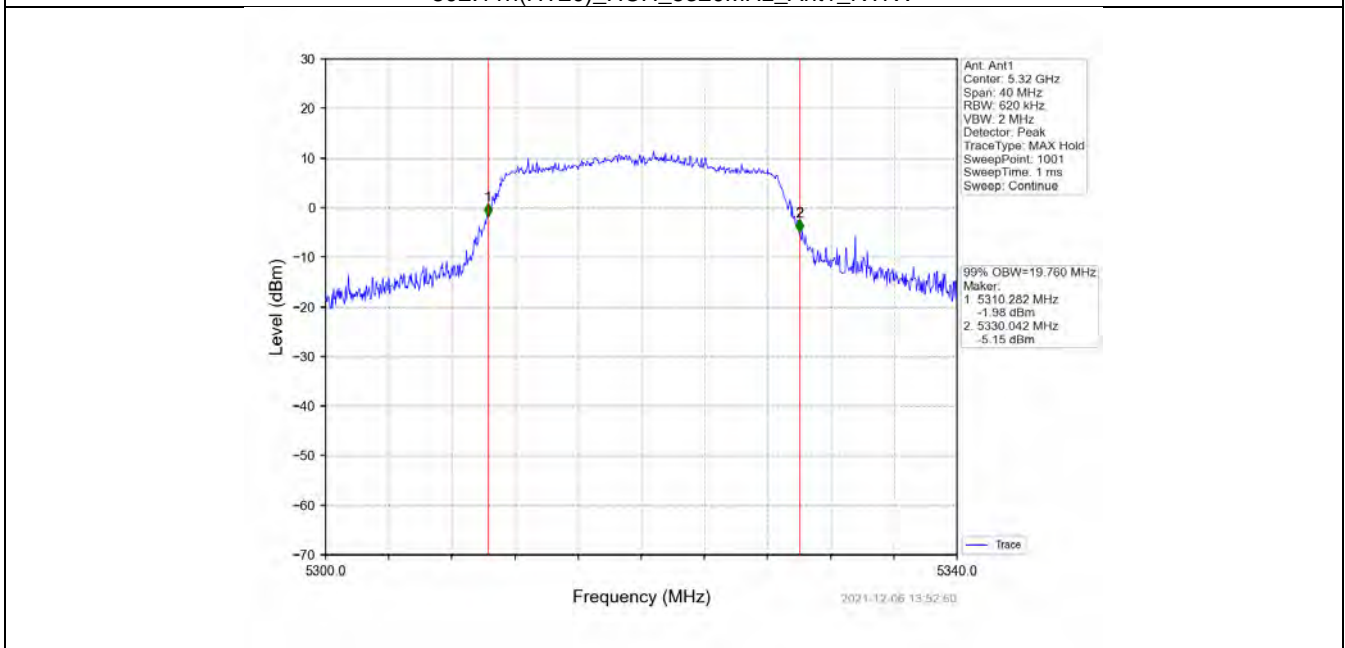


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802.11n(HT20)_HCH_5320MHz_Ant1_NTNV

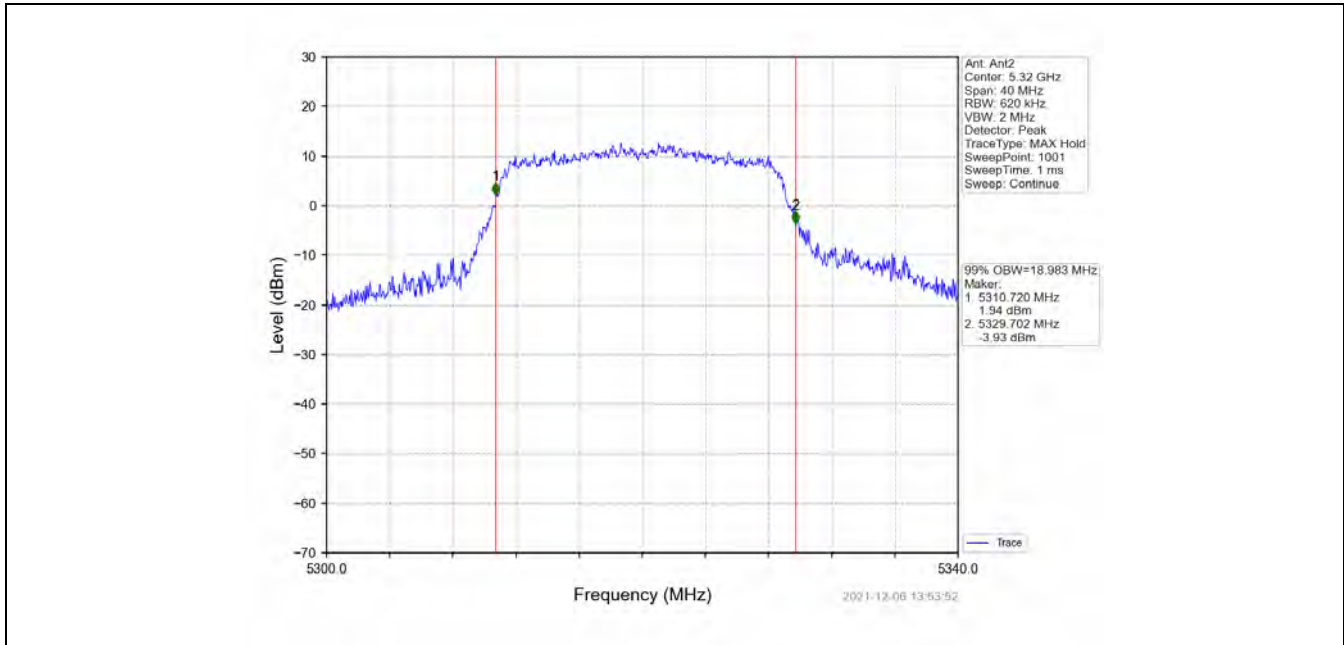


802.11n(HT20)_HCH_5320MHz_Ant2_NTNV

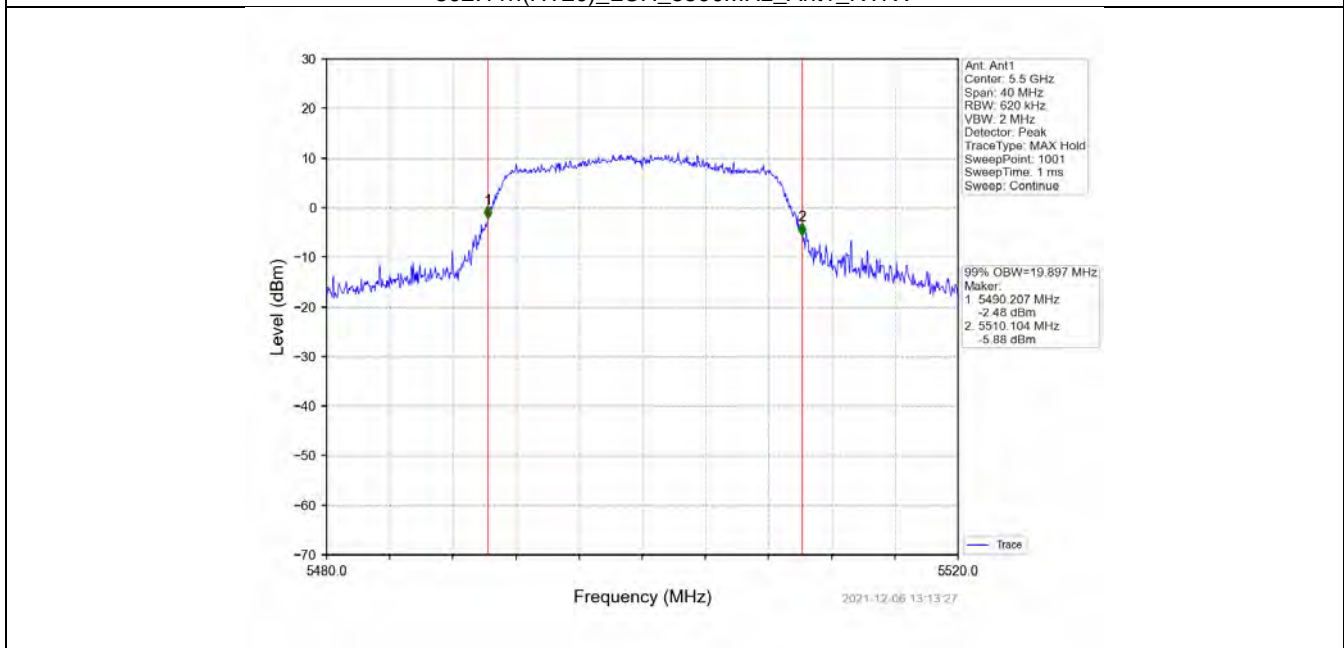


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802.11n(HT20)_LCH_5500MHz_Ant1_NTNV

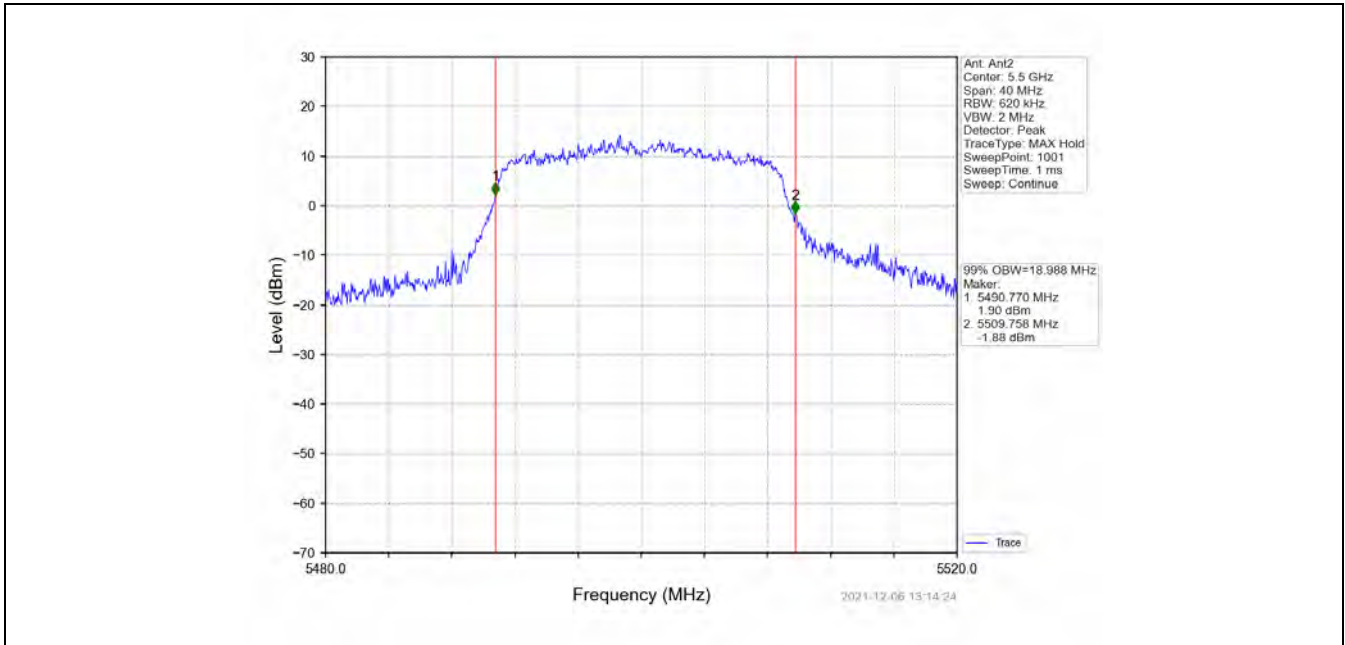


802.11n(HT20)_LCH_5500MHz_Ant2_NTNV

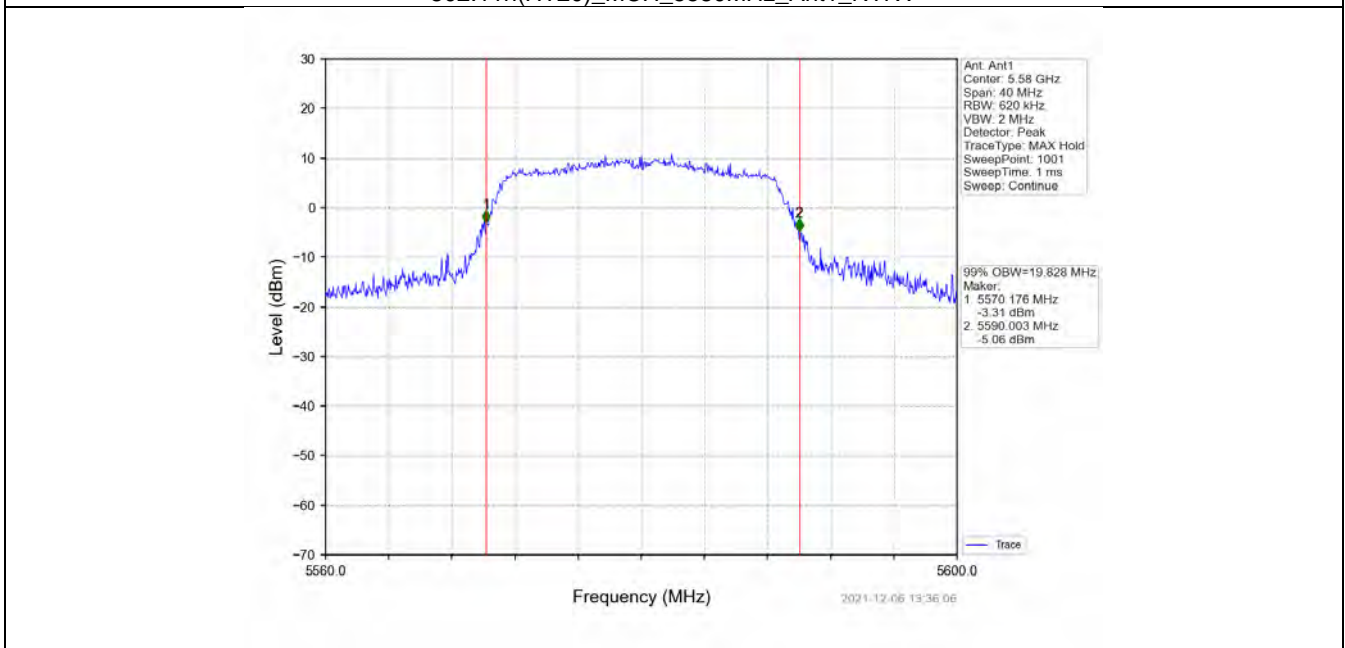


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802.11n(HT20)_MCH_5580MHz_Ant1_NTNV

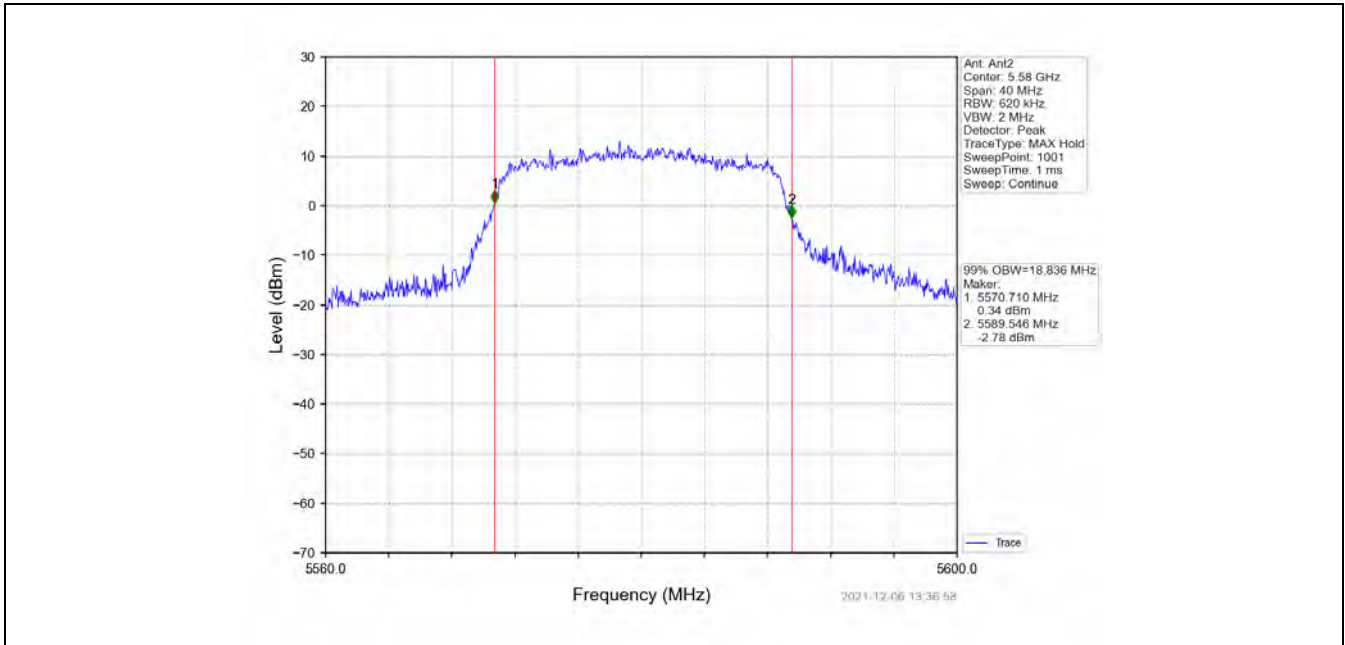


802.11n(HT20)_MCH_5580MHz_Ant2_NTNV

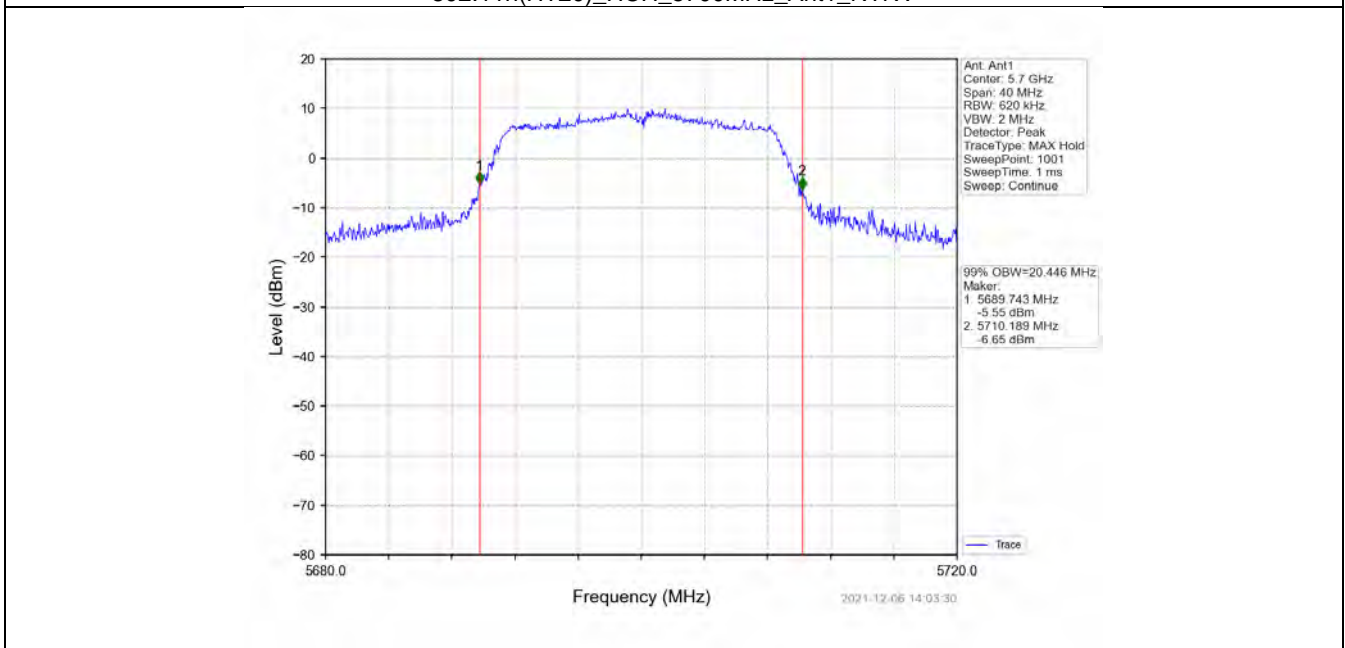


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802.11n(HT20)_HCH_5700MHz_Ant1_NTNV

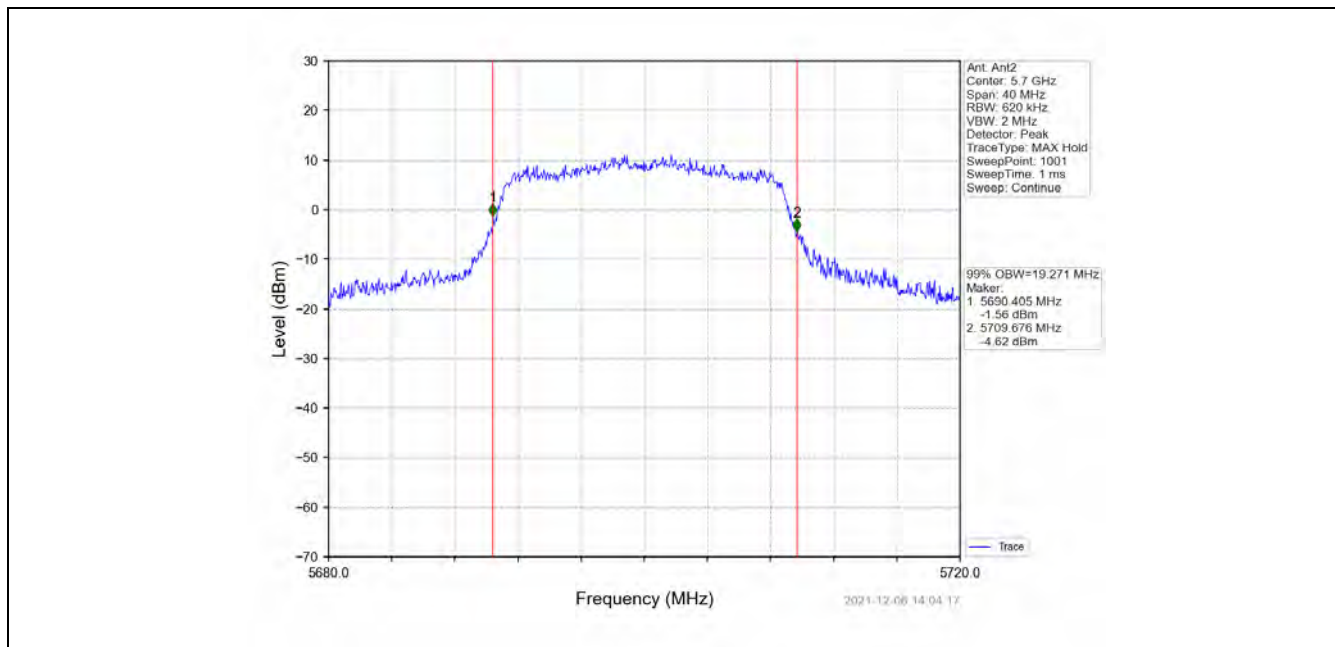


802.11n(HT20)_HCH_5700MHz_Ant2_NTNV

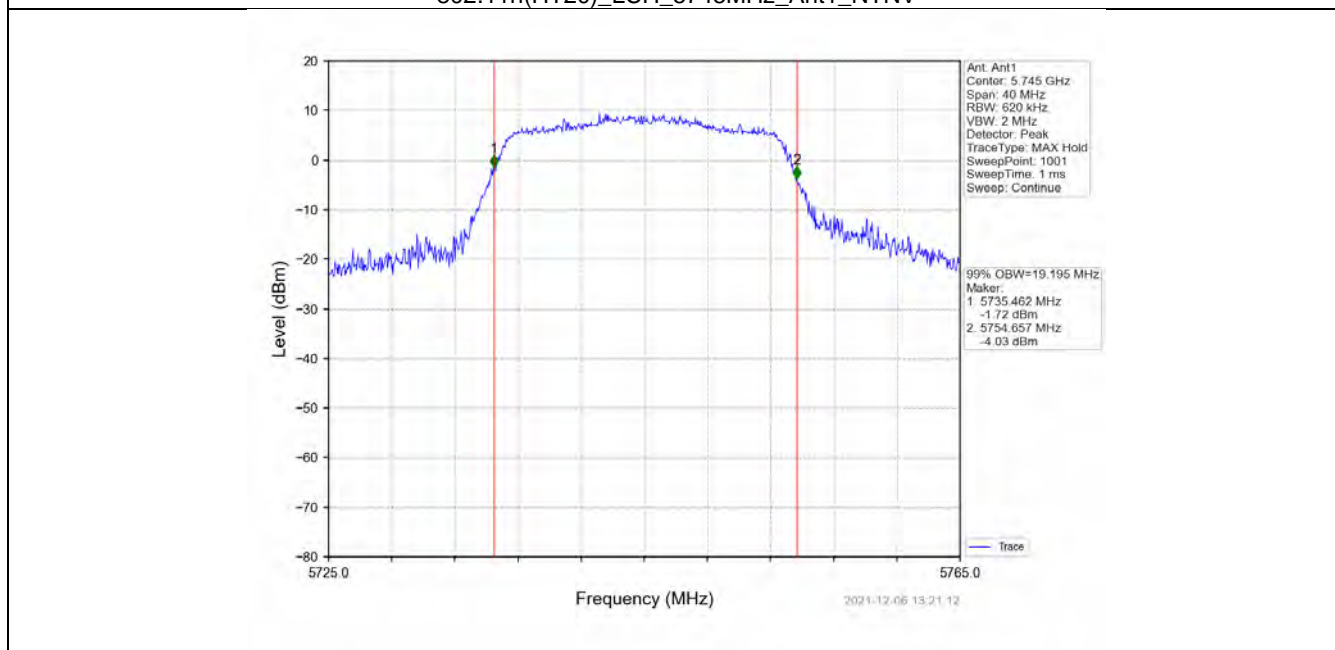


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802.11n(HT20)_LCH_5745MHz_Ant1_NTNV

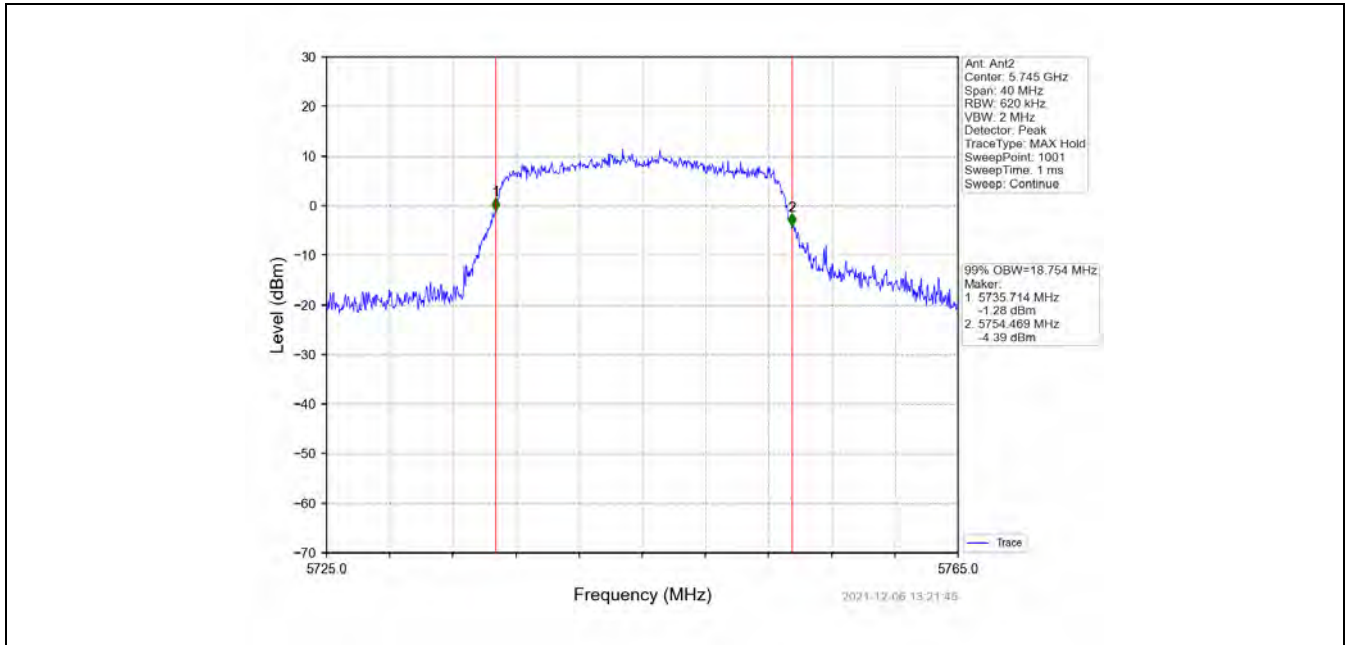


802.11n(HT20)_LCH_5745MHz_Ant2_NTNV

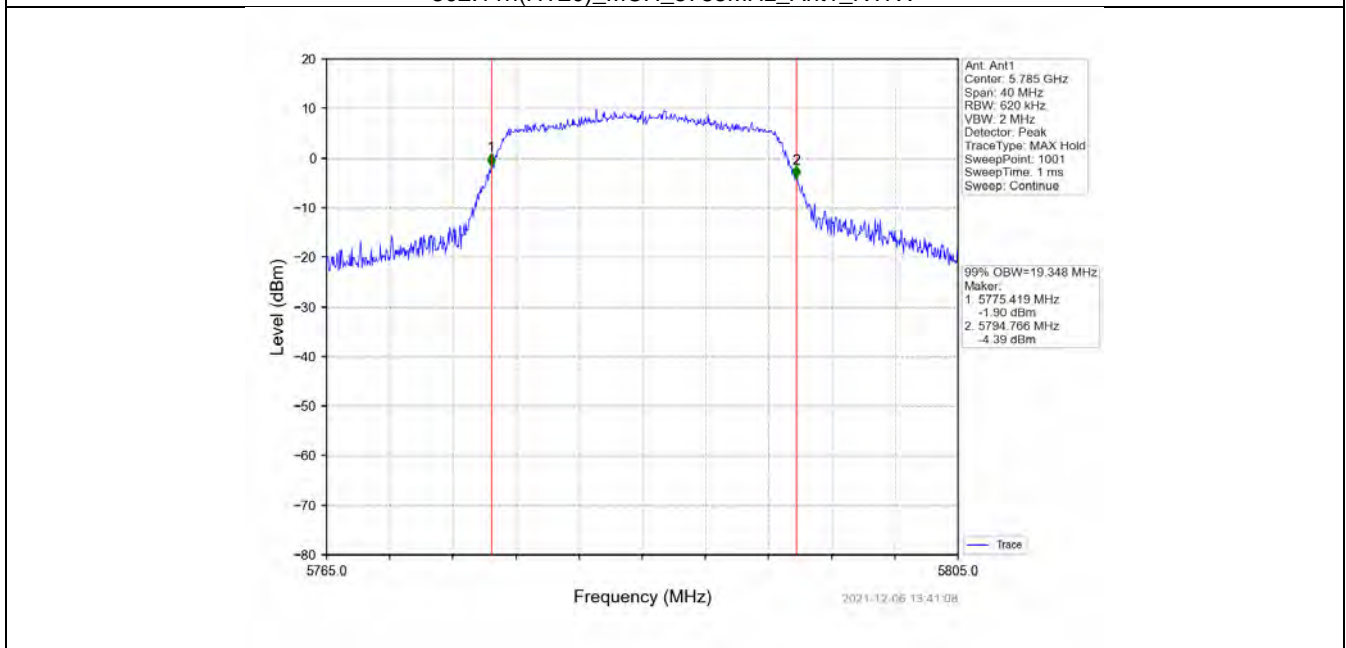


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802.11n(HT20)_MCH_5785MHz_Ant1_NTNV

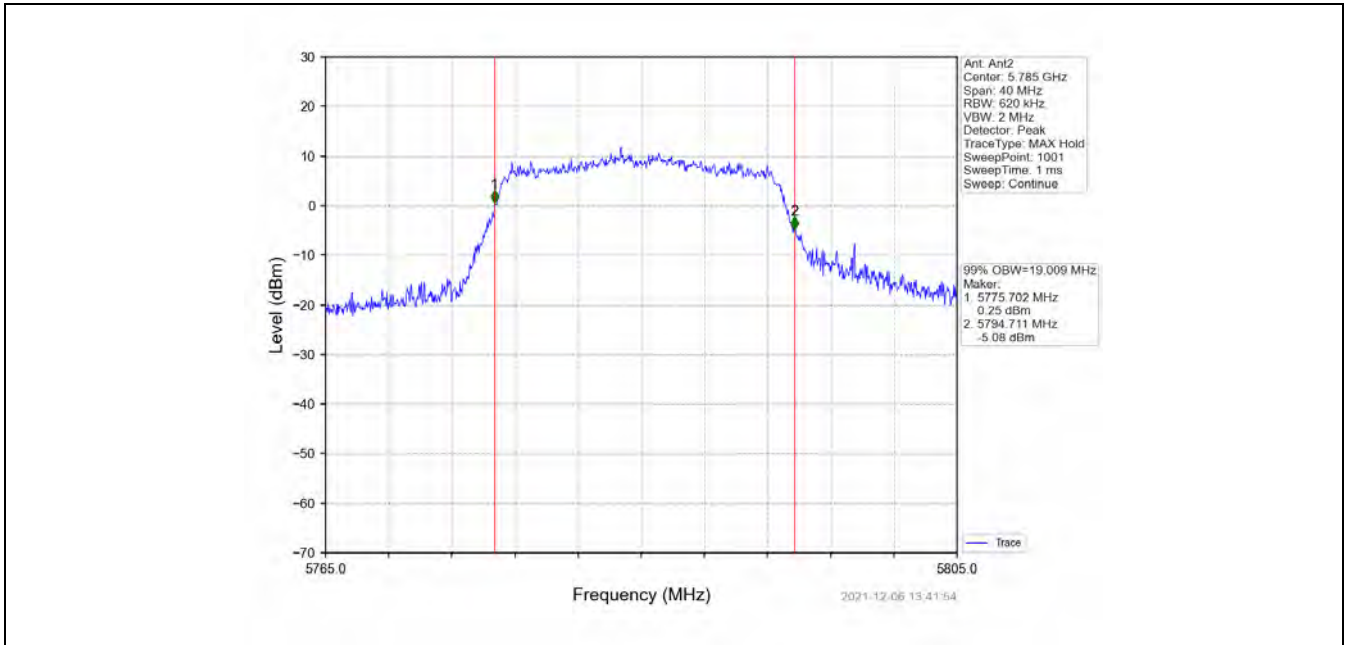


802.11n(HT20)_MCH_5785MHz_Ant2_NTNV

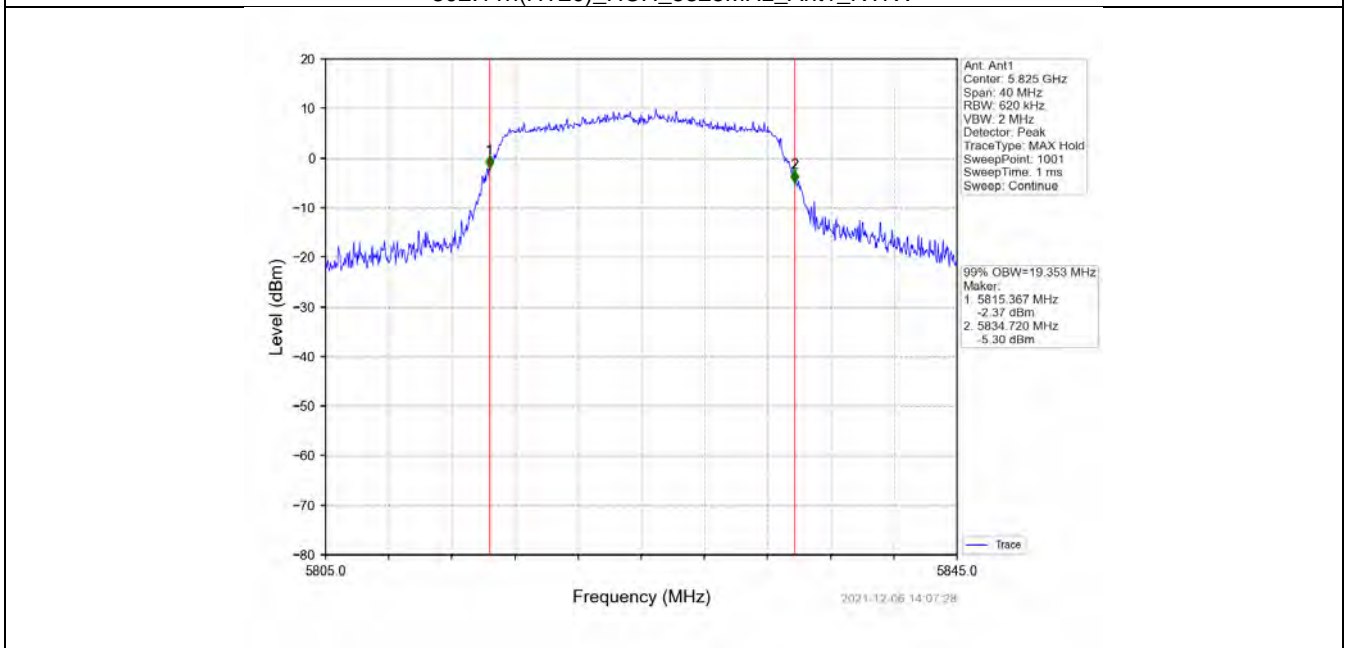


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802.11n(HT20)_HCH_5825MHz_Ant1_NTNV

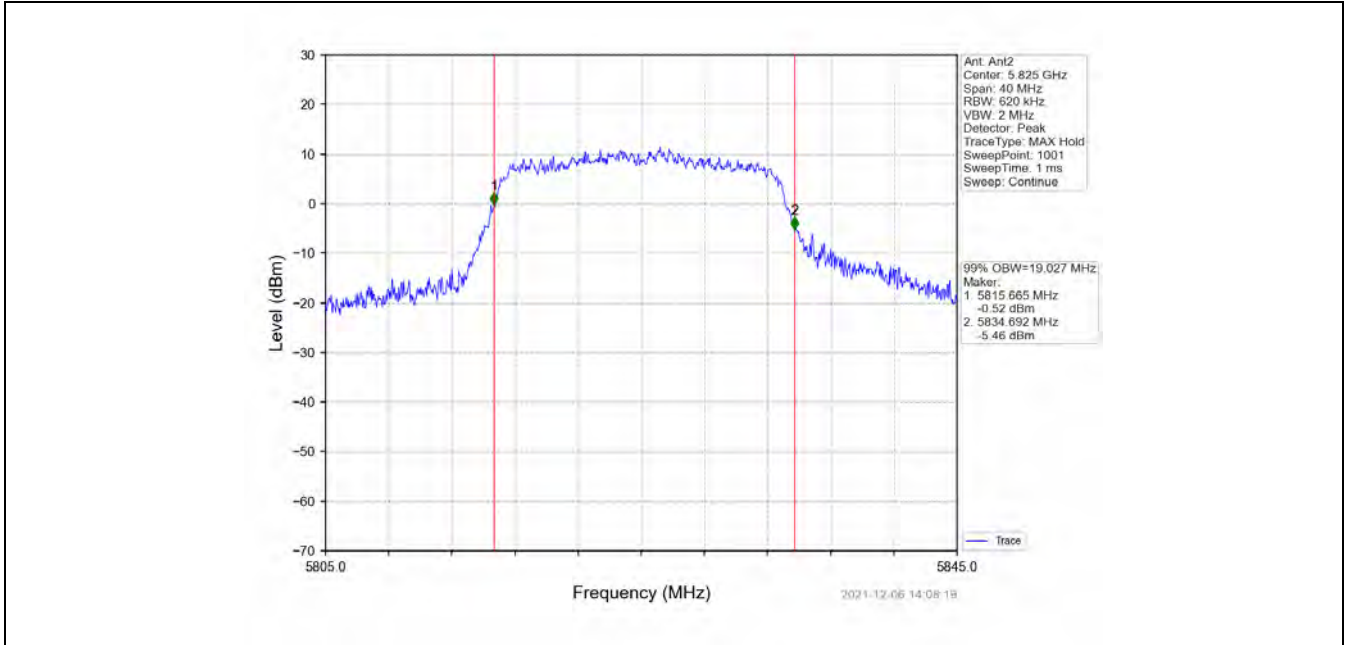


802.11n(HT20)_HCH_5825MHz_Ant2_NTNV

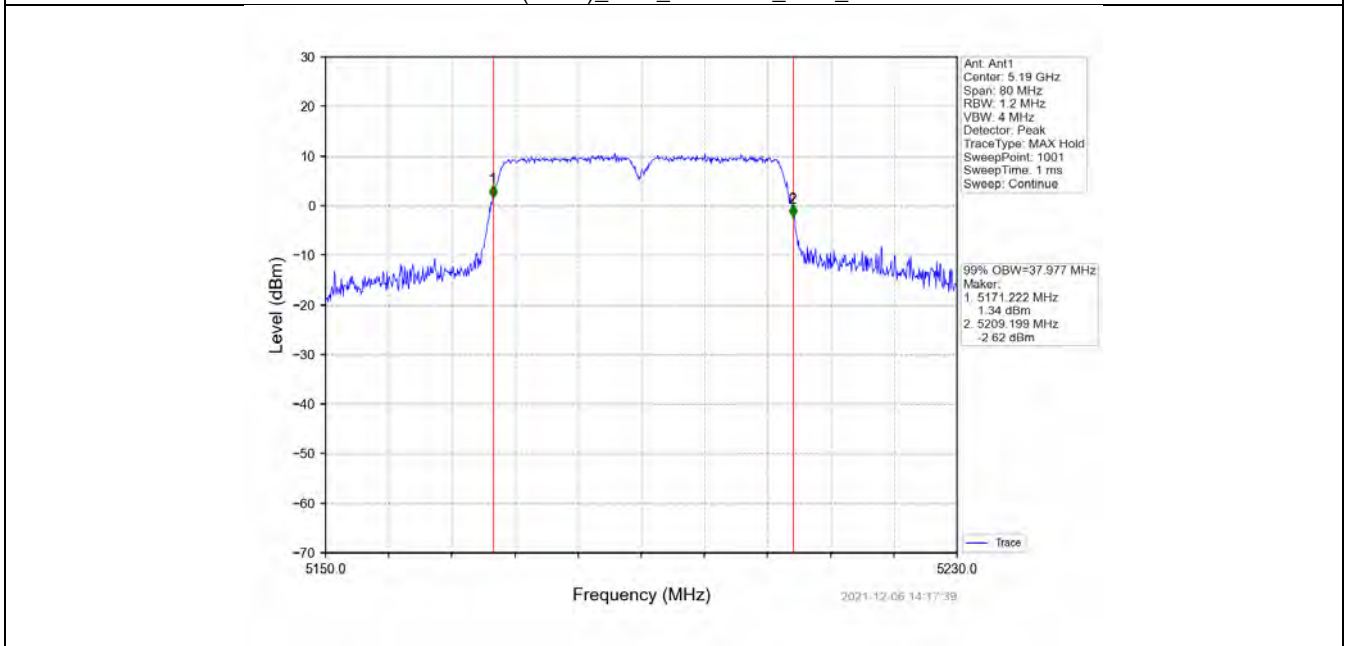


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802.11n(HT40)_LCH_5190MHz_Ant1_NTNV

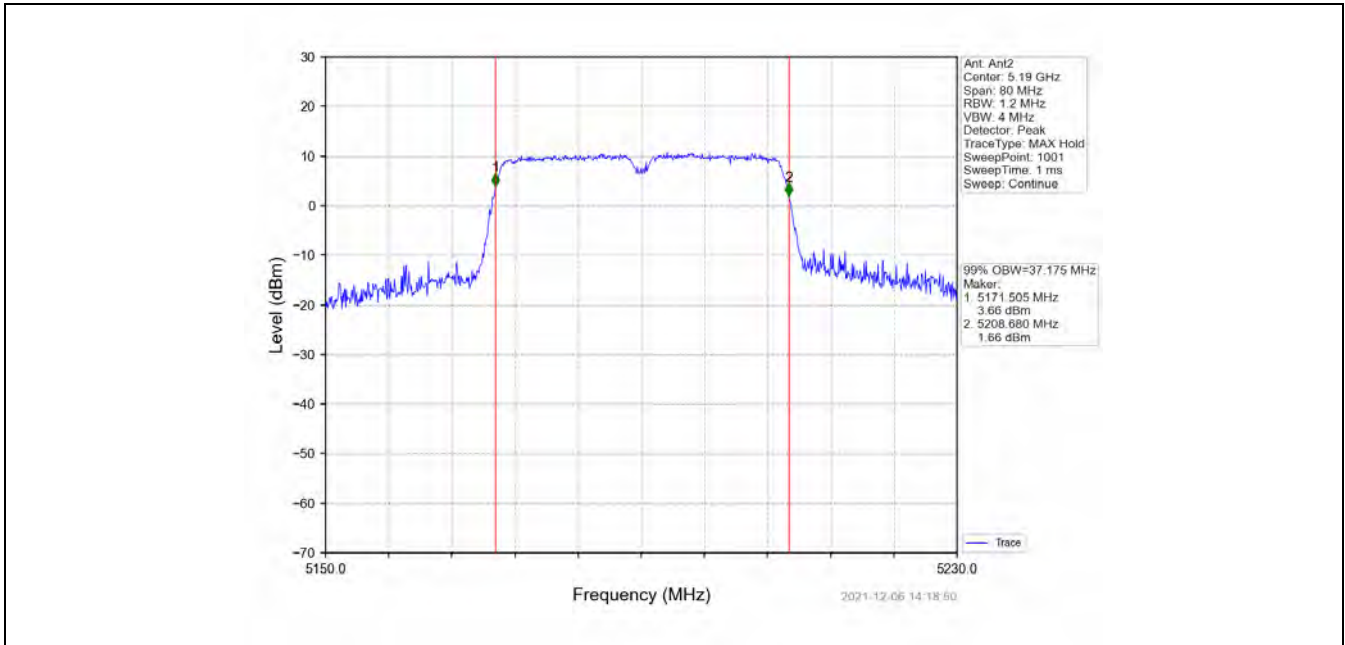


802.11n(HT40)_LCH_5190MHz_Ant2_NTNV

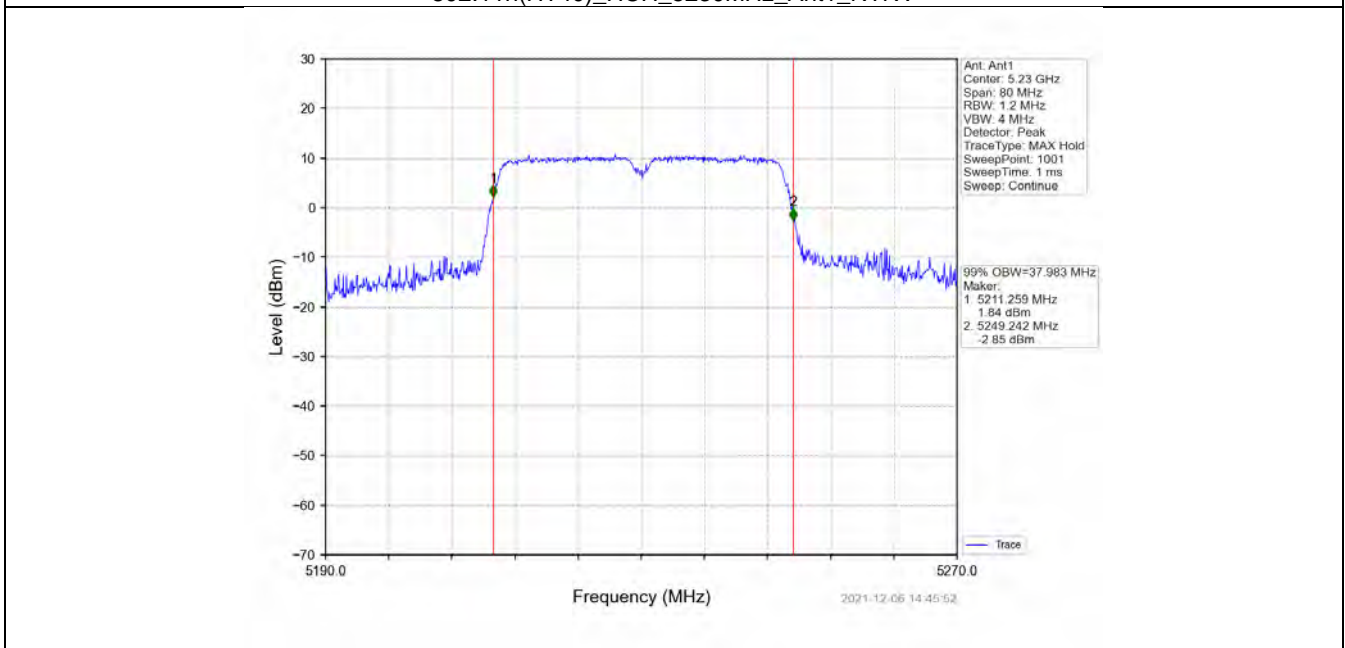


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802.11n(HT40)_HCH_5230MHz_Ant1_NTNV

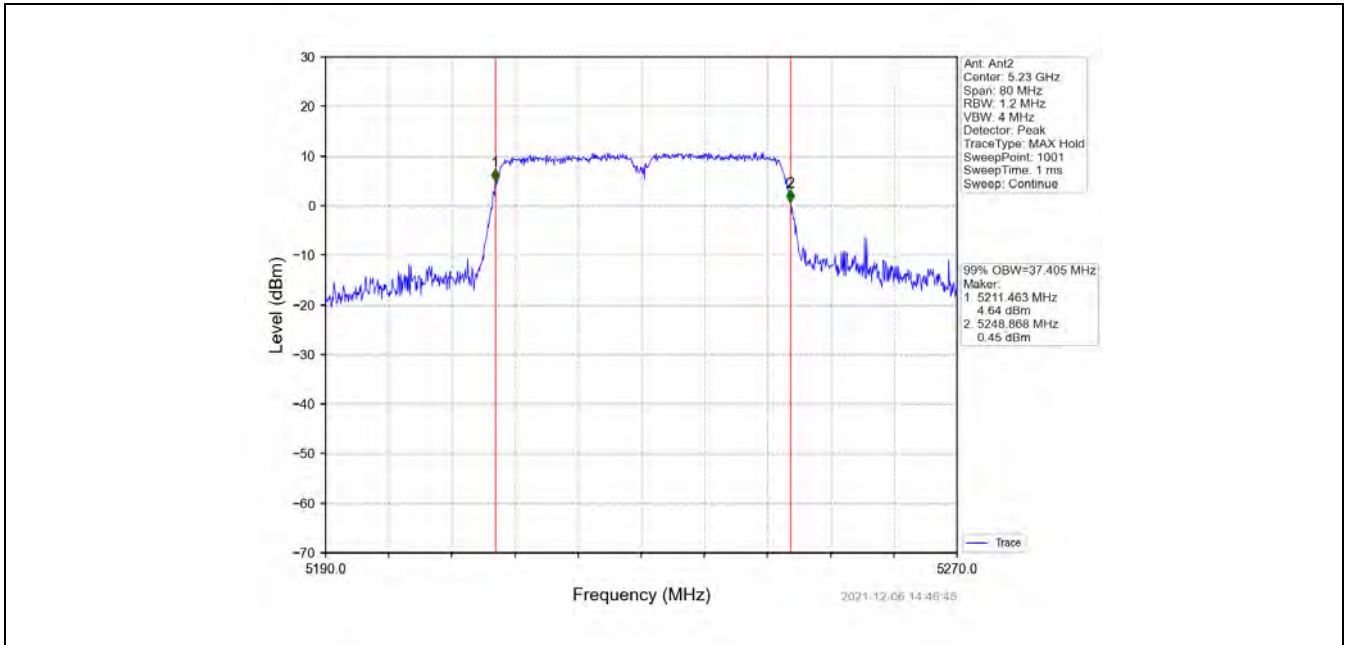


802.11n(HT40)_HCH_5230MHz_Ant2_NTNV

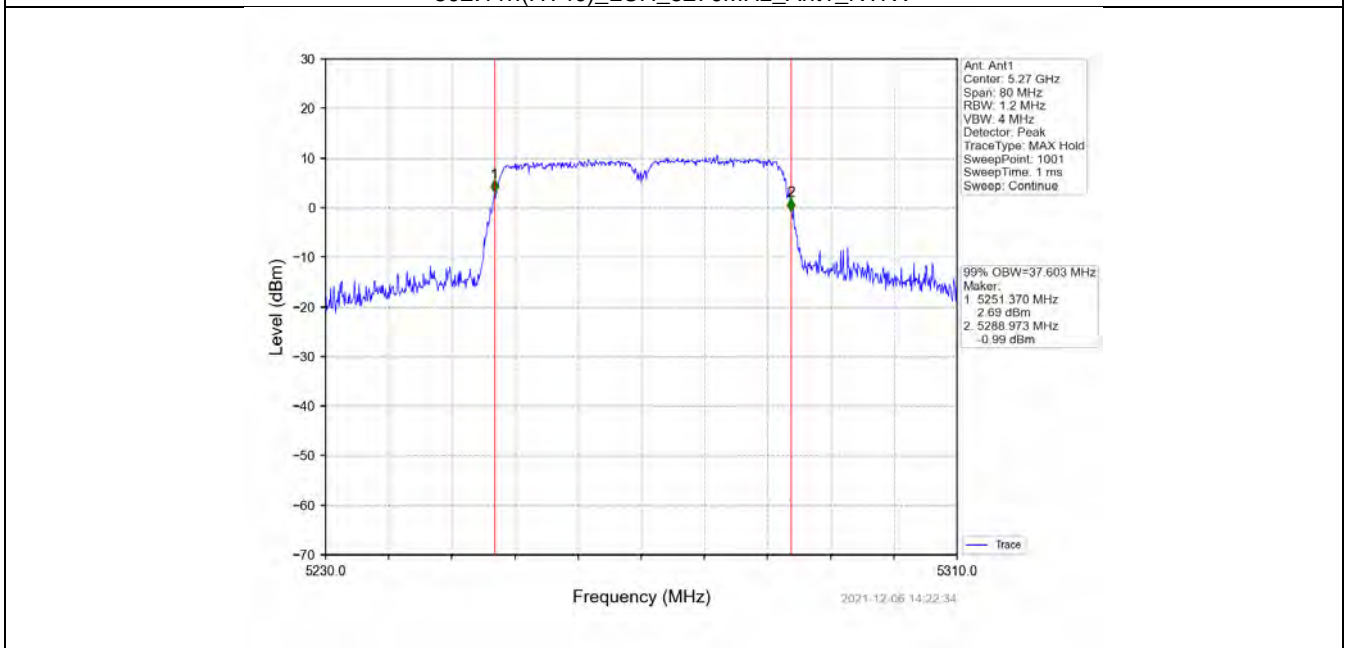


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802.11n(HT40)_LCH_5270MHz_Ant1_NTNV

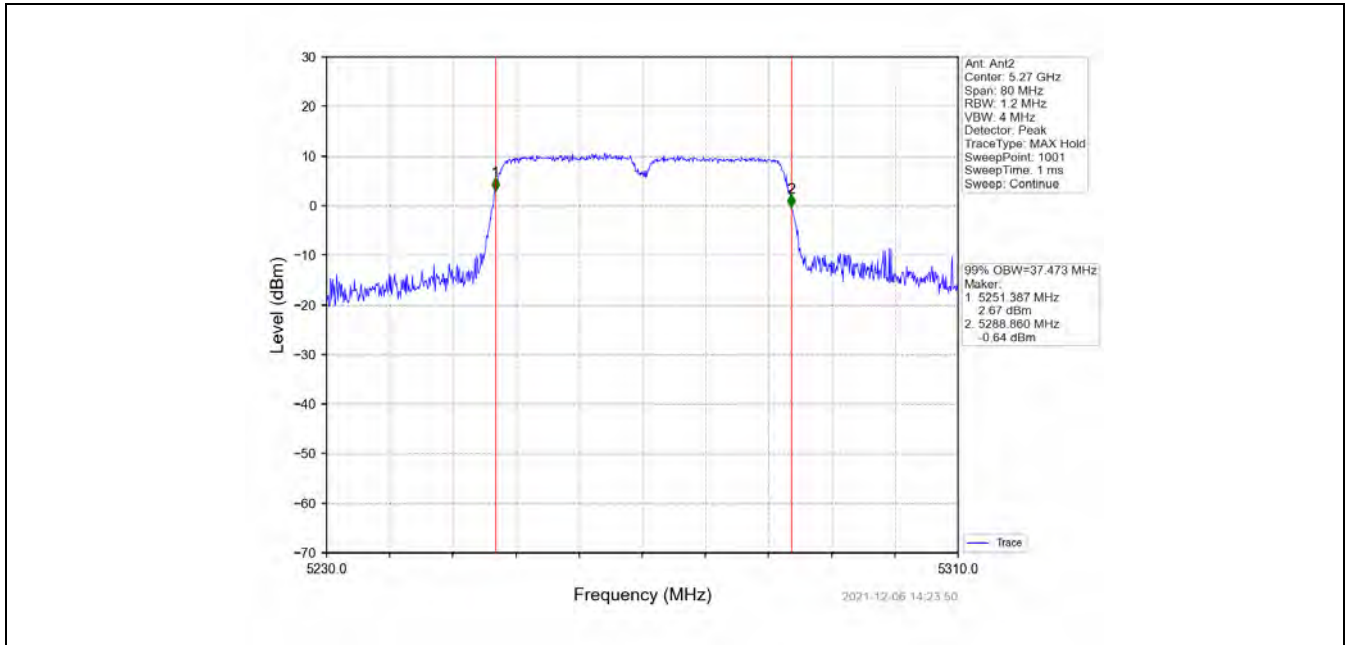


802.11n(HT40)_LCH_5270MHz_Ant2_NTNV

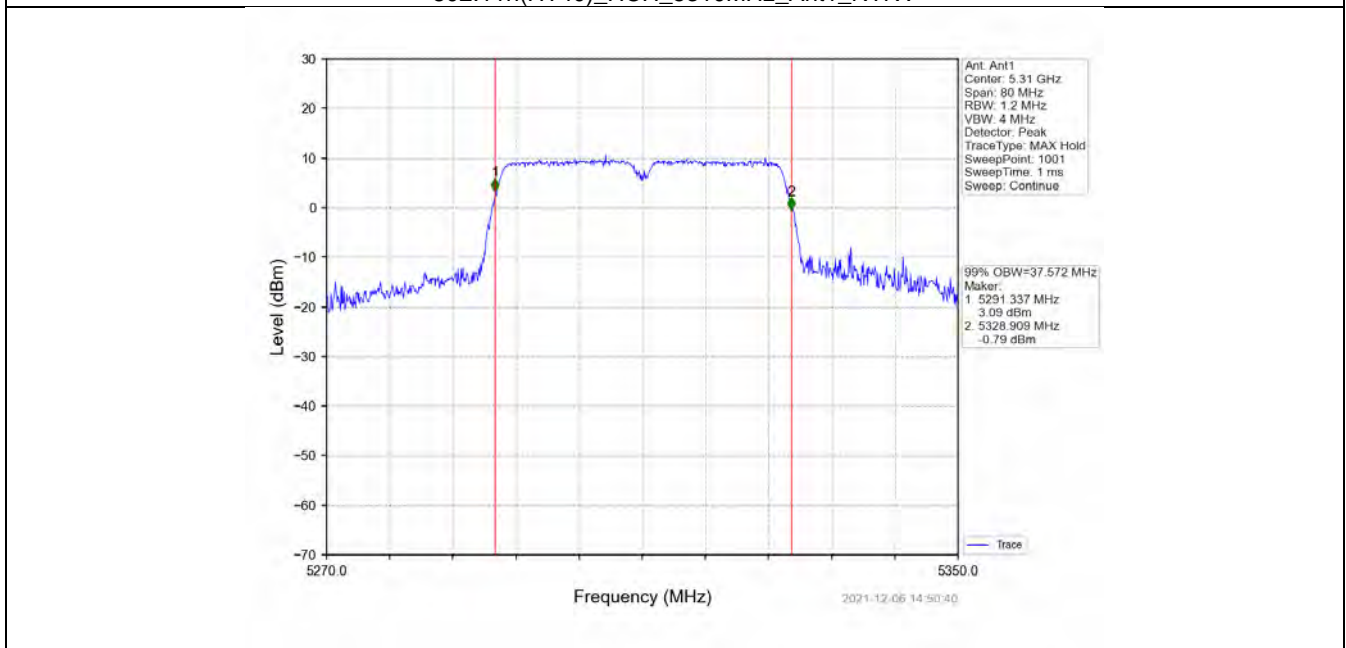


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802.11n(HT40)_HCH_5310MHz_Ant1_NTNV

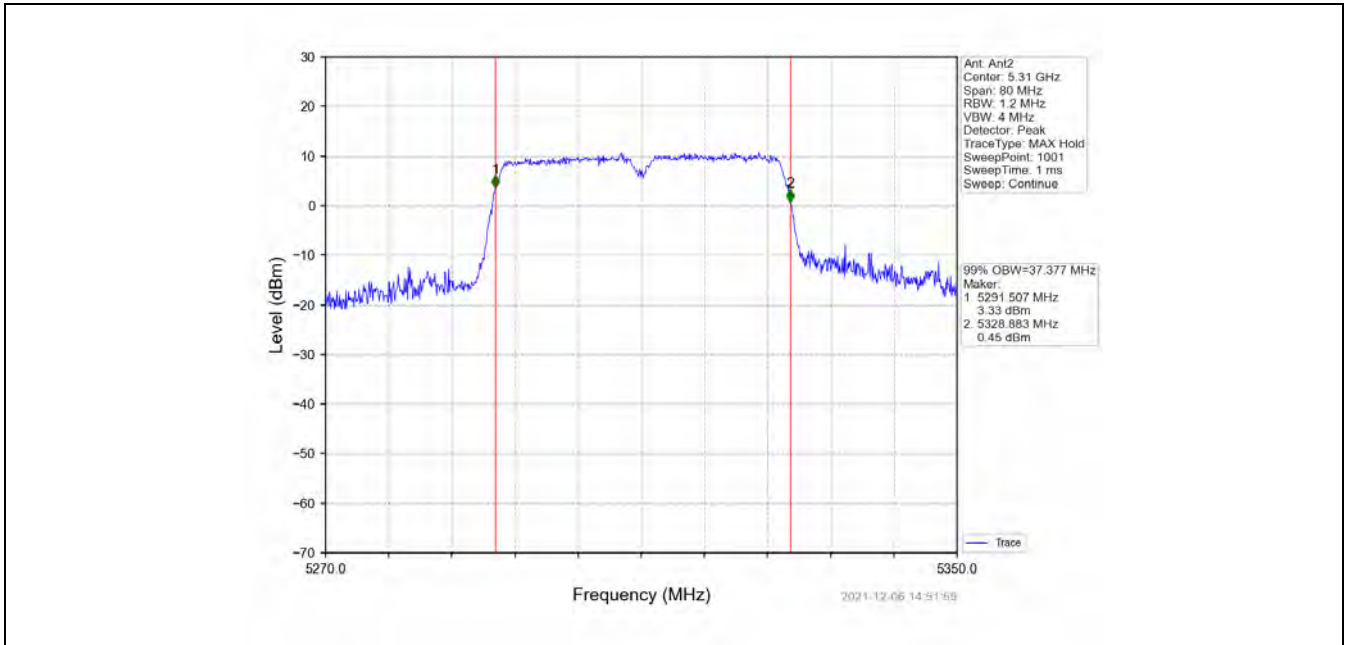


802.11n(HT40)_HCH_5310MHz_Ant2_NTNV

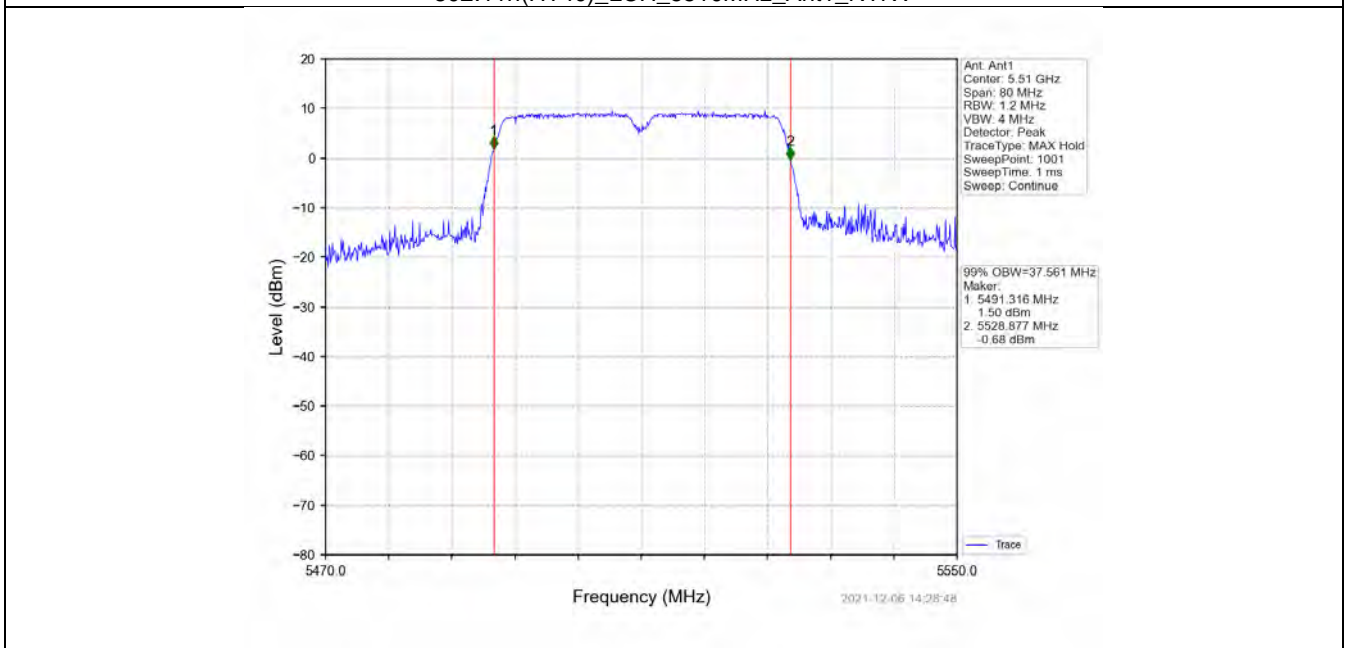


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802.11n(HT40)_LCH_5510MHz_Ant1_NTNV

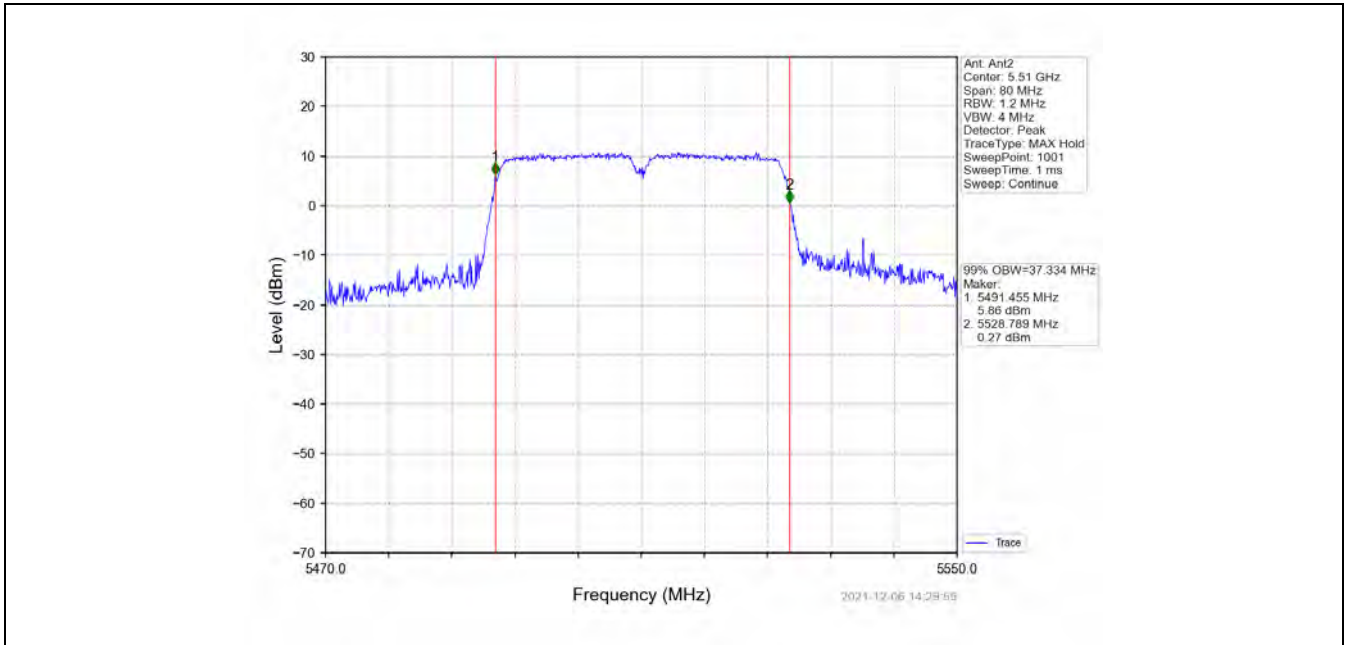


802.11n(HT40)_LCH_5510MHz_Ant2_NTNV

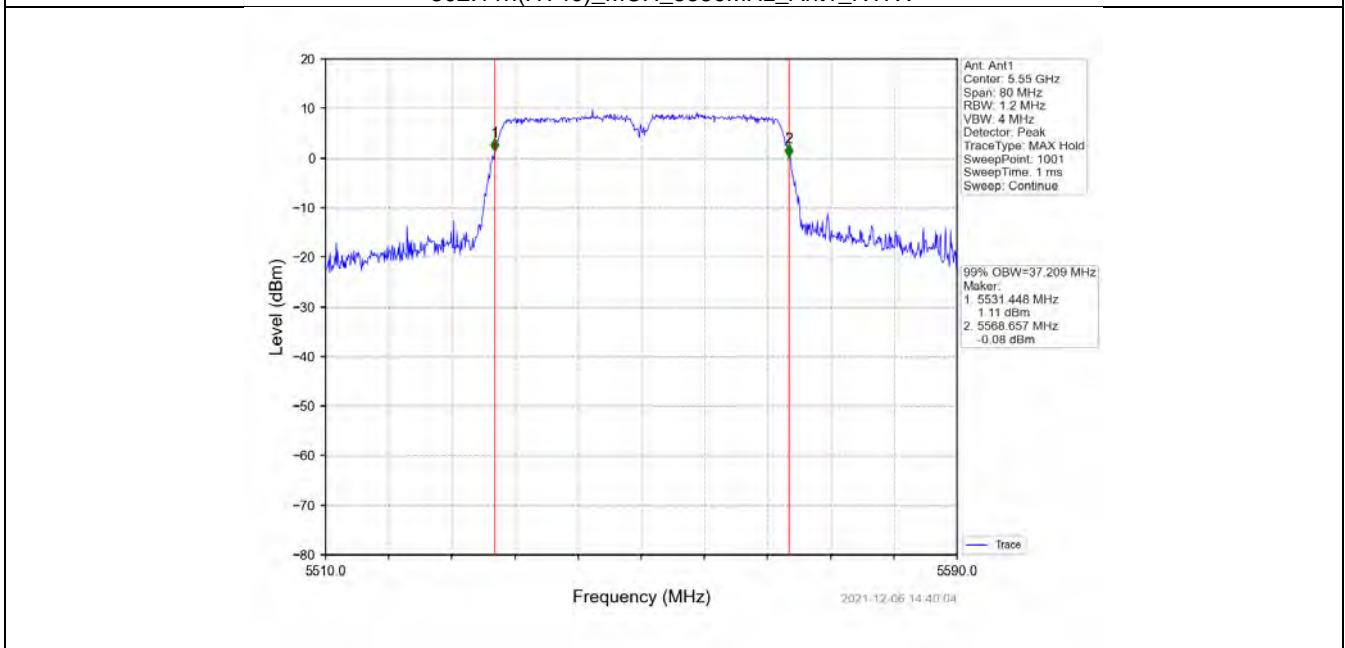


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802.11n(HT40)_MCH_5550MHz_Ant1_NTNV

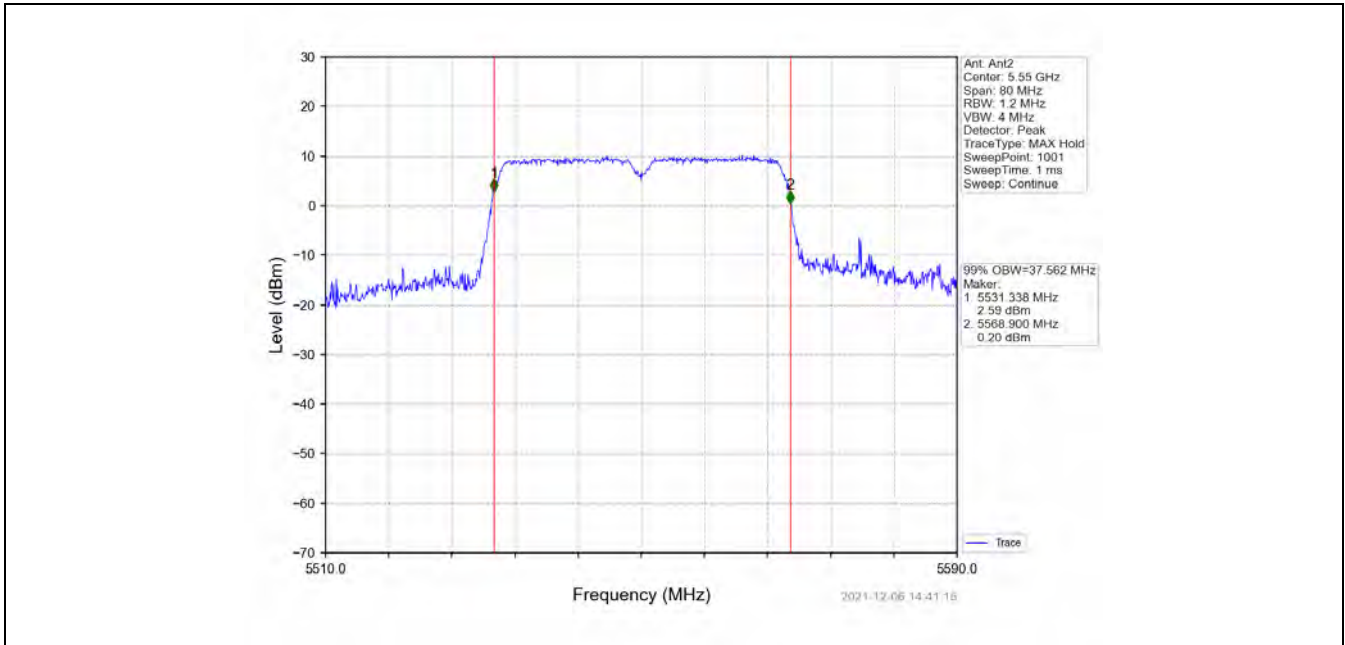


802.11n(HT40)_MCH_5550MHz_Ant2_NTNV

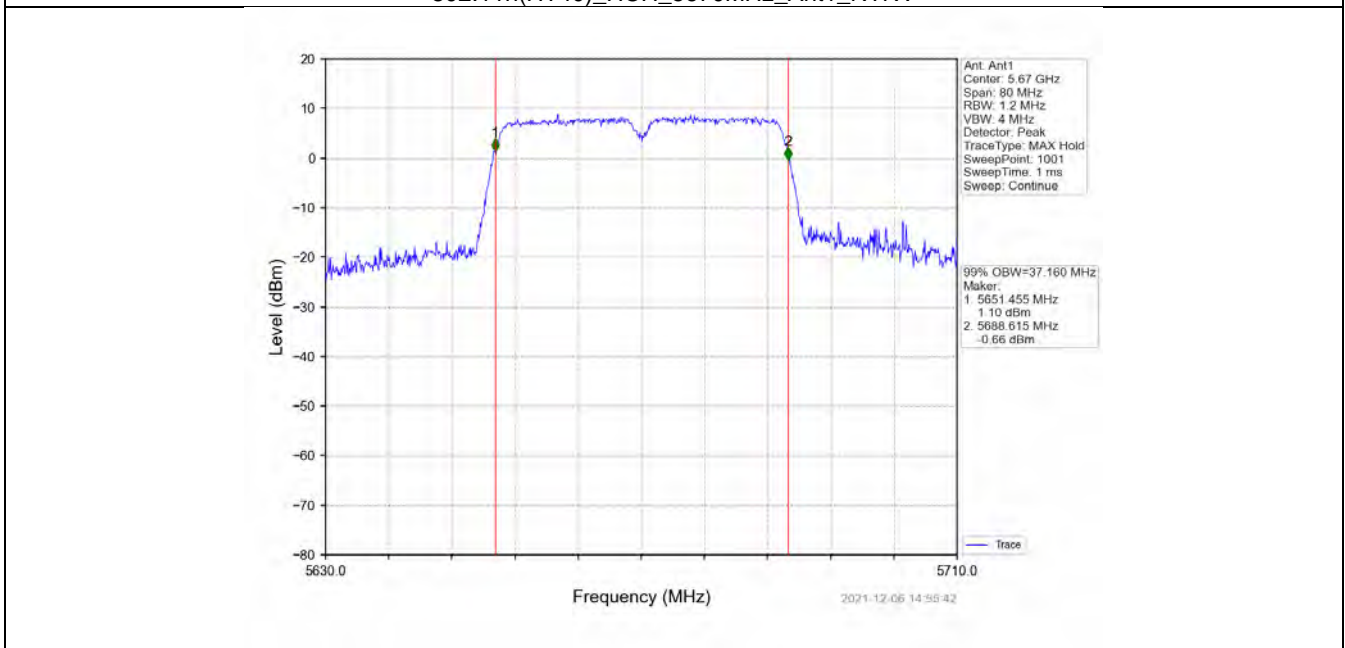


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802.11n(HT40)_HCH_5670MHz_Ant1_NTNV

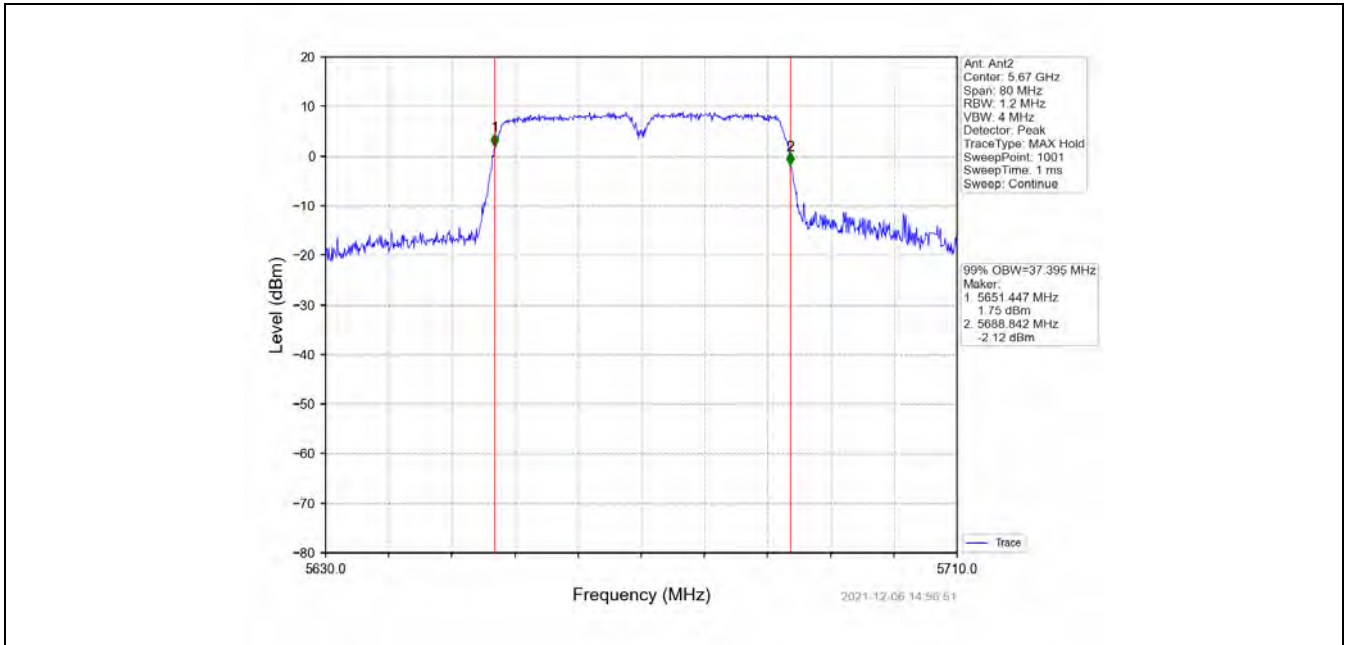


802.11n(HT40)_HCH_5670MHz_Ant2_NTNV

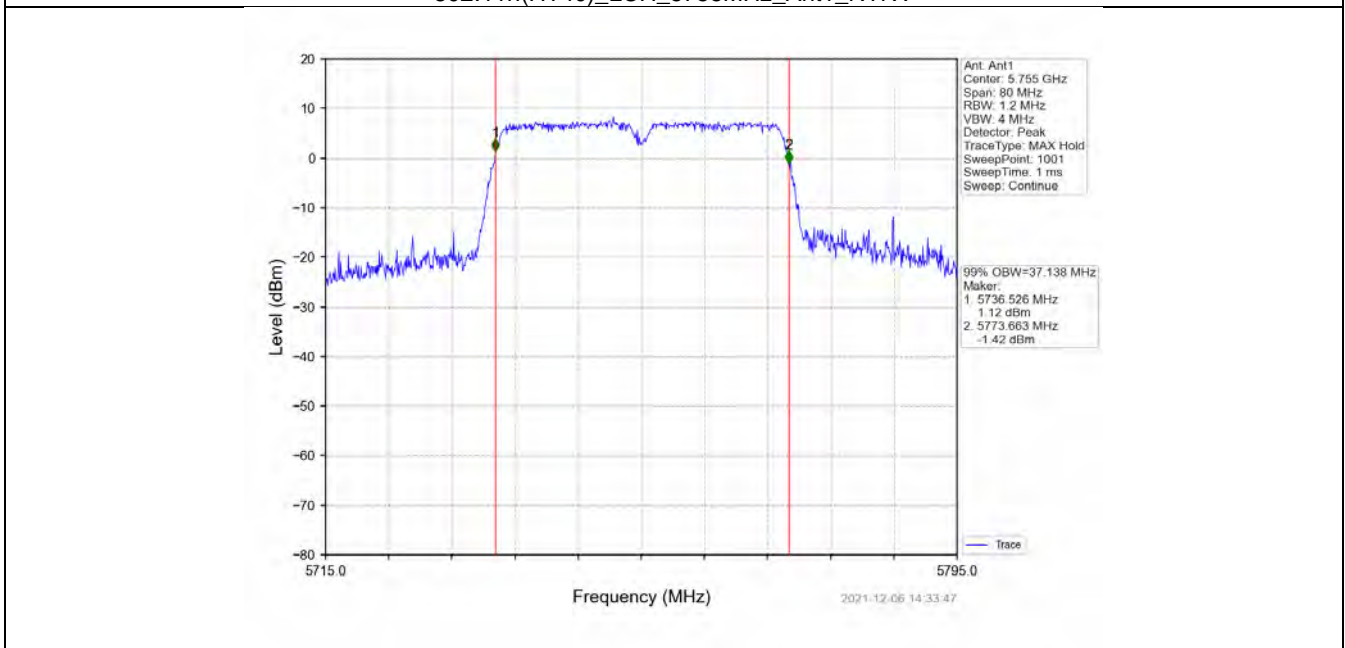


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802.11n(HT40)_LCH_5755MHz_Ant1_NTNV

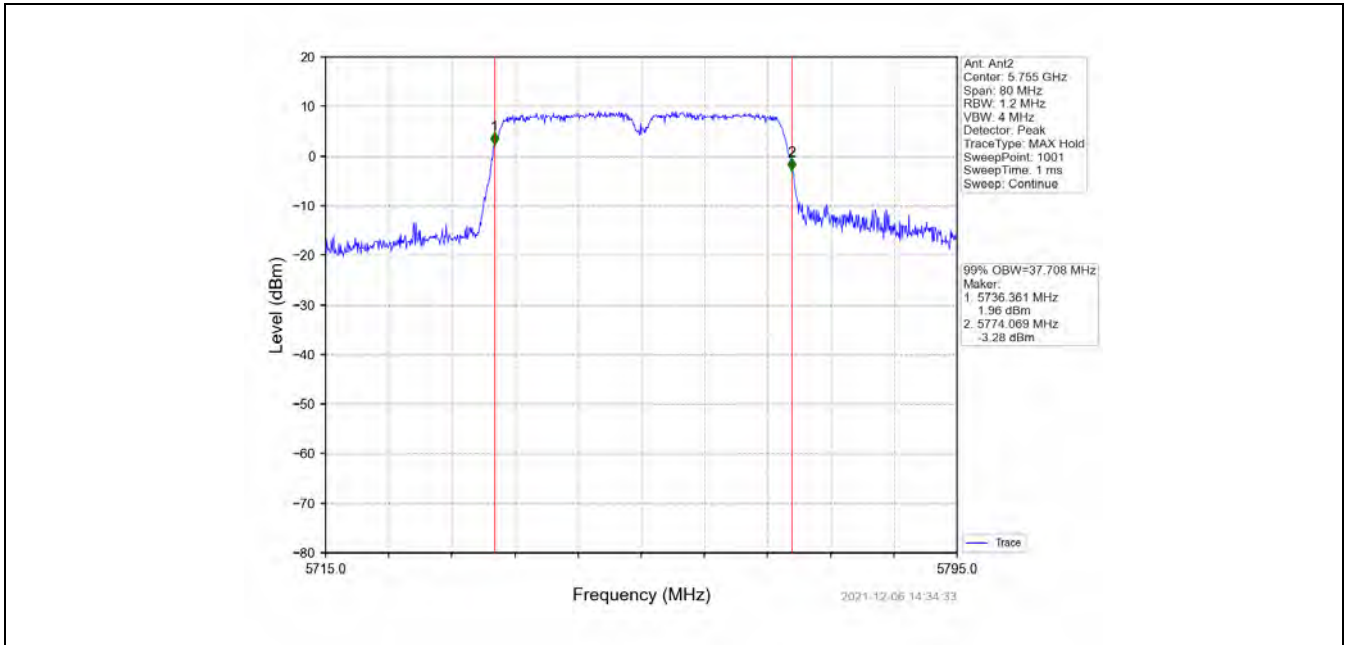


802.11n(HT40)_LCH_5755MHz_Ant2_NTNV

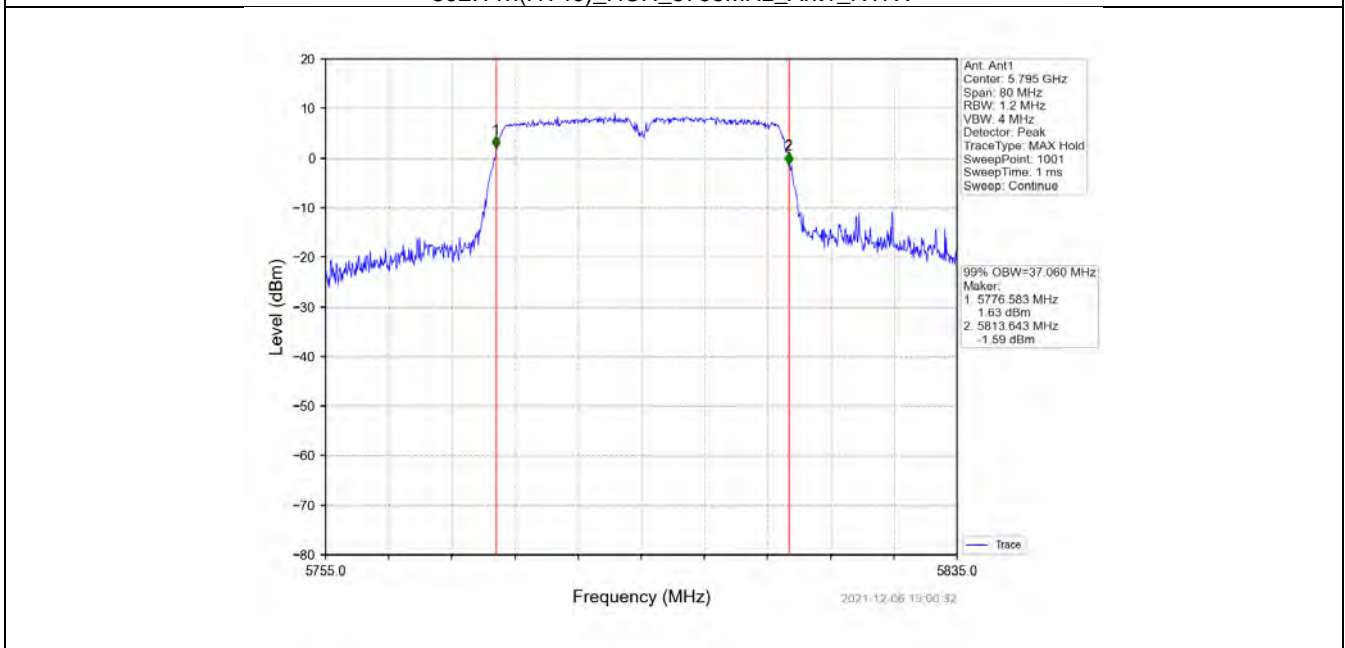


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802.11n(HT40)_HCH_5795MHz_Ant1_NTNV

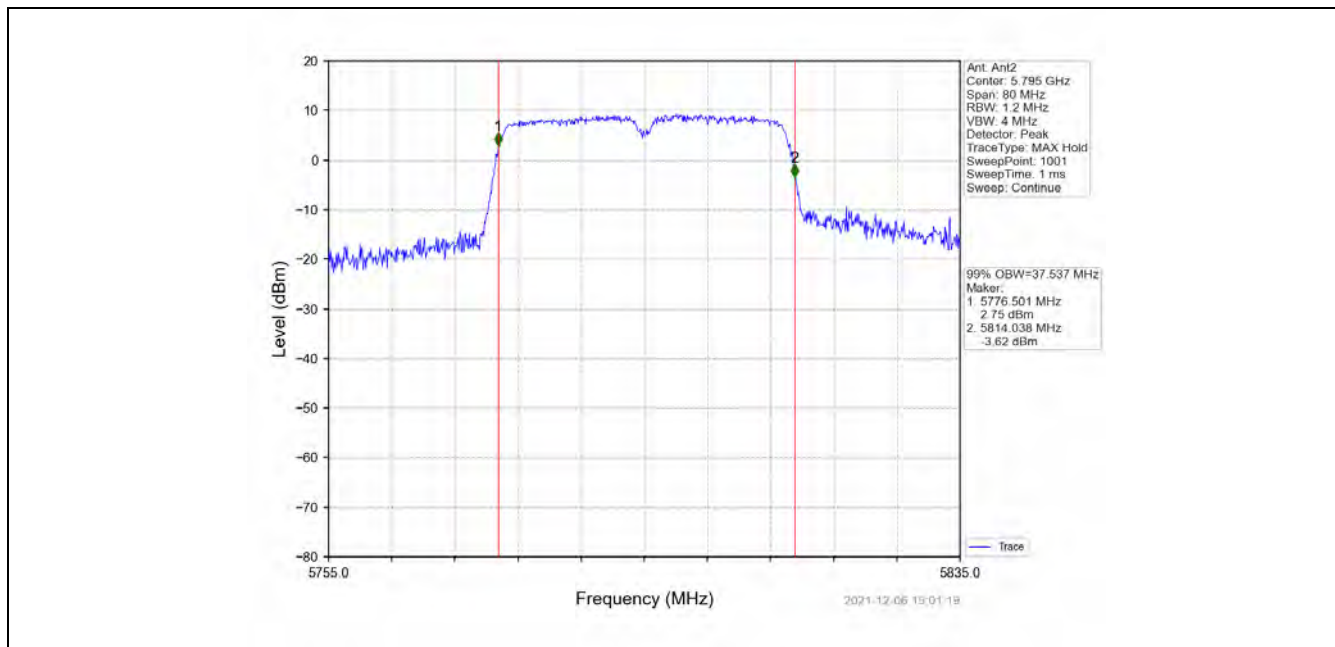


802.11n(HT40)_HCH_5795MHz_Ant2_NTNV

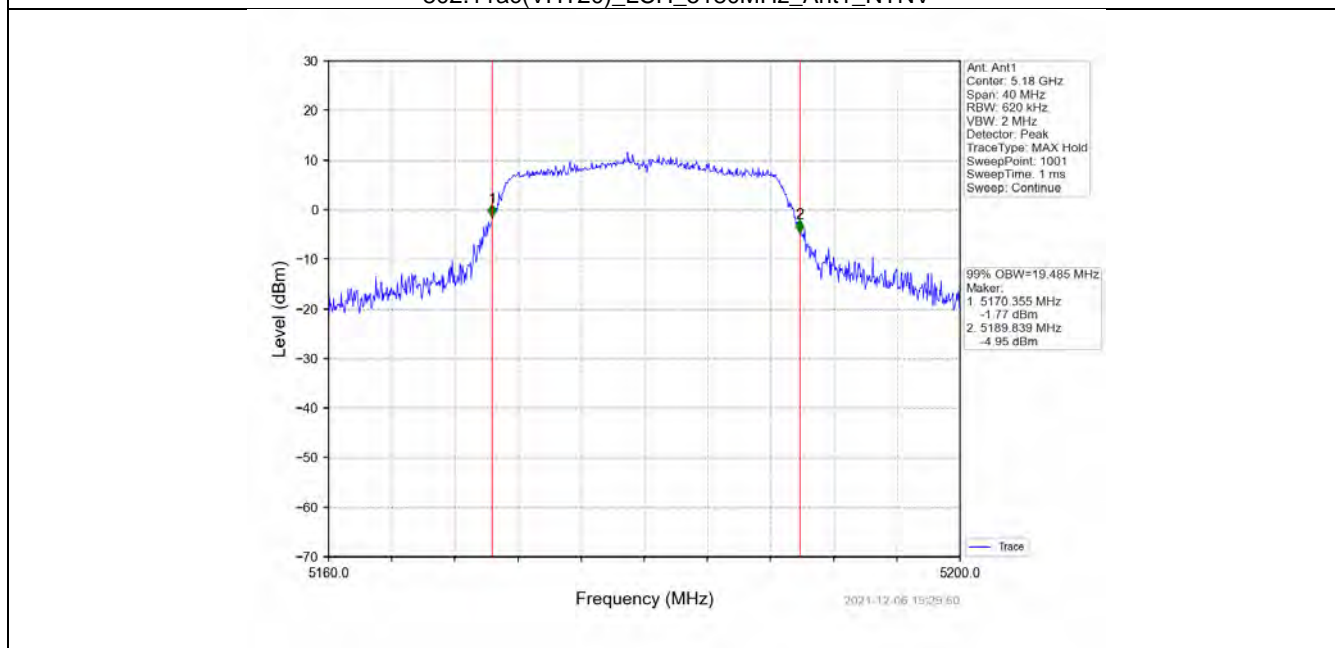


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802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV

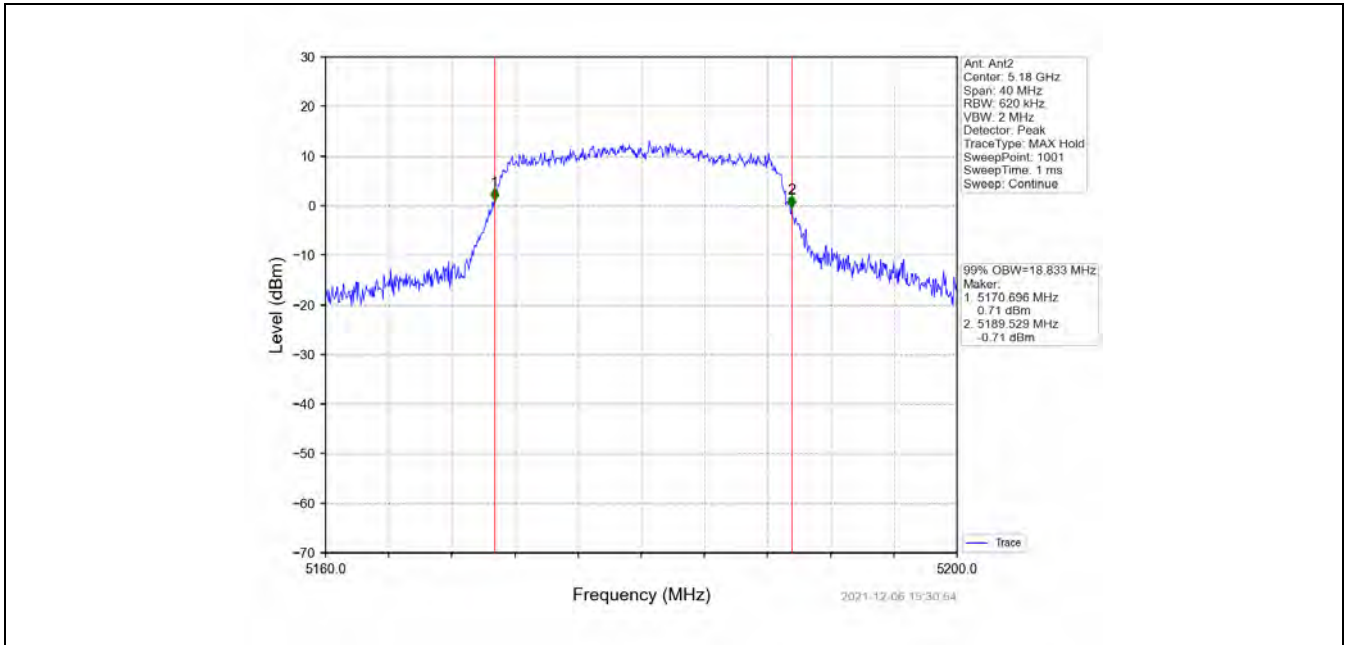


802.11ac(VHT20)_LCH_5180MHz_Ant2_NTNV

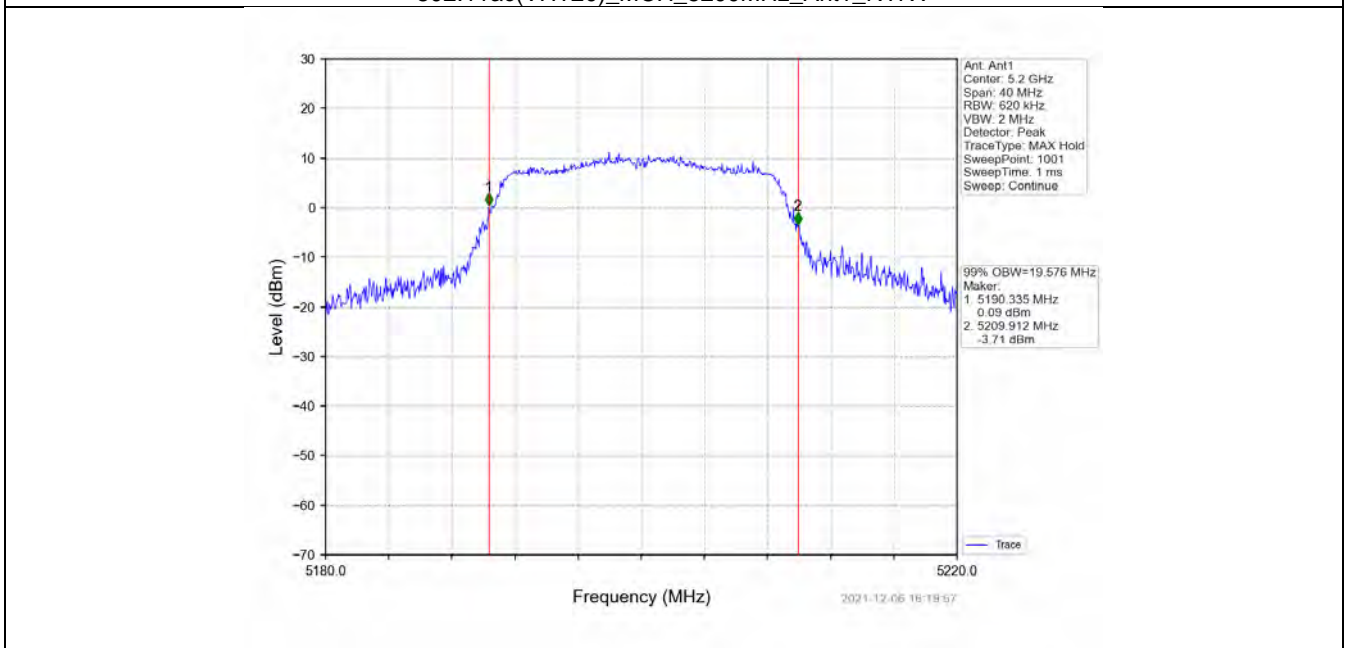


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802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV

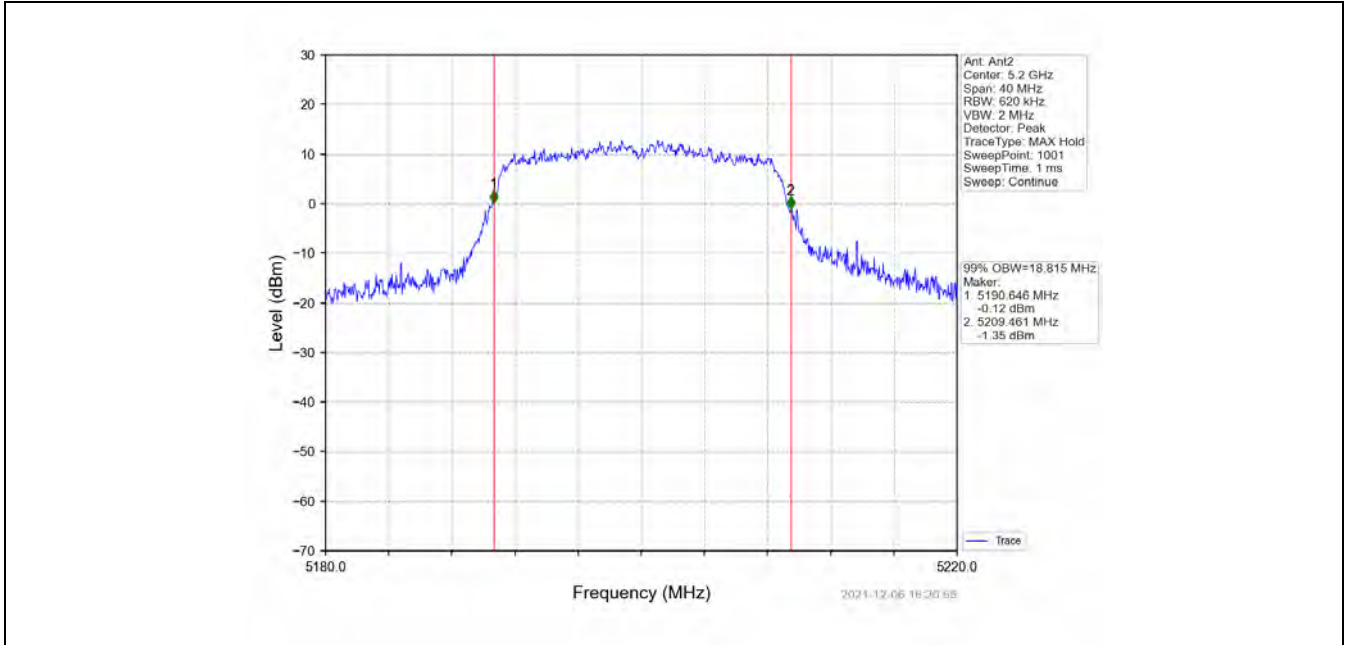


802.11ac(VHT20)_MCH_5200MHz_Ant2_NTNV

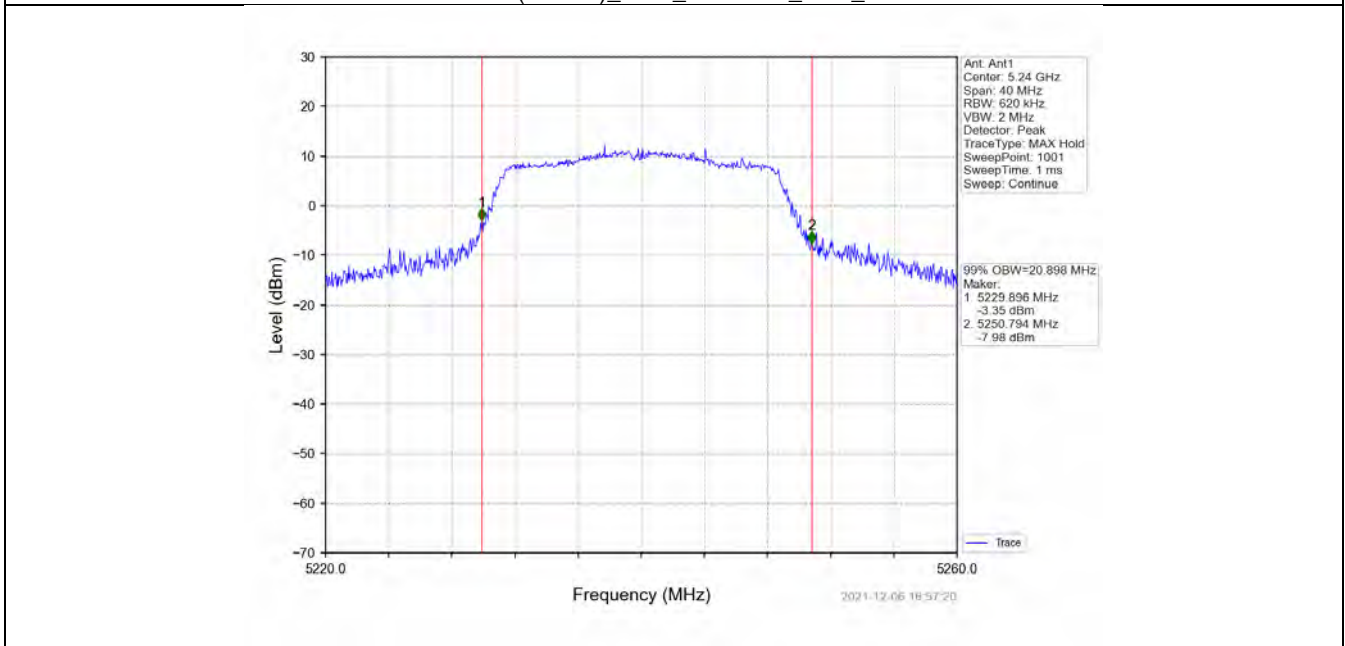


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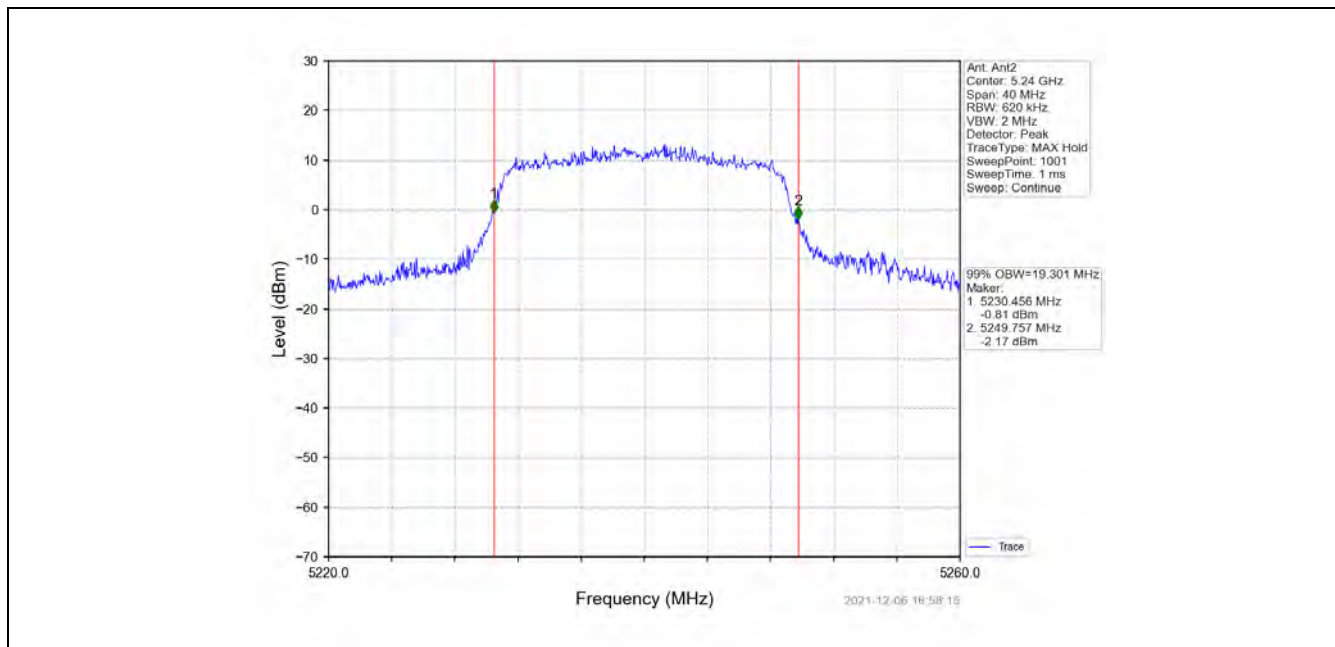
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



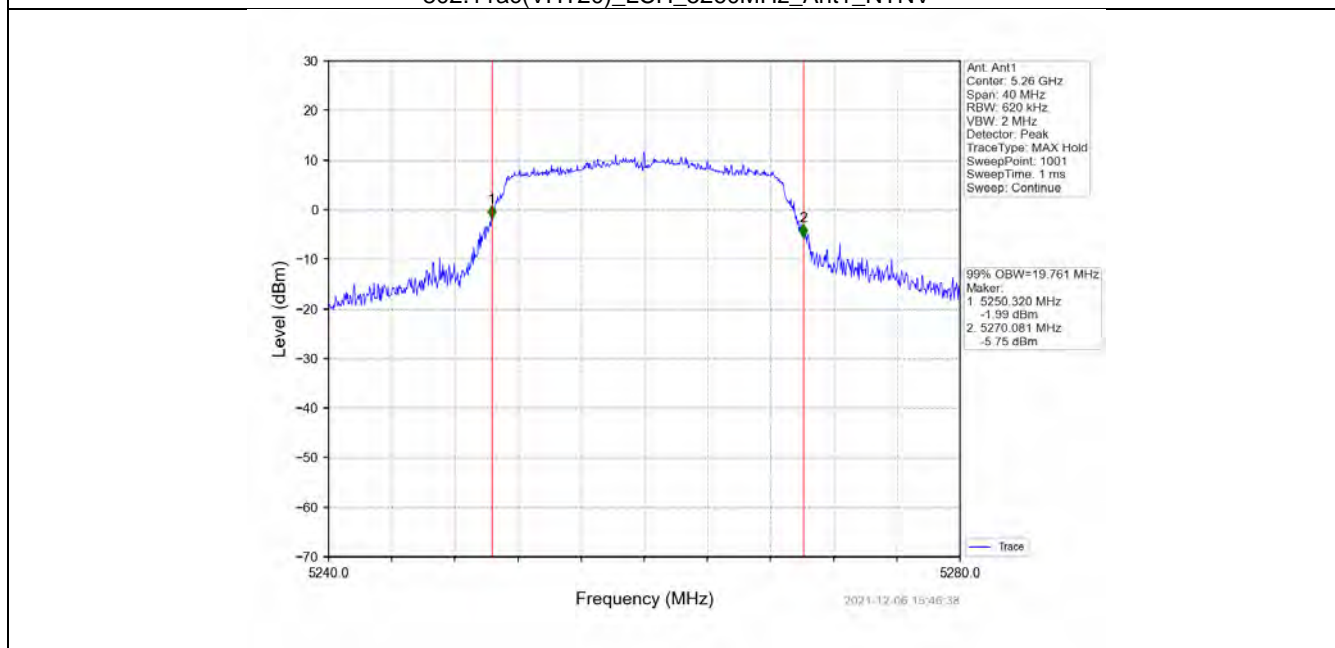
802.11ac(VHT20)_HCH_5240MHz_Ant2_NTNV



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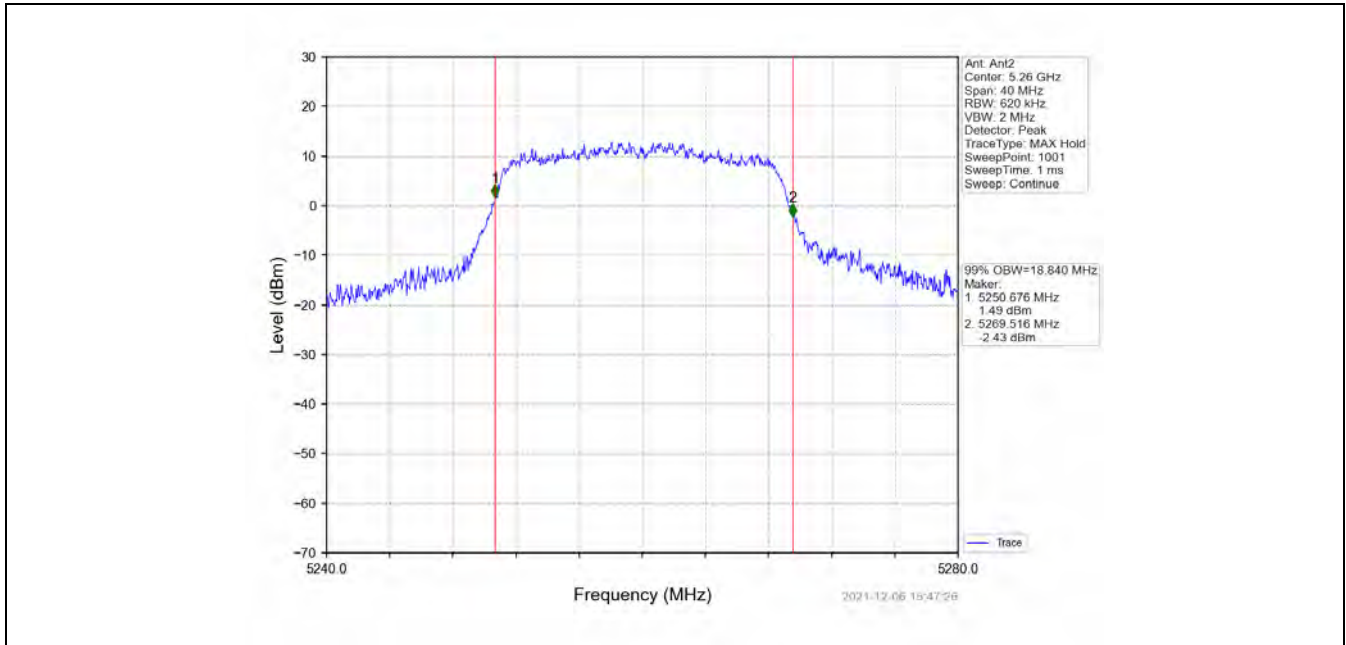
802.11ac(VHT20)_LCH_5260MHz_Ant1_NTNV



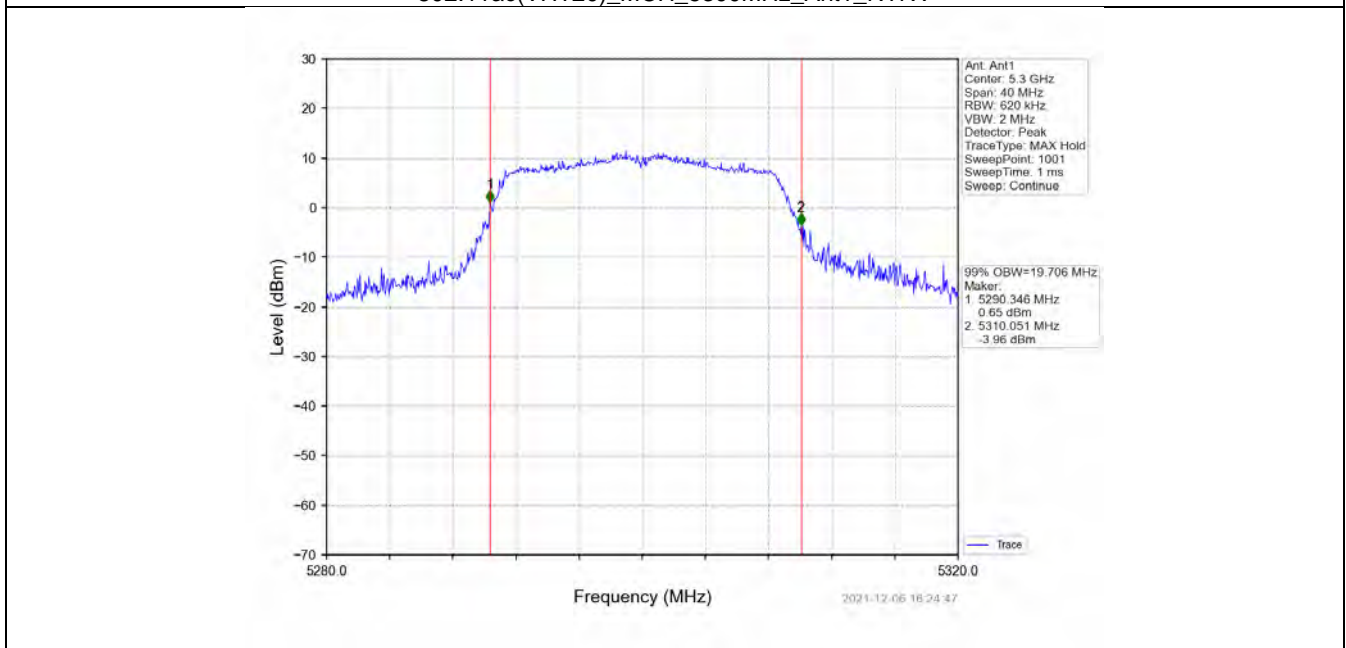
802.11ac(VHT20)_LCH_5260MHz_Ant2_NTNV



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802.11ac(VHT20)_MCH_5300MHz_Ant1_NTNV

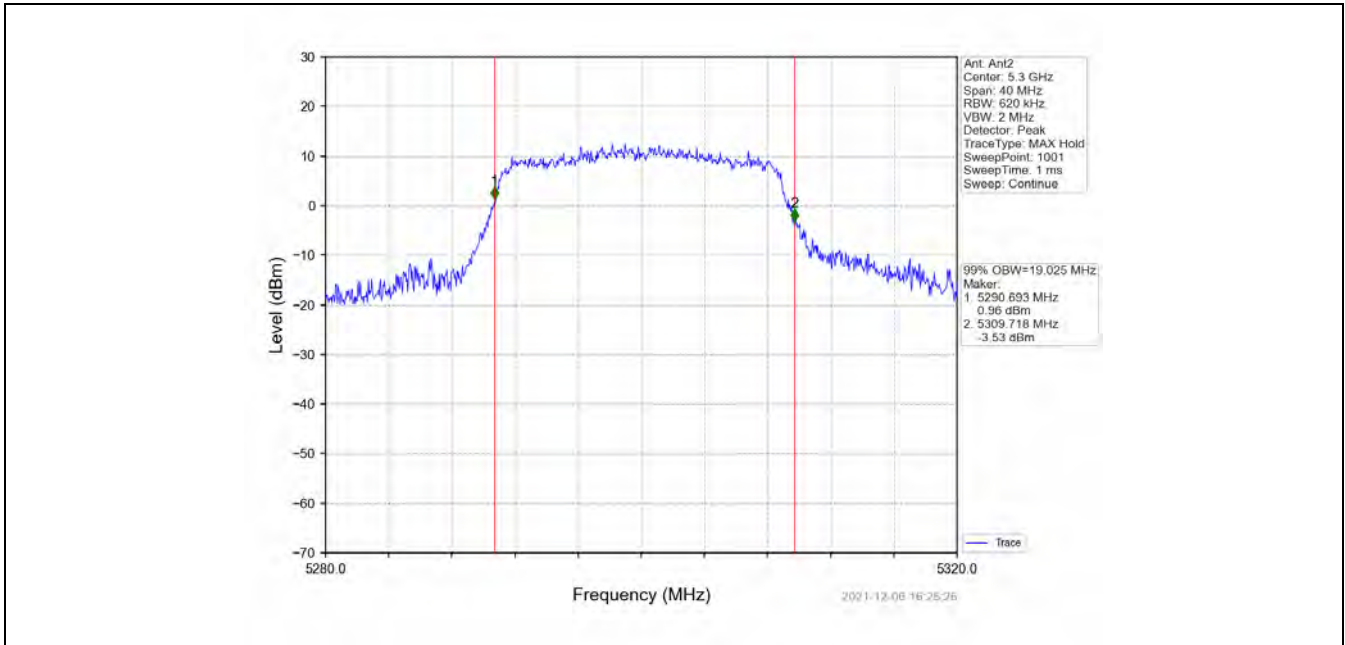


802.11ac(VHT20)_MCH_5300MHz_Ant2_NTNV



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802.11ac(VHT20)_HCH_5320MHz_Ant1_NTNV

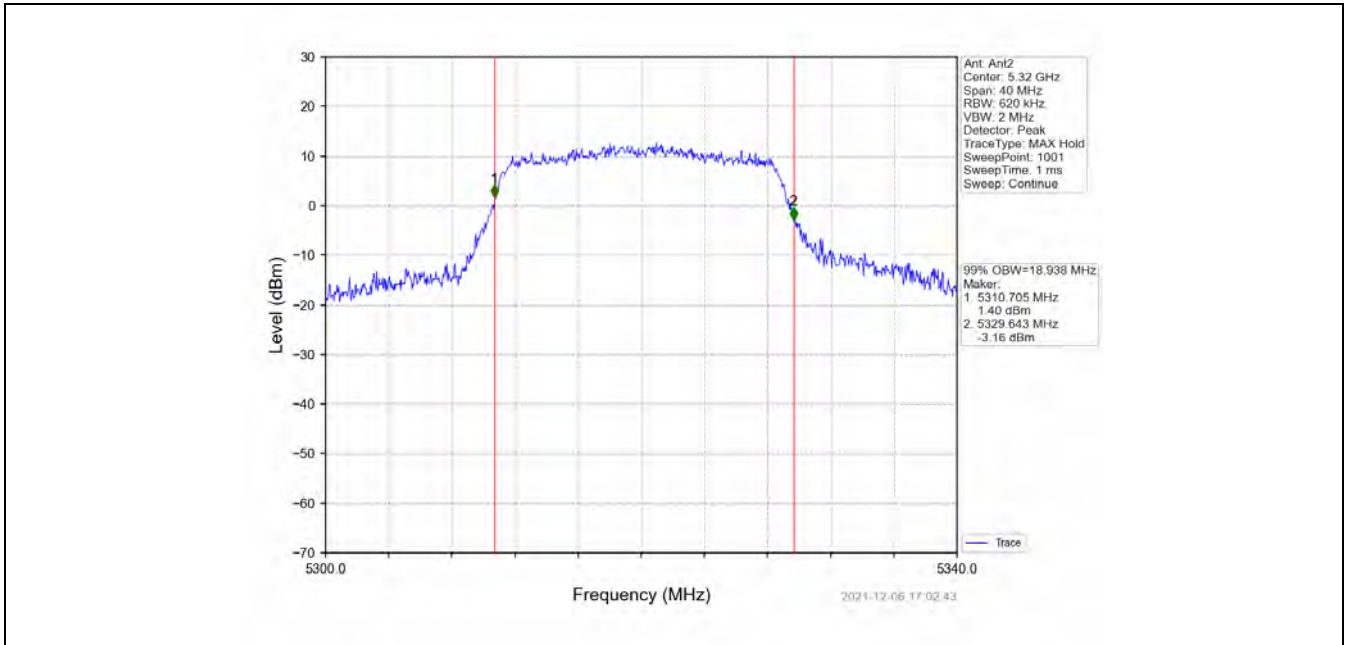


802.11ac(VHT20)_HCH_5320MHz_Ant2_NTNV

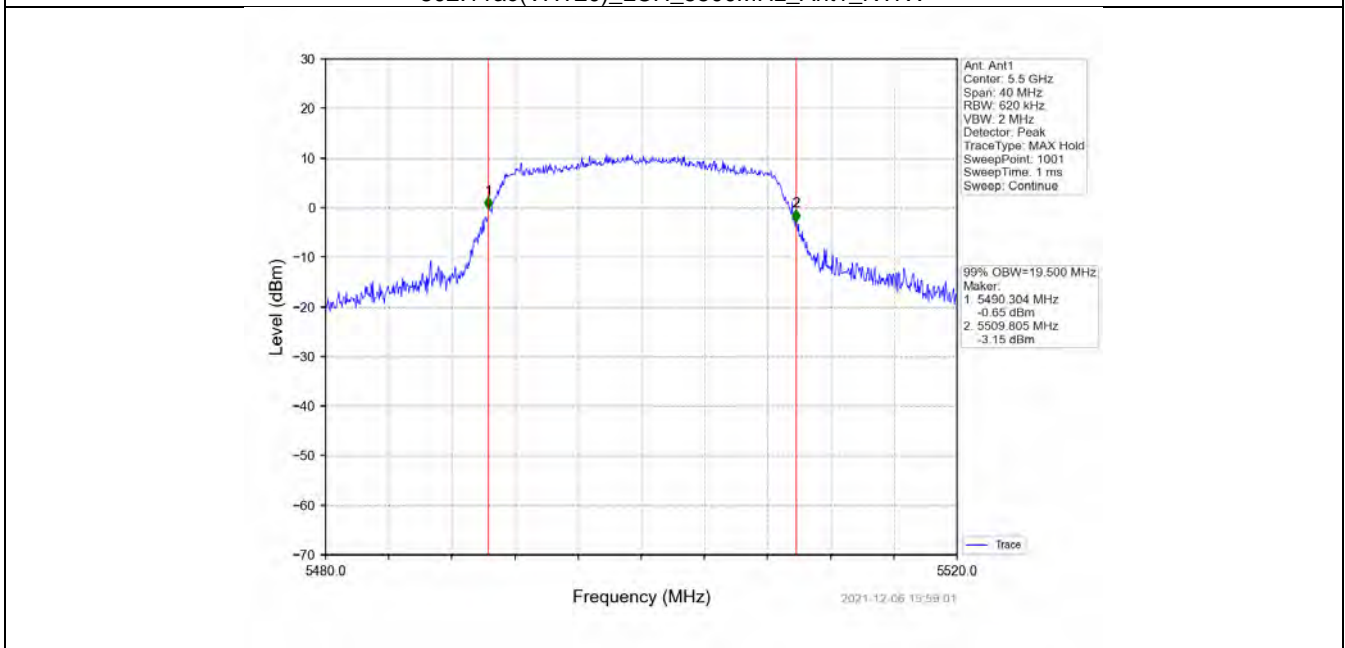


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802.11ac(VHT20)_LCH_5500MHz_Ant1_NTNV

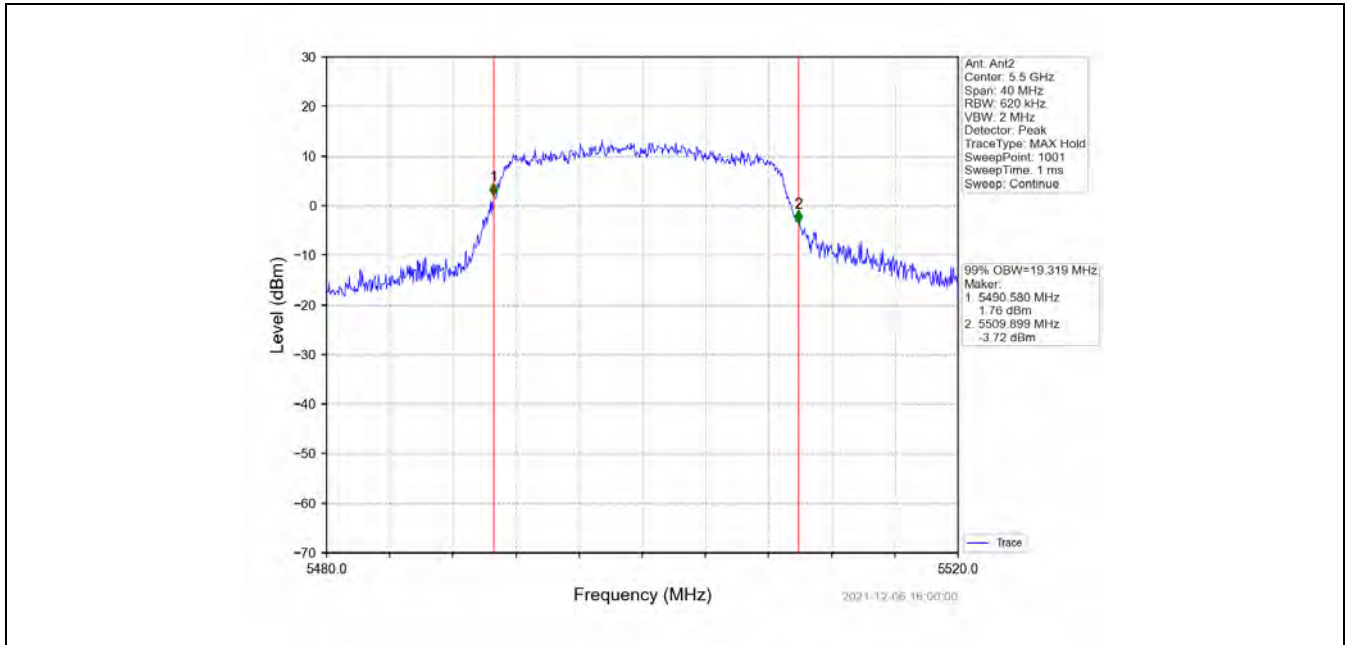


802.11ac(VHT20)_LCH_5500MHz_Ant2_NTNV

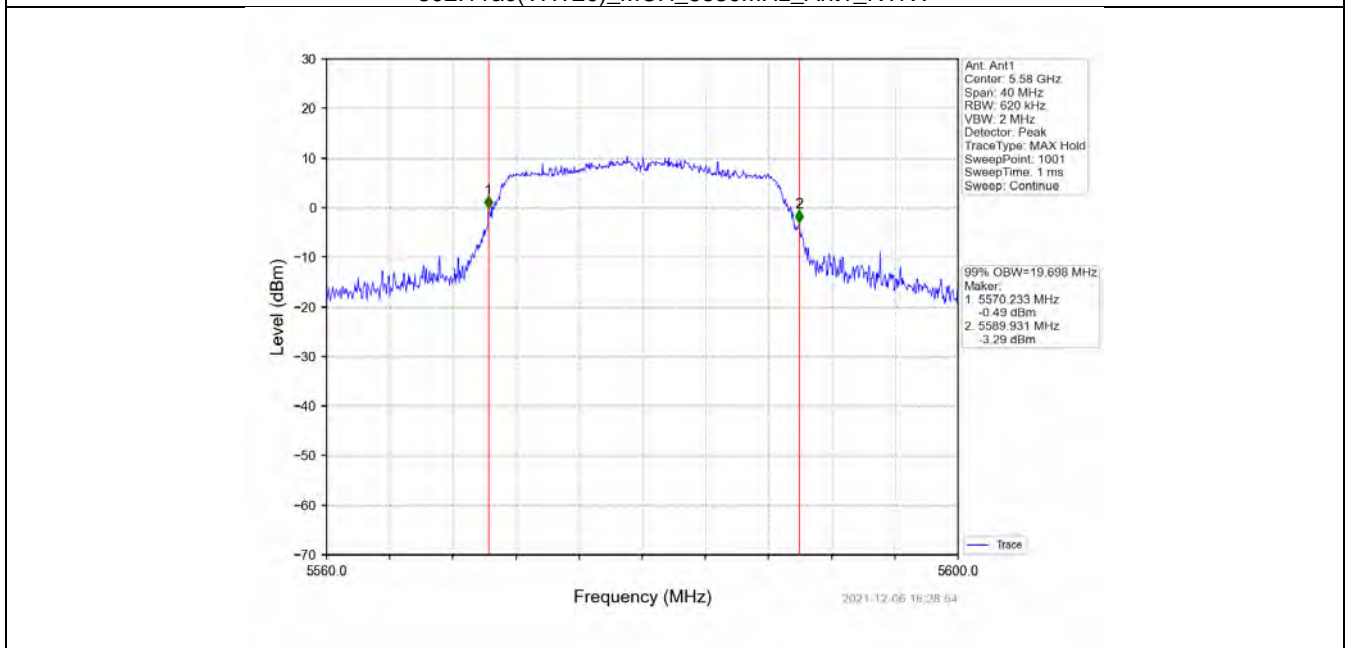


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802.11ac(VHT20)_MCH_5580MHz_Ant1_NTNV

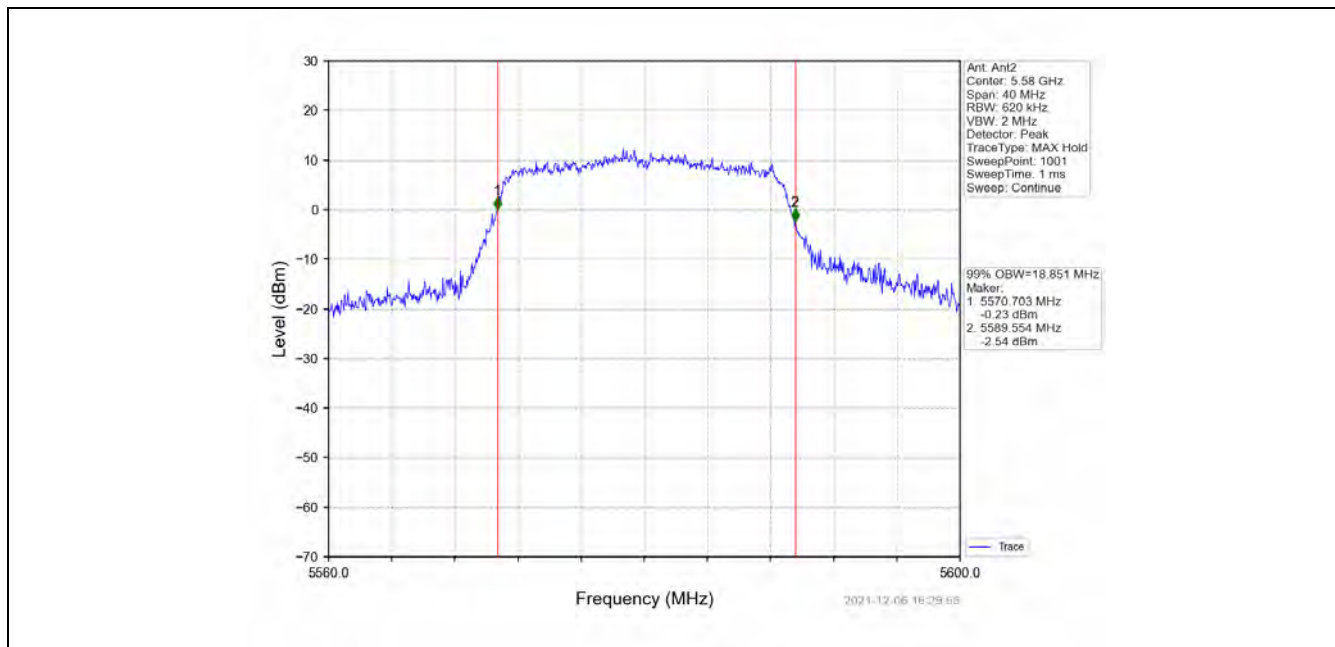


802.11ac(VHT20)_MCH_5580MHz_Ant2_NTNV

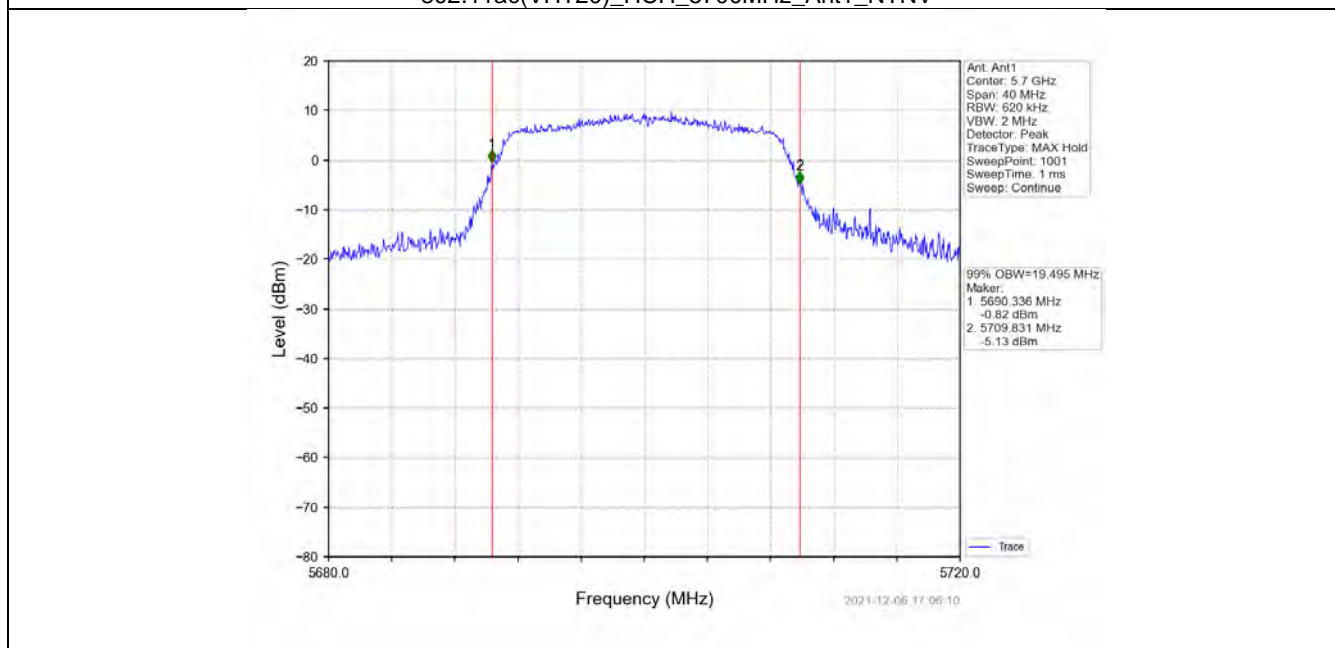


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802.11ac(VHT20)_HCH_5700MHz_Ant1_NTNV

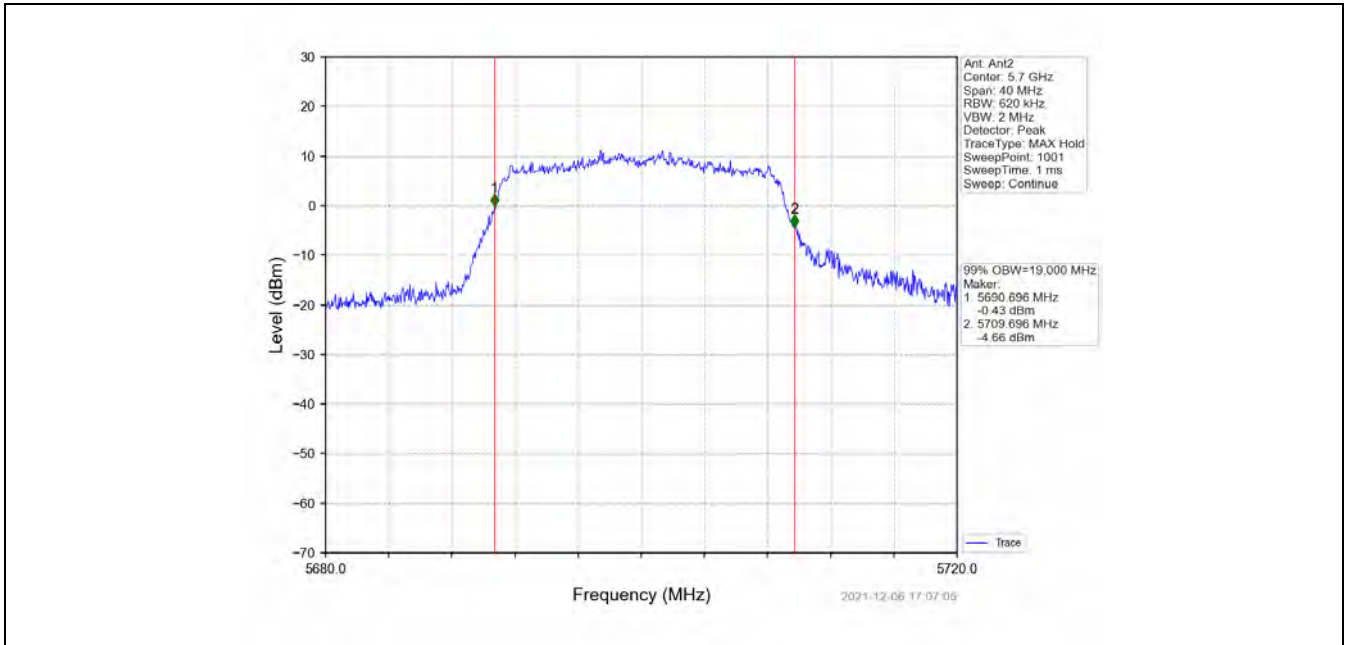


802.11ac(VHT20)_HCH_5700MHz_Ant2_NTNV

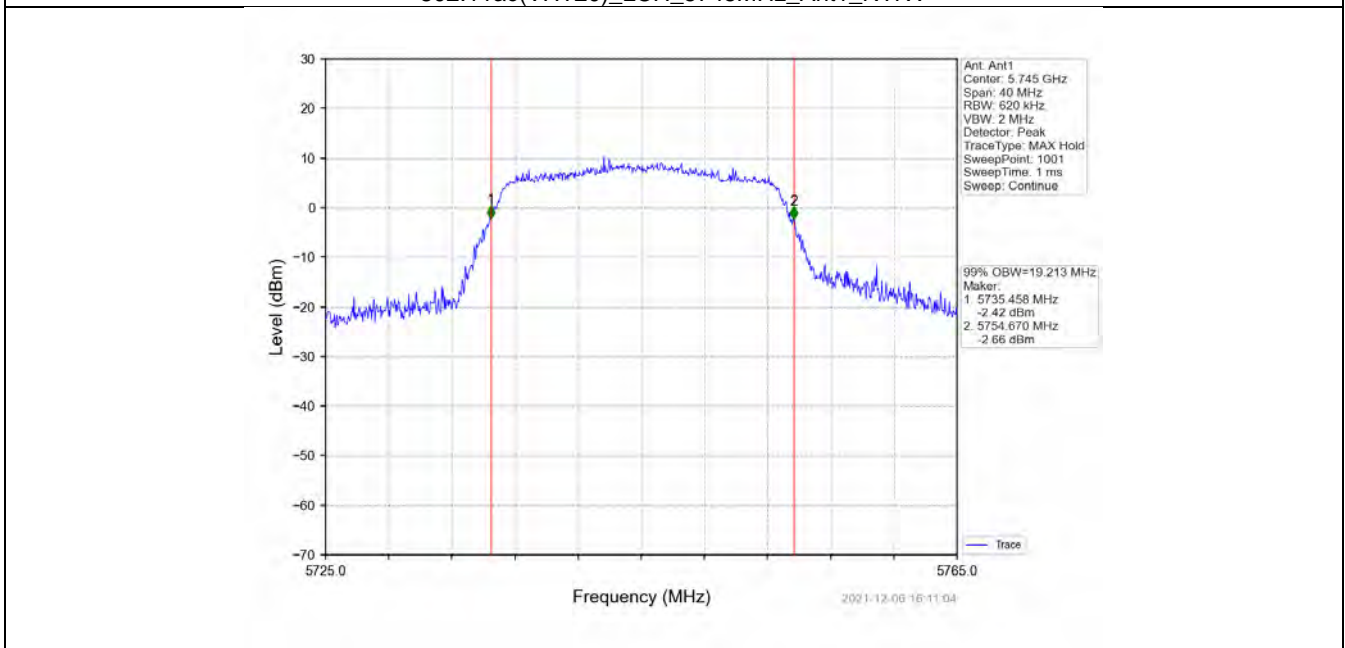


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802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV

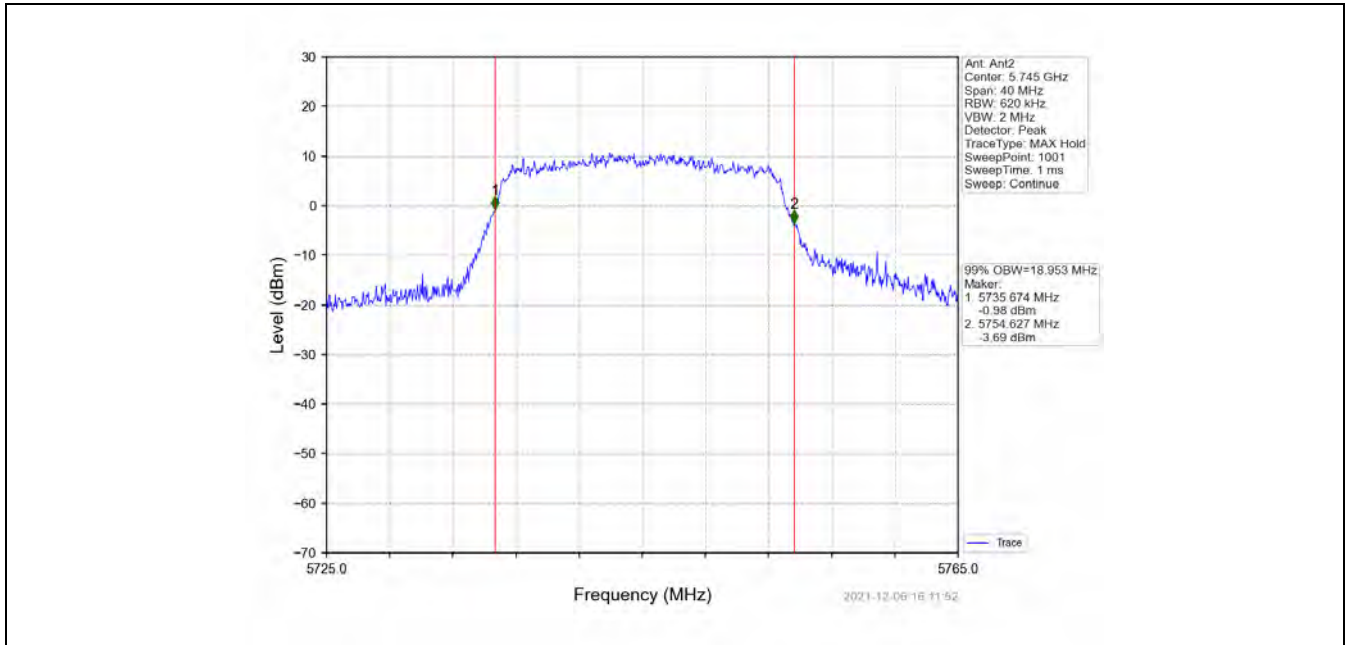


802.11ac(VHT20)_LCH_5745MHz_Ant2_NTNV

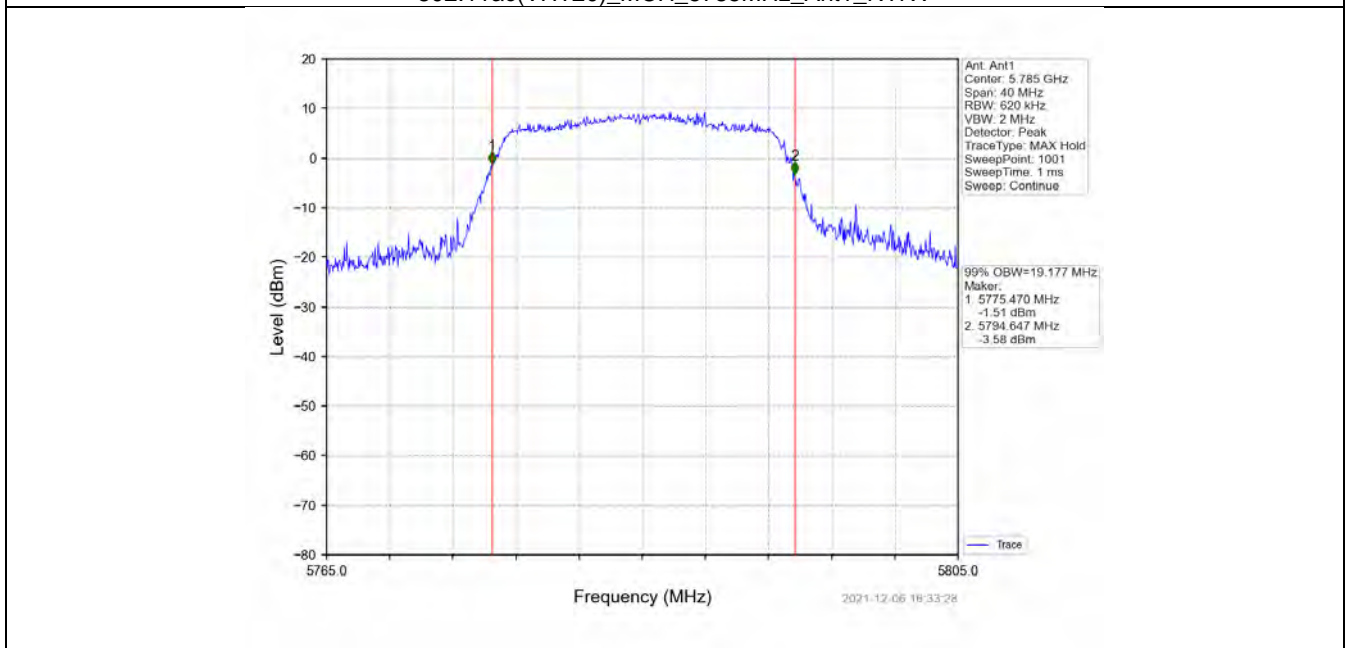


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802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV

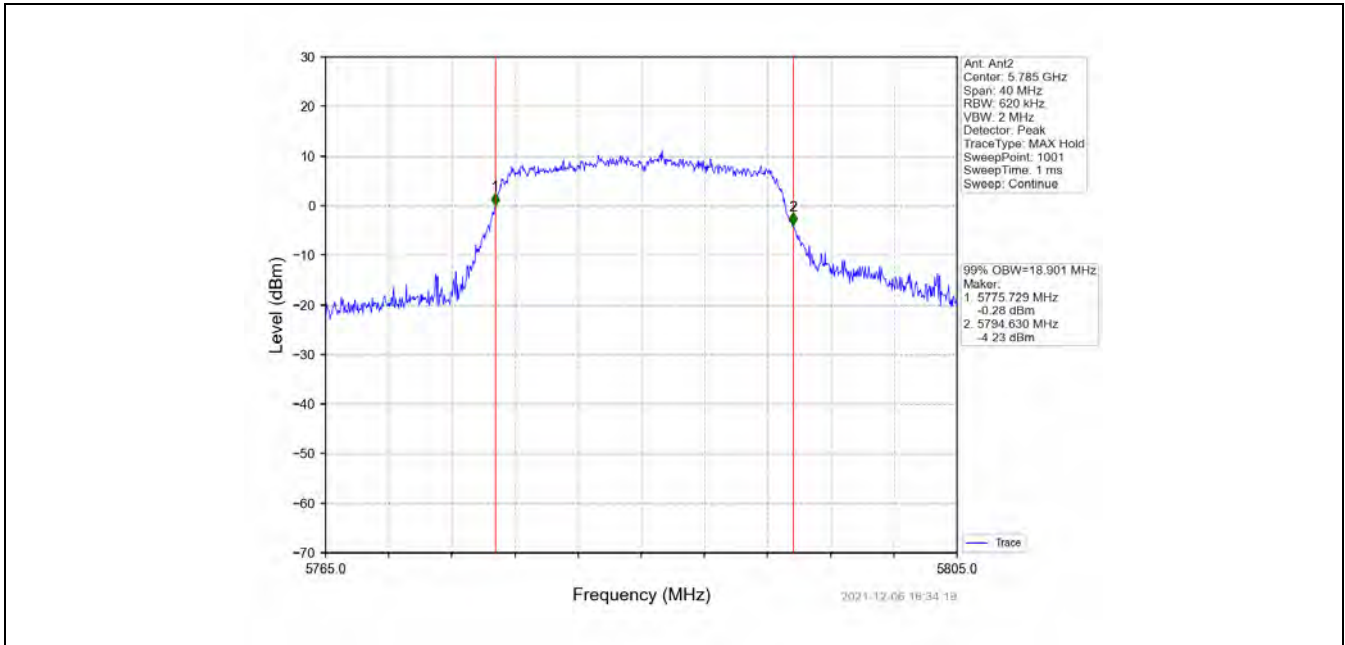


802.11ac(VHT20)_MCH_5785MHz_Ant2_NTNV

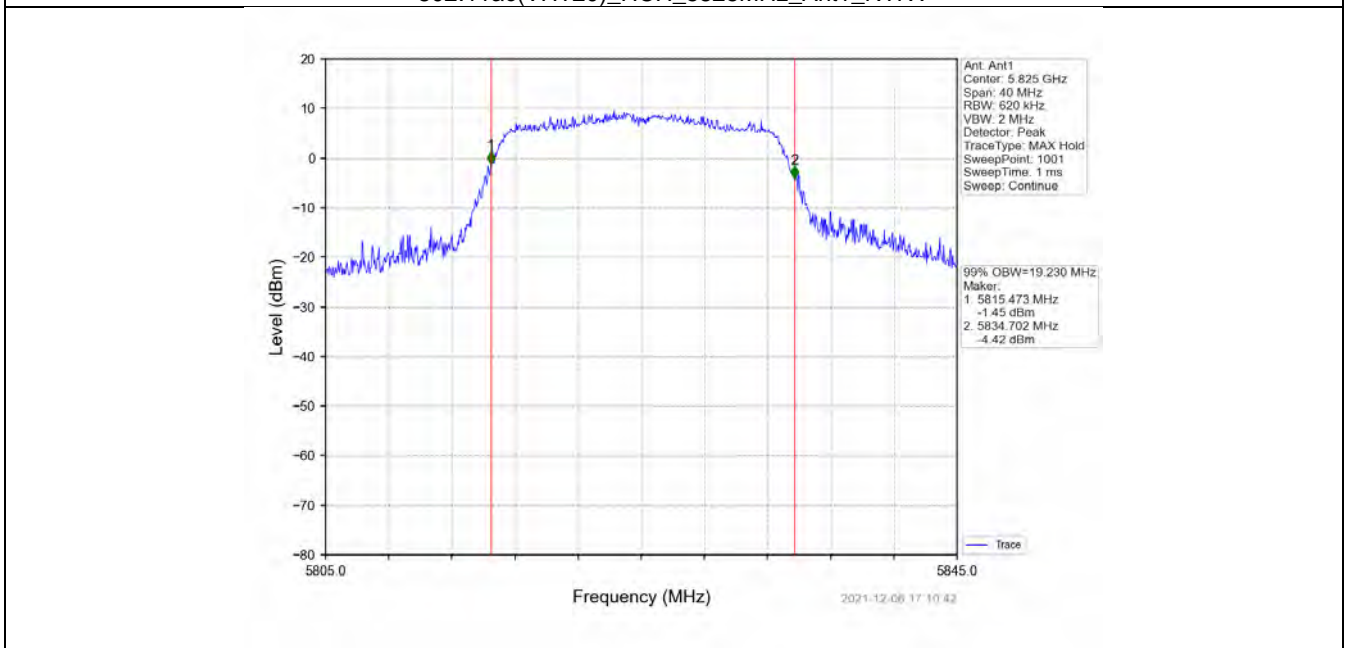


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802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV

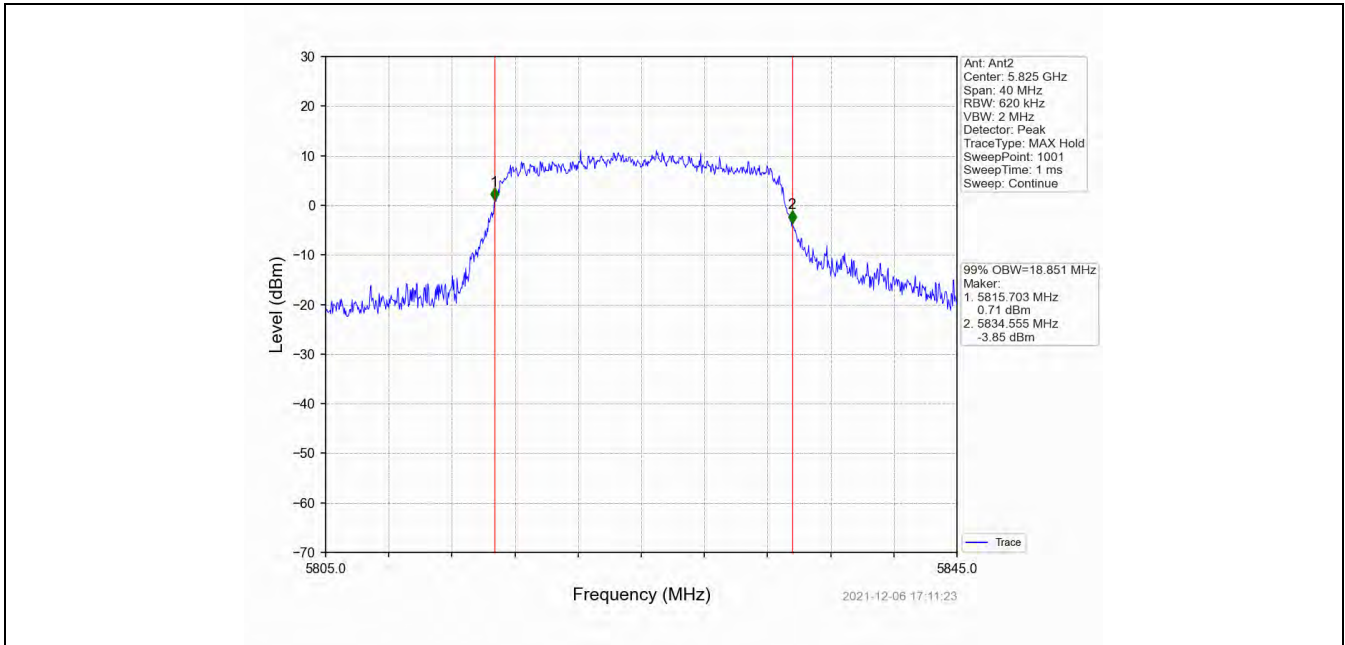


802.11ac(VHT20)_HCH_5825MHz_Ant2_NTNV

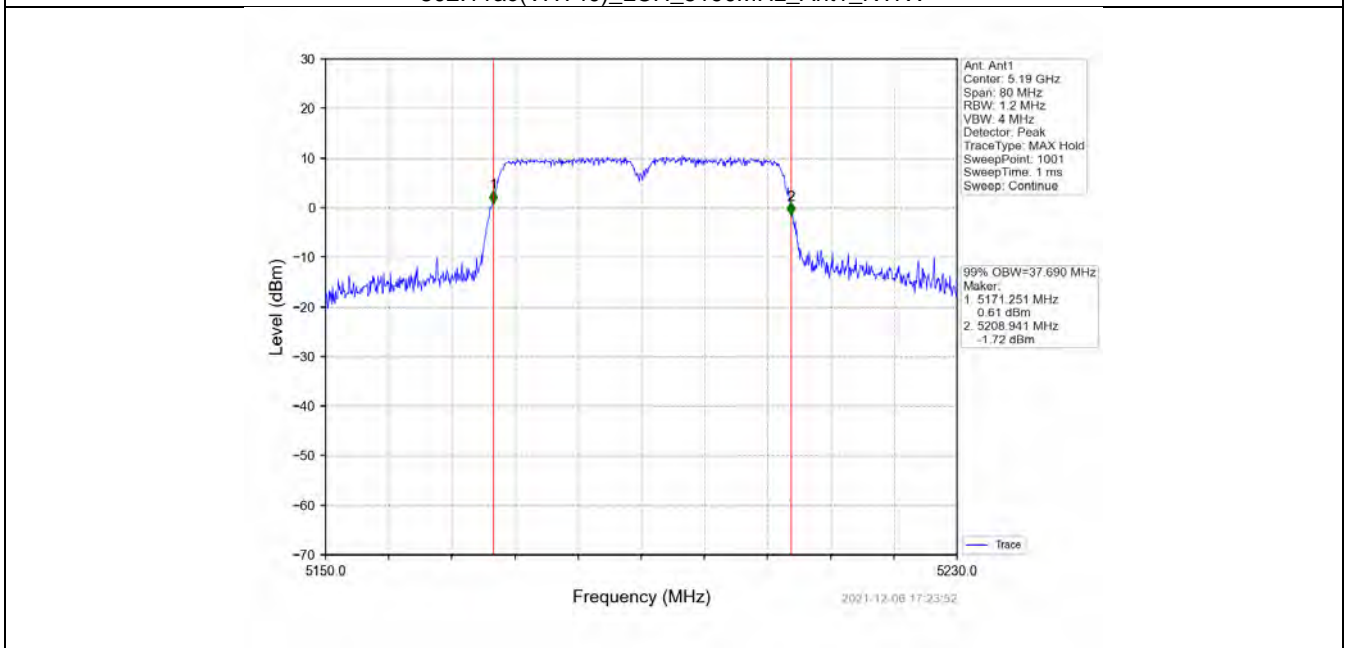


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802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV

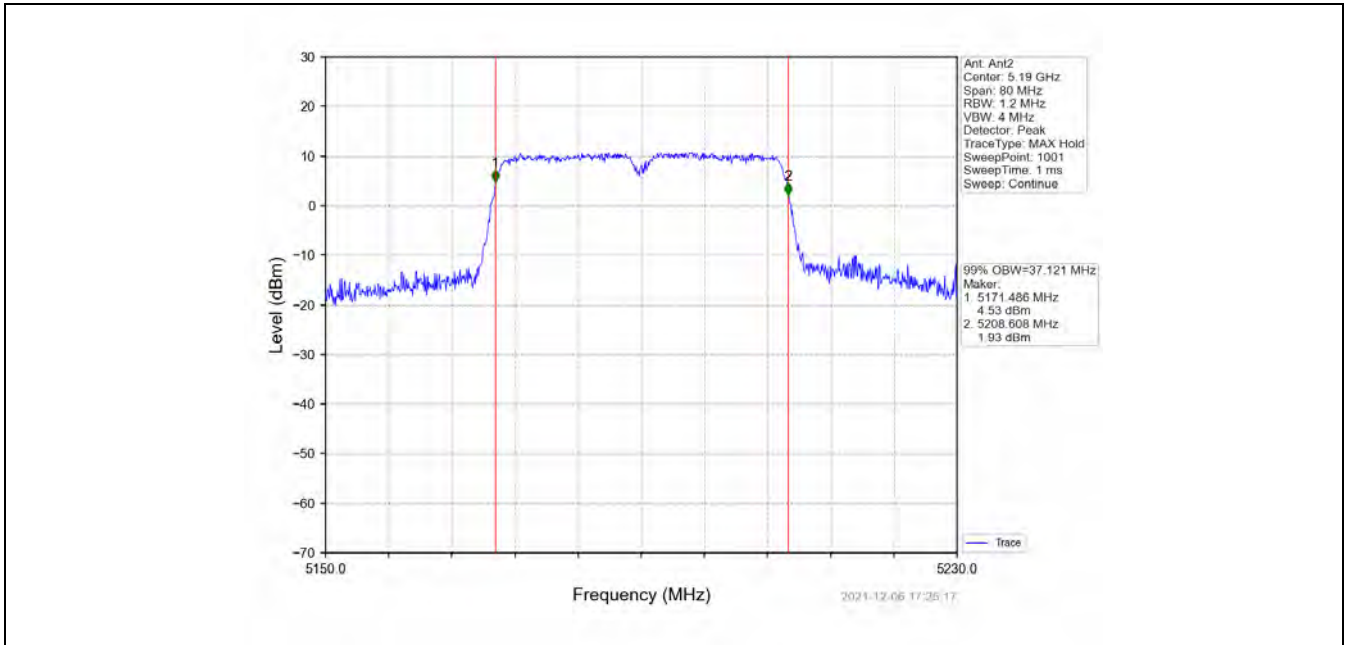


802.11ac(VHT40)_LCH_5190MHz_Ant2_NTNV

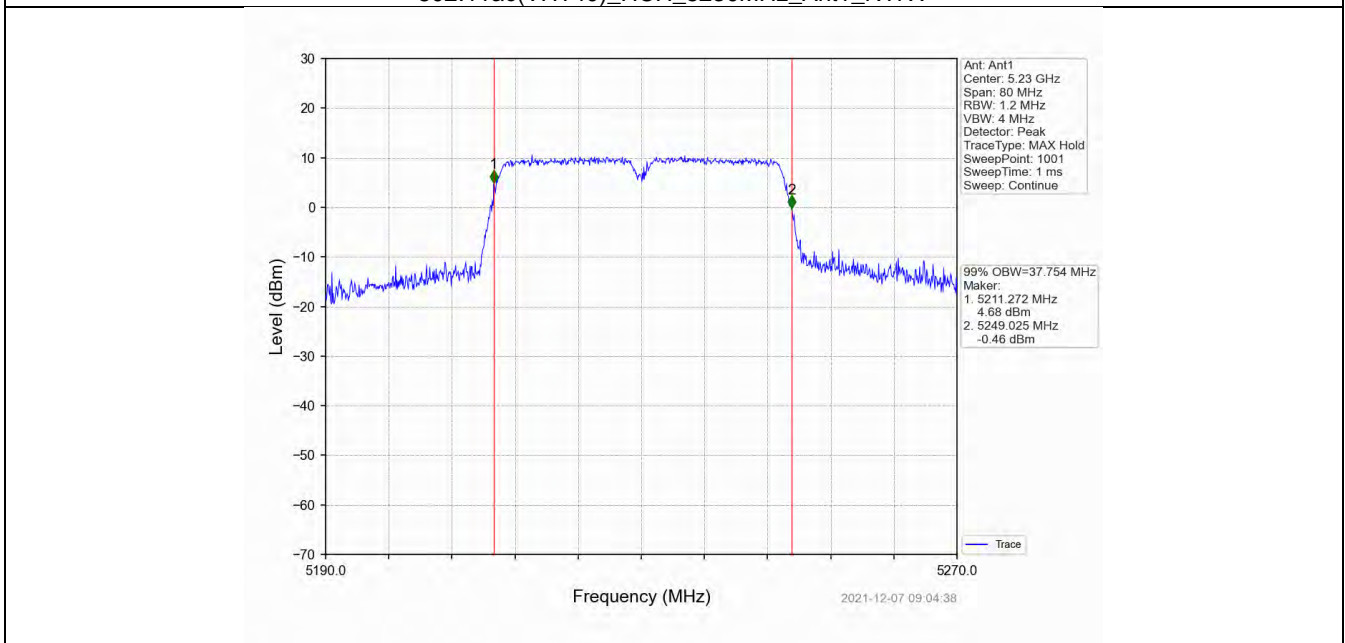


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802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV

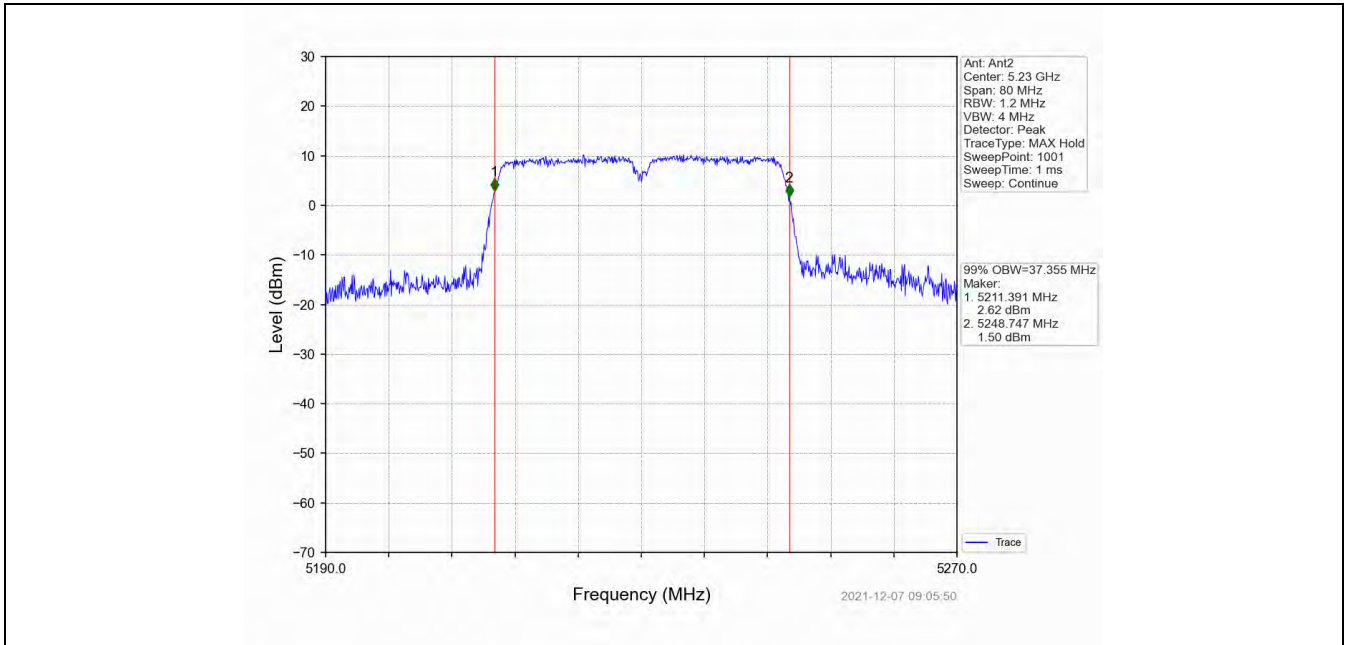


802.11ac(VHT40)_HCH_5230MHz_Ant2_NTNV

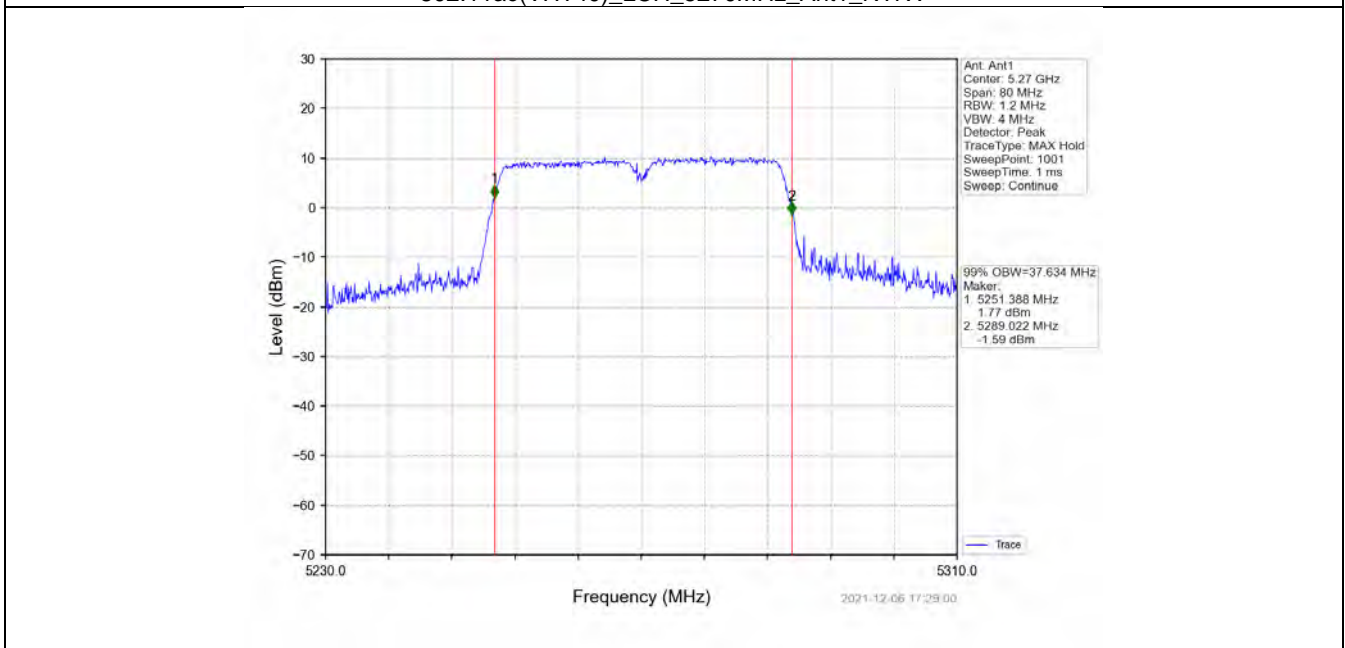


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802.11ac(VHT40)_LCH_5270MHz_Ant1_NTNV

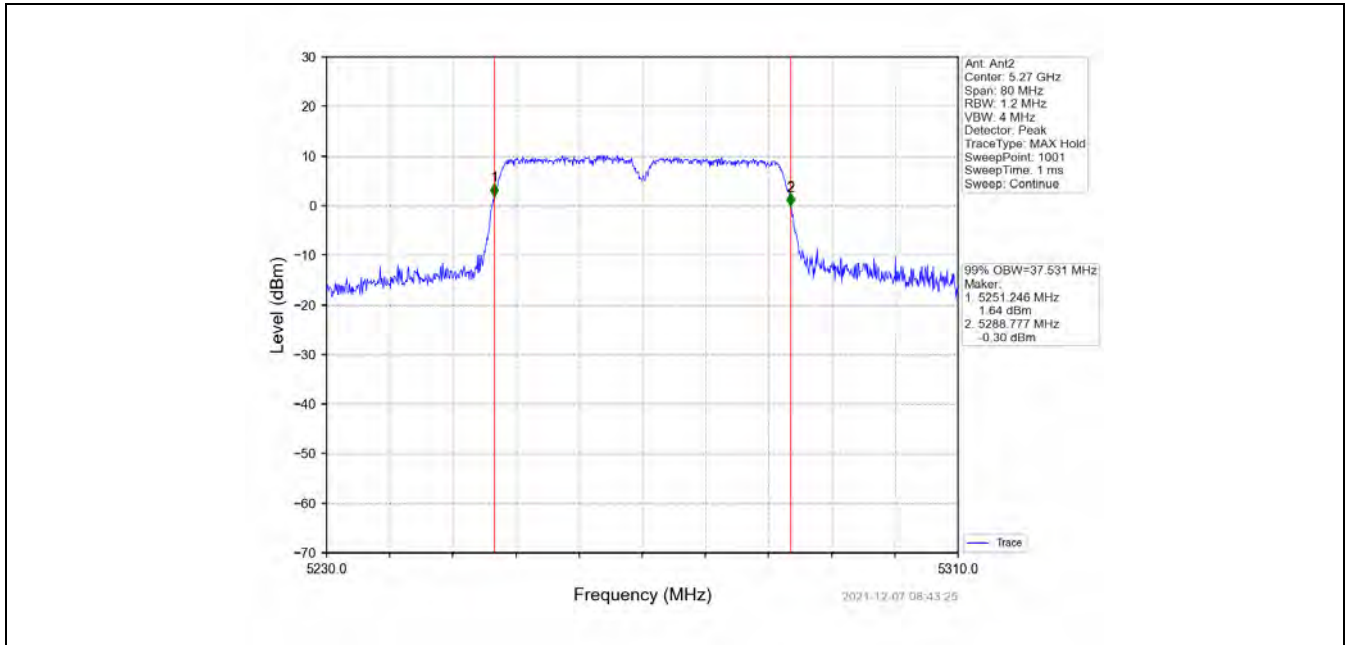


802.11ac(VHT40)_LCH_5270MHz_Ant2_NTNV

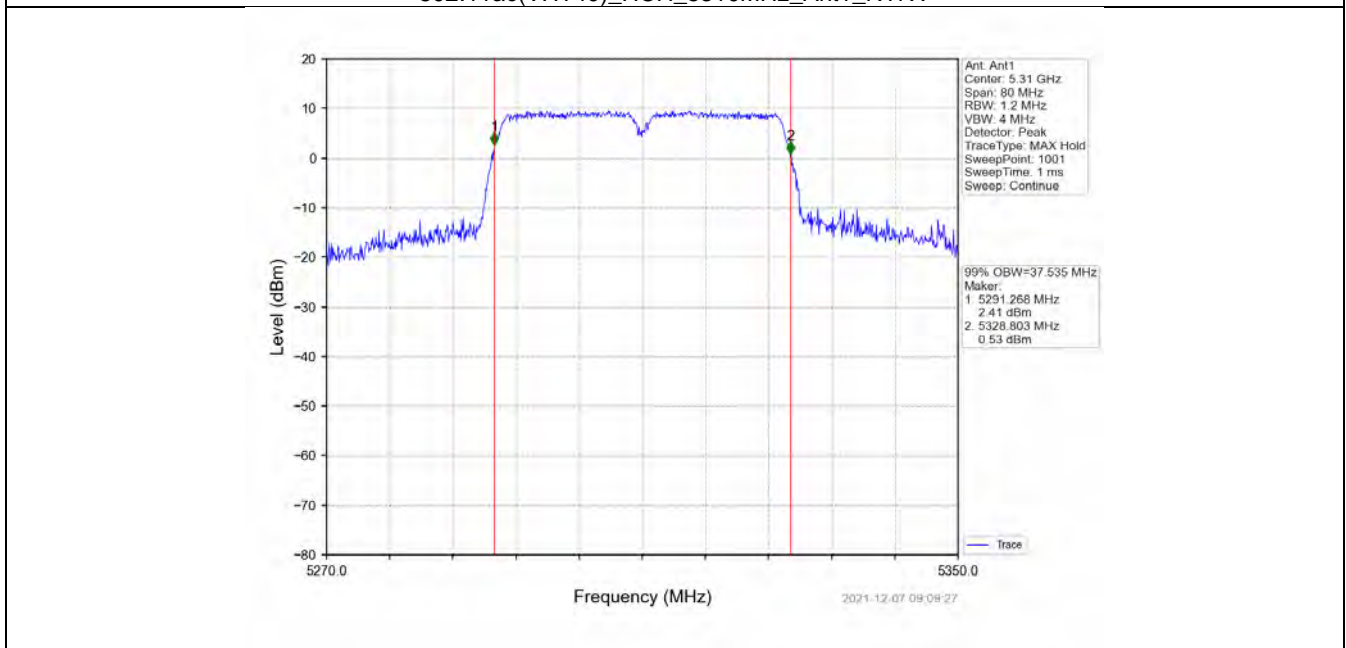


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802.11ac(VHT40)_HCH_5310MHz_Ant1_NTNV

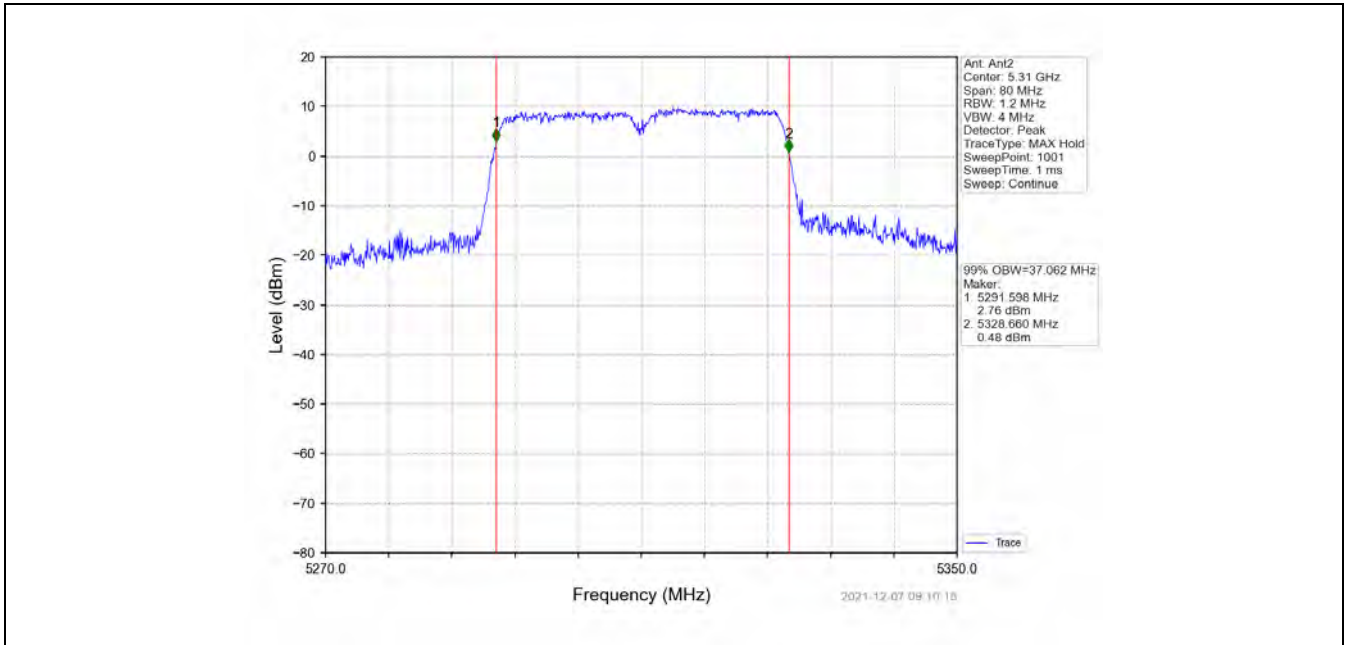


802.11ac(VHT40)_HCH_5310MHz_Ant2_NTNV

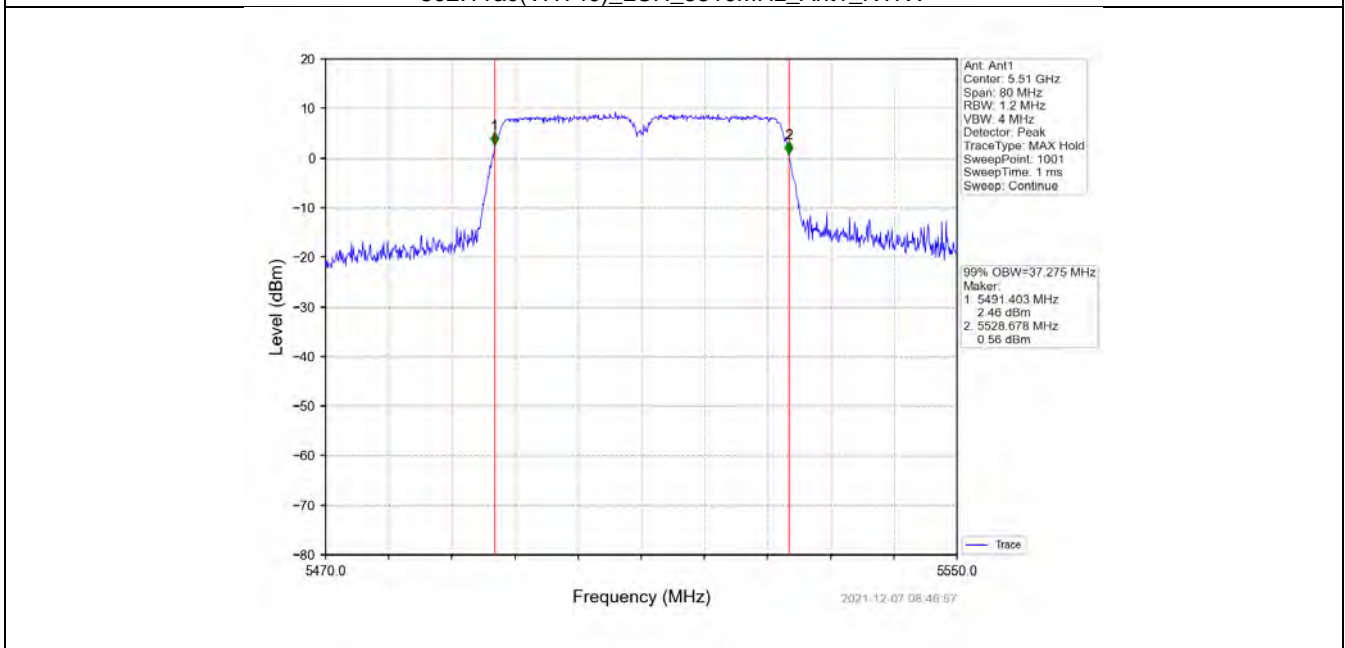


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802.11ac(VHT40)_LCH_5510MHz_Ant1_NTNV

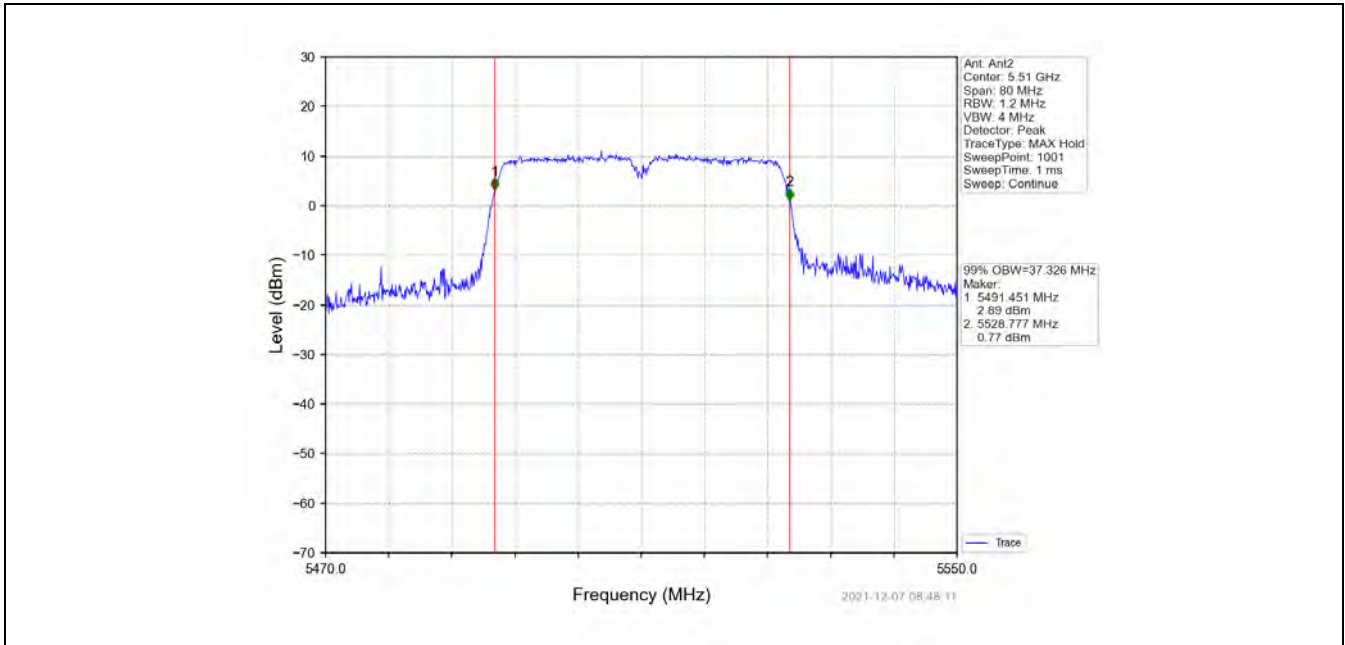


802.11ac(VHT40)_LCH_5510MHz_Ant2_NTNV

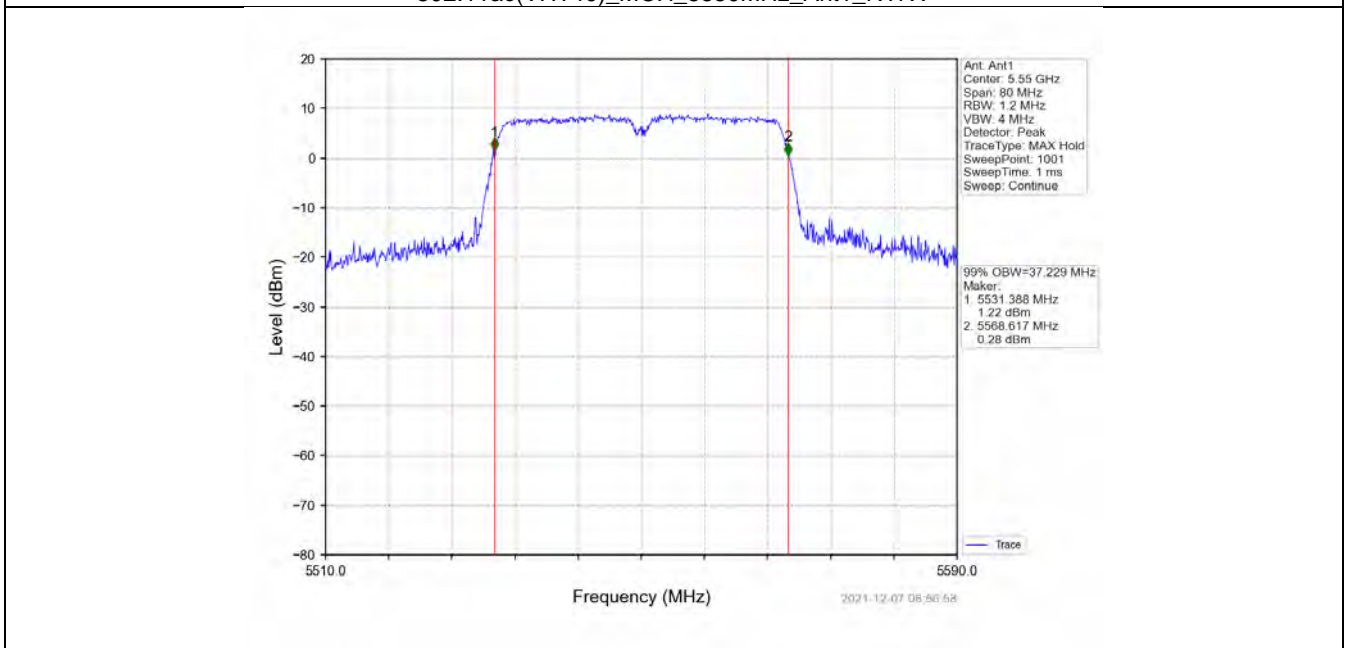


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802.11ac(VHT40)_MCH_5550MHz_Ant1_NTNV

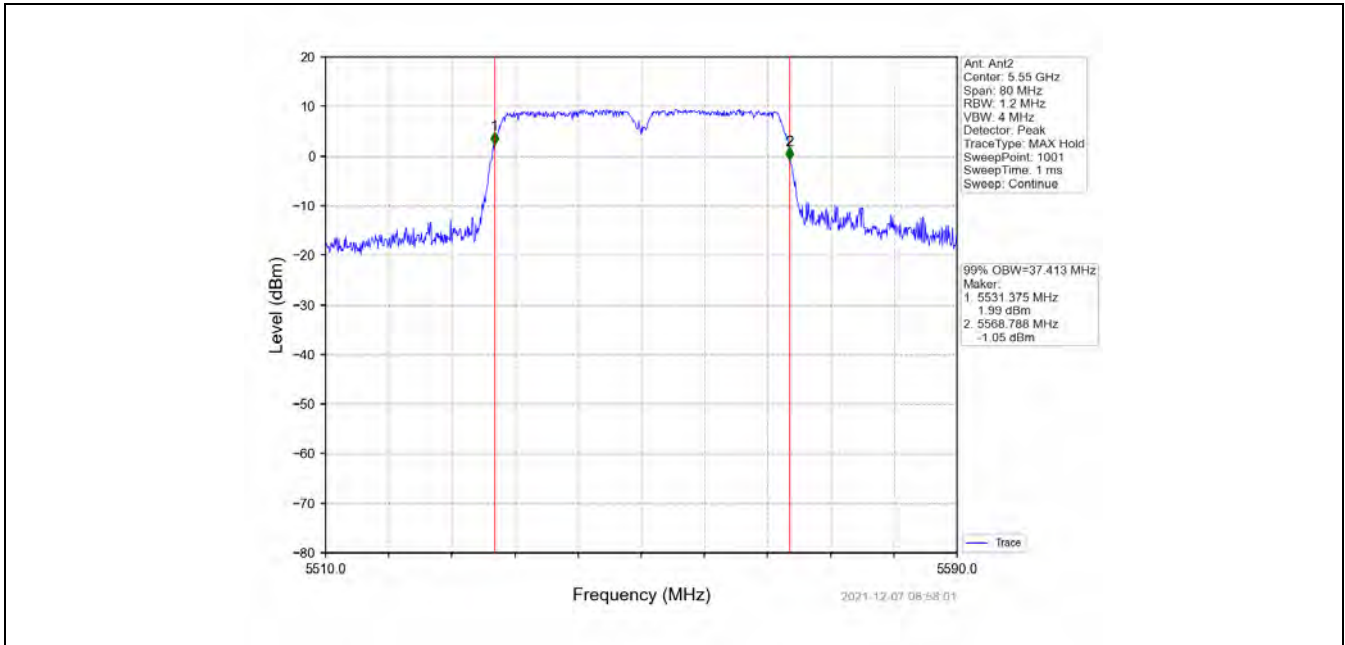


802.11ac(VHT40)_MCH_5550MHz_Ant2_NTNV

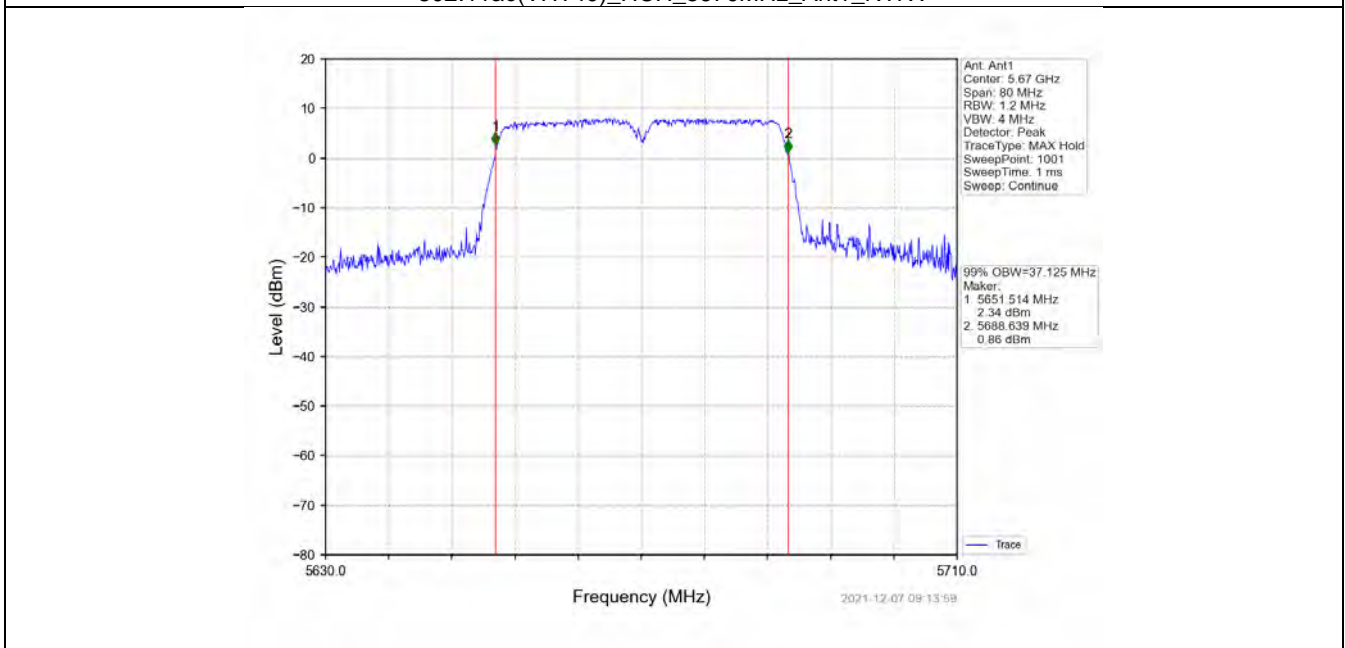


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802.11ac(VHT40)_HCH_5670MHz_Ant1_NTNV

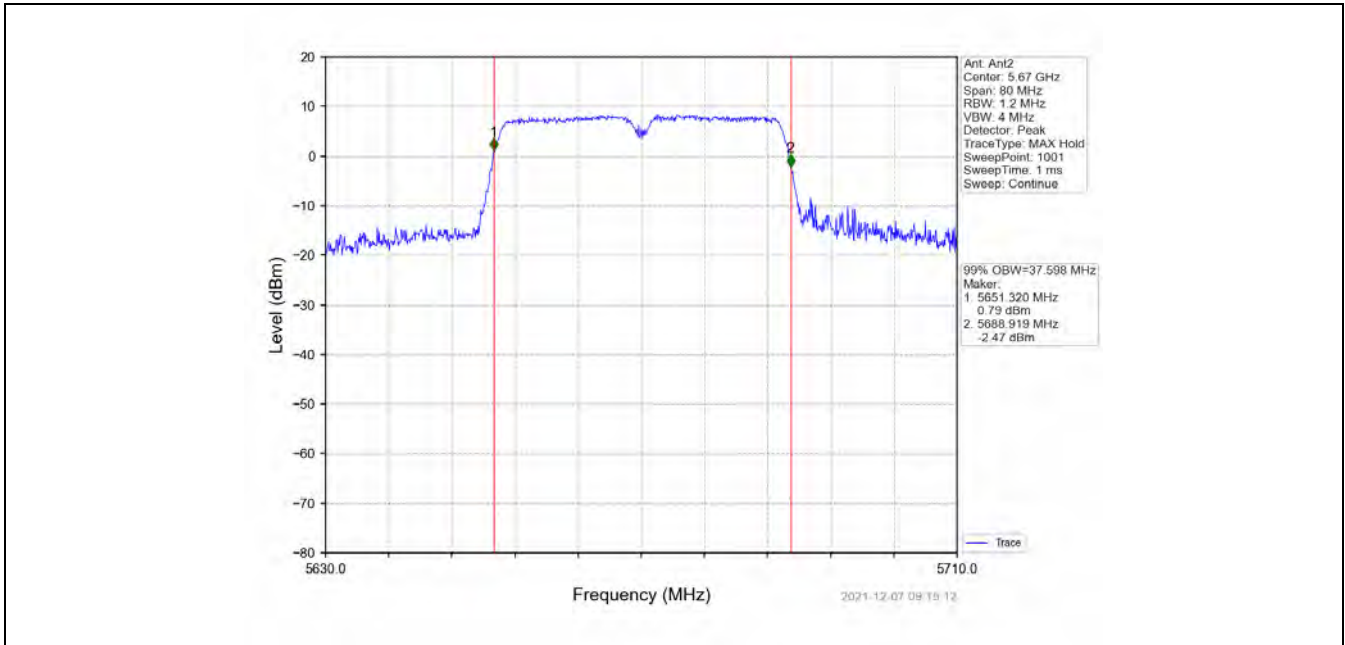


802.11ac(VHT40)_HCH_5670MHz_Ant2_NTNV

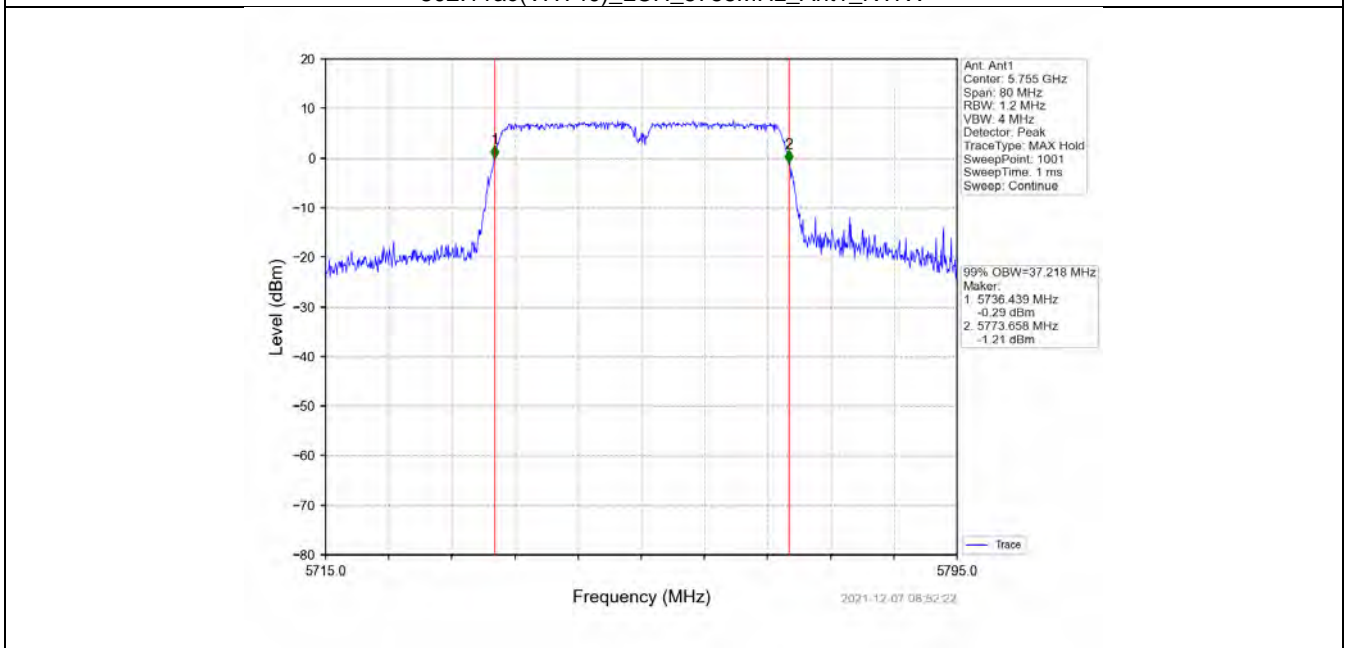


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802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV

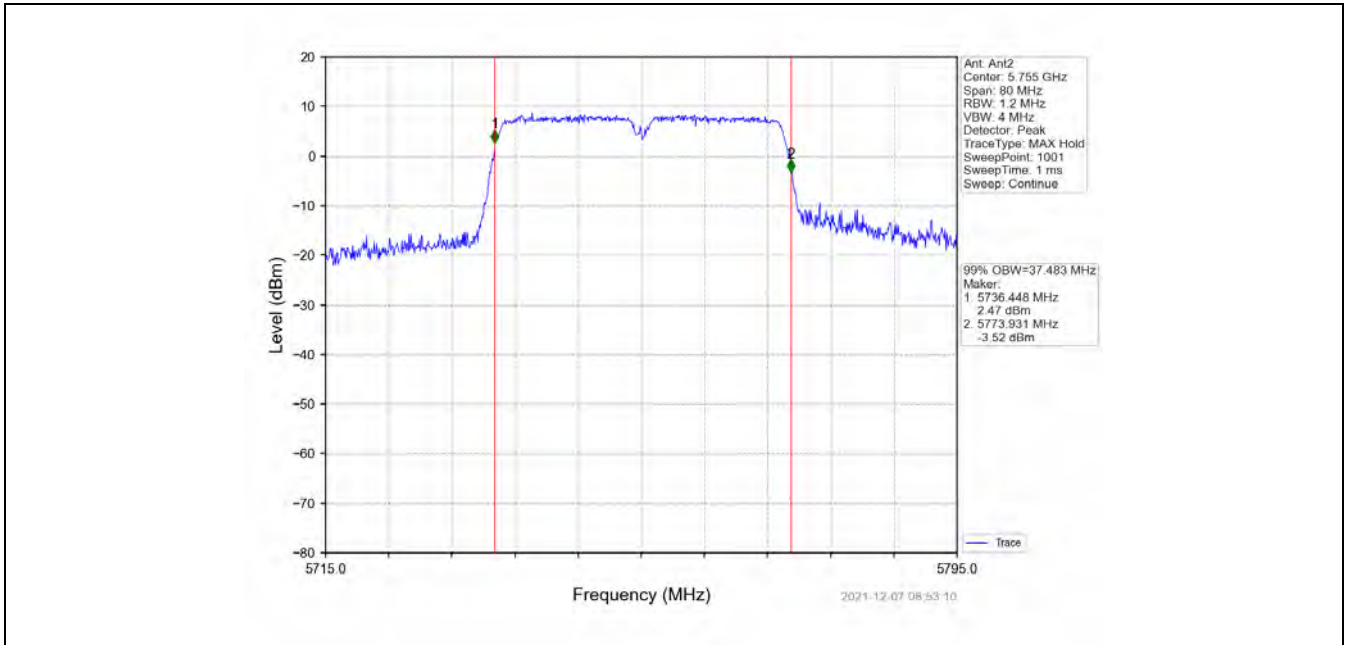


802.11ac(VHT40)_LCH_5755MHz_Ant2_NTNV

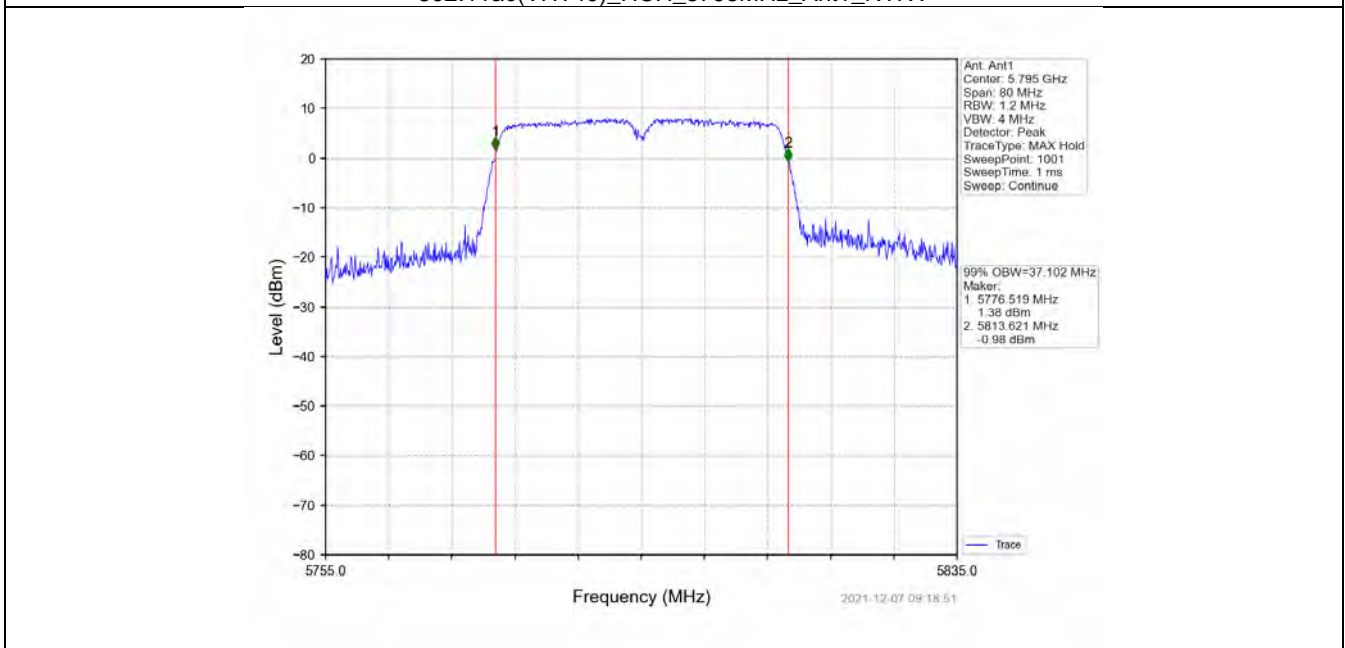


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802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV

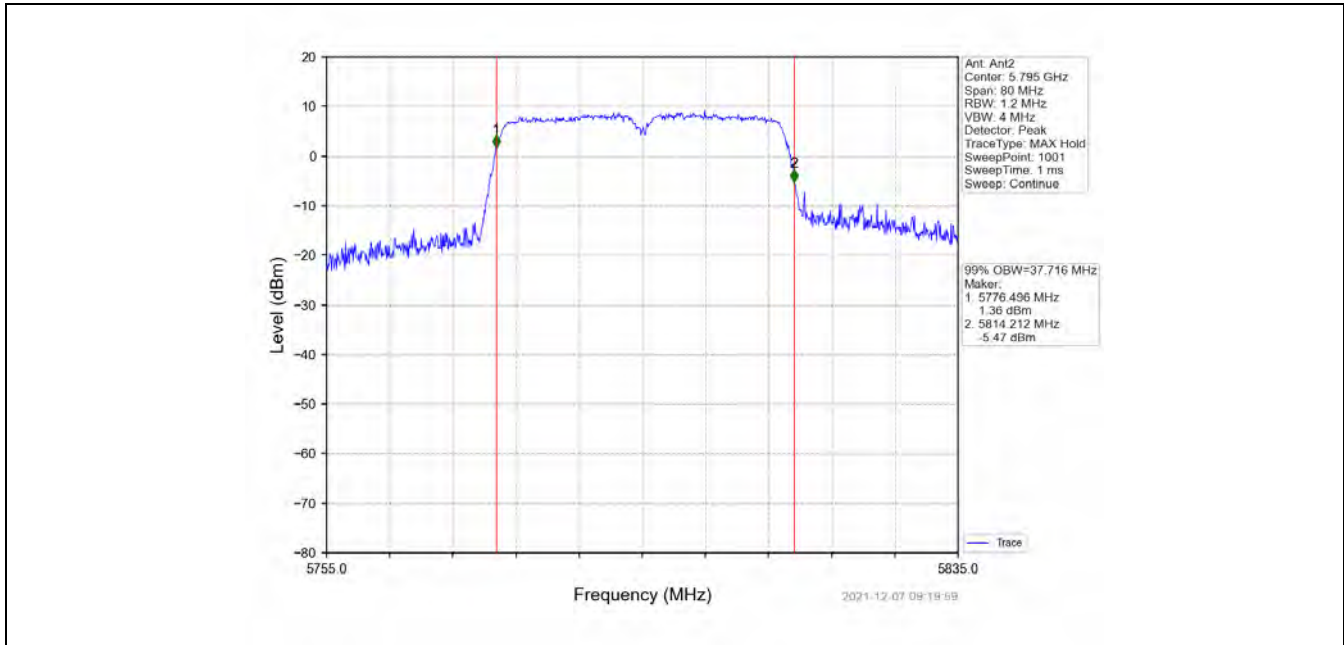


802.11ac(VHT40)_HCH_5795MHz_Ant2_NTNV

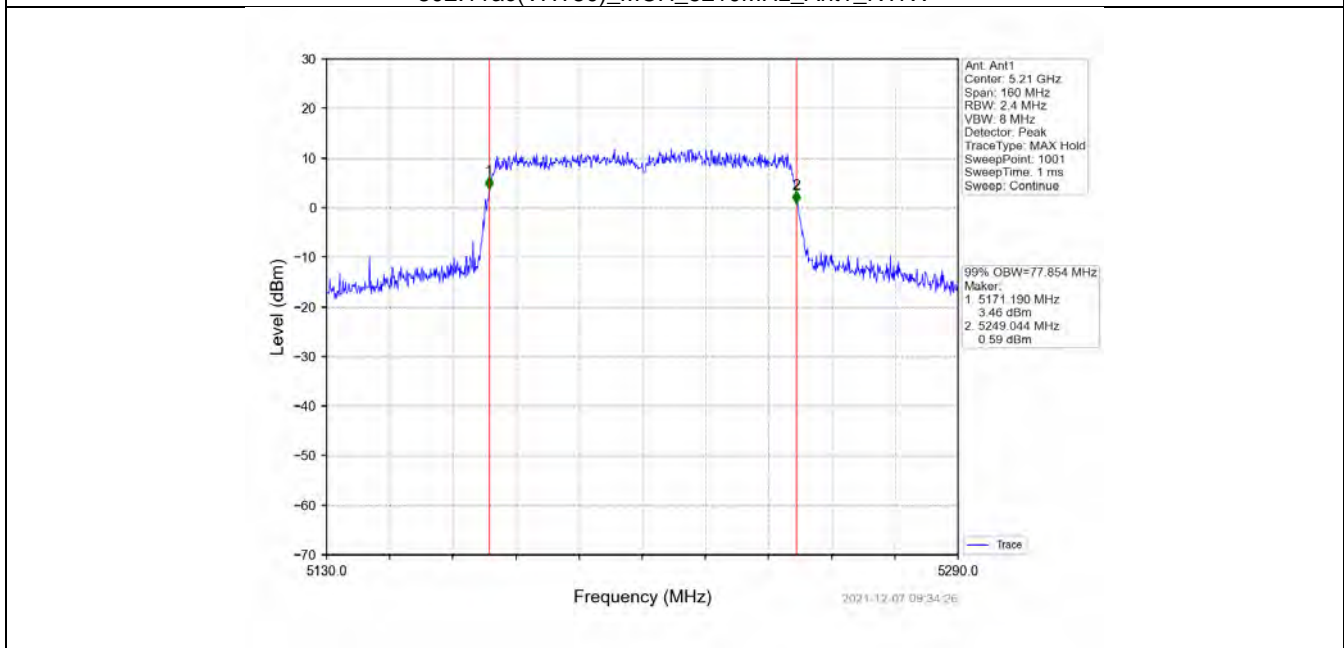


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802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV

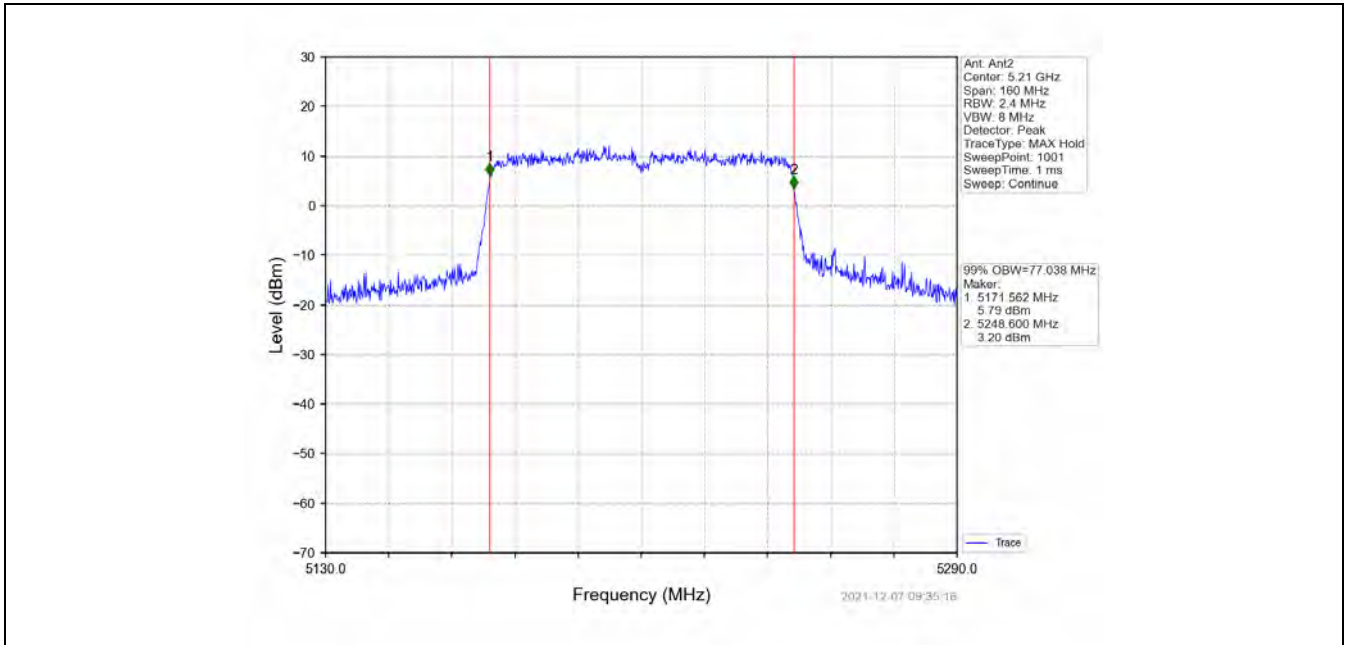


802.11ac(VHT80)_MCH_5210MHz_Ant2_NTNV

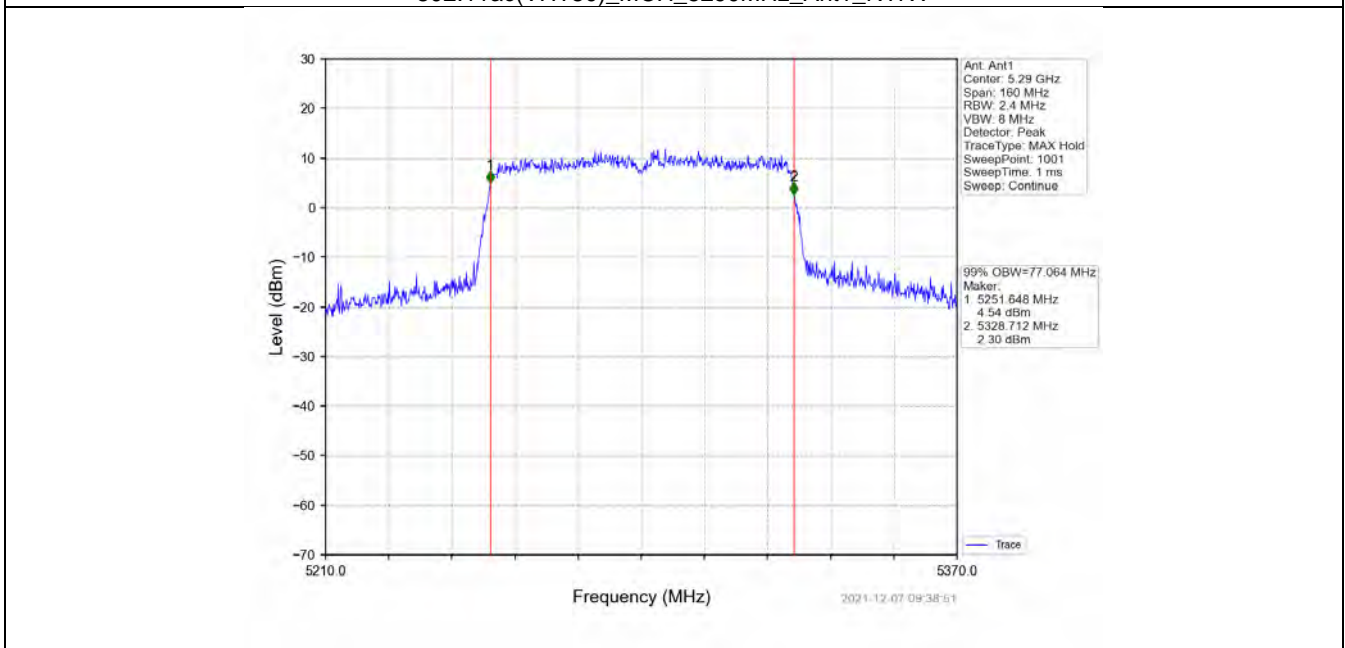


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802.11ac(VHT80)_MCH_5290MHz_Ant1_NTNV

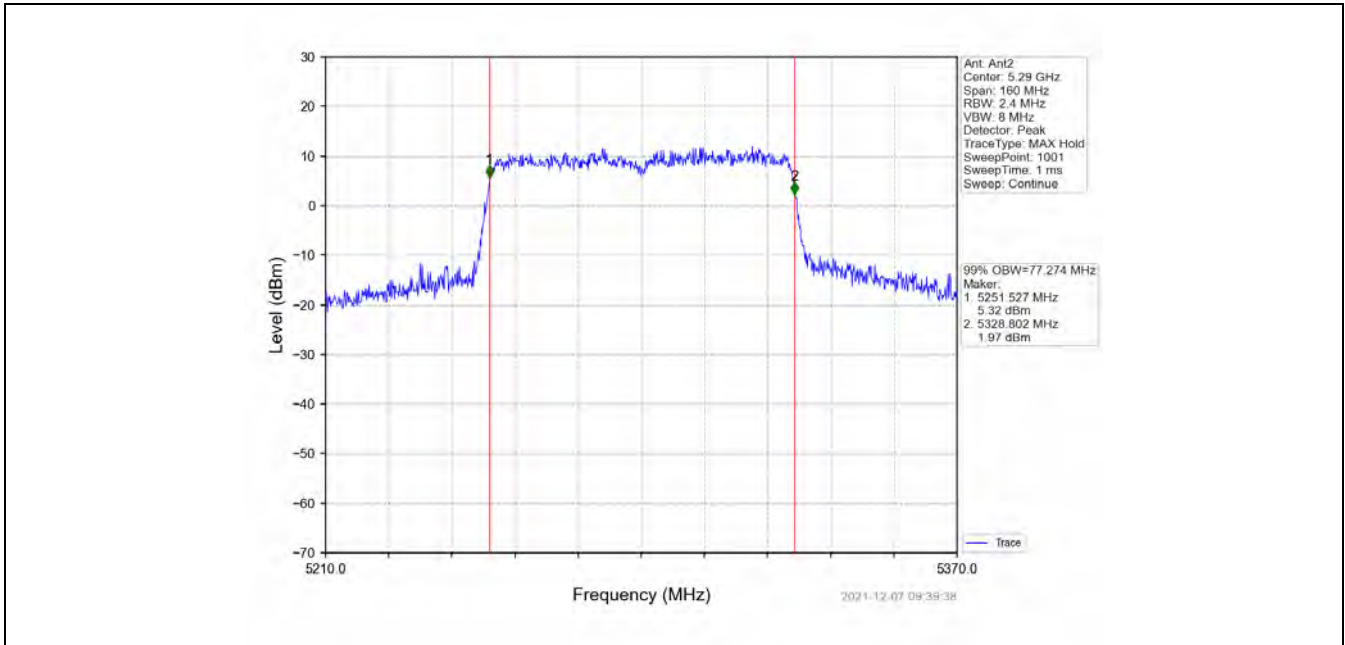


802.11ac(VHT80)_MCH_5290MHz_Ant2_NTNV

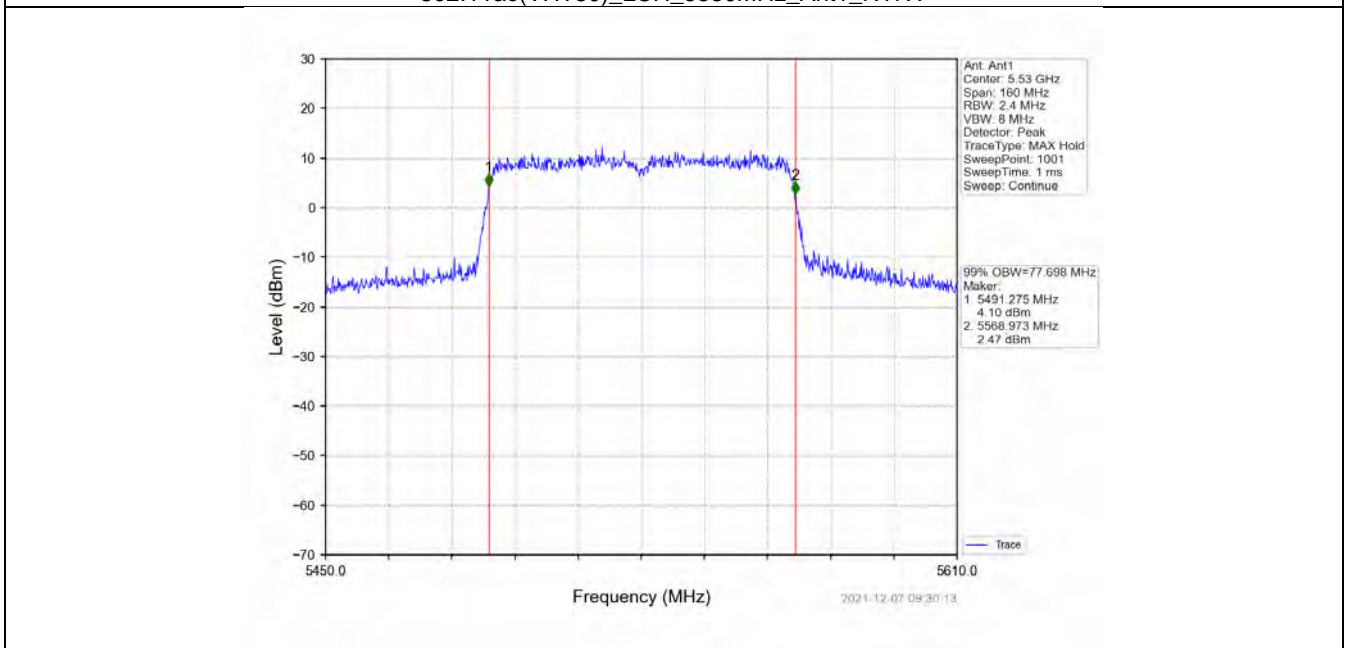


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802.11ac(VHT80)_LCH_5530MHz_Ant1_NTNV

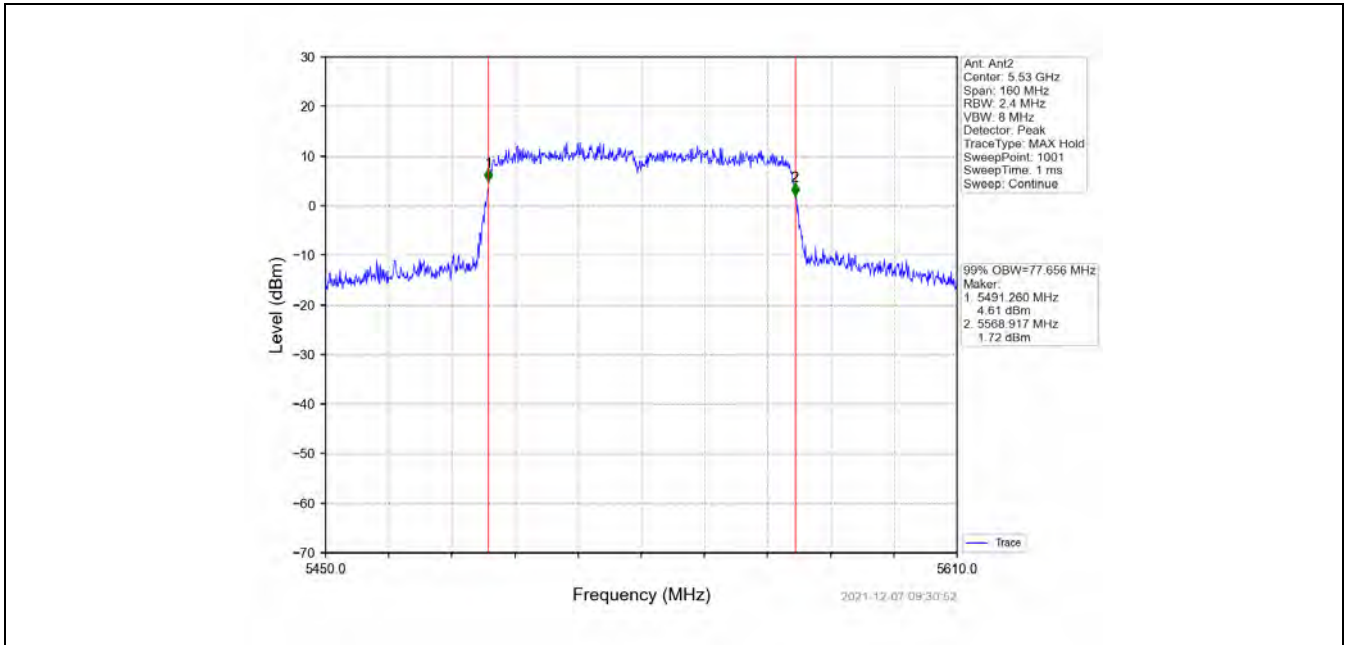


802.11ac(VHT80)_LCH_5530MHz_Ant2_NTNV

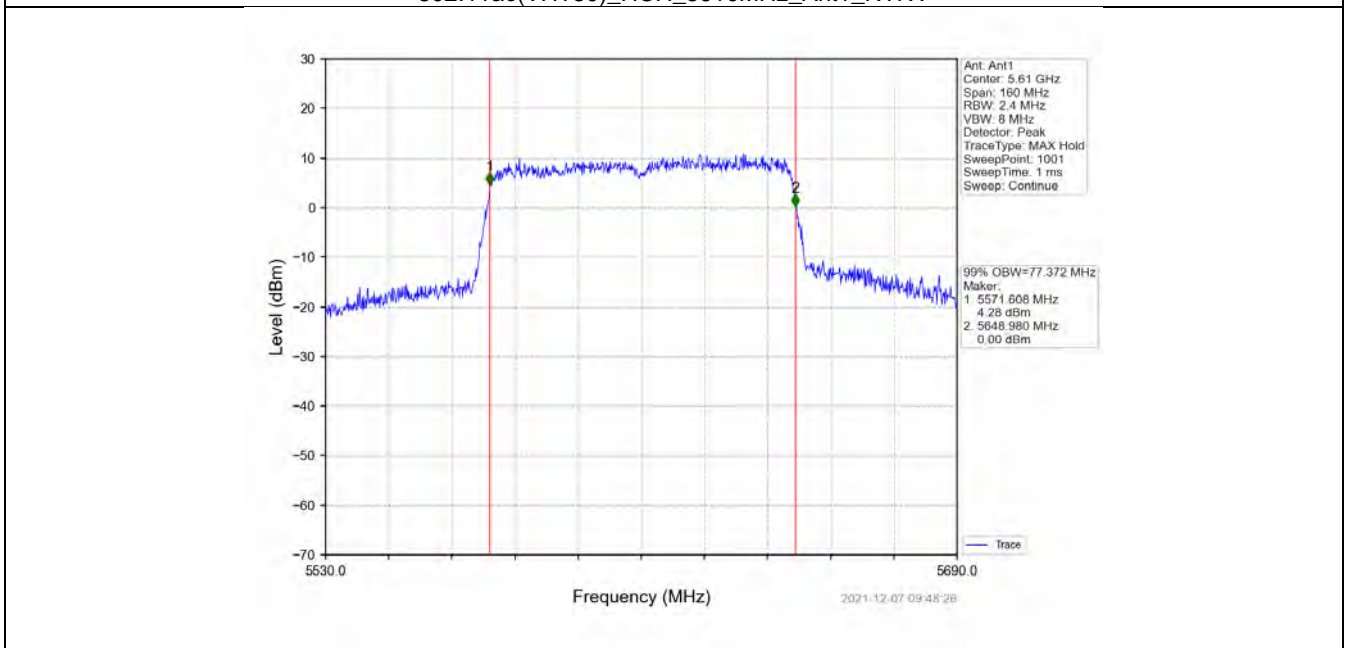


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802.11ac(VHT80)_HCH_5610MHz_Ant1_NTNV

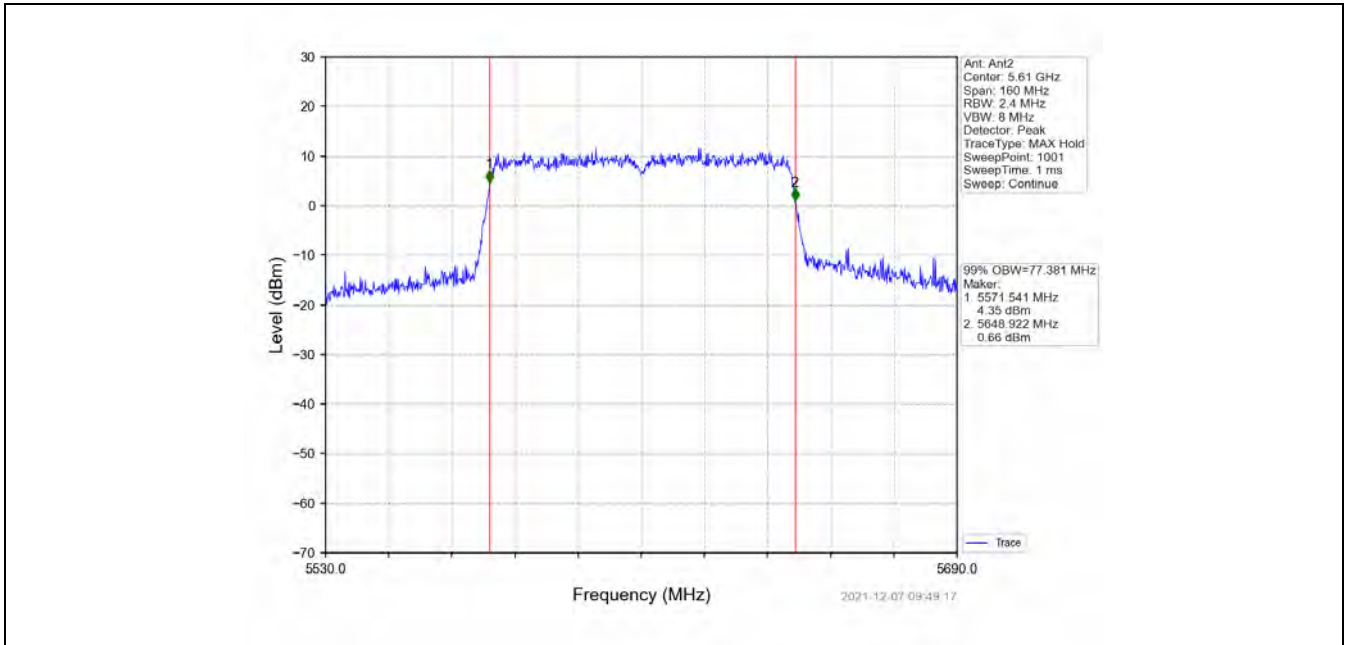


802.11ac(VHT80)_HCH_5610MHz_Ant2_NTNV

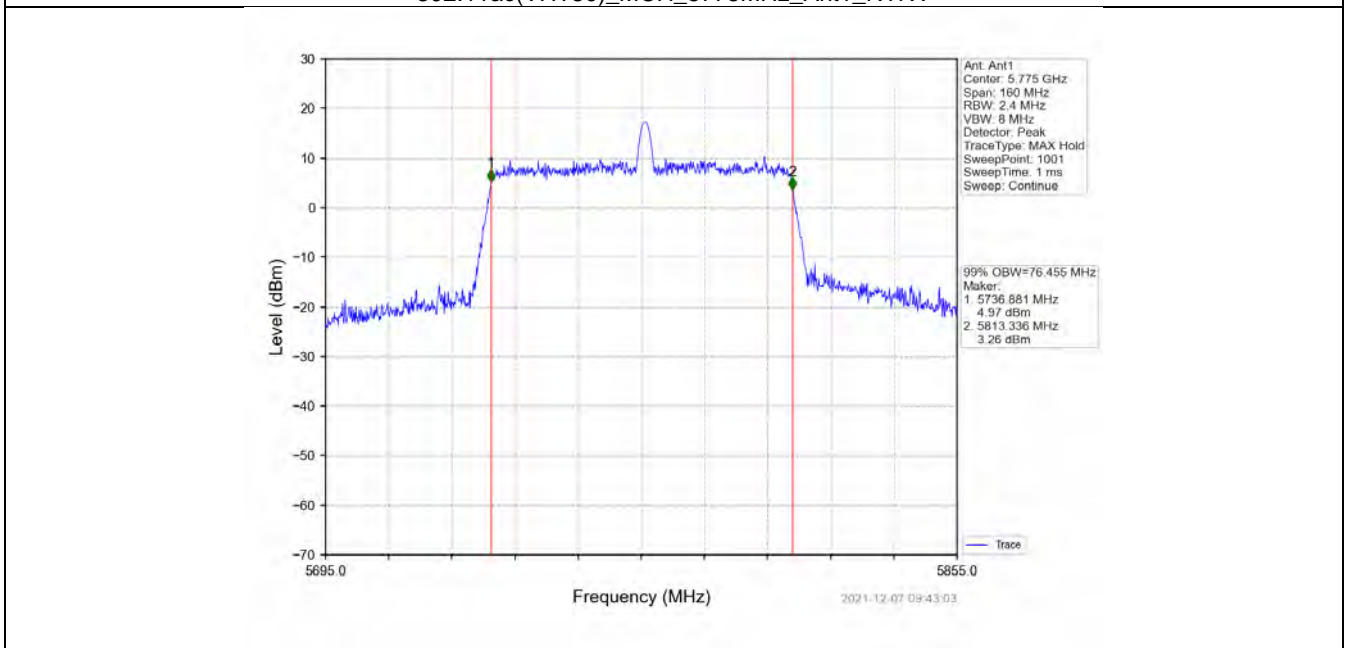


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802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV

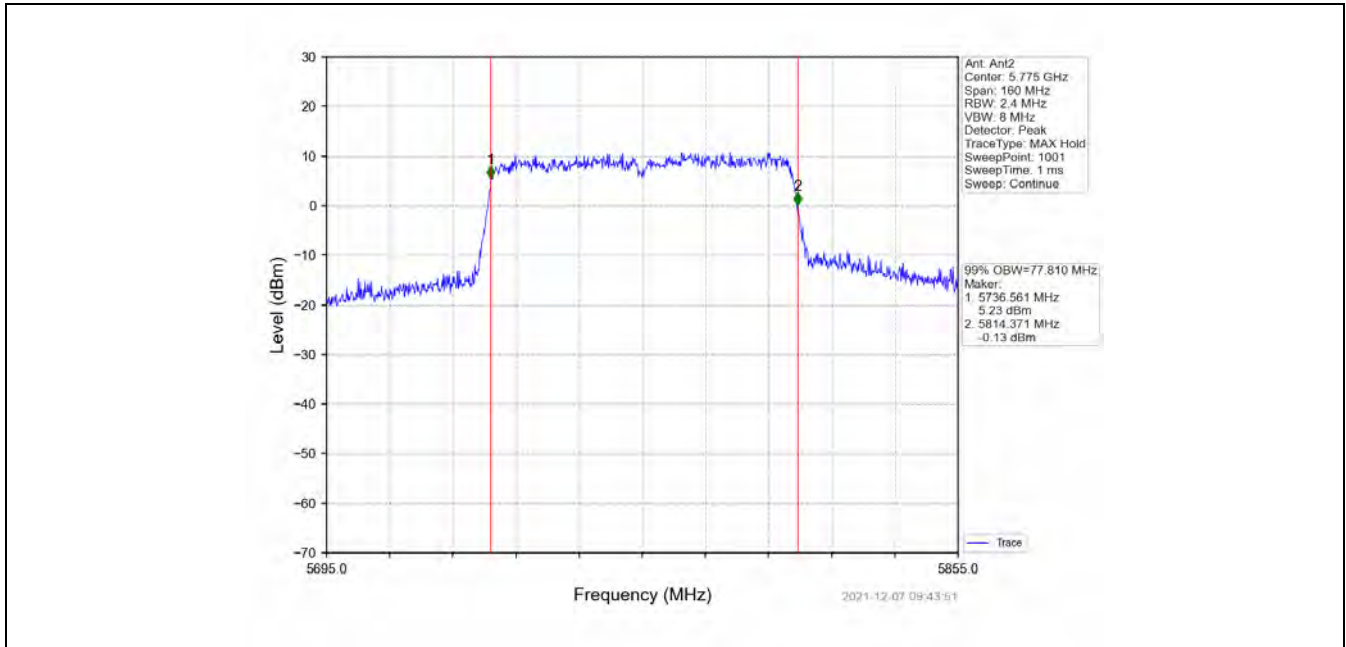


802.11ac(VHT80)_MCH_5775MHz_Ant2_NTNV



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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	16.339	>=0.5	Pass
			2	16.348	>=0.5	Pass
		5785	1	16.086	>=0.5	Pass
			2	16.329	>=0.5	Pass
		5825	1	16.340	>=0.5	Pass
			2	16.360	>=0.5	Pass
802.11n (HT20)	MIMO	5745	1	17.216	>=0.5	Pass
			2	17.586	>=0.5	Pass
		5785	1	17.108	>=0.5	Pass
			2	17.594	>=0.5	Pass
		5825	1	17.039	>=0.5	Pass
			2	17.586	>=0.5	Pass
802.11n (HT40)	MIMO	5755	1	36.379	>=0.5	Pass
			2	36.371	>=0.5	Pass
		5795	1	36.311	>=0.5	Pass
			2	36.366	>=0.5	Pass
802.11ac (VHT20)	MIMO	5745	1	17.586	>=0.5	Pass
			2	17.572	>=0.5	Pass
		5785	1	17.542	>=0.5	Pass
			2	17.573	>=0.5	Pass
		5825	1	17.057	>=0.5	Pass
			2	17.592	>=0.5	Pass
802.11ac (VHT40)	MIMO	5755	1	36.375	>=0.5	Pass
			2	36.409	>=0.5	Pass

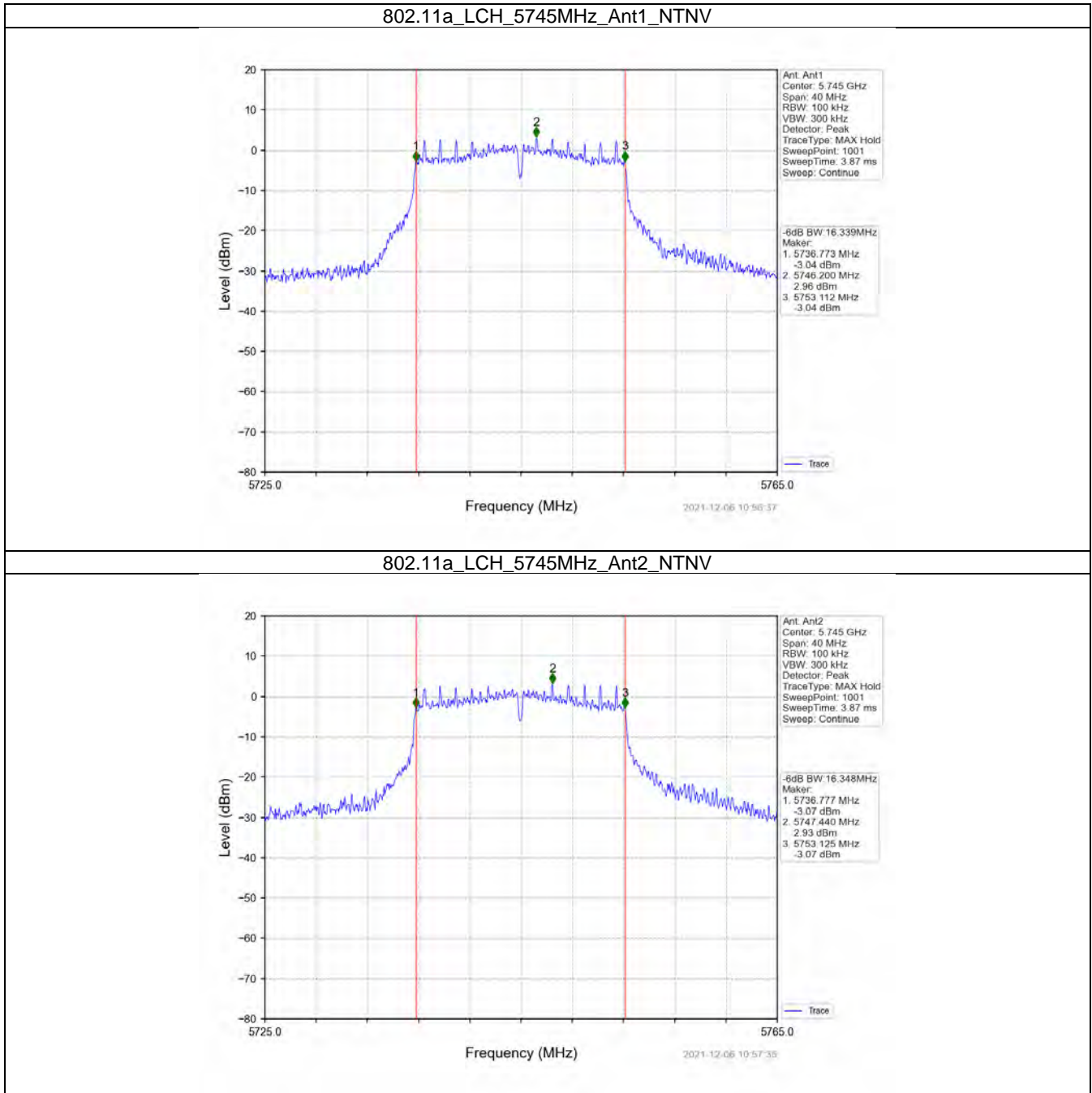


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		5795	1	36.310	≥ 0.5	Pass
			2	36.354	≥ 0.5	Pass
802.11ac (VHT80)	MIMO	5775	1	76.313	≥ 0.5	Pass
			2	76.364	≥ 0.5	Pass

2.2.2 Test Graph

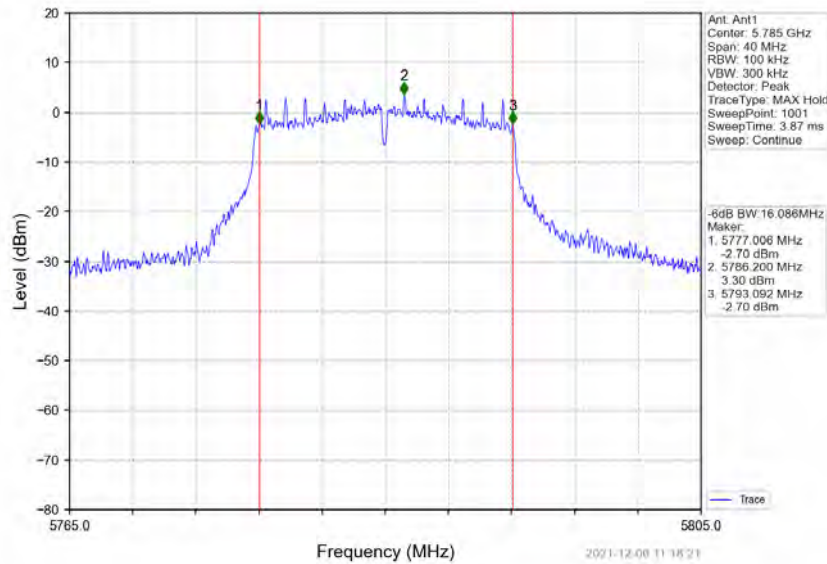


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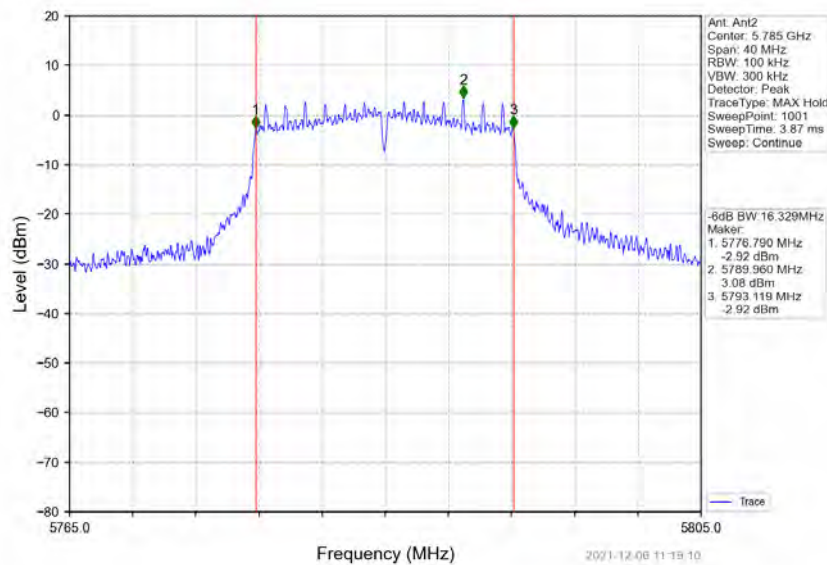
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802.11a_MCH_5785MHz_Ant1_NTNV



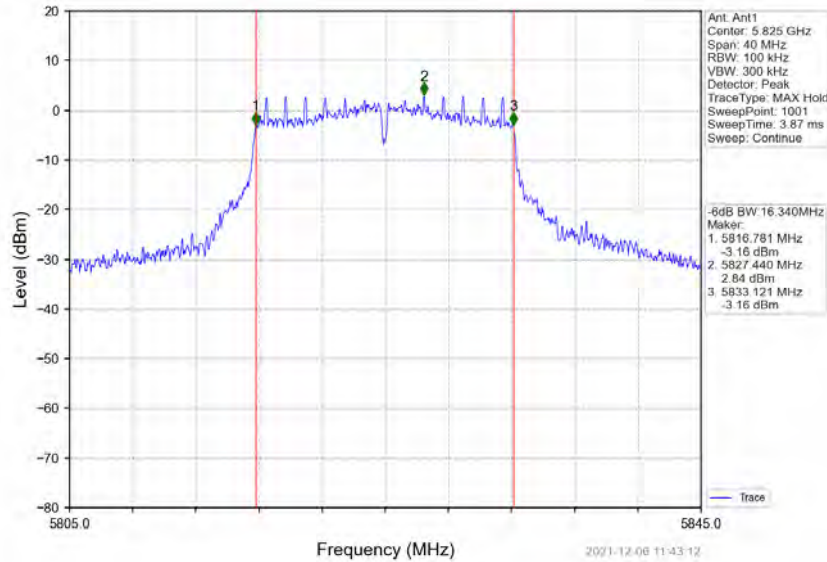
802.11a_MCH_5785MHz_Ant2_NTNV



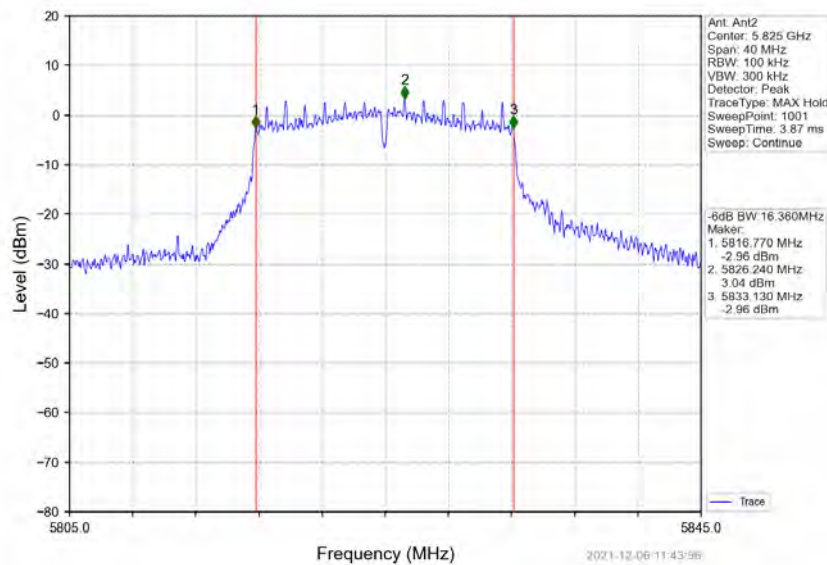
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802.11a_HCH_5825MHz_Ant1_NTNV



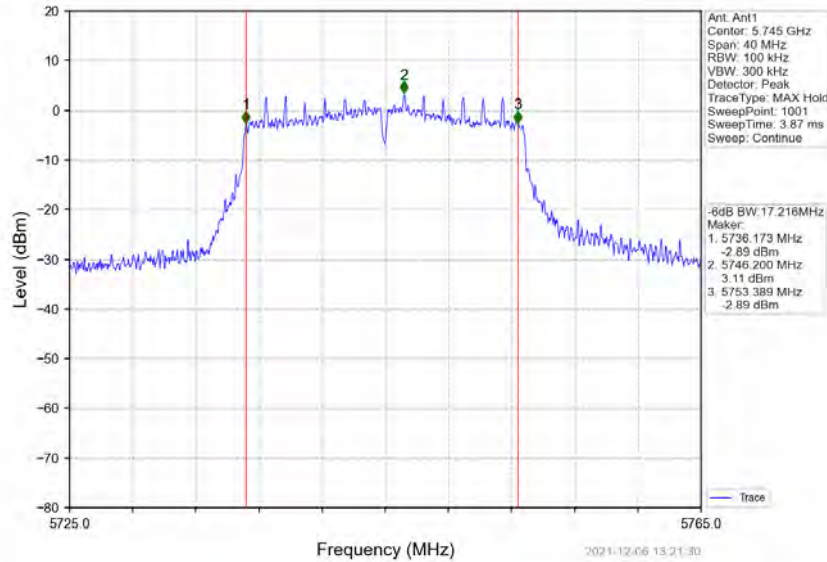
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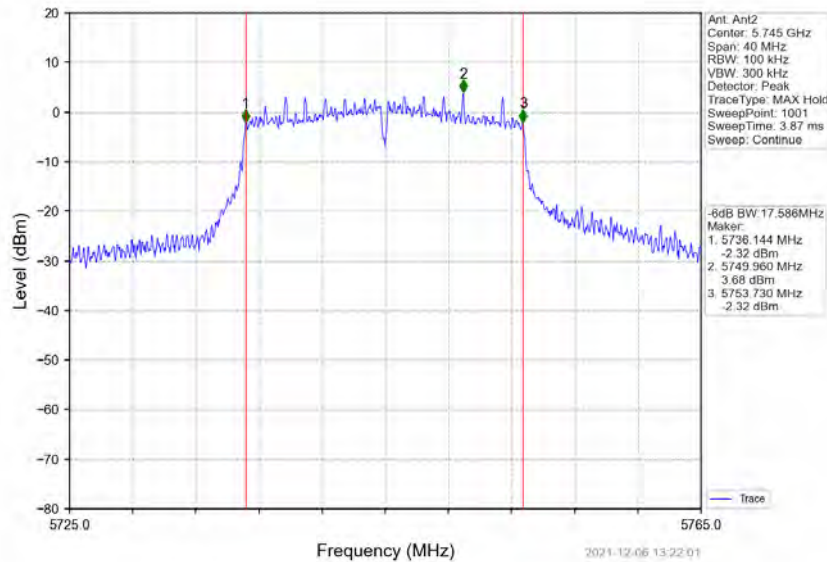
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802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



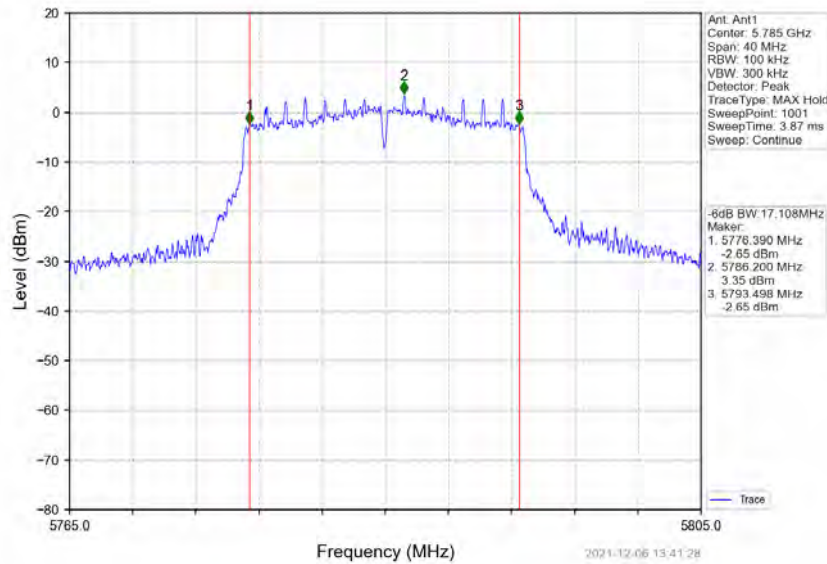
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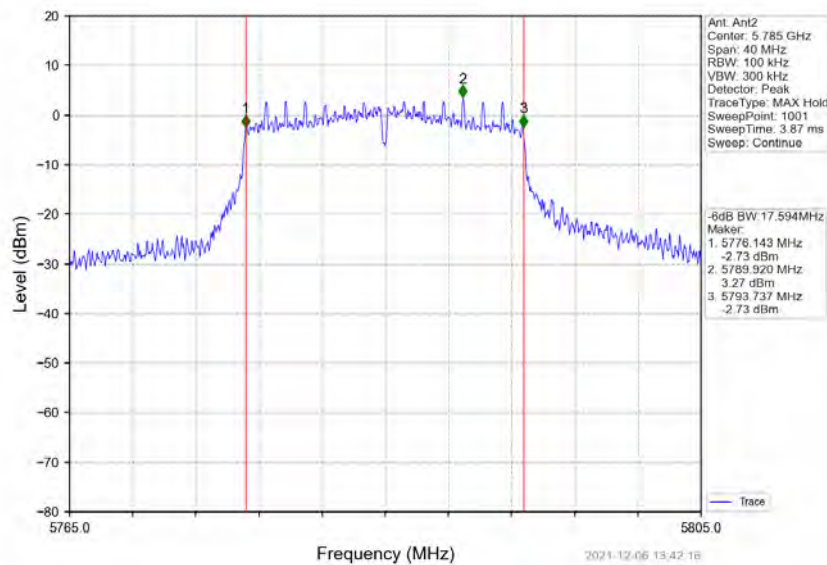
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802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



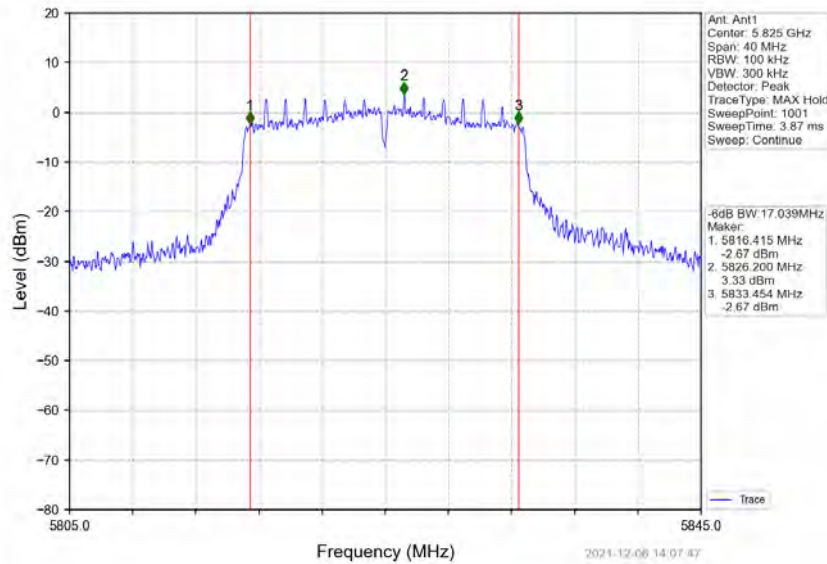
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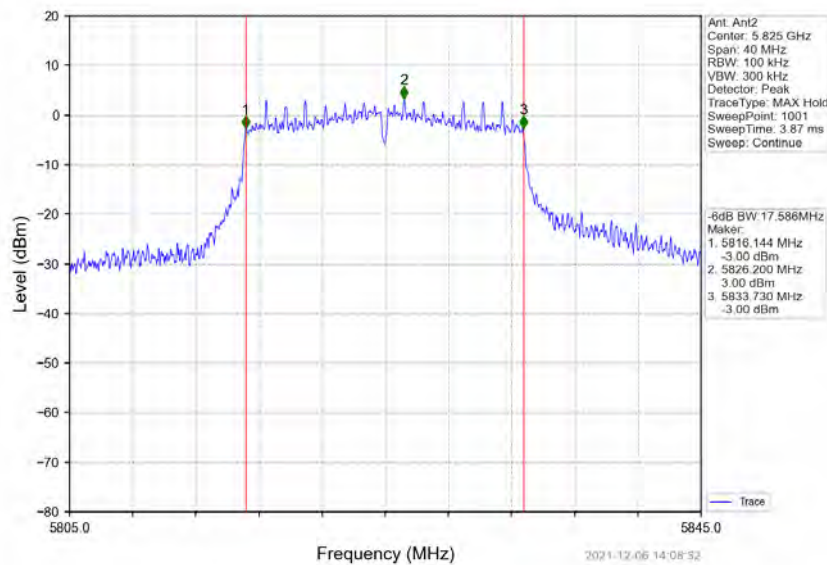
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802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



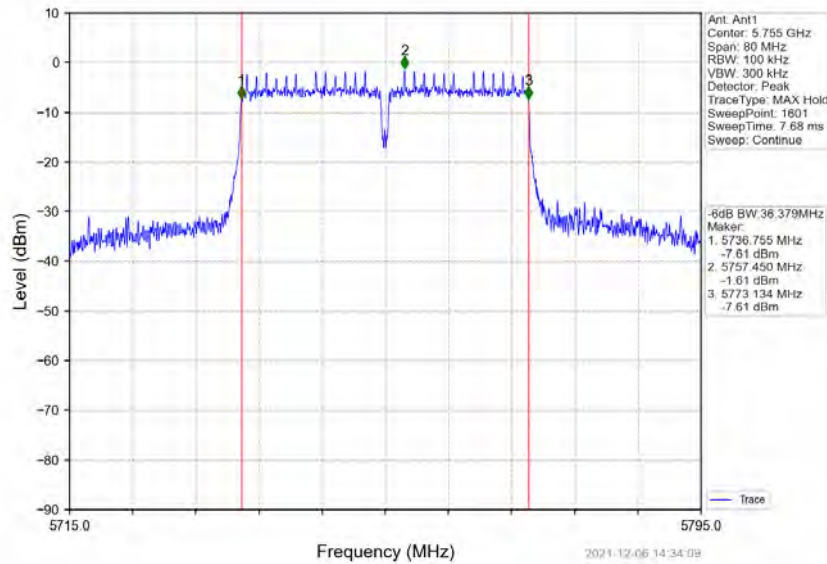
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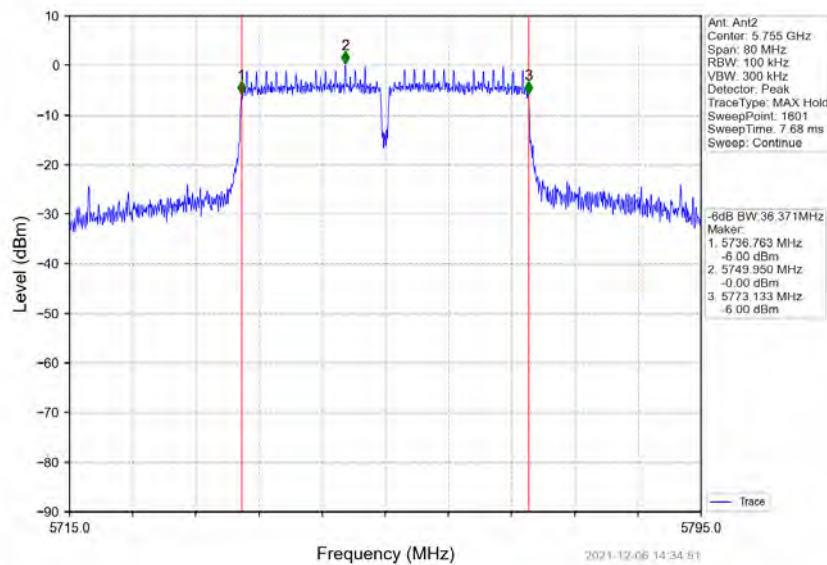
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802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



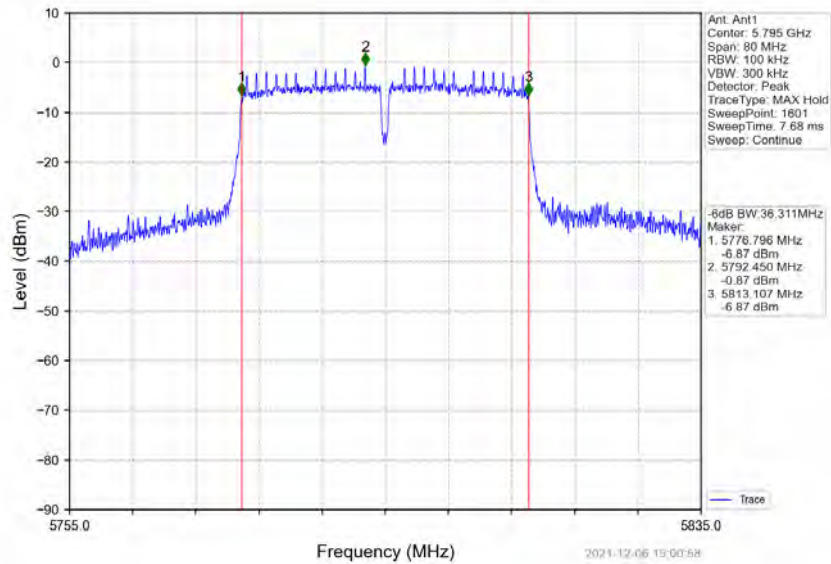
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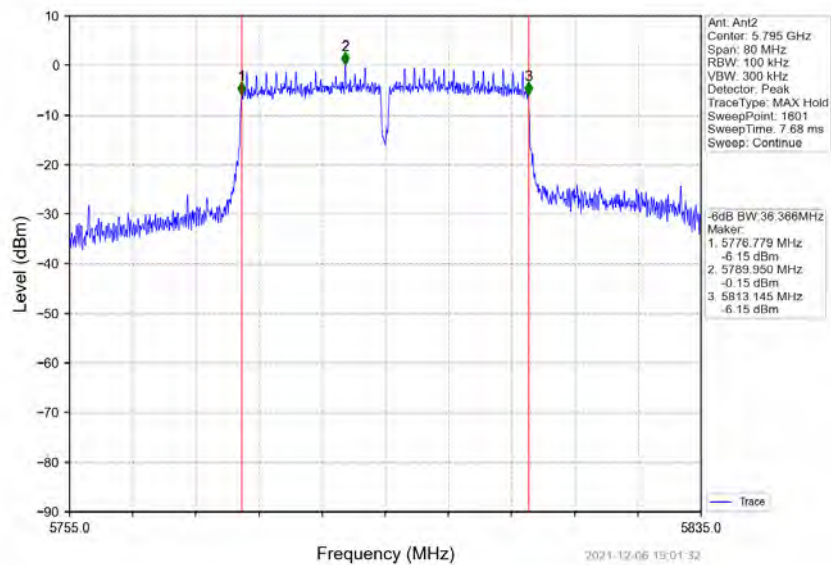
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802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



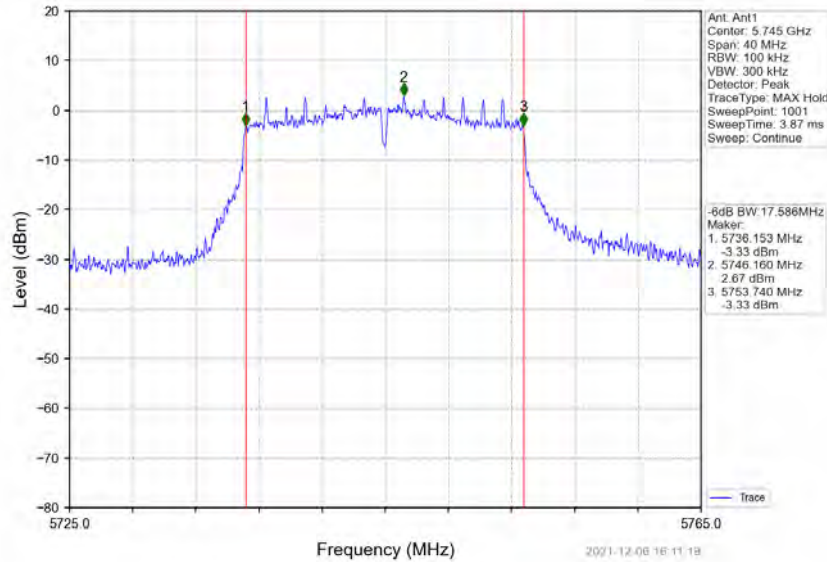
802.11n(HT40)_HCH_5795MHz_Ant2_NTNV



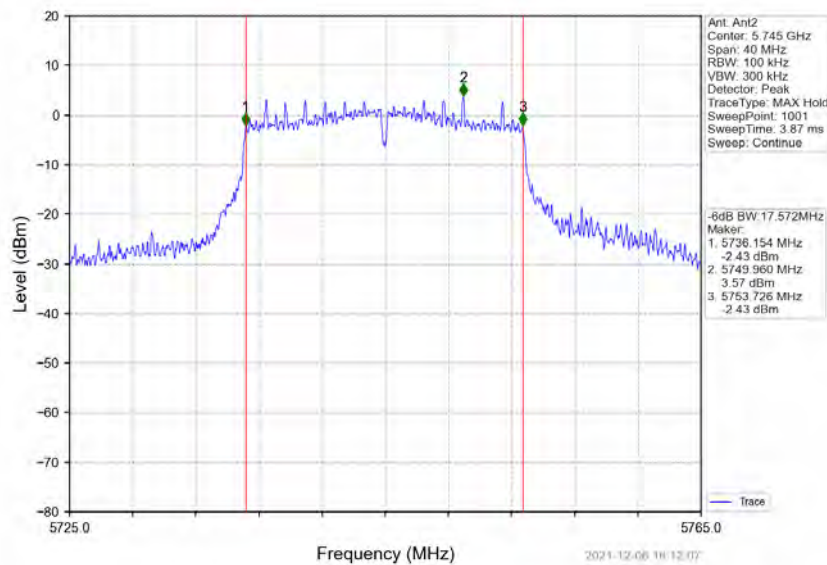
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802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



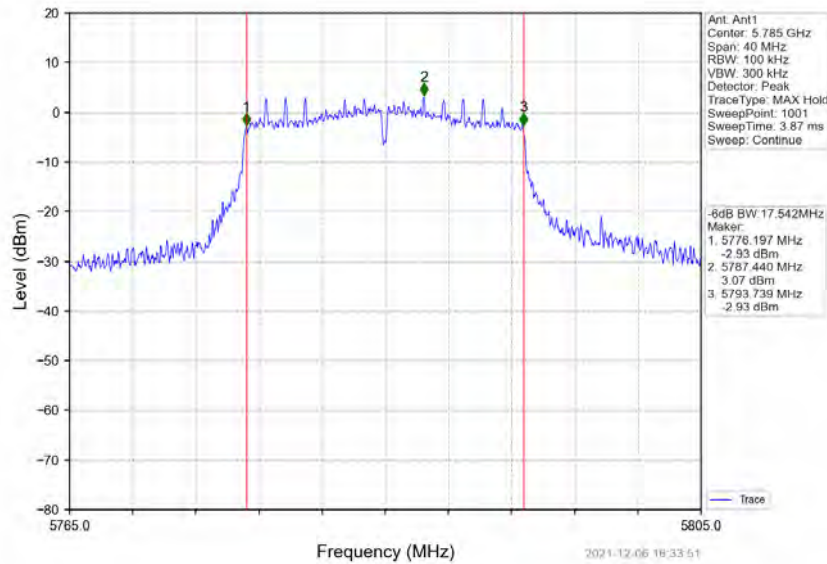
802.11ac(VHT20)_LCH_5745MHz_Ant2_NTNV



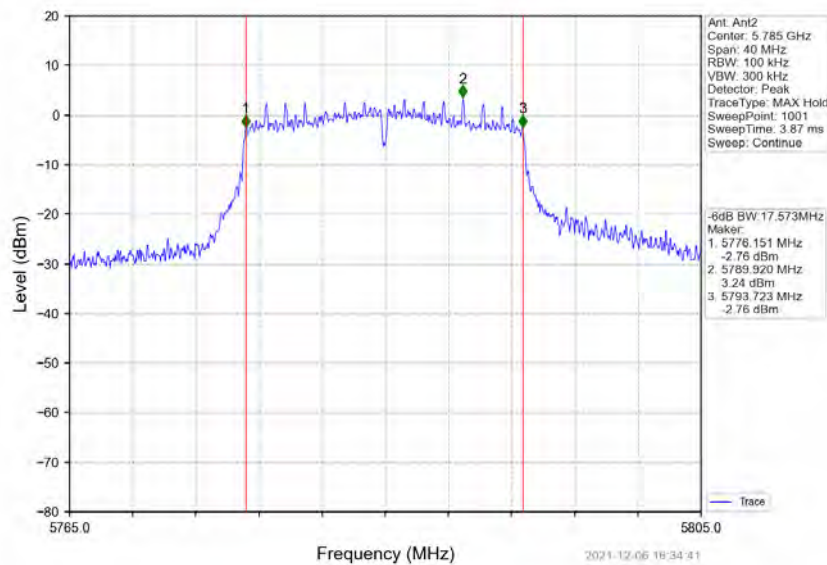
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802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



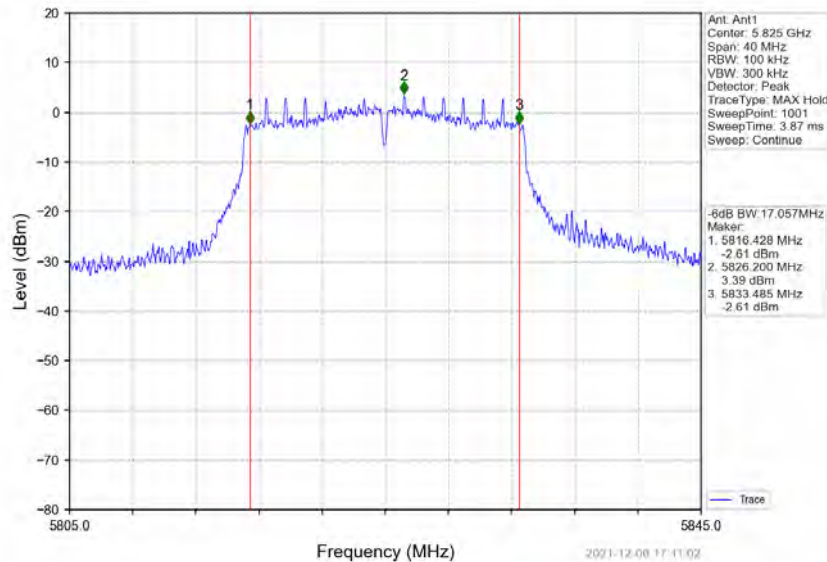
802.11ac(VHT20)_MCH_5785MHz_Ant2_NTNV



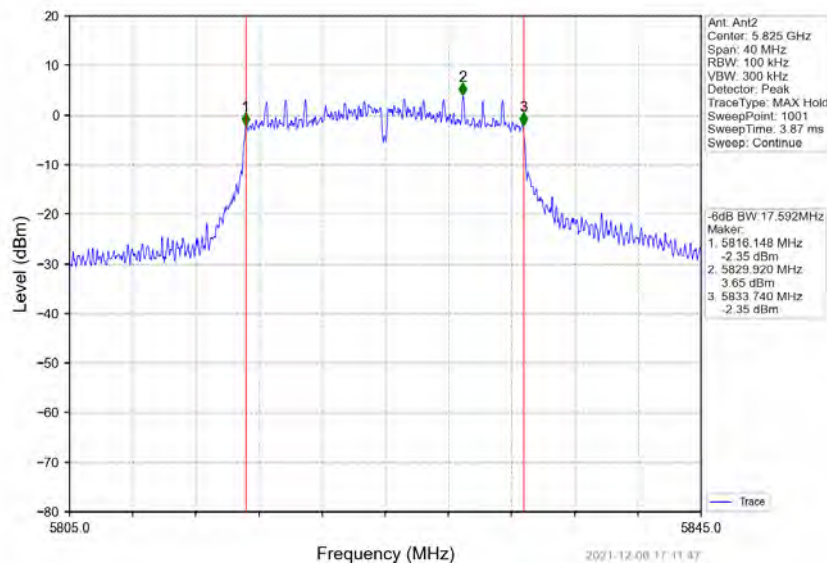
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802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



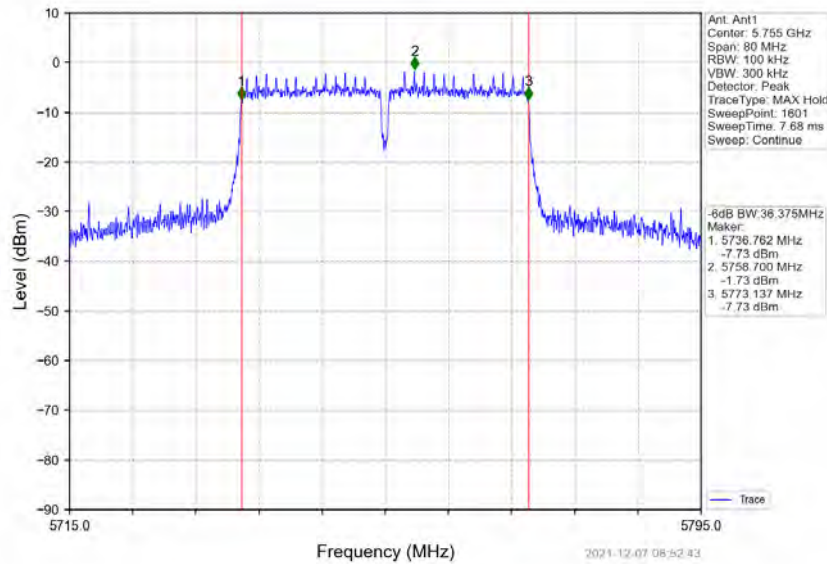
802.11ac(VHT20)_HCH_5825MHz_Ant2_NTNV



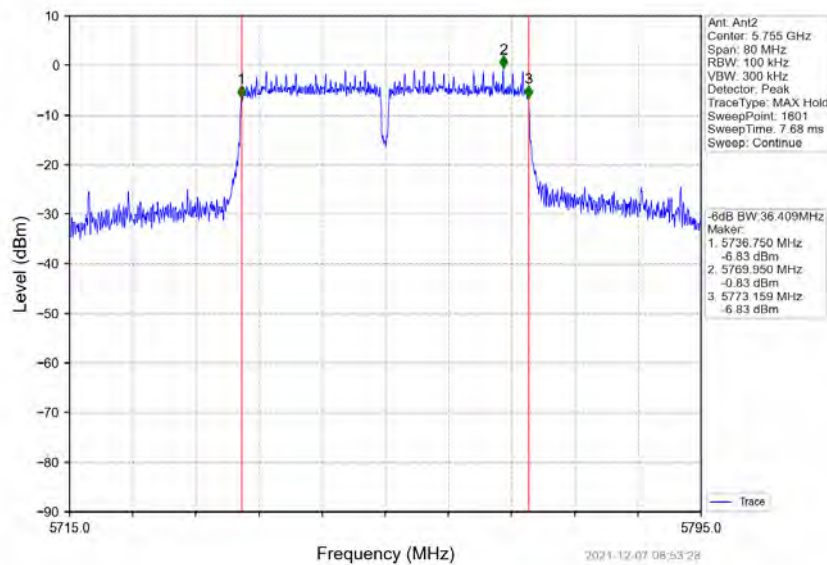
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802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



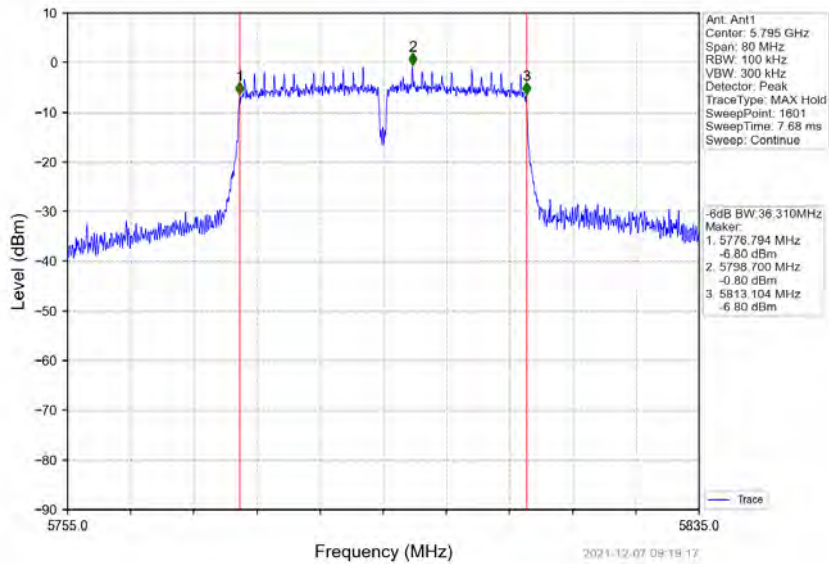
802.11ac(VHT40)_LCH_5755MHz_Ant2_NTNV



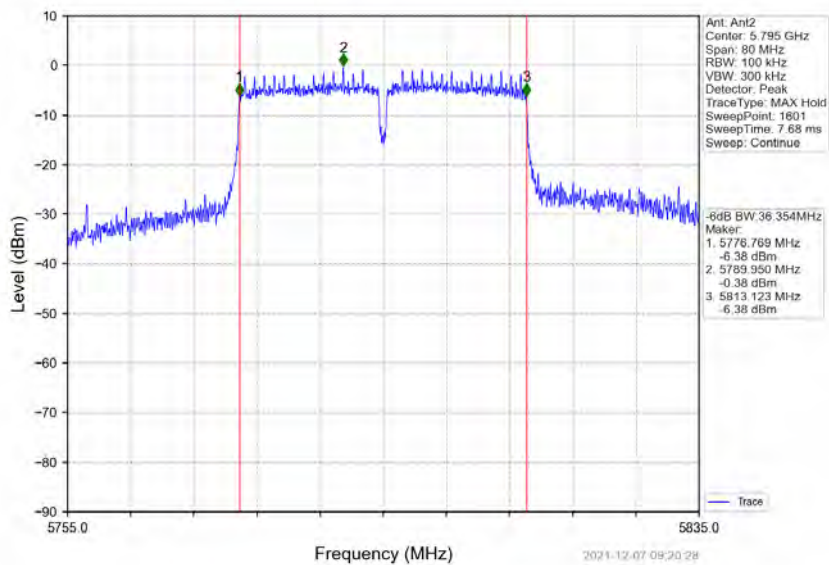
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802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



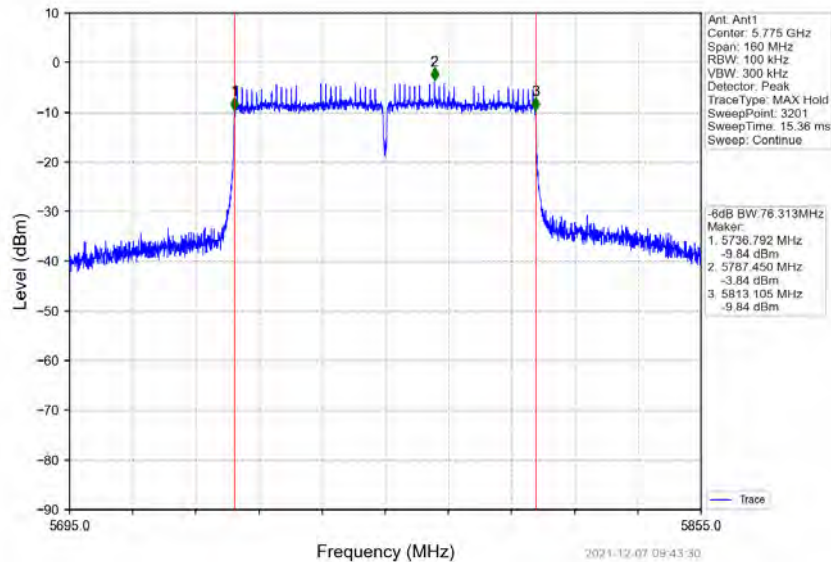
802.11ac(VHT40)_HCH_5795MHz_Ant2_NTNV



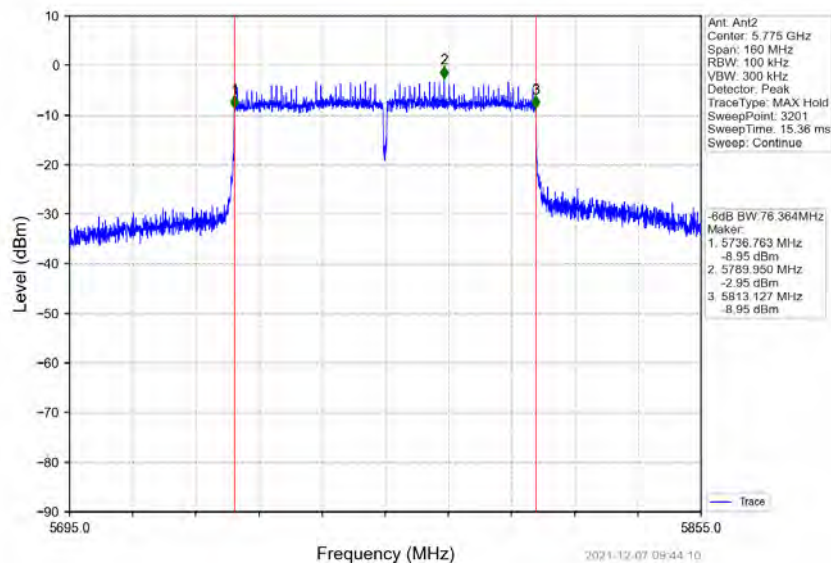
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802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant2_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	32.248	Pass
			2	31.212	Pass
		5200	1	32.605	Pass
			2	26.314	Pass
		5240	1	30.407	Pass
			2	27.095	Pass
		5260	1	34.129	Pass
			2	27.673	Pass
		5300	1	29.672	Pass
			2	27.376	Pass
		5320	1	31.159	Pass
			2	27.218	Pass
		5500	1	33.709	Pass
			2	30.152	Pass
		5580	1	29.585	Pass
			2	27.584	Pass
		5700	1	29.846	Pass
			2	32.282	Pass
802.11n (HT20)	MIMO	5180	1	35.738	Pass
			2	34.364	Pass
		5200	1	38.462	Pass
			2	29.884	Pass
		5240	1	36.698	Pass
			2	30.098	Pass
		5260	1	35.606	Pass
			2	30.064	Pass
		5300	1	37.661	Pass
			2	31.593	Pass
		5320	1	39.182	Pass
			2	29.856	Pass
		5500	1	33.719	Pass
			2	26.528	Pass
		5580	1	45.122	Pass
			2	30.099	Pass
		5700	1	42.276	Pass
			2	35.989	Pass
802.11n (HT40)	MIMO	5190	1	86.736	Pass
			2	80.317	Pass
		5230	1	85.763	Pass
			2	74.455	Pass
		5270	1	73.707	Pass
			2	83.598	Pass
		5310	1	80.678	Pass
			2	77.693	Pass
		5510	1	72.070	Pass
			2	84.867	Pass
		5550	1	71.164	Pass
			2	84.675	Pass
5670	1	64.331	Pass		



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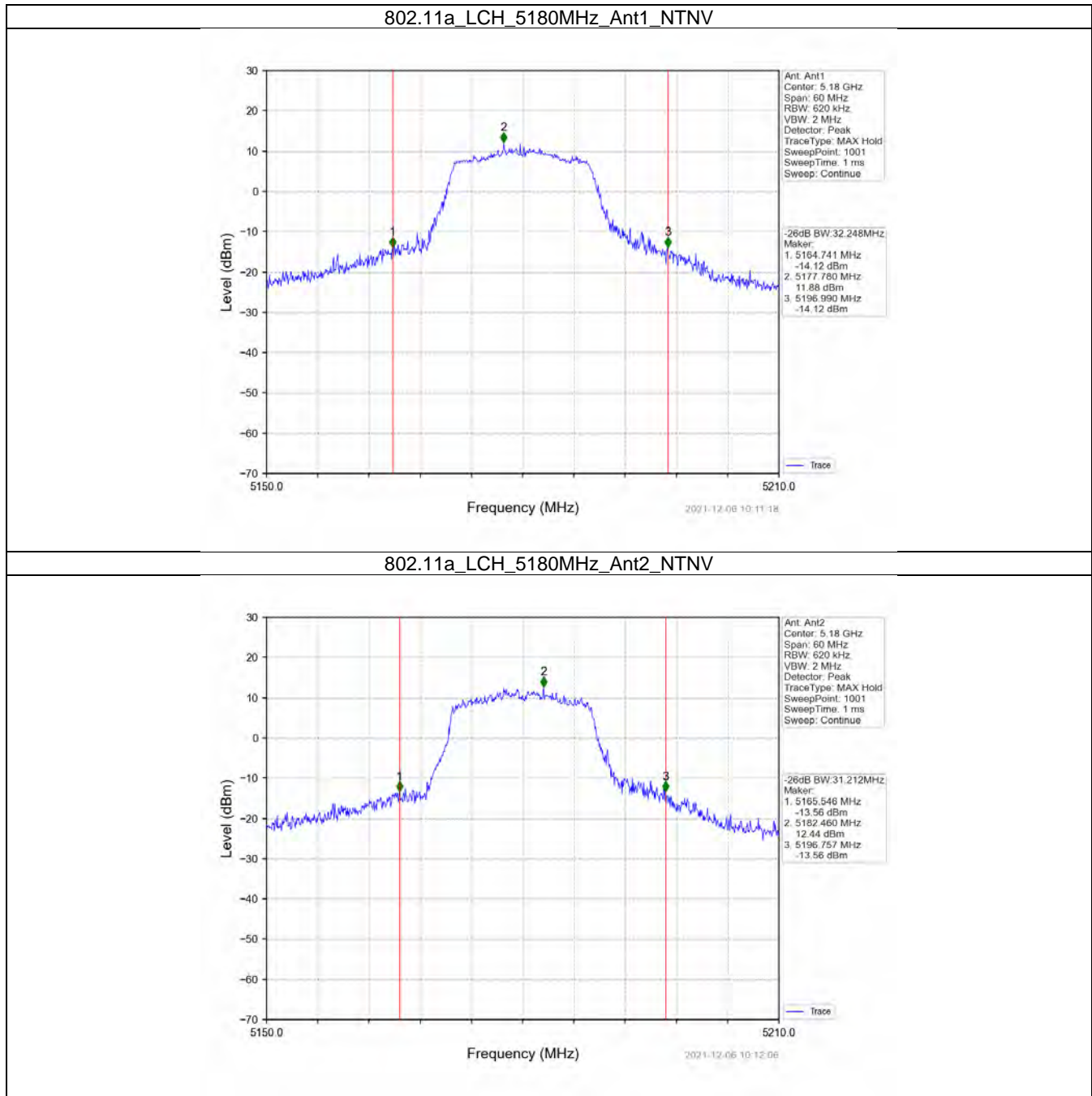
802.11ac (VHT20)	MIMO	5180	2	78.742	Pass	
			1	35.427	Pass	
		5200	2	30.428	Pass	
			1	39.946	Pass	
		5240	2	32.335	Pass	
			1	44.046	Pass	
		5260	2	37.704	Pass	
			1	37.641	Pass	
		5300	2	38.844	Pass	
			1	41.121	Pass	
		5320	2	34.744	Pass	
			1	39.108	Pass	
		5500	2	30.403	Pass	
			1	32.421	Pass	
		5580	2	33.741	Pass	
1	39.388		Pass			
5700	2	29.124	Pass			
	1	36.698	Pass			
802.11ac (VHT40)	MIMO	5190	2	29.184	Pass	
			1	84.828	Pass	
		5230	2	83.074	Pass	
			1	90.644	Pass	
		5270	2	83.635	Pass	
			1	80.213	Pass	
		5310	2	90.927	Pass	
			1	78.882	Pass	
		5510	2	72.338	Pass	
			1	79.204	Pass	
		5550	2	83.457	Pass	
			1	79.996	Pass	
		5670	2	89.900	Pass	
			1	55.087	Pass	
		802.11ac (VHT80)	MIMO	5210	2	80.295
1	169.852				Pass	
5290	2			137.670	Pass	
	1			146.709	Pass	
5530	2			162.855	Pass	
	1			159.131	Pass	
5610	2			166.360	Pass	
	1			156.587	Pass	
				2	157.637	Pass



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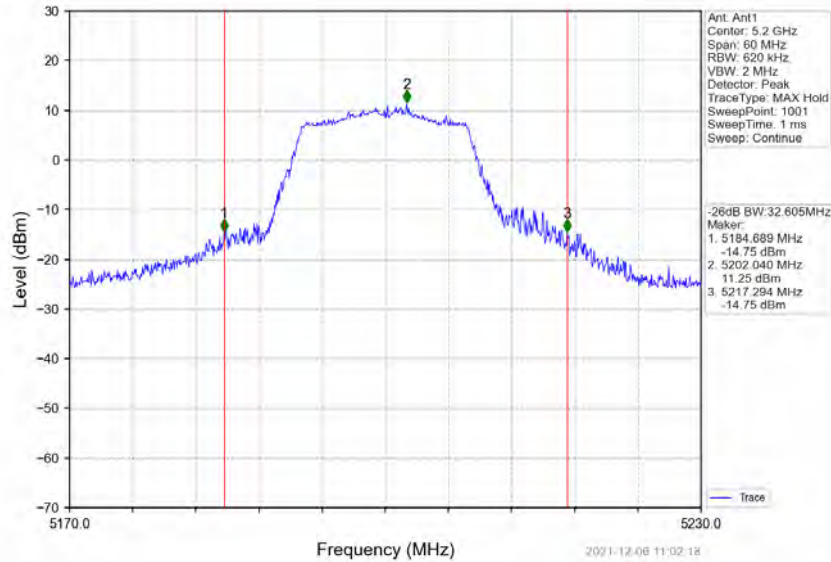
2.3.2 Test Graph



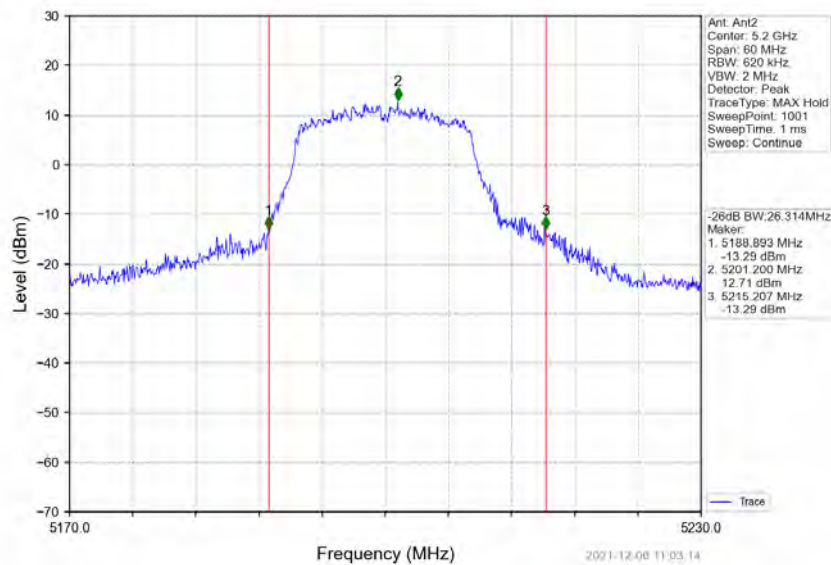
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802.11a_MCH_5200MHz_Ant1_NTNV



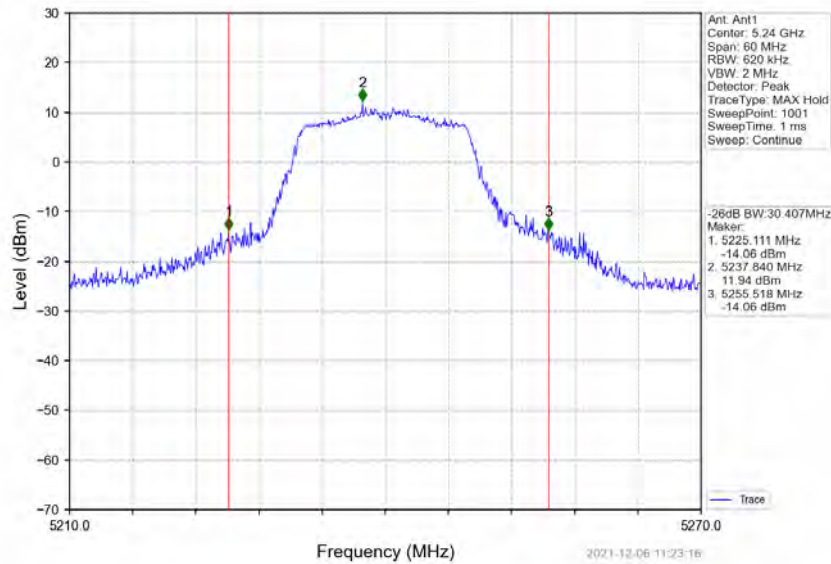
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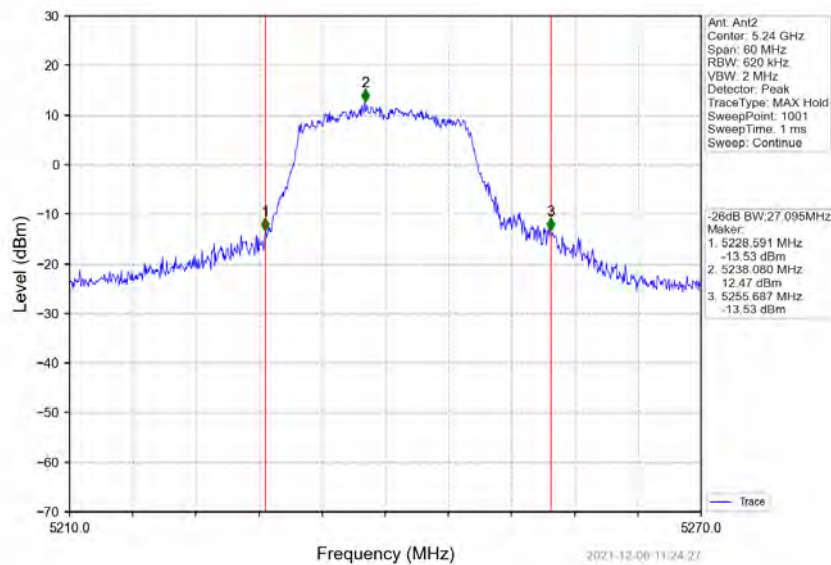
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802.11a_HCH_5240MHz_Ant1_NTNV



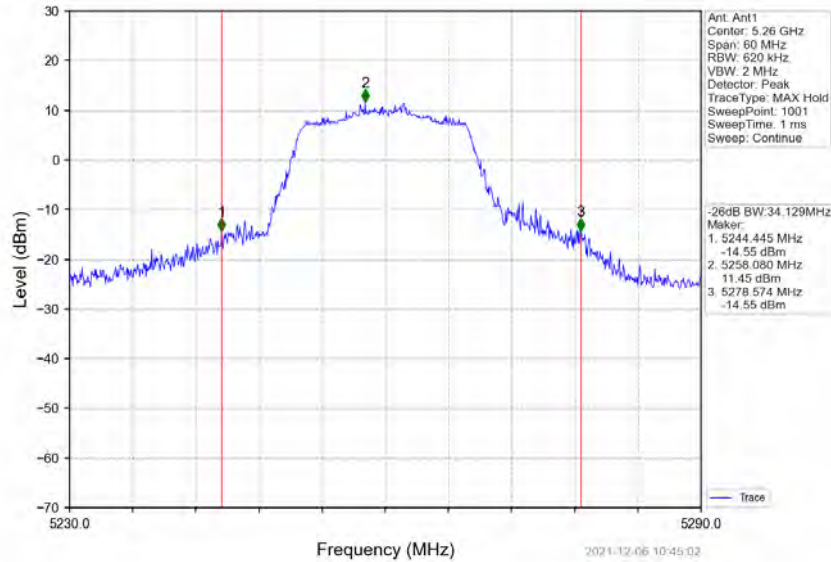
802.11a_HCH_5240MHz_Ant2_NTNV



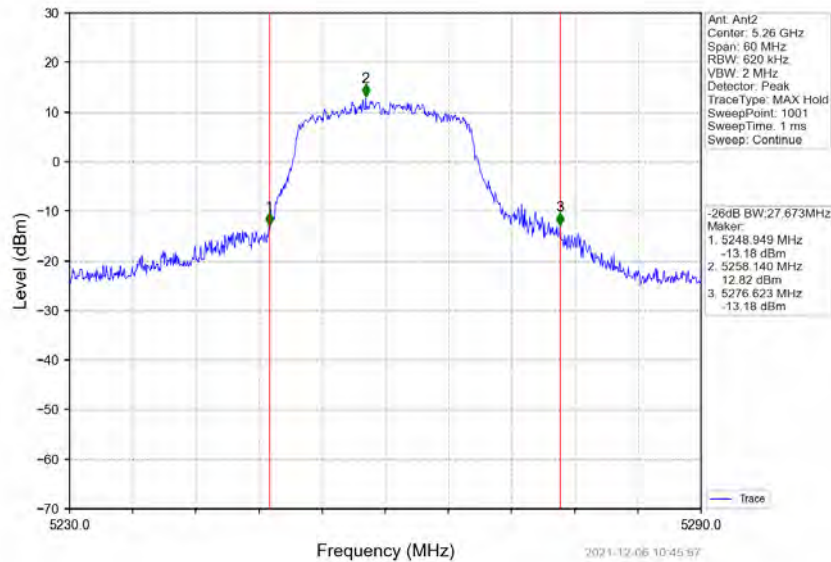
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802.11a_LCH_5260MHz_Ant1_NTNV



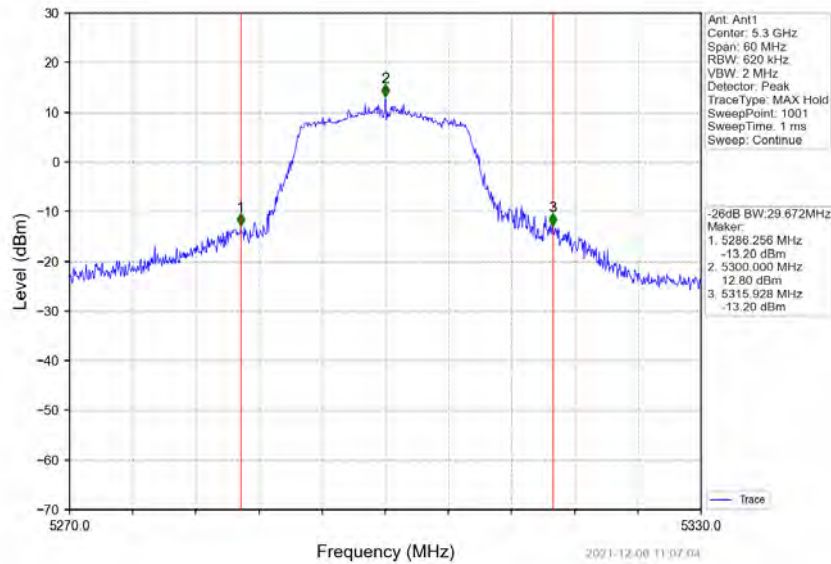
802.11a_LCH_5260MHz_Ant2_NTNV



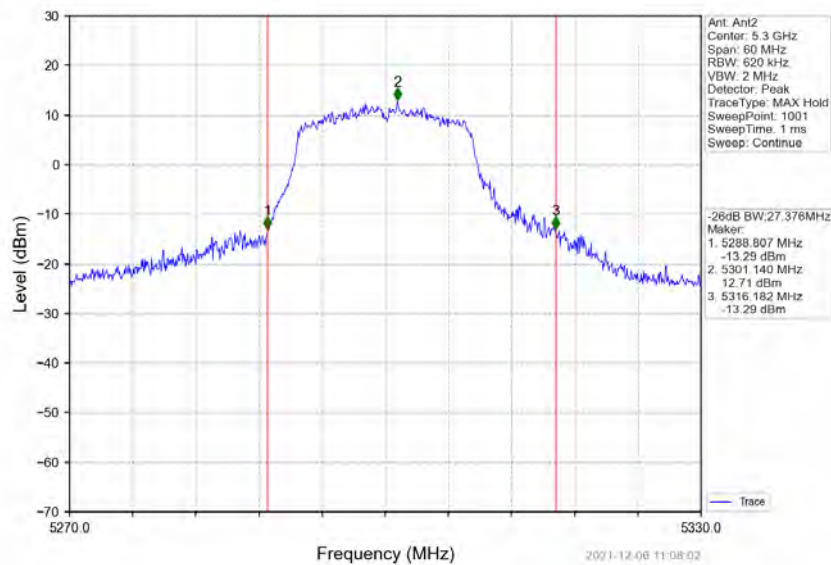
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802.11a_MCH_5300MHz_Ant1_NTNV



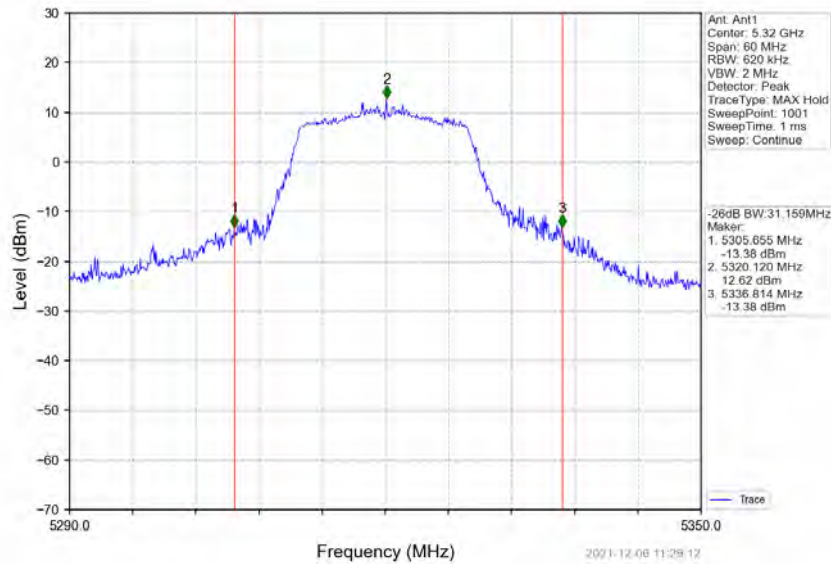
802.11a_MCH_5300MHz_Ant2_NTNV



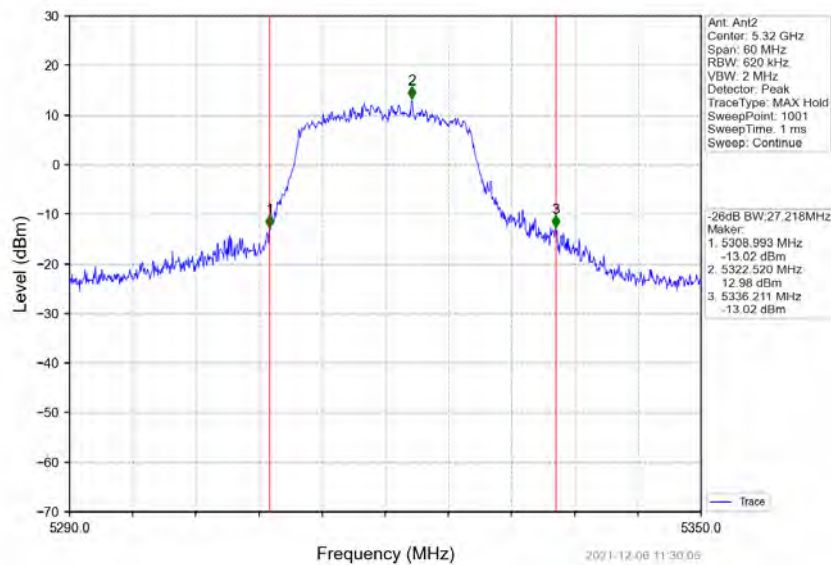
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802.11a_HCH_5320MHz_Ant1_NTNV



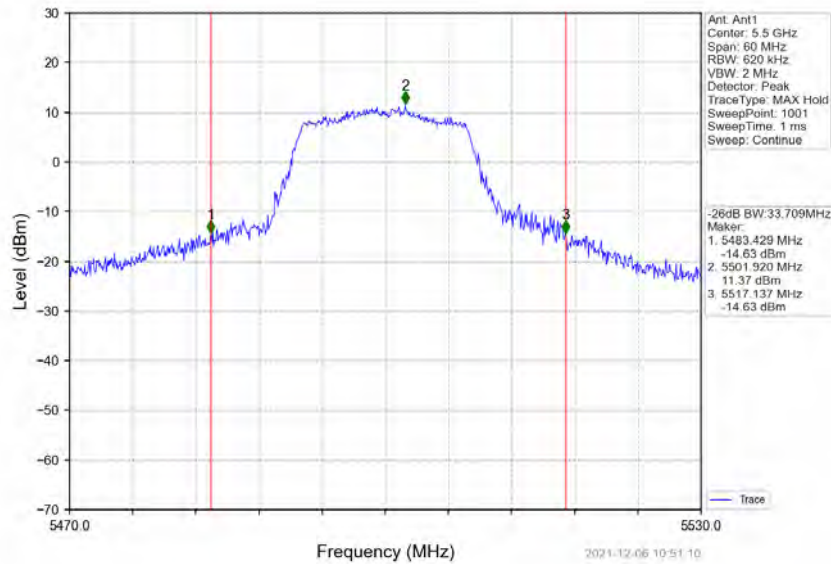
802.11a_HCH_5320MHz_Ant2_NTNV



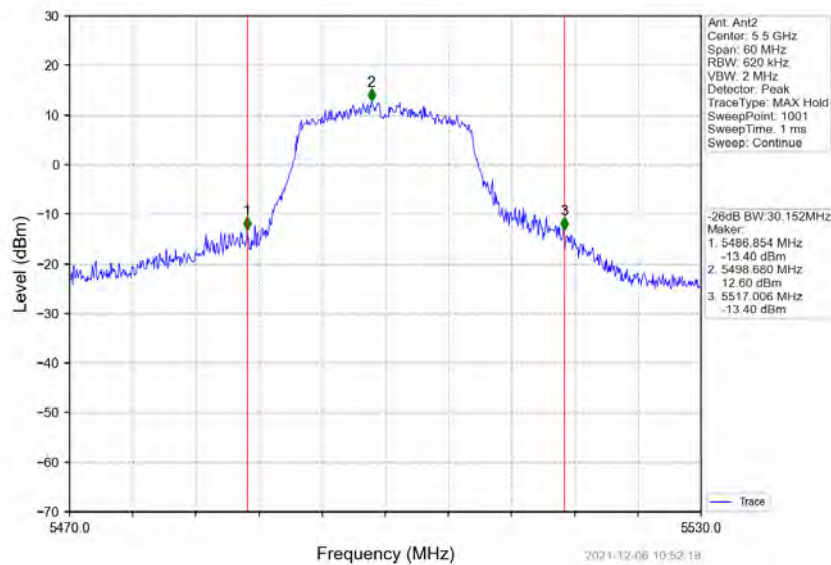
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802.11a_LCH_5500MHz_Ant1_NTNV



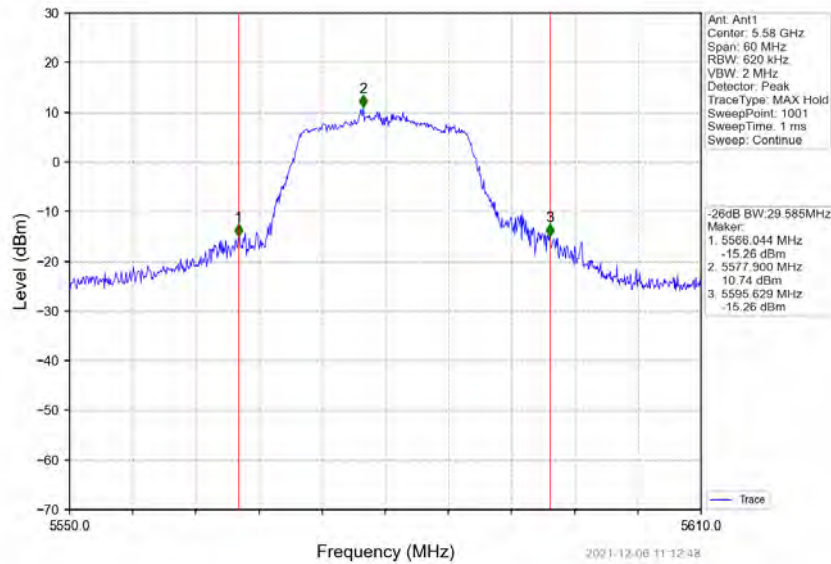
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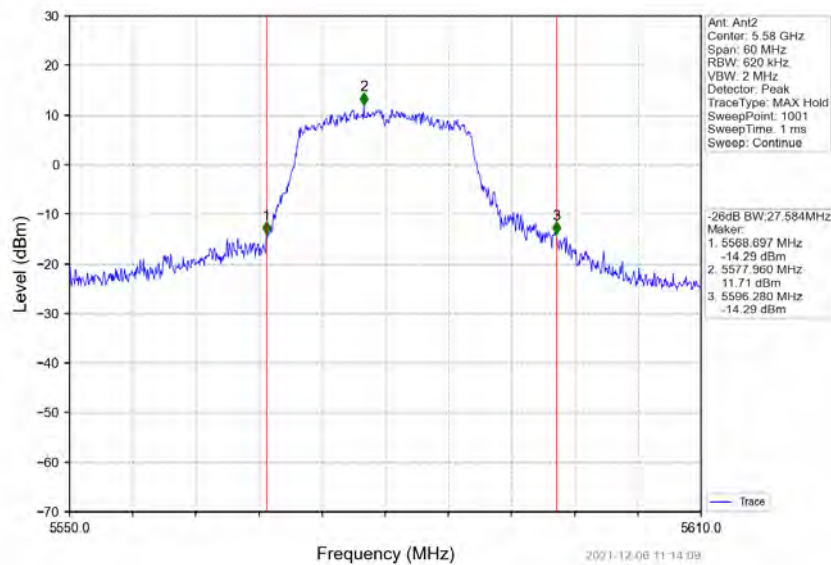
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802.11a_MCH_5580MHz_Ant1_NTNV



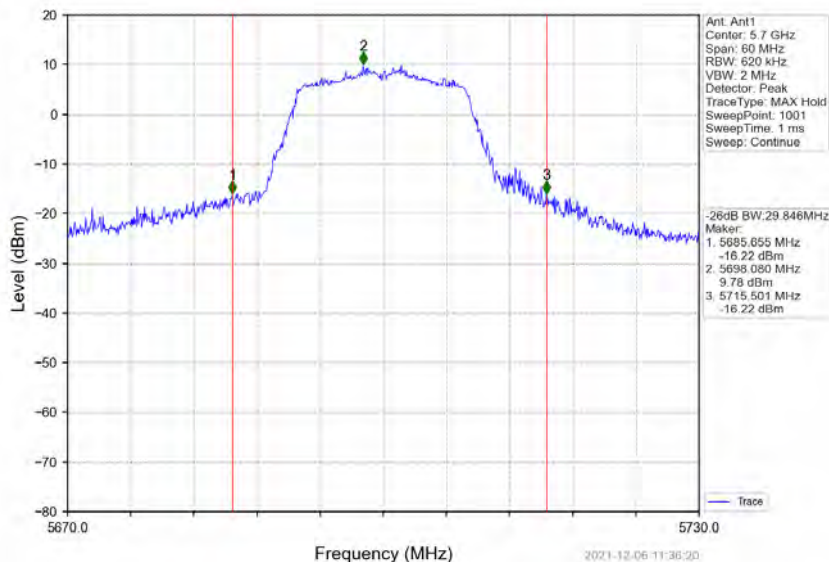
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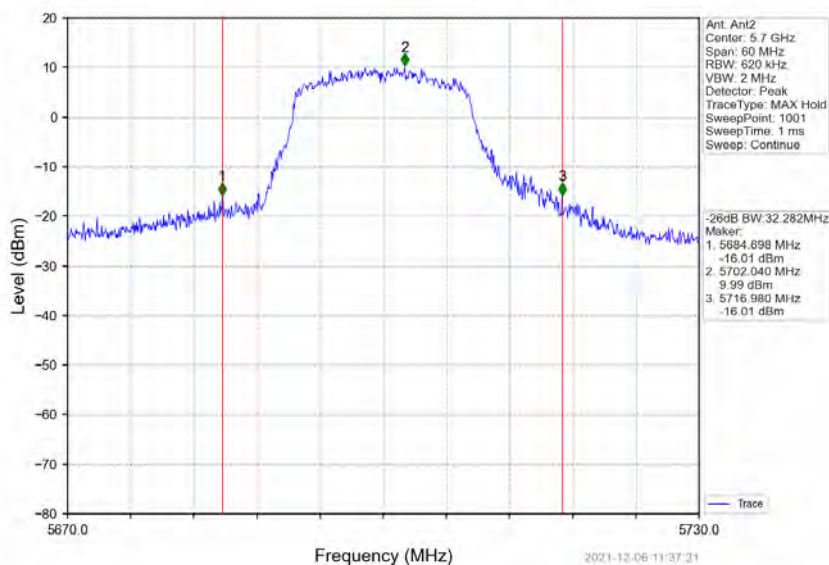
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802.11a_HCH_5700MHz_Ant1_NTNV



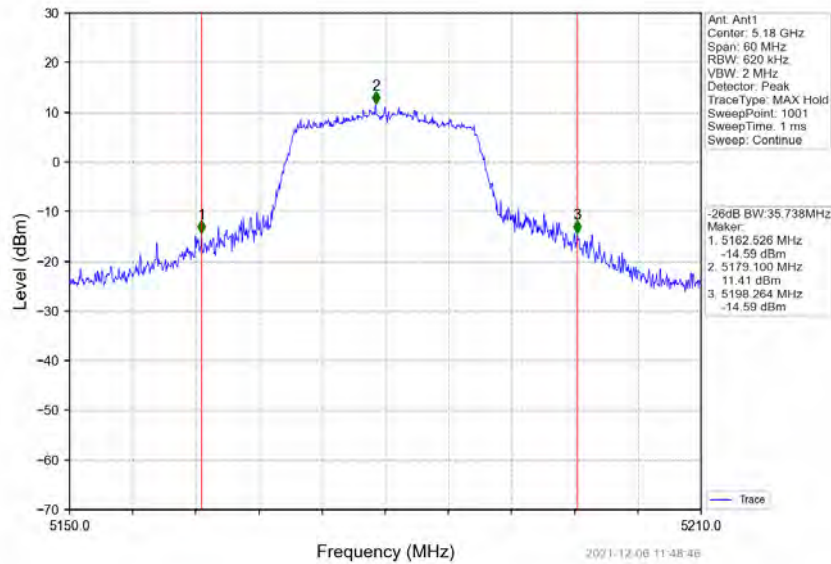
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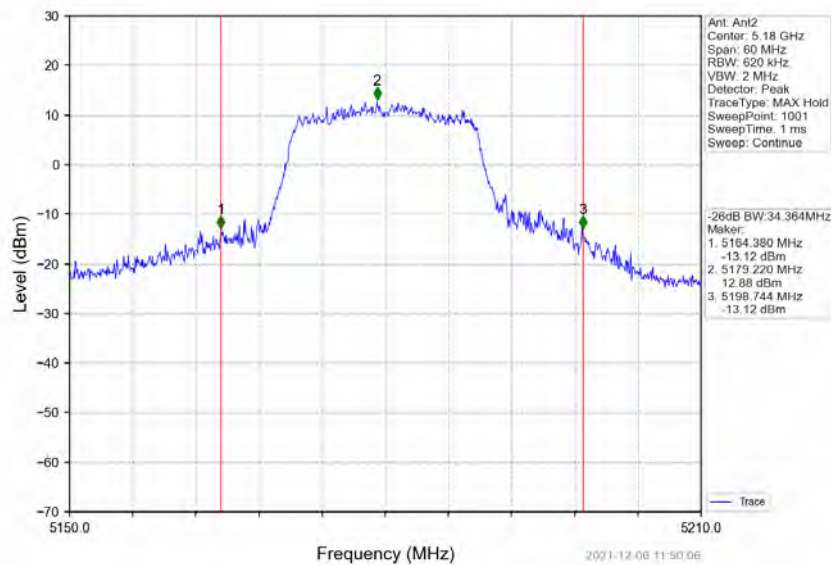
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802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



802.11n(HT20)_LCH_5180MHz_Ant2_NTNV



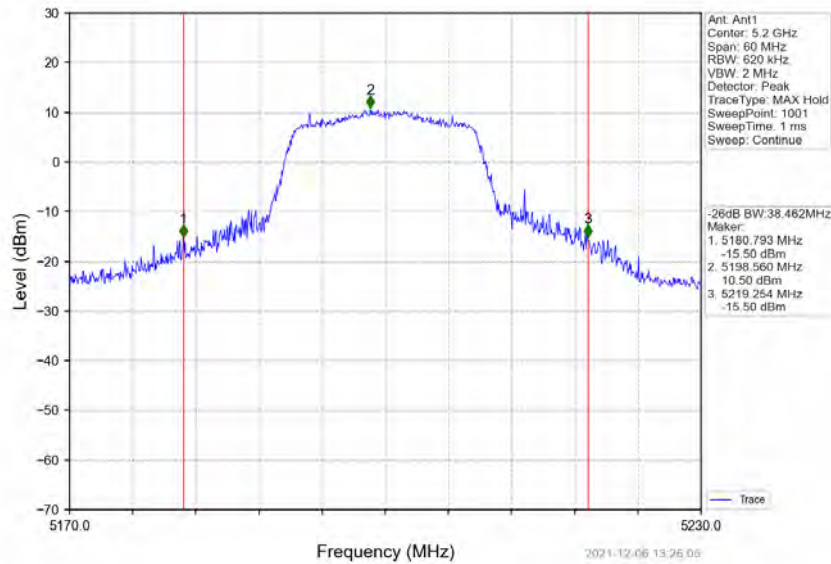
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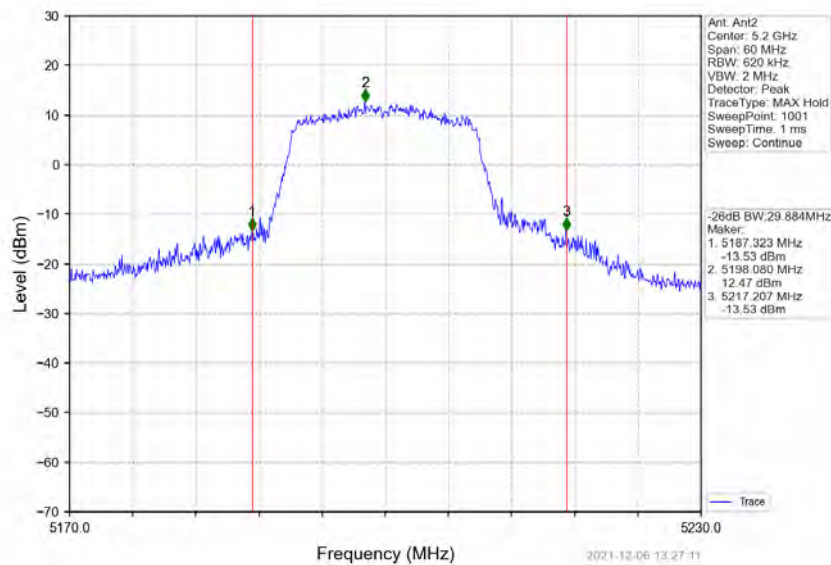
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802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



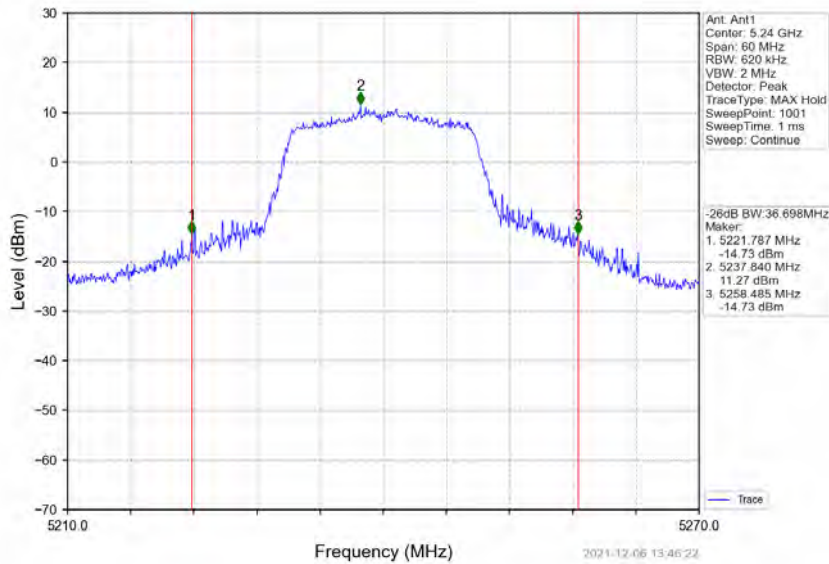
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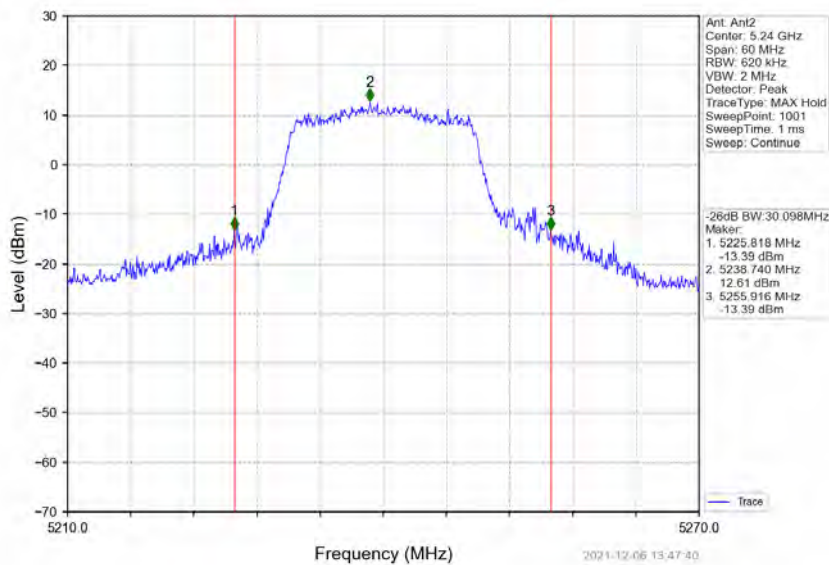
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802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



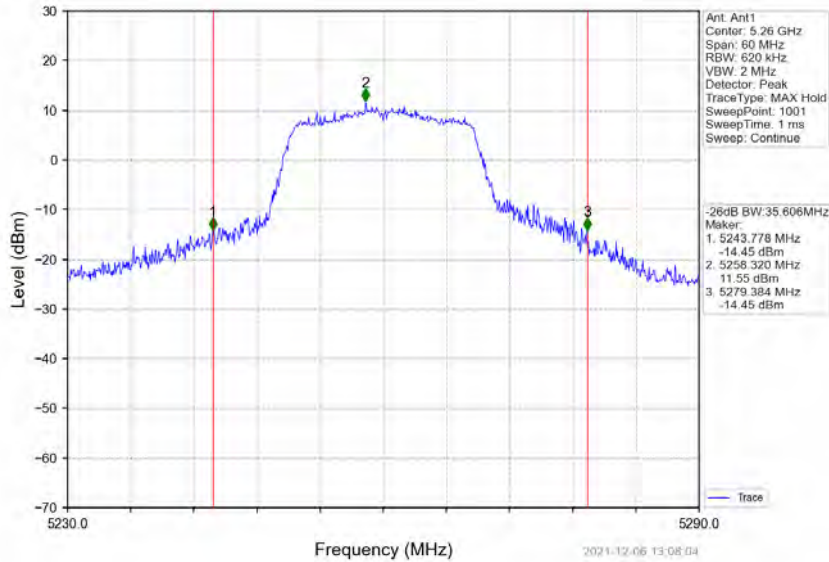
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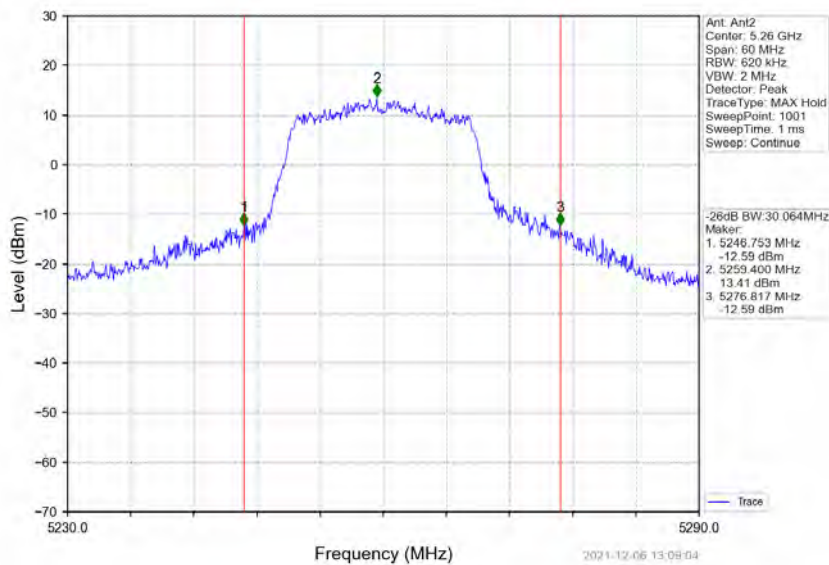
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802.11n(HT20)_LCH_5260MHz_Ant1_NTNV



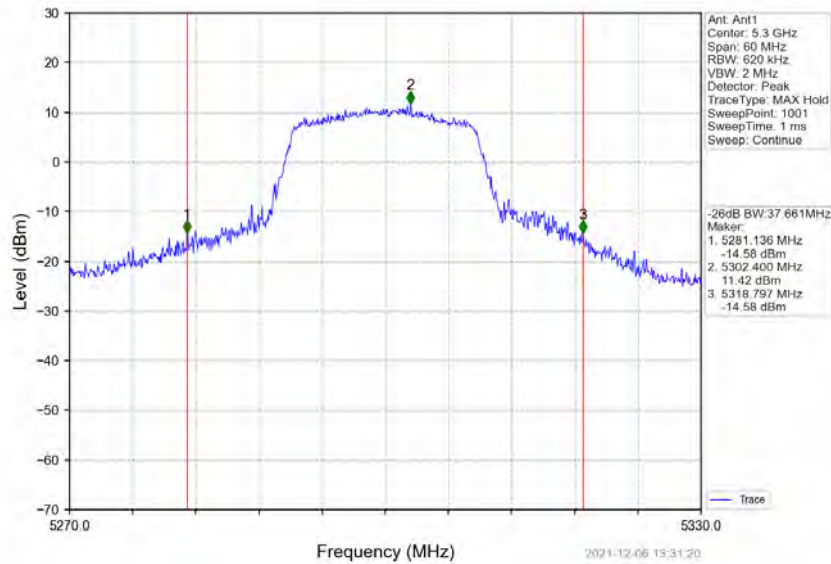
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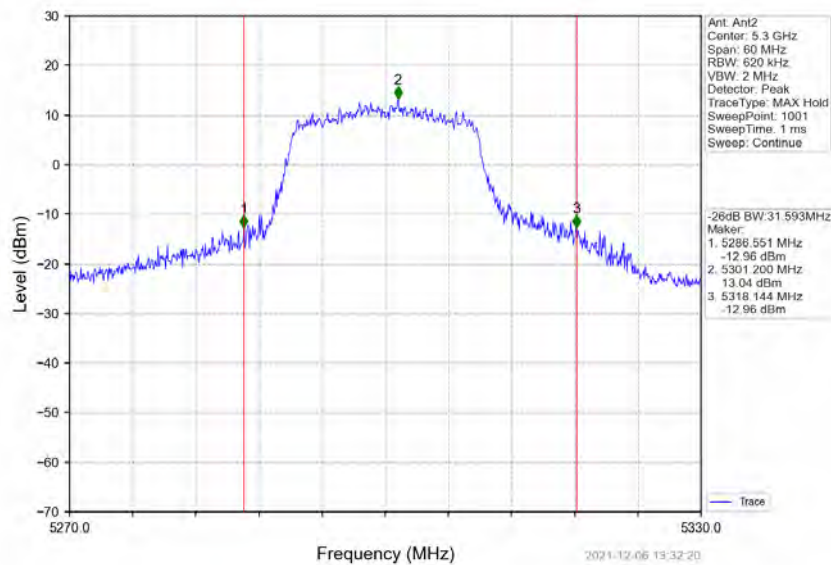
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802.11n(HT20)_MCH_5300MHz_Ant1_NTNV



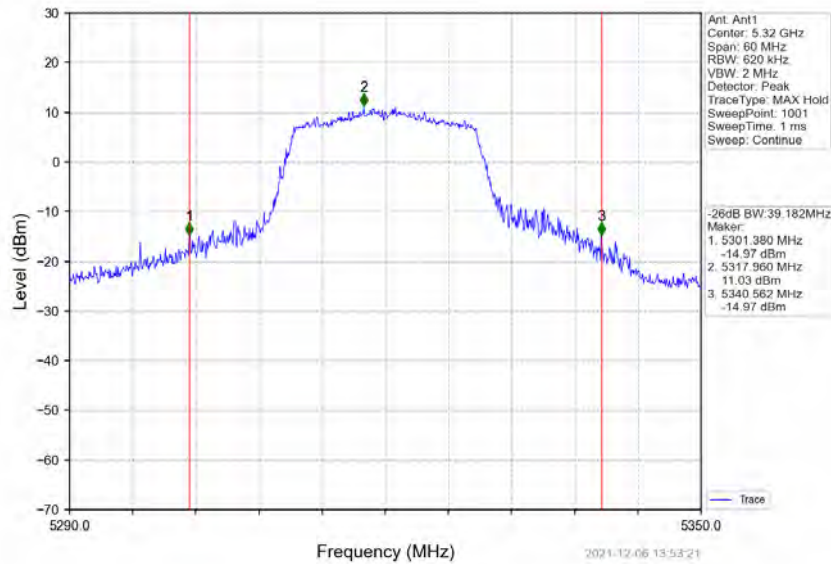
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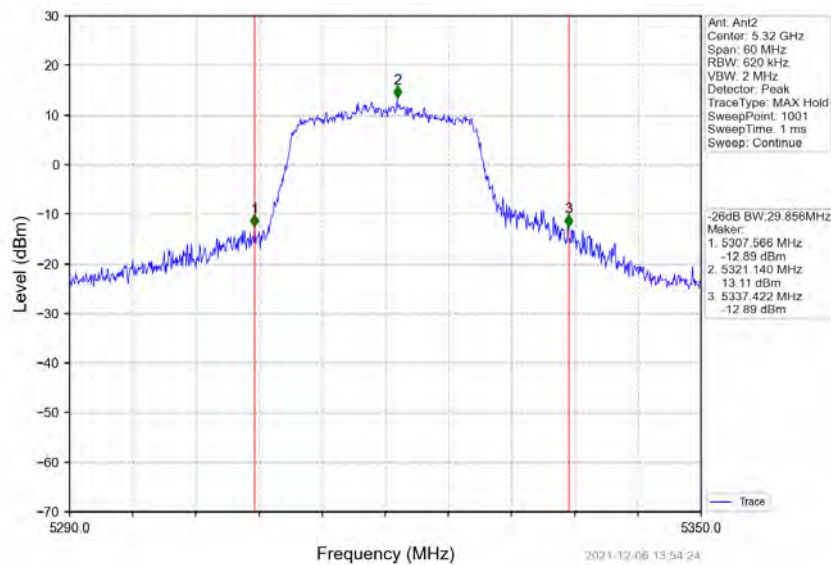
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802.11n(HT20)_HCH_5320MHz_Ant1_NTNV



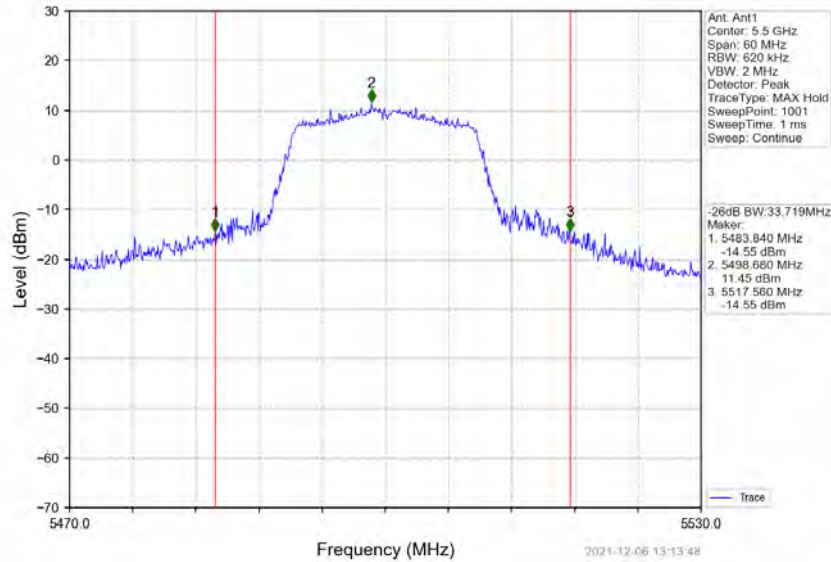
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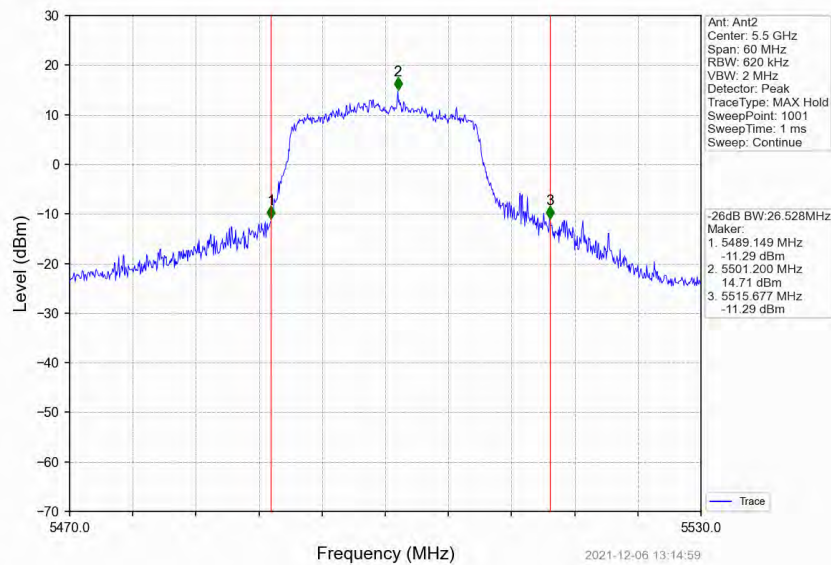
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802.11n(HT20)_LCH_5500MHz_Ant1_NTNV



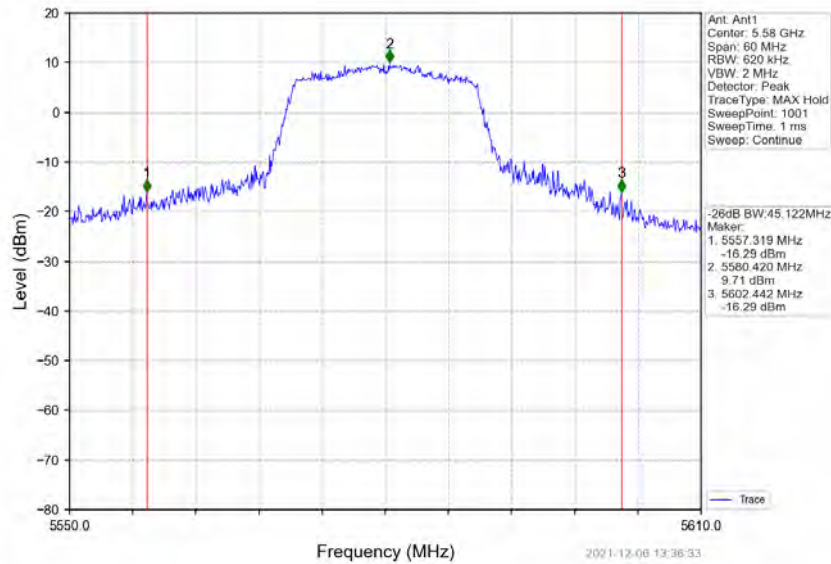
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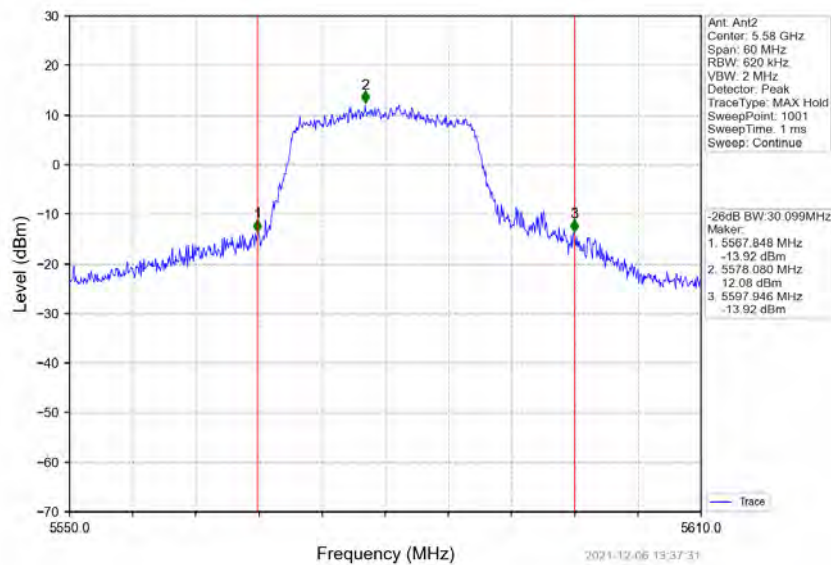
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802.11n(HT20)_MCH_5580MHz_Ant1_NTNV



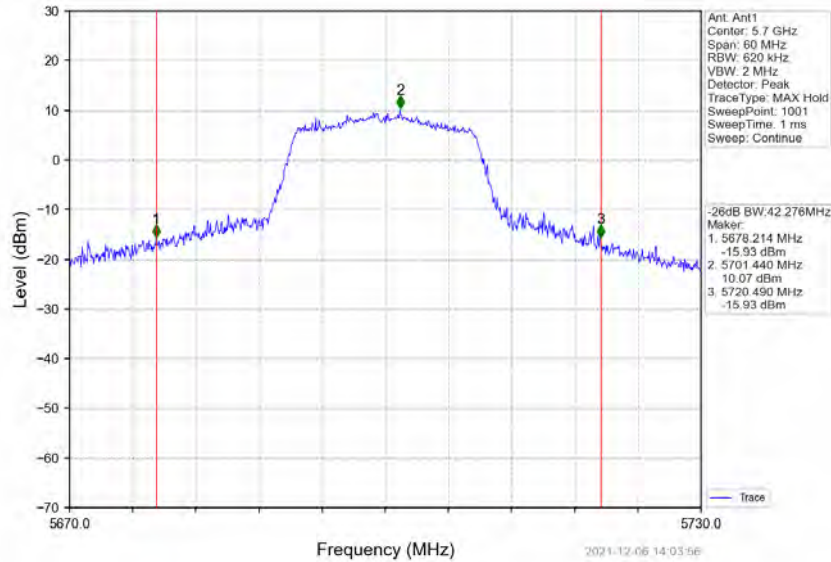
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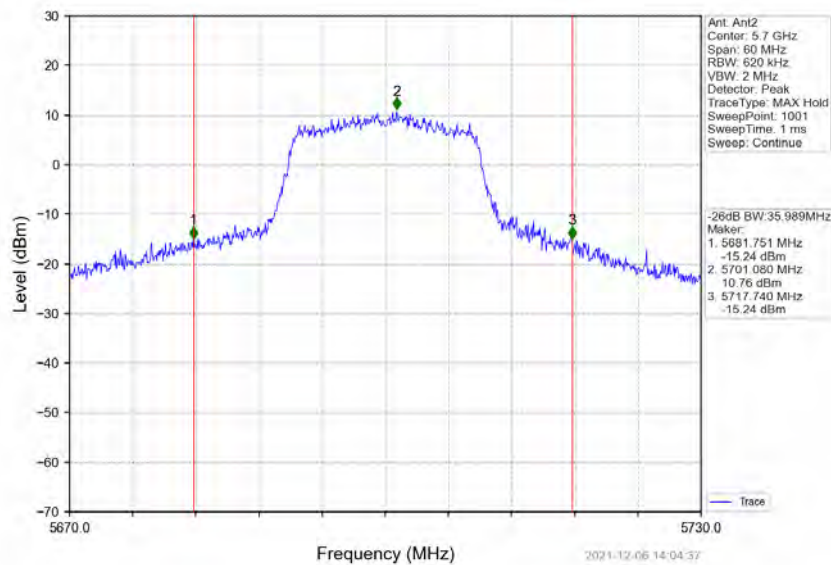
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802.11n(HT20)_HCH_5700MHz_Ant1_NTNV



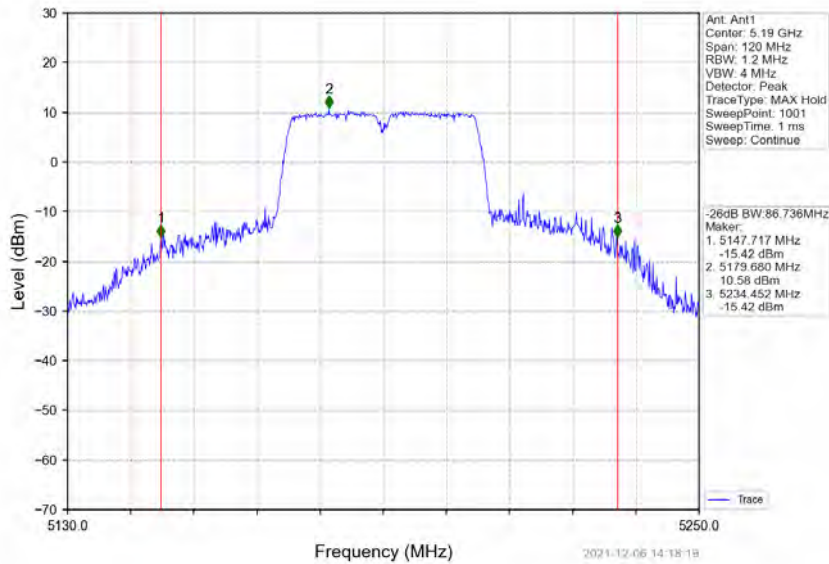
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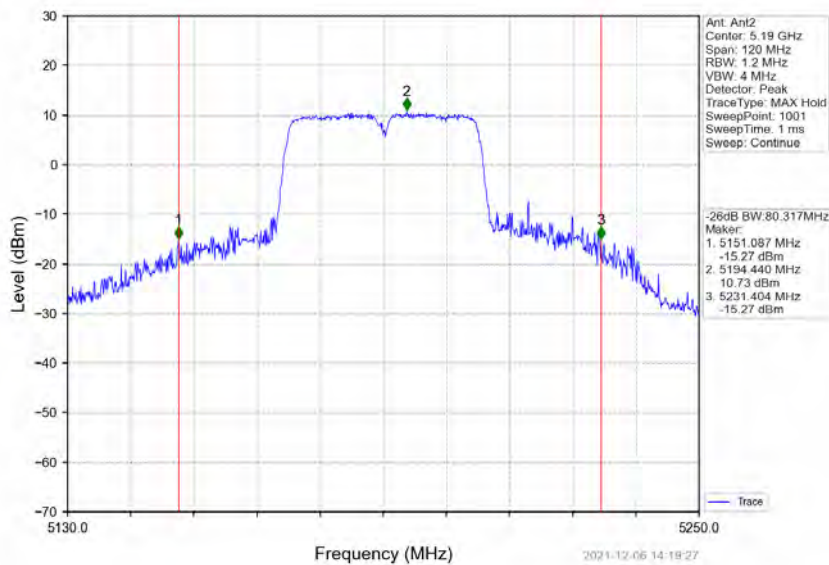
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802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



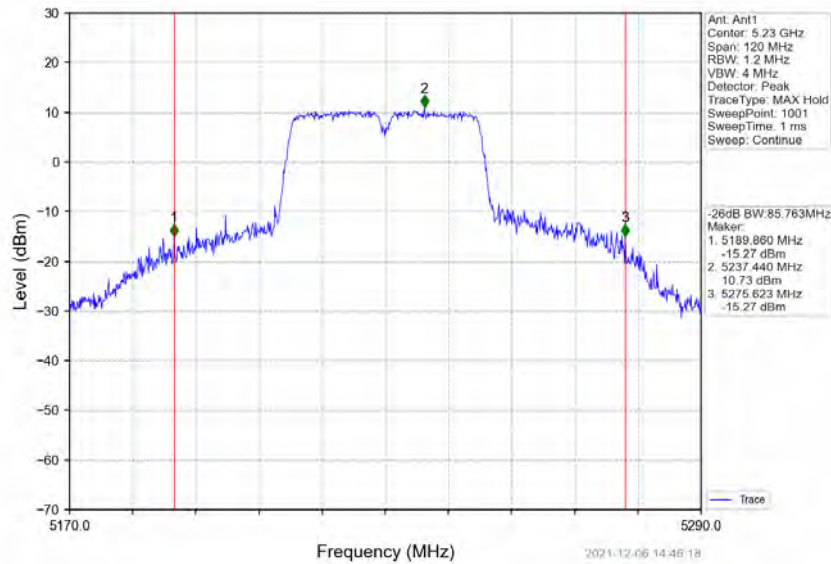
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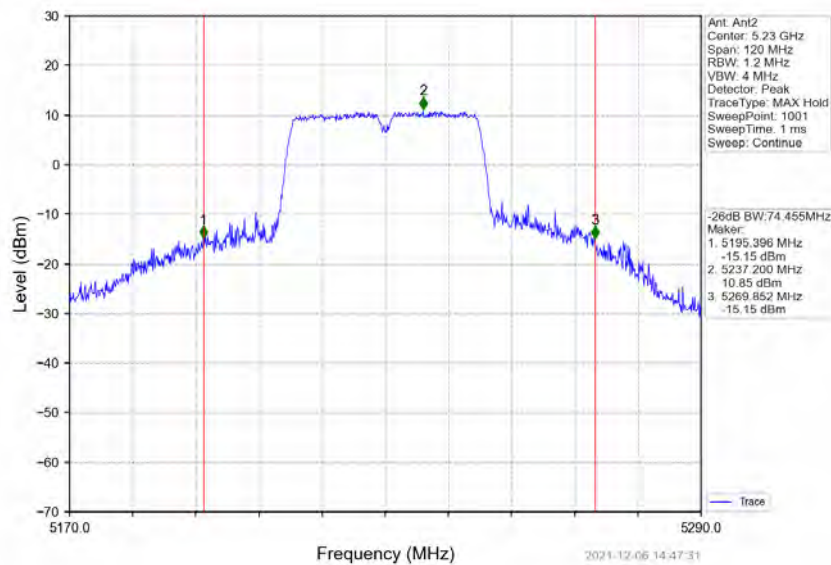
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802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



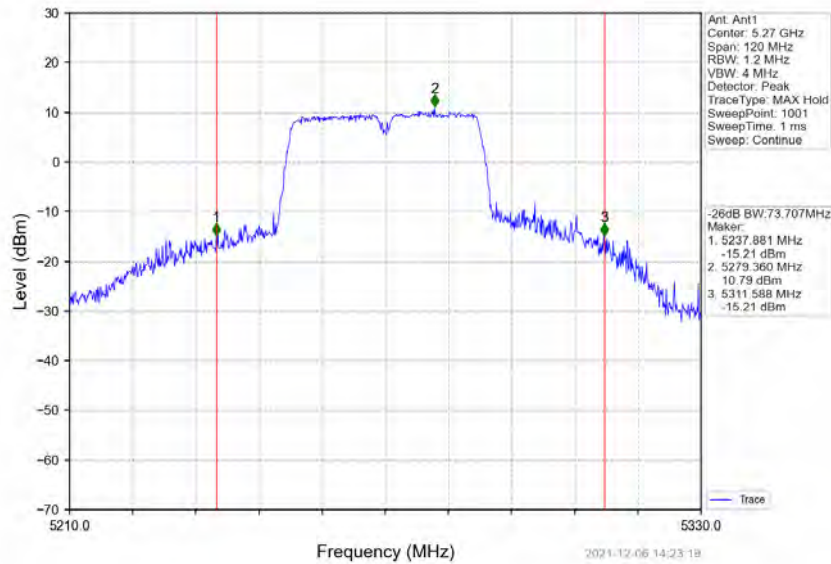
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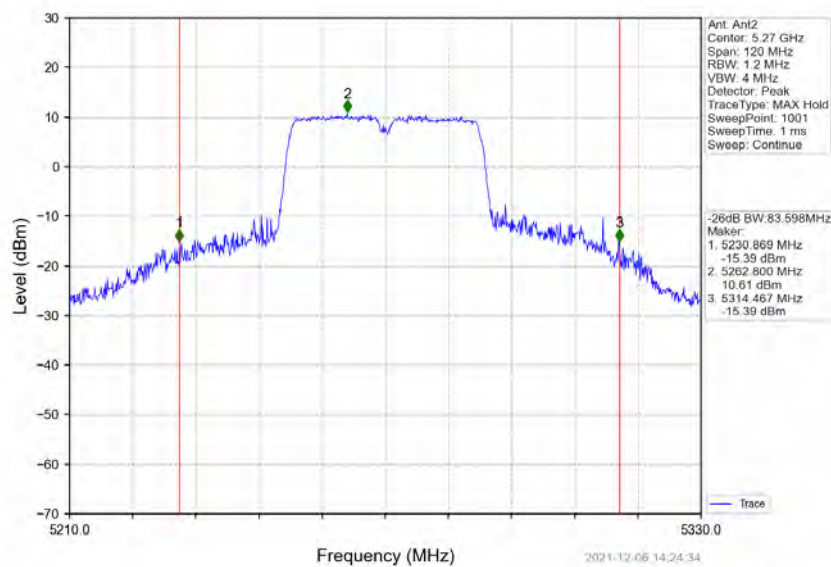
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802.11n(HT40)_LCH_5270MHz_Ant1_NTNV



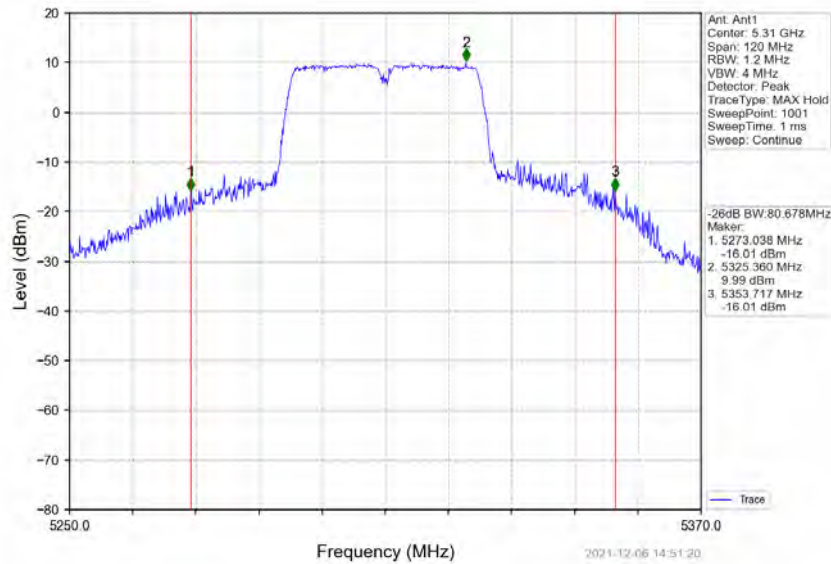
802.11n(HT40)_LCH_5270MHz_Ant2_NTNV



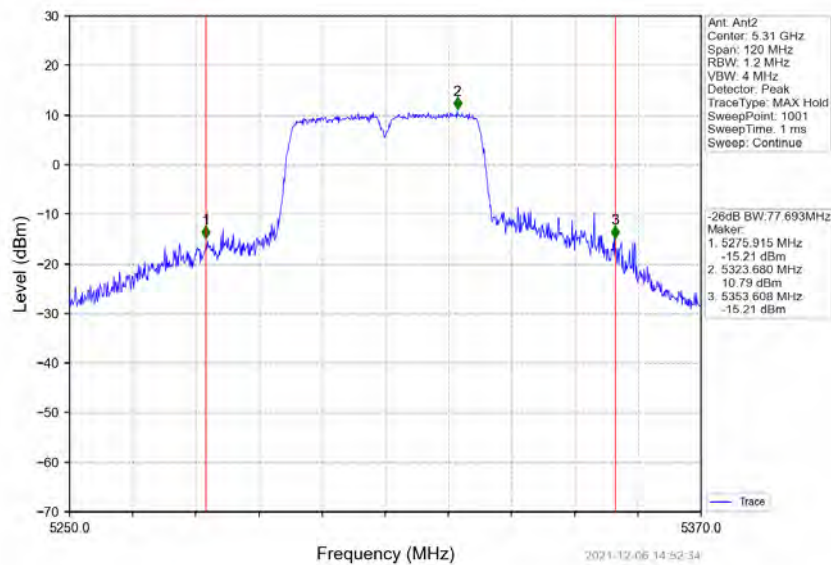
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802.11n(HT40)_HCH_5310MHz_Ant1_NTNV



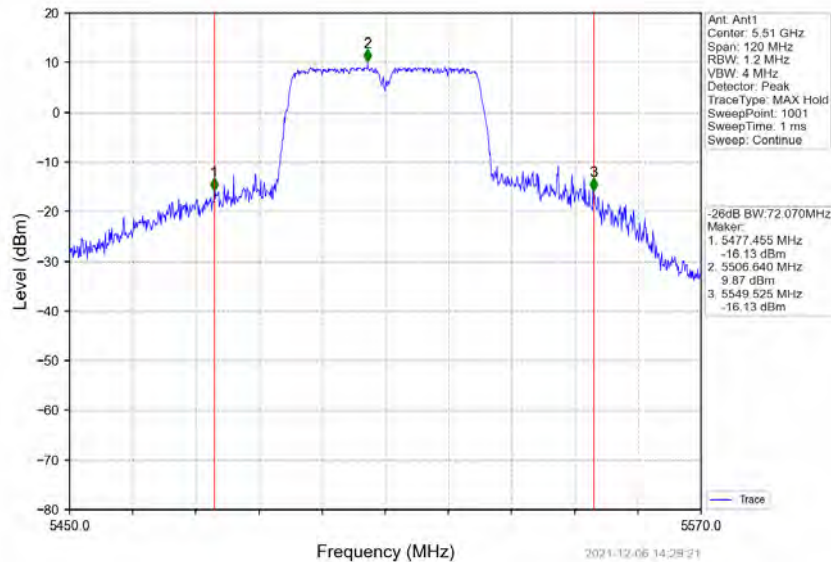
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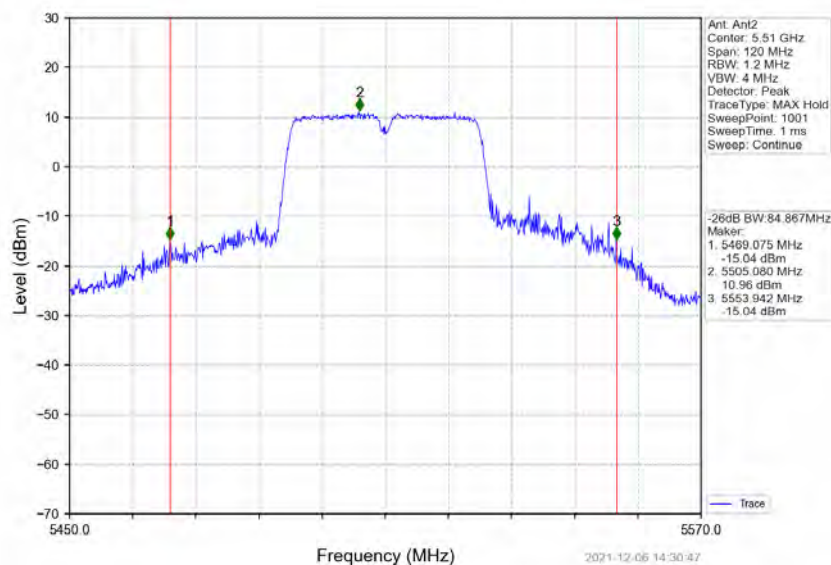
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802.11n(HT40)_LCH_5510MHz_Ant1_NTNV



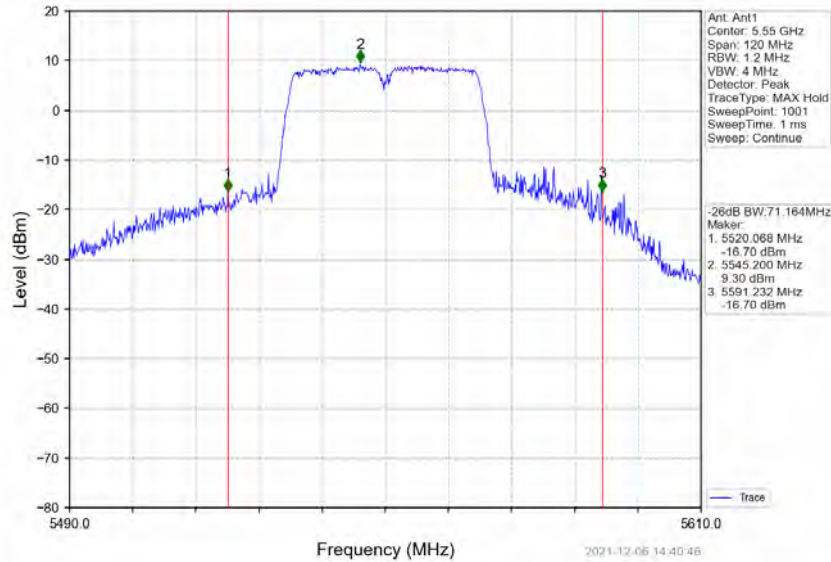
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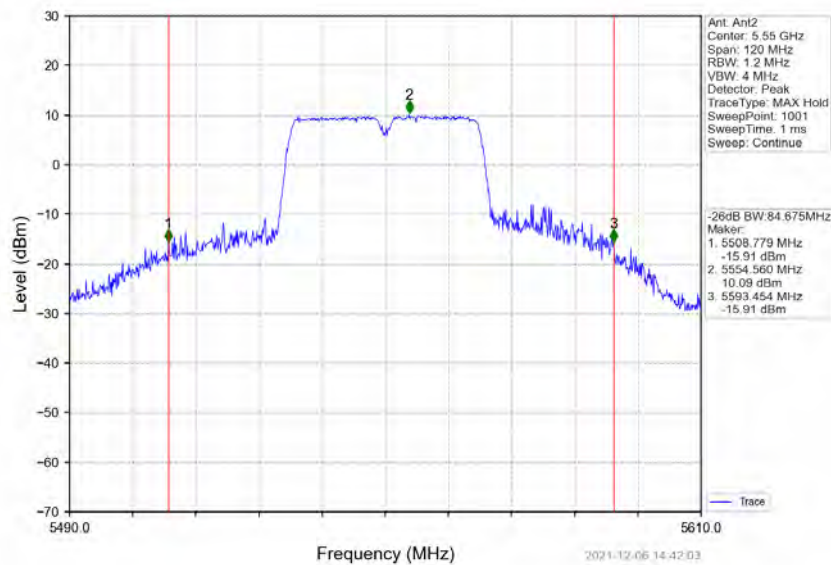
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802.11n(HT40)_MCH_5550MHz_Ant1_NTNV



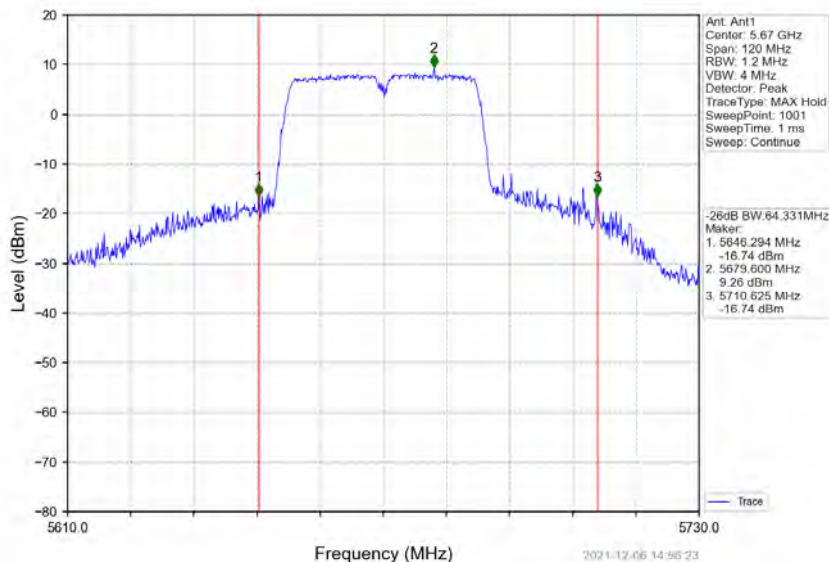
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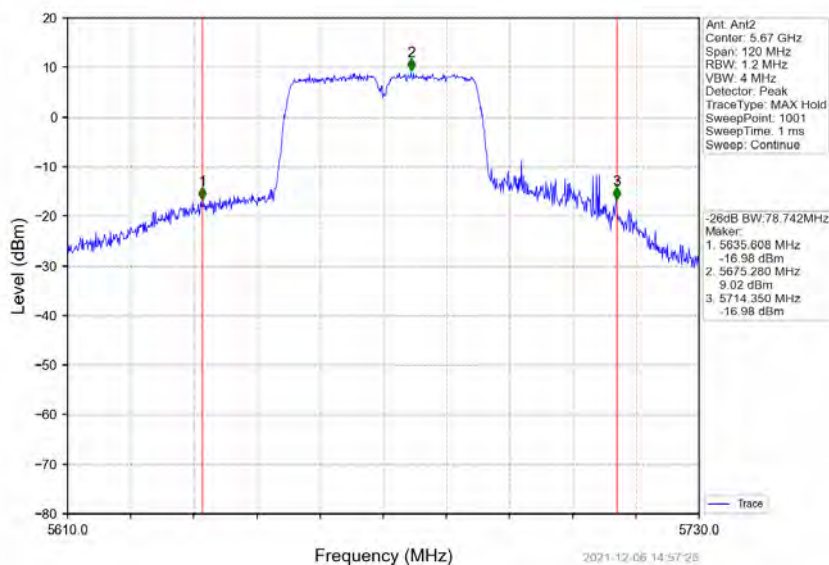
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802.11n(HT40)_HCH_5670MHz_Ant1_NTNV

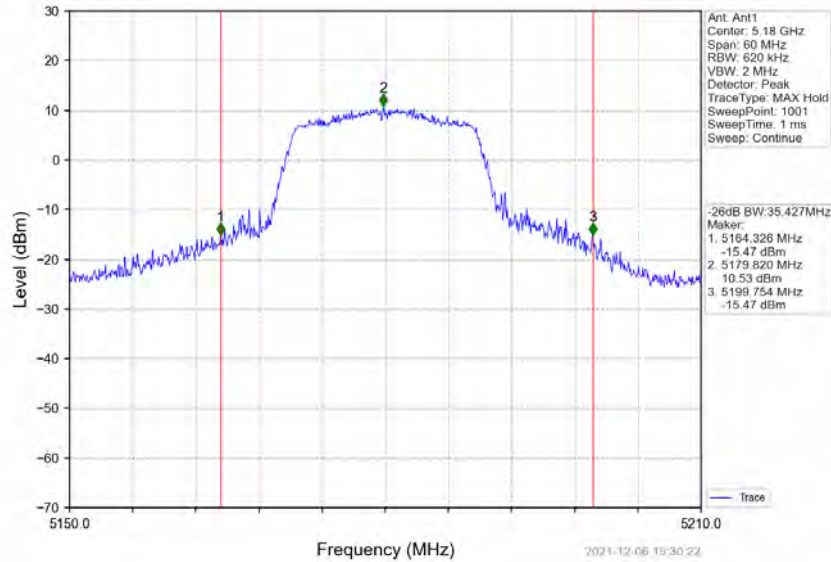


802.11n(HT40)_HCH_5670MHz_Ant2_NTNV

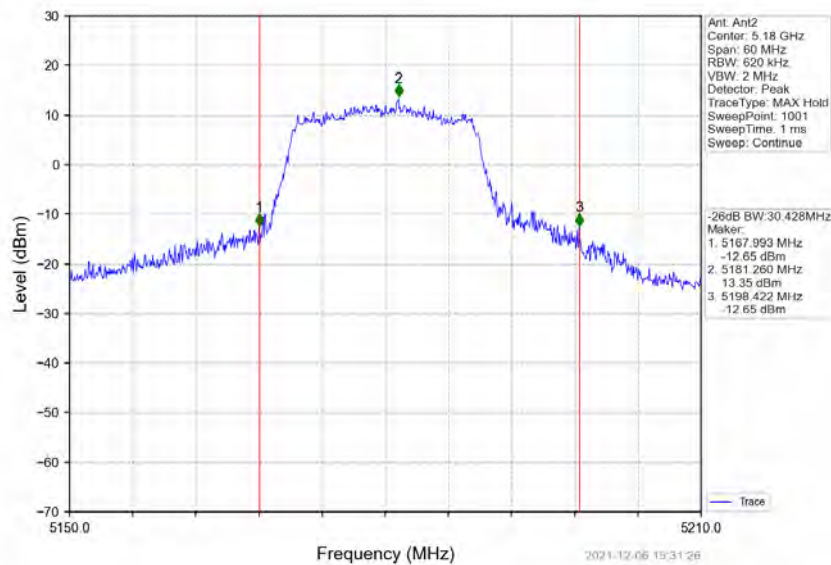


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802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



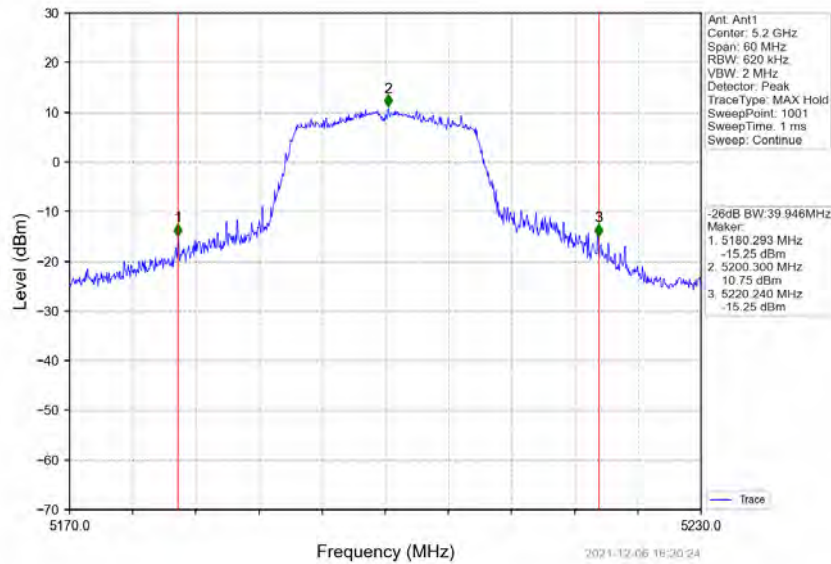
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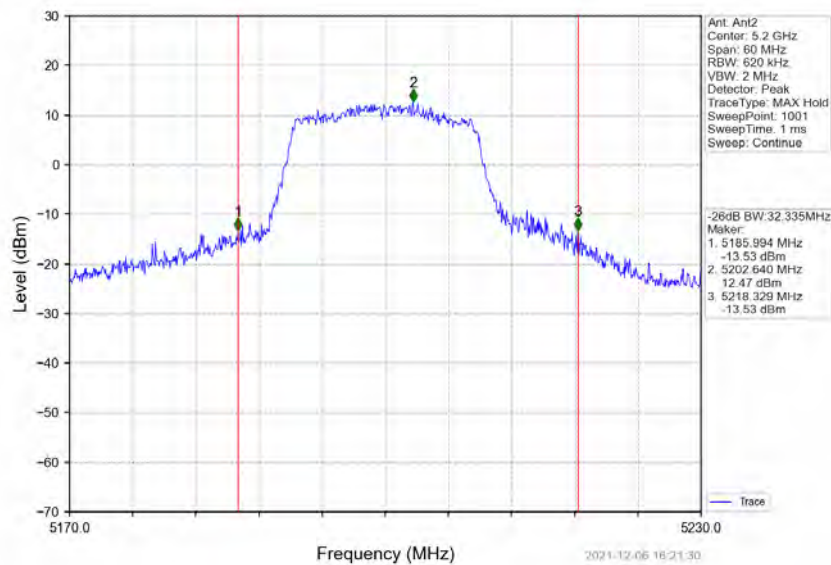
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802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



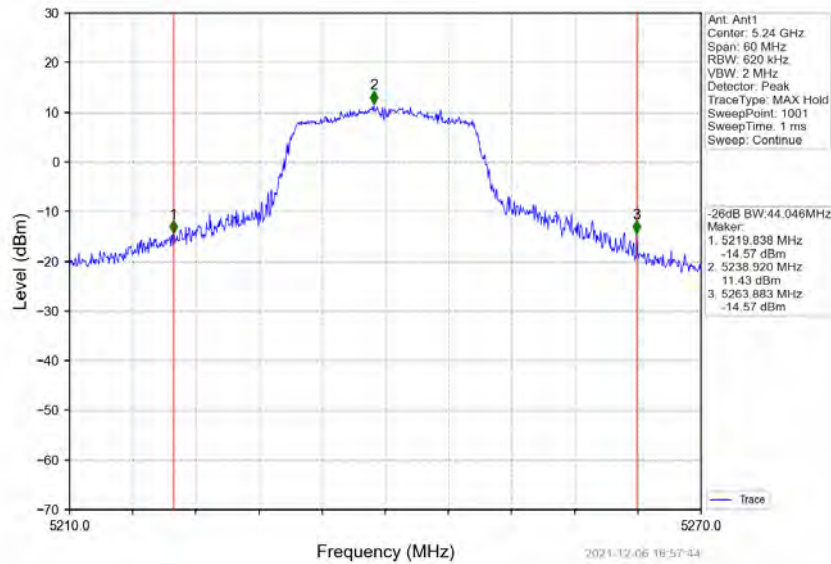
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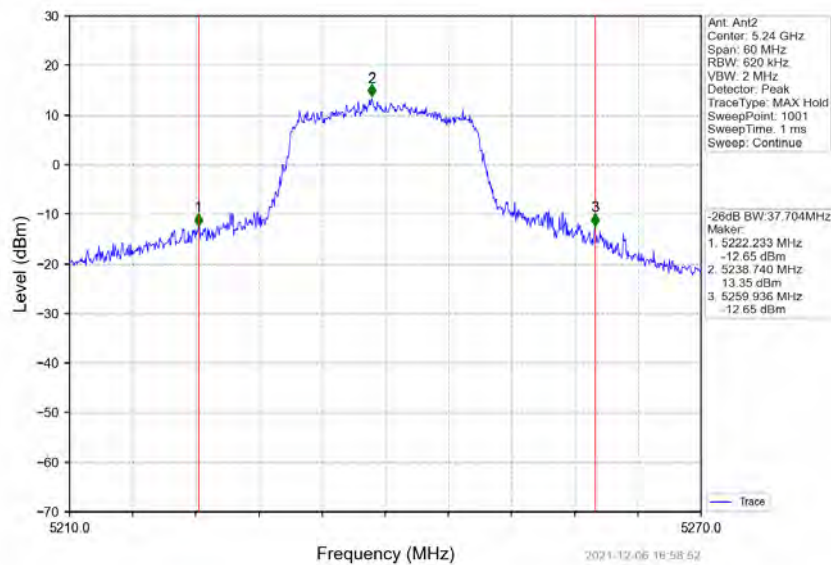
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802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



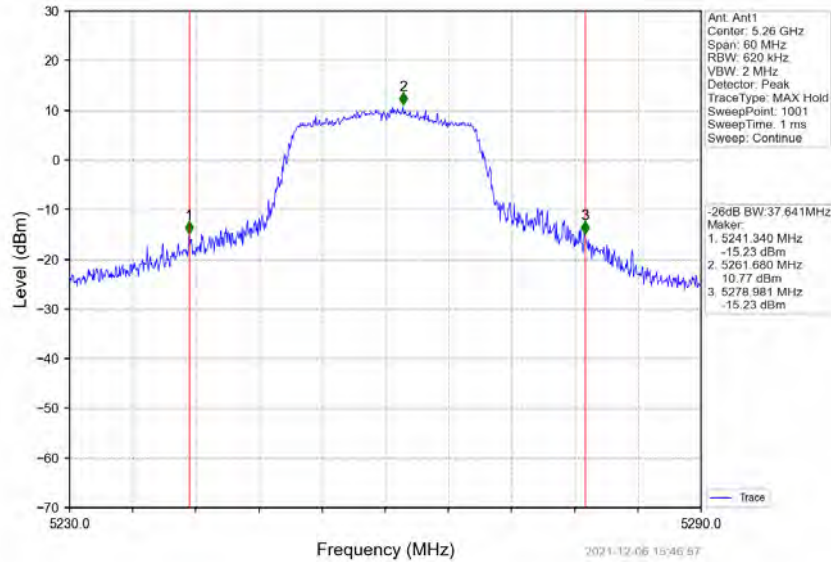
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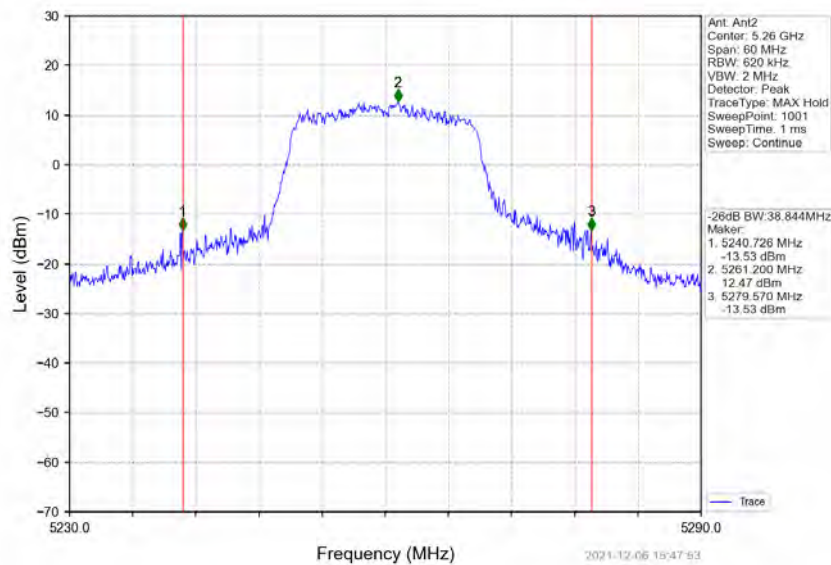
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802.11ac(VHT20)_LCH_5260MHz_Ant1_NTNV



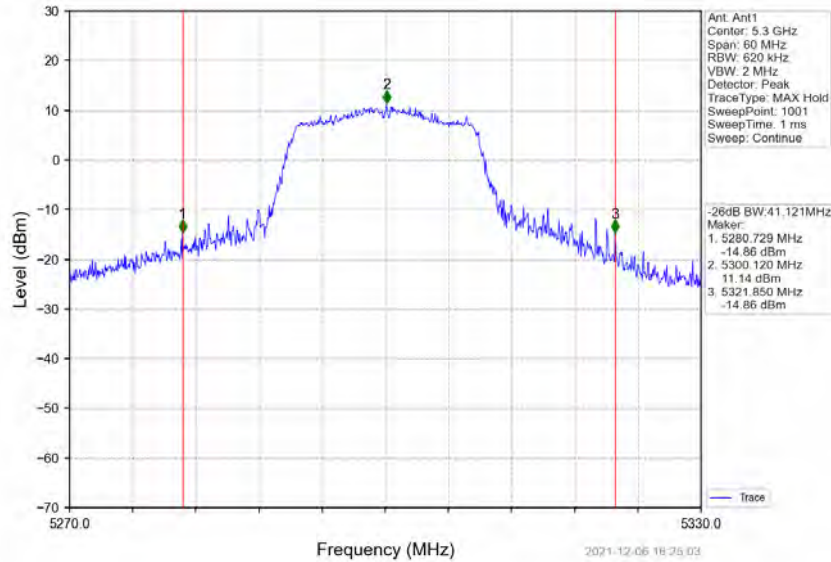
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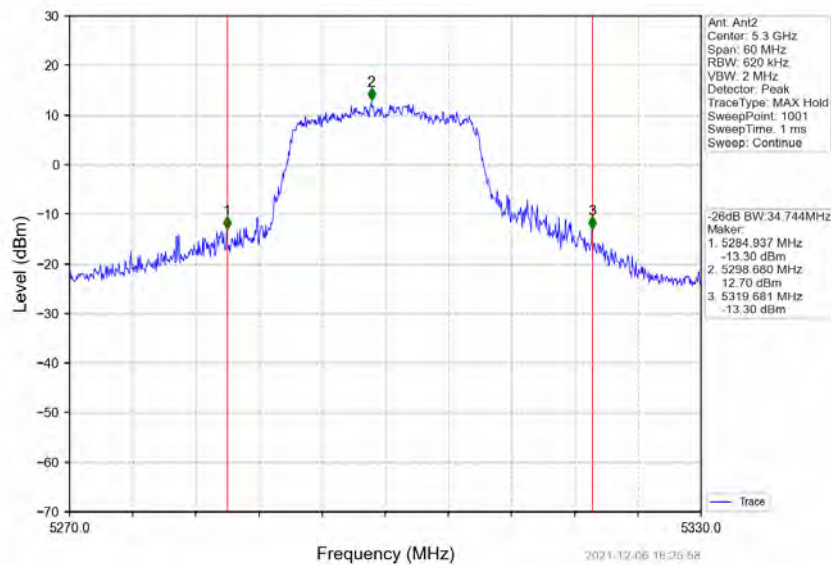
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802.11ac(VHT20)_MCH_5300MHz_Ant1_NTNV



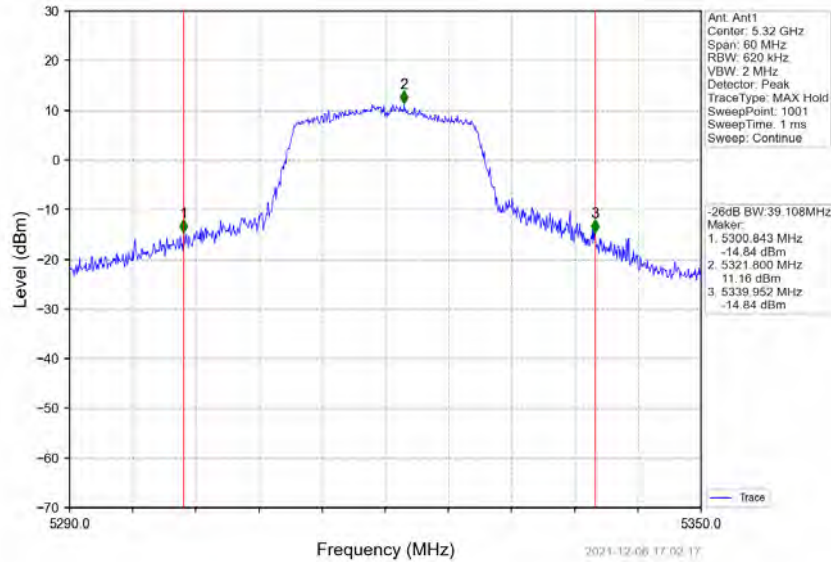
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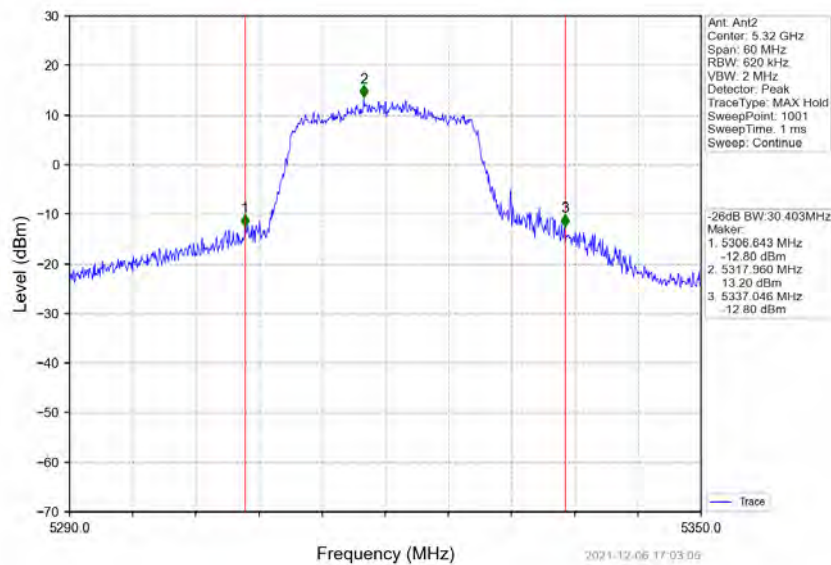
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802.11ac(VHT20)_HCH_5320MHz_Ant1_NTNV



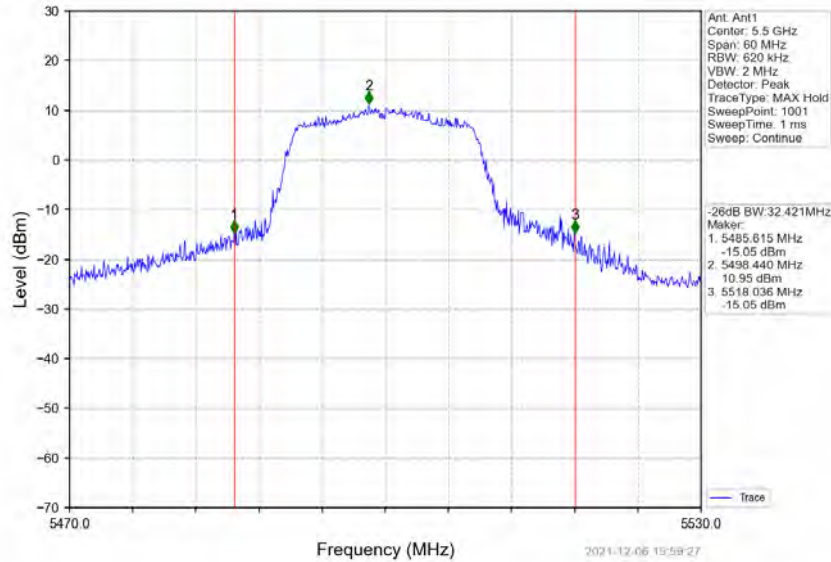
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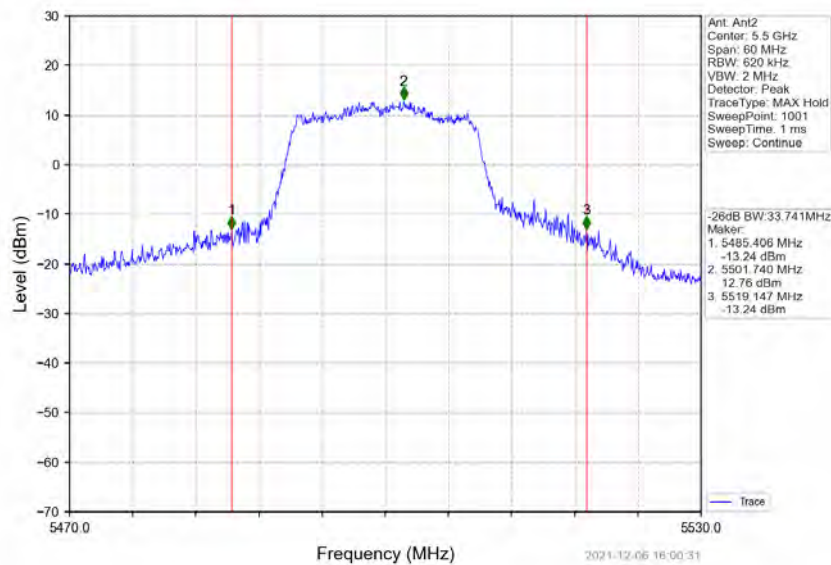
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802.11ac(VHT20)_LCH_5500MHz_Ant1_NTNV



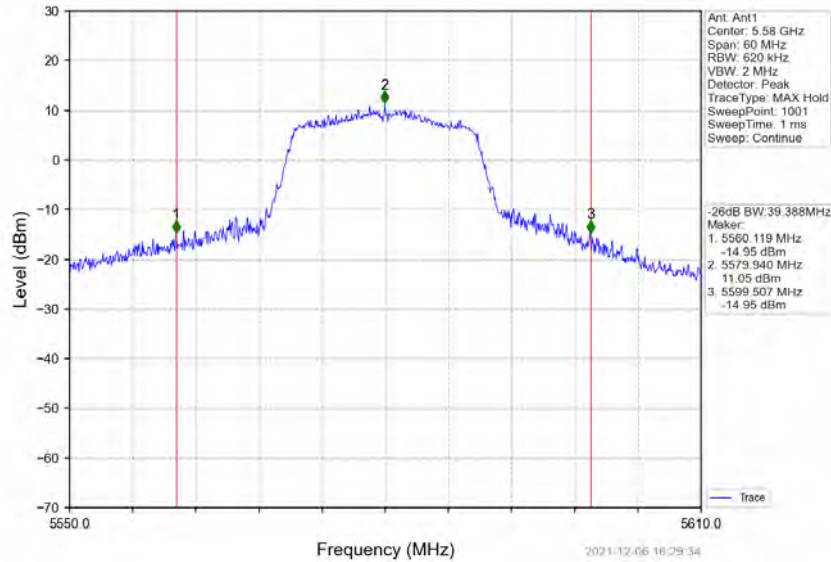
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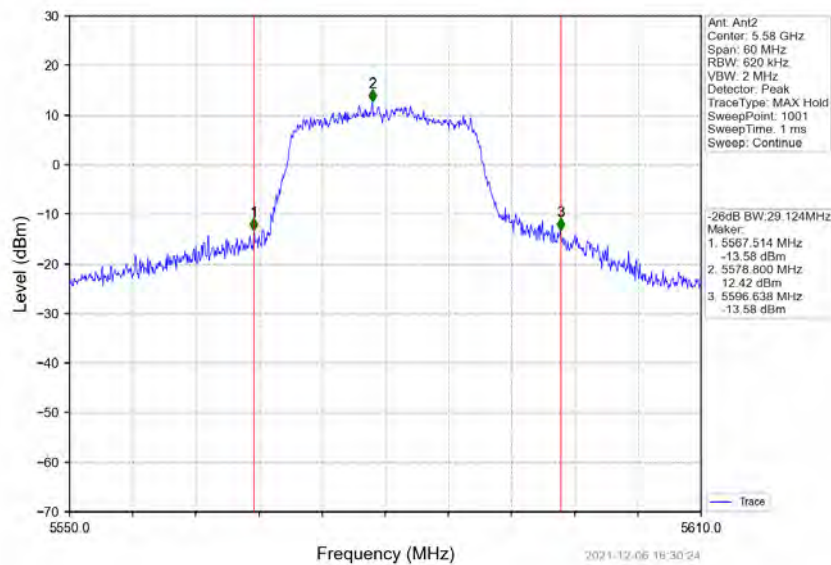
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802.11ac(VHT20)_MCH_5580MHz_Ant1_NTNV



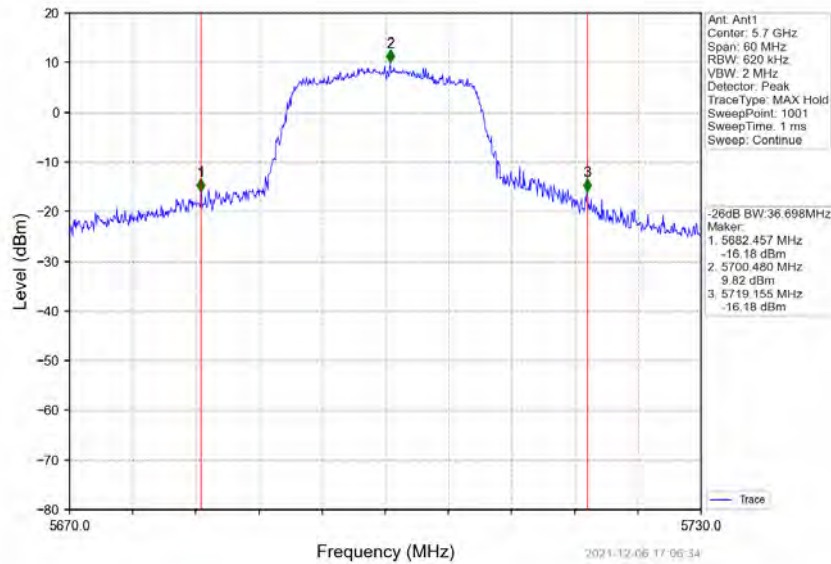
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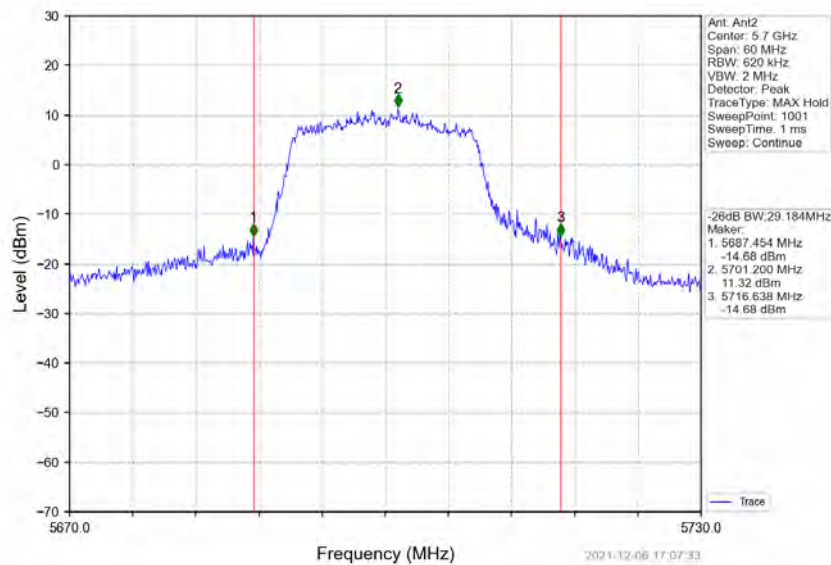
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802.11ac(VHT20)_HCH_5700MHz_Ant1_NTNV



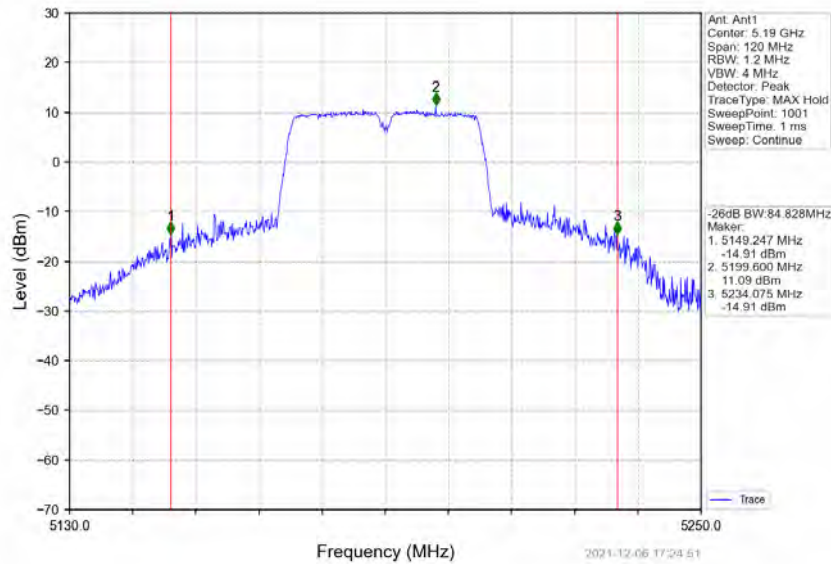
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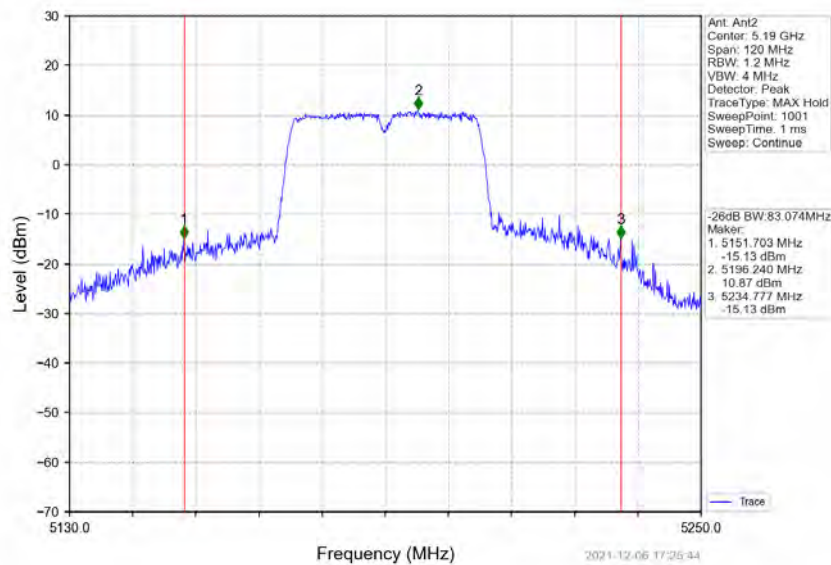
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802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



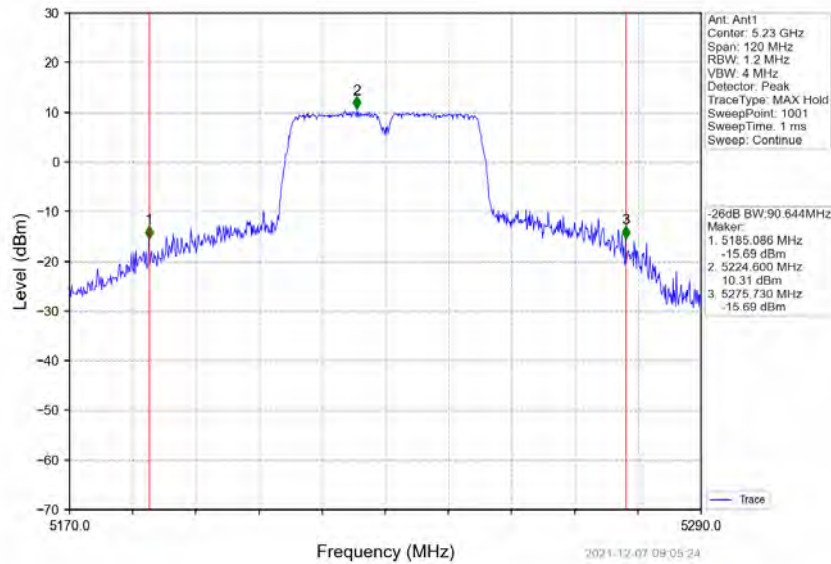
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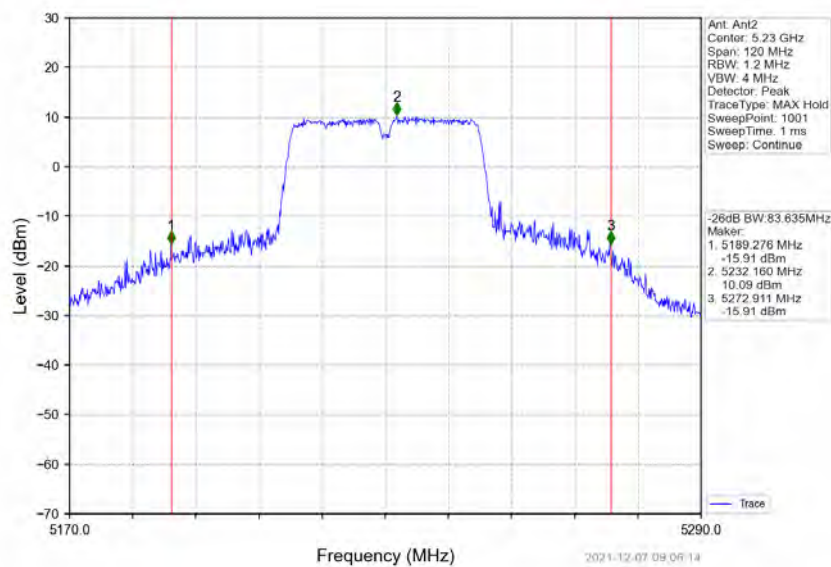
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802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



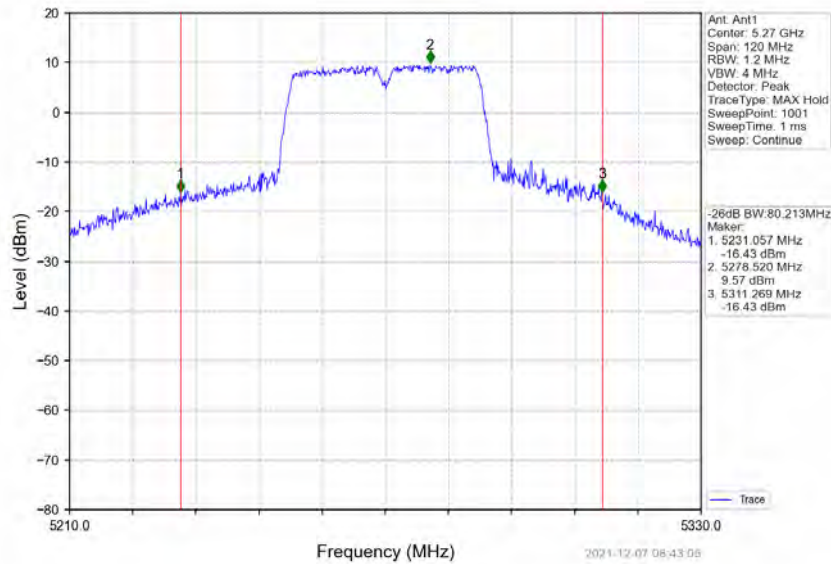
802.11ac(VHT40)_HCH_5230MHz_Ant2_NTNV



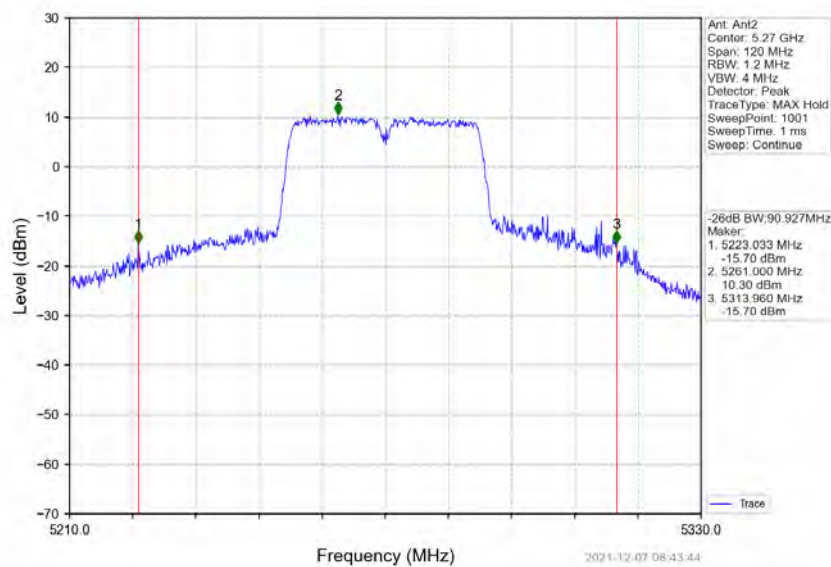
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802.11ac(VHT40)_LCH_5270MHz_Ant1_NTNV



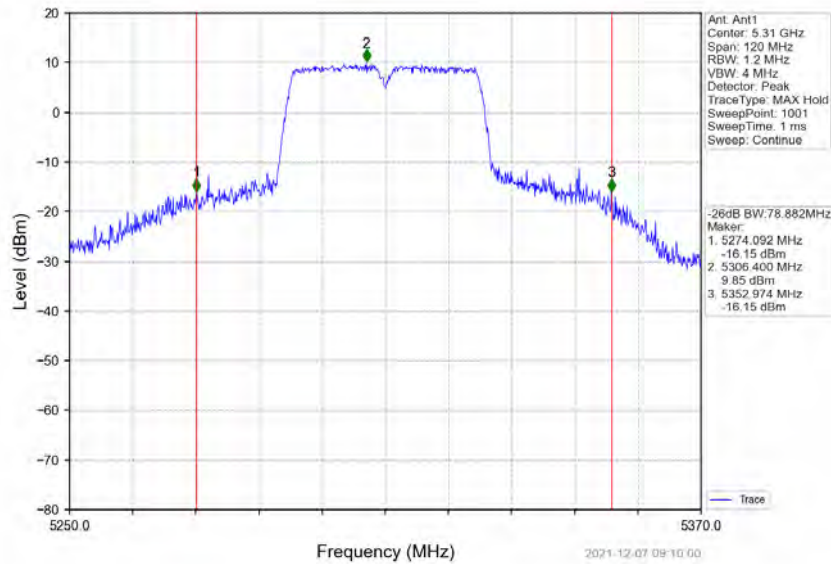
802.11ac(VHT40)_LCH_5270MHz_Ant2_NTNV



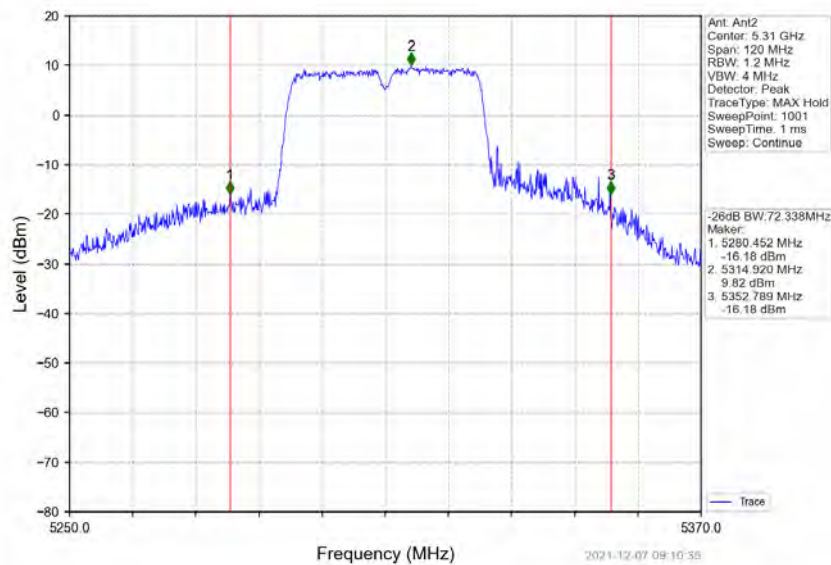
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802.11ac(VHT40)_HCH_5310MHz_Ant1_NTNV



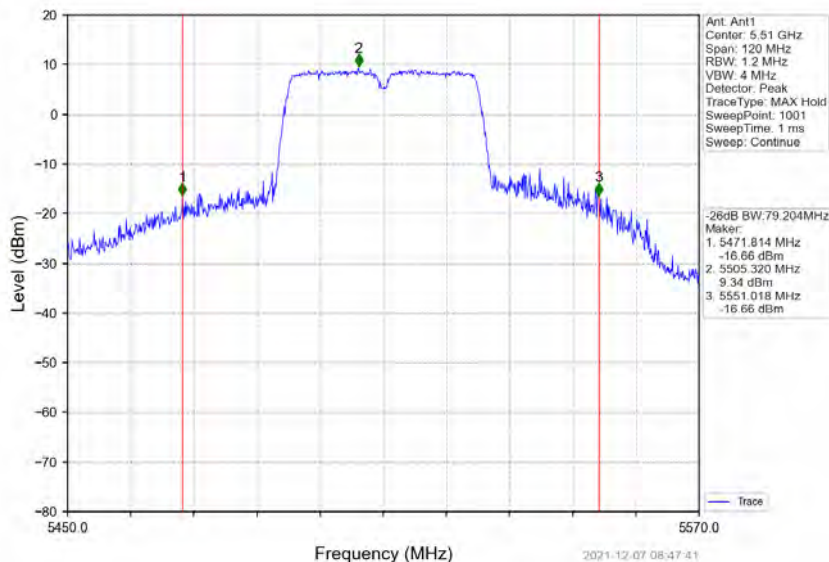
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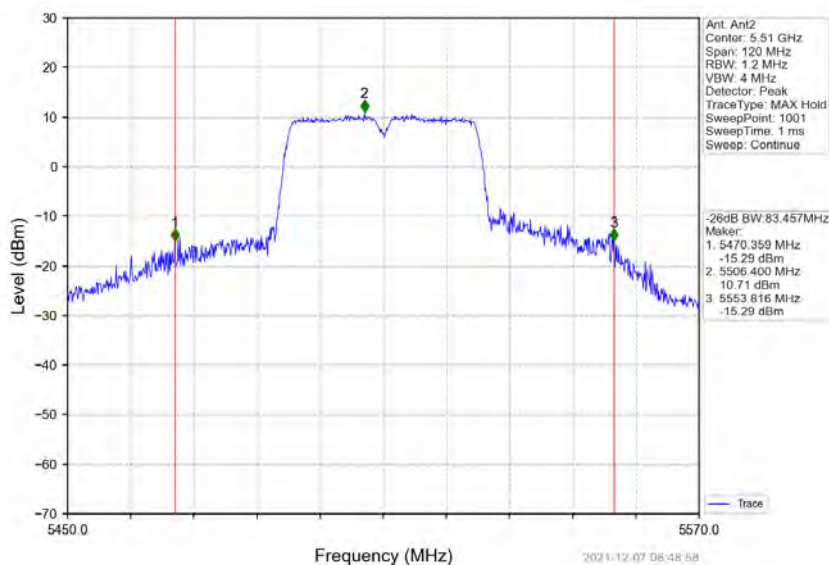
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802.11ac(VHT40)_LCH_5510MHz_Ant1_NTNV



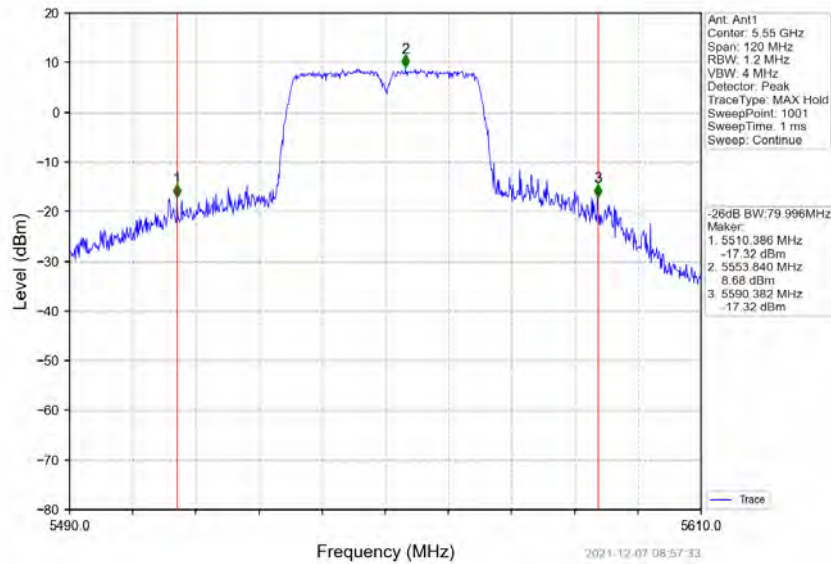
802.11ac(VHT40)_LCH_5510MHz_Ant2_NTNV



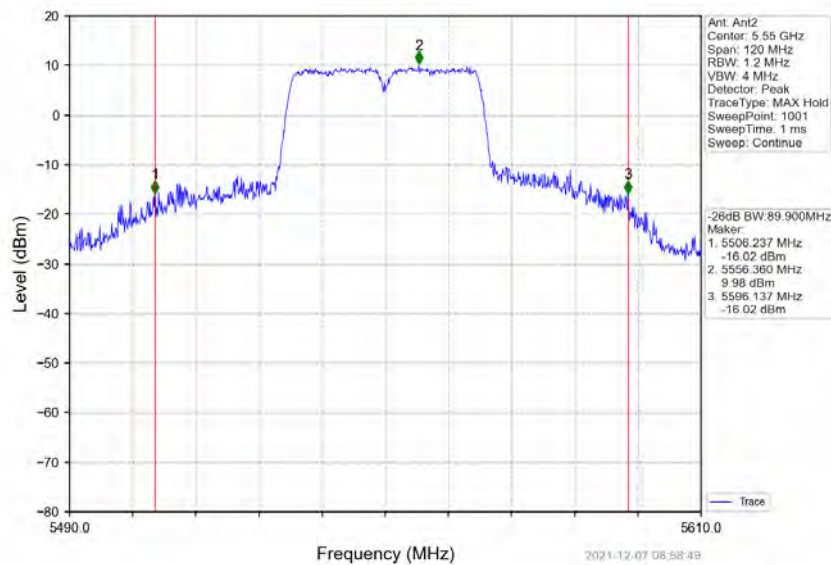
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802.11ac(VHT40)_MCH_5550MHz_Ant1_NTNV



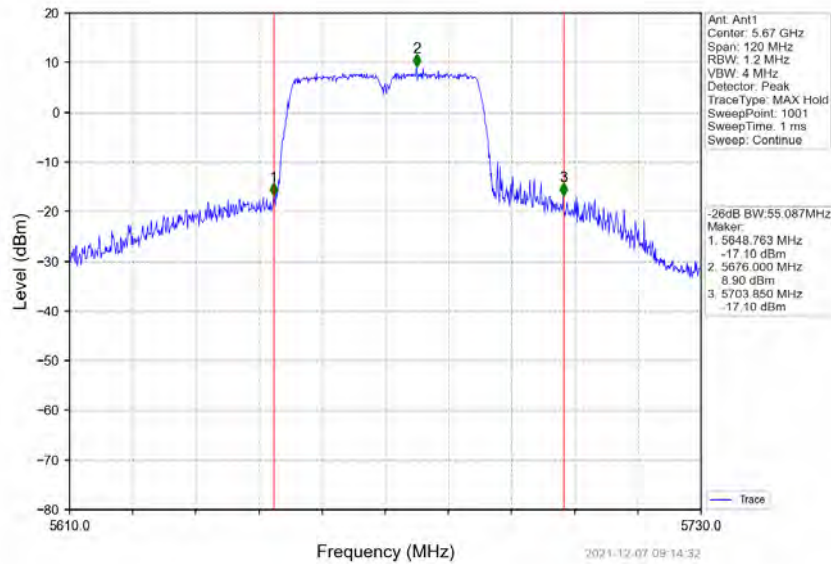
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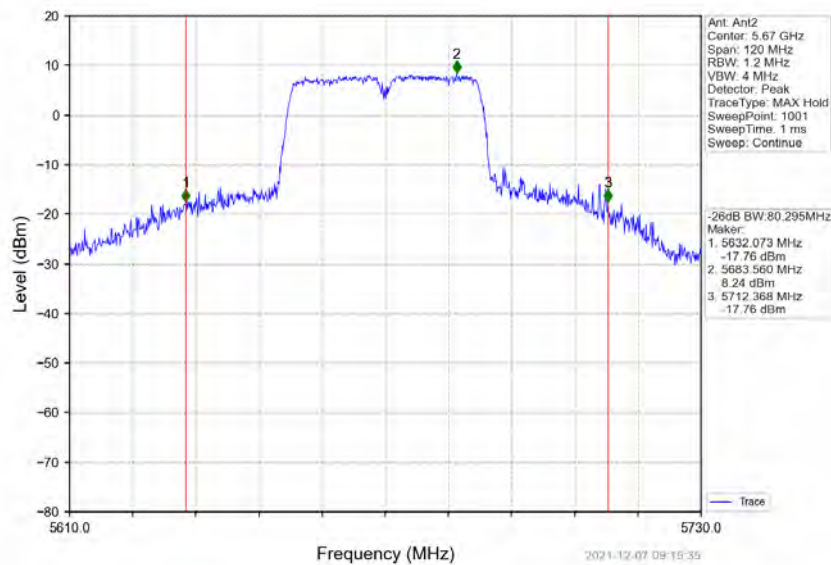
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802.11ac(VHT40)_HCH_5670MHz_Ant1_NTNV

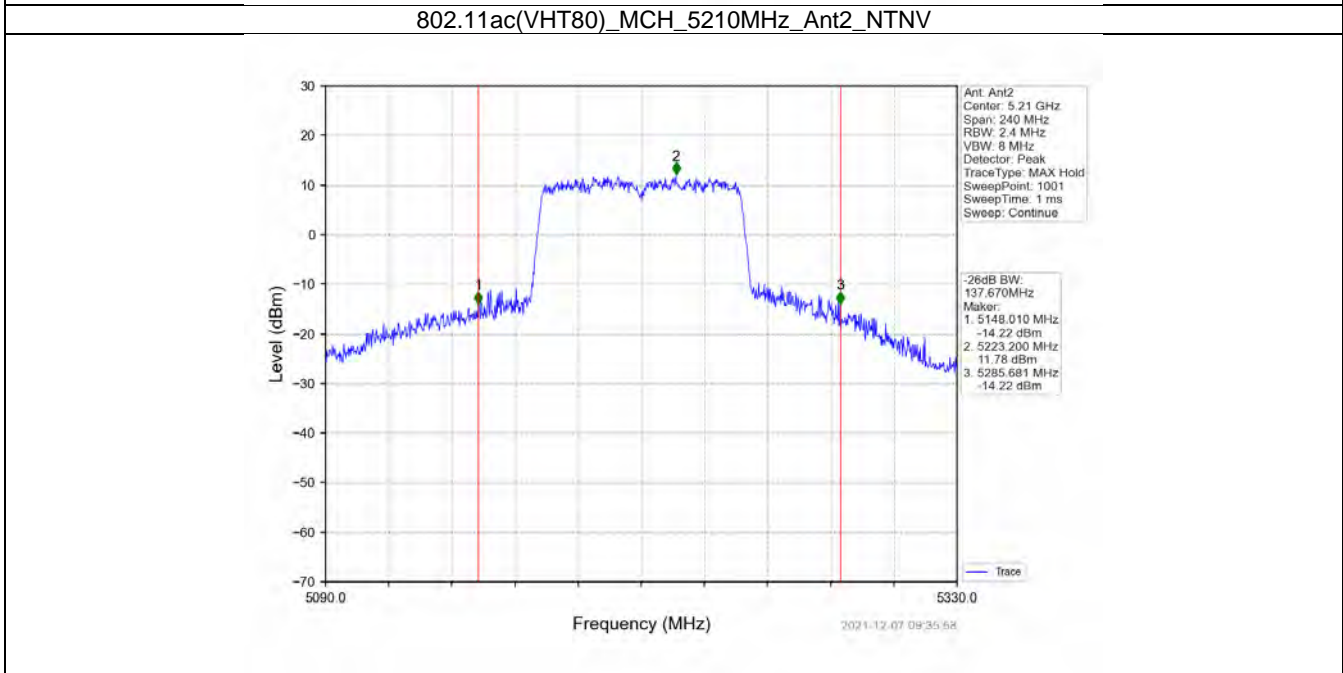
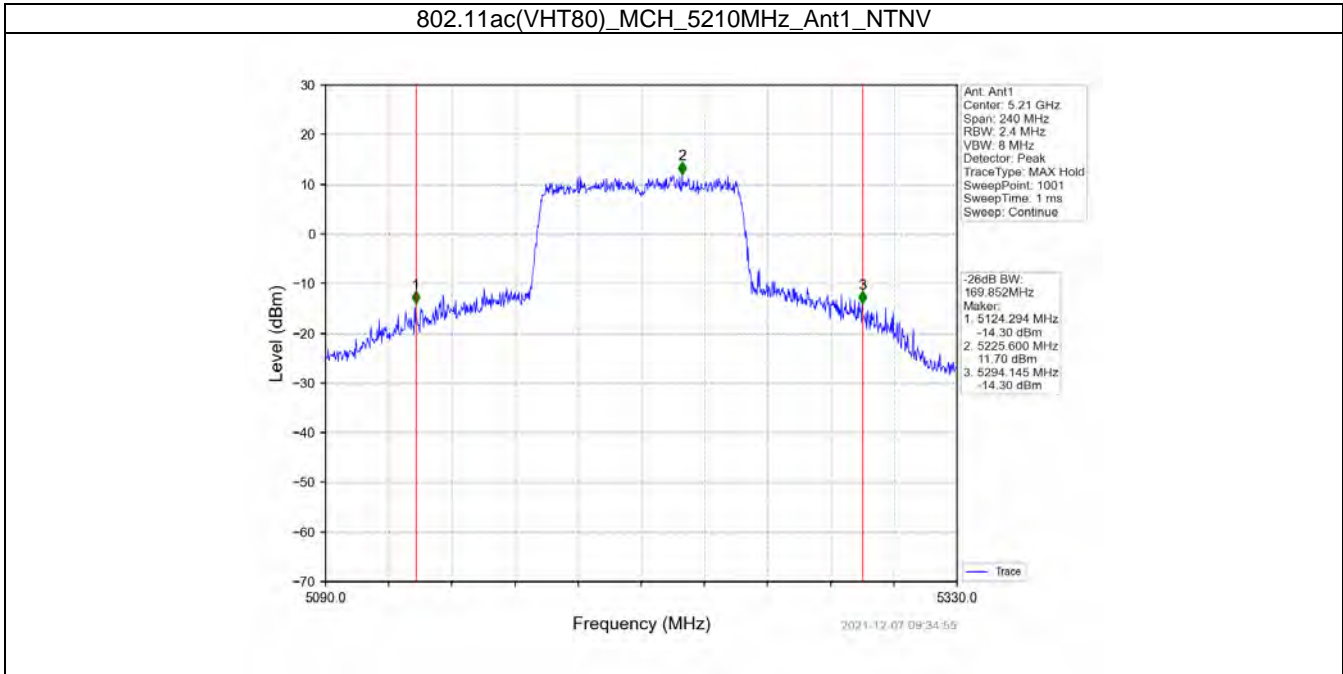


802.11ac(VHT40)_HCH_5670MHz_Ant2_NTNV



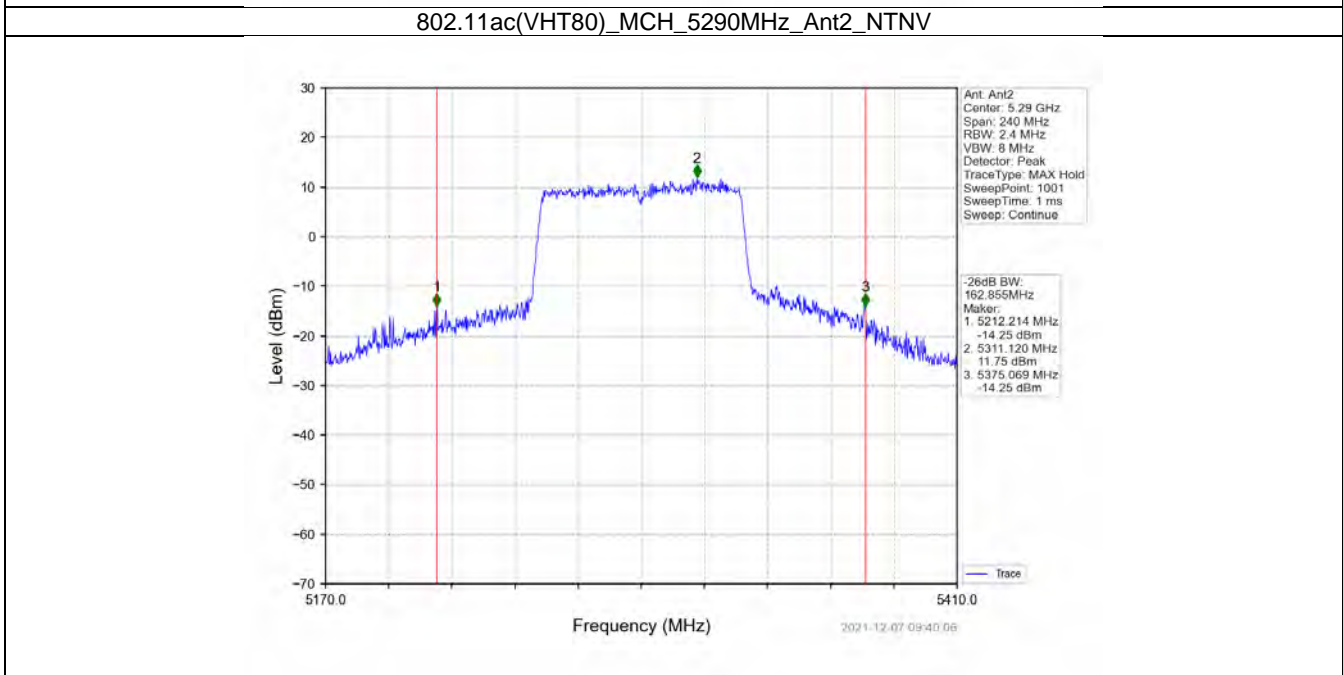
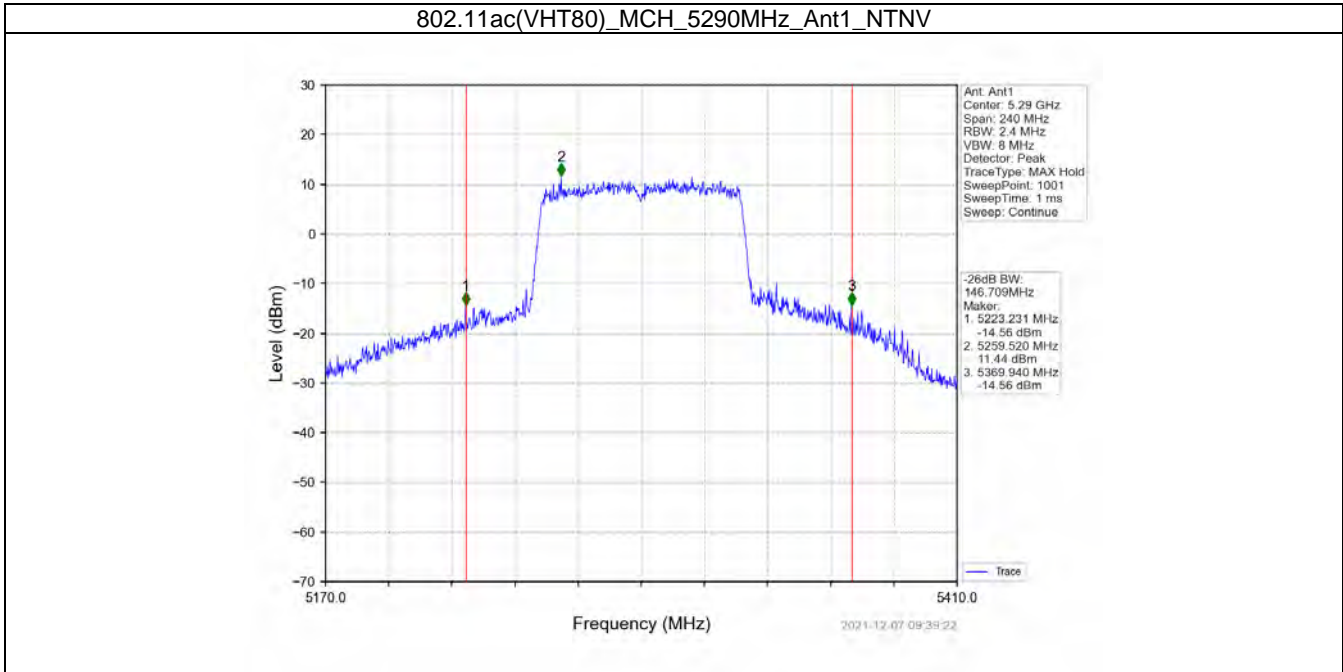
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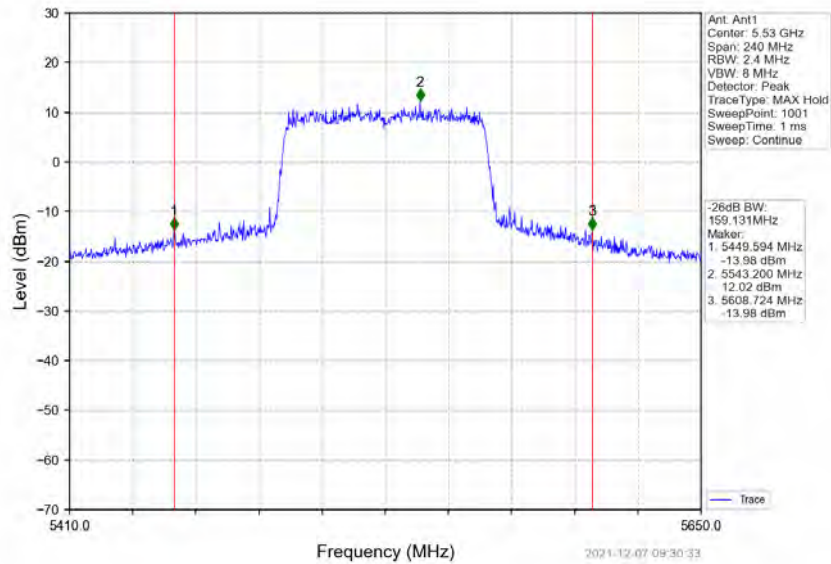
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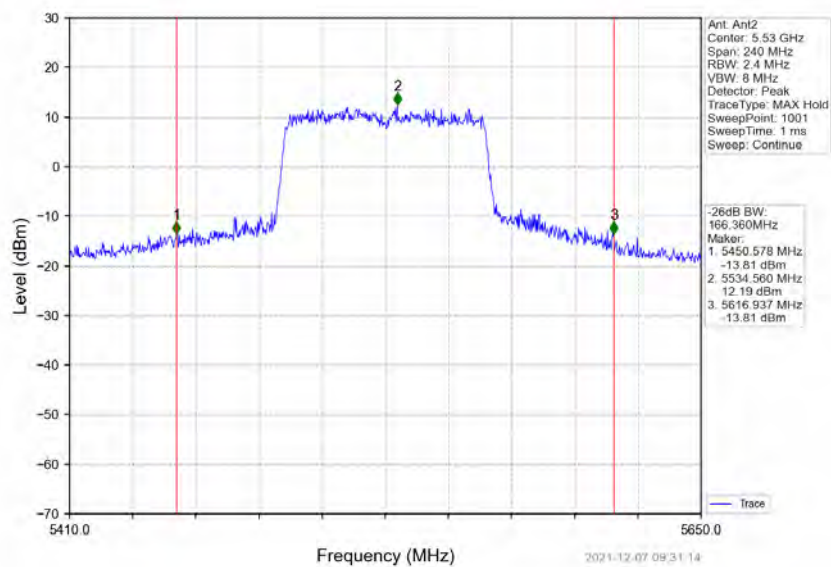
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802.11ac(VHT80)_LCH_5530MHz_Ant1_NTNV



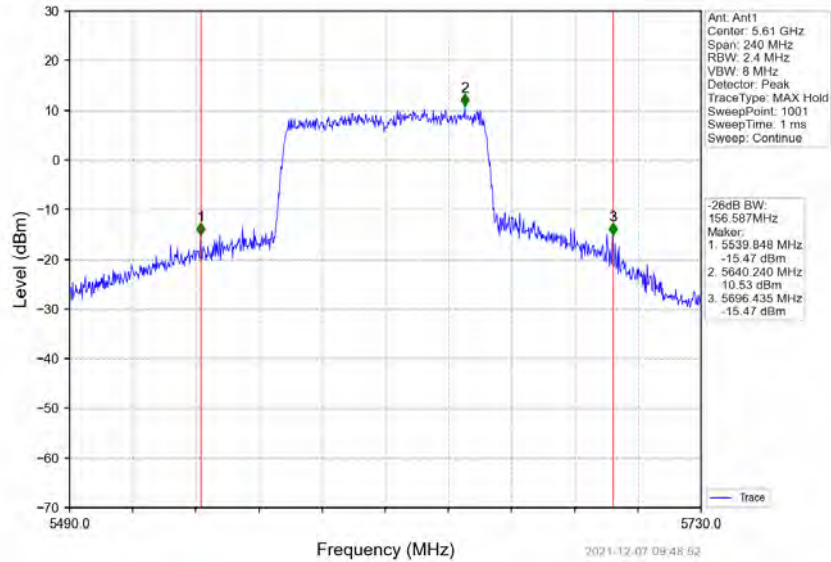
802.11ac(VHT80)_LCH_5530MHz_Ant2_NTNV



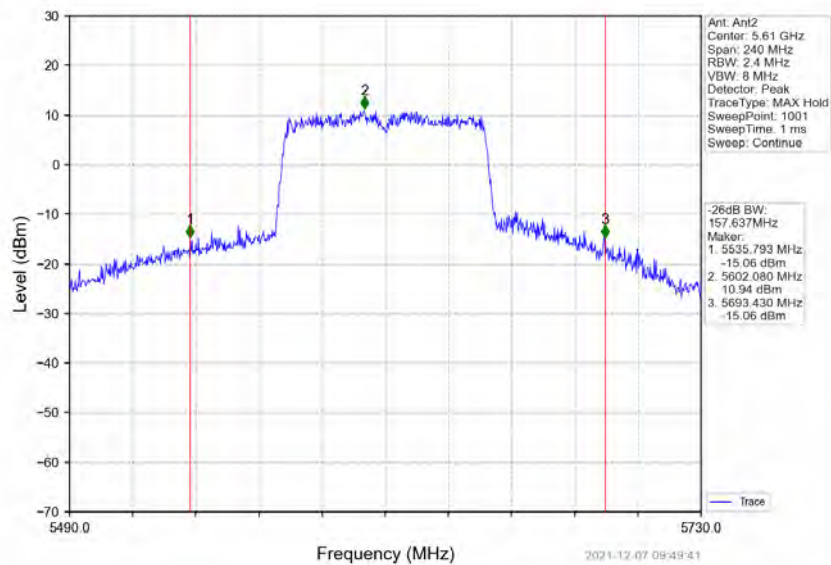
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802.11ac(VHT80)_HCH_5610MHz_Ant1_NTNV



802.11ac(VHT80)_HCH_5610MHz_Ant2_NTNV



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3. Maximum Conducted Output Power

3.1 Power

3.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)				Verdict
			Ant1	Ant2	MIMO	Limit	
802.11a	SISO	5180	14.62	14.88	/	<=23.19	Pass
		5200	14.41	14.66	/	<=23.19	Pass
		5240	14.64	14.60	/	<=23.19	Pass
		5260	14.79	14.90	/	<=23.19	Pass
		5300	15.09	14.77	/	<=23.19	Pass
		5320	14.76	14.82	/	<=23.19	Pass
		5500	14.90	15.32	/	<=23.19	Pass
		5580	13.36	14.22	/	<=23.19	Pass
		5700	13.75	13.41	/	<=23.19	Pass
		5745	13.56	13.98	/	<=29.19	Pass
		5785	13.94	13.77	/	<=29.19	Pass
802.11n (HT20)	MIMO	5180	12.54	13.03	15.80	<=21.08	Pass
		5200	12.93	13.22	16.09	<=21.08	Pass
		5240	13.11	13.10	16.12	<=21.08	Pass
		5260	14.57	15.07	17.84	<=21.08	Pass
		5300	14.89	14.67	17.79	<=21.08	Pass
		5320	14.77	15.01	17.90	<=21.08	Pass
		5500	14.61	15.21	17.93	<=21.08	Pass
		5580	13.93	14.32	17.14	<=21.08	Pass
		5700	13.99	14.04	17.03	<=21.08	Pass
802.11n (HT40)	MIMO	5745	13.57	14.01	16.81	<=27.08	Pass
		5785	13.78	13.56	16.68	<=27.08	Pass
		5825	13.92	13.86	16.90	<=27.08	Pass
		5190	15.26	15.37	18.33	<=21.08	Pass
		5230	15.36	15.15	18.27	<=21.08	Pass
		5270	14.02	14.48	17.27	<=21.08	Pass
		5310	15.20	14.90	18.06	<=21.08	Pass
		5510	14.56	15.78	18.22	<=21.08	Pass
802.11ac (VHT20)	MIMO	5550	14.22	14.95	17.61	<=21.08	Pass
		5670	12.92	13.22	16.08	<=21.08	Pass
		5755	12.97	14.11	16.59	<=27.08	Pass
		5795	13.07	13.74	16.43	<=27.08	Pass
		5180	13.69	13.23	16.48	<=21.08	Pass
		5200	13.37	12.77	16.09	<=21.08	Pass
		5240	13.17	13.22	16.21	<=21.08	Pass
		5260	12.71	13.52	16.14	<=21.08	Pass
802.11ac	MIMO	5300	12.91	13.10	16.02	<=21.08	Pass
		5320	12.93	13.20	16.08	<=21.08	Pass
		5500	12.78	13.63	16.24	<=21.08	Pass
		5580	12.94	12.88	15.92	<=21.08	Pass
		5700	12.92	12.33	15.65	<=21.08	Pass
		5745	12.84	12.35	15.61	<=27.08	Pass
		5785	13.26	13.07	16.18	<=27.08	Pass
		5825	12.34	12.22	15.29	<=27.08	Pass
802.11ac	MIMO	5190	13.75	13.49	16.63	<=21.08	Pass



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(VHT40)		5230	13.26	12.65	15.98	<=21.08	Pass
		5270	13.01	12.79	15.91	<=21.08	Pass
		5310	13.02	13.04	16.04	<=21.08	Pass
		5510	12.43	13.62	16.08	<=21.08	Pass
		5550	11.85	12.29	15.09	<=21.08	Pass
		5670	11.91	11.82	14.88	<=21.08	Pass
		5755	11.41	12.41	14.95	<=27.08	Pass
		5795	11.84	12.19	15.03	<=27.08	Pass
802.11ac (VHT80)	MIMO	5210	12.51	12.48	15.51	<=21.08	Pass
		5290	12.14	12.53	15.35	<=21.08	Pass
		5530	12.90	13.44	16.19	<=21.08	Pass
		5610	11.09	12.17	14.67	<=21.08	Pass
		5775	11.70	12.36	15.05	<=27.08	Pass

Note1: Antenna Gain: Ant1: 4.91dBi; Ant2: 6.81dBi;
 Note2: Directional Gain: 8.92dBi
 Note3: The EUT 802.11a mode supports SISO transmission. The Gain of each antenna is 4.91dBi and 6.81dBi. Therefore, the power limit should be reduced from the part exceeding 6.
 For Ant 1 5150-5700: 24.00dBm & 5725-5850: 30.00dBm;
 For Ant 2 5150-5700: 23.19dBm & 5725-5850: 29.19dBm, we only present the most stringent requirements in the table.



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