

Appendix B for-KSCR220100003002-FCC-5G-MT7668

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	1.391	1.490	93.36	0.30	0.06
		5200	1.391	1.490	93.36	0.30	0.03
		5240	1.391	1.490	93.36	0.30	0.00
		5745	1.392	1.490	93.42	0.30	0.03
		5785	1.391	1.490	93.36	0.30	0.03
		5825	1.391	1.490	93.36	0.30	0.03
802.11n (HT20)	MIMO	5180	1.300	1.398	92.99	0.32	0.00
		5200	1.300	1.398	92.99	0.32	0.03
		5240	1.299	1.398	92.92	0.32	0.03
		5745	1.299	1.398	92.92	0.32	0.03
		5785	1.300	1.398	92.99	0.32	0.00
		5825	1.299	1.398	92.92	0.32	0.00
802.11n (HT40)	MIMO	5190	0.648	0.746	86.86	0.61	0.04
		5230	0.648	0.747	86.75	0.62	0.03
		5755	0.648	0.746	86.86	0.61	0.04
		5795	0.648	0.746	86.86	0.61	0.03
802.11ac (VHT20)	MIMO	5180	1.312	1.410	93.05	0.31	0.03
		5200	1.311	1.410	92.98	0.32	0.00
		5240	1.312	1.410	93.05	0.31	0.03
		5745	1.312	1.411	92.98	0.32	0.00
		5785	1.311	1.410	92.98	0.32	0.00
		5825	1.312	1.410	93.05	0.31	0.00
802.11ac (VHT40)	MIMO	5190	0.652	0.750	86.93	0.61	0.04
		5230	0.652	0.750	86.93	0.61	0.04
		5755	0.652	0.750	86.93	0.61	0.04
		5795	0.652	0.750	86.93	0.61	0.04
802.11ac (VHT80)	MIMO	5210	0.325	0.423	76.83	1.14	0.06
		5775	0.324	0.422	76.78	1.15	0.06



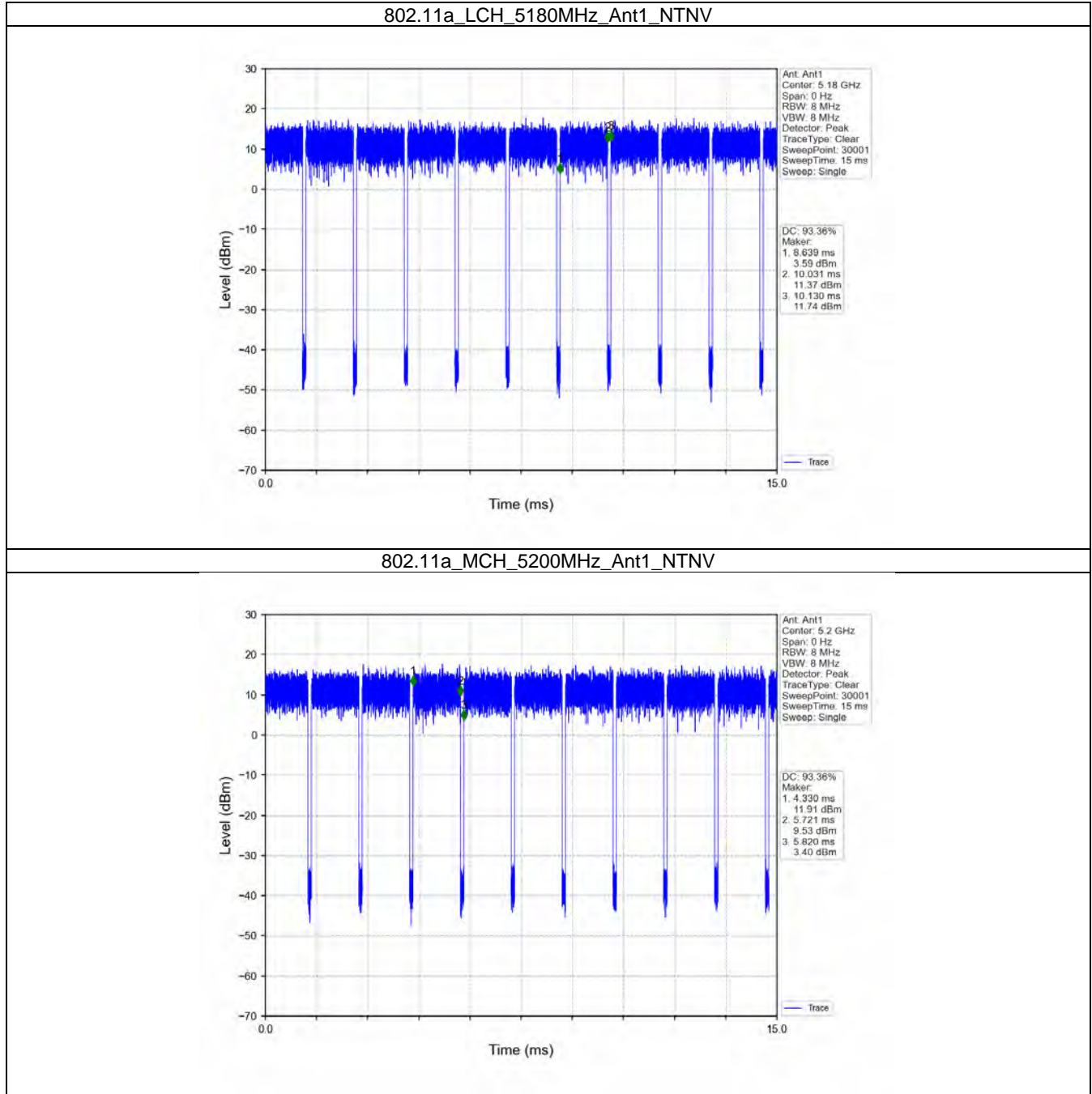
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1.1.2 Test Graph



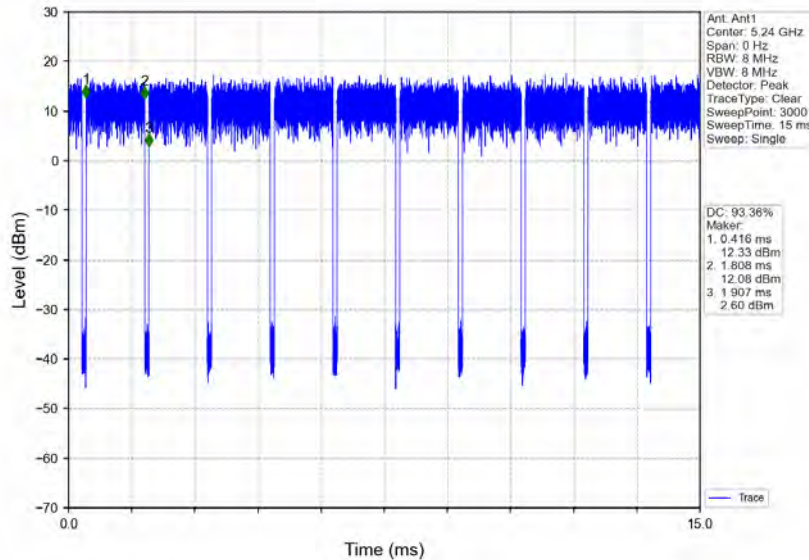
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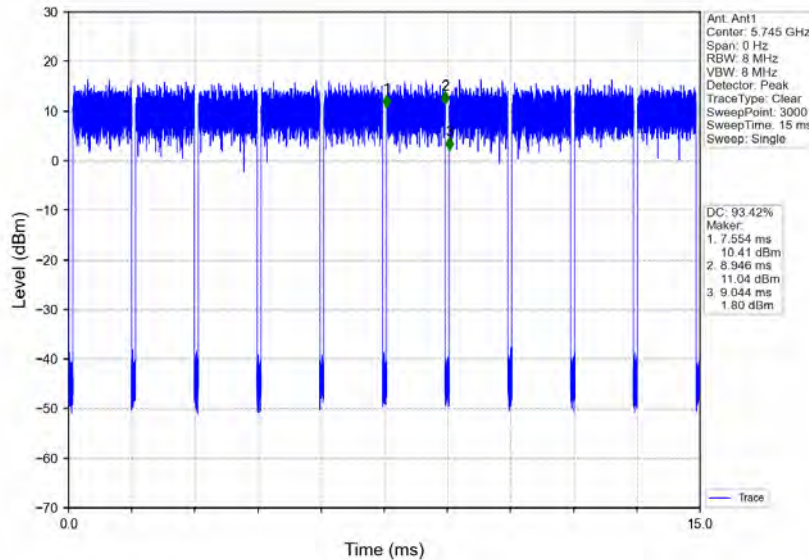
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802.11a_HCH_5240MHz_Ant1_NTNV



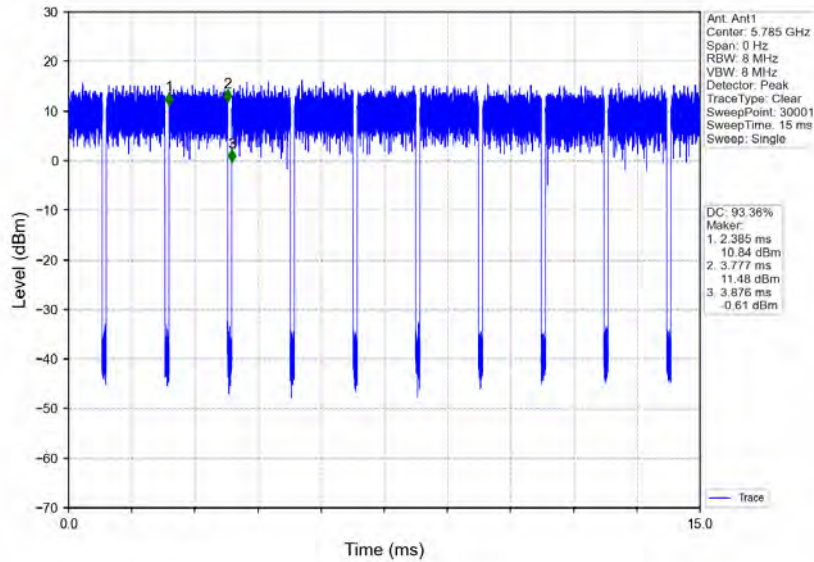
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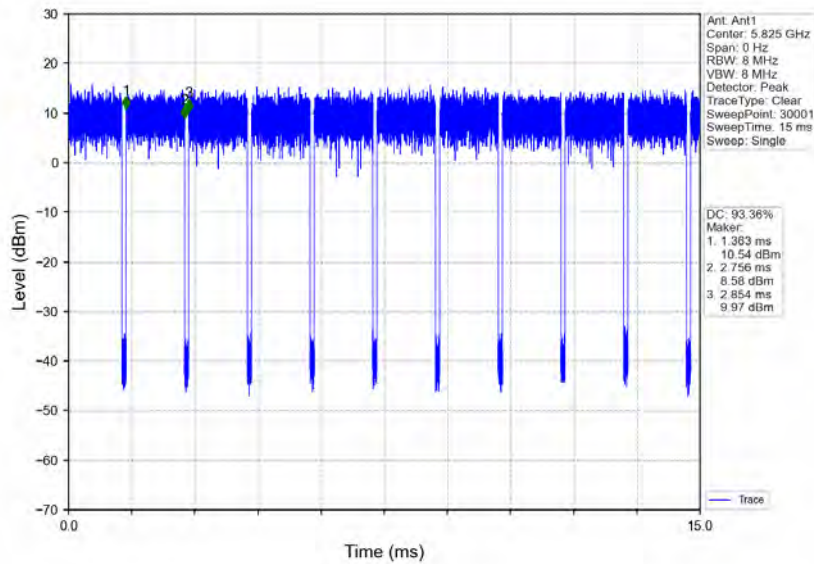
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802.11a_MCH_5785MHz_Ant1_NTNV



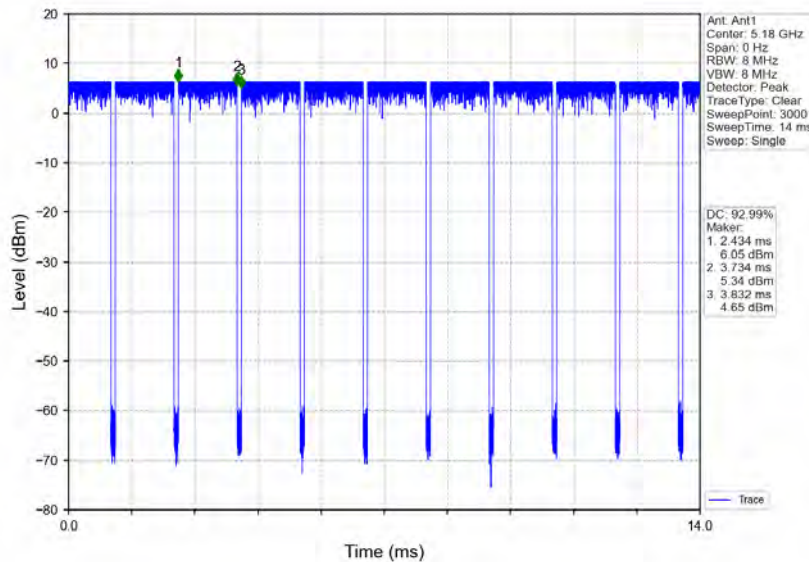
802.11a_HCH_5825MHz_Ant1_NTNV



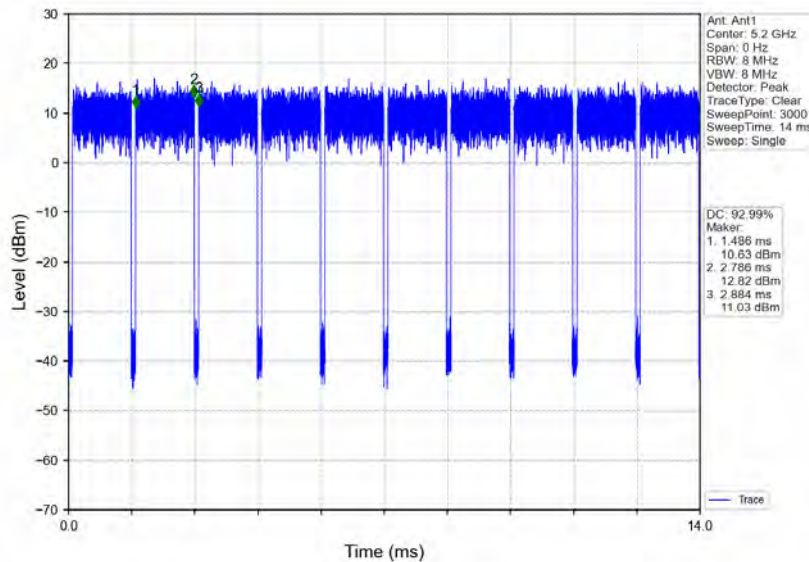
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802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



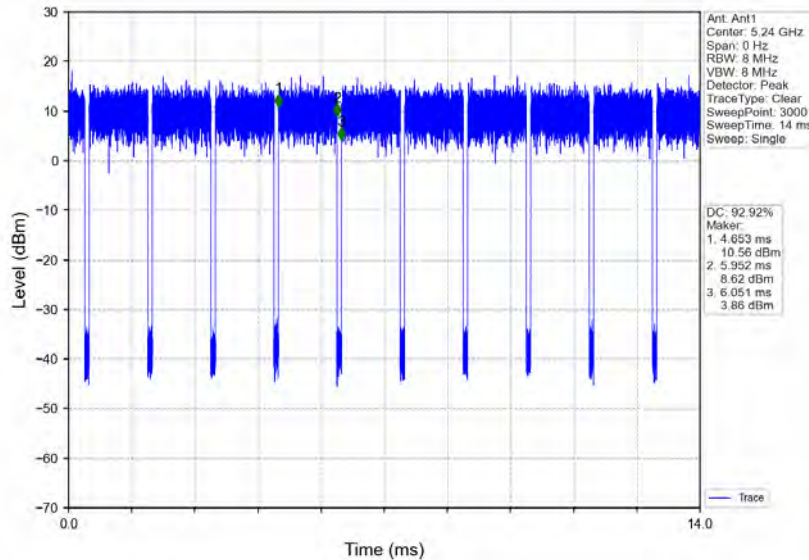
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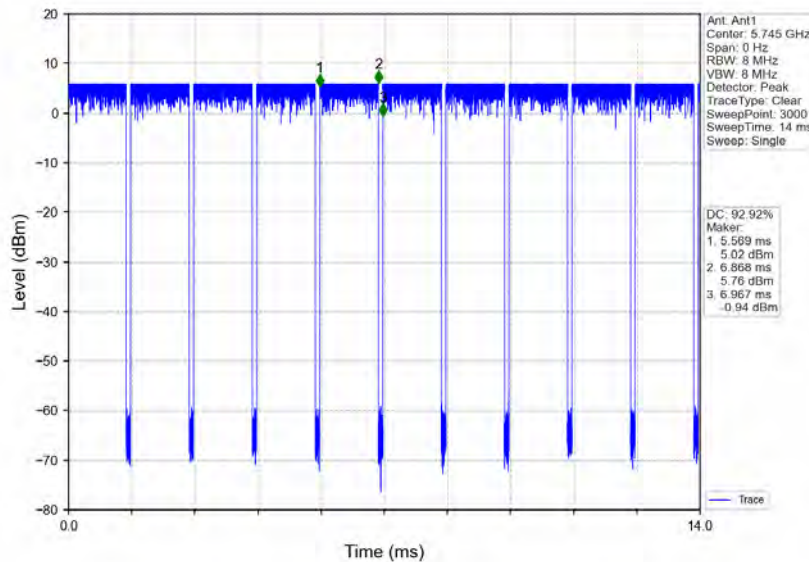
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802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



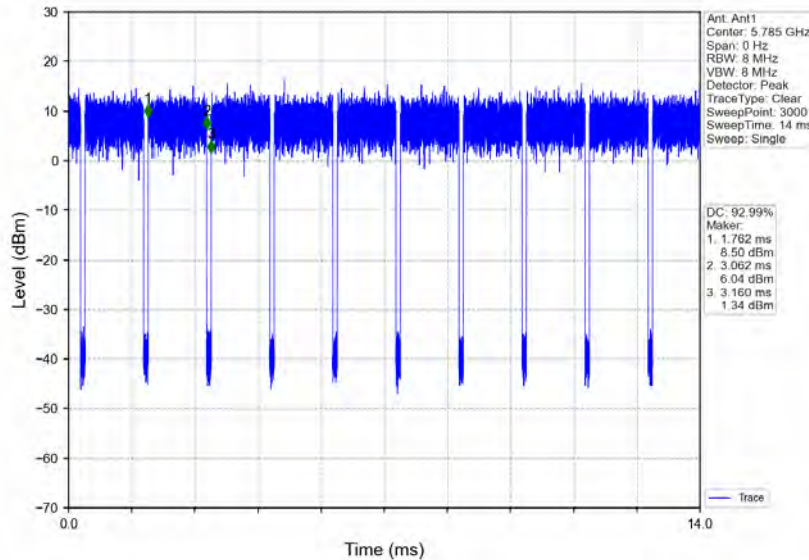
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



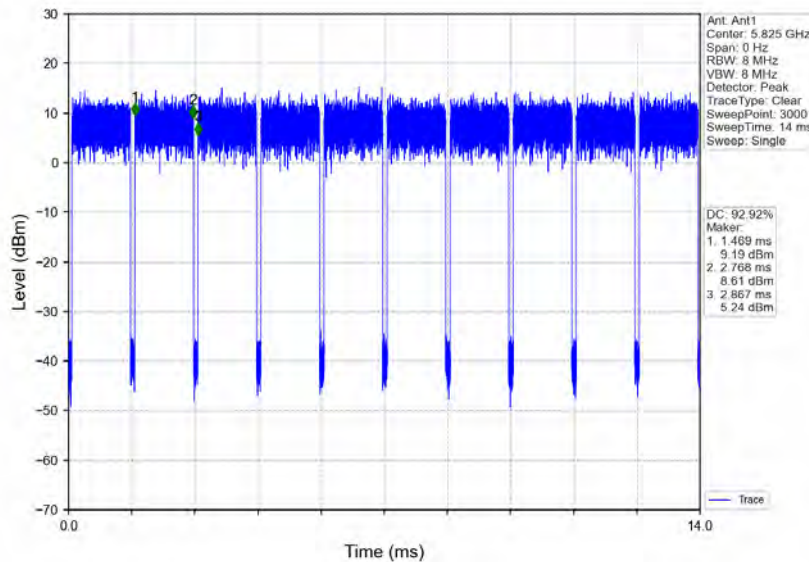
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802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



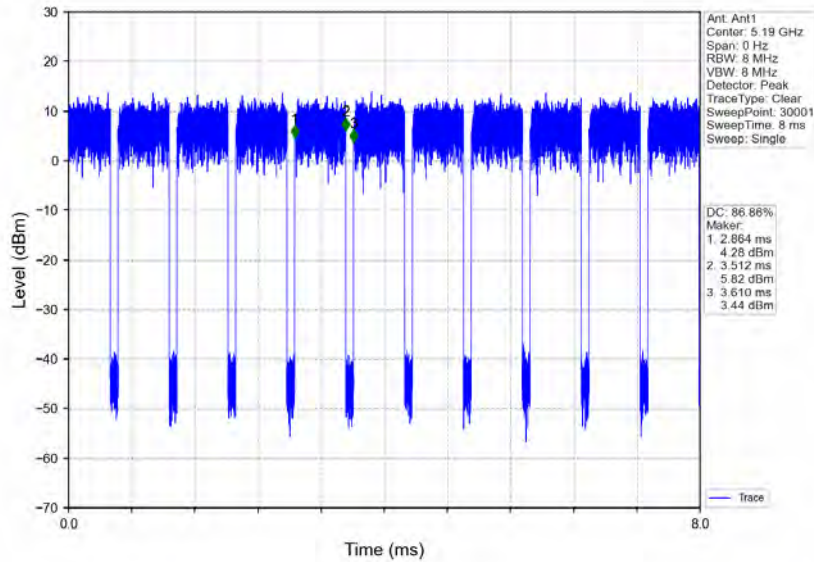
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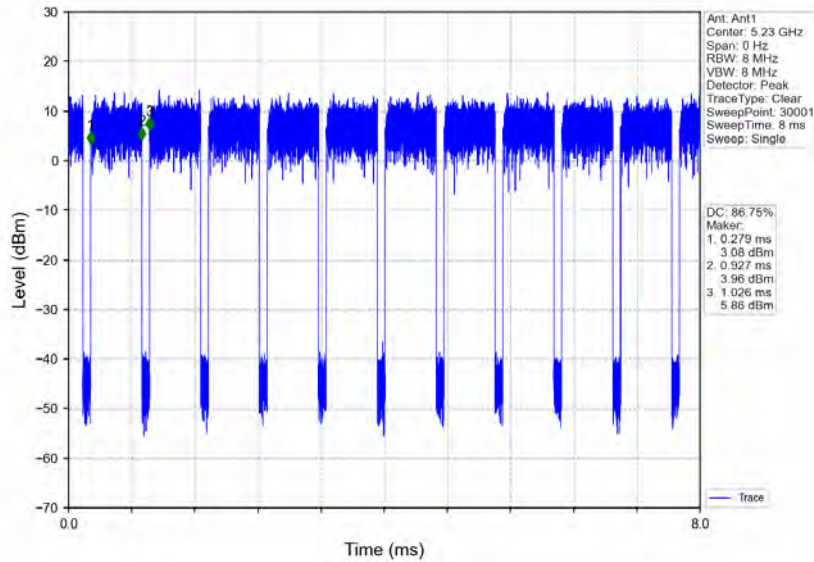
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802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



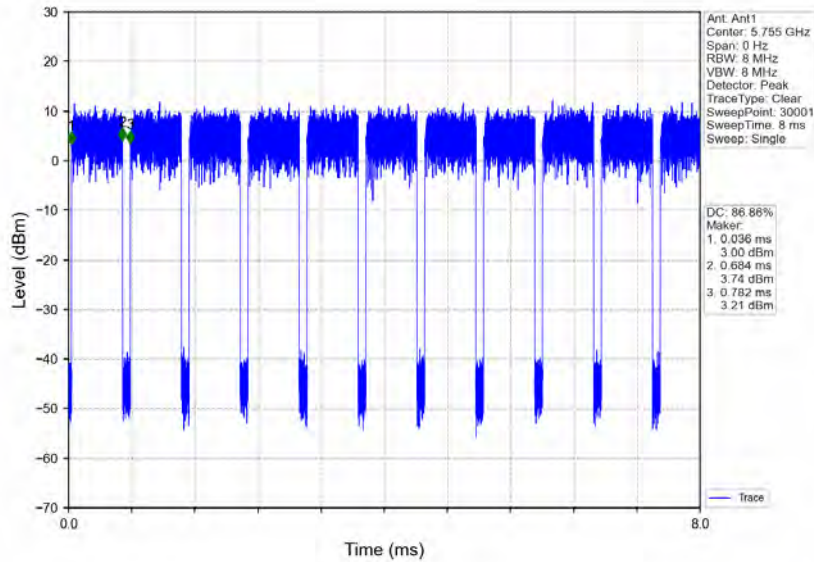
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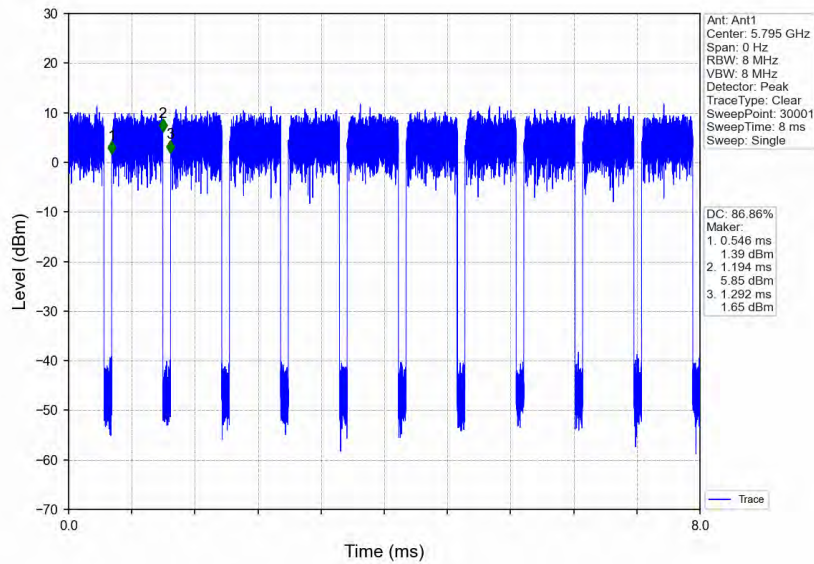
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802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



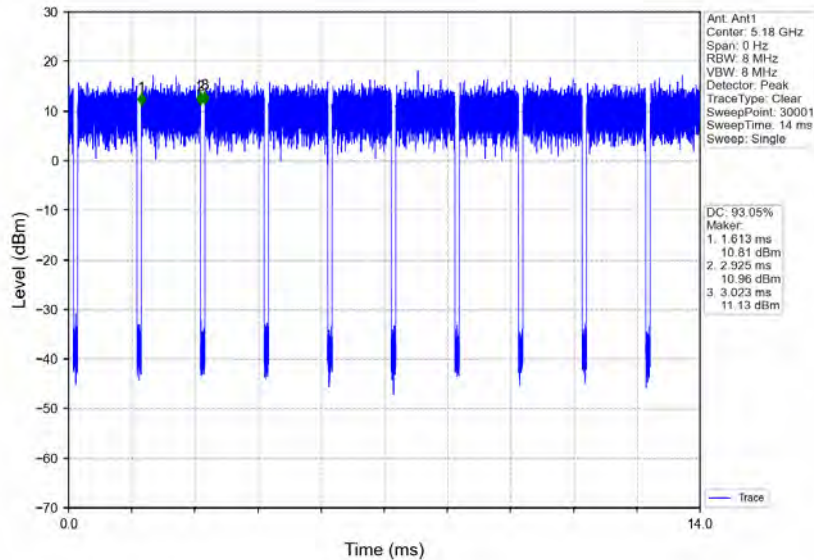
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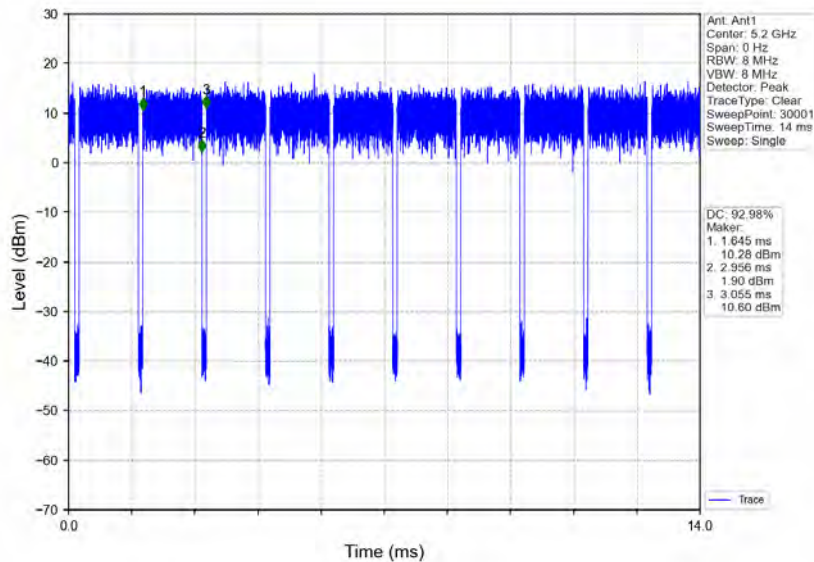
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802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



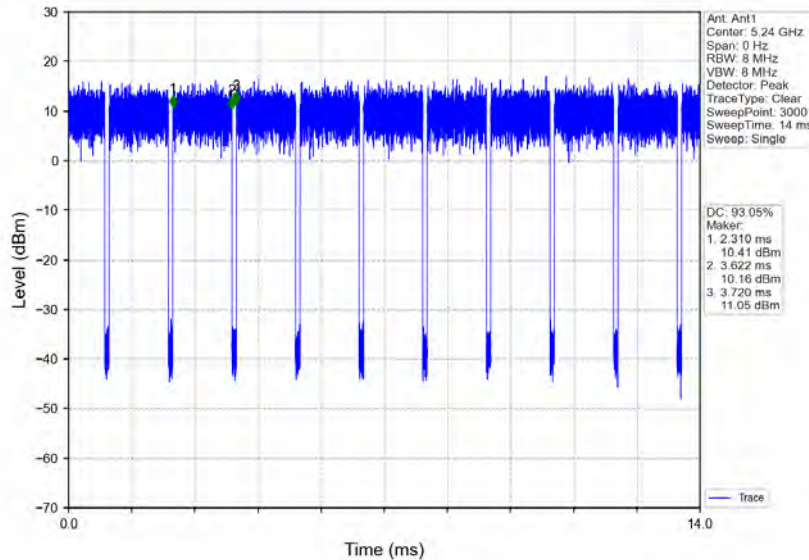
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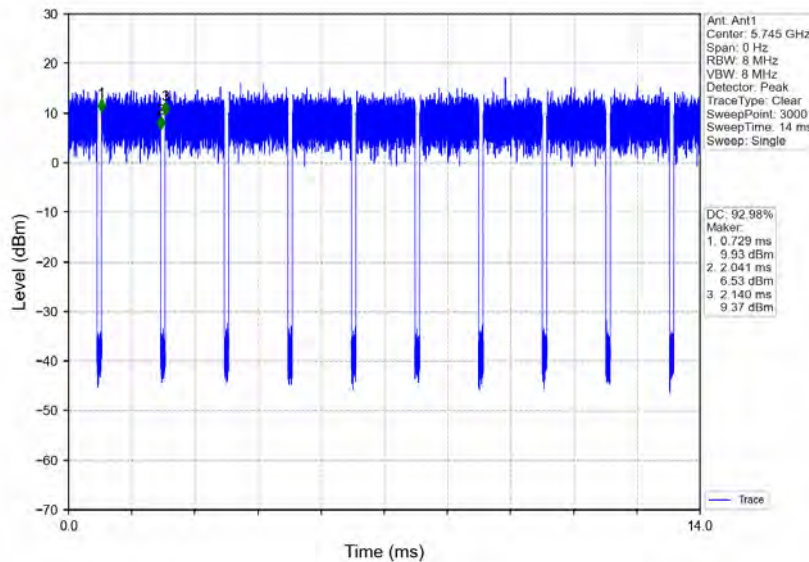
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802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



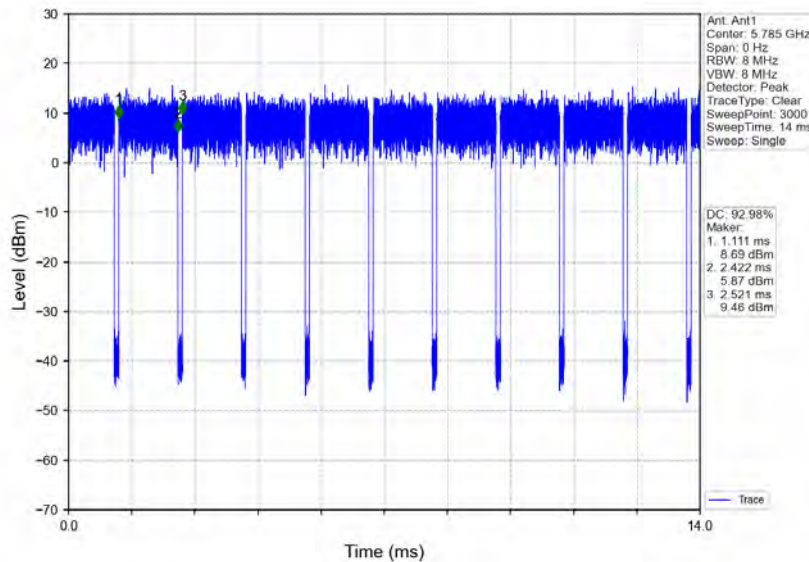
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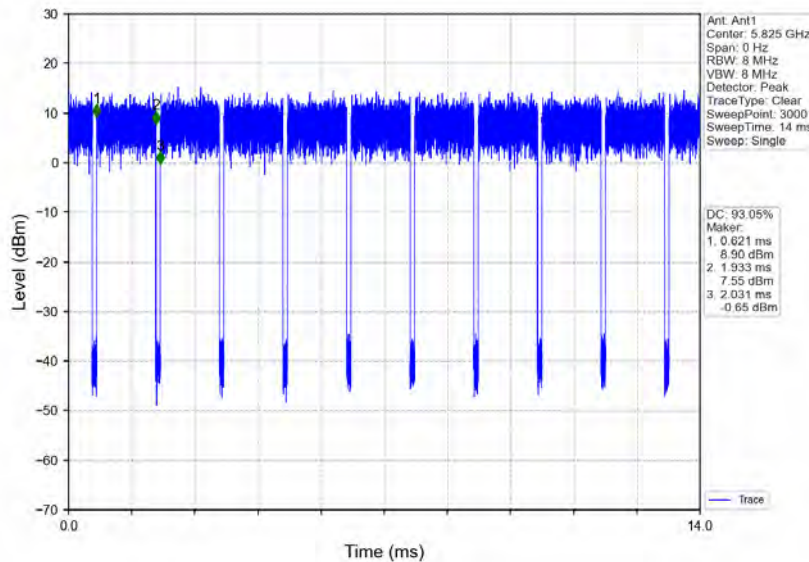
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802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



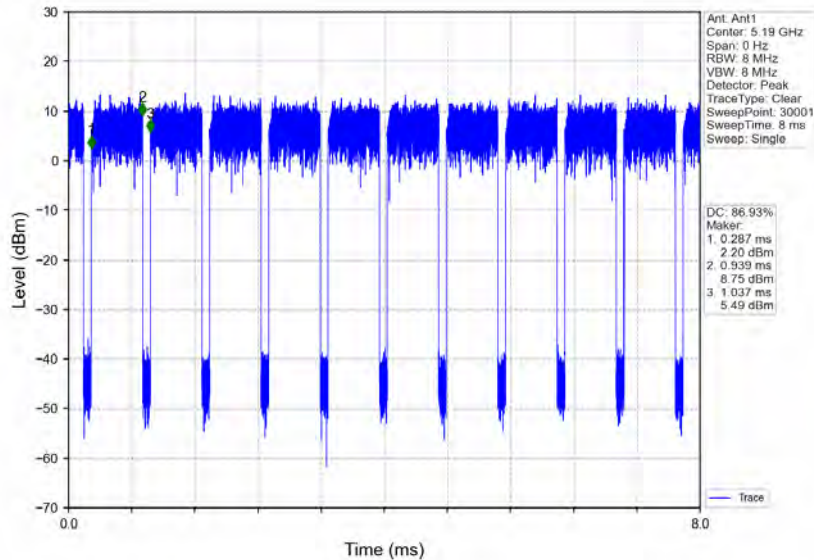
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



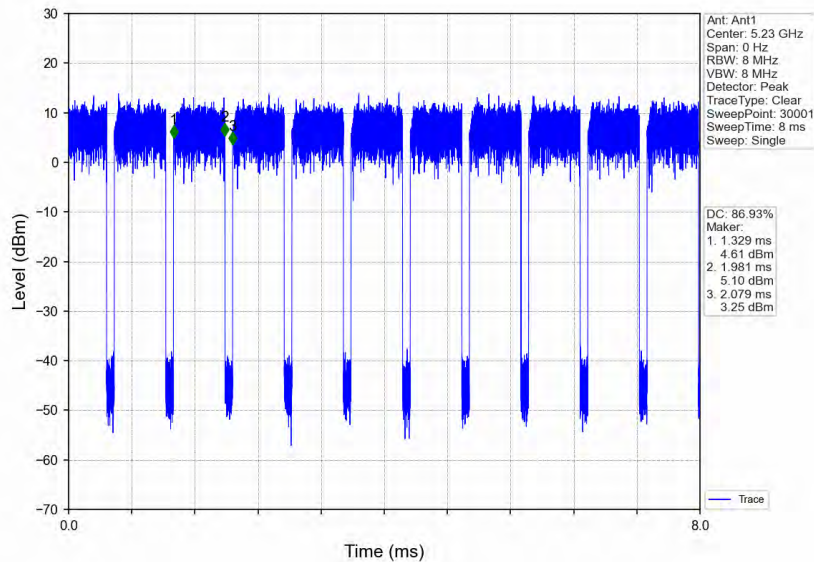
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802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



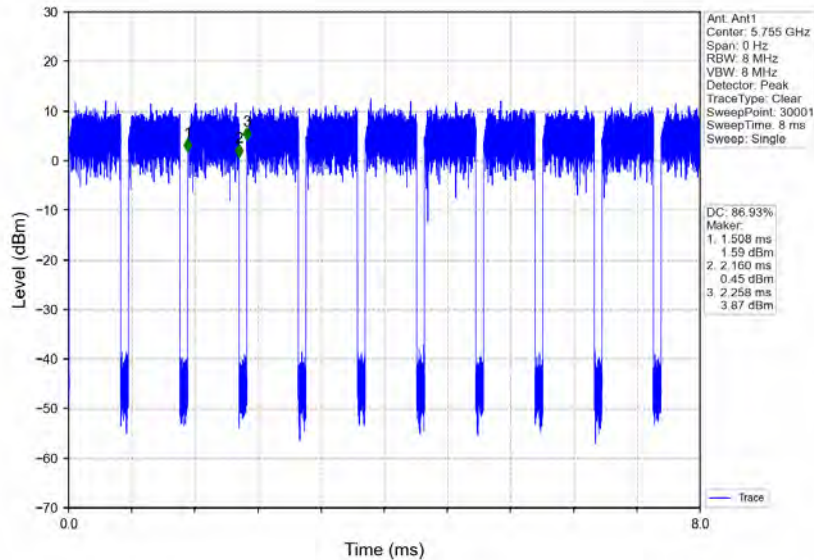
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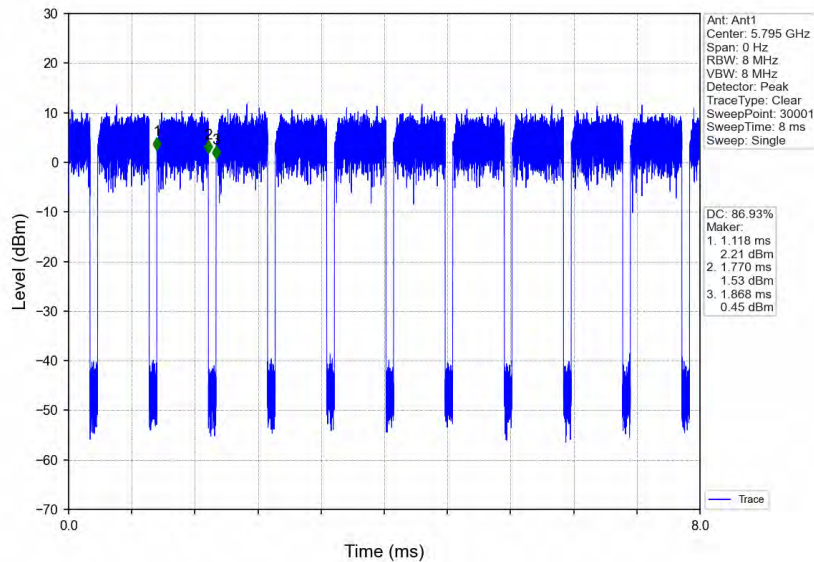
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802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



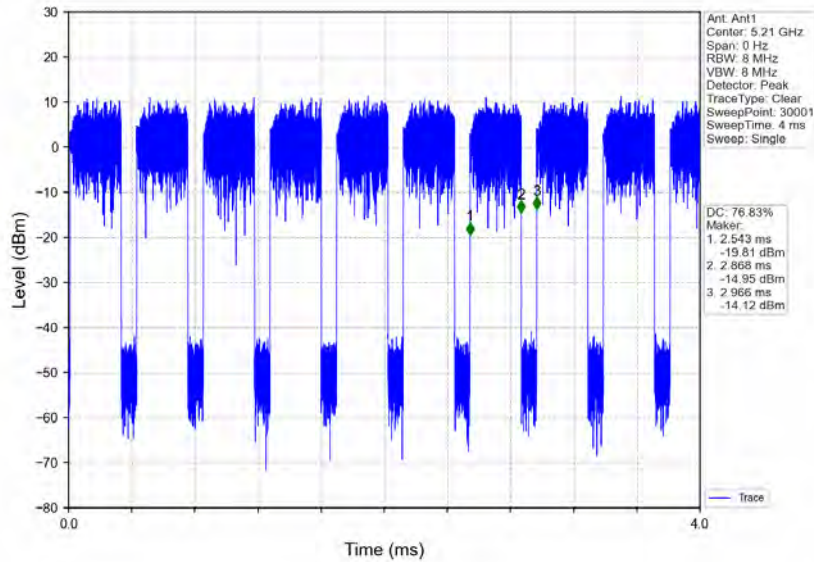
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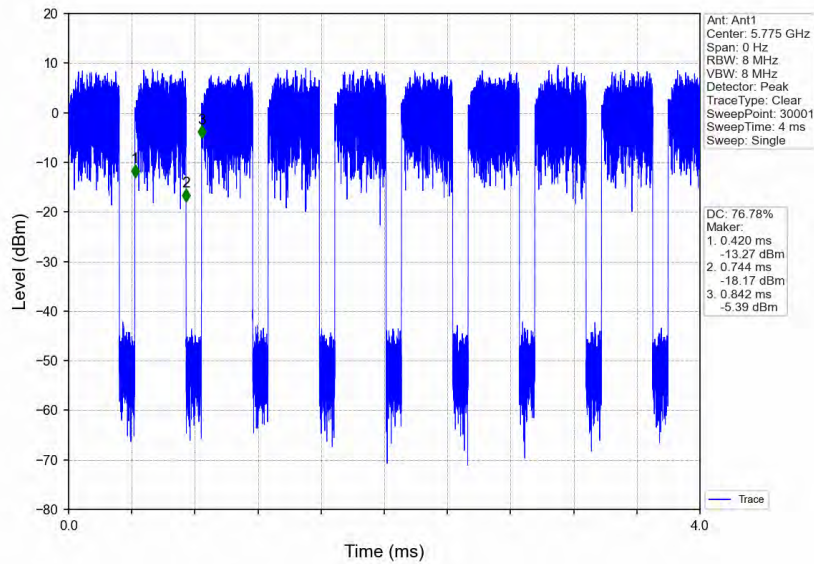
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802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



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2. Bandwidth

2.1 OBW

2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Ant	99% Occupied Bandwidth (MHz)	Verdict
				Result	
802.11a	SISO	5180	1	17.200	Pass
			2	17.187	Pass
		5200	1	17.186	Pass
			2	17.189	Pass
		5240	1	17.319	Pass
			2	17.240	Pass
		5745	1	17.271	Pass
			2	17.277	Pass
		5785	1	17.263	Pass
			2	17.313	Pass
		5825	1	17.276	Pass
			2	17.308	Pass
802.11n (HT20)	MIMO	5180	1	18.066	Pass
			2	18.003	Pass
		5200	1	18.120	Pass
			2	18.078	Pass
		5240	1	18.047	Pass
			2	18.052	Pass
		5745	1	18.133	Pass
			2	18.105	Pass
		5785	1	18.110	Pass
			2	18.104	Pass
		5825	1	18.105	Pass
			2	18.091	Pass
802.11n (HT40)	MIMO	5190	1	36.581	Pass
			2	36.490	Pass
		5230	1	36.629	Pass
			2	36.472	Pass
		5755	1	36.549	Pass
			2	36.567	Pass
		5795	1	36.532	Pass
			2	36.564	Pass
802.11ac (VHT20)	MIMO	5180	1	18.050	Pass
			2	17.874	Pass
		5200	1	18.090	Pass
			2	18.010	Pass
		5240	1	18.007	Pass
			2	18.043	Pass
		5745	1	18.067	Pass
			2	18.075	Pass



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		5785	1	18.073	Pass
			2	18.059	Pass
		5825	1	18.058	Pass
			2	18.067	Pass
802.11ac (VHT40)	MIMO	5190	1	36.472	Pass
			2	36.339	Pass
		5230	1	36.462	Pass
			2	36.360	Pass
		5755	1	36.355	Pass
			2	36.361	Pass
5795	1	36.460	Pass		
	2	36.464	Pass		
802.11ac (VHT80)	MIMO	5210	1	76.496	Pass
			2	76.234	Pass
		5775	1	76.441	Pass
			2	76.435	Pass



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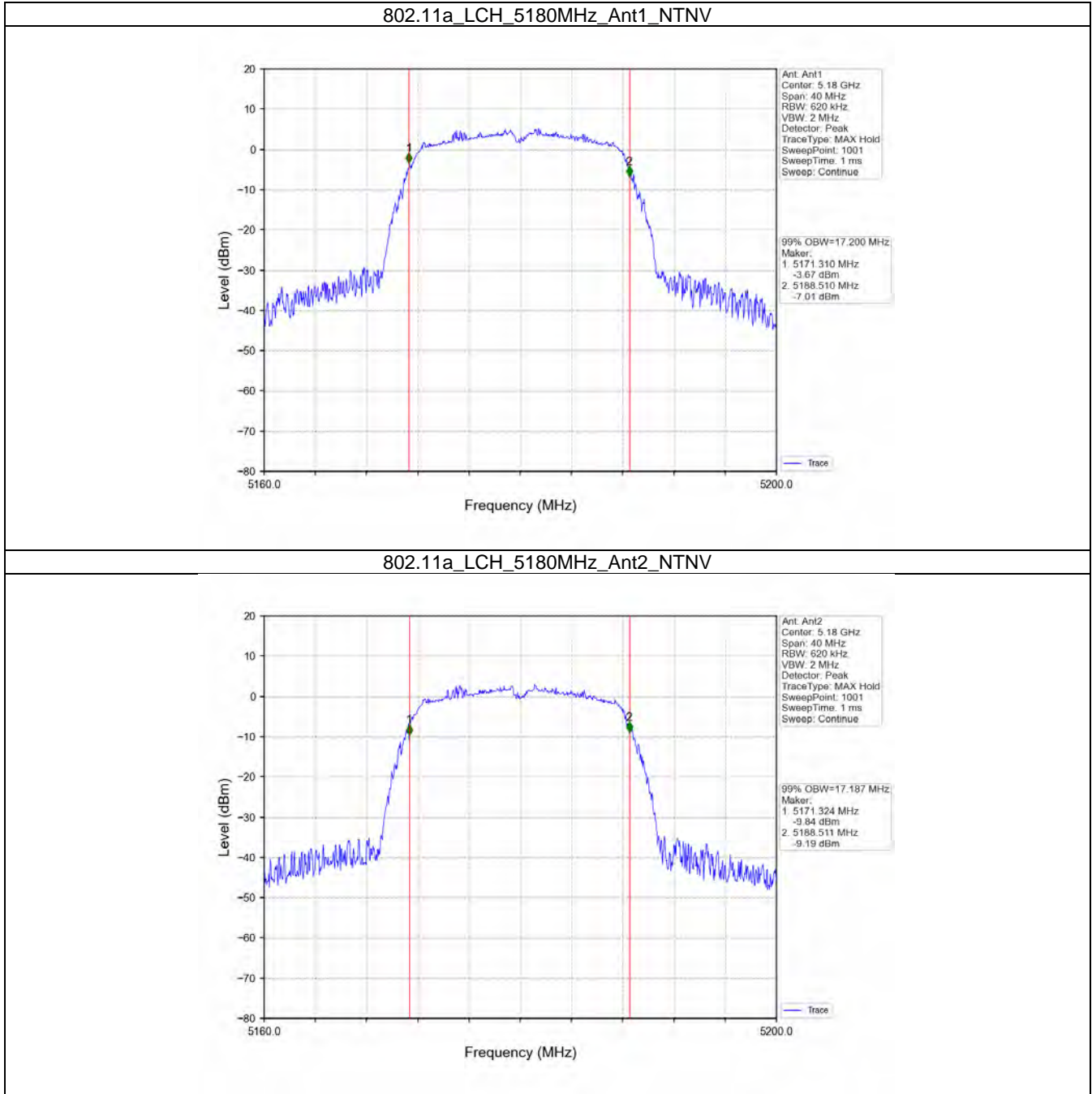
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2.1.2 Test Graph



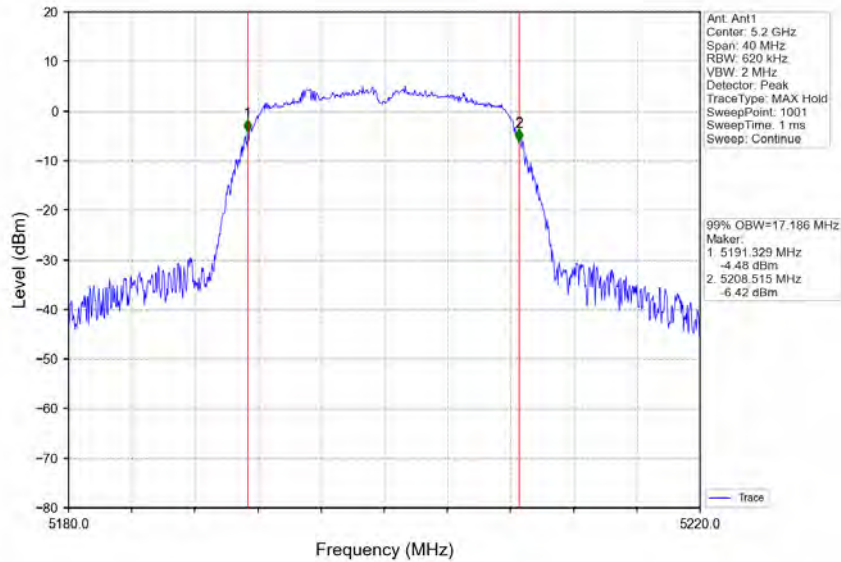
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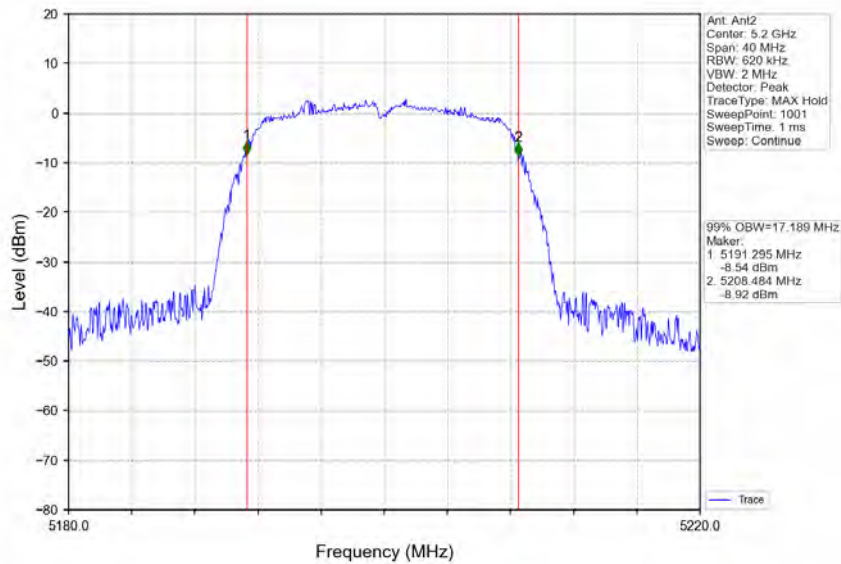
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802.11a_MCH_5200MHz_Ant1_NTNV



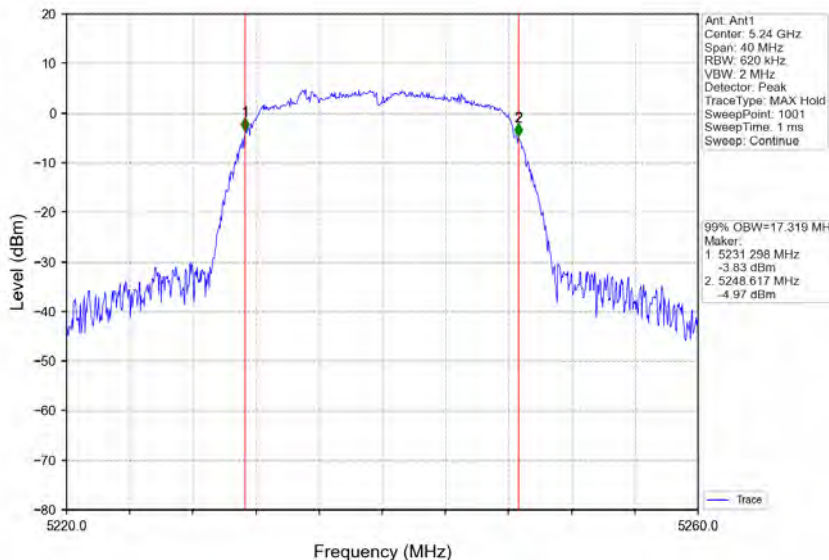
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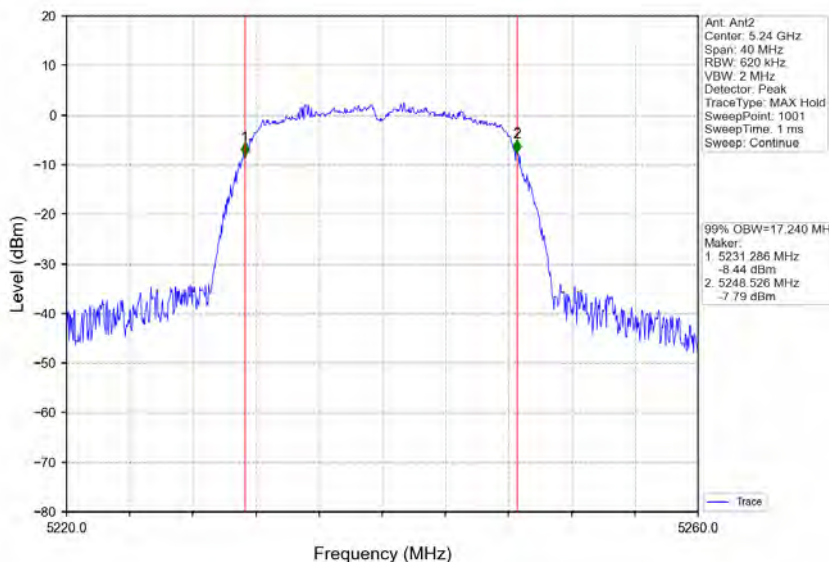
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802.11a_HCH_5240MHz_Ant1_NTNV



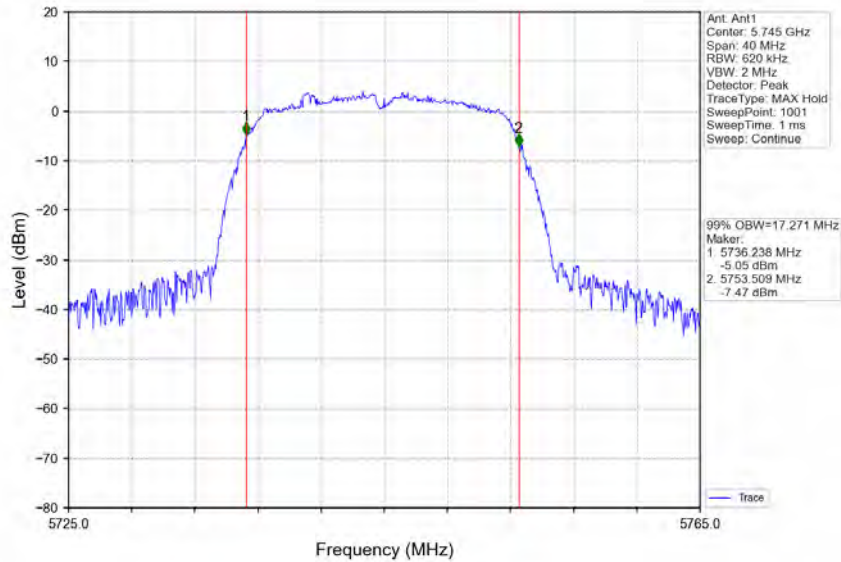
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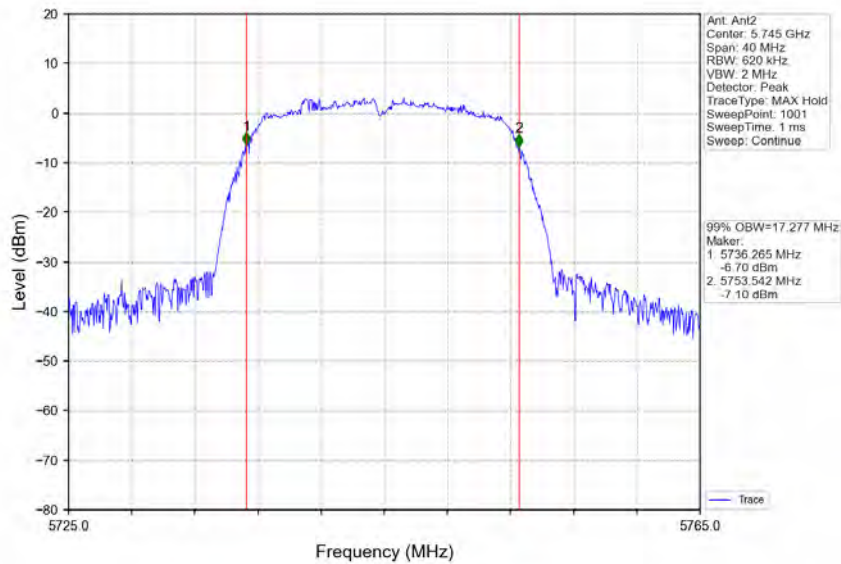
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802.11a_LCH_5745MHz_Ant1_NTNV



802.11a_LCH_5745MHz_Ant2_NTNV



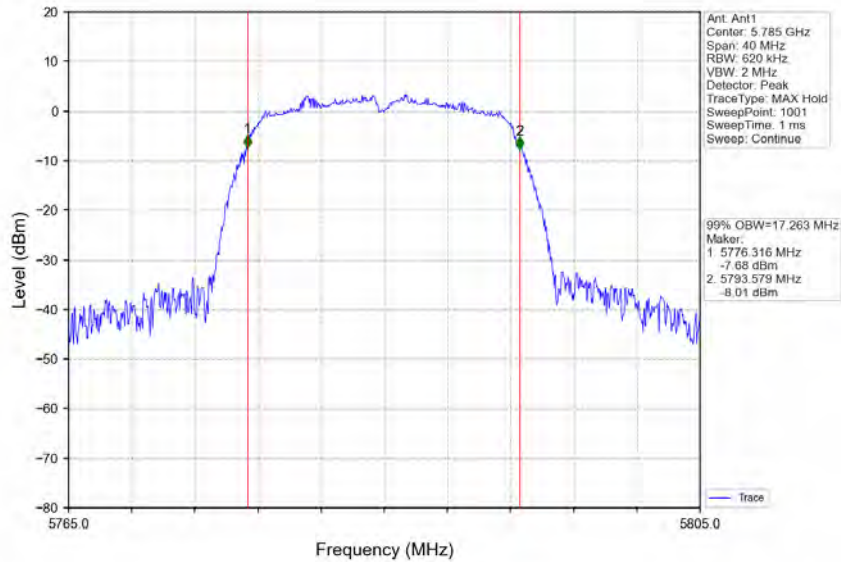
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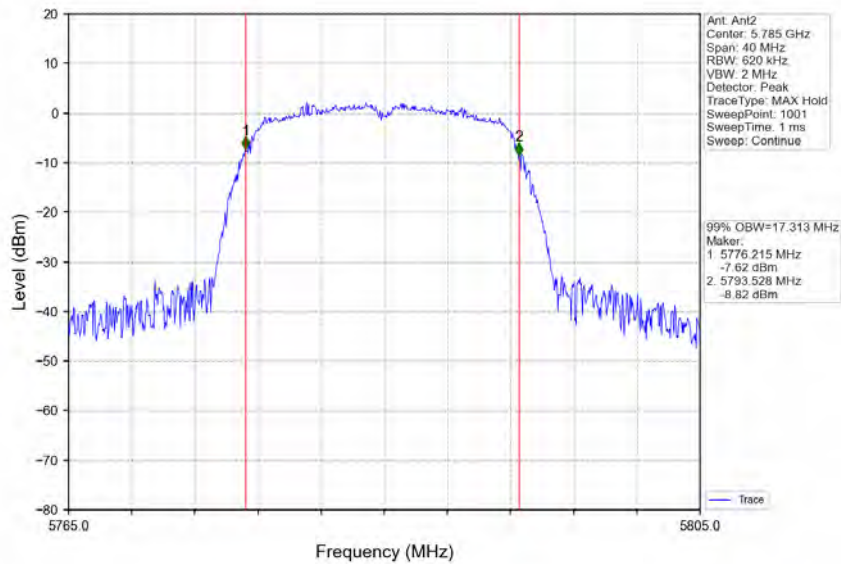
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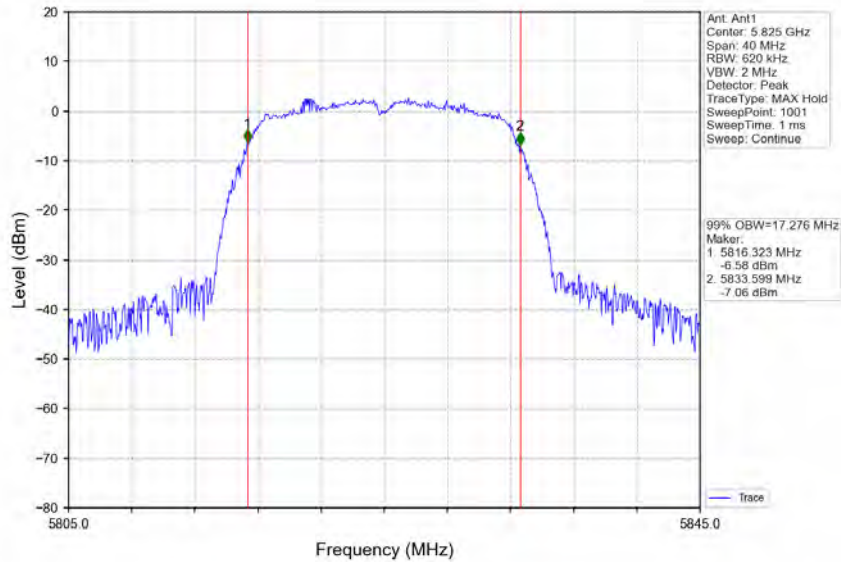
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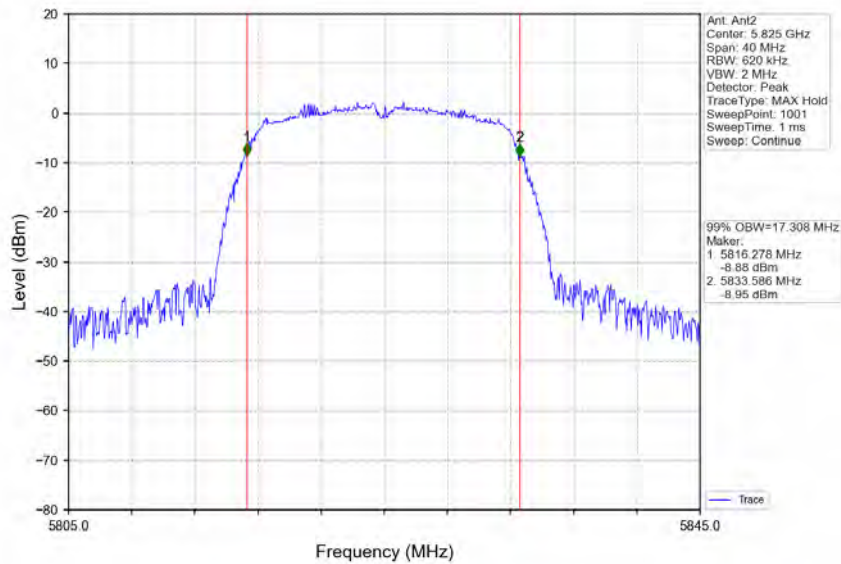
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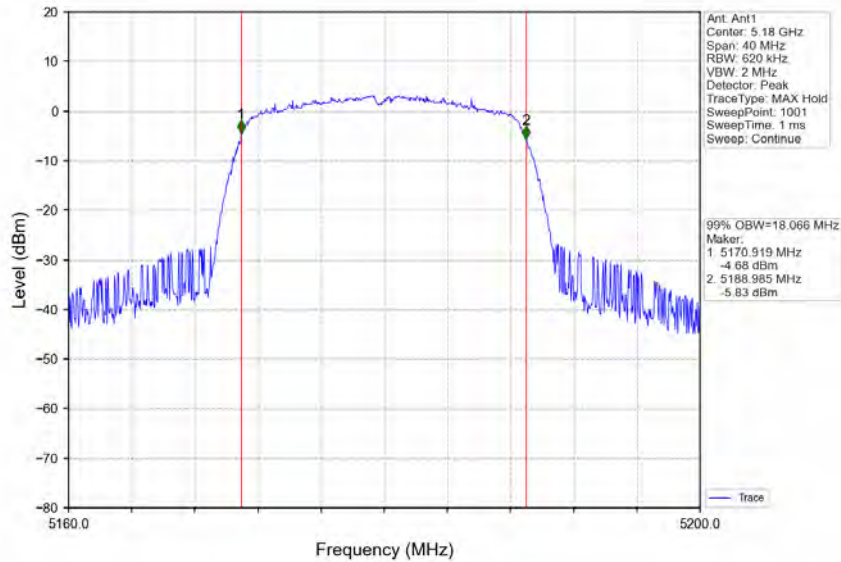
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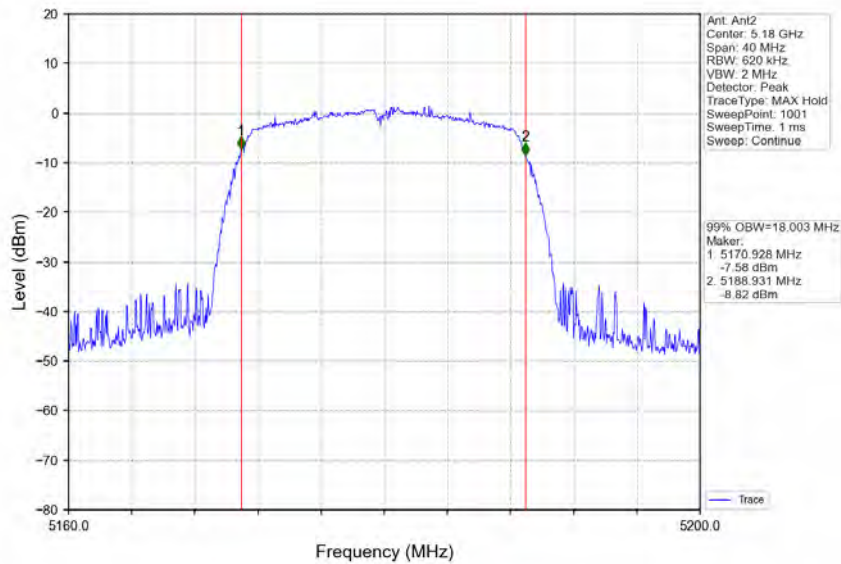
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802.11n(HT20)_LCH_5180MHz_Ant2_NTNV



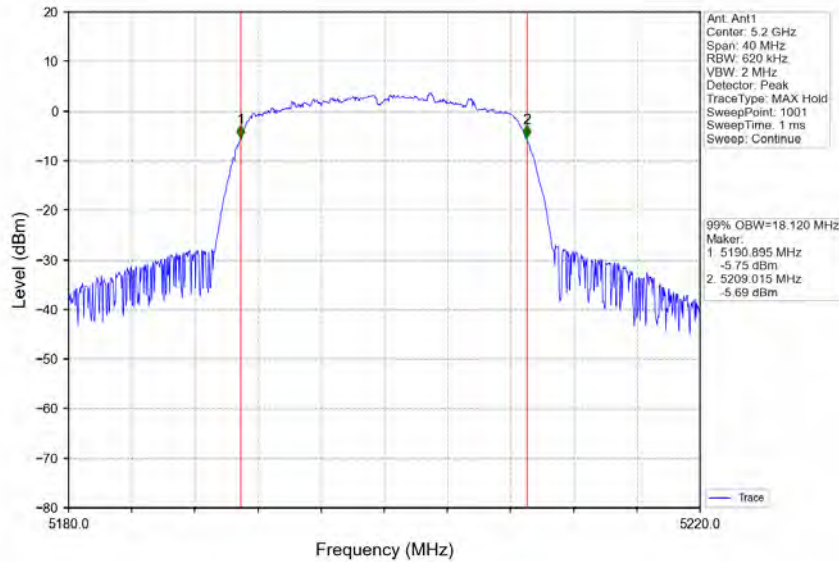
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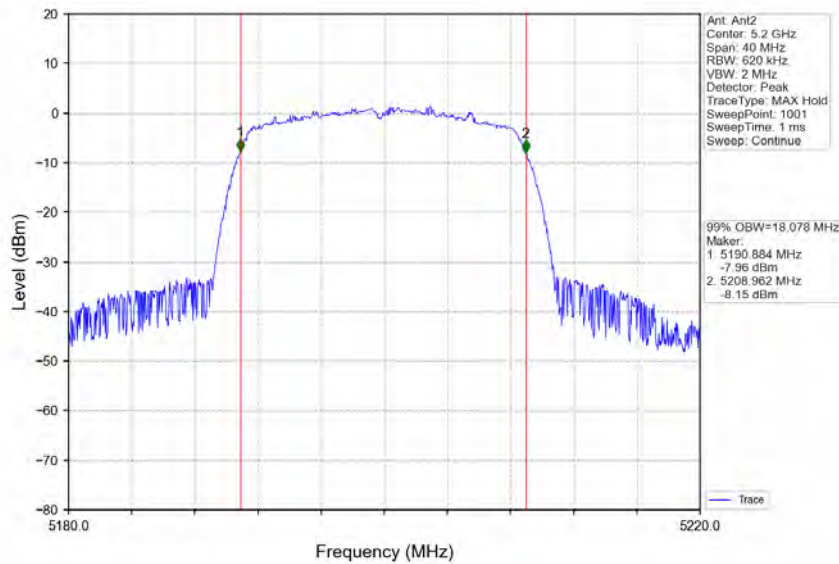
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802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



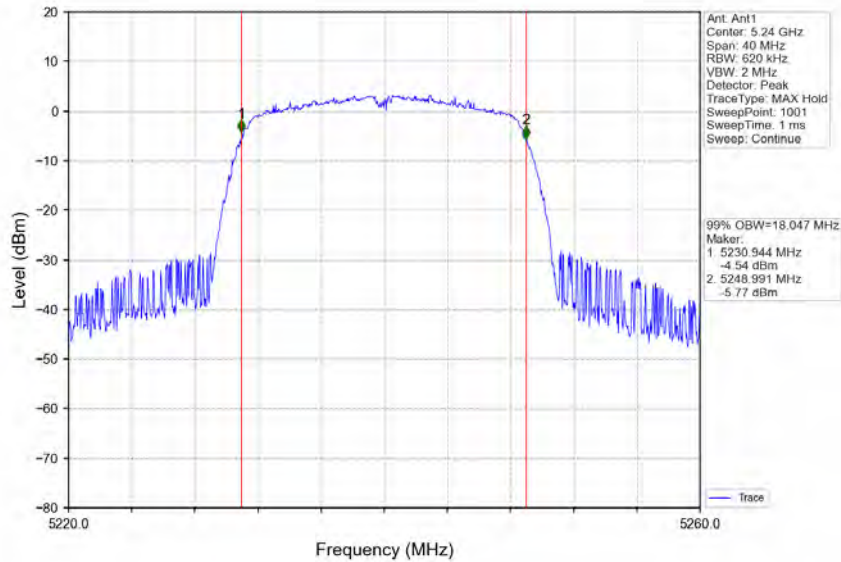
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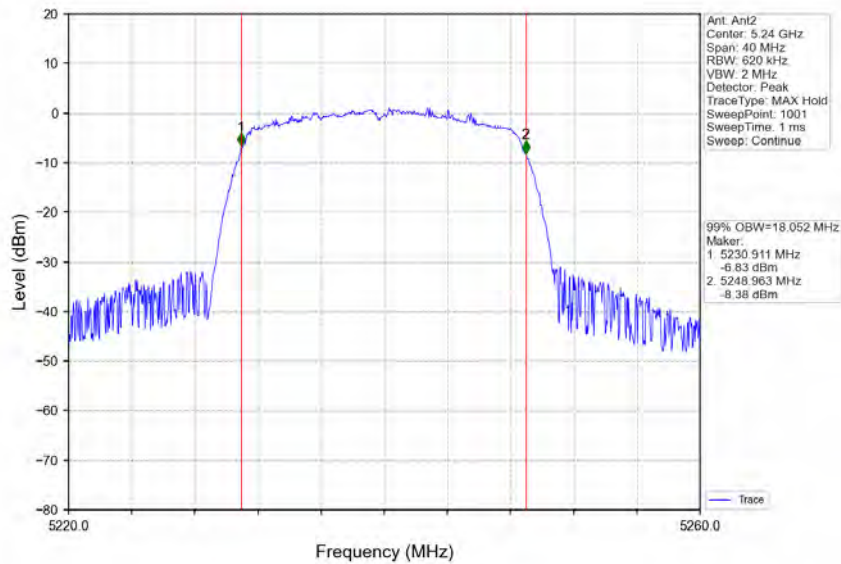
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802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



802.11n(HT20)_HCH_5240MHz_Ant2_NTNV



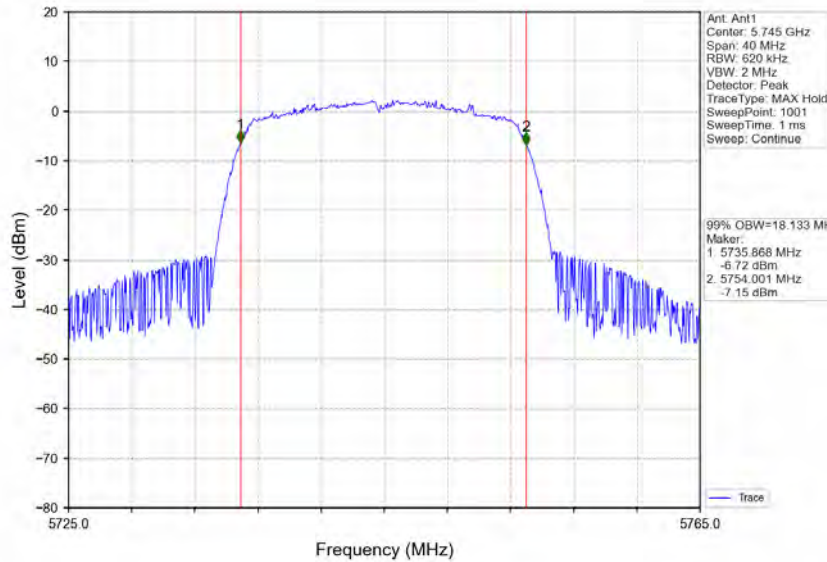
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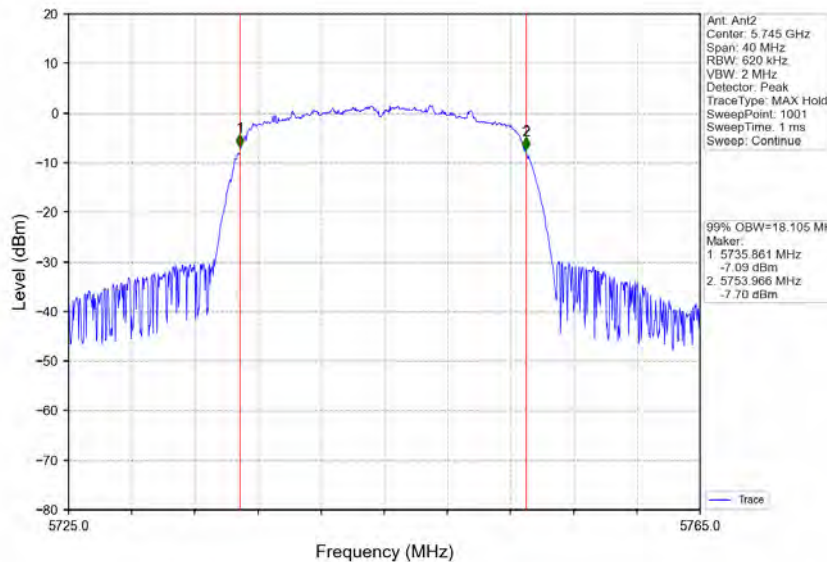
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802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



802.11n(HT20)_LCH_5745MHz_Ant2_NTNV



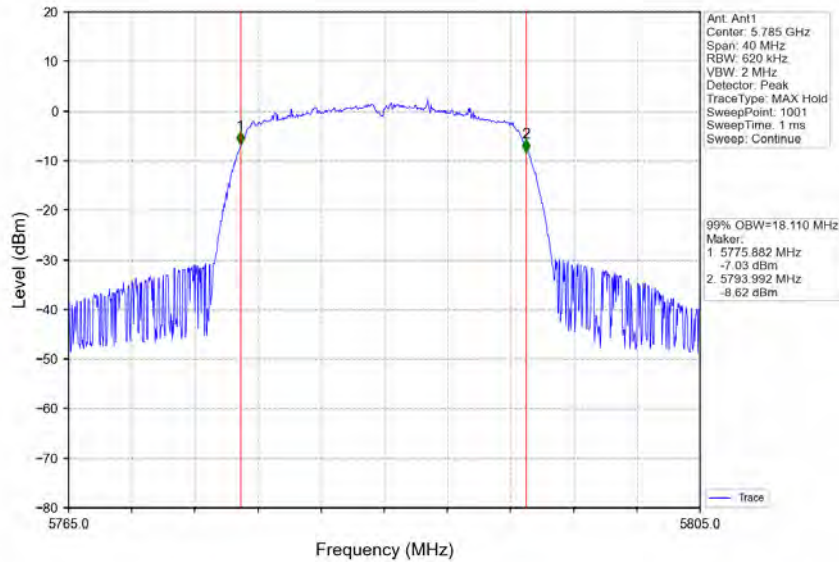
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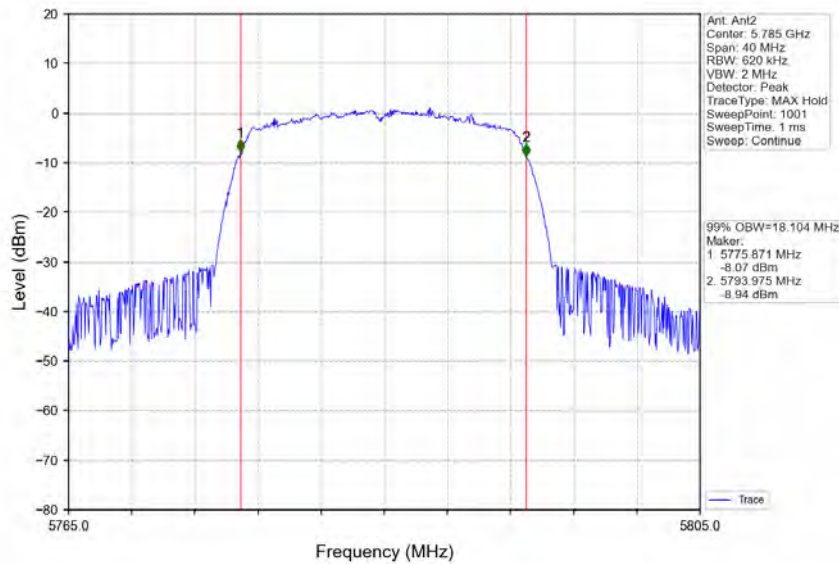
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802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



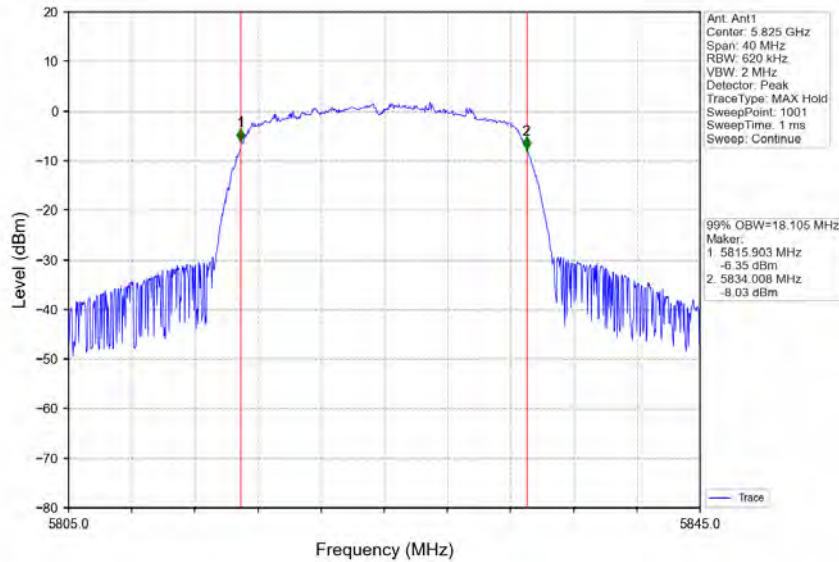
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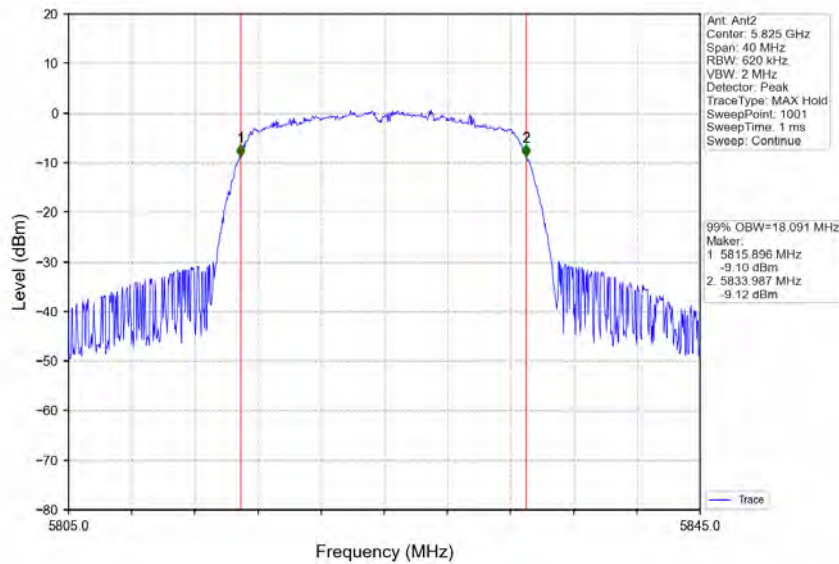
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802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



802.11n(HT20)_HCH_5825MHz_Ant2_NTNV

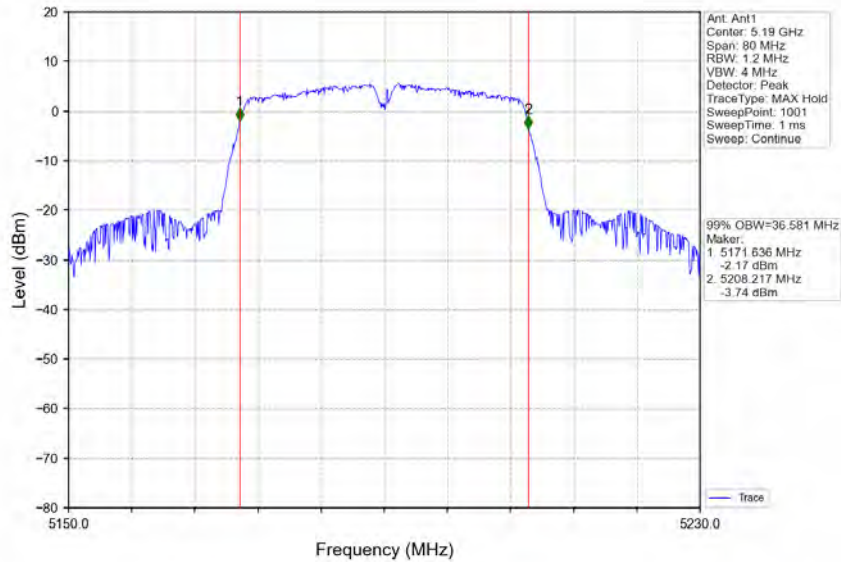


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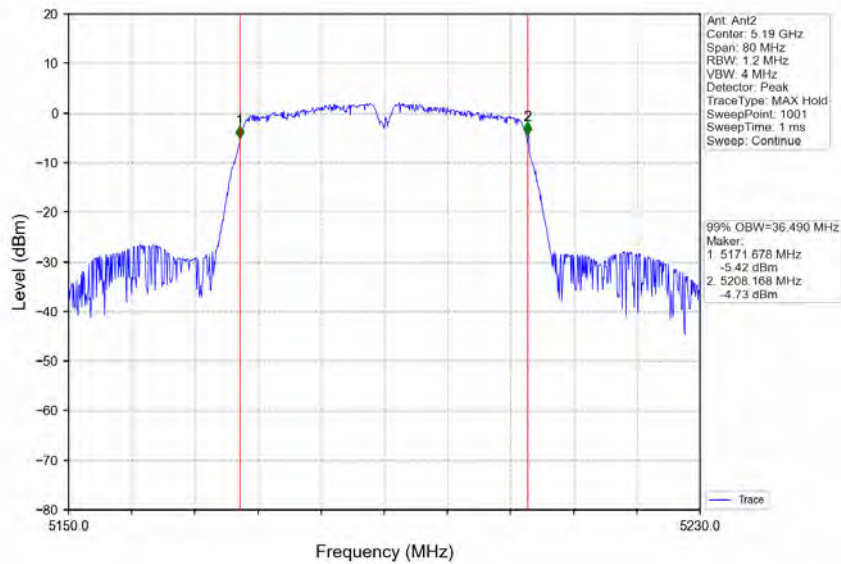
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802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



802.11n(HT40)_LCH_5190MHz_Ant2_NTNV

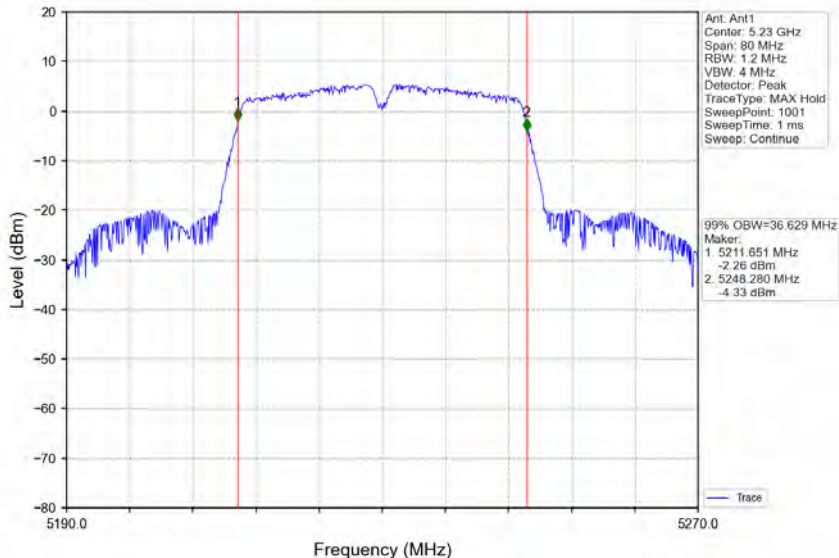


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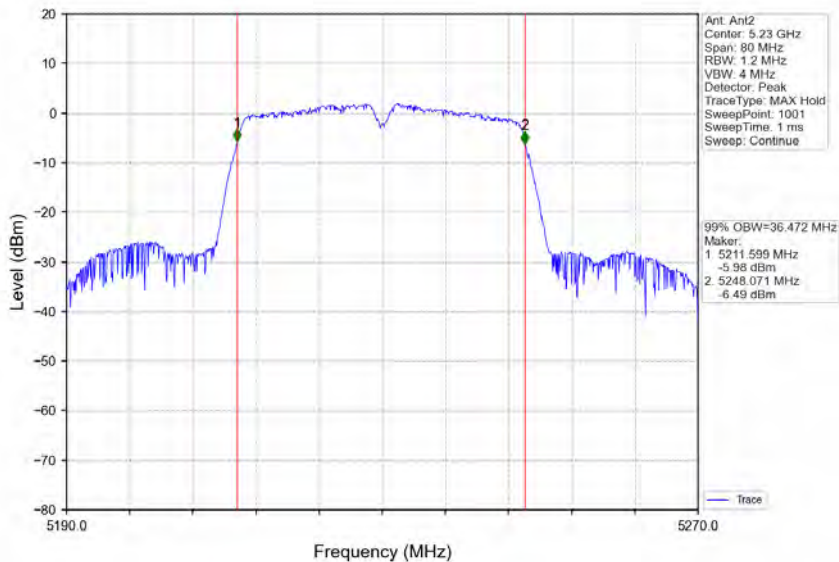
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802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



802.11n(HT40)_HCH_5230MHz_Ant2_NTNV



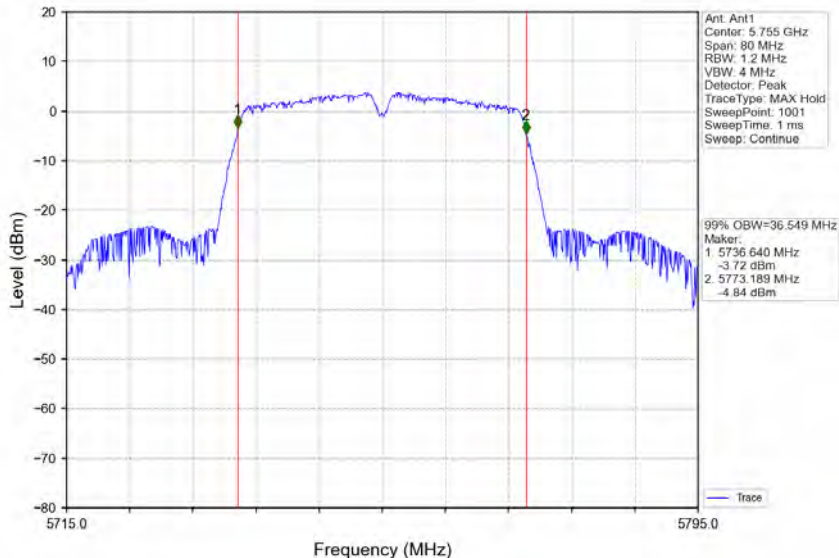
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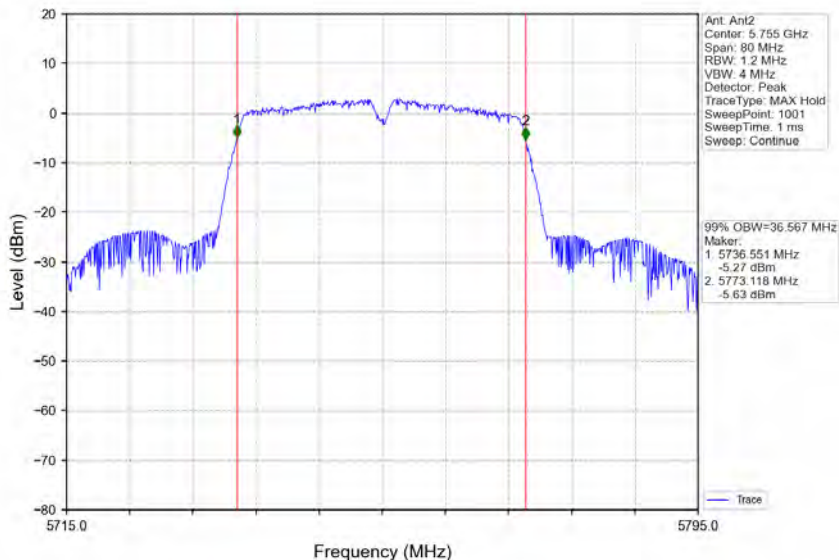
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802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



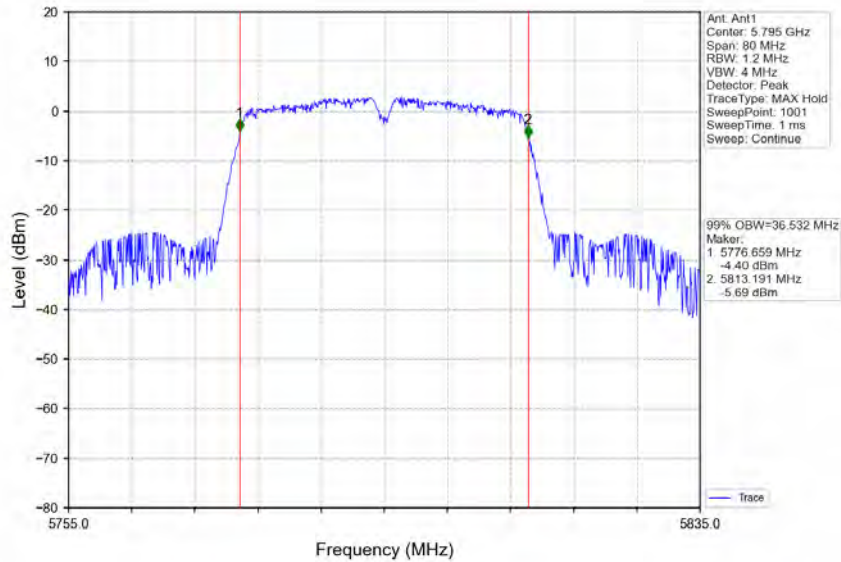
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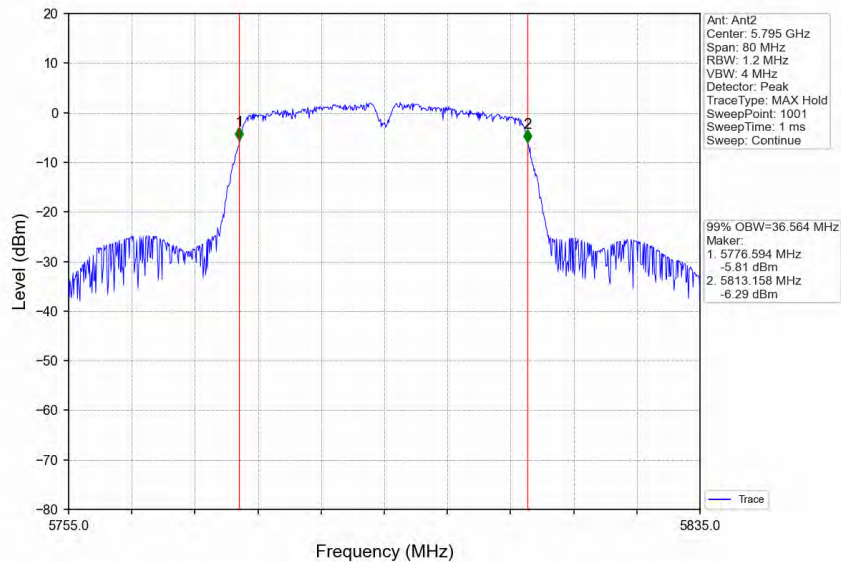
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802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



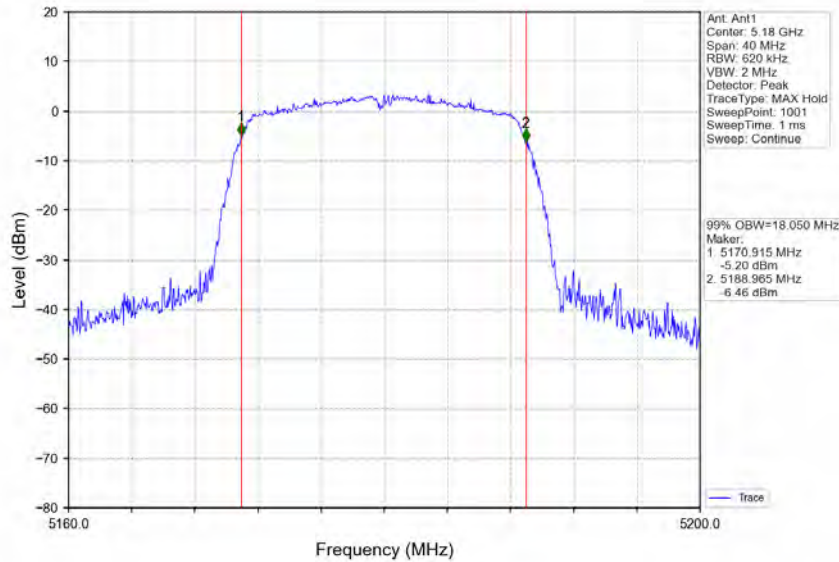
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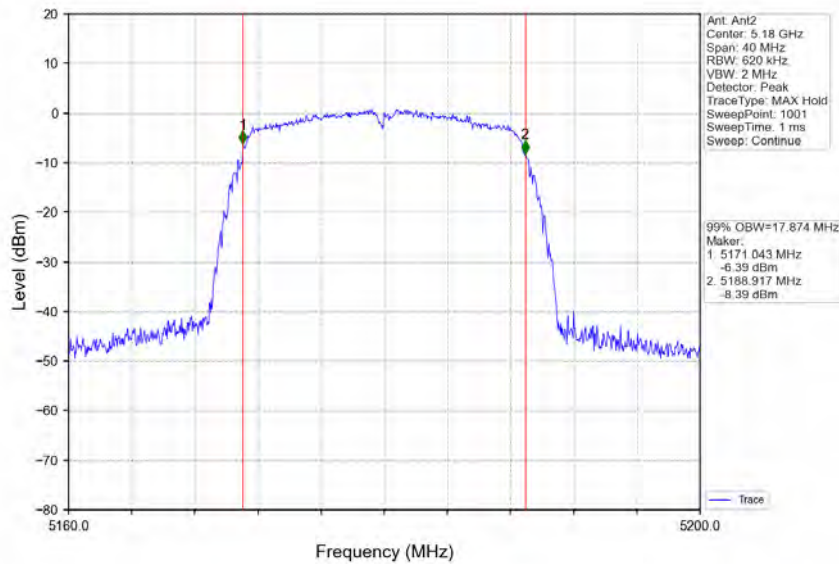
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802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



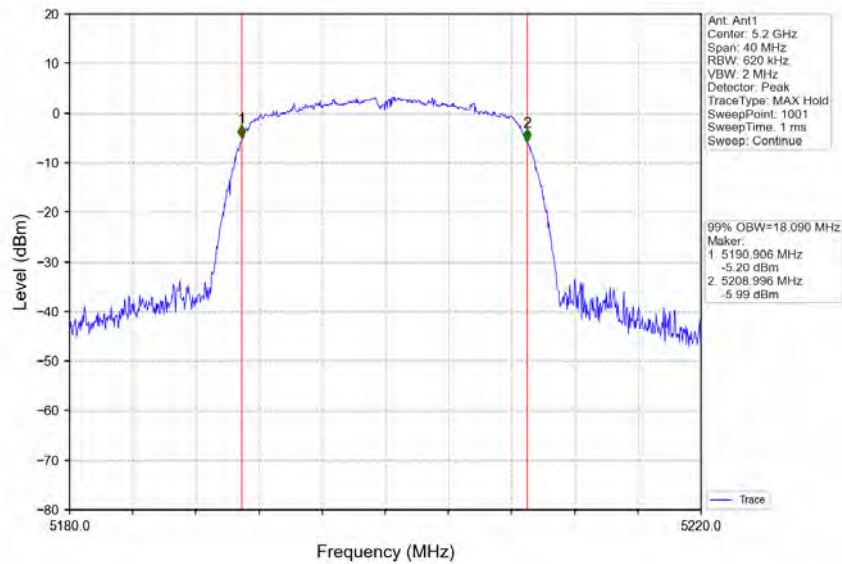
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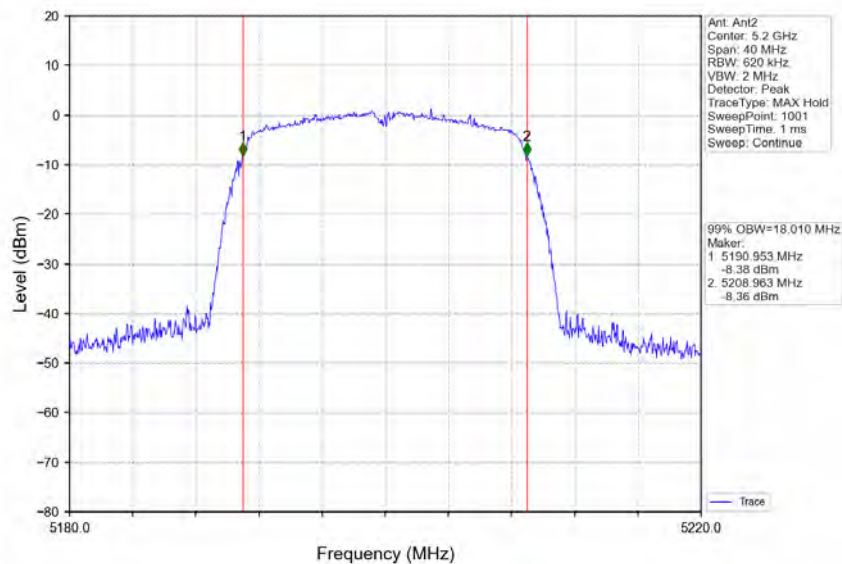
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802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



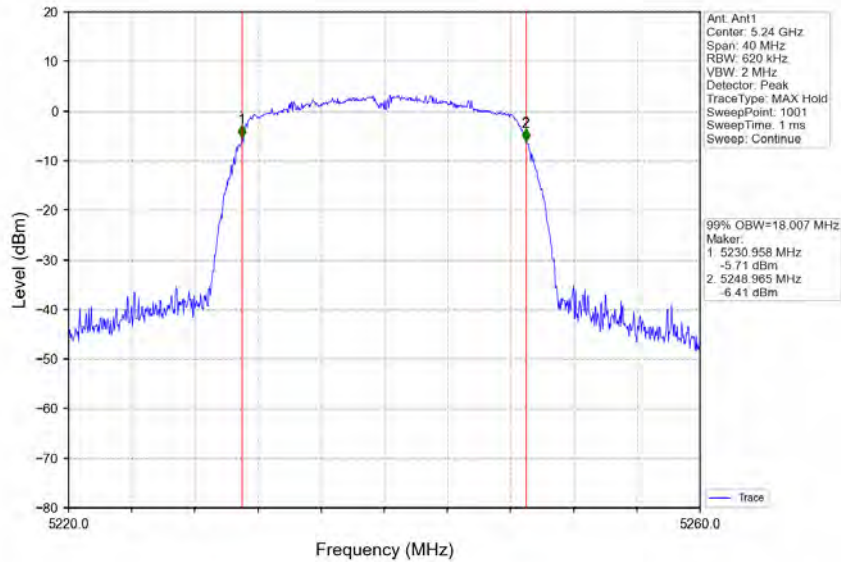
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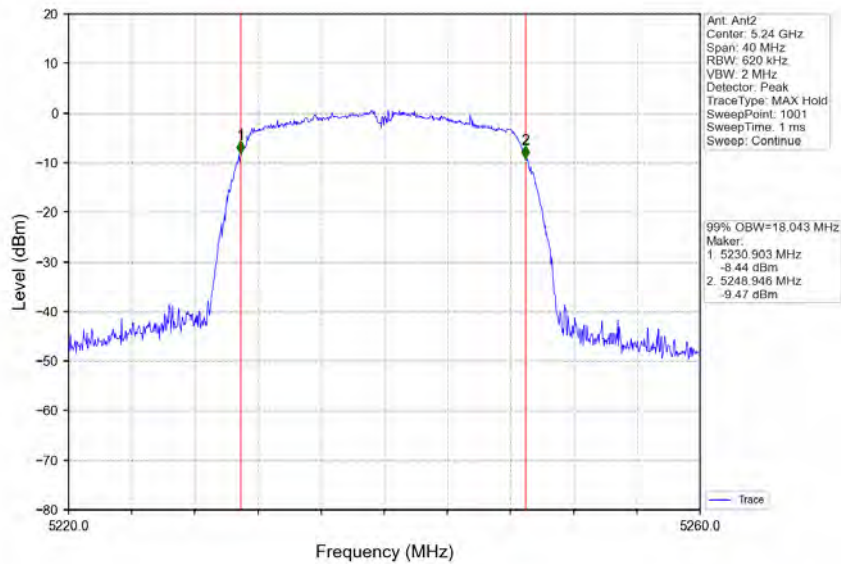
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802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



802.11ac(VHT20)_HCH_5240MHz_Ant2_NTNV



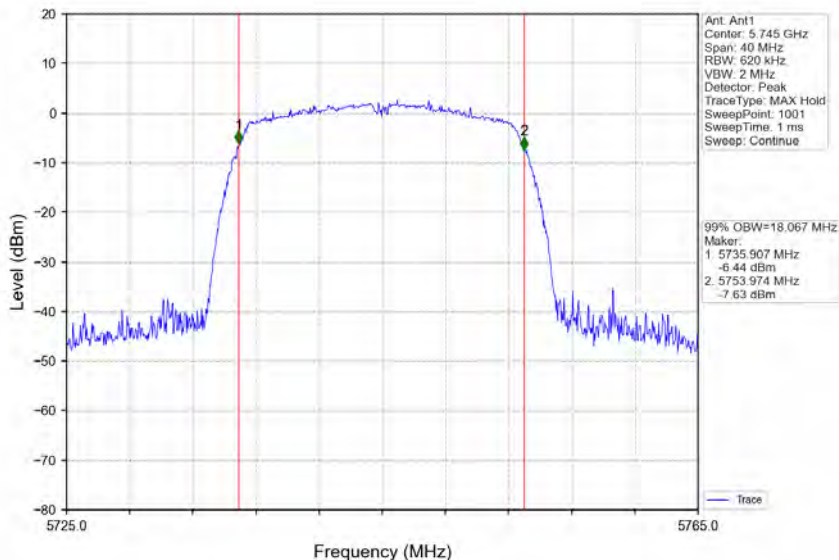
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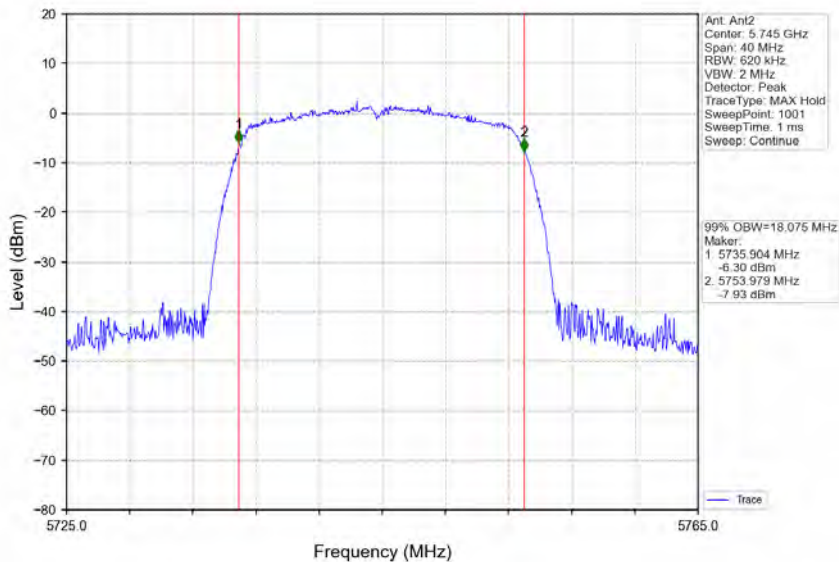
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802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



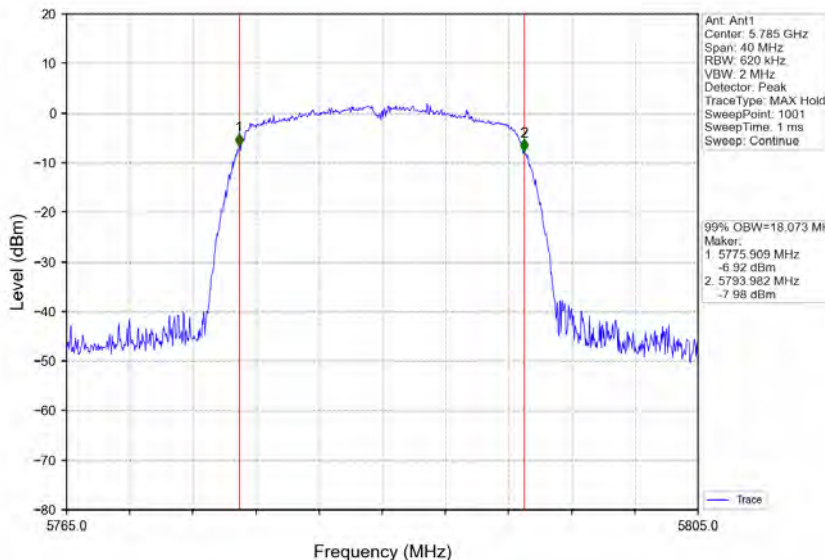
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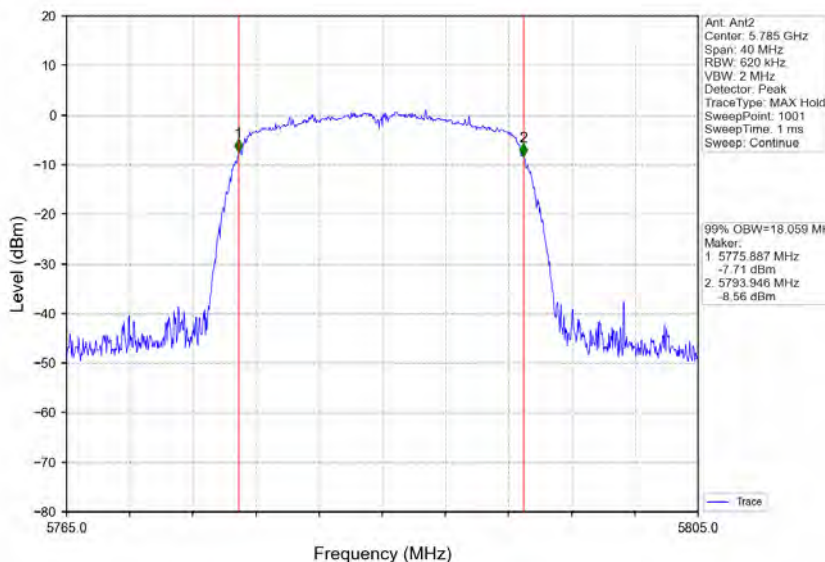
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802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



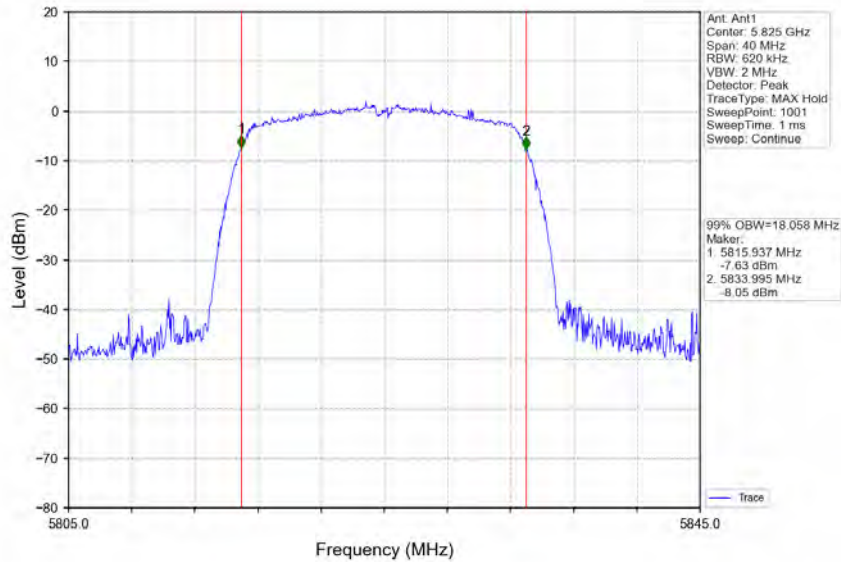
802.11ac(VHT20)_MCH_5785MHz_Ant2_NTNV



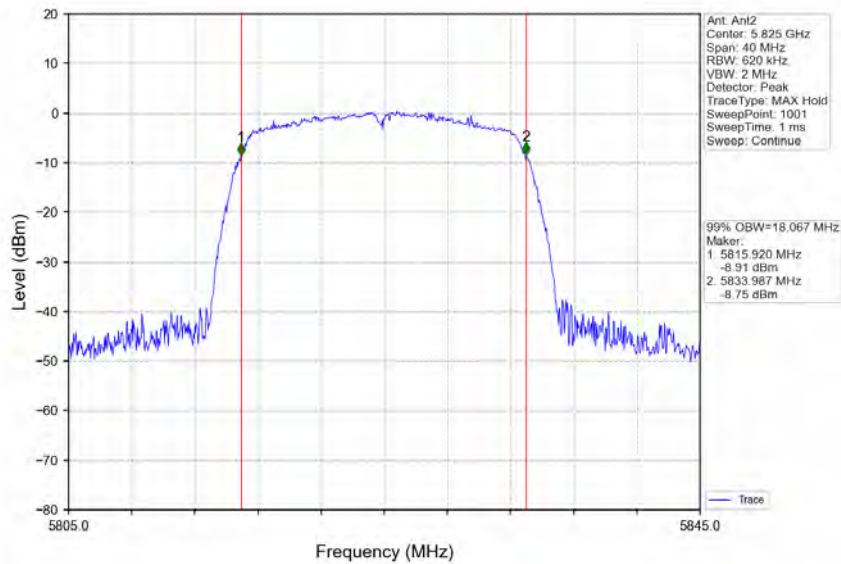
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802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



802.11ac(VHT20)_HCH_5825MHz_Ant2_NTNV

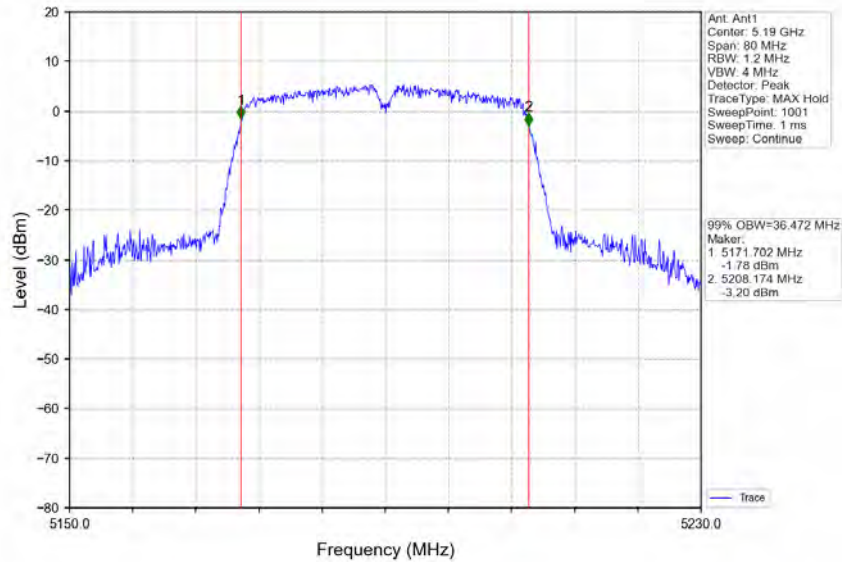


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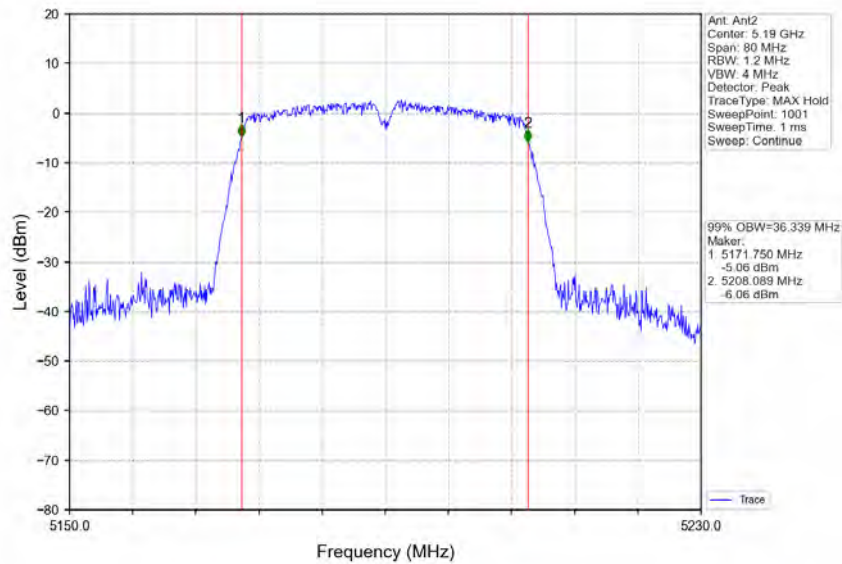
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802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



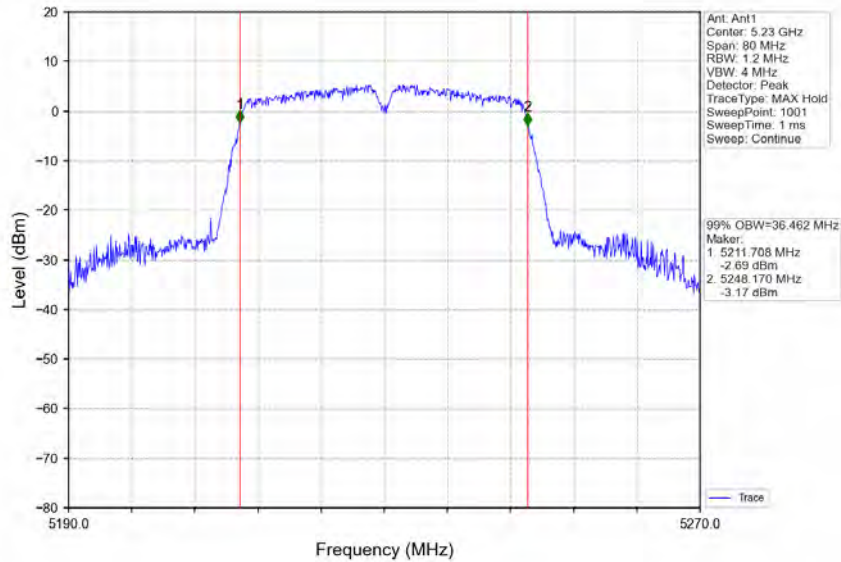
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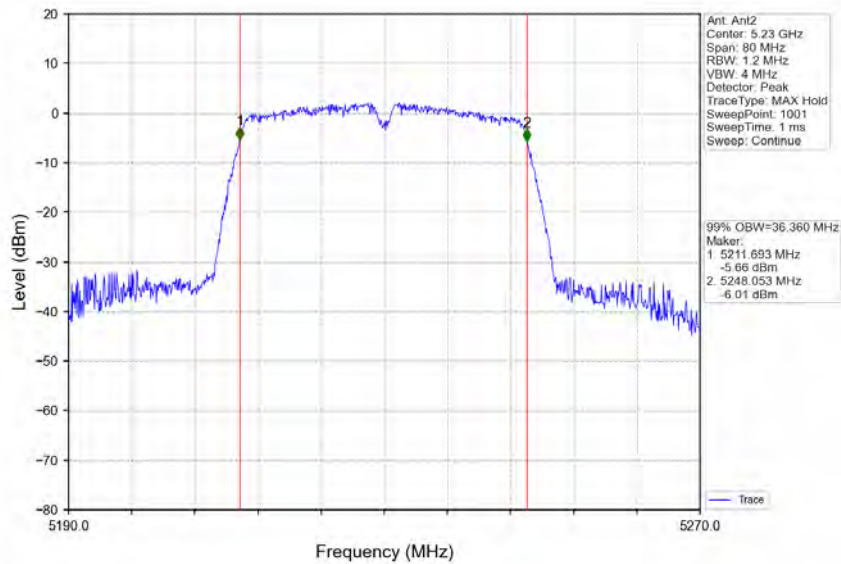
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802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



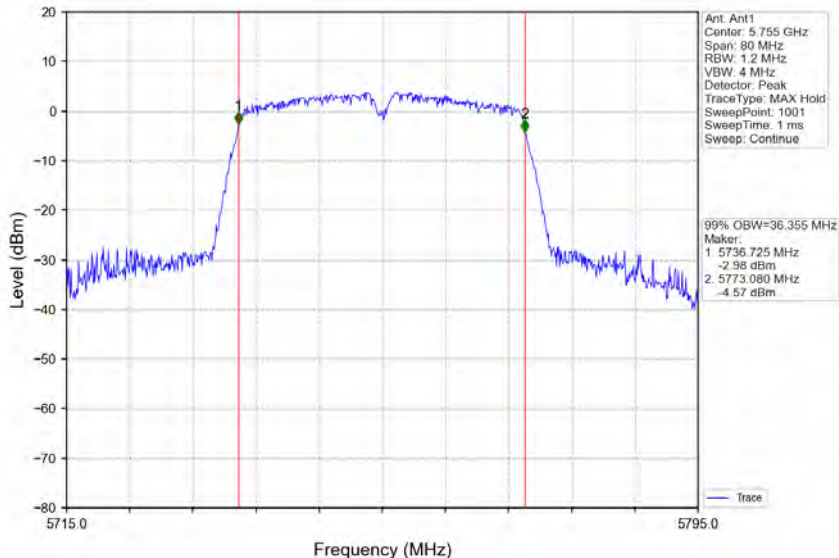
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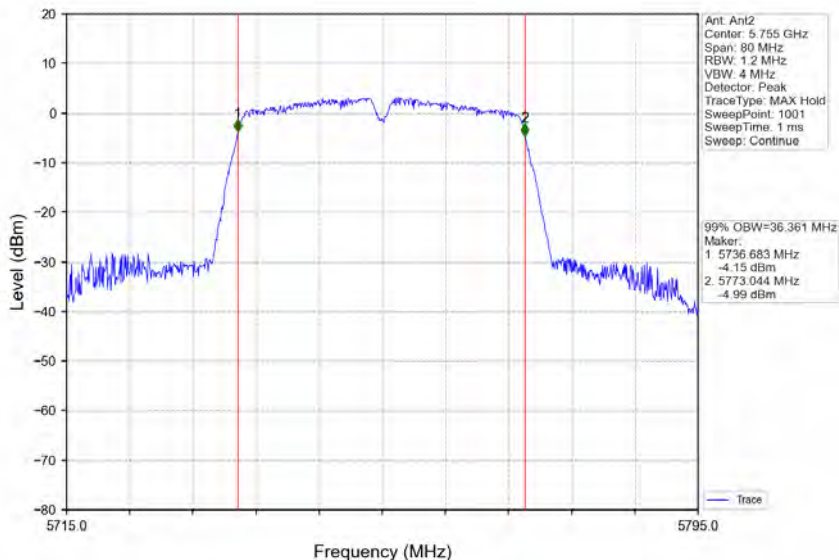
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802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



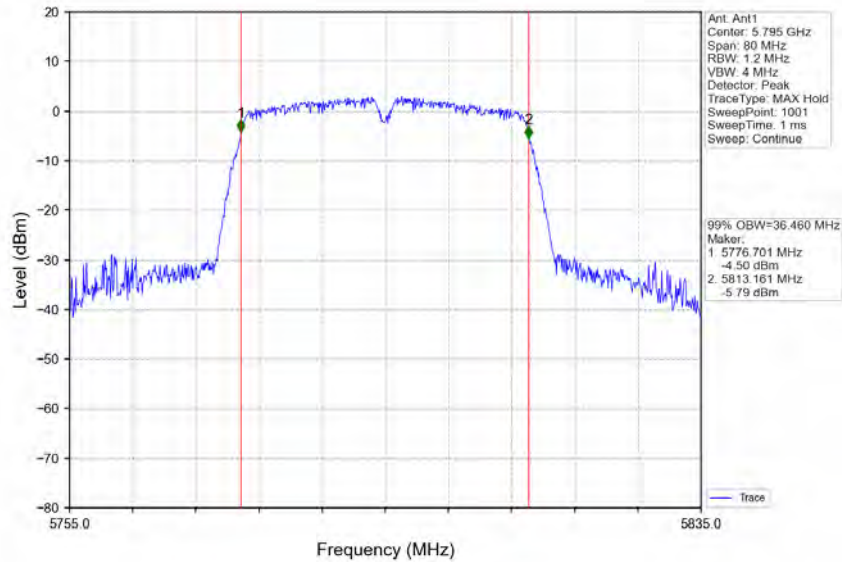
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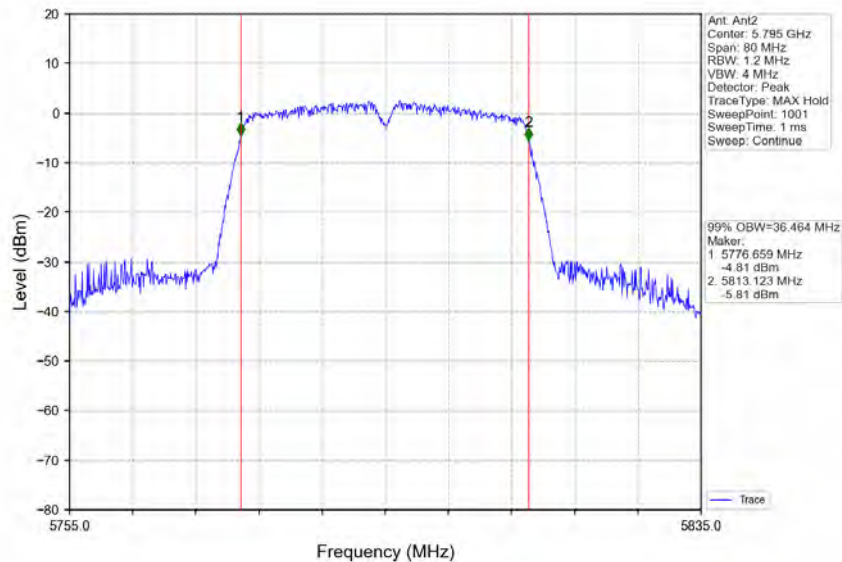
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802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



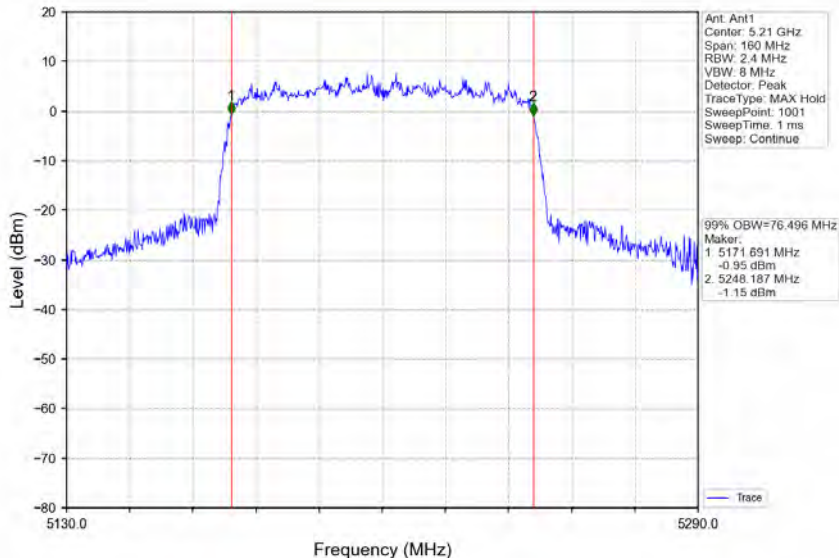
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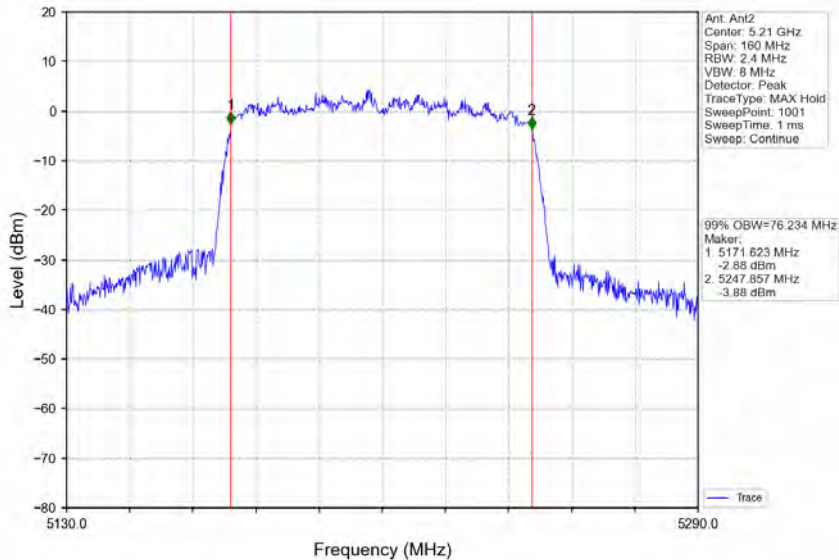
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802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



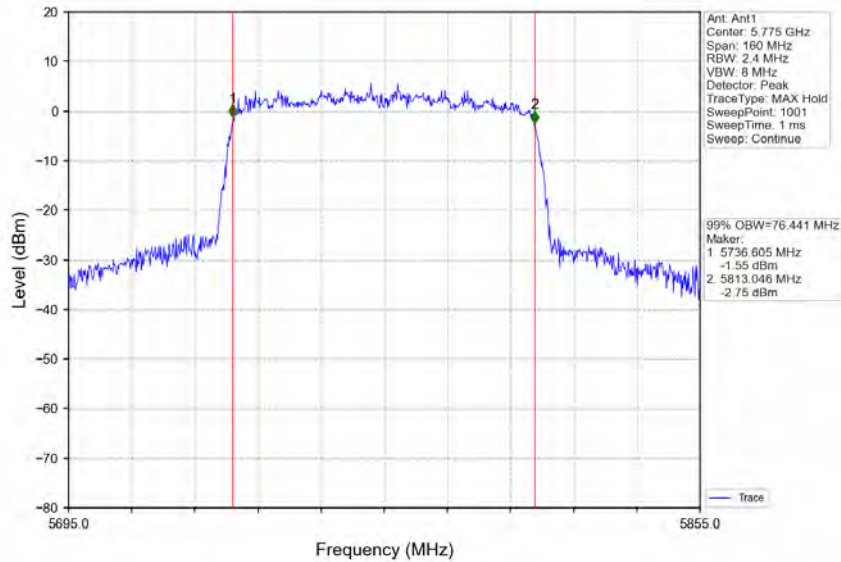
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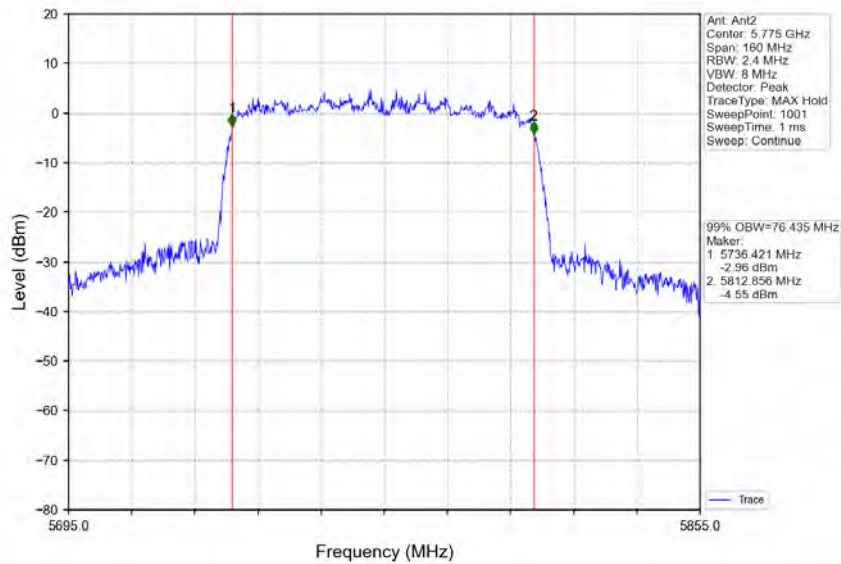
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802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



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	15.146	>=0.5	Pass
			2	15.132	>=0.5	Pass
		5785	1	15.111	>=0.5	Pass
			2	15.075	>=0.5	Pass
		5825	1	14.482	>=0.5	Pass
			2	15.086	>=0.5	Pass
802.11n (HT20)	MIMO	5745	1	14.717	>=0.5	Pass
			2	15.365	>=0.5	Pass
		5785	1	15.089	>=0.5	Pass
			2	14.111	>=0.5	Pass
		5825	1	15.157	>=0.5	Pass
			2	15.126	>=0.5	Pass
802.11n (HT40)	MIMO	5755	1	35.119	>=0.5	Pass
			2	35.119	>=0.5	Pass
		5795	1	35.079	>=0.5	Pass
			2	35.133	>=0.5	Pass
802.11ac (VHT20)	MIMO	5745	1	14.750	>=0.5	Pass
			2	16.079	>=0.5	Pass
		5785	1	15.757	>=0.5	Pass
			2	15.150	>=0.5	Pass
		5825	1	15.096	>=0.5	Pass
			2	15.093	>=0.5	Pass
802.11ac (VHT40)	MIMO	5755	1	35.162	>=0.5	Pass
			2	35.112	>=0.5	Pass
		5795	1	35.177	>=0.5	Pass
			2	33.938	>=0.5	Pass
802.11ac (VHT80)	MIMO	5775	1	75.725	>=0.5	Pass
			2	75.782	>=0.5	Pass

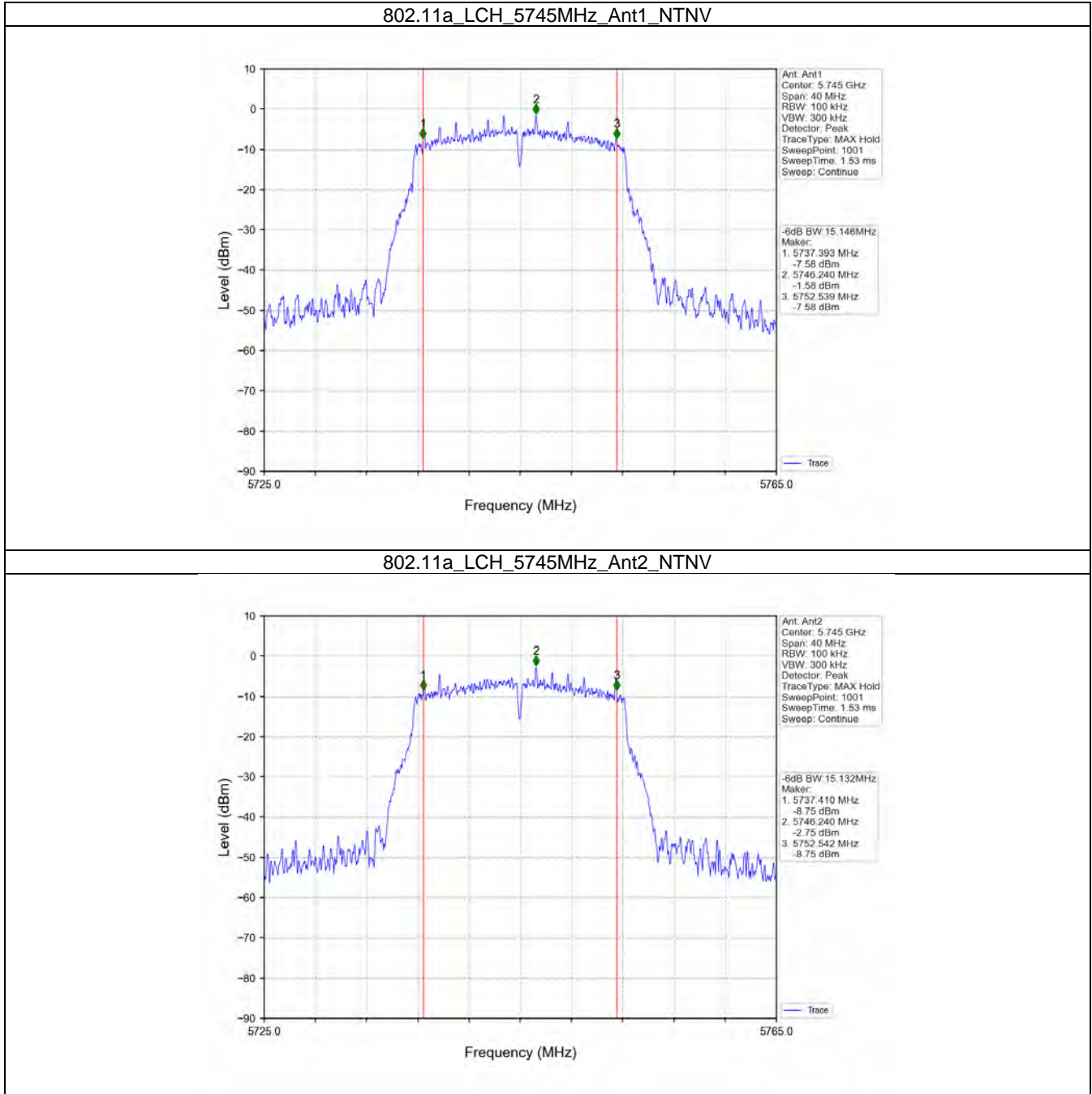


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2.2.2 Test Graph



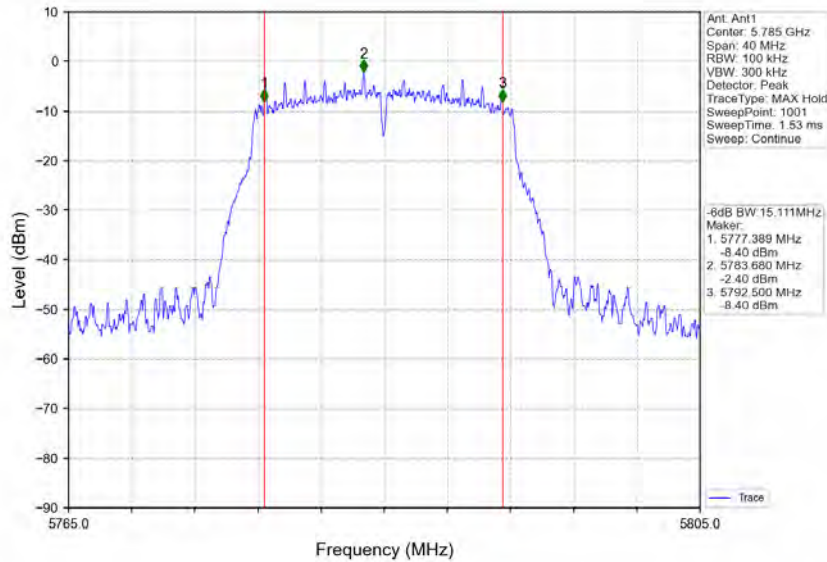
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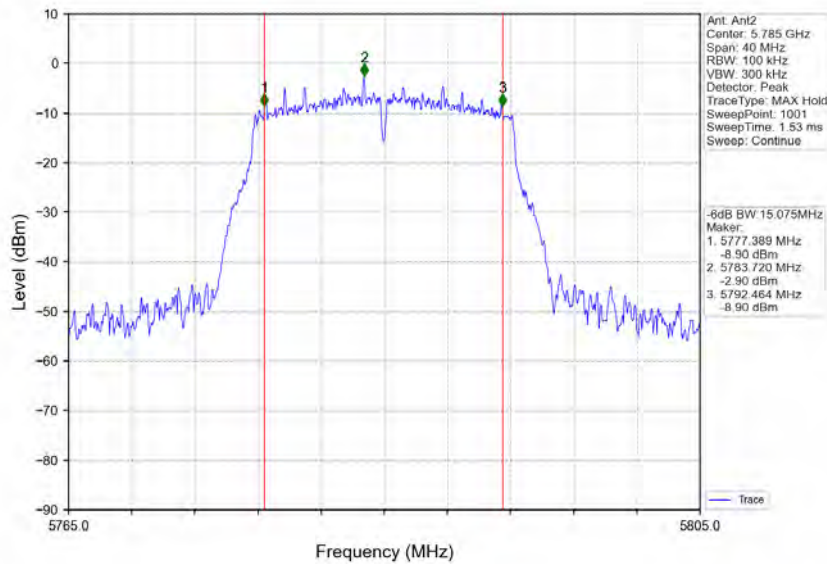
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802.11a_MCH_5785MHz_Ant1_NTNV



802.11a_MCH_5785MHz_Ant2_NTNV



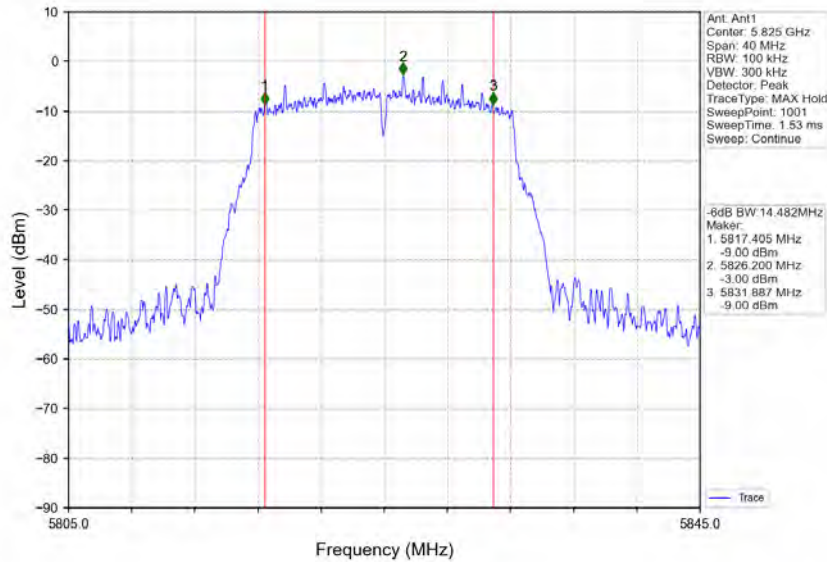
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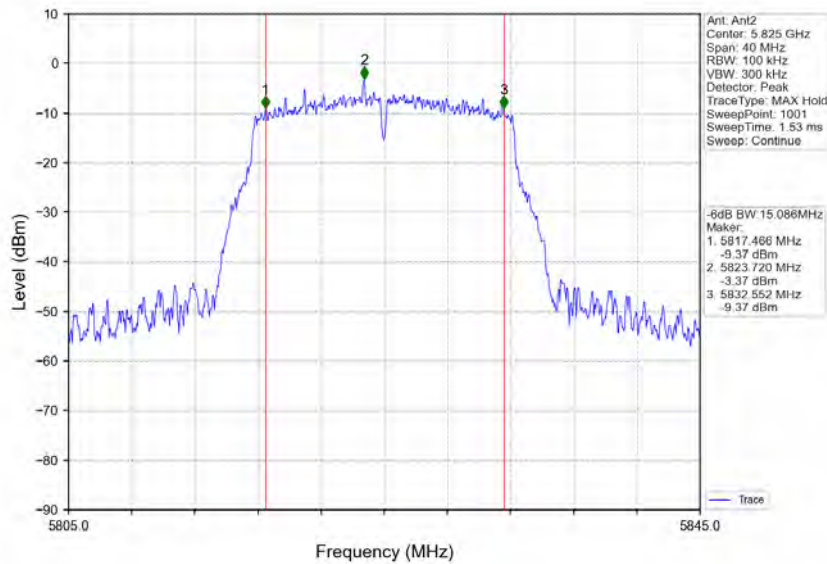
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802.11a_HCH_5825MHz_Ant1_NTNV



802.11a_HCH_5825MHz_Ant2_NTNV

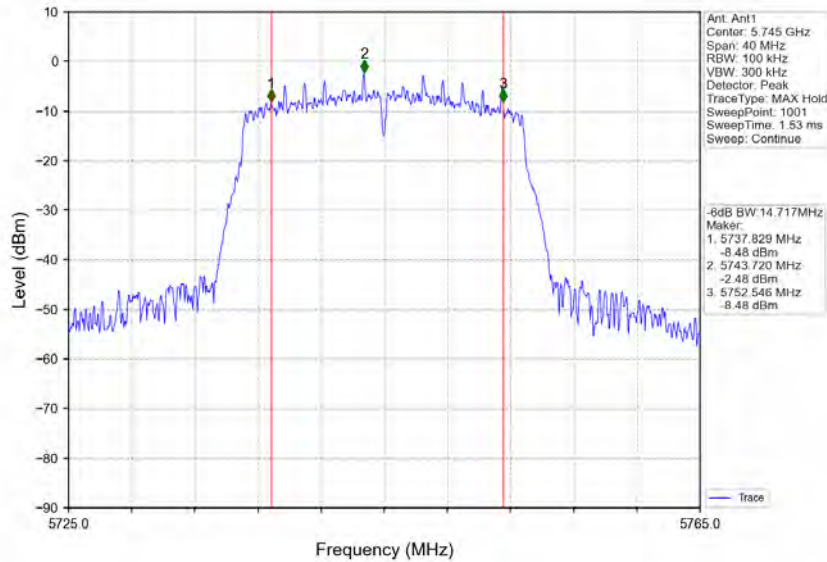


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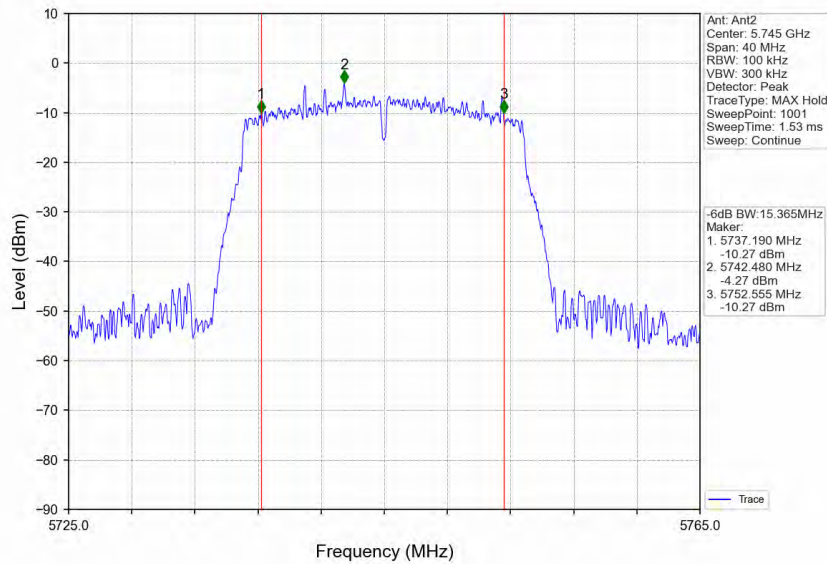
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802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



802.11n(HT20)_LCH_5745MHz_Ant2_NTNV



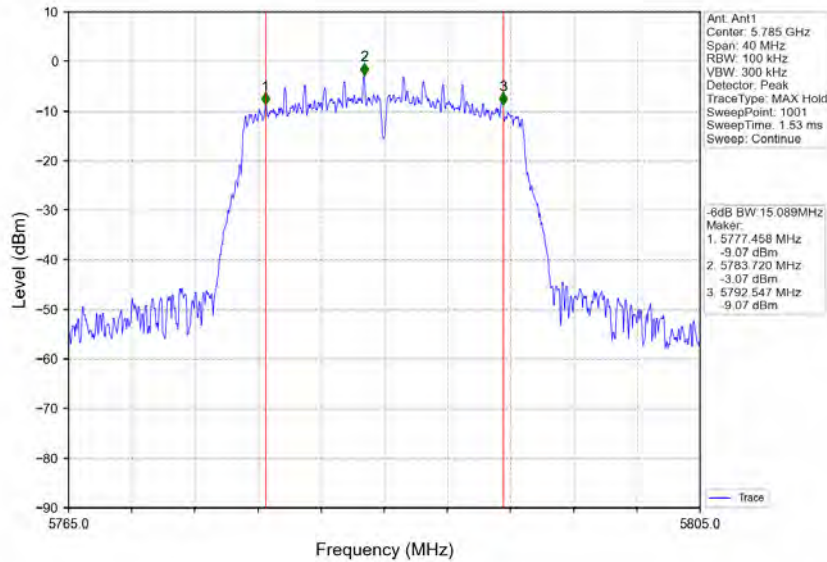
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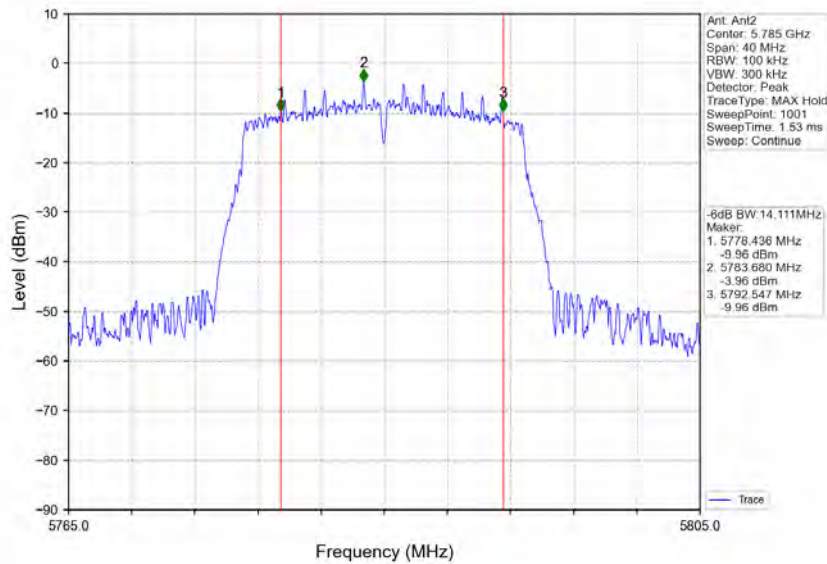
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802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



802.11n(HT20)_MCH_5785MHz_Ant2_NTNV



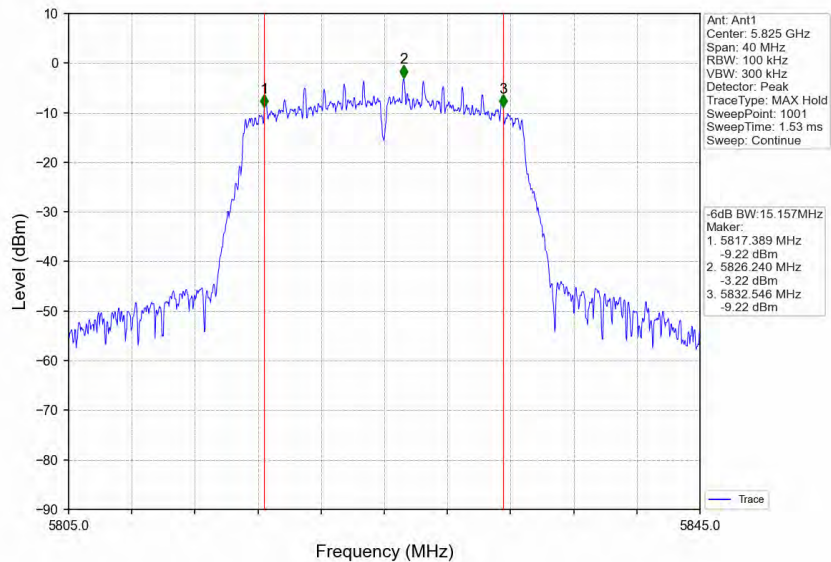
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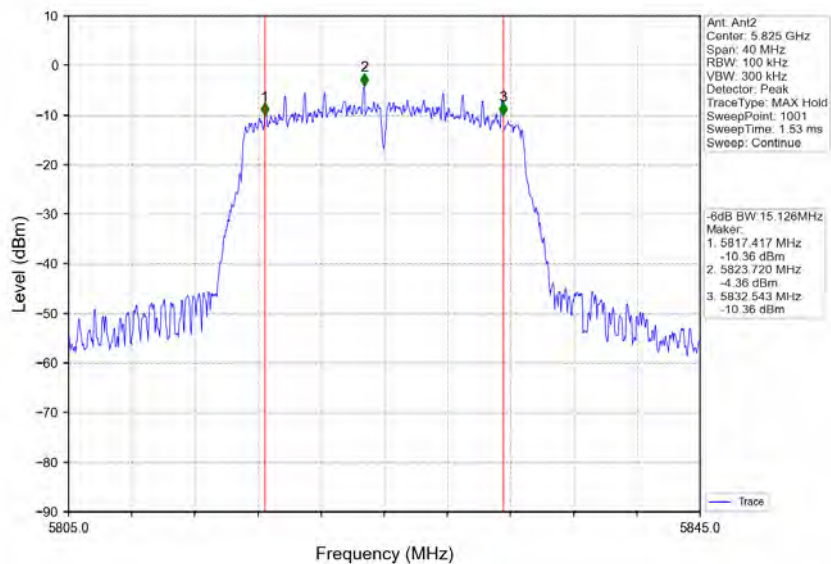
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802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



802.11n(HT20)_HCH_5825MHz_Ant2_NTNV



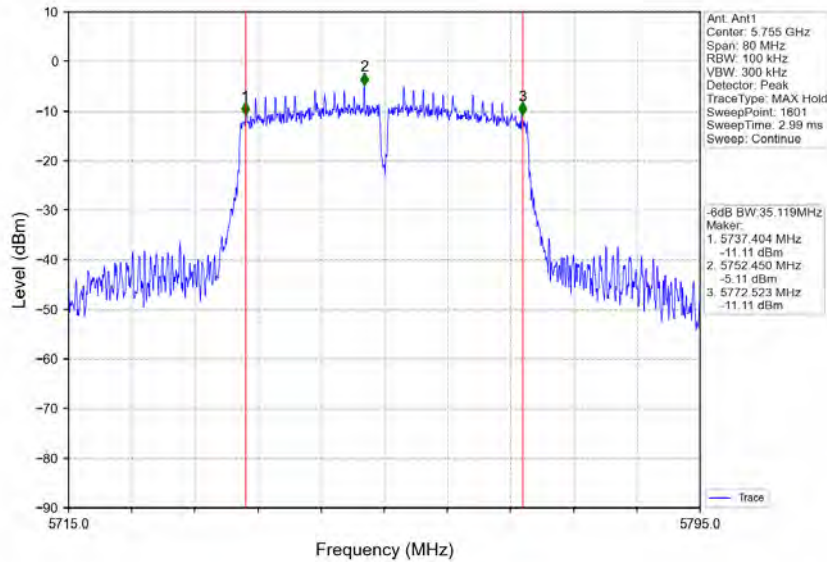
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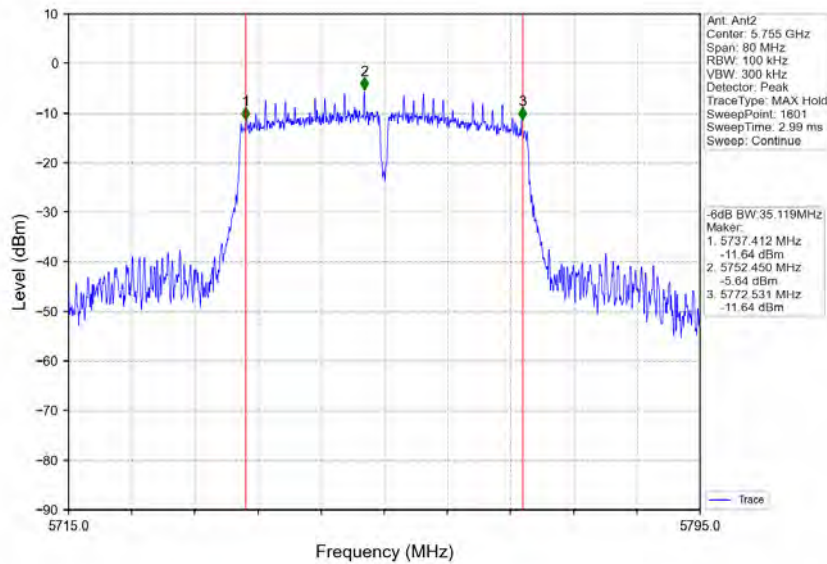
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802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



802.11n(HT40)_LCH_5755MHz_Ant2_NTNV



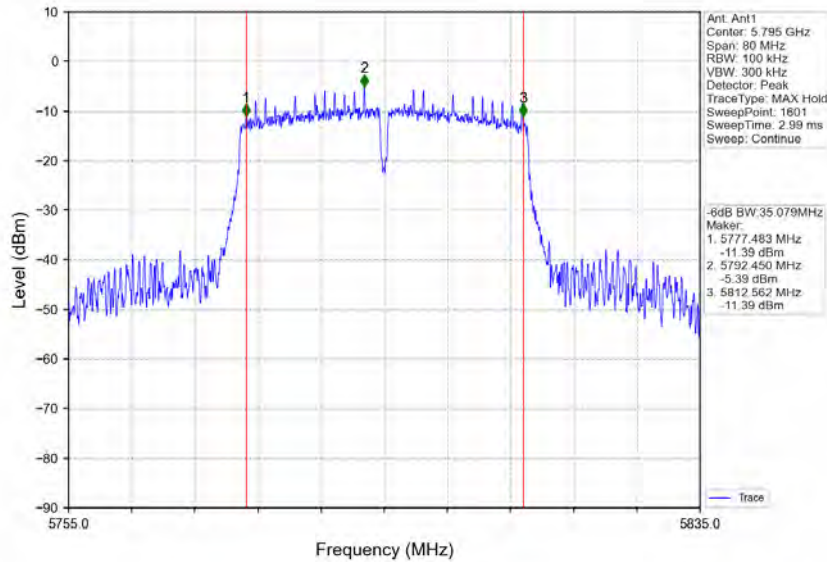
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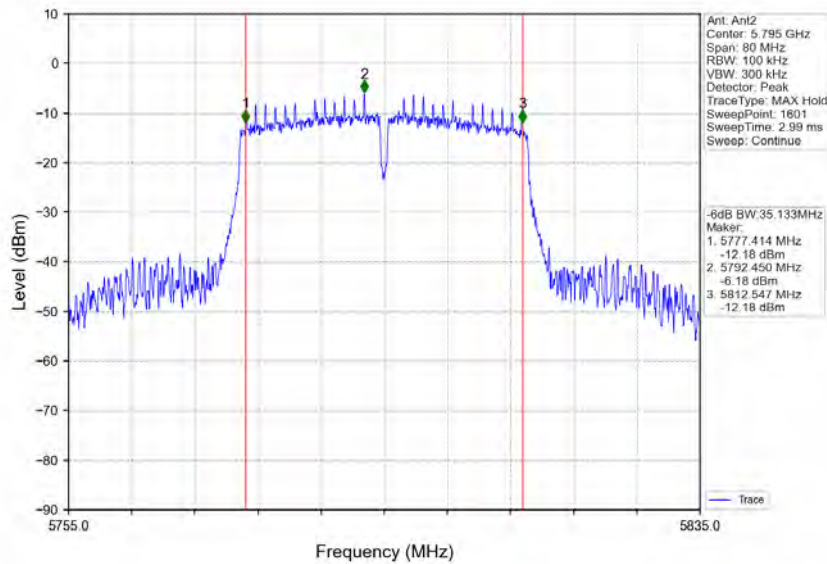
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802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



802.11n(HT40)_HCH_5795MHz_Ant2_NTNV

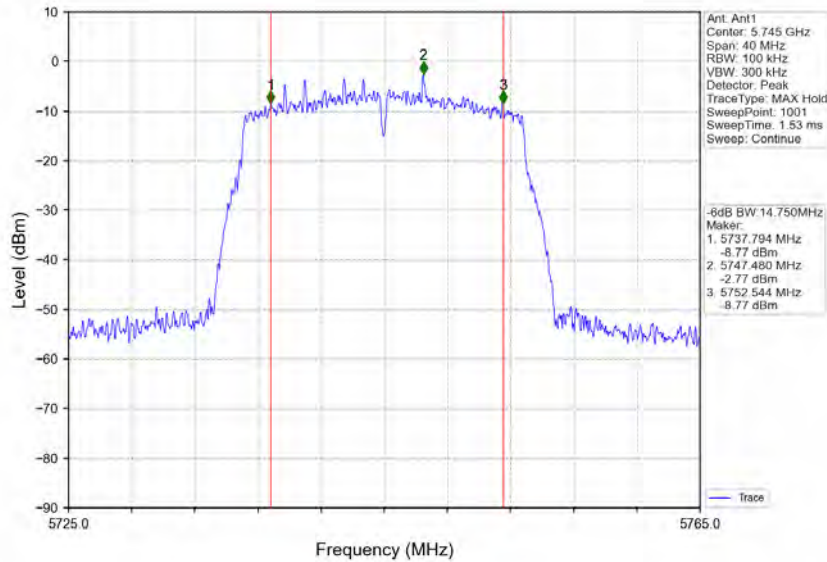


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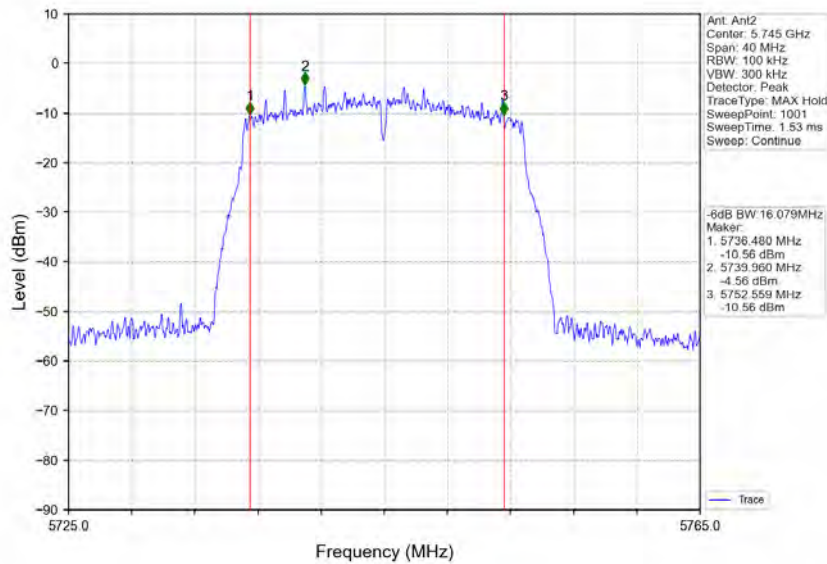
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802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



802.11ac(VHT20)_LCH_5745MHz_Ant2_NTNV

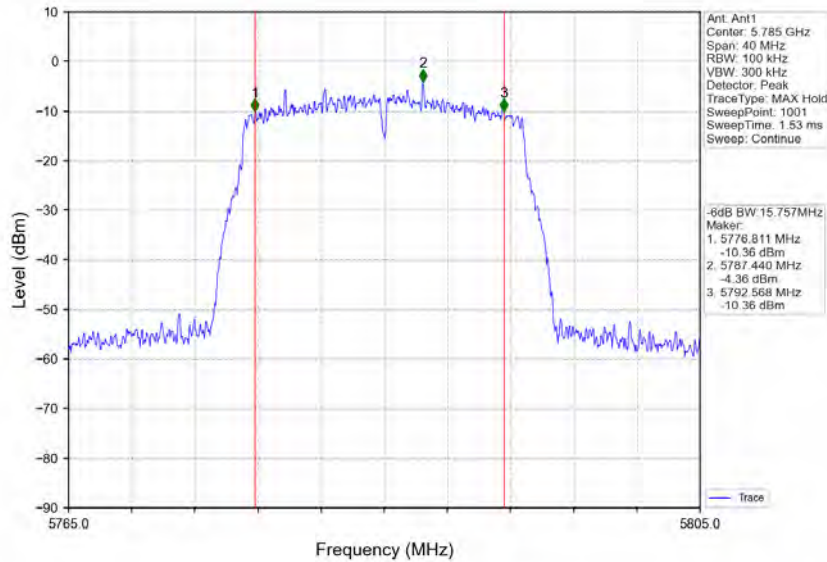


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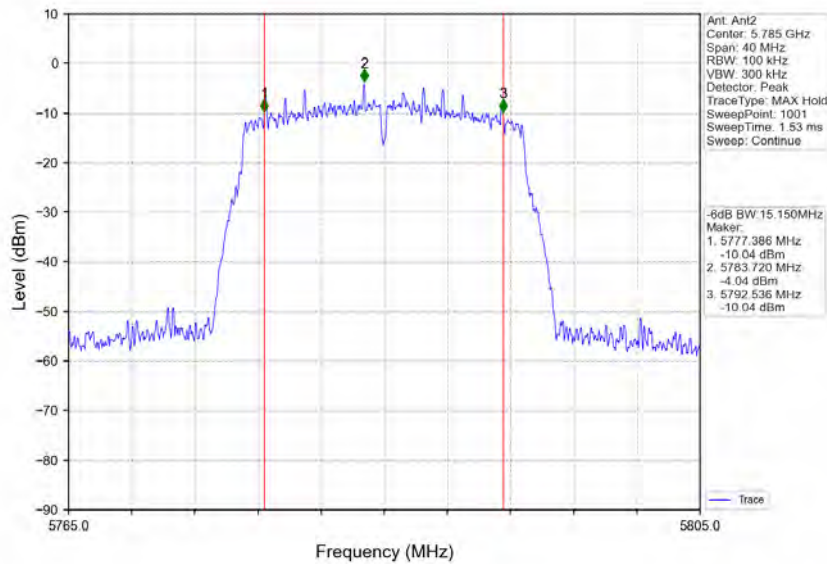
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802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



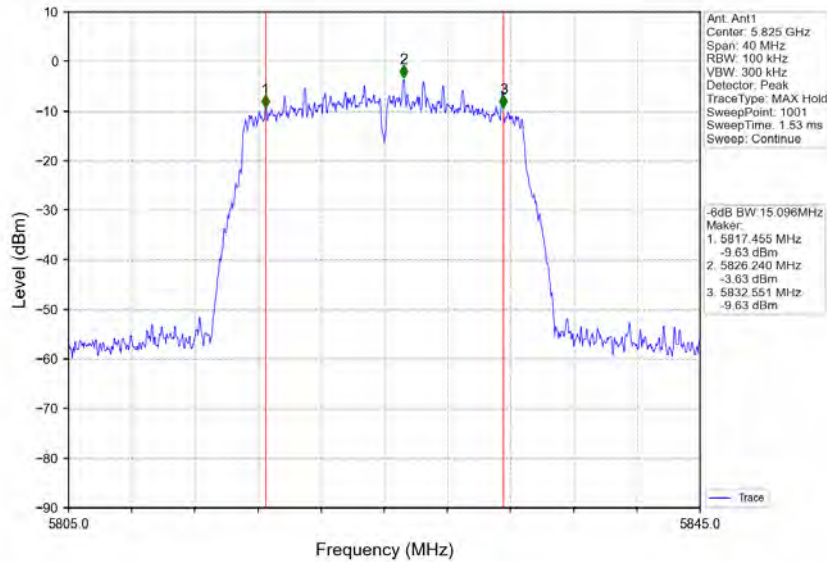
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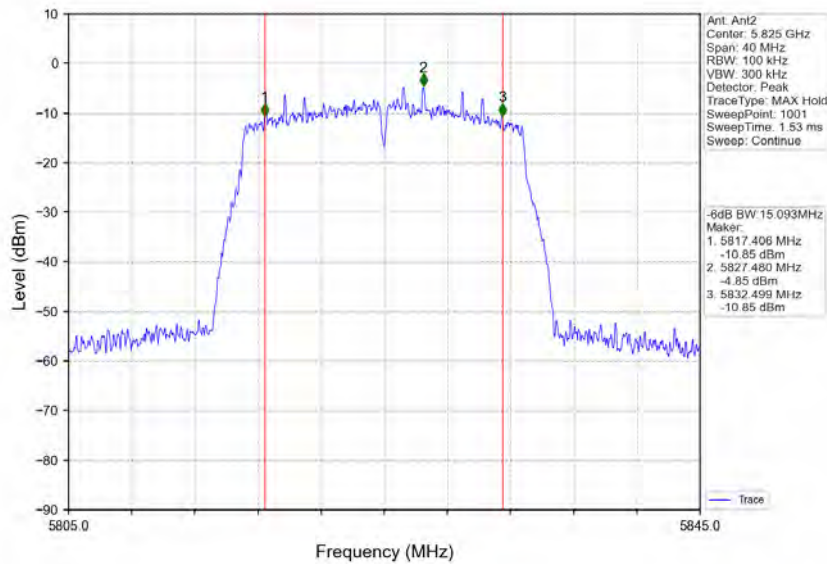
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802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



802.11ac(VHT20)_HCH_5825MHz_Ant2_NTNV

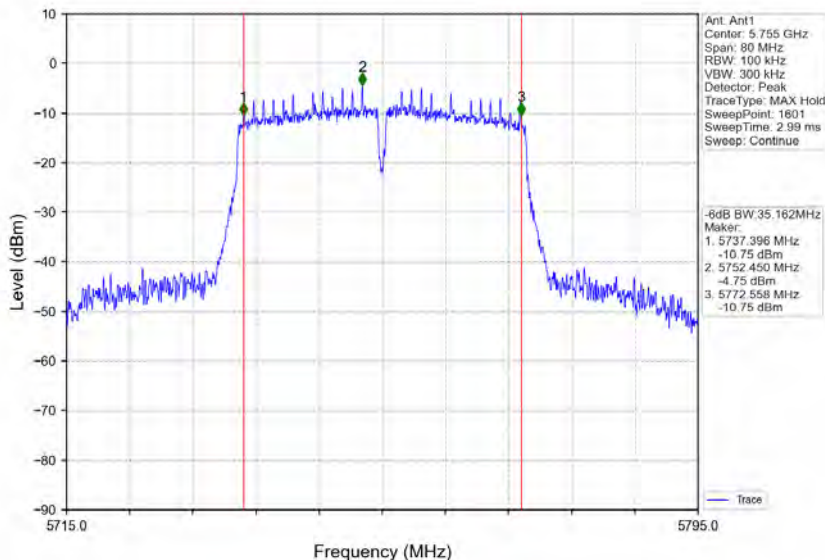


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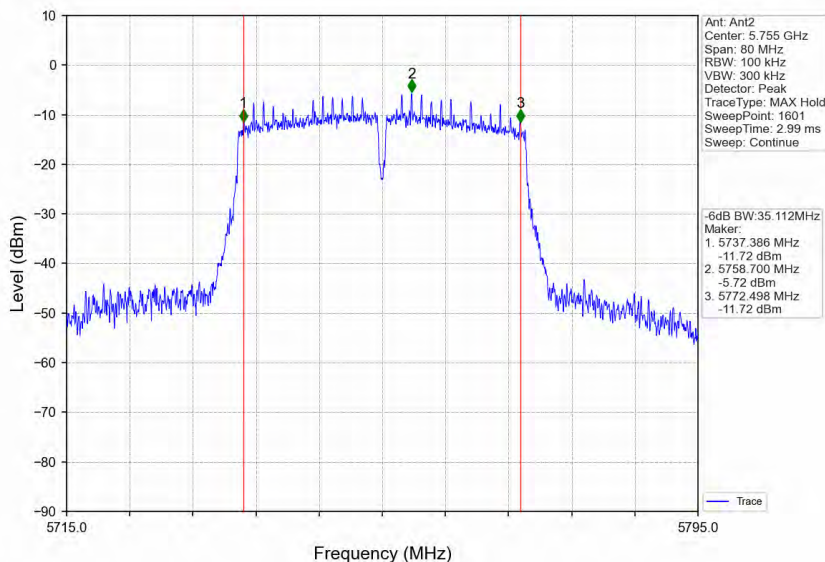
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802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



802.11ac(VHT40)_LCH_5755MHz_Ant2_NTNV



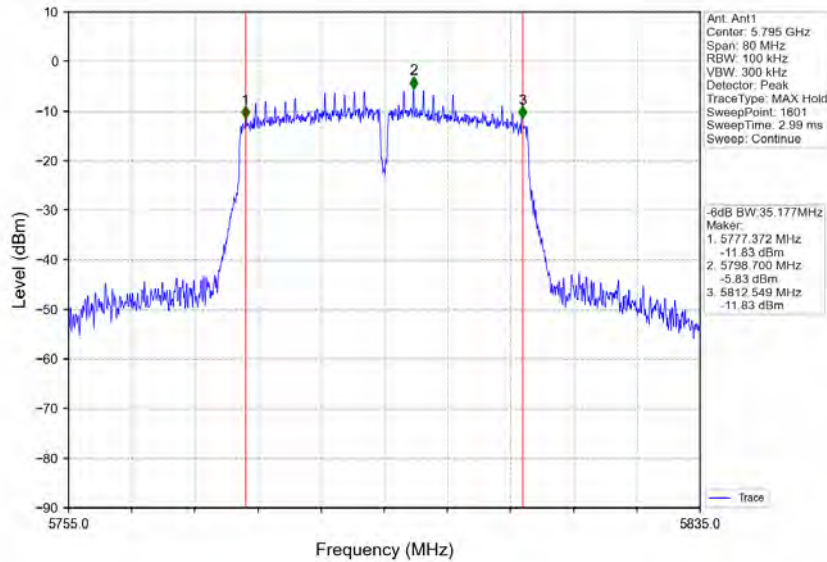
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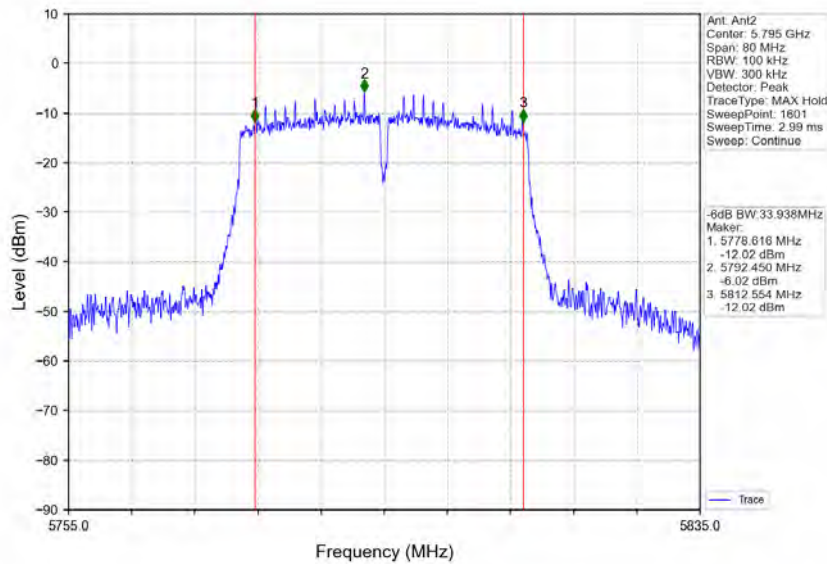
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802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



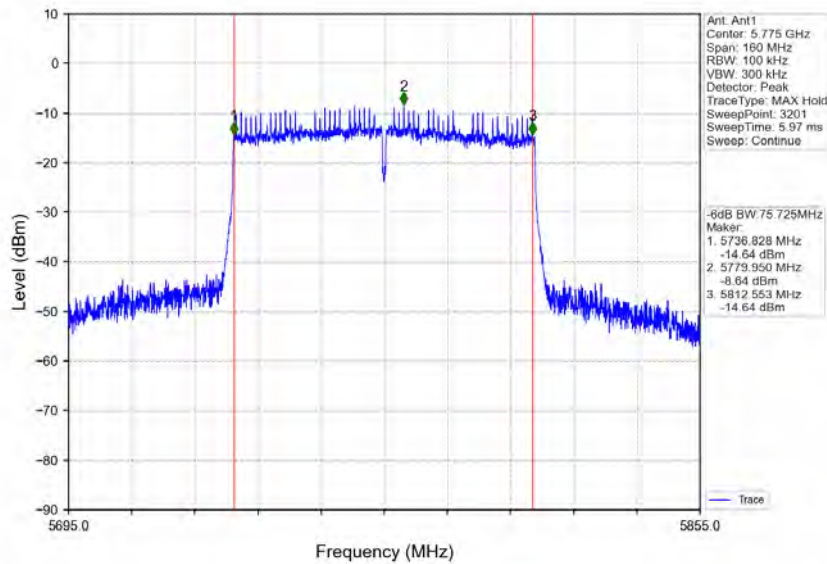
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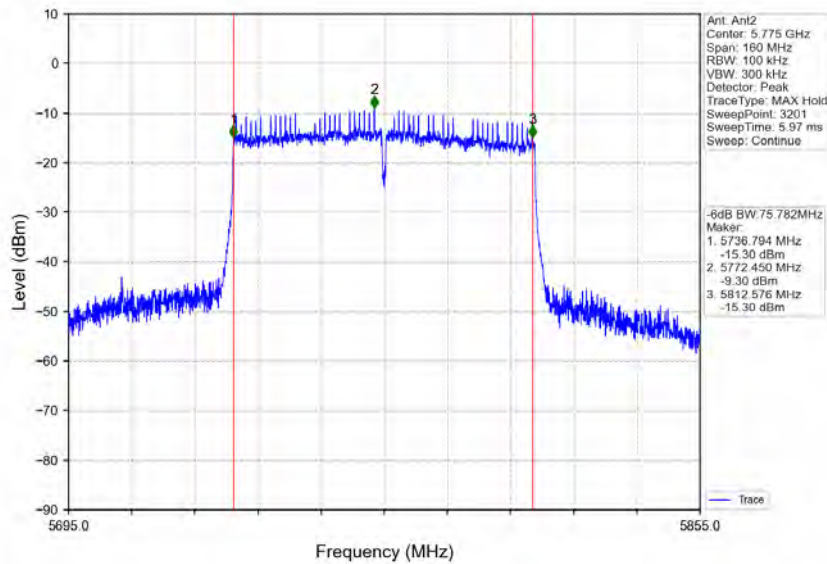
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2.3 26dB BW

2.3.1 Test Result

Mode	TX Type	Frequency (MHz)	Ant	26dB Bandwidth (MHz)	Verdict
				Result	
802.11a	SISO	5180	1	20.369	Pass
			2	20.431	Pass
		5200	1	20.487	Pass
			2	20.432	Pass
		5240	1	20.336	Pass
			2	20.280	Pass
802.11n (HT20)	MIMO	5180	1	20.832	Pass
			2	20.875	Pass
		5200	1	20.783	Pass
			2	20.820	Pass
		5240	1	20.752	Pass
			2	20.859	Pass
802.11n (HT40)	MIMO	5190	1	61.669	Pass
			2	41.415	Pass
		5230	1	61.161	Pass
			2	41.434	Pass
802.11ac (VHT20)	MIMO	5180	1	20.677	Pass
			2	20.733	Pass
		5200	1	20.806	Pass
			2	20.697	Pass
		5240	1	20.748	Pass
			2	20.831	Pass
802.11ac (VHT40)	MIMO	5190	1	41.454	Pass
			2	41.381	Pass
		5230	1	41.159	Pass
			2	41.219	Pass
802.11ac (VHT80)	MIMO	5210	1	83.022	Pass
			2	83.087	Pass



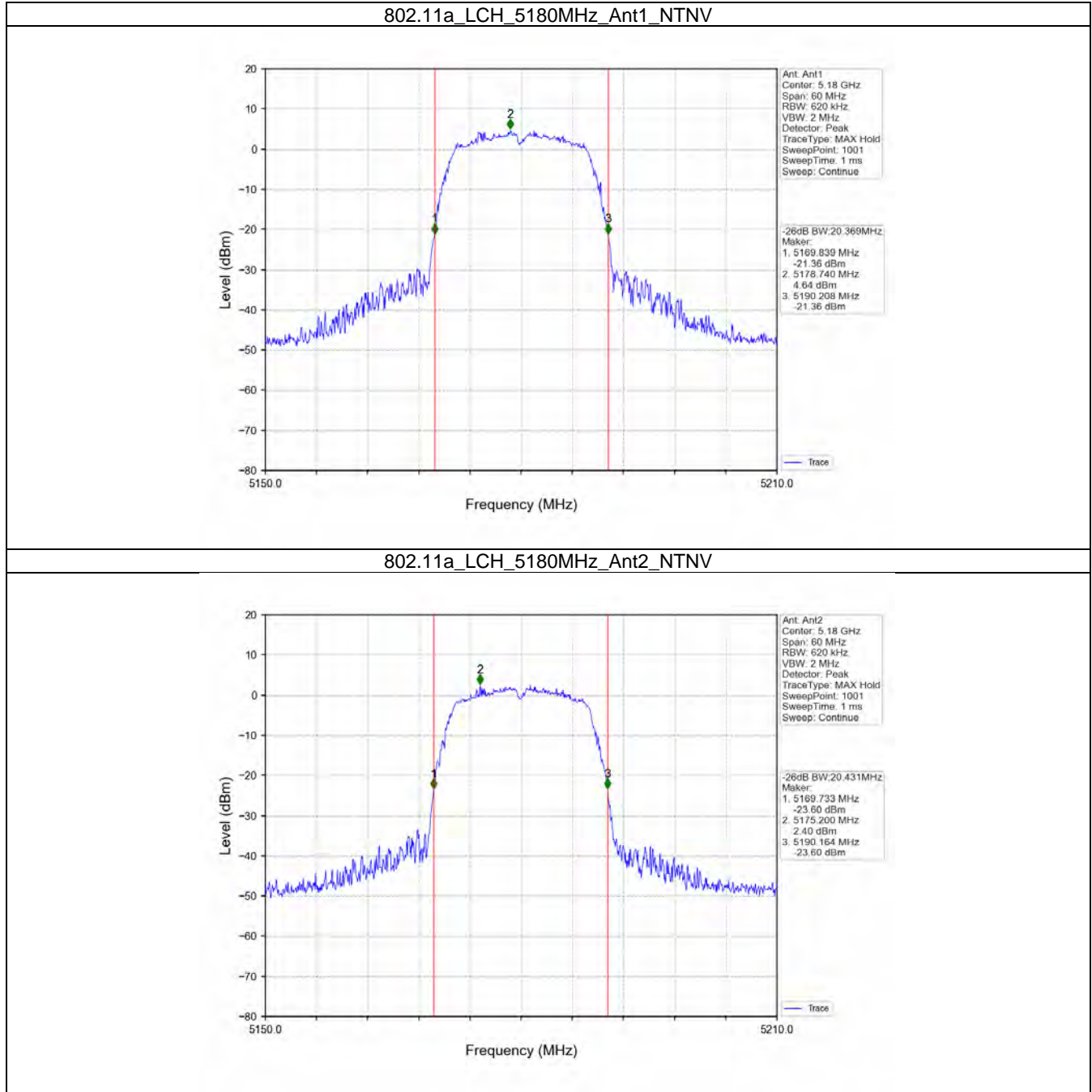
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2.3.2 Test Graph



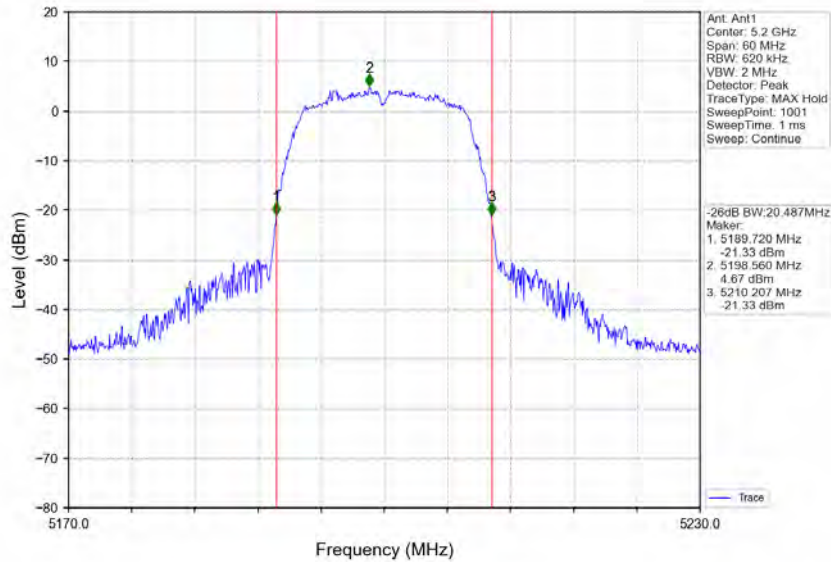
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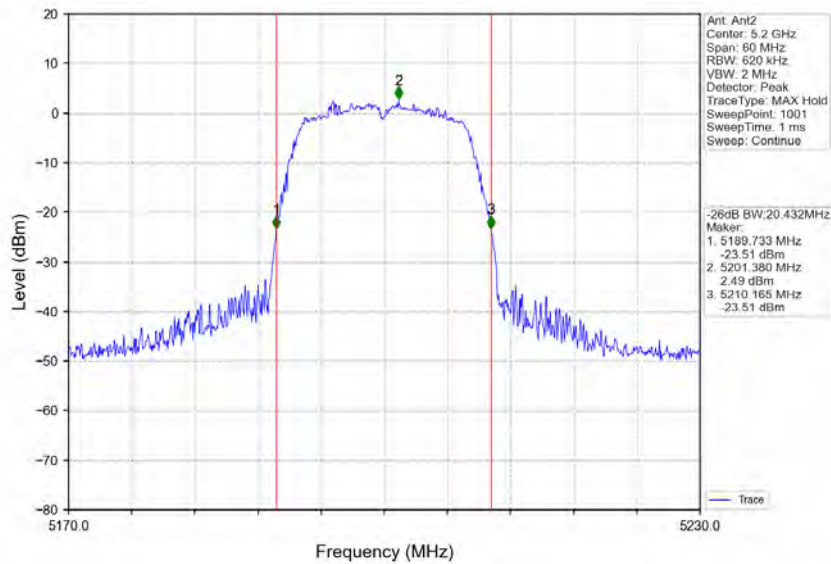
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802.11a_MCH_5200MHz_Ant1_NTNV



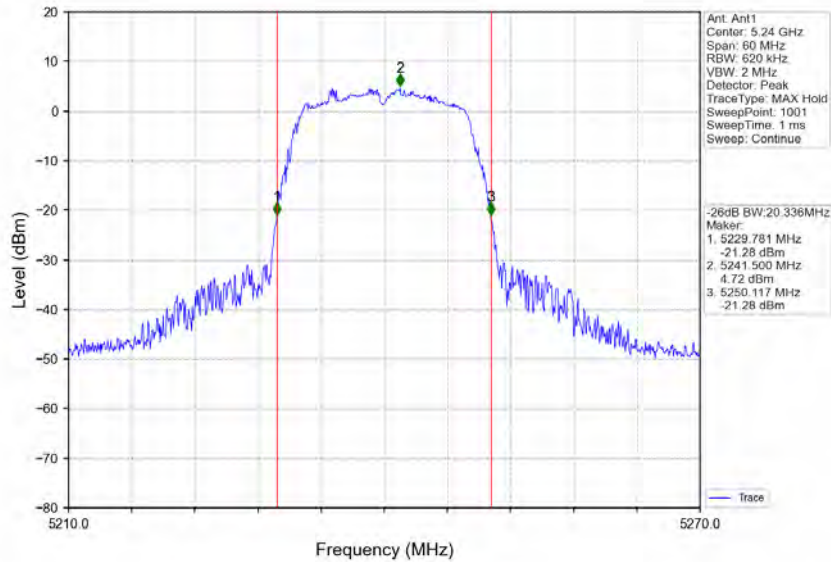
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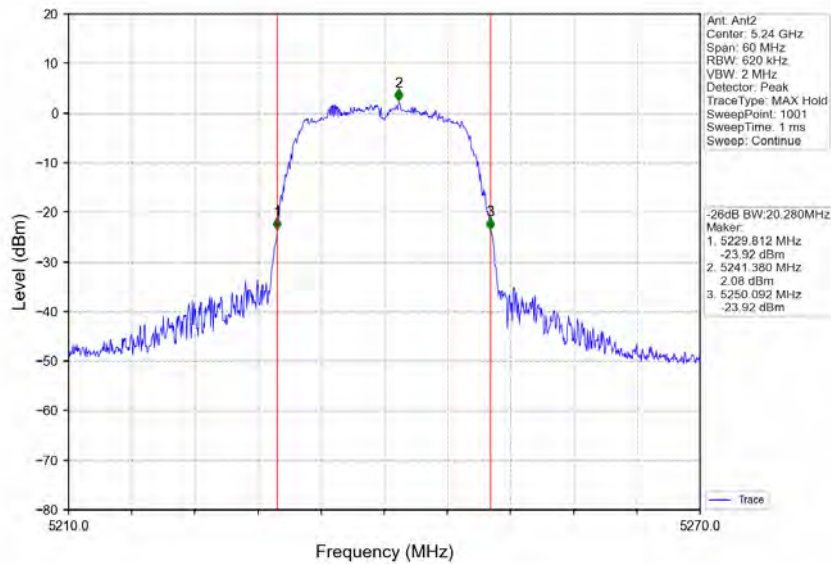
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802.11a_HCH_5240MHz_Ant1_NTNV



802.11a_HCH_5240MHz_Ant2_NTNV



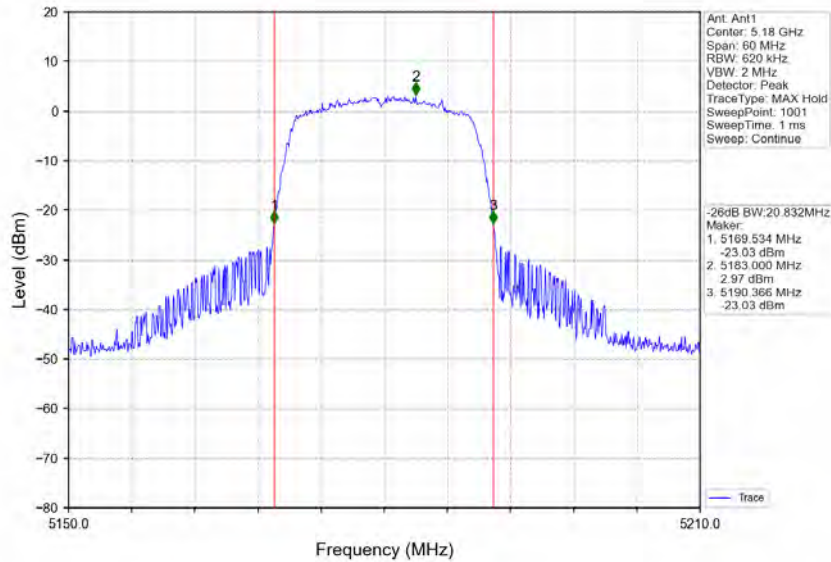
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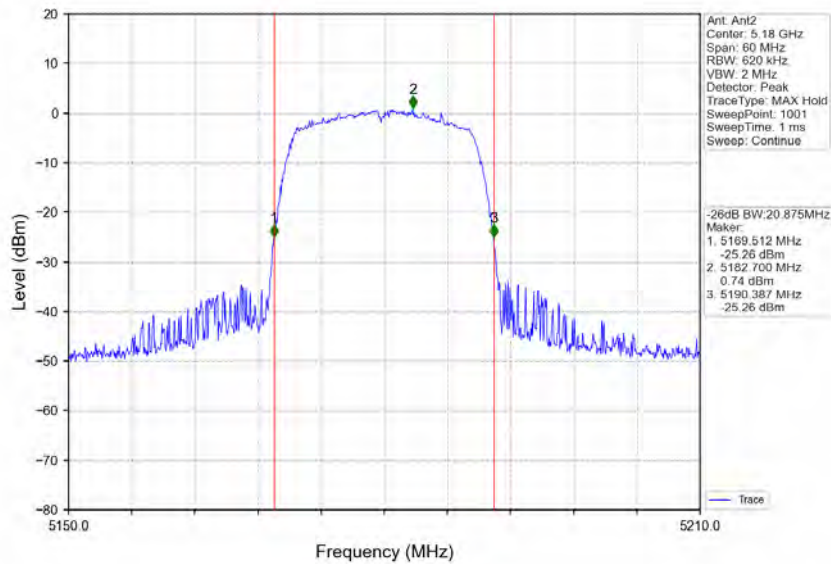
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802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



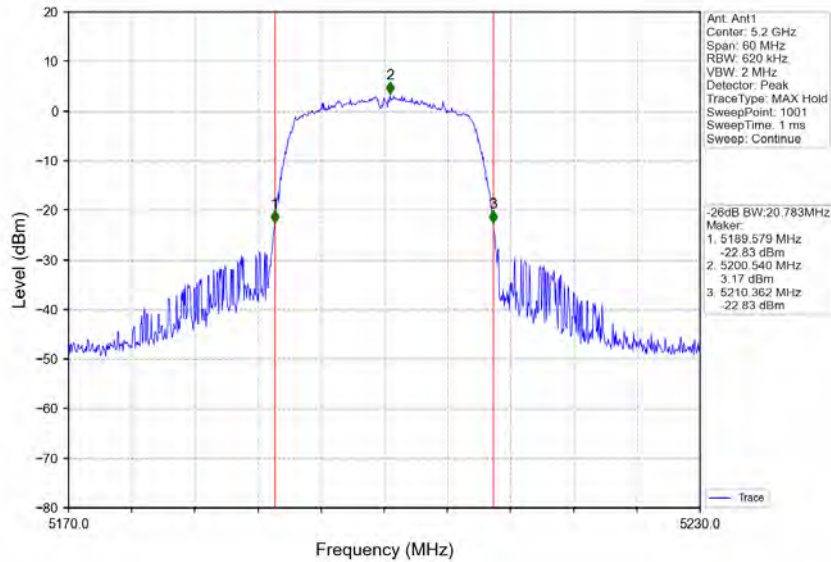
802.11n(HT20)_LCH_5180MHz_Ant2_NTNV



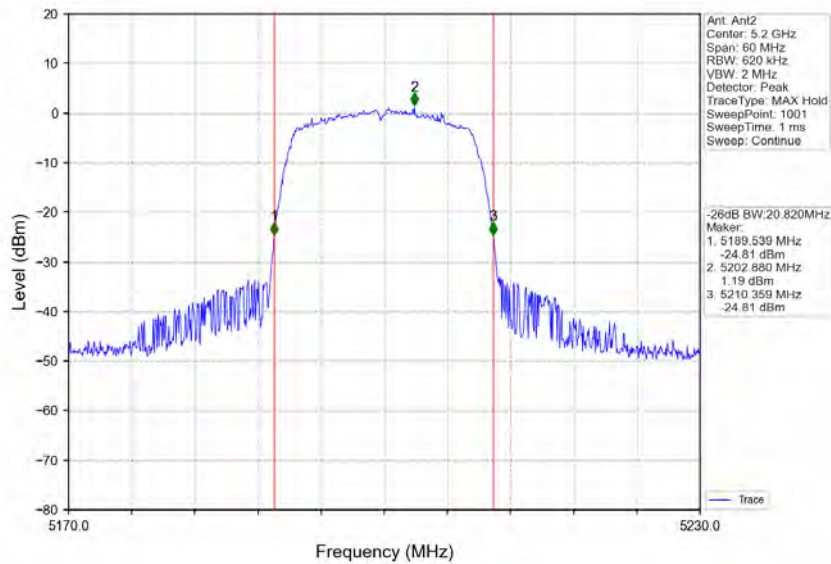
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802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



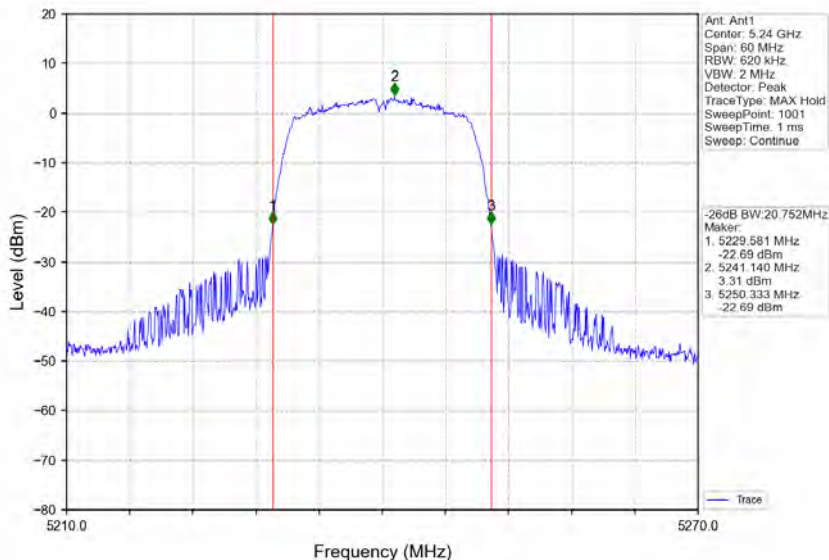
802.11n(HT20)_MCH_5200MHz_Ant2_NTNV



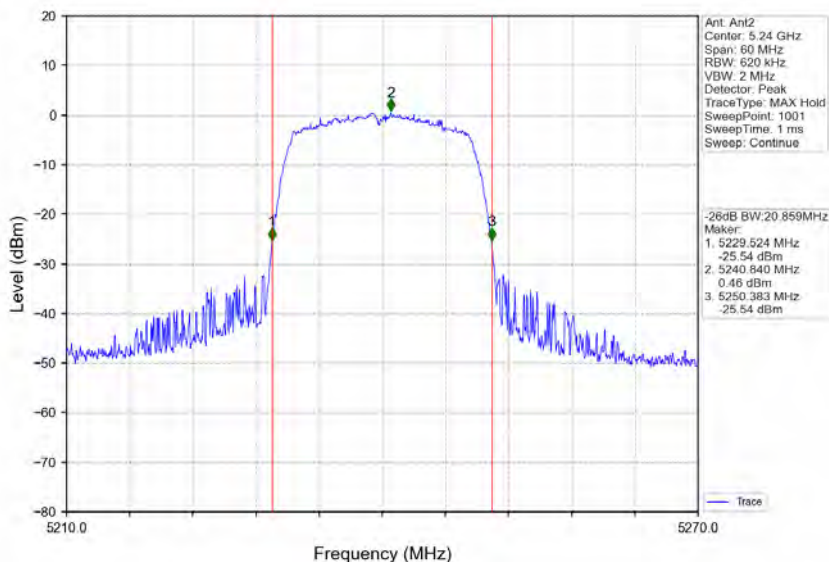
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802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



802.11n(HT20)_HCH_5240MHz_Ant2_NTNV



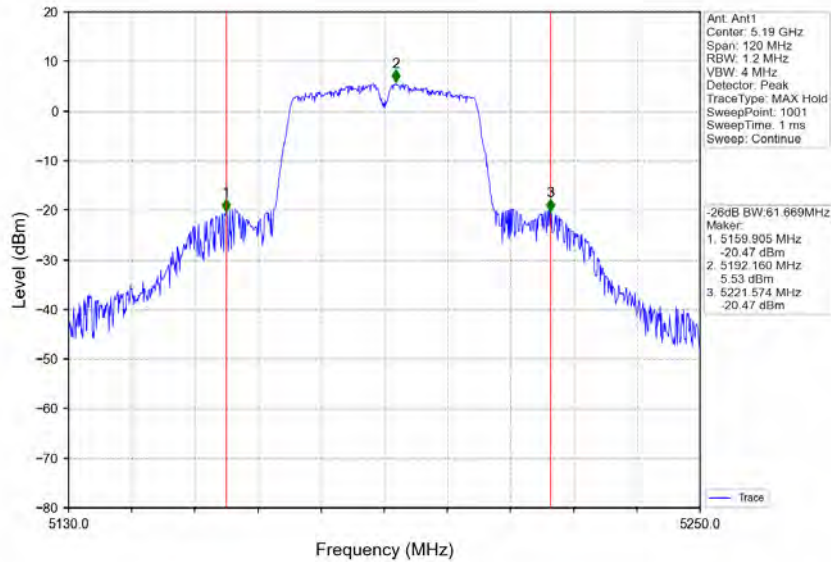
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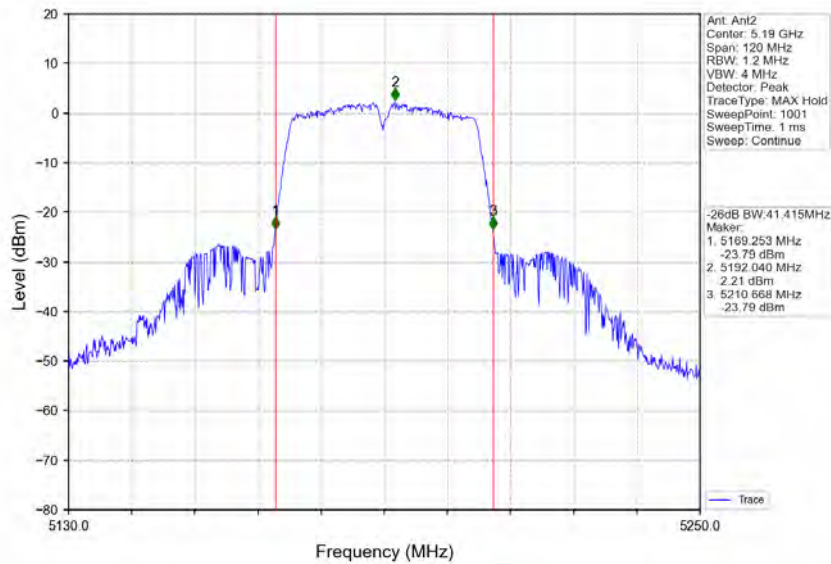
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802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



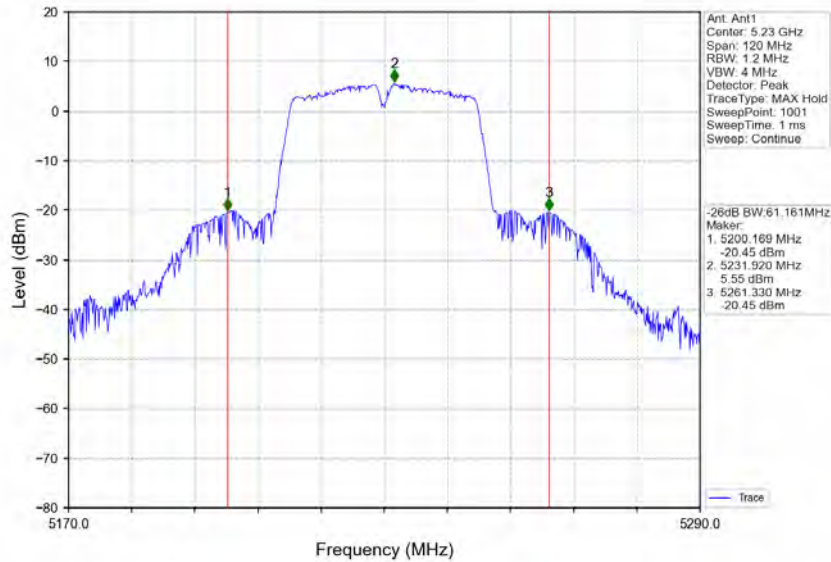
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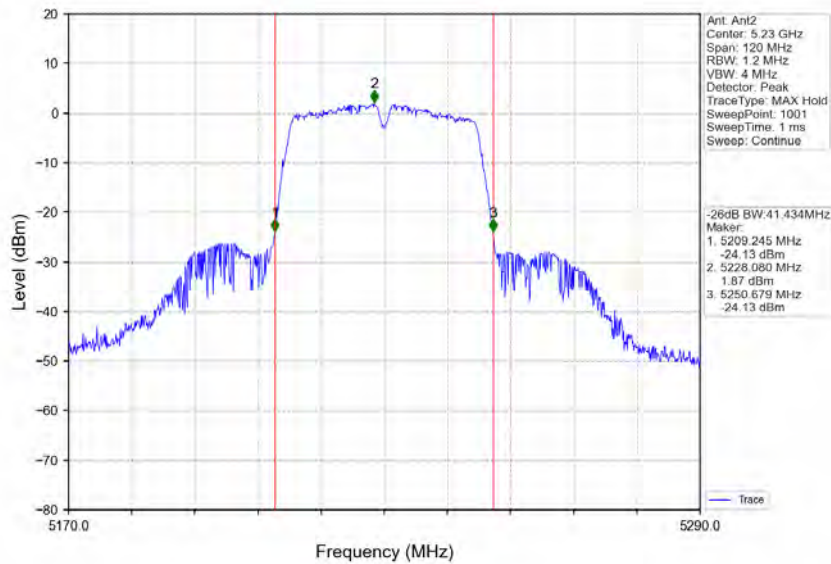
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802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



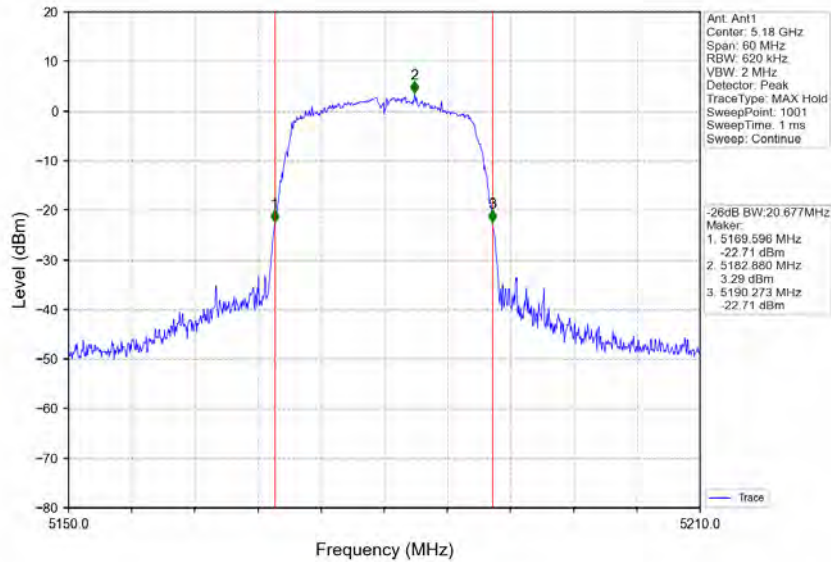
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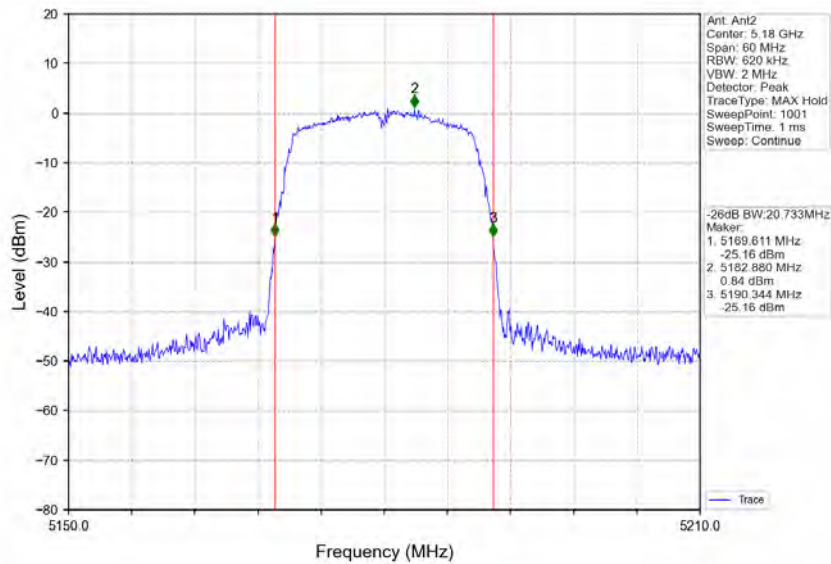
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802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



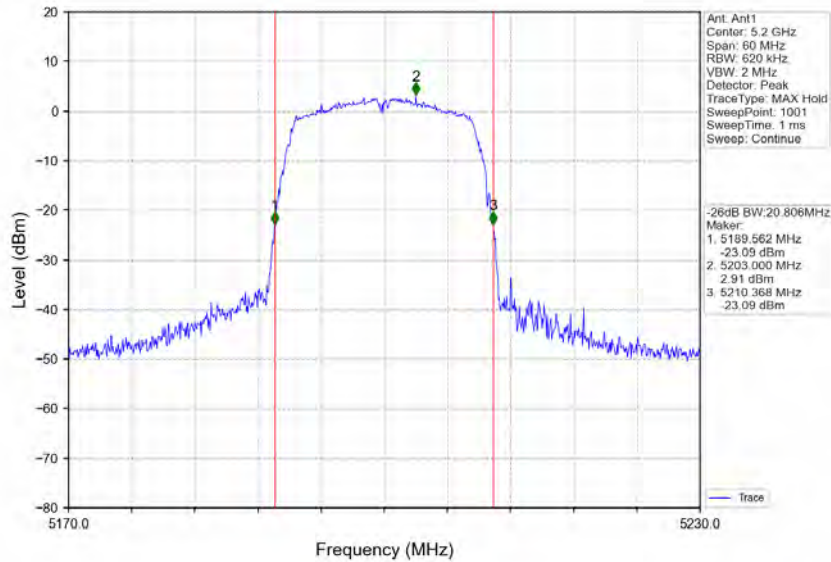
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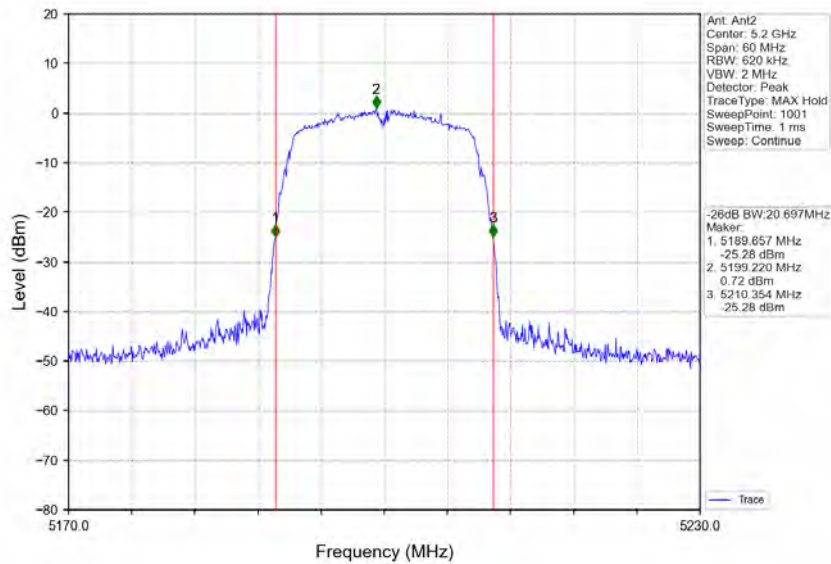
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802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



802.11ac(VHT20)_MCH_5200MHz_Ant2_NTNV



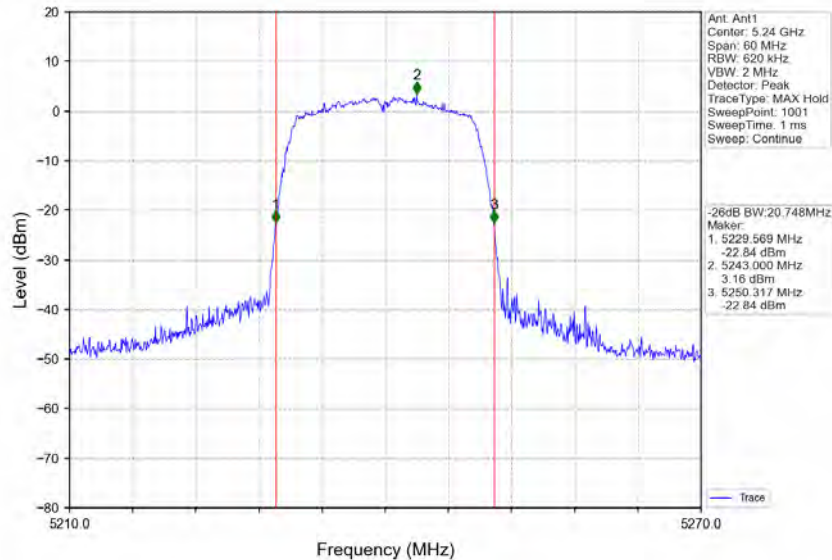
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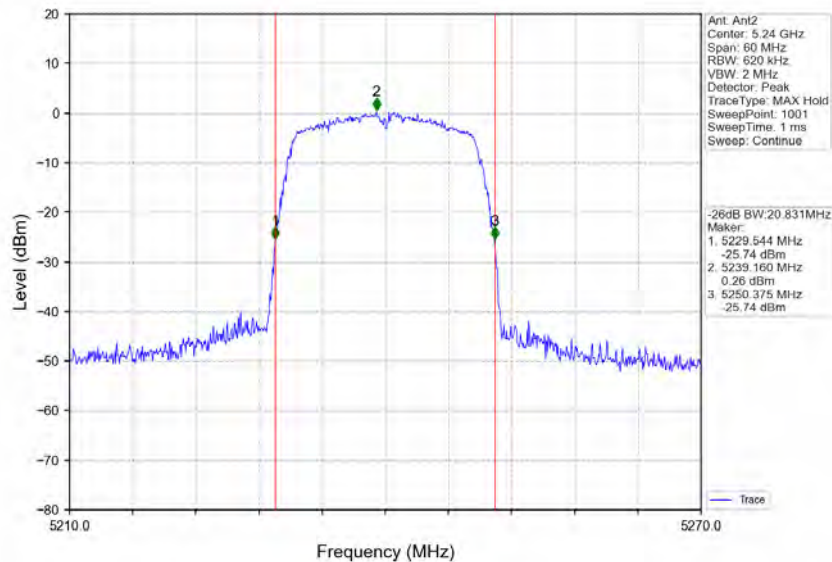
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802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



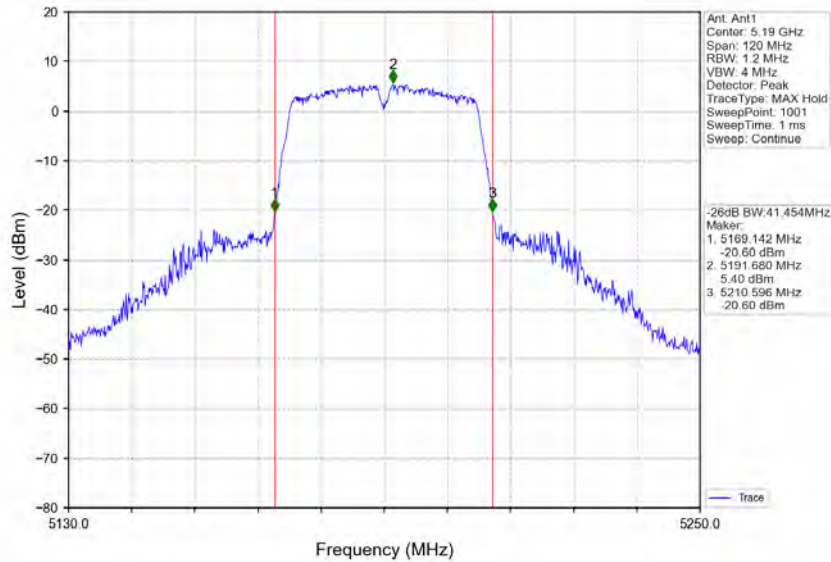
802.11ac(VHT20)_HCH_5240MHz_Ant2_NTNV



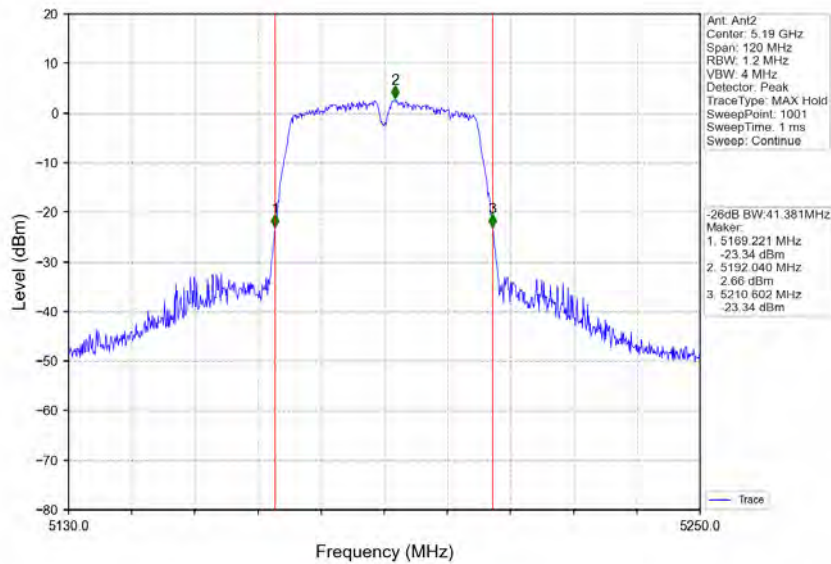
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802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



802.11ac(VHT40)_LCH_5190MHz_Ant2_NTNV



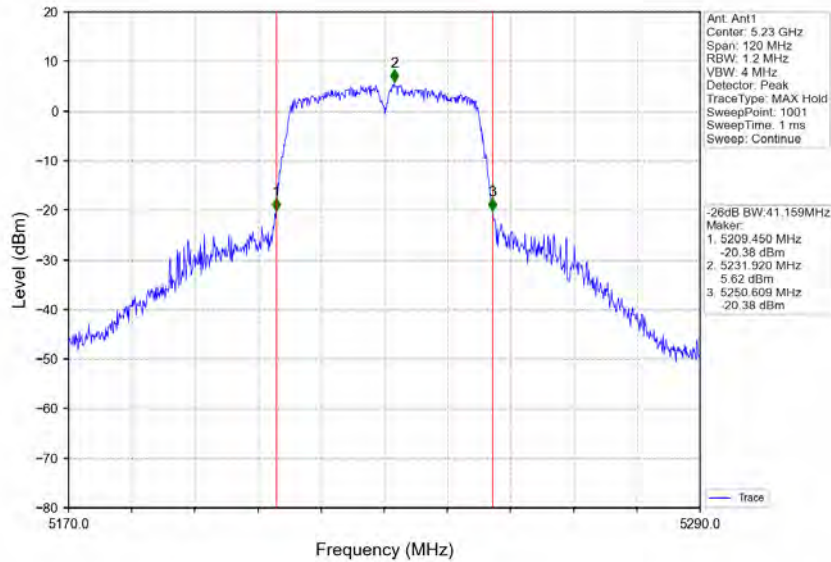
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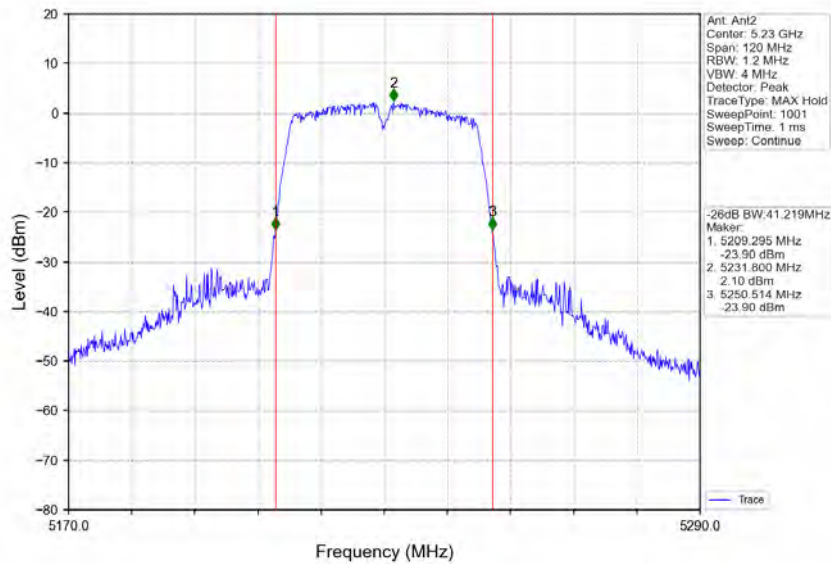
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802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



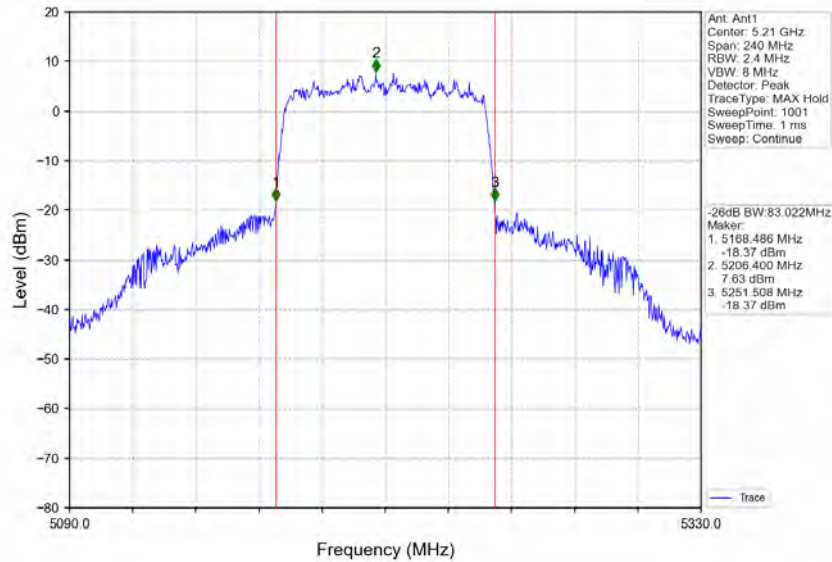
802.11ac(VHT40)_HCH_5230MHz_Ant2_NTNV



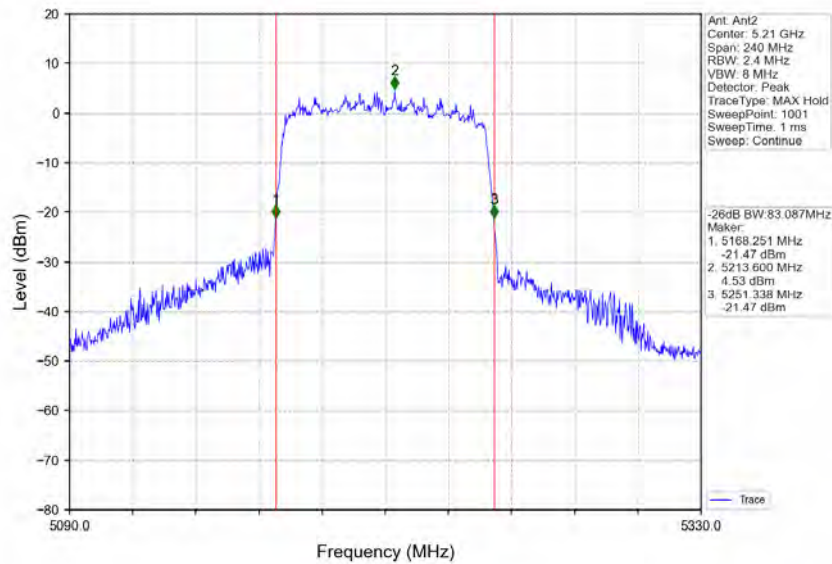
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802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5210MHz_Ant2_NTNV



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3. Maximum Conducted Output Power

3.1 Power for FCC

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	10.09	7.78	/	<=23.98	Pass
		5200	10.11	7.87	/	<=23.98	Pass
		5240	10.01	7.23	/	<=23.98	Pass
		5745	8.89	8.06	/	<=30	Pass
		5785	8.18	7.48	/	<=30	Pass
		5825	7.89	7.19	/	<=30	Pass
802.11n (HT20)	MIMO	5180	8.97	6.75	11.01	<=23.98	Pass
		5200	8.90	6.64	10.93	<=23.98	Pass
		5240	8.91	6.26	10.79	<=23.98	Pass
		5745	7.81	6.99	10.43	<=30	Pass
		5785	7.11	6.36	9.76	<=30	Pass
		5825	6.94	6.13	9.56	<=30	Pass
802.11n (HT40)	MIMO	5190	10.14	6.65	11.75	<=23.98	Pass
		5230	10.02	6.40	11.59	<=23.98	Pass
		5755	8.26	7.36	10.84	<=30	Pass
		5795	7.50	6.60	10.08	<=30	Pass
802.11ac (VHT20)	MIMO	5180	8.89	6.65	10.92	<=23.98	Pass
		5200	8.84	6.74	10.93	<=23.98	Pass
		5240	8.81	6.21	10.71	<=23.98	Pass
		5745	7.85	7.05	10.48	<=30	Pass
		5785	7.28	6.31	9.83	<=30	Pass
		5825	6.97	6.04	9.54	<=30	Pass
802.11ac (VHT40)	MIMO	5190	10.07	6.97	11.80	<=23.98	Pass
		5230	9.94	6.70	11.63	<=23.98	Pass
		5755	8.35	7.69	11.04	<=30	Pass
		5795	7.50	6.94	10.24	<=30	Pass
802.11ac (VHT80)	MIMO	5210	10.26	6.77	11.87	<=23.98	Pass
		5775	8.16	7.30	10.76	<=30	Pass

Note1: Antenna Gain: Ant1: 2.30dBi; Ant2: 0.78dBi;
 Note2: Directional Gain: 4.62dBi

3.2 EIRP for IC

3.2.1 Test Result

Mode	TX Type	Frequency (MHz)	E.I.R.P (dBm)				Verdict
			Ant1	Ant2	MIMO	Limit	
802.11a	SISO	5180	12.39	8.56	/	<=23.01	Pass



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		5200	12.41	8.65	/	<=23.01	Pass
		5240	12.31	8.01	/	<=23.01	Pass
		5745	11.19	8.84	/	/	Pass
		5785	10.48	8.26	/	/	Pass
		5825	10.19	7.97	/	/	Pass
802.11n (HT20)	MIMO	5180	11.27	7.53	12.80	<=23.01	Pass
		5200	11.20	7.42	12.72	<=23.01	Pass
		5240	11.21	7.04	12.62	<=23.01	Pass
		5745	10.11	7.77	12.11	/	Pass
		5785	9.41	7.14	11.43	/	Pass
		5825	9.24	6.91	11.24	/	Pass
802.11n (HT40)	MIMO	5190	12.44	7.43	13.63	<=23.01	Pass
		5230	12.32	7.18	13.48	<=23.01	Pass
		5755	10.56	8.14	12.53	/	Pass
		5795	9.80	7.38	11.77	/	Pass
802.11ac (VHT20)	MIMO	5180	11.19	7.43	12.72	<=23.01	Pass
		5200	11.14	7.52	12.71	<=23.01	Pass
		5240	11.11	6.99	12.53	<=23.01	Pass
		5745	10.15	7.83	12.15	/	Pass
		5785	9.58	7.09	11.52	/	Pass
		5825	9.27	6.82	11.23	/	Pass
802.11ac (VHT40)	MIMO	5190	12.37	7.75	13.66	<=23.01	Pass
		5230	12.24	7.48	13.49	<=23.01	Pass
		5755	10.65	8.47	12.71	/	Pass
		5795	9.80	7.72	11.89	/	Pass
802.11ac (VHT80)	MIMO	5210	12.56	7.55	13.75	<=23.01	Pass
		5775	10.46	8.08	12.44	/	Pass
Note1: Antenna Gain: Ant1: 2.30dBi; Ant2: 0.78dBi; Note2: E.I.R.P = Measured Power + Antenna Gain Note3: Directional Gain: 4.62dBi							



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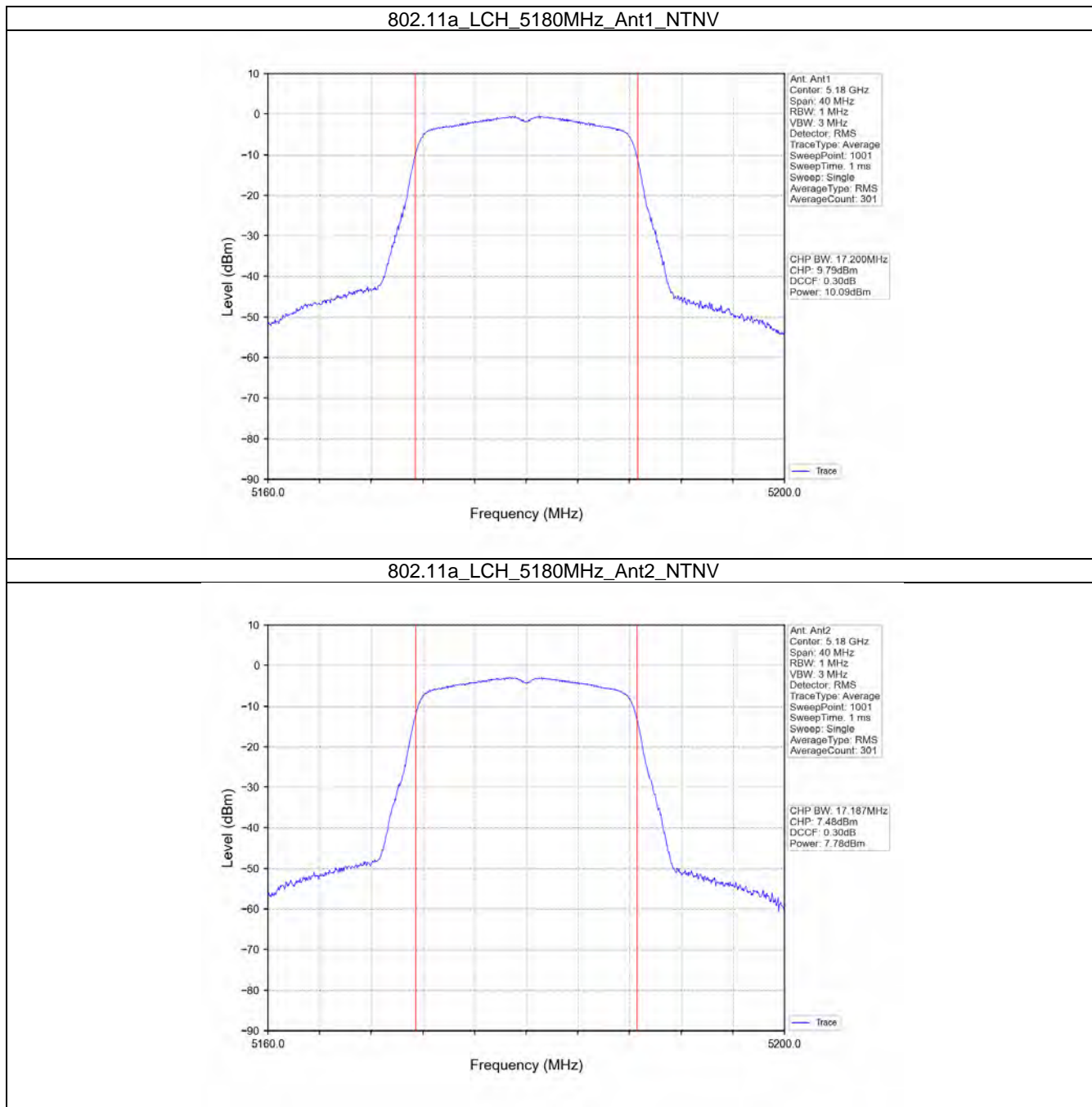
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3.1.2 Test Graph



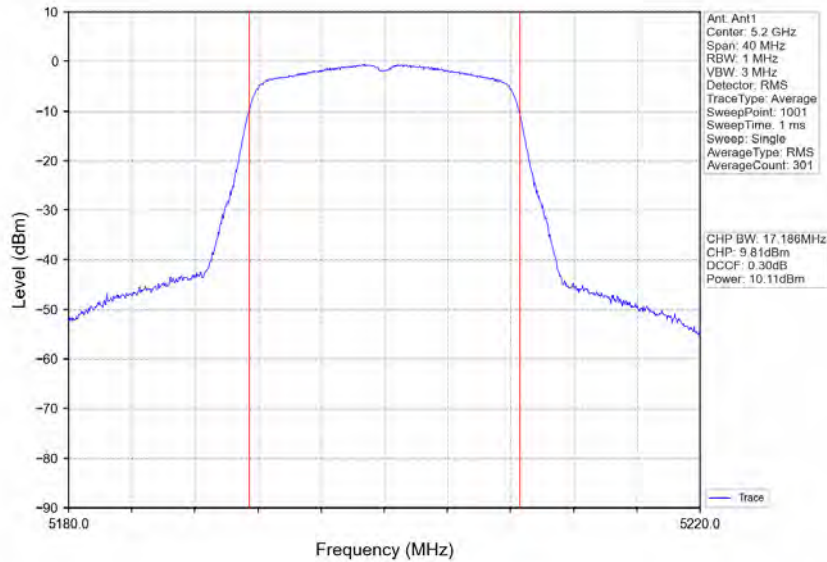
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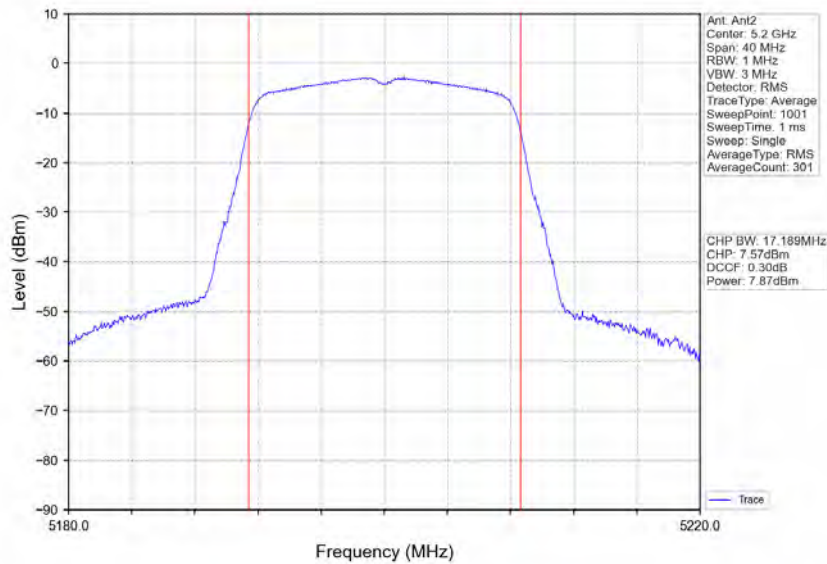
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802.11a_MCH_5200MHz_Ant1_NTNV



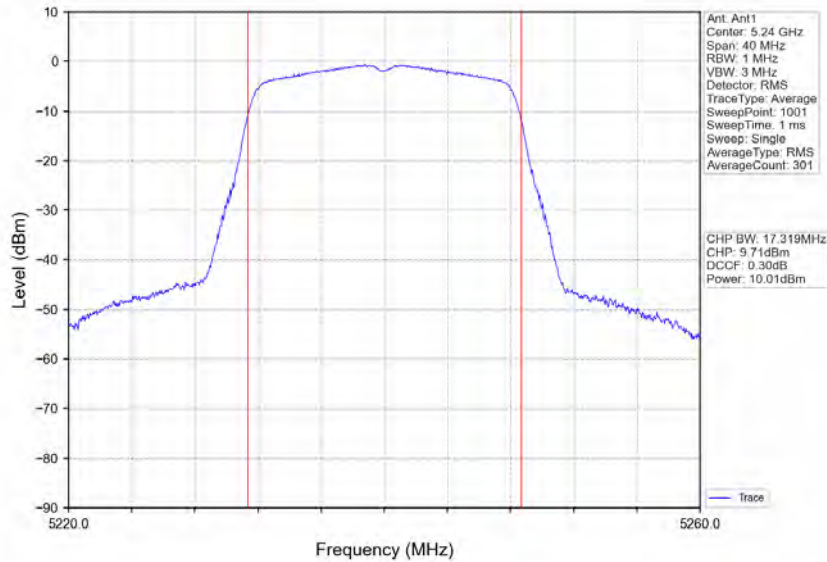
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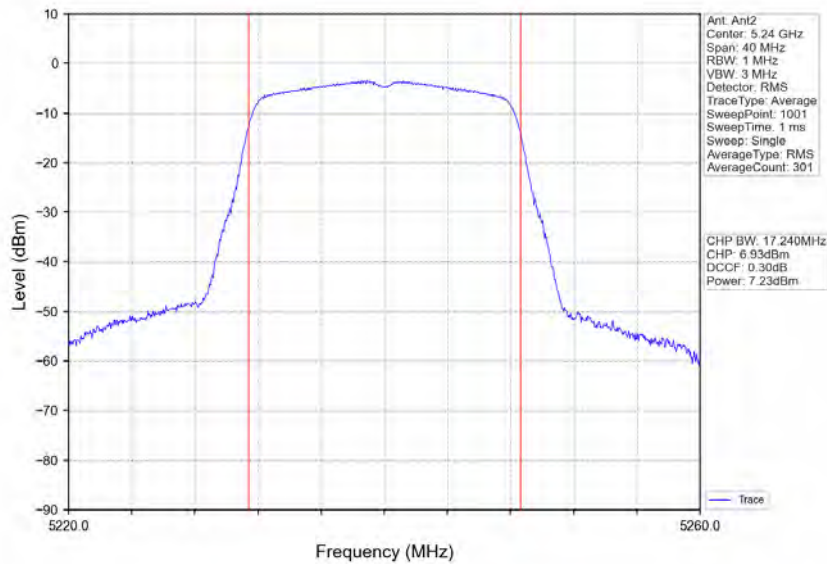
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802.11a_HCH_5240MHz_Ant1_NTNV



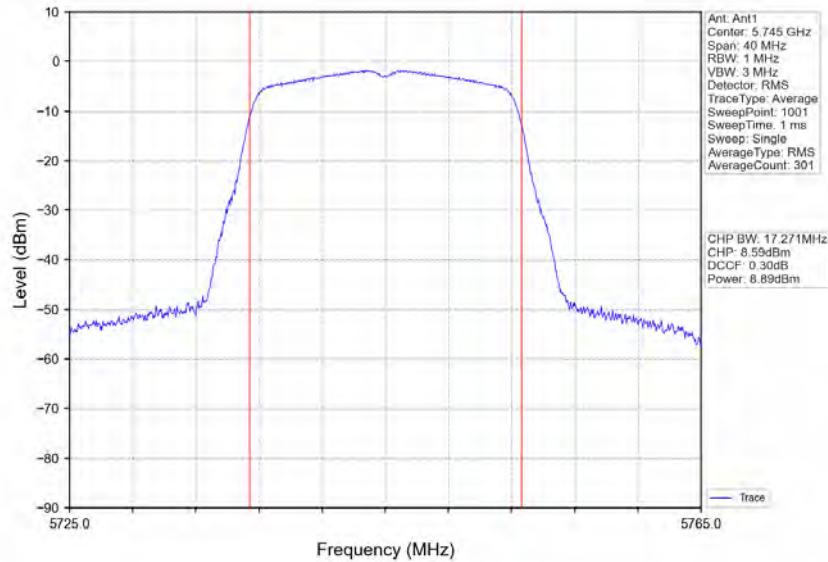
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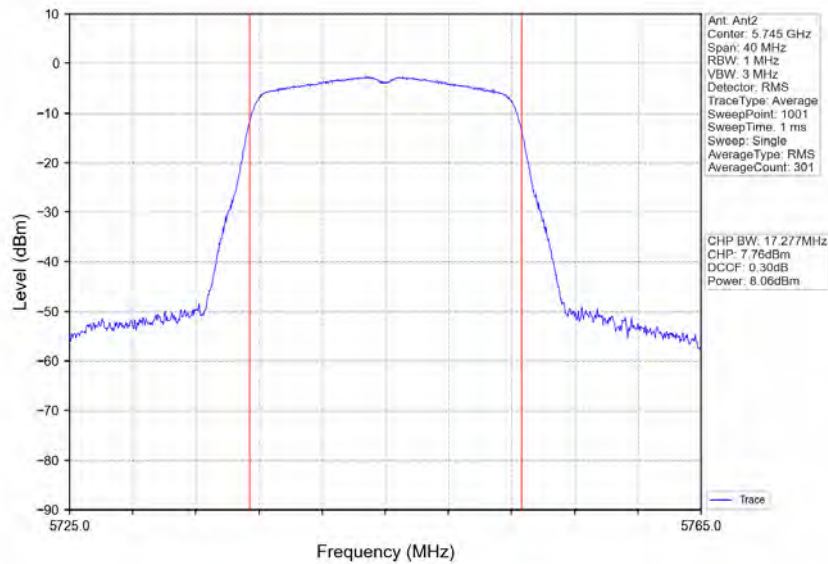
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802.11a_LCH_5745MHz_Ant1_NTNV



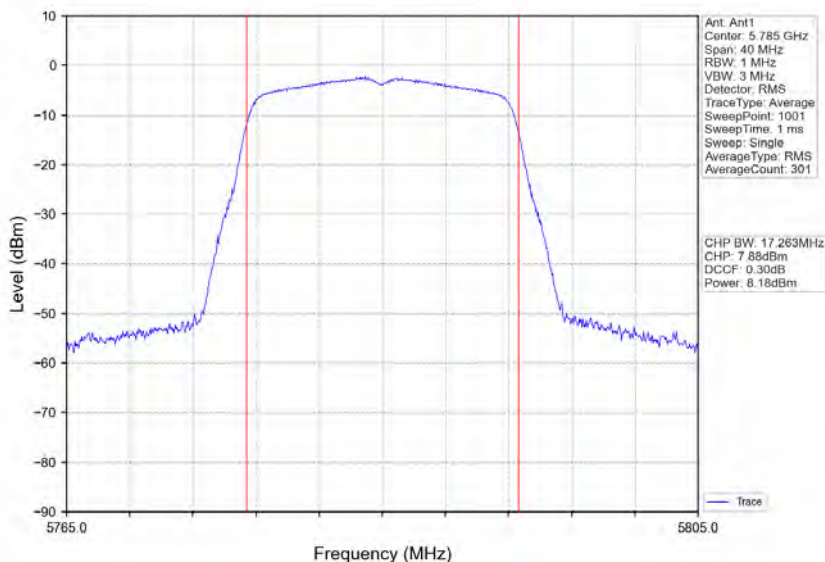
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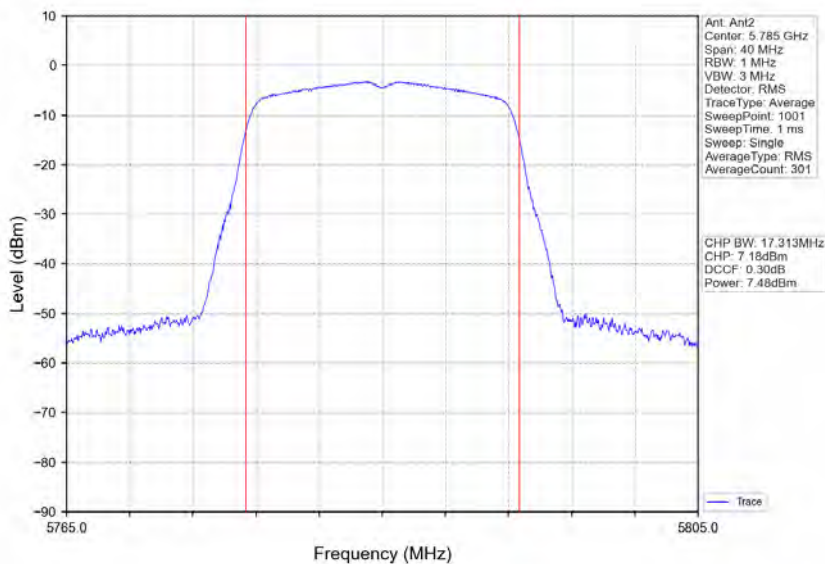
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802.11a_MCH_5785MHz_Ant1_NTNV



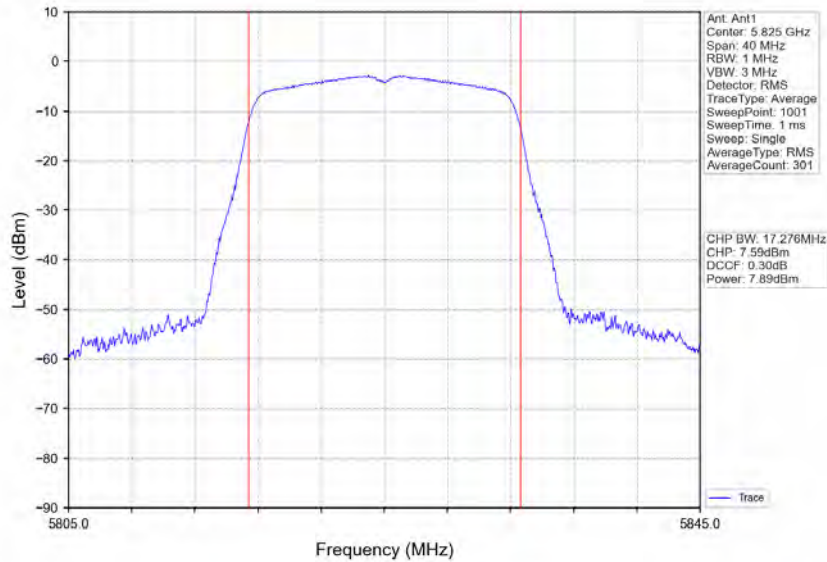
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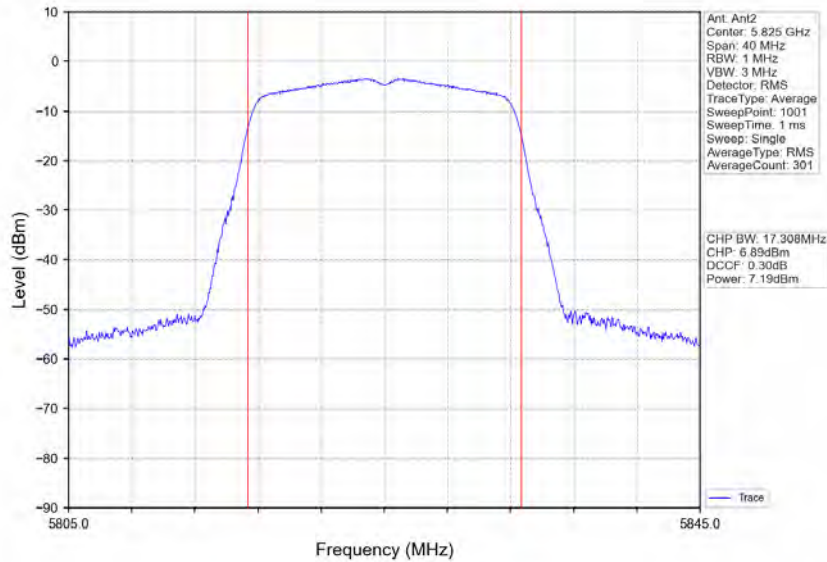
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802.11a_HCH_5825MHz_Ant2_NTNV



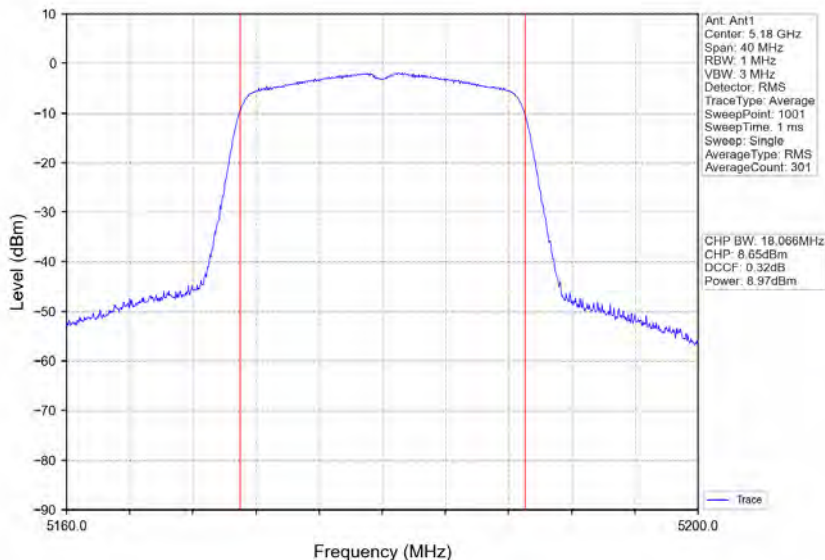
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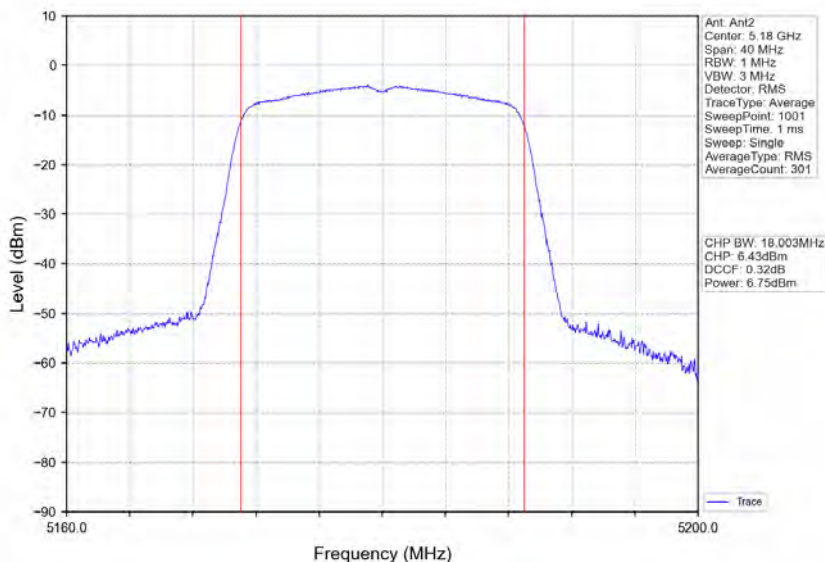
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802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



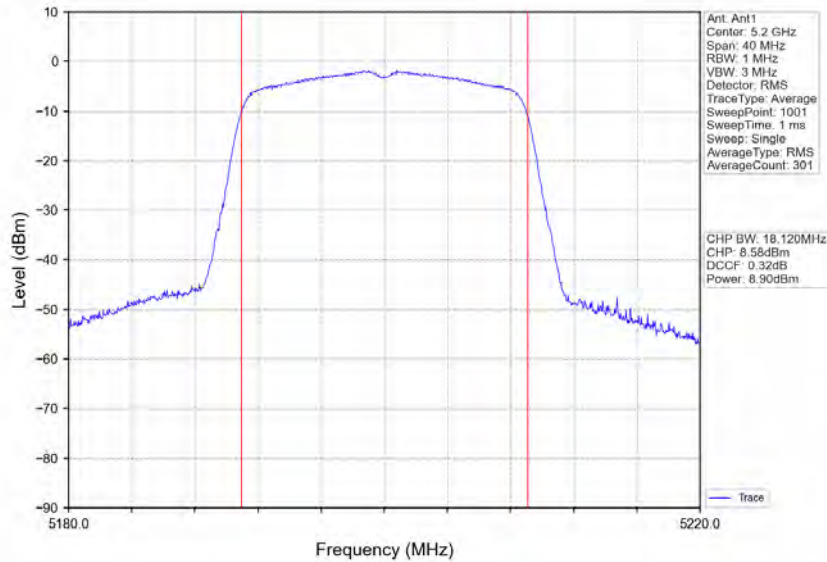
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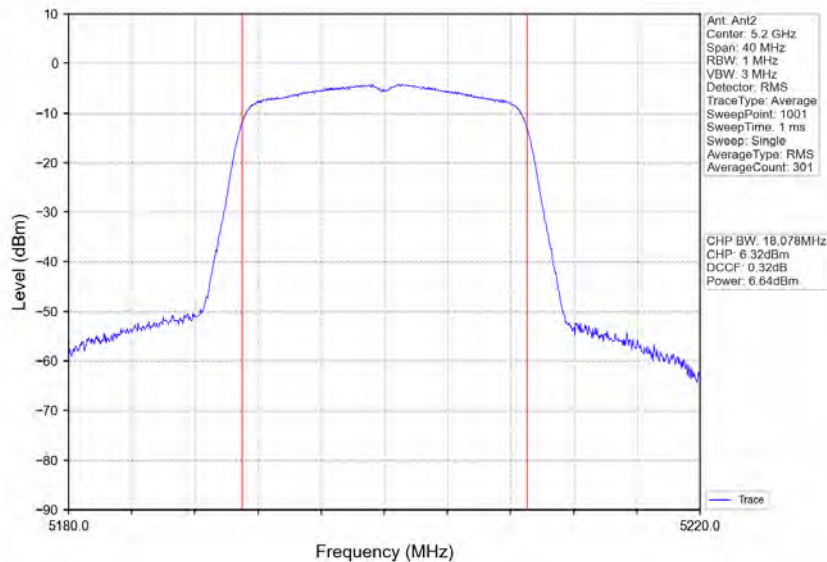
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802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



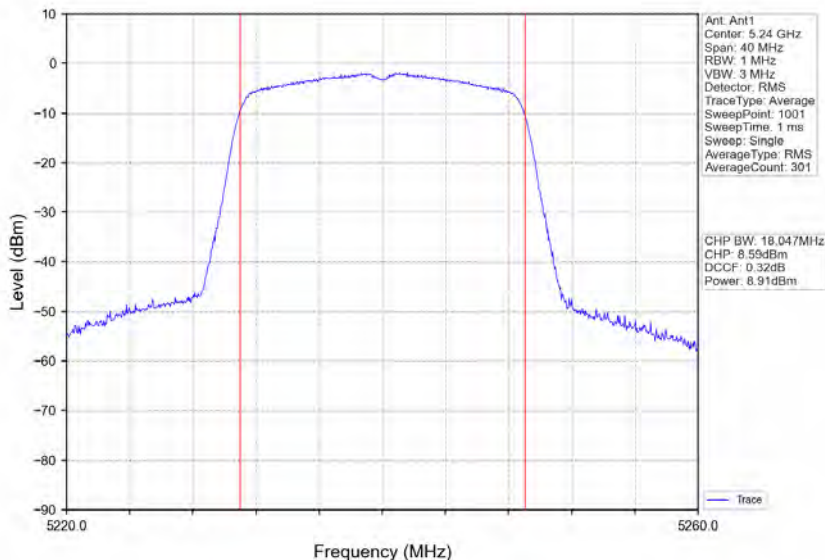
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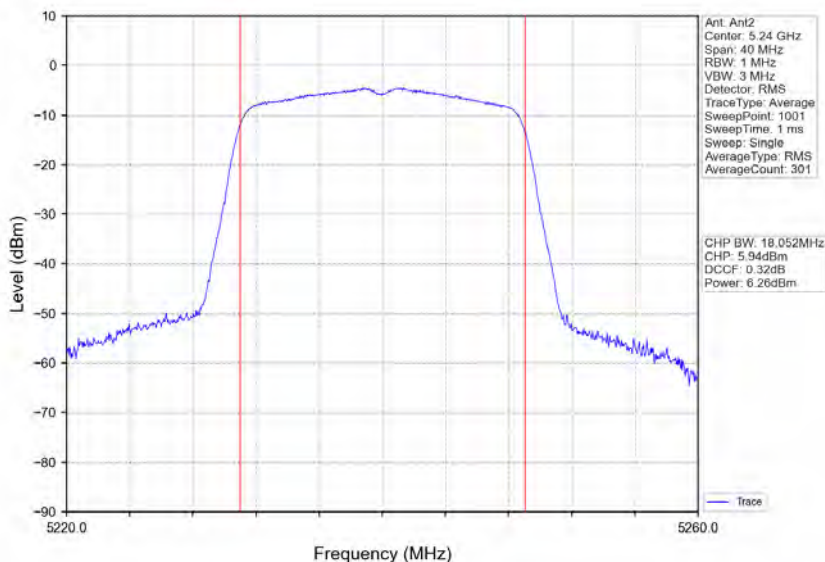
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802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



802.11n(HT20)_HCH_5240MHz_Ant2_NTNV



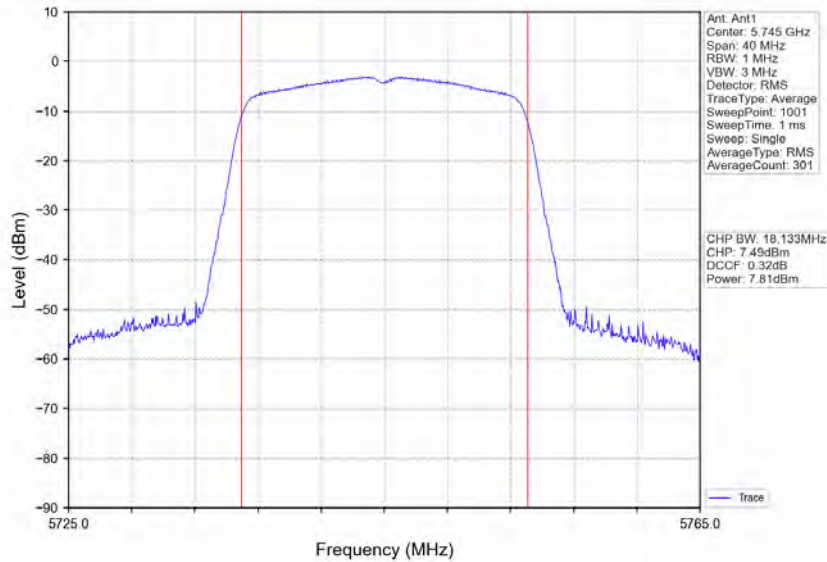
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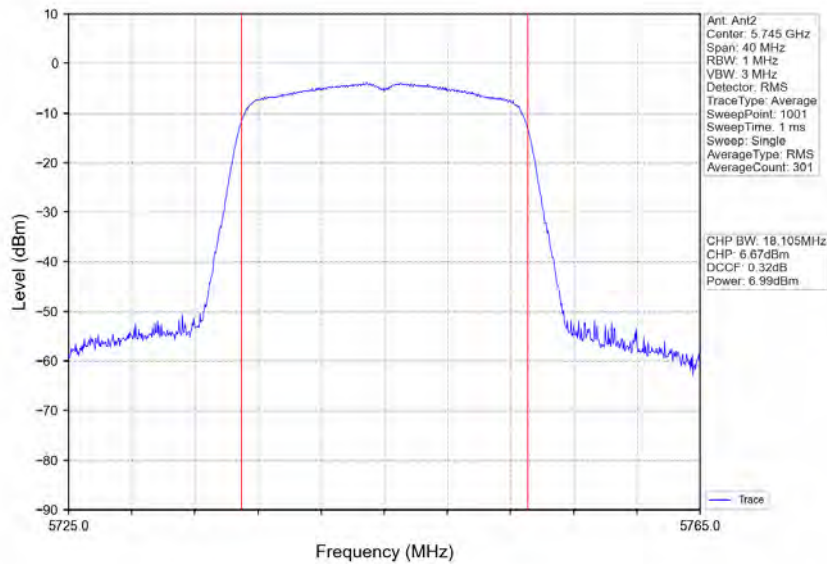
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802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



802.11n(HT20)_LCH_5745MHz_Ant2_NTNV



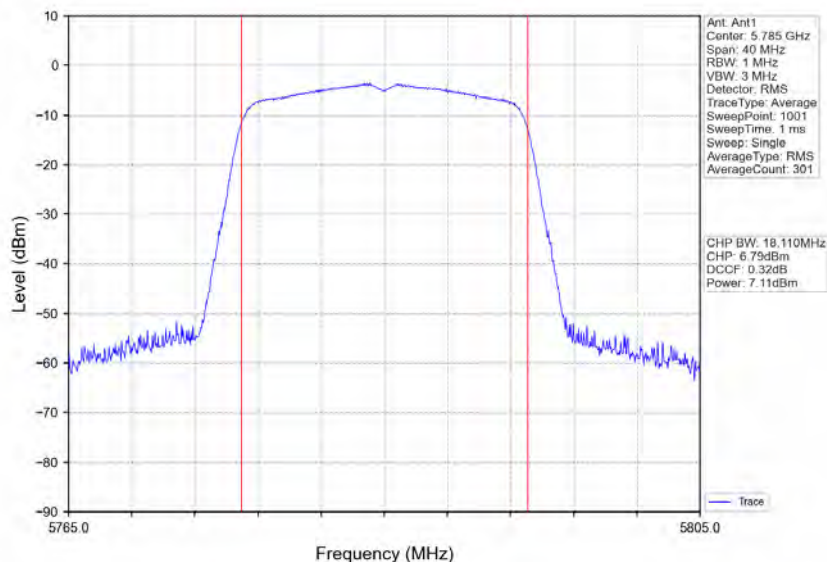
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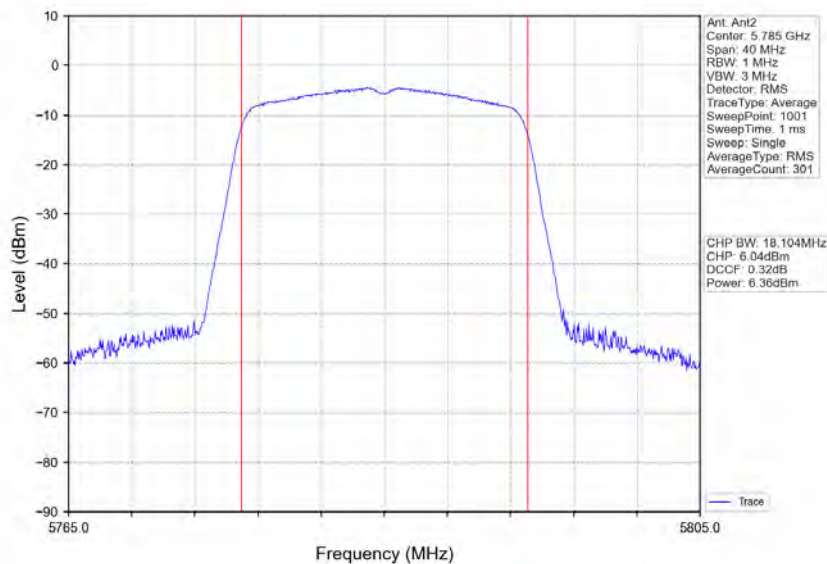
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802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



802.11n(HT20)_MCH_5785MHz_Ant2_NTNV



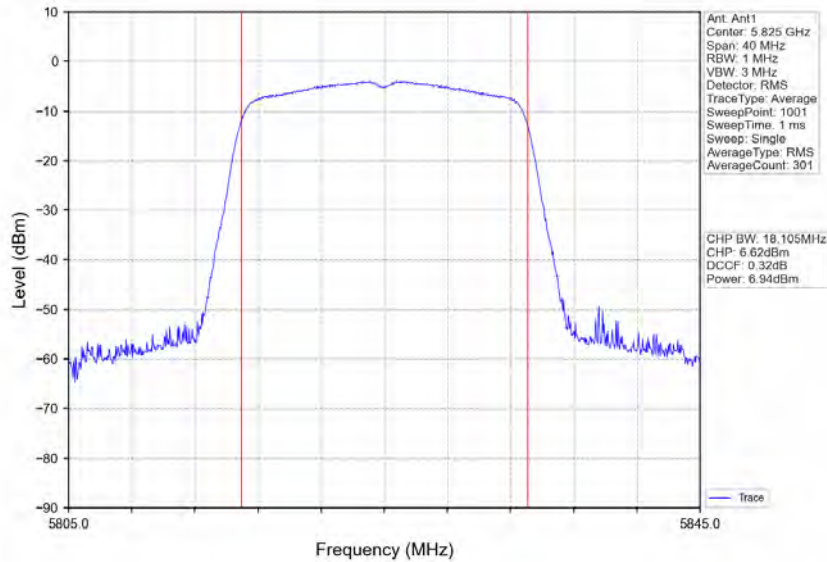
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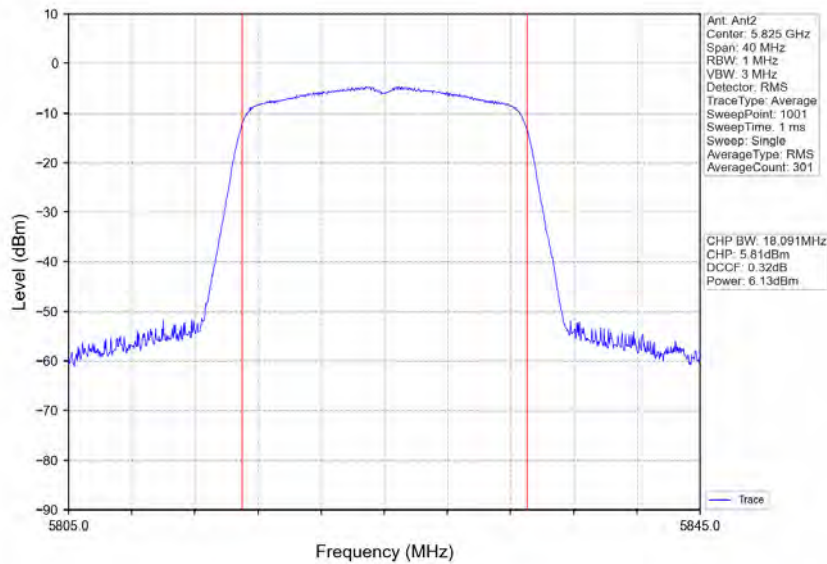
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802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



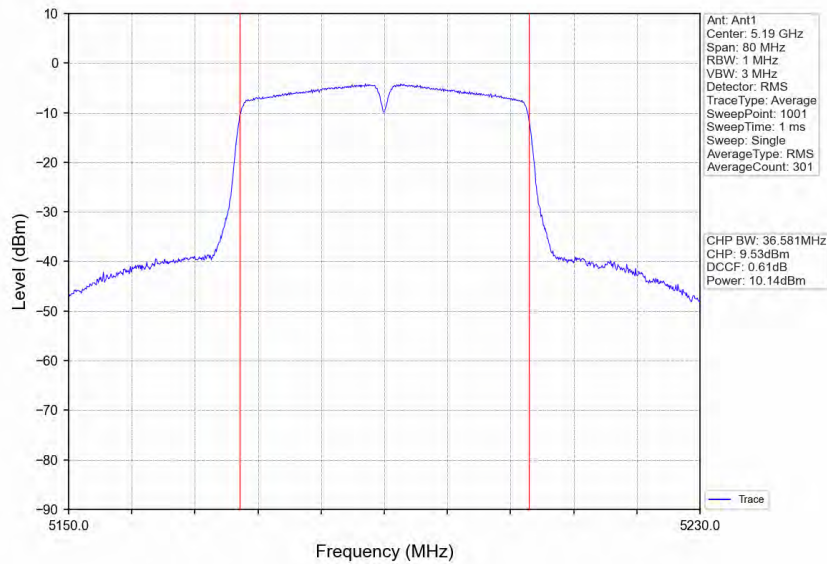
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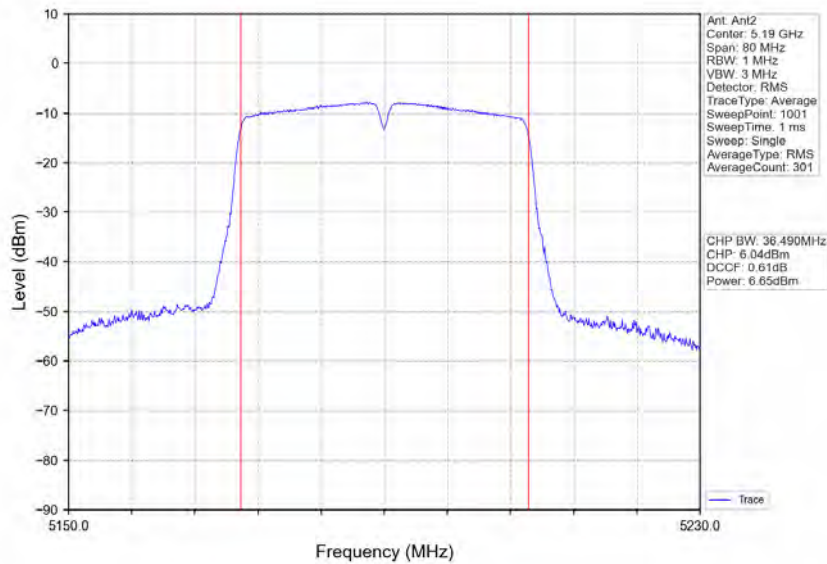
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802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



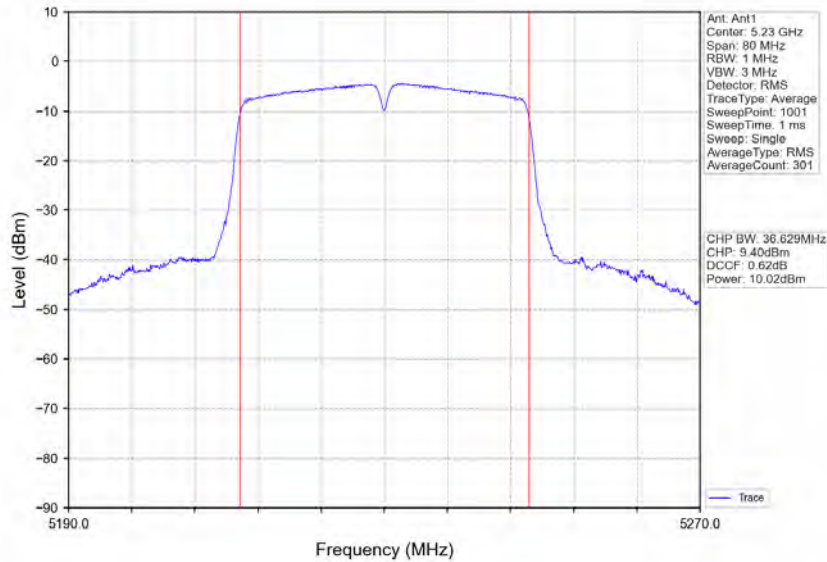
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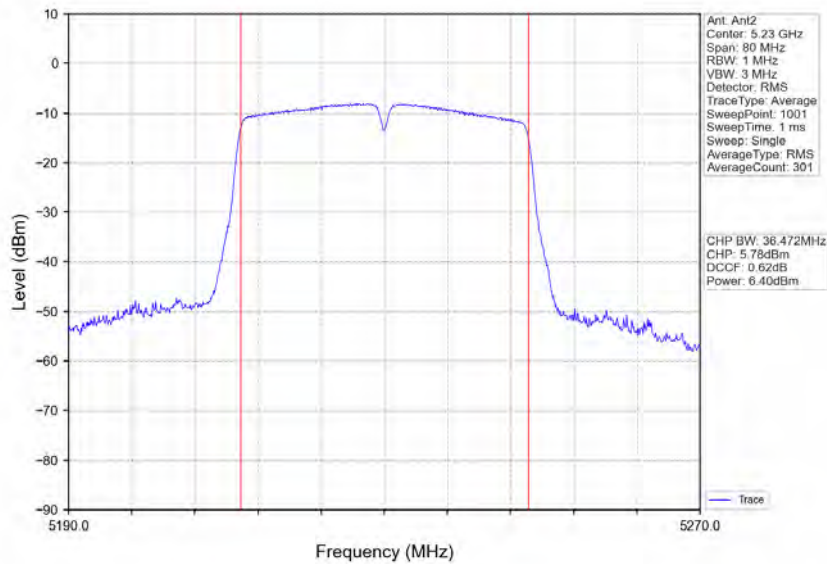
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802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



802.11n(HT40)_HCH_5230MHz_Ant2_NTNV



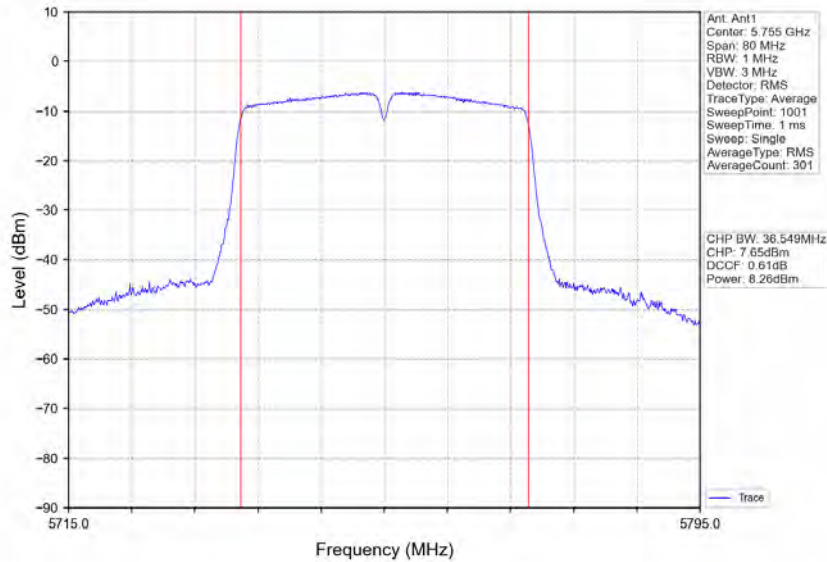
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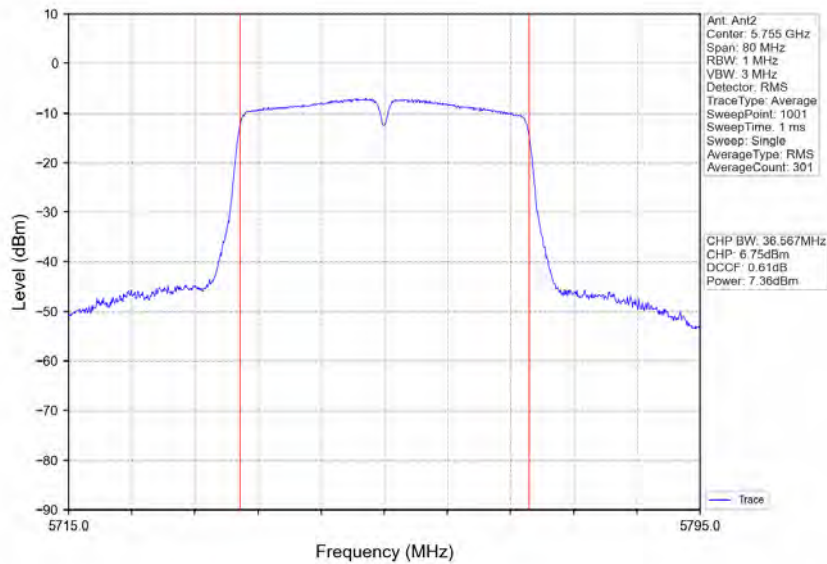
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802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



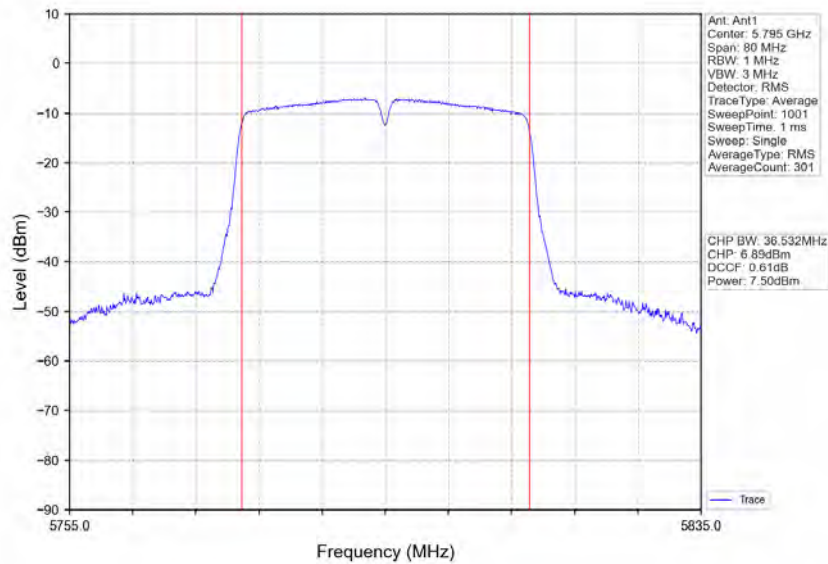
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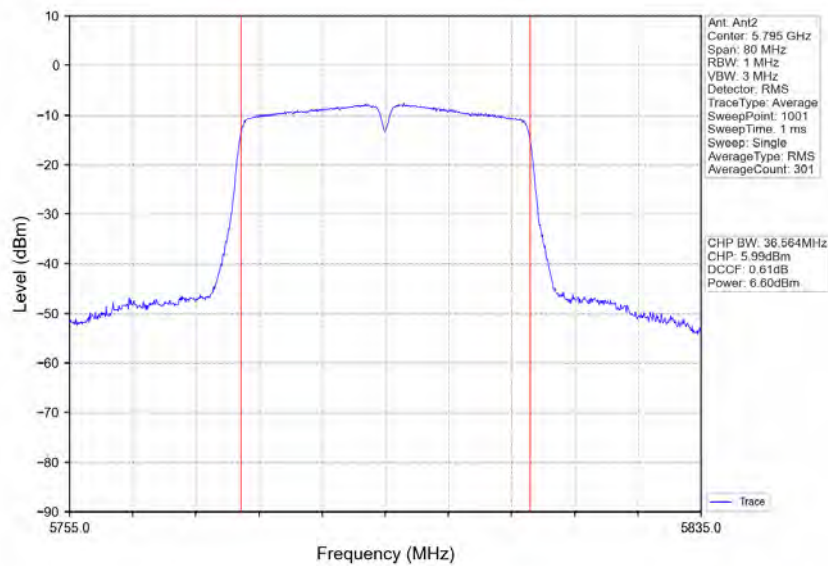
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802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



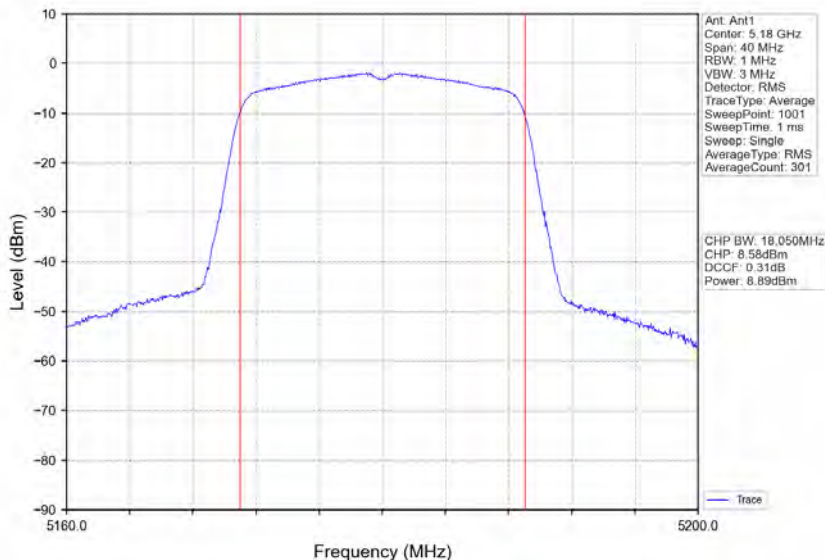
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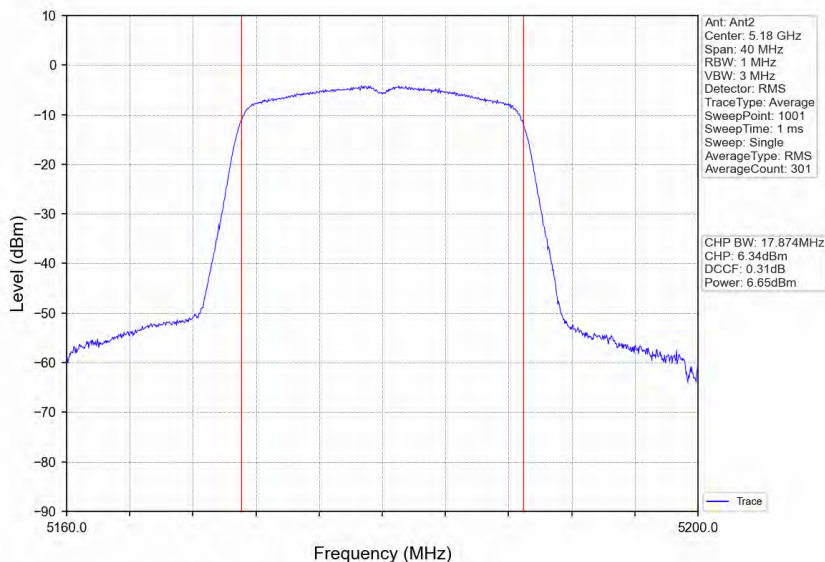
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802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



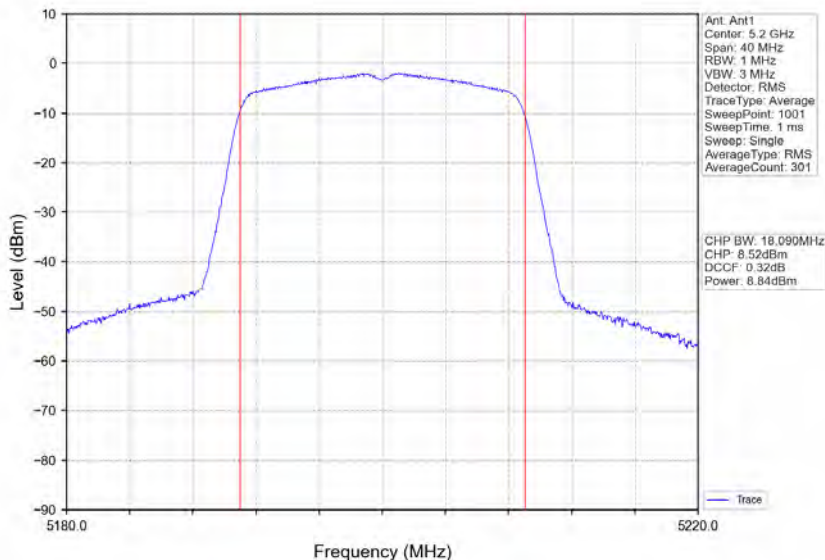
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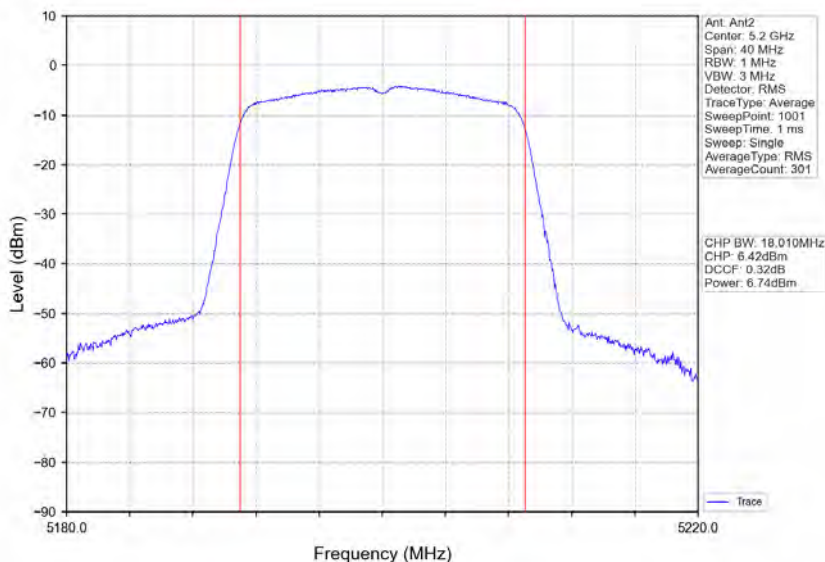
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802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



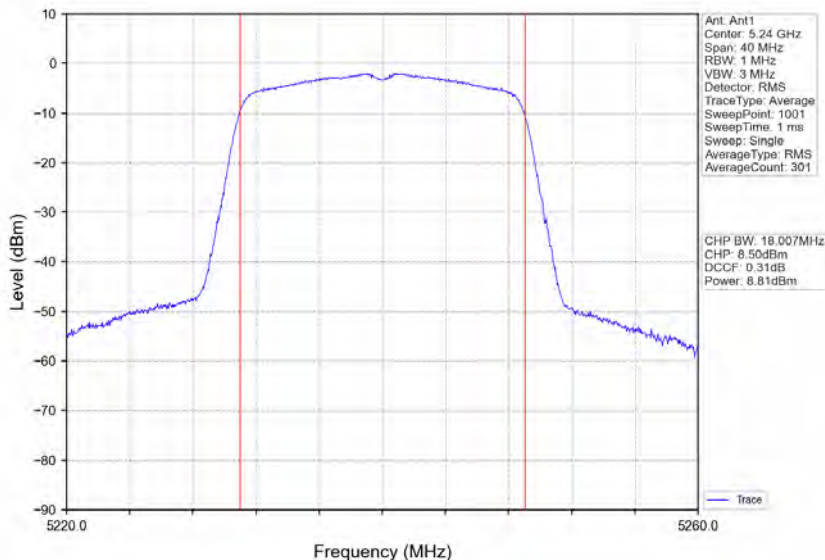
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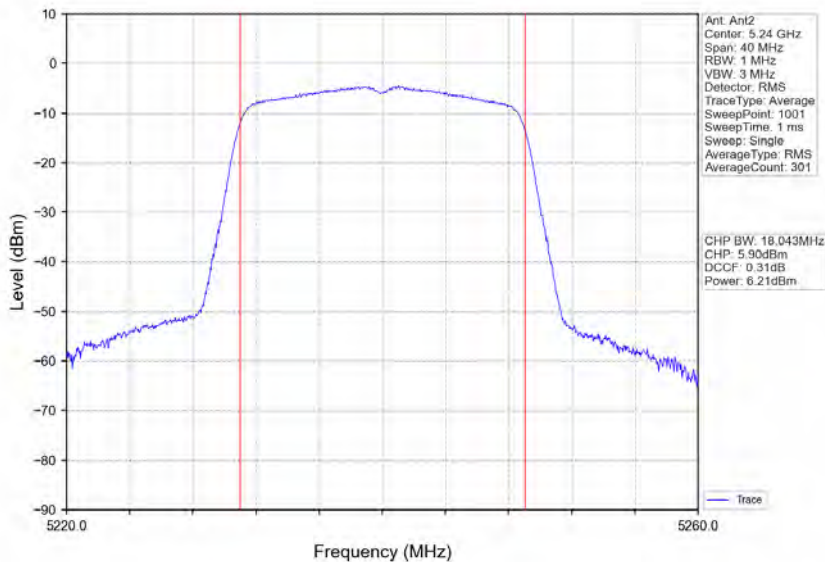
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802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



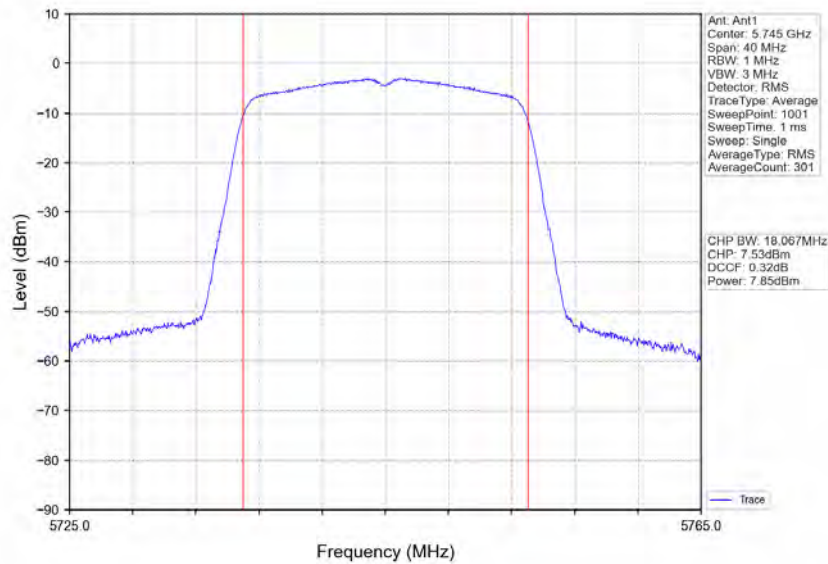
802.11ac(VHT20)_HCH_5240MHz_Ant2_NTNV



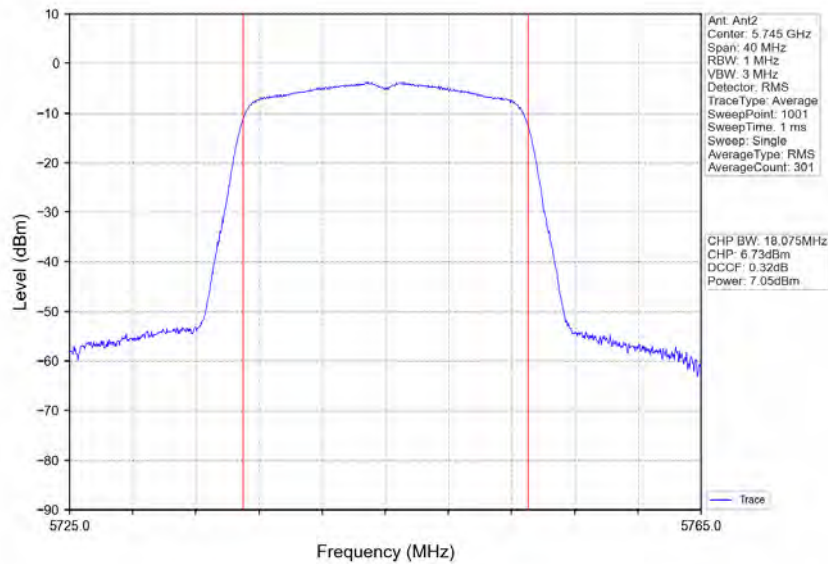
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802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



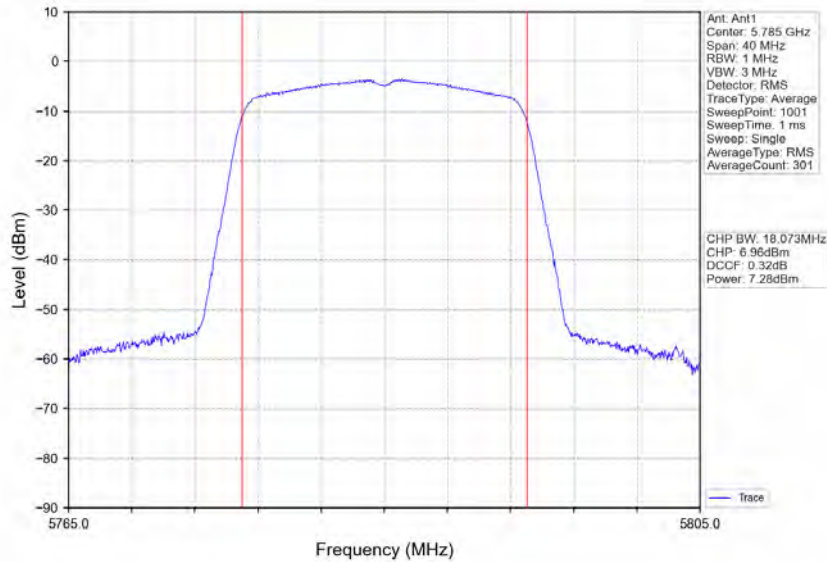
802.11ac(VHT20)_LCH_5745MHz_Ant2_NTNV



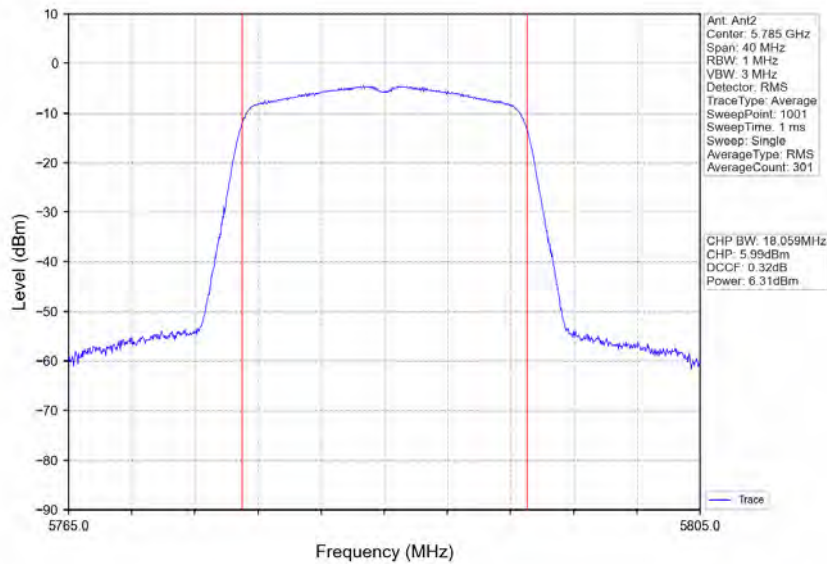
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802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



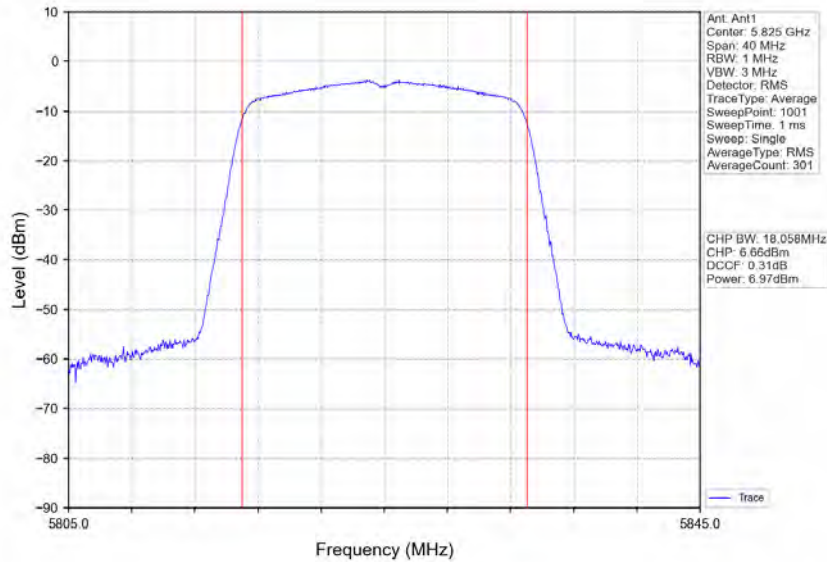
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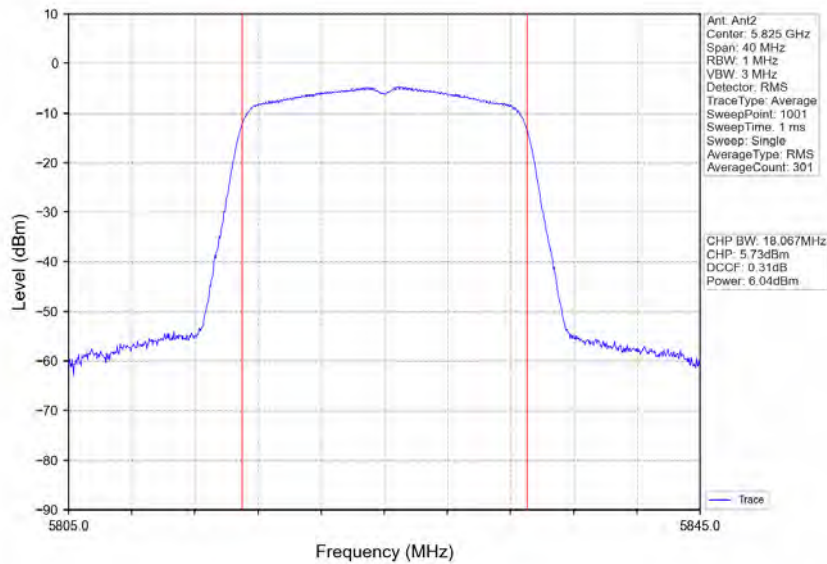
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802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



802.11ac(VHT20)_HCH_5825MHz_Ant2_NTNV



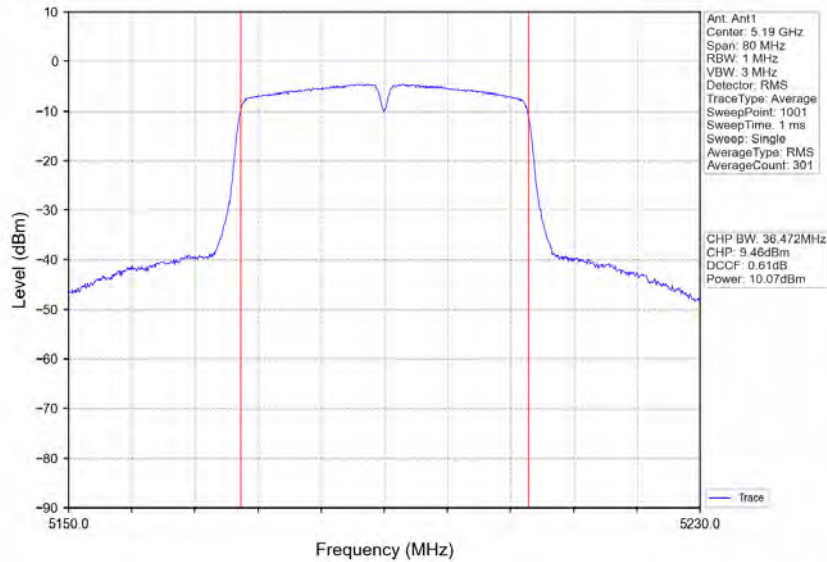
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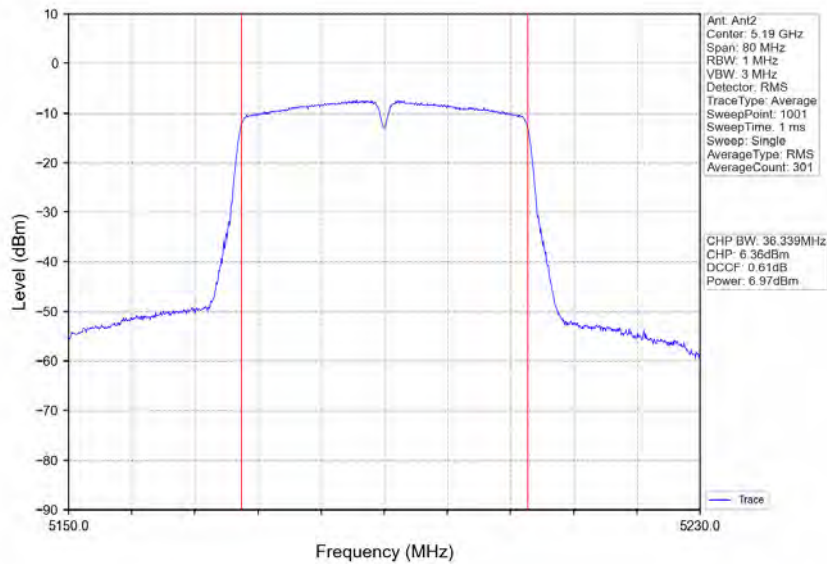
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802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



802.11ac(VHT40)_LCH_5190MHz_Ant2_NTNV



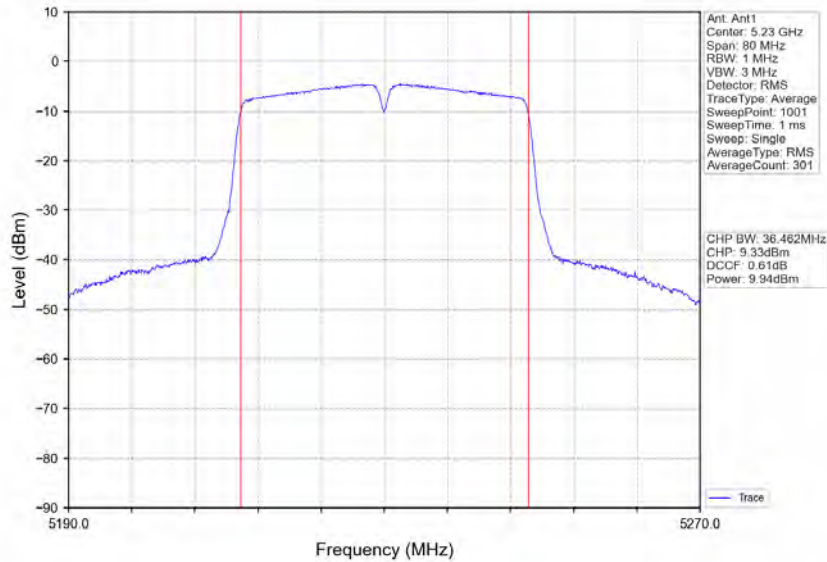
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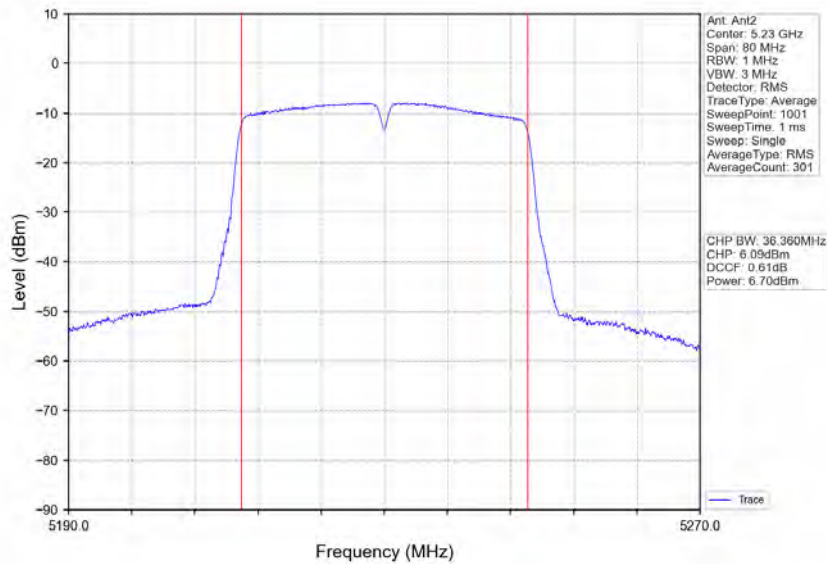
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802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5230MHz_Ant2_NTNV



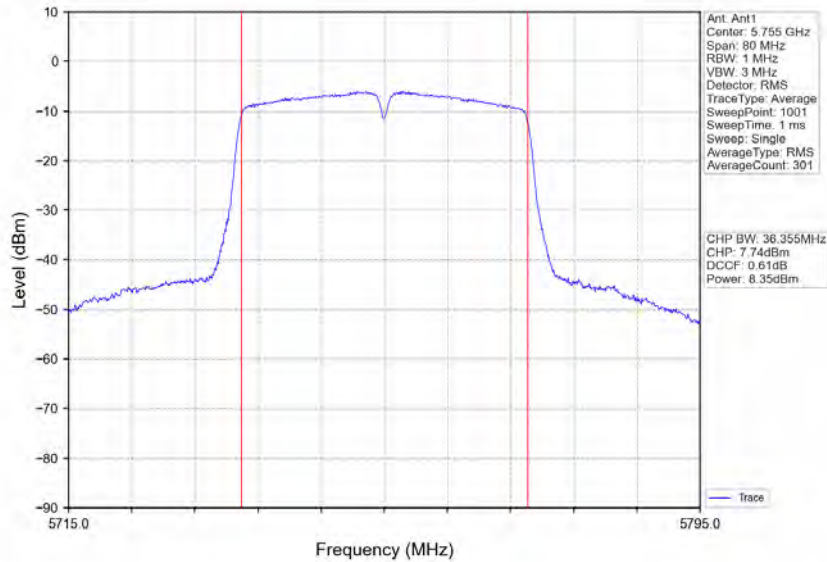
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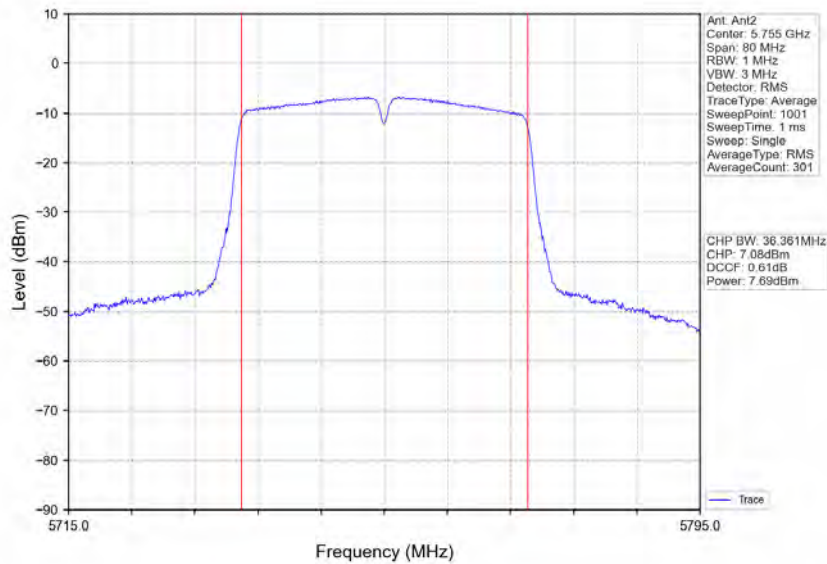
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802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



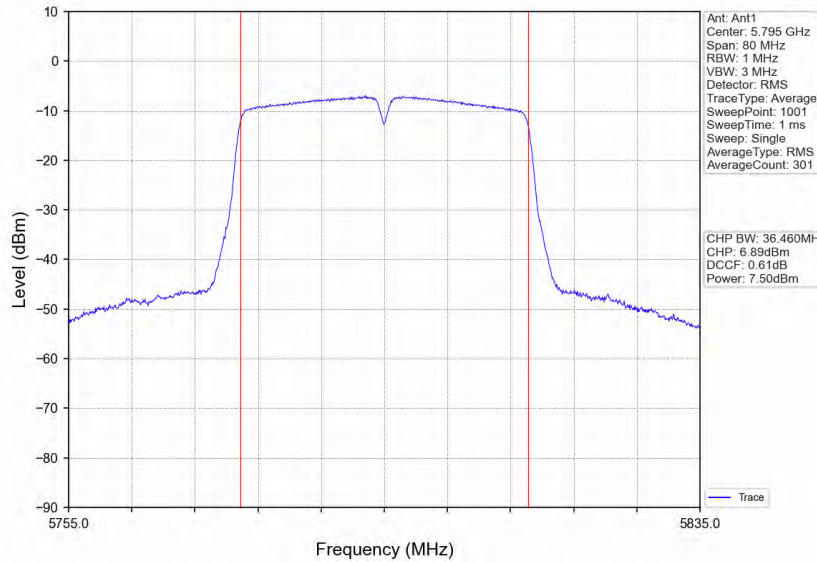
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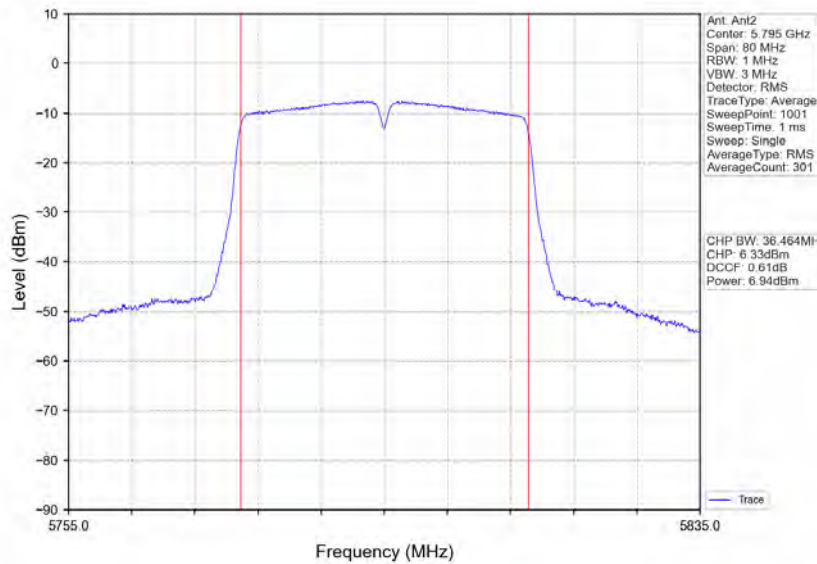
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802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



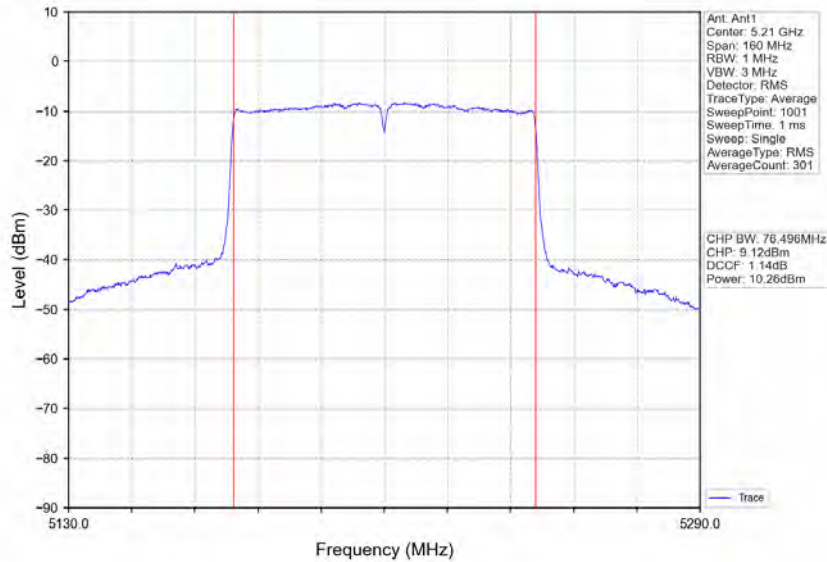
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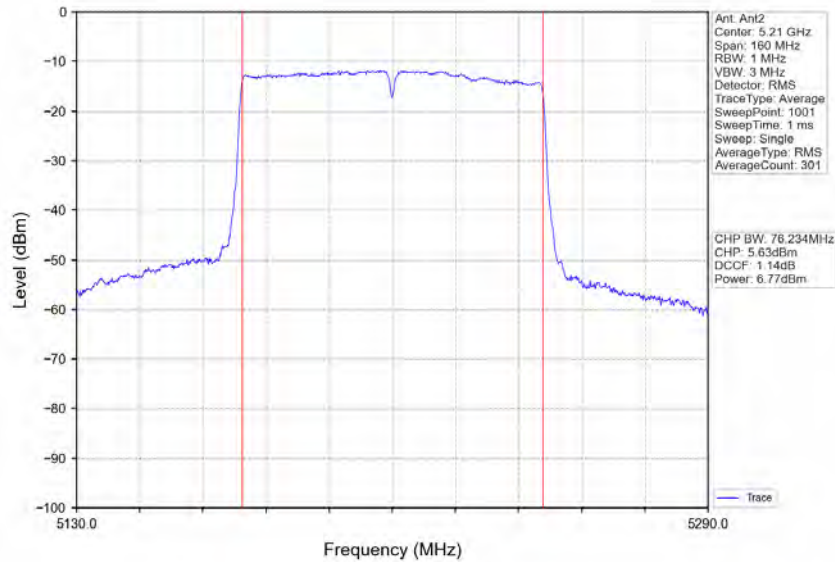
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802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5210MHz_Ant2_NTNV



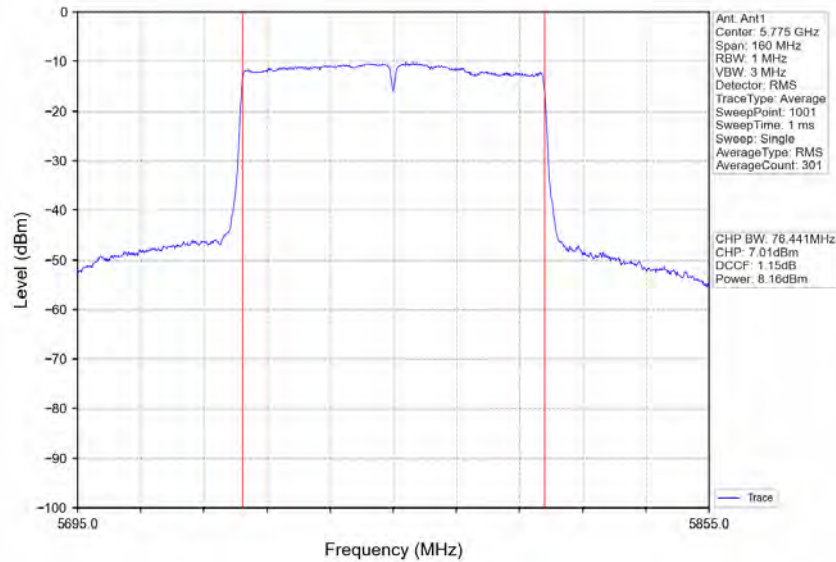
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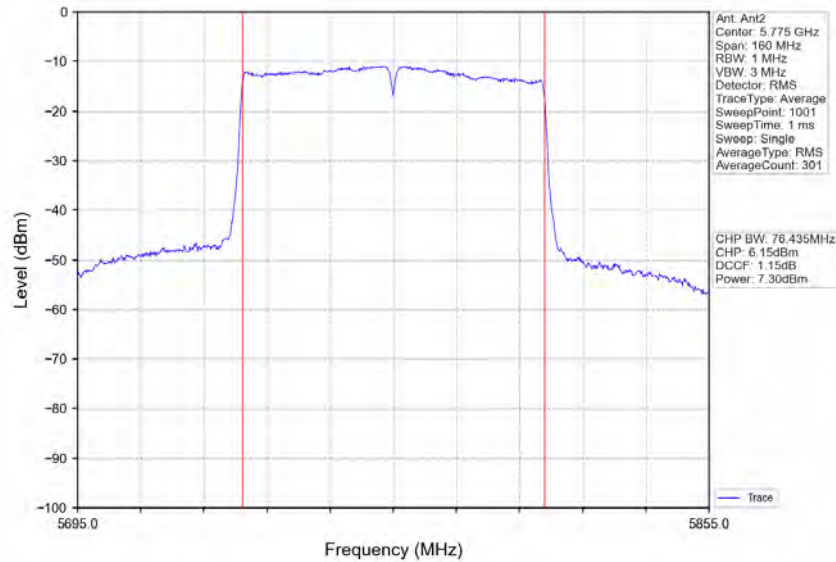
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802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant2_NTNV



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4. Maximum Power Spectral Density

4.1 PSD

4.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/MHz)				Verdict
			Ant1	Ant2	MIMO	Limit	
802.11a	SISO	5180	-0.13	-2.50	/	<=11	Pass
		5200	-0.25	-2.52	/	<=11	Pass
		5240	-0.24	-3.06	/	<=11	Pass
802.11n (HT20)	MIMO	5180	-1.56	-3.75	0.43	<=11	Pass
		5200	-1.42	-3.72	0.46	<=11	Pass
		5240	-1.49	-4.05	0.39	<=11	Pass
802.11n (HT40)	MIMO	5190	-3.62	-7.14	-2.09	<=11	Pass
		5230	-3.62	-7.50	-2.17	<=11	Pass
802.11ac (VHT20)	MIMO	5180	-1.66	-3.74	0.35	<=11	Pass
		5200	-1.57	-3.71	0.44	<=11	Pass
		5240	-1.65	-4.13	0.21	<=11	Pass
802.11ac (VHT40)	MIMO	5190	-3.78	-6.85	-2.12	<=11	Pass
		5230	-3.81	-6.91	-2.11	<=11	Pass
802.11ac (VHT80)	MIMO	5210	-6.76	-10.35	-5.34	<=11	Pass

Note1: Antenna Gain: Ant1: 2.30dBi; Ant2: 0.78dBi;

4.1.2 Test Result for IC

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/MHz)			EIRP PSD (dBm/MHz)			Limit	Verdict
			Ant1	Ant2	MIMO	Ant1	Ant2	MIMO		
802.11a	SISO	5180	-0.13	-2.50	/	2.17	-1.72	/	<=10	Pass
		5200	-0.25	-2.52	/	2.05	-1.74	/	<=10	Pass
		5240	-0.24	-3.06	/	2.06	-2.28	/	<=10	Pass
802.11n (HT20)	MIMO	5180	-1.56	-3.75	0.43	0.74	-2.97	2.28	<=10	Pass
		5200	-1.42	-3.72	0.46	0.88	-2.94	2.39	<=10	Pass
		5240	-1.49	-4.05	0.39	0.81	-3.27	2.24	<=10	Pass
802.11n (HT40)	MIMO	5190	-3.62	-7.14	-2.09	-1.32	-6.36	-0.14	<=10	Pass
		5230	-3.62	-7.50	-2.17	-1.32	-6.72	-0.22	<=10	Pass
802.11ac (VHT20)	MIMO	5180	-1.66	-3.74	0.35	0.64	-2.96	2.21	<=10	Pass
		5200	-1.57	-3.71	0.44	0.73	-2.93	2.28	<=10	Pass
		5240	-1.65	-4.13	0.21	0.65	-3.35	2.11	<=10	Pass
802.11ac (VHT40)	MIMO	5190	-3.78	-6.85	-2.12	-1.48	-6.07	-0.18	<=10	Pass
		5230	-3.81	-6.91	-2.11	-1.51	-6.13	-0.22	<=10	Pass
802.11ac (VHT80)	MIMO	5210	-6.76	-10.35	-5.34	-4.46	-9.57	-3.29	<=10	Pass

Note1: Antenna Gain: Ant1: 2.30dBi; Ant2: 0.78dBi;



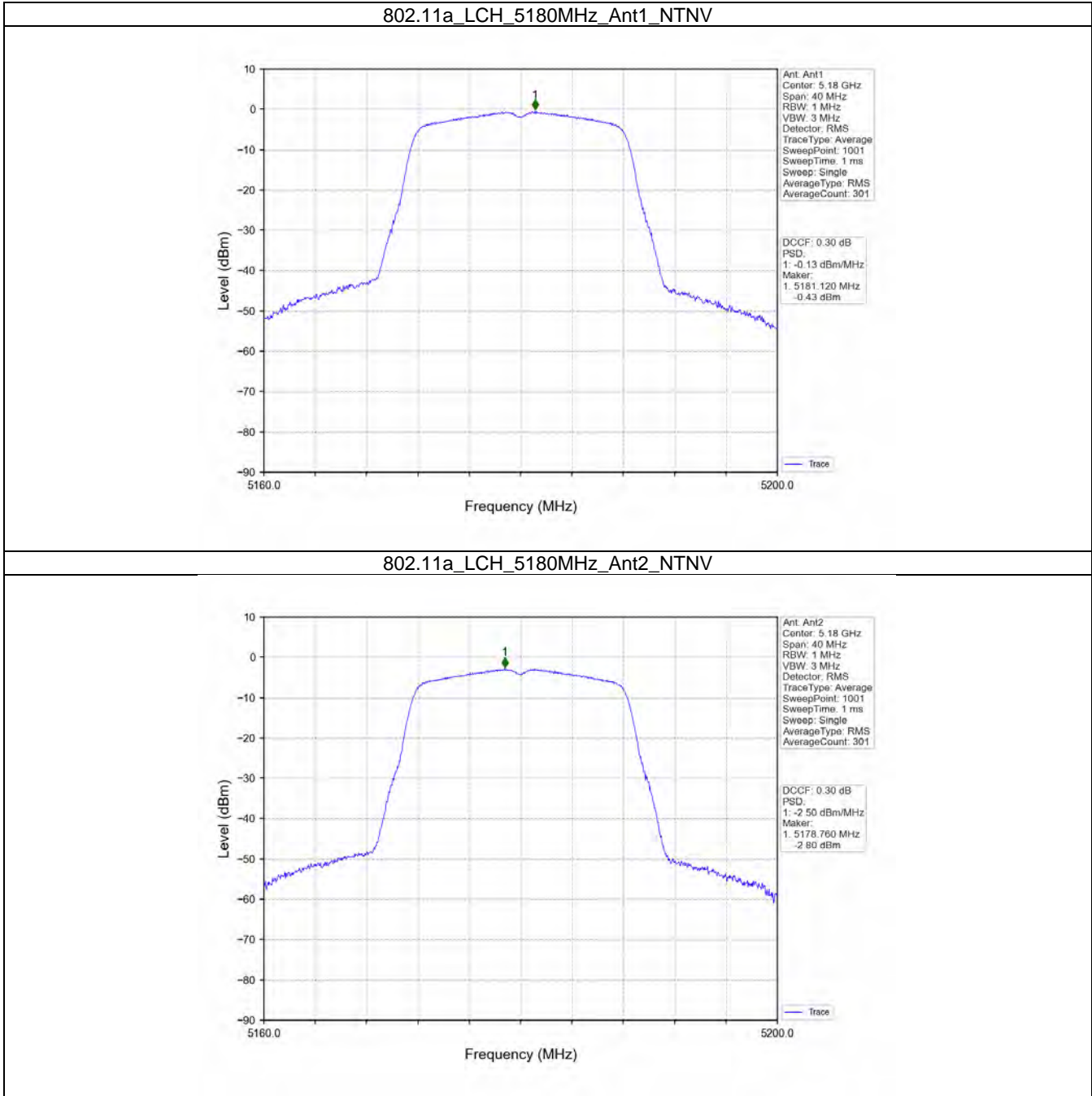
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4.1.2 Test Graph



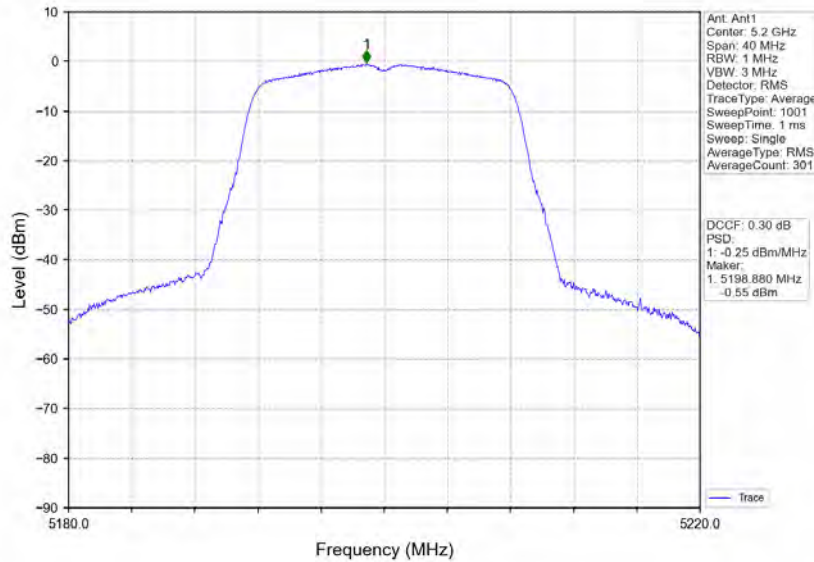
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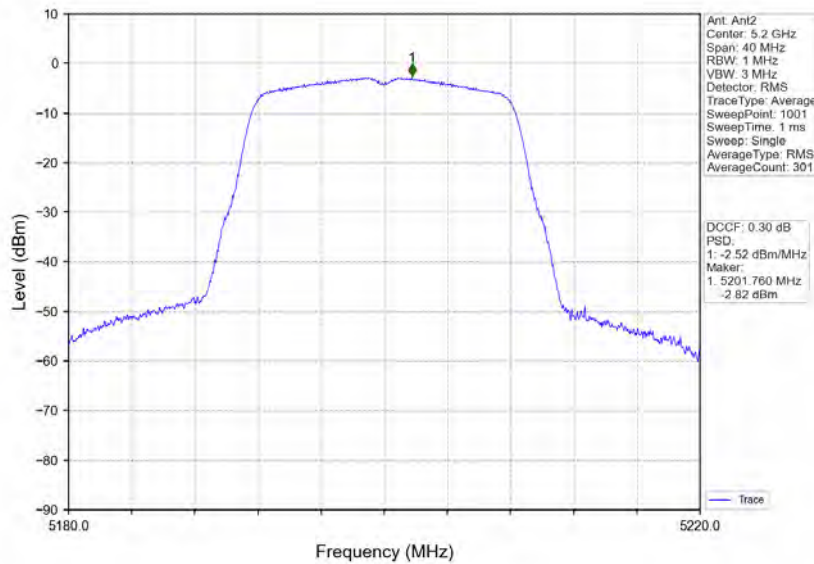
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802.11a_MCH_5200MHz_Ant1_NTNV



802.11a_MCH_5200MHz_Ant2_NTNV



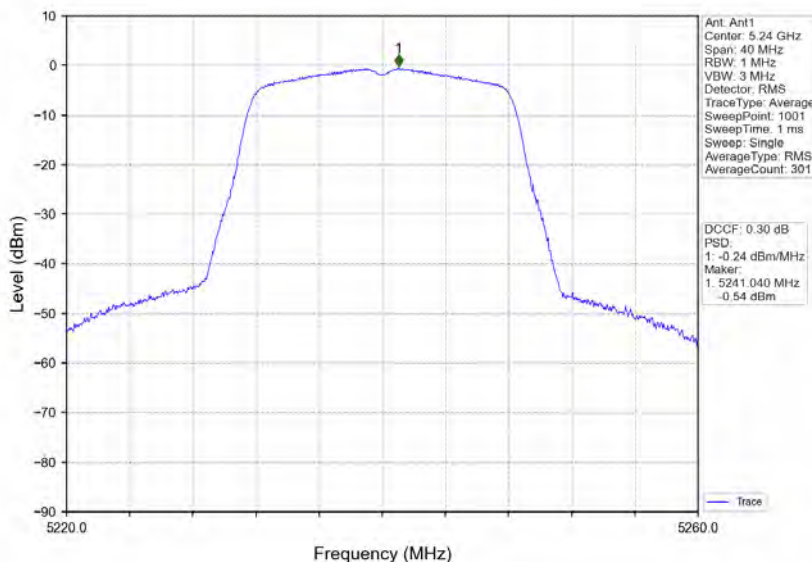
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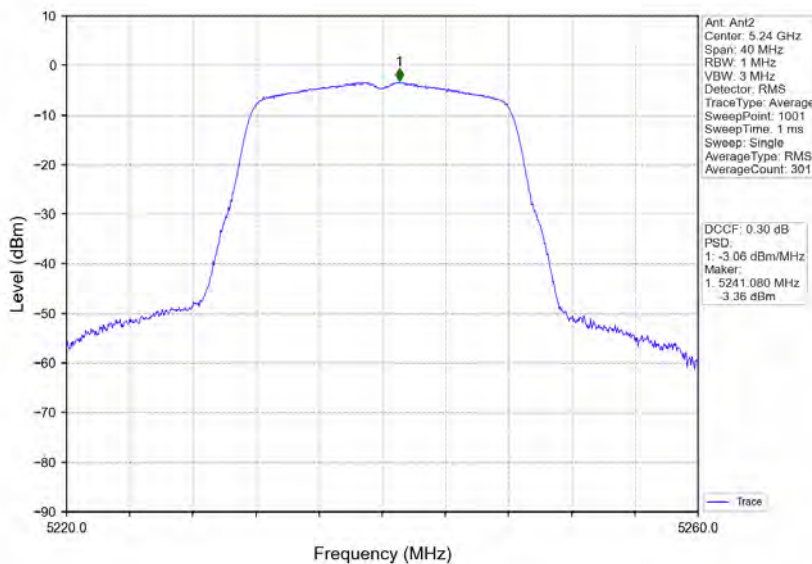
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802.11a_HCH_5240MHz_Ant1_NTNV



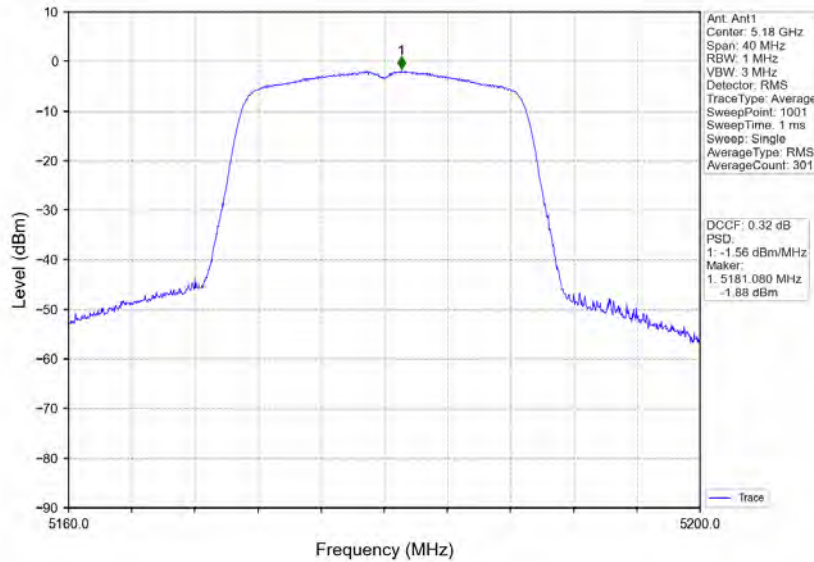
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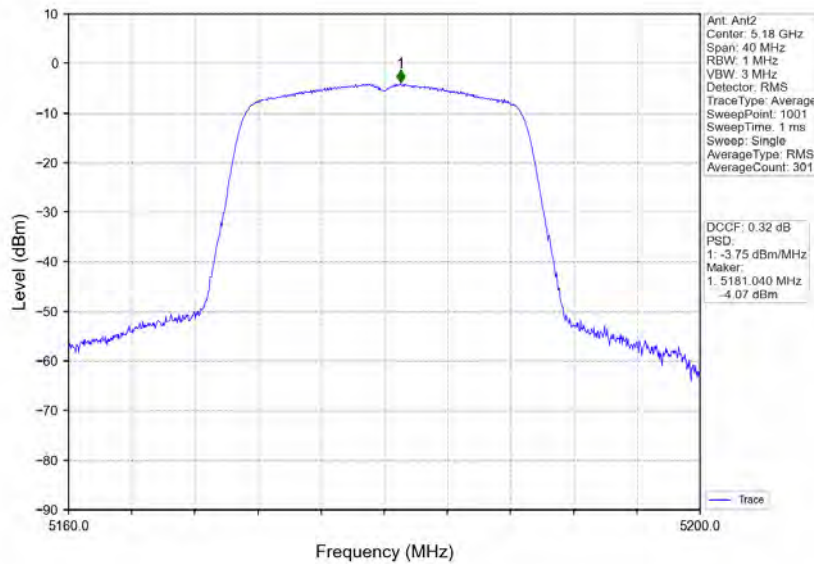
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802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



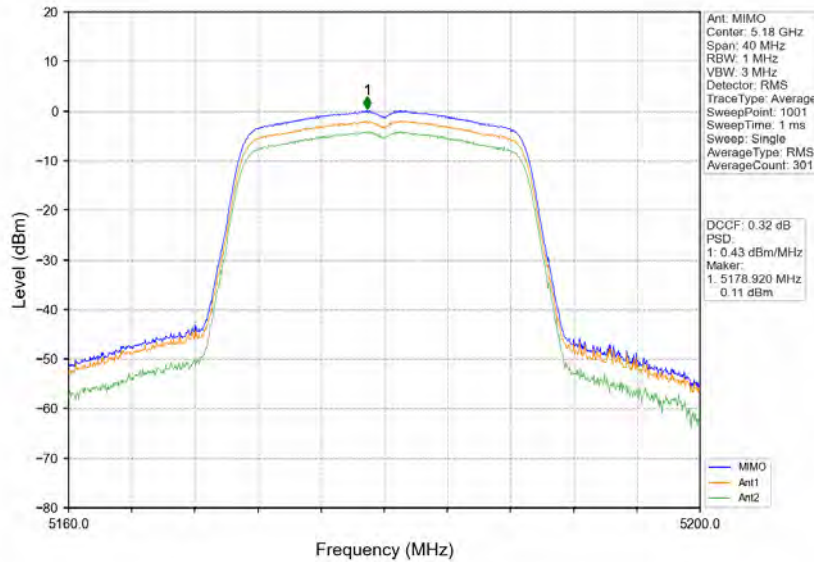
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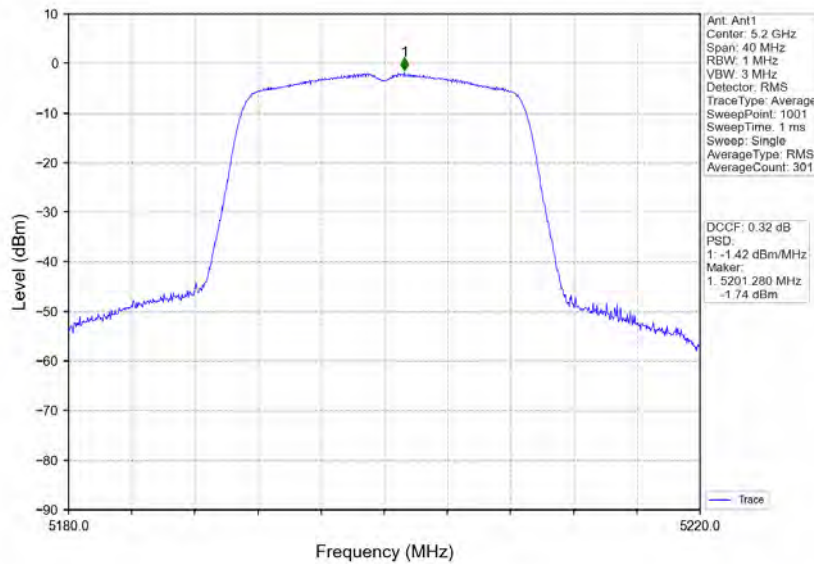
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802.11n(HT20)_LCH_5180MHz_MIMO_NTNV



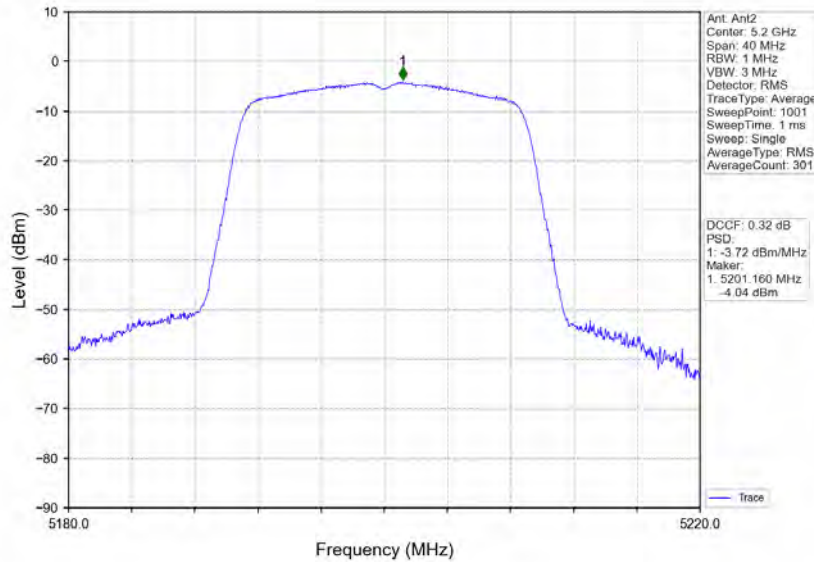
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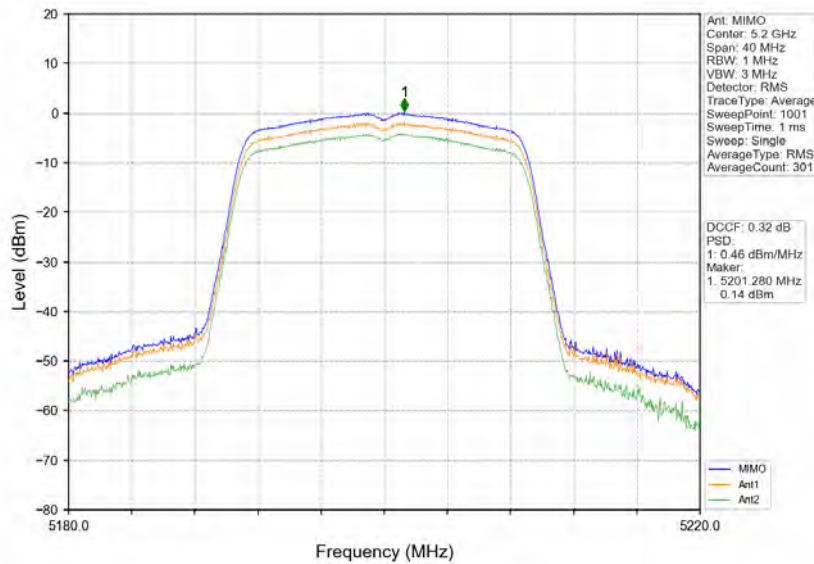
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802.11n(HT20)_MCH_5200MHz_Ant2_NTNV



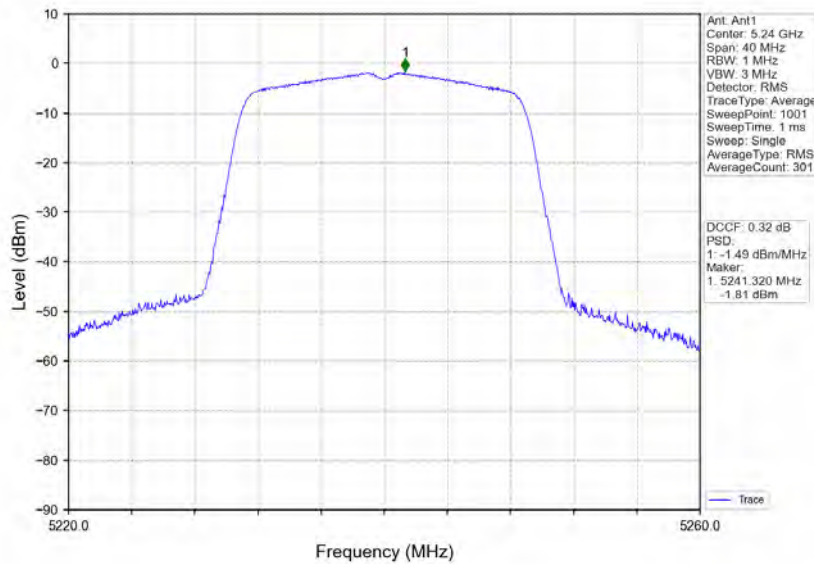
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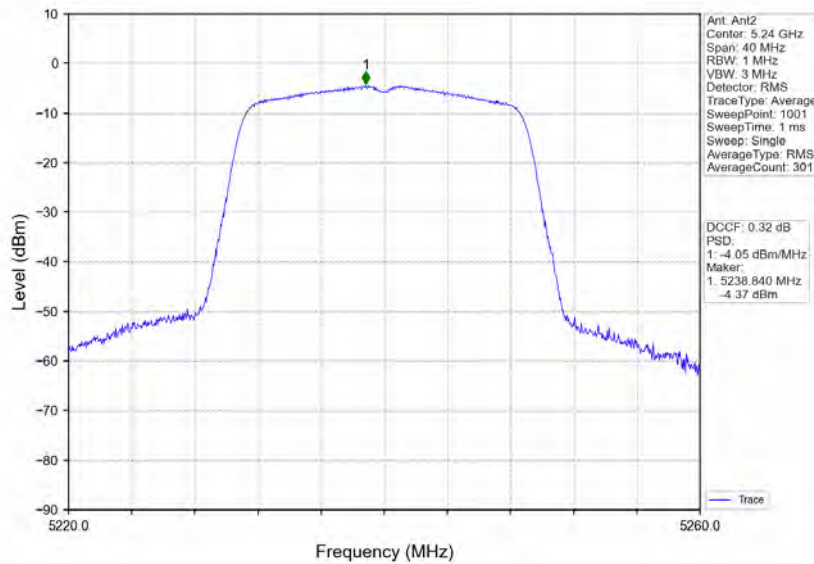
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802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



802.11n(HT20)_HCH_5240MHz_Ant2_NTNV



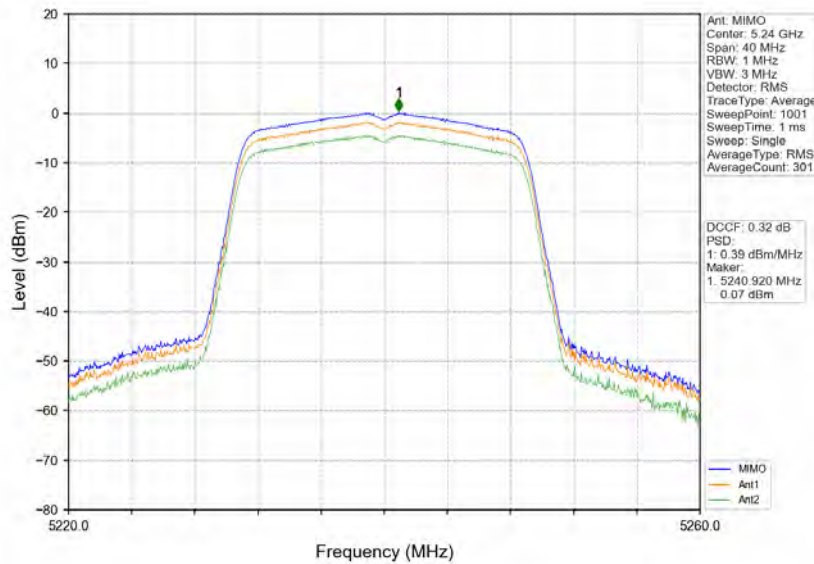
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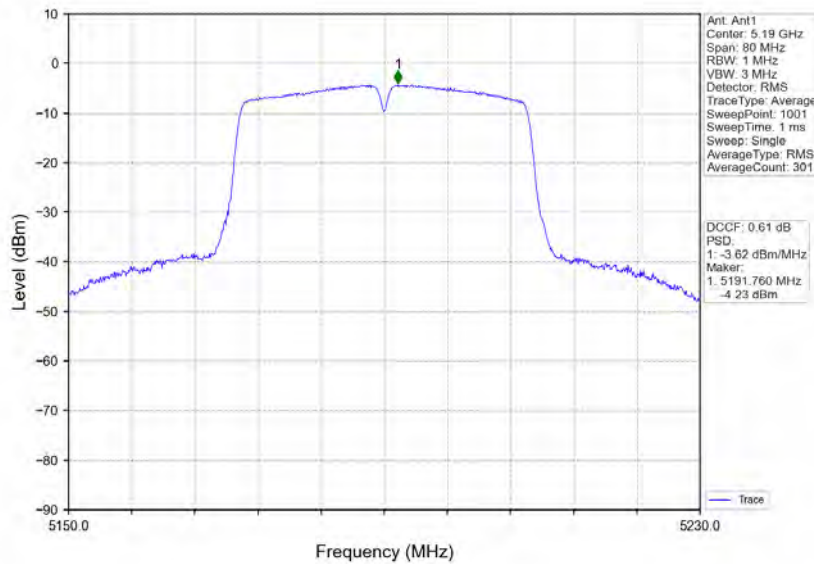
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802.11n(HT20)_HCH_5240MHz_MIMO_NTNV



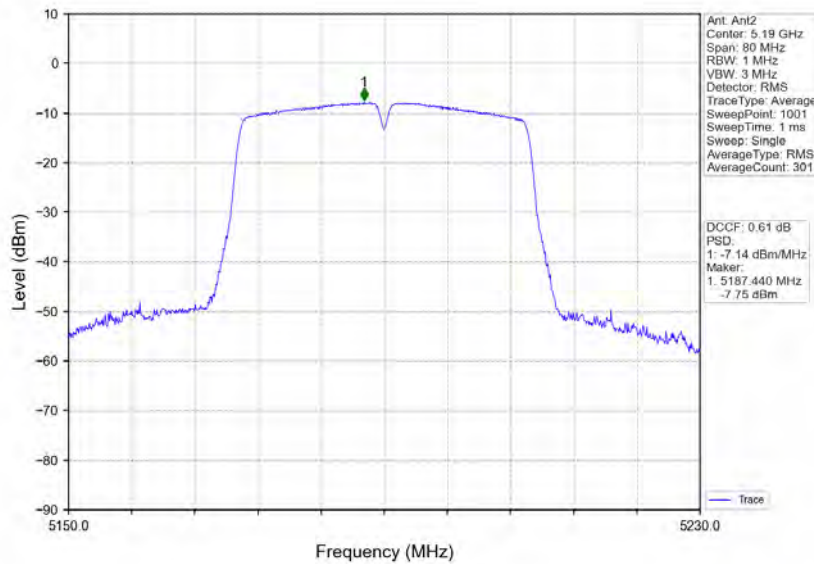
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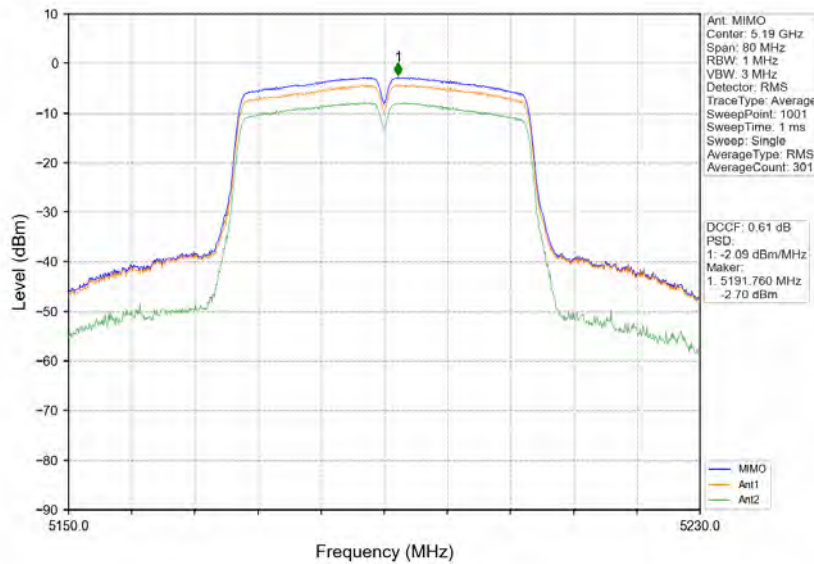
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802.11n(HT40)_LCH_5190MHz_MIMO_NTNV



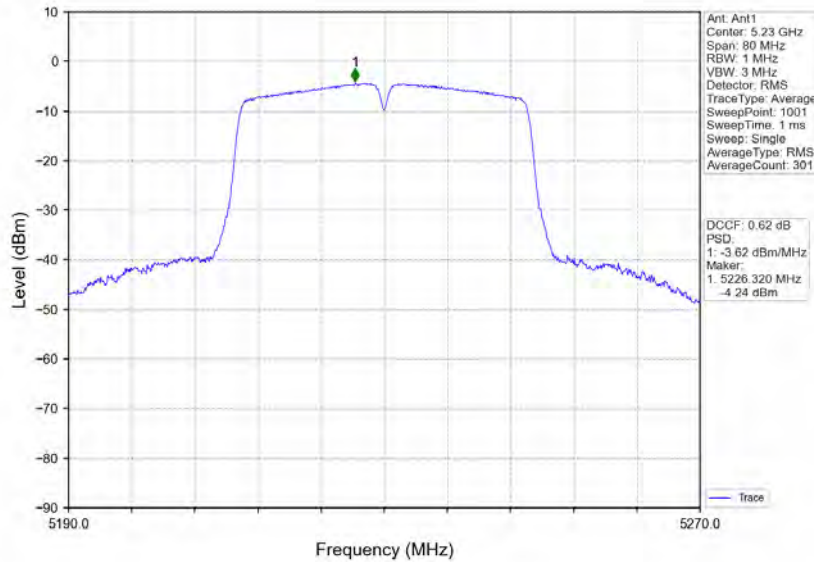
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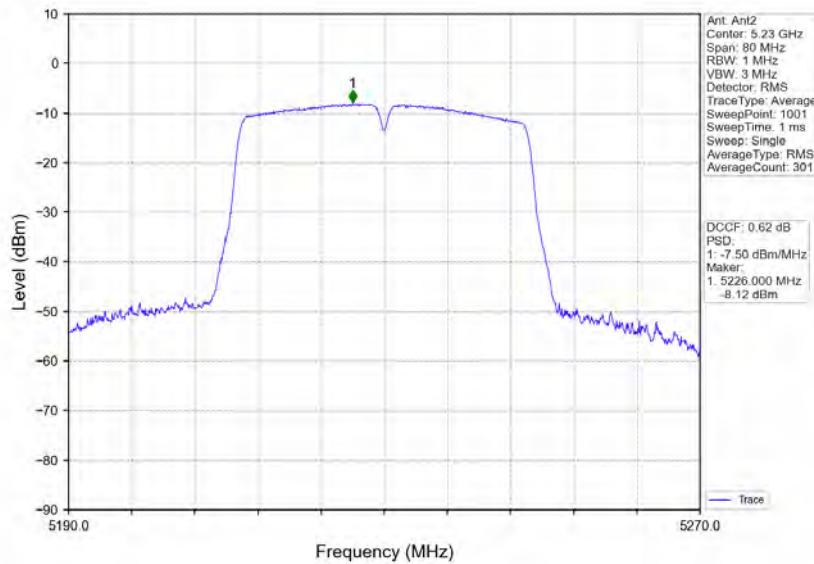
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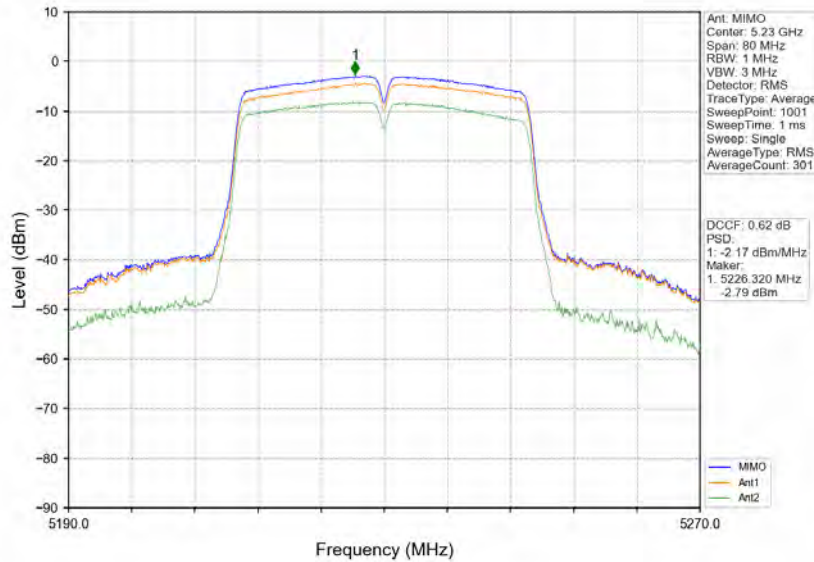
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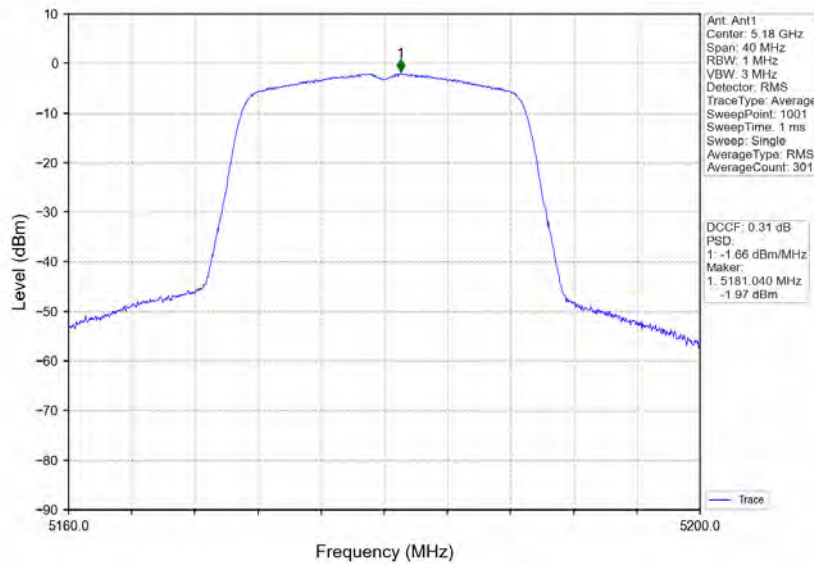
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802.11n(HT40)_HCH_5230MHz_MIMO_NTNV



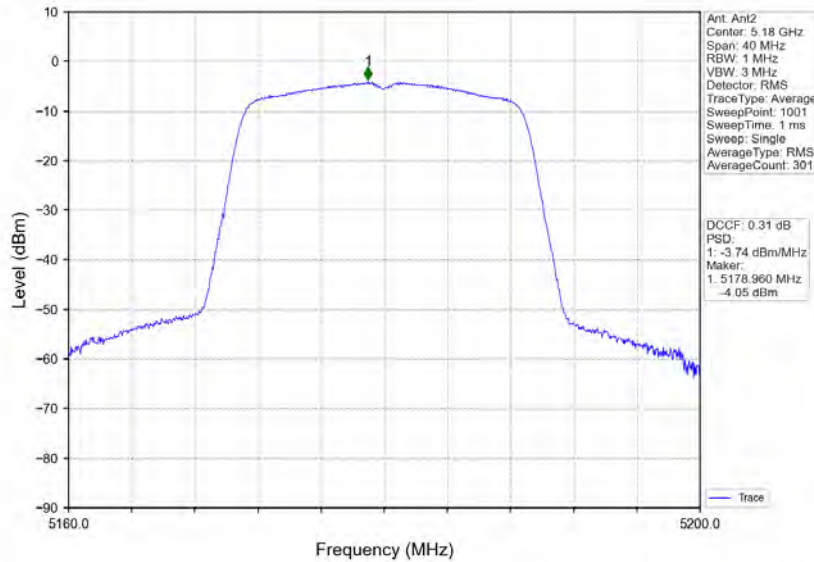
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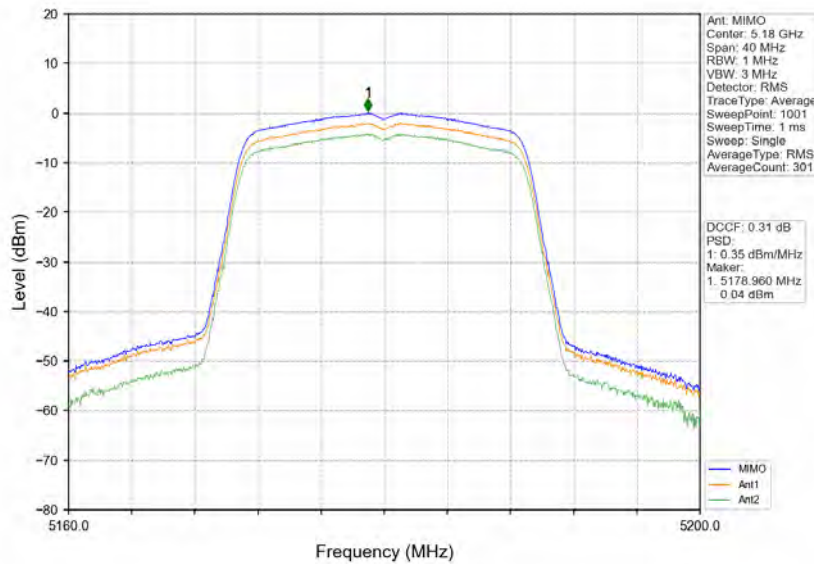
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802.11ac(VHT20)_LCH_5180MHz_Ant2_NTNV



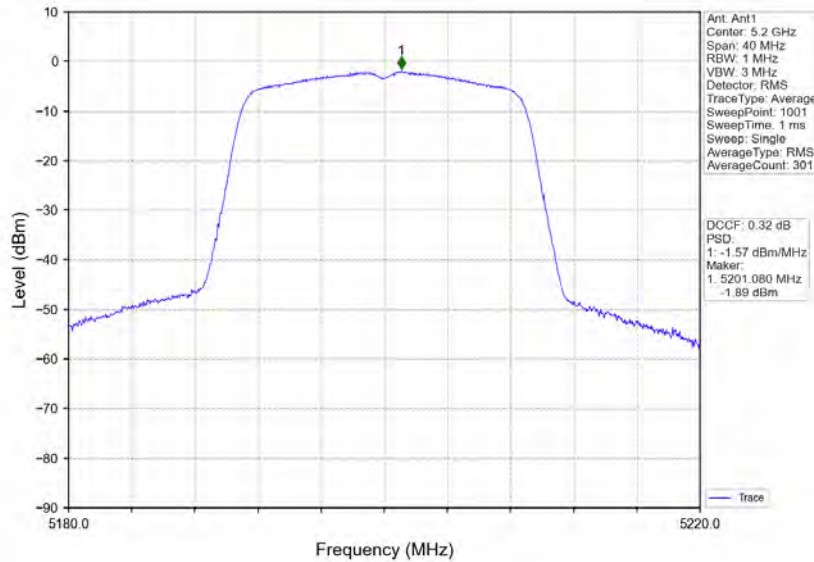
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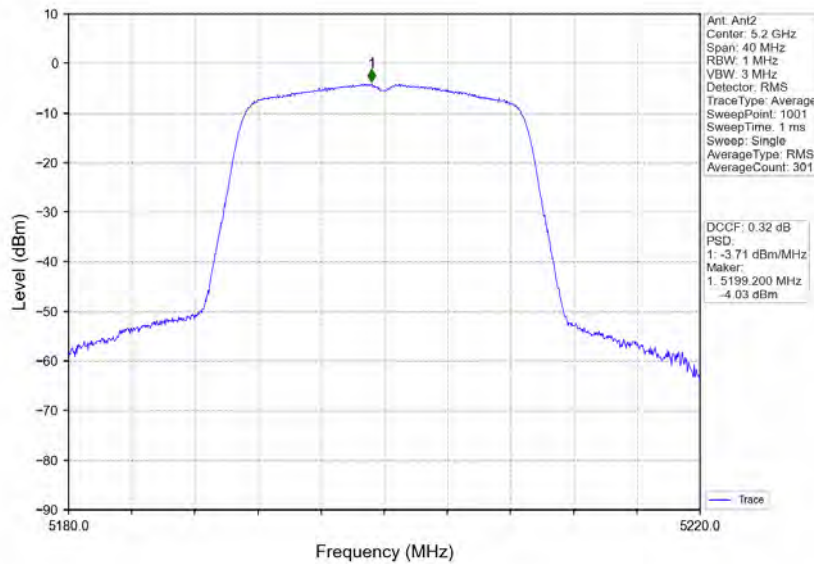
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802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



802.11ac(VHT20)_MCH_5200MHz_Ant2_NTNV



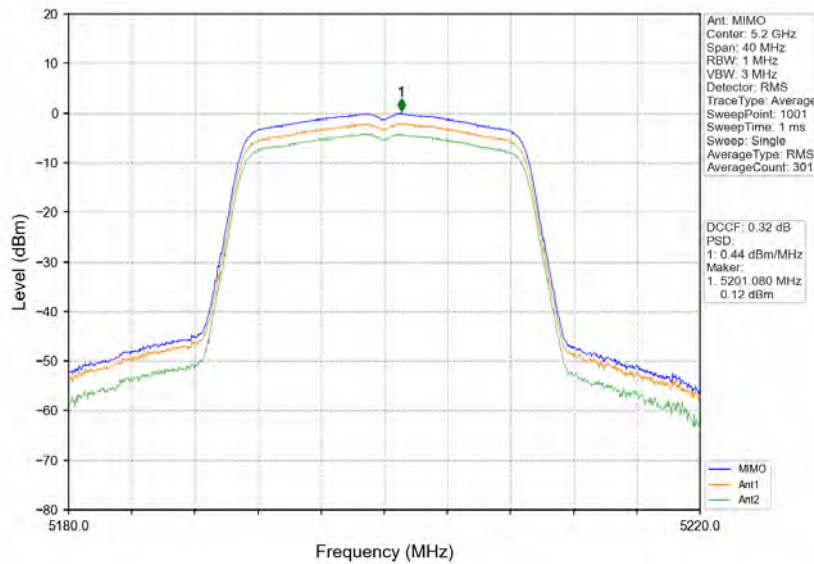
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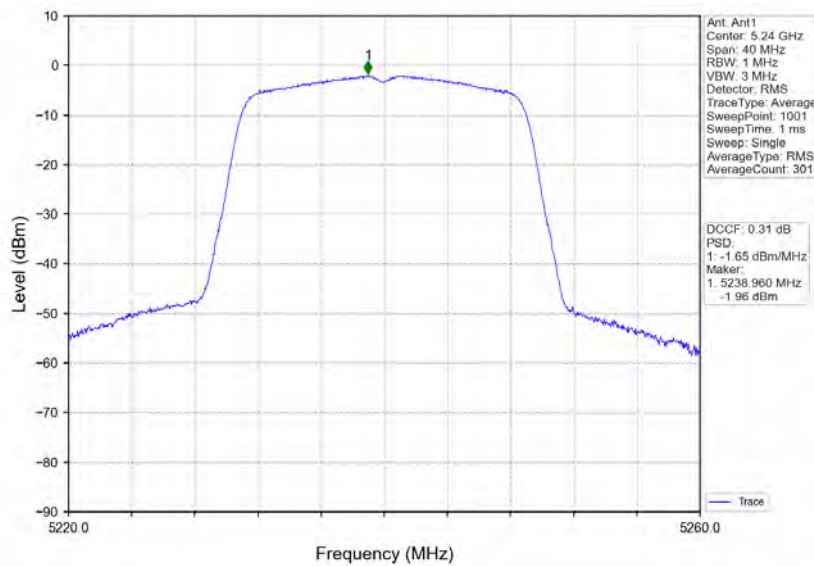
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802.11ac(VHT20)_MCH_5200MHz_MIMO_NTNV



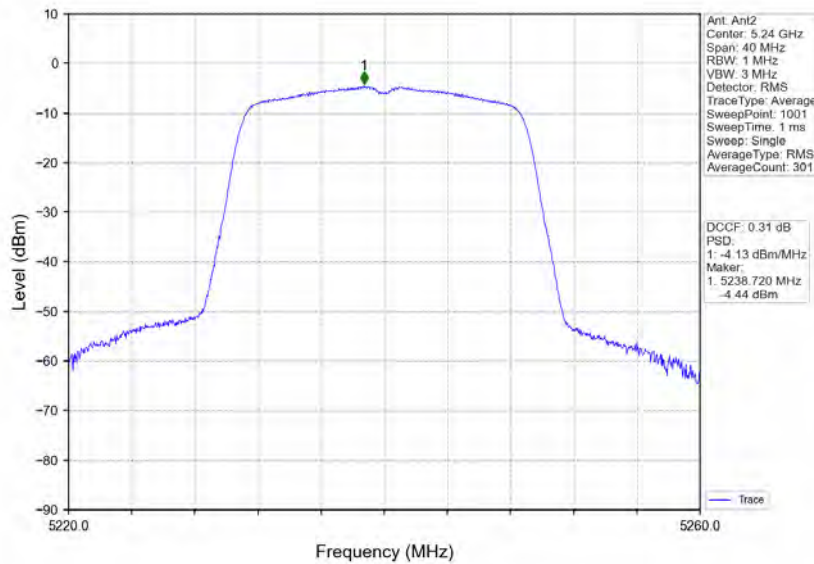
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



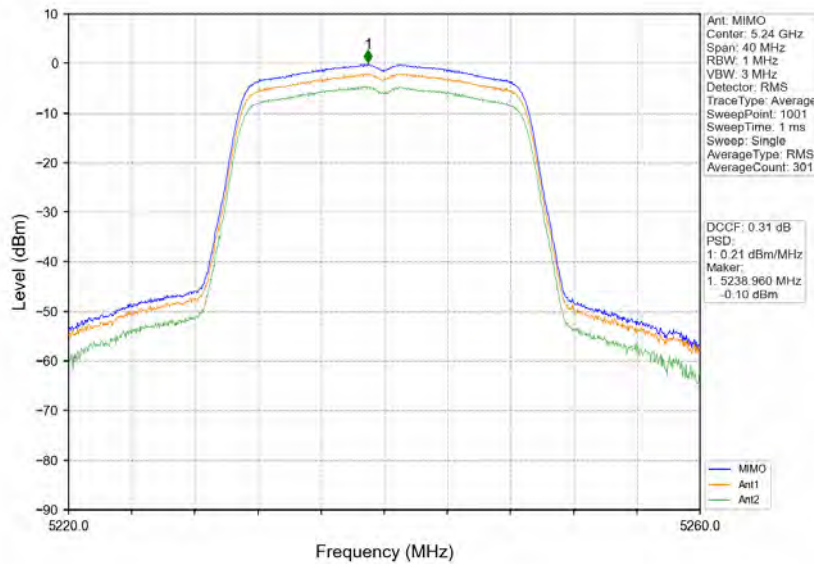
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802.11ac(VHT20)_HCH_5240MHz_Ant2_NTNV



802.11ac(VHT20)_HCH_5240MHz_MIMO_NTNV



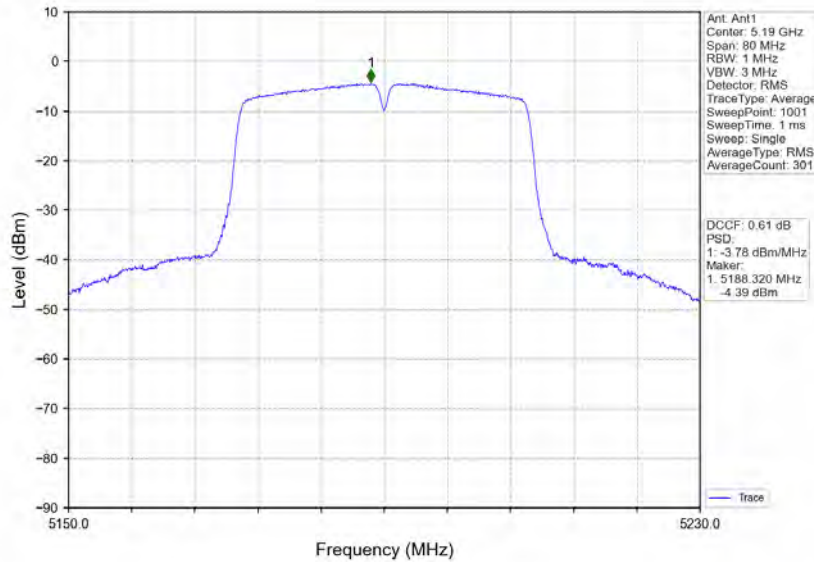
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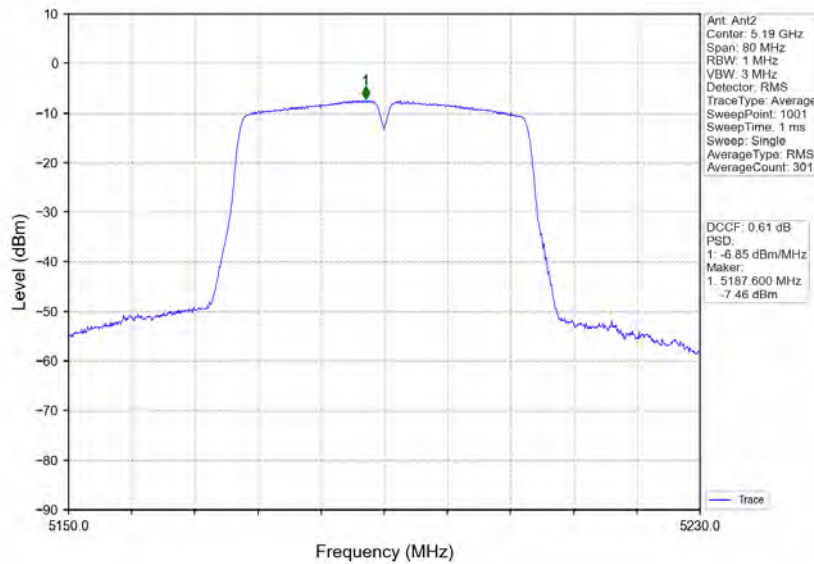
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802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



802.11ac(VHT40)_LCH_5190MHz_Ant2_NTNV



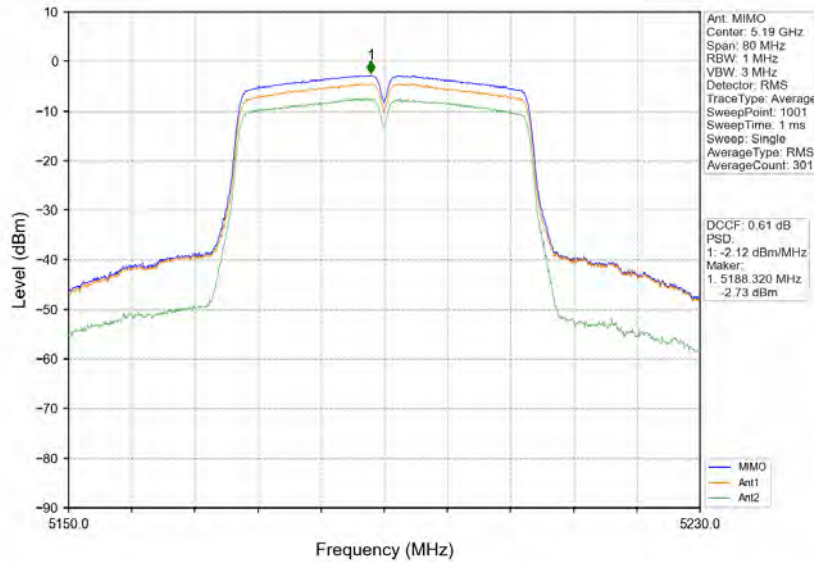
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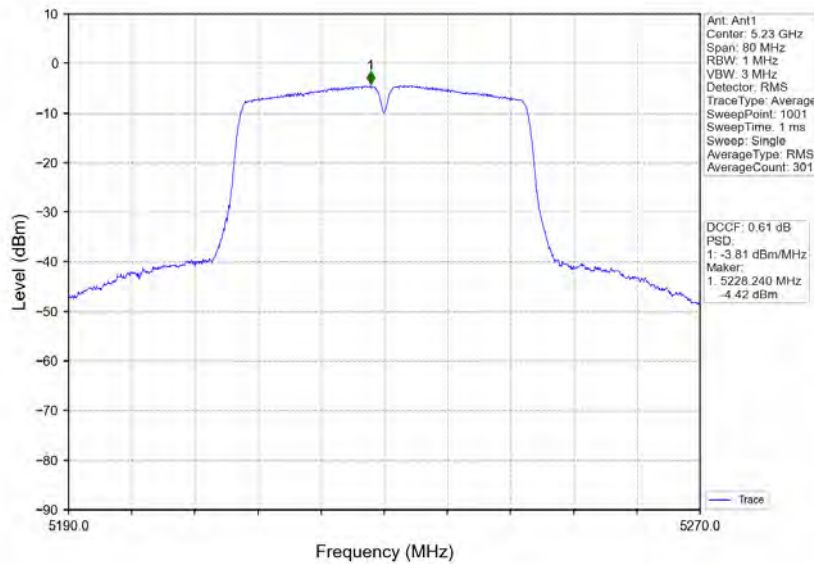
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802.11ac(VHT40)_LCH_5190MHz_MIMO_NTNV



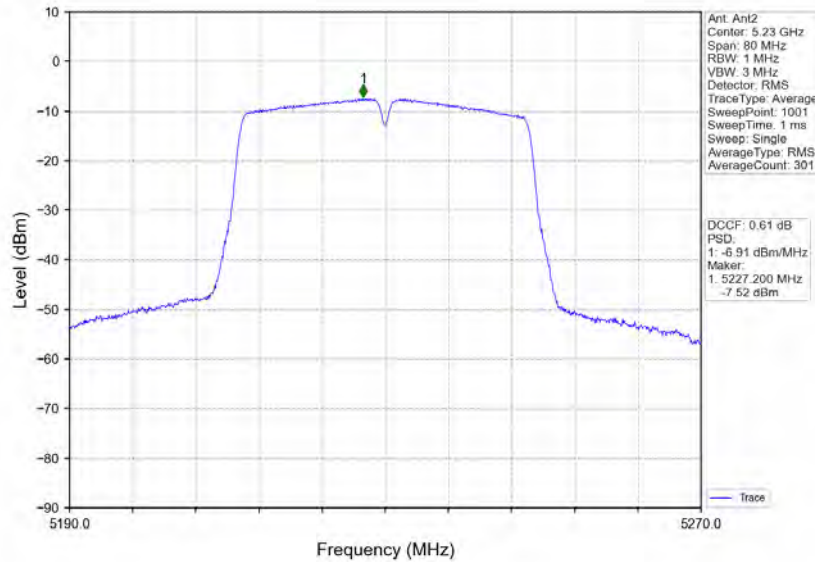
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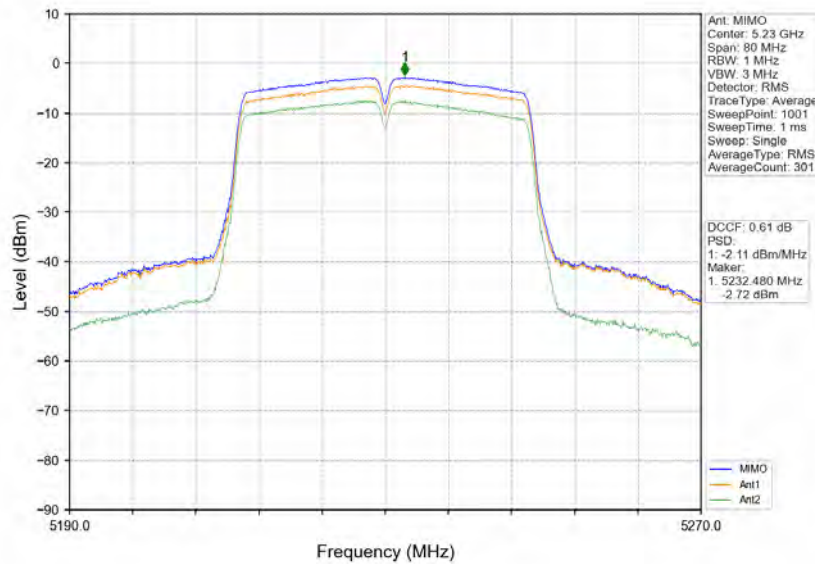
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802.11ac(VHT40)_HCH_5230MHz_Ant2_NTNV



802.11ac(VHT40)_HCH_5230MHz_MIMO_NTNV



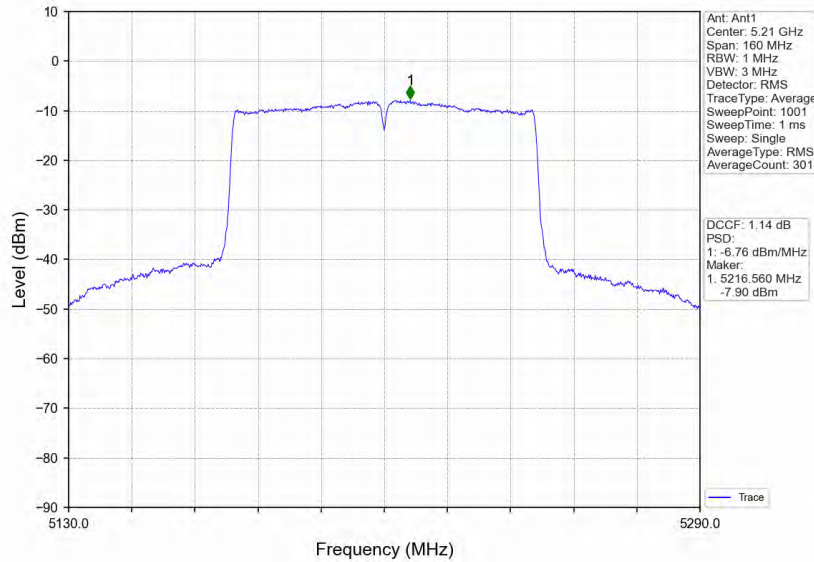
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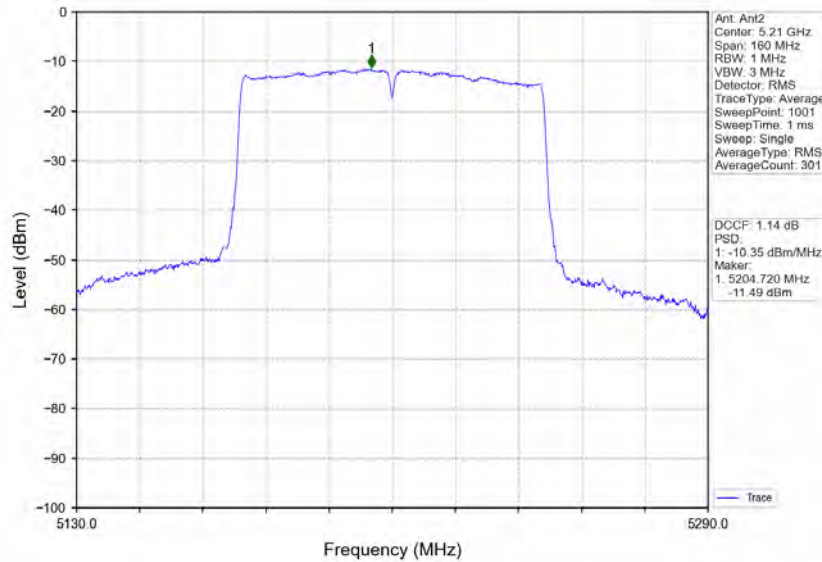
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802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV

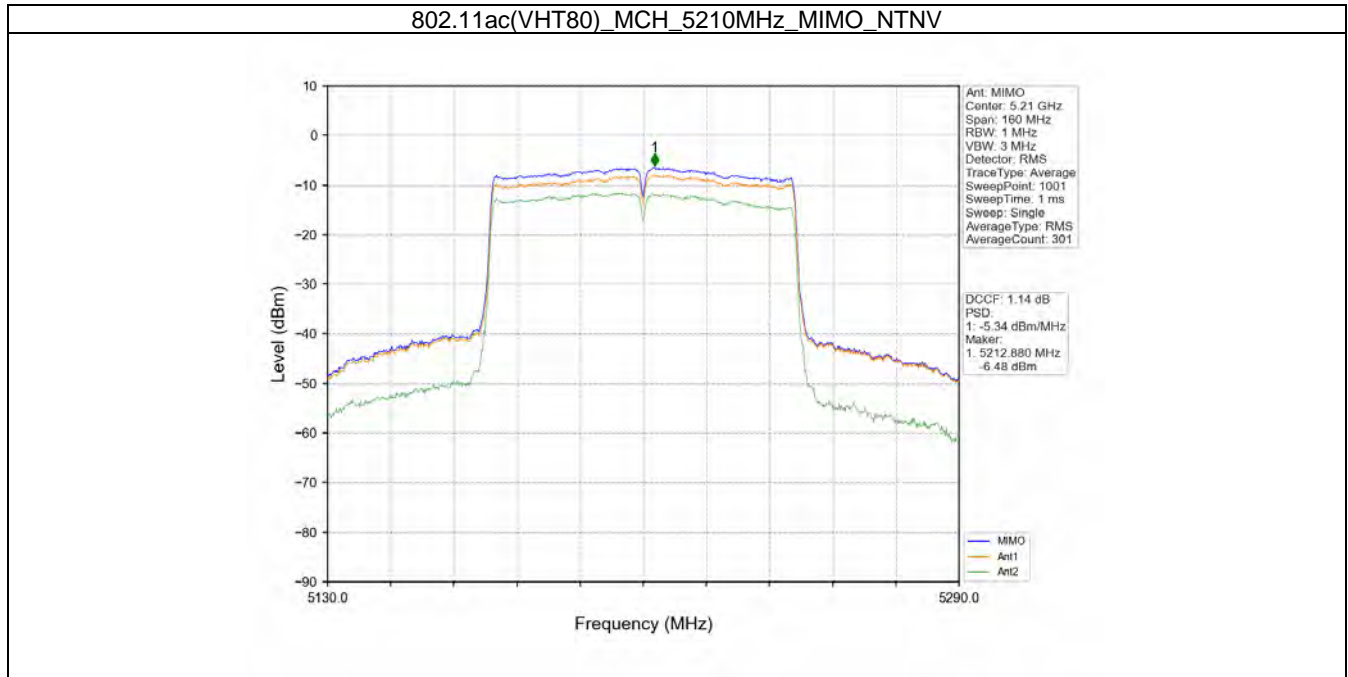


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4.2 PSD-Band3

4.2.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/500kHz)				Verdict
			Ant1	Ant2	MIMO	Limit	
802.11a	SISO	5745	-4.25	-4.95	/	<=30	Pass
		5785	-4.91	-5.49	/	<=30	Pass
		5825	-4.96	-5.57	/	<=30	Pass
802.11n (HT20)	MIMO	5745	-5.19	-6.19	-2.87	<=30	Pass
		5785	-5.85	-6.93	-3.42	<=30	Pass
		5825	-6.14	-6.82	-3.65	<=30	Pass
802.11n (HT40)	MIMO	5755	-8.19	-8.98	-5.56	<=30	Pass
		5795	-9.12	-9.99	-6.64	<=30	Pass
802.11ac (VHT20)	MIMO	5745	-5.29	-6.03	-2.75	<=30	Pass
		5785	-5.92	-6.64	-3.35	<=30	Pass
		5825	-6.28	-7.22	-3.72	<=30	Pass
802.11ac (VHT40)	MIMO	5755	-8.20	-8.89	-5.63	<=30	Pass
		5795	-9.25	-9.76	-6.49	<=30	Pass
802.11ac (VHT80)	MIMO	5775	-11.58	-12.46	-9.21	<=30	Pass

Note1: Antenna Gain: Ant1: 2.30dBi; Ant2: 0.78dBi;



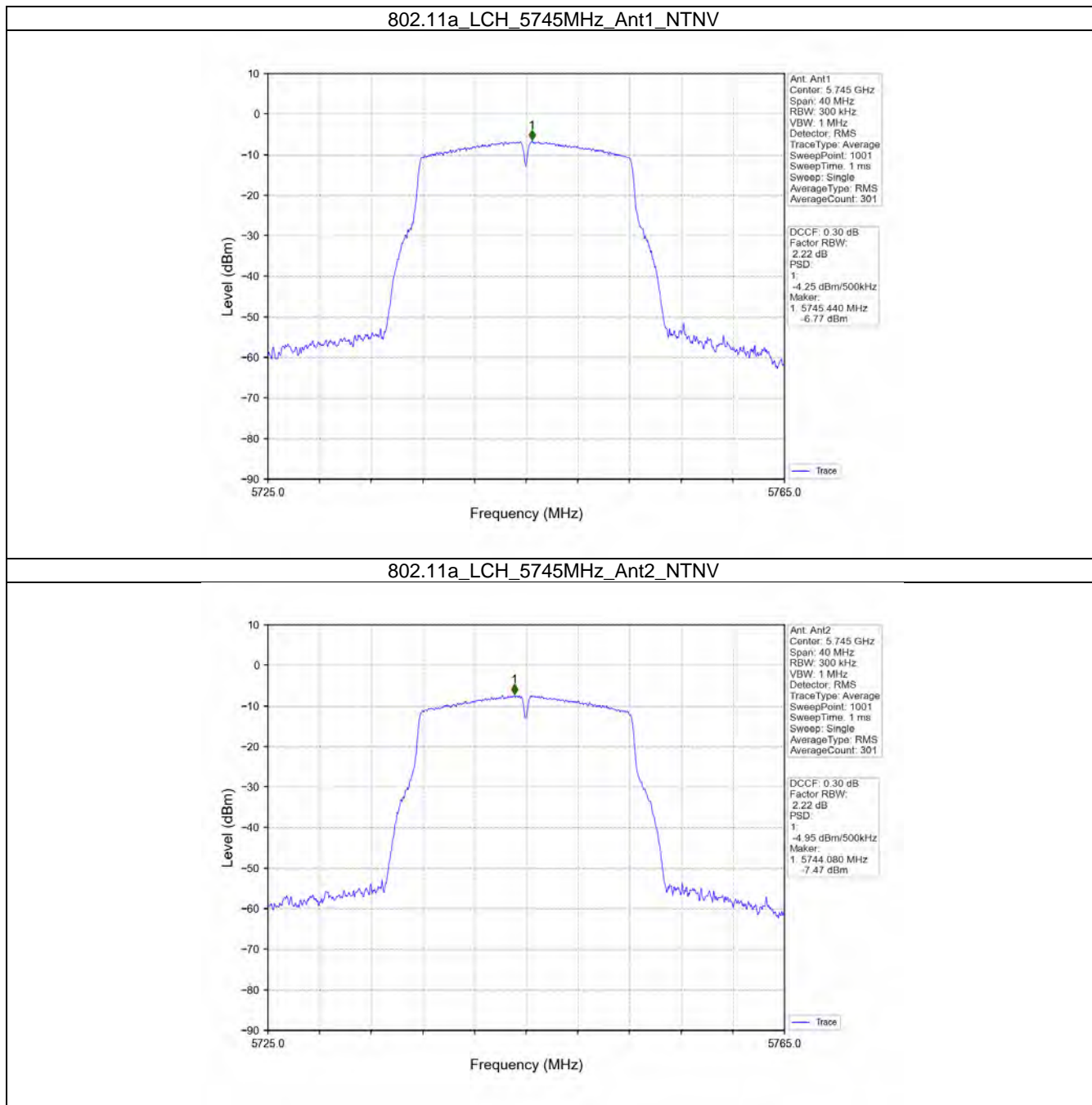
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4.2.2 Test Graph



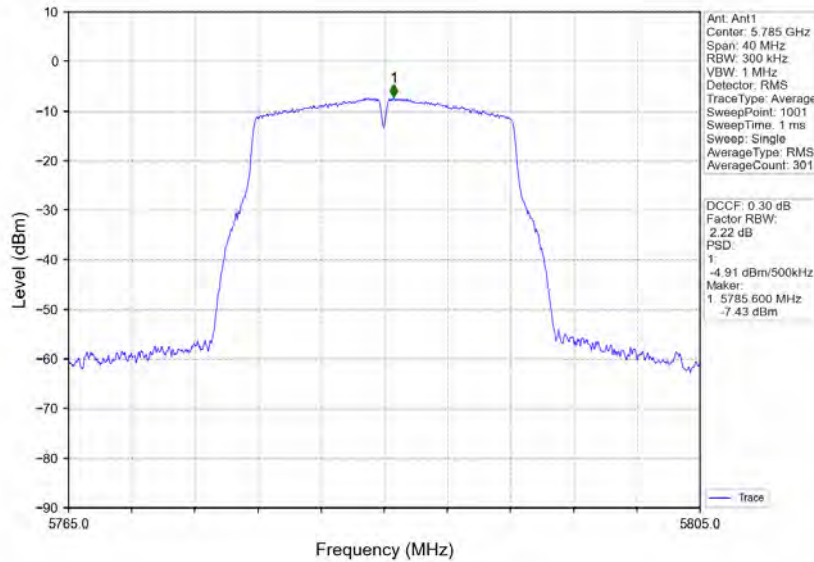
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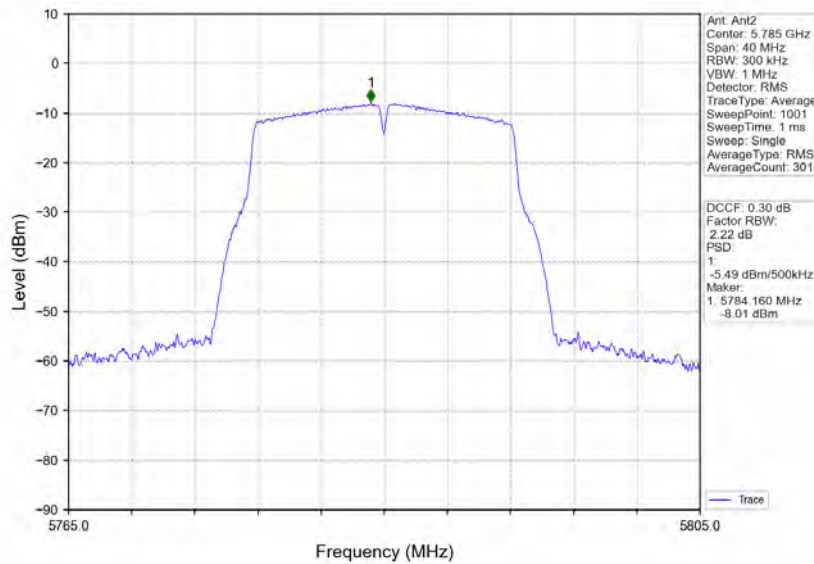
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802.11a_MCH_5785MHz_Ant2_NTNV



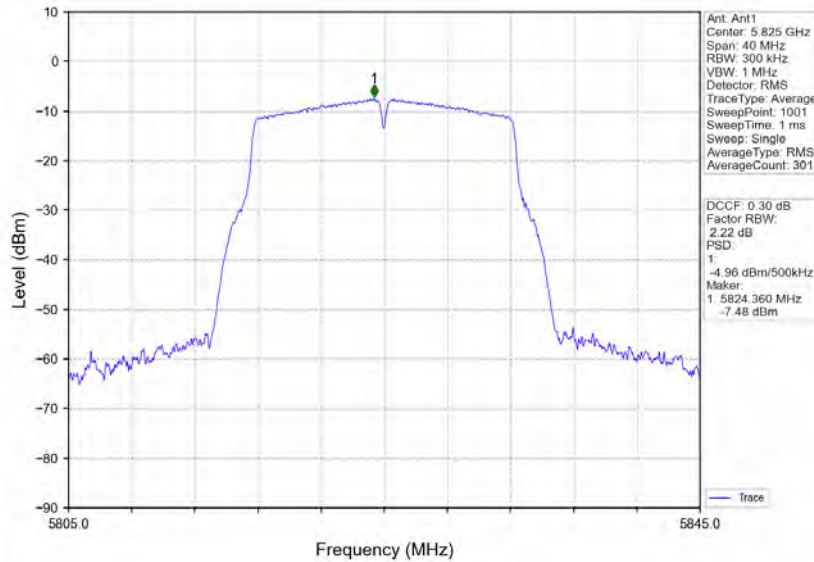
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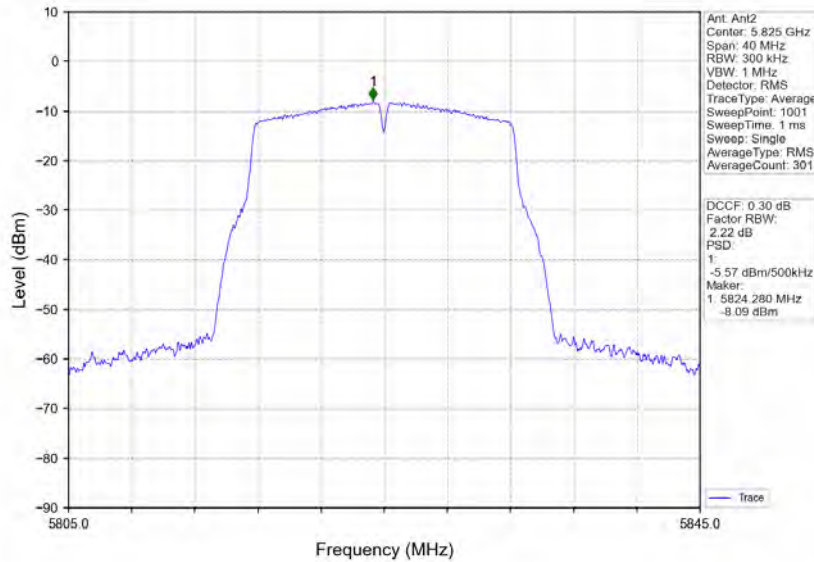
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802.11a_HCH_5825MHz_Ant2_NTNV



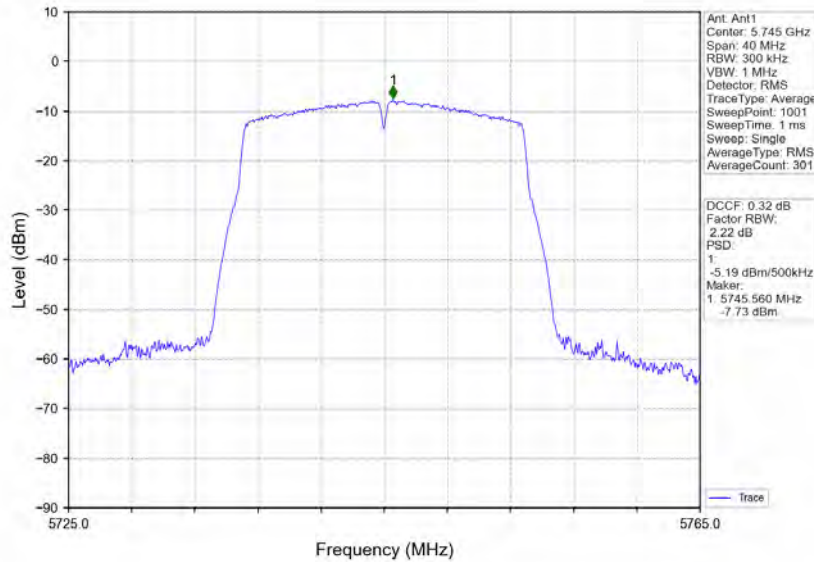
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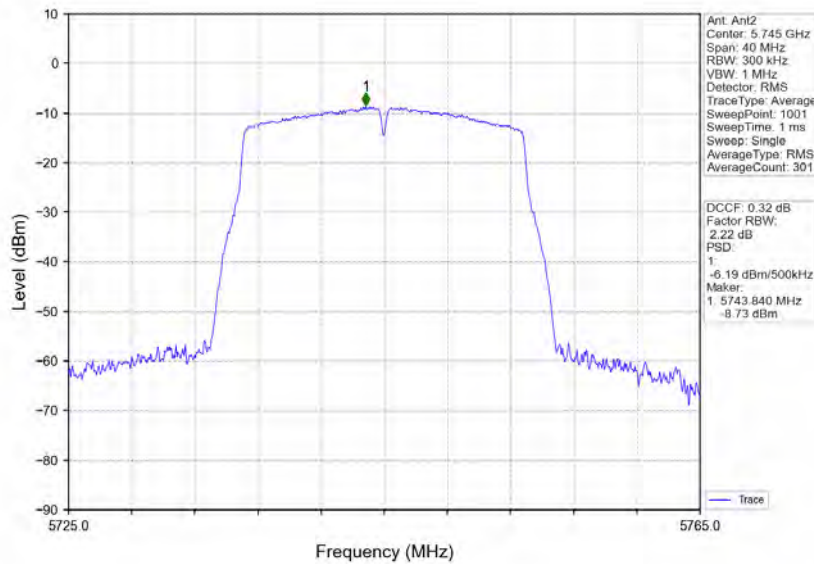
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802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



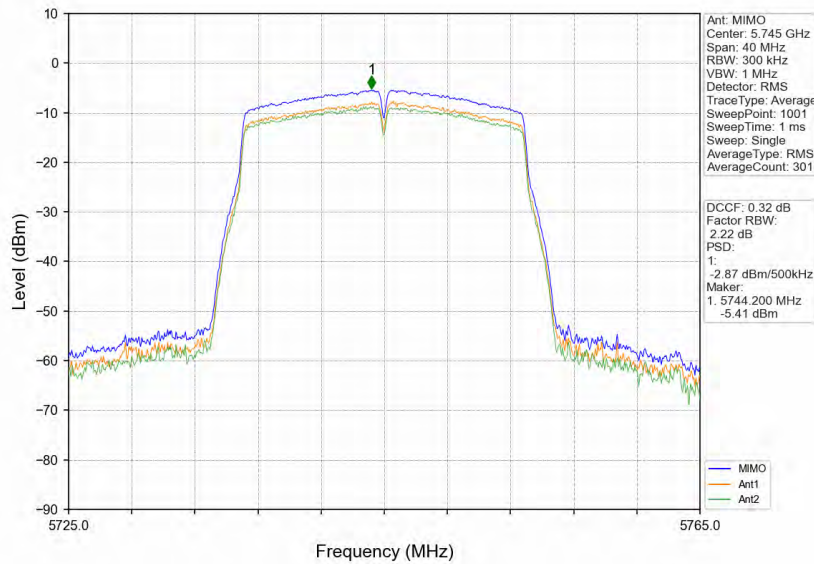
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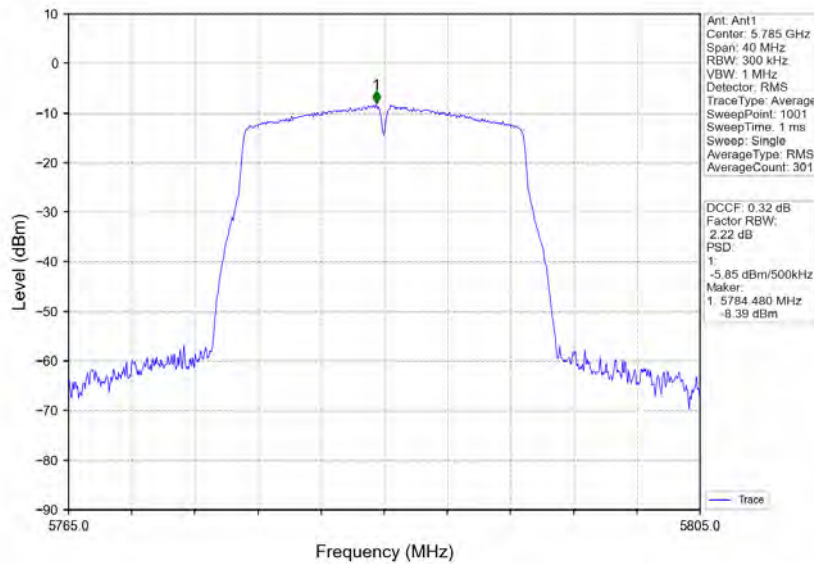
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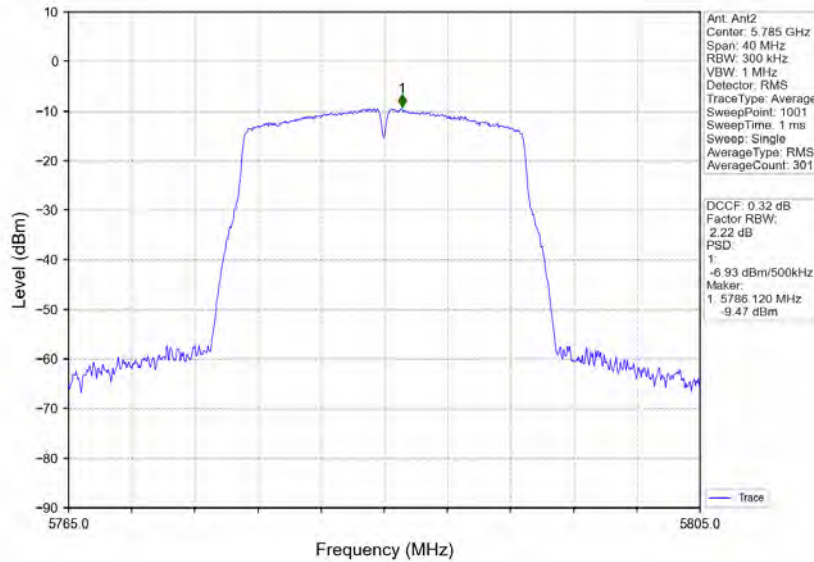
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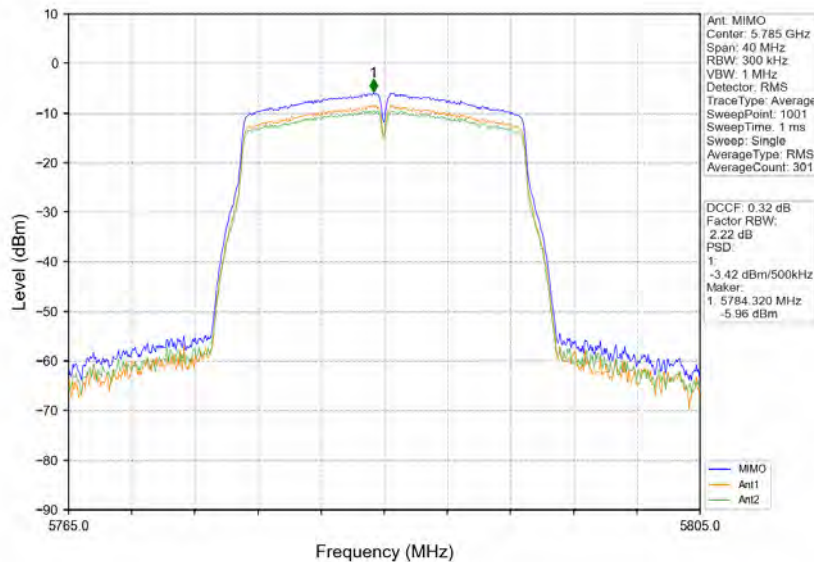
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802.11n(HT20)_MCH_5785MHz_Ant2_NTNV



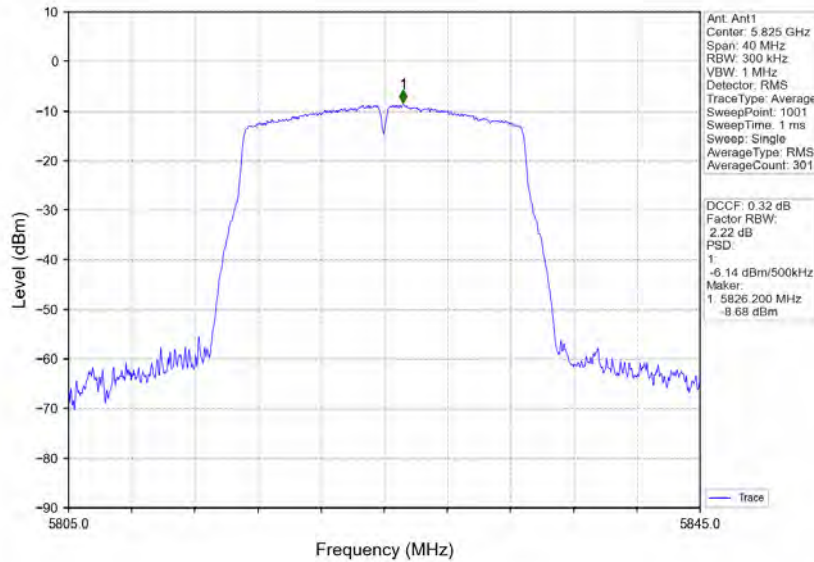
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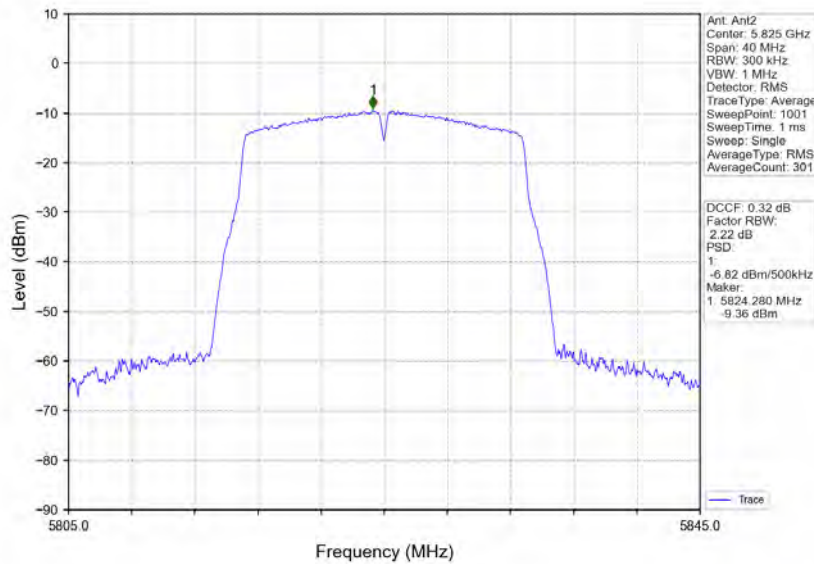
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802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



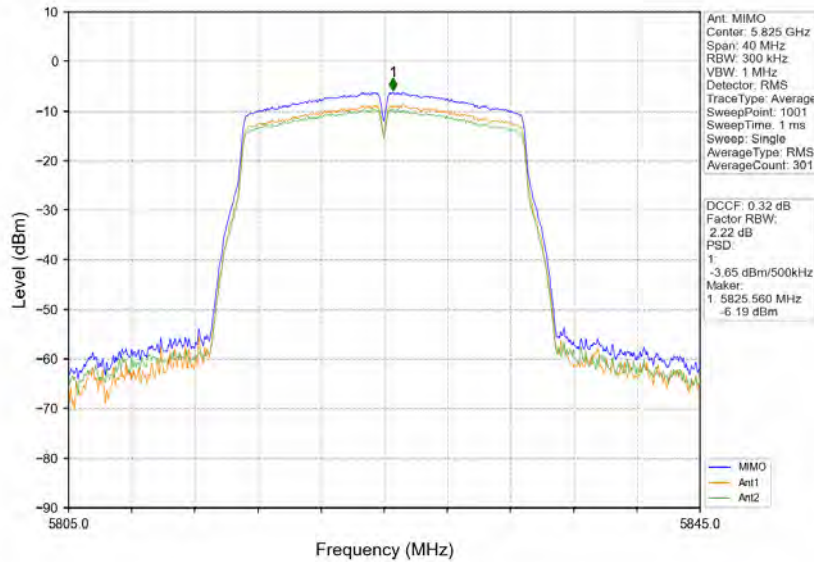
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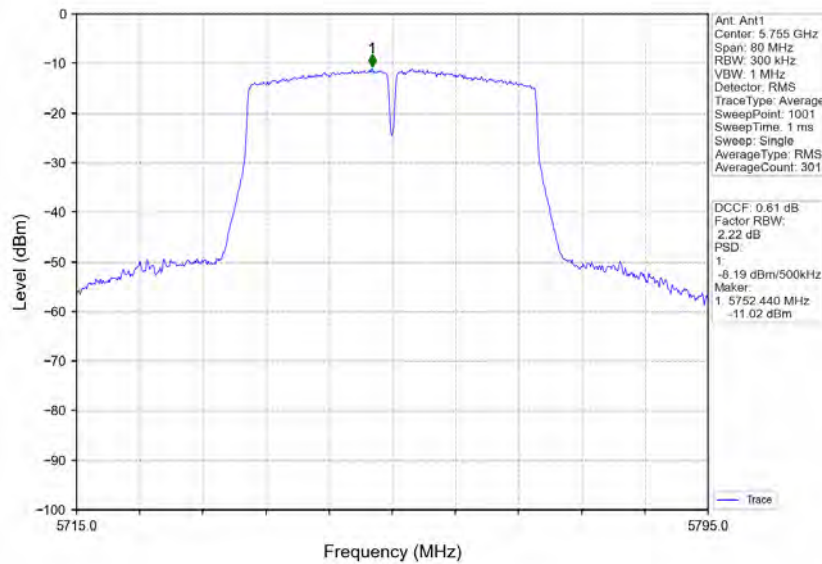
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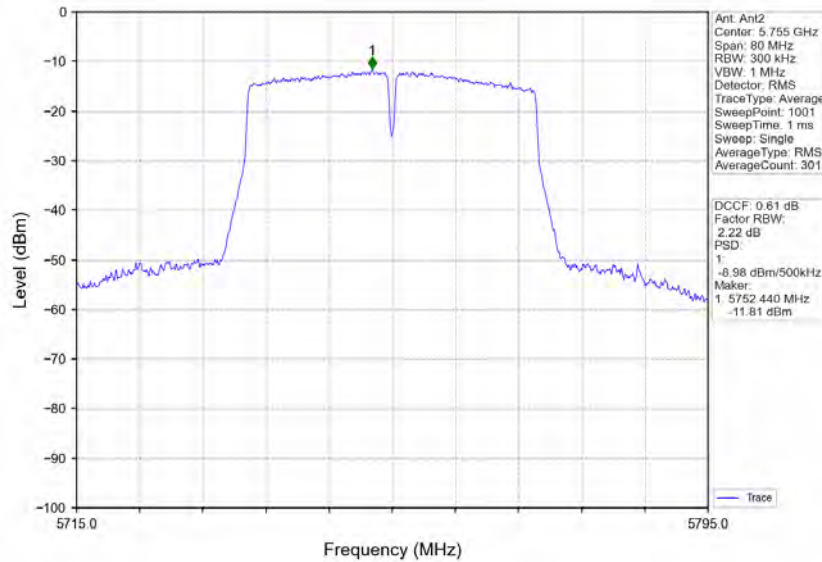
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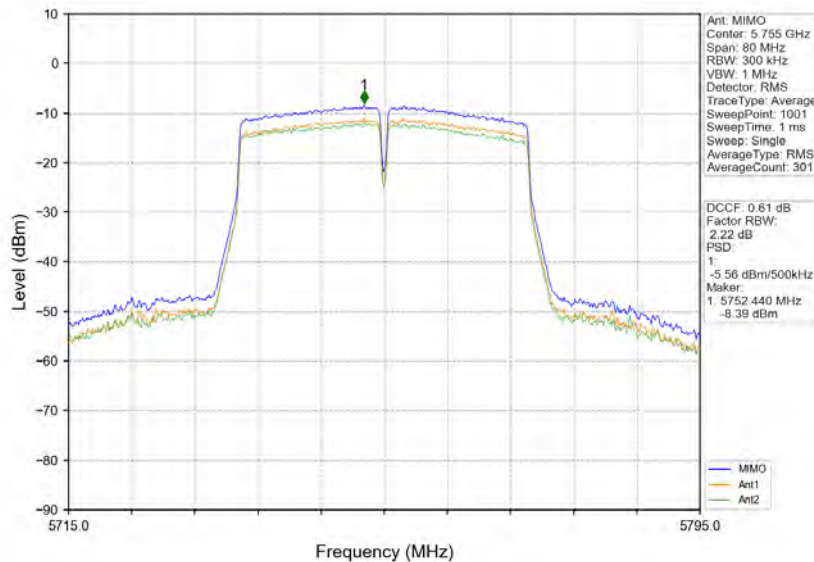
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802.11n(HT40)_LCH_5755MHz_Ant2_NTNV



802.11n(HT40)_LCH_5755MHz_MIMO_NTNV



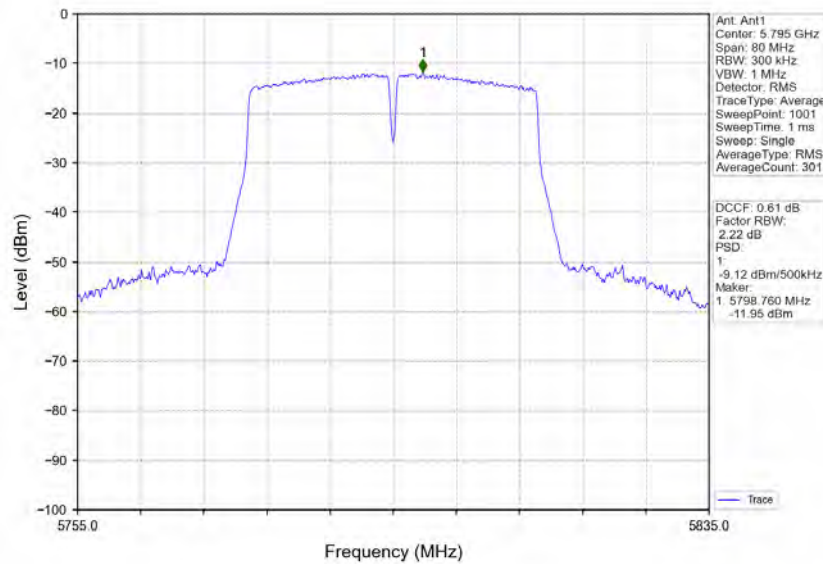
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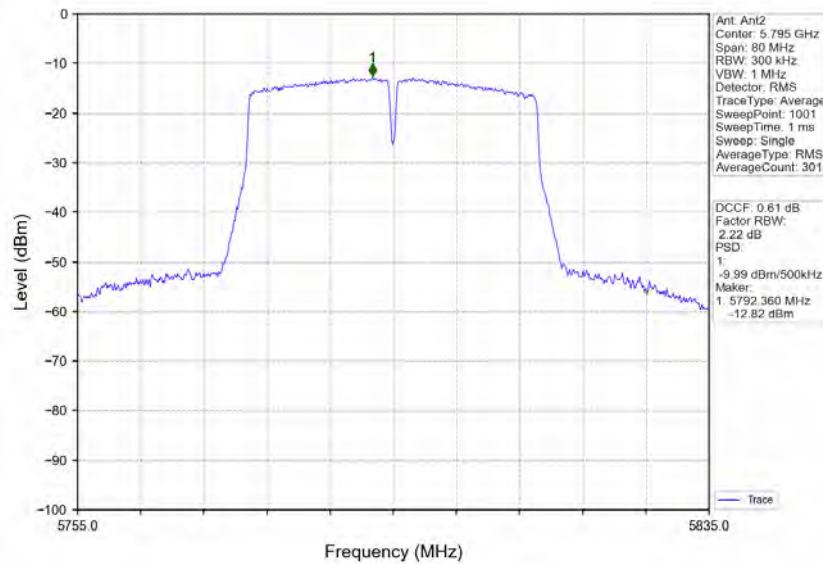
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802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



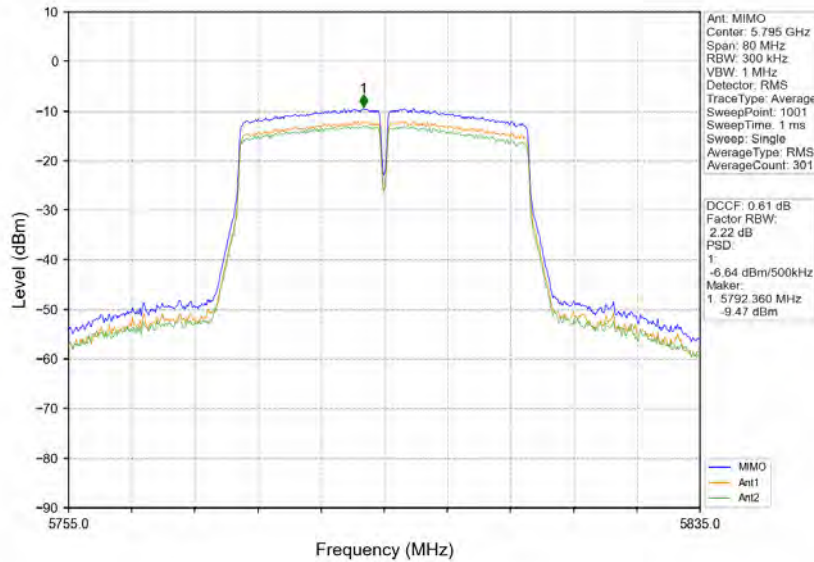
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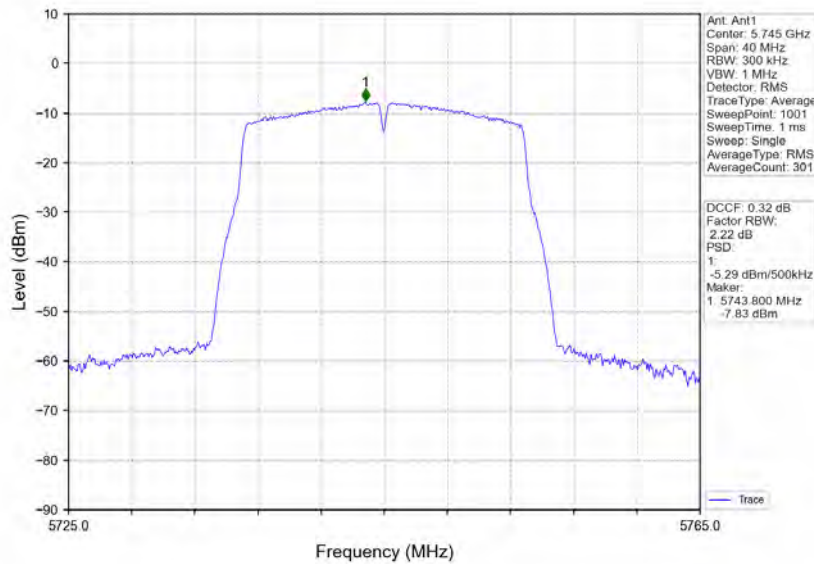
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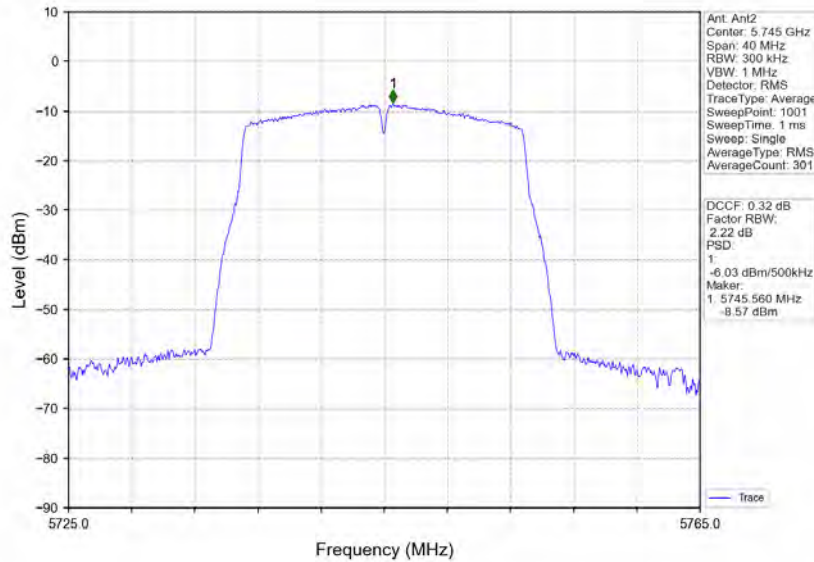
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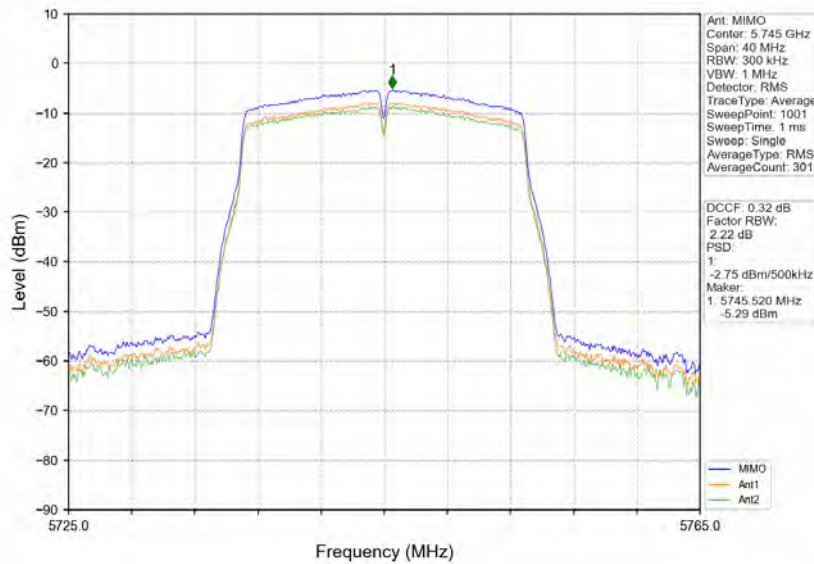
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802.11ac(VHT20)_LCH_5745MHz_Ant2_NTNV



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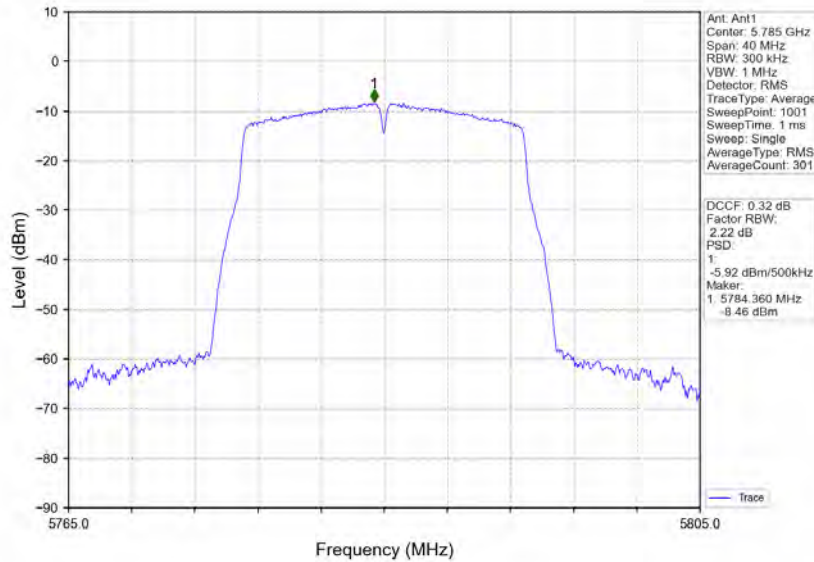
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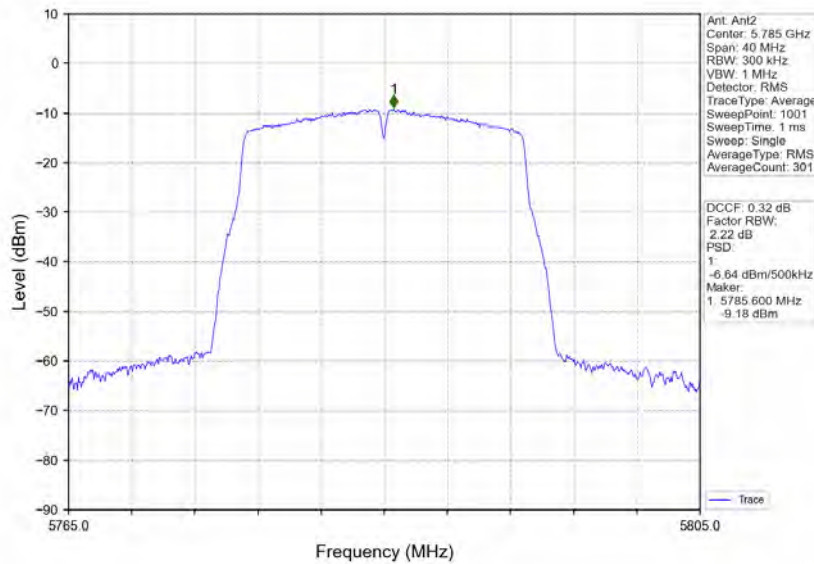
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802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



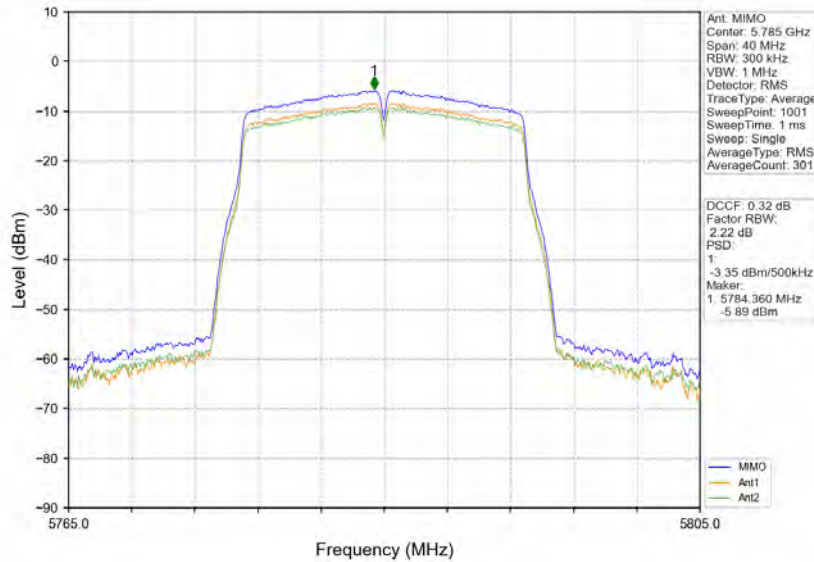
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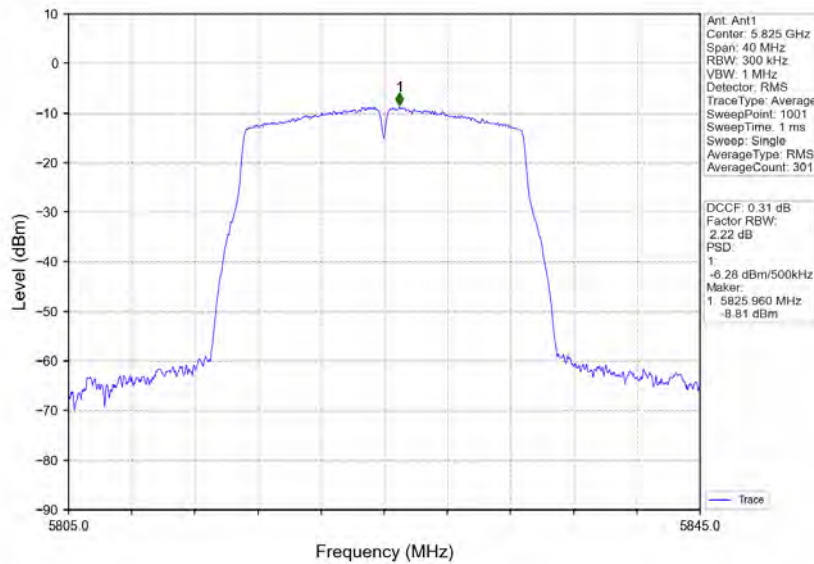
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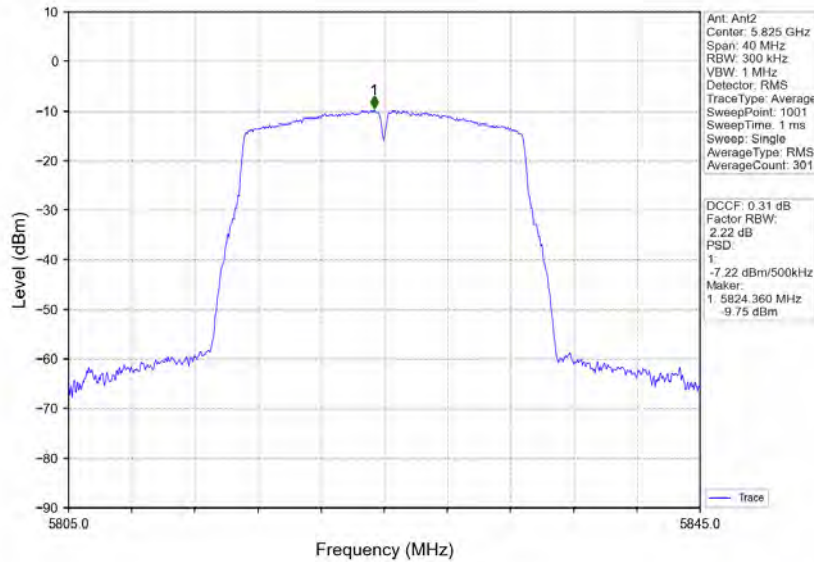
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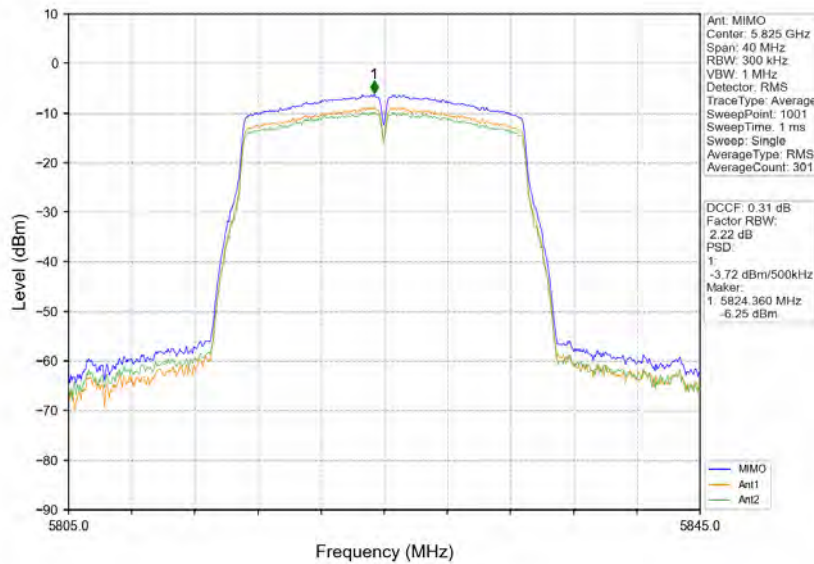
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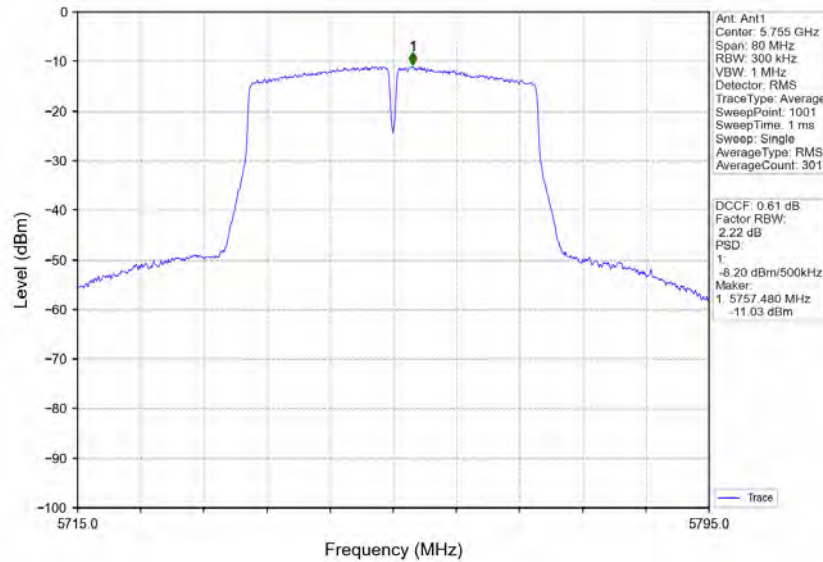
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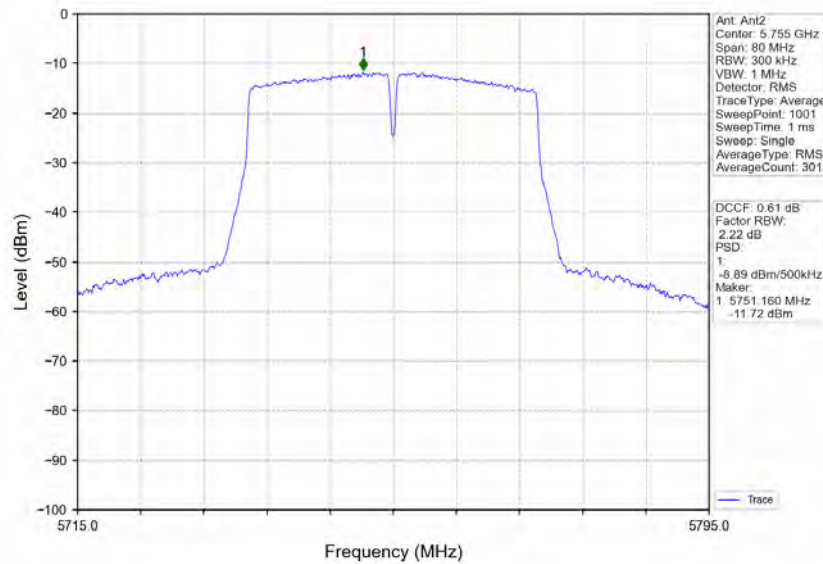
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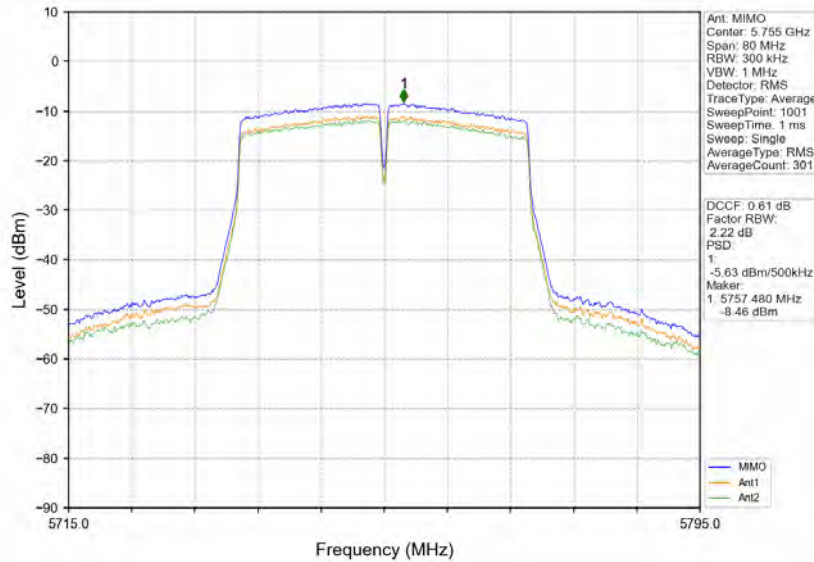
802.11ac(VHT40)_LCH_5755MHz_Ant2_NTNV



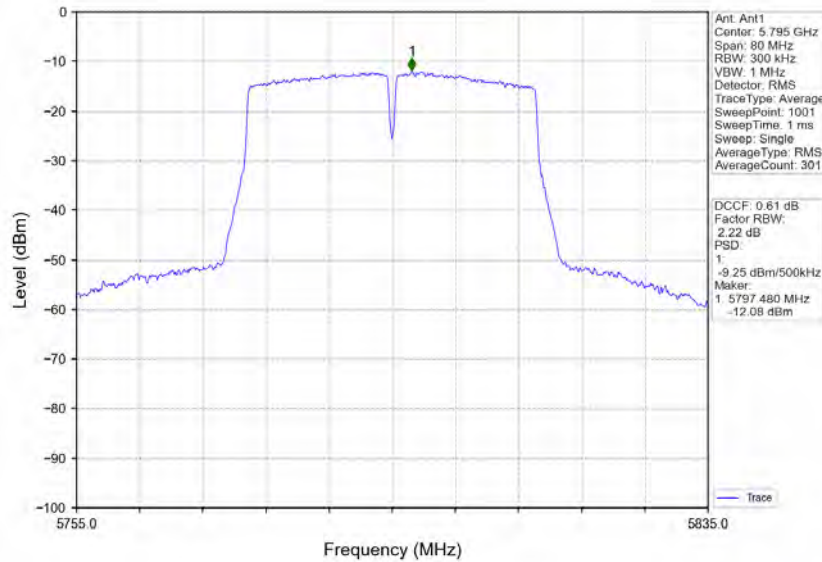
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802.11ac(VHT40)_LCH_5755MHz_MIMO_NTNV



802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



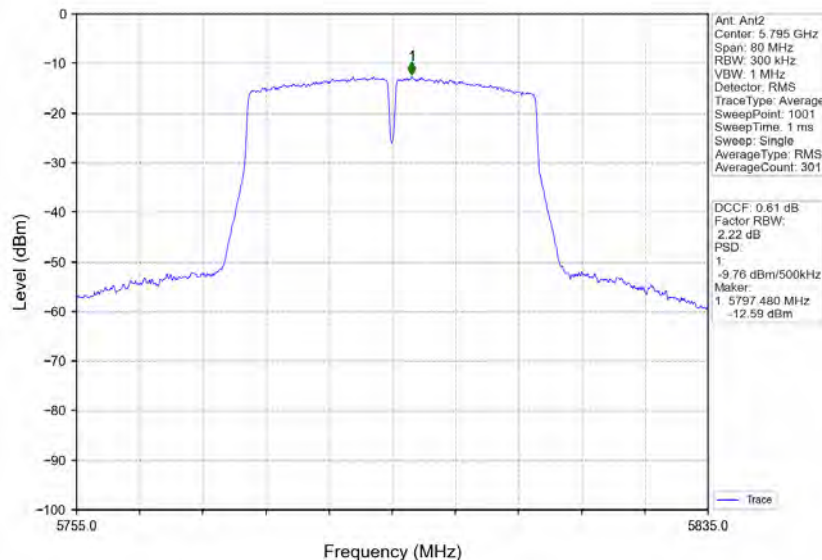
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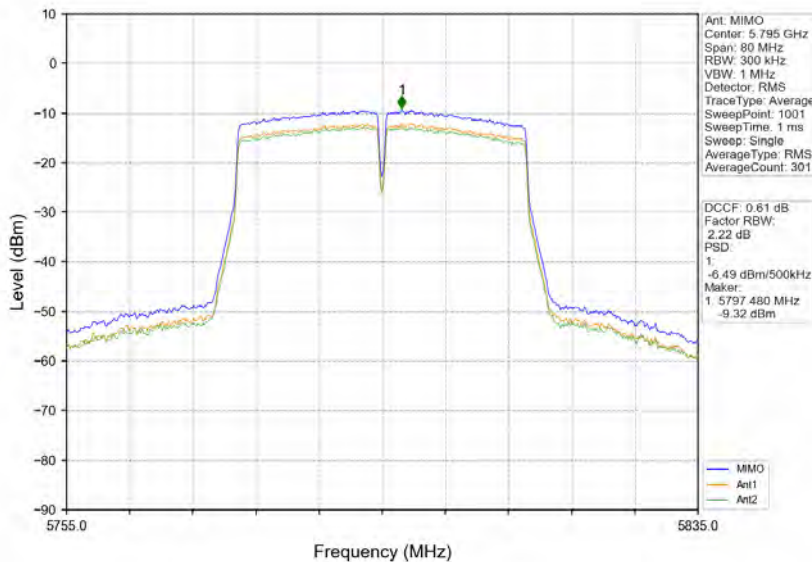
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802.11ac(VHT40)_HCH_5795MHz_Ant2_NTNV



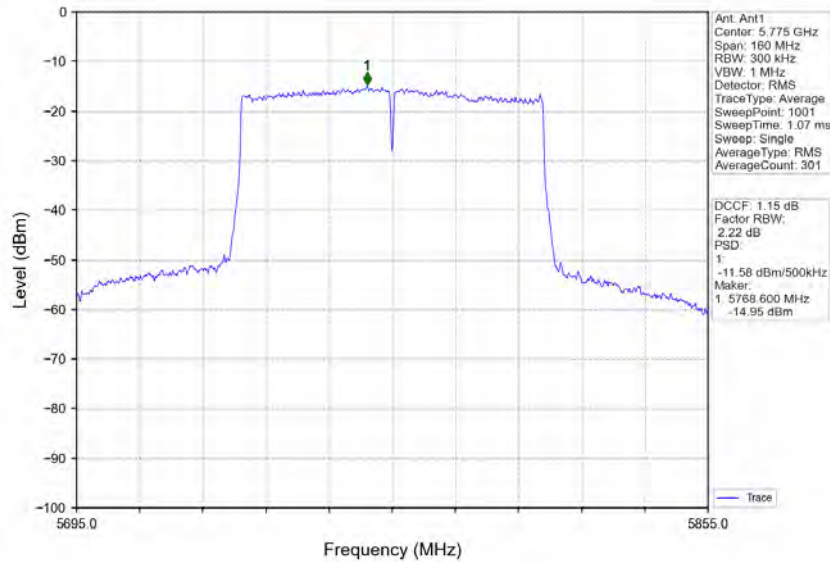
802.11ac(VHT40)_HCH_5795MHz_MIMO_NTNV



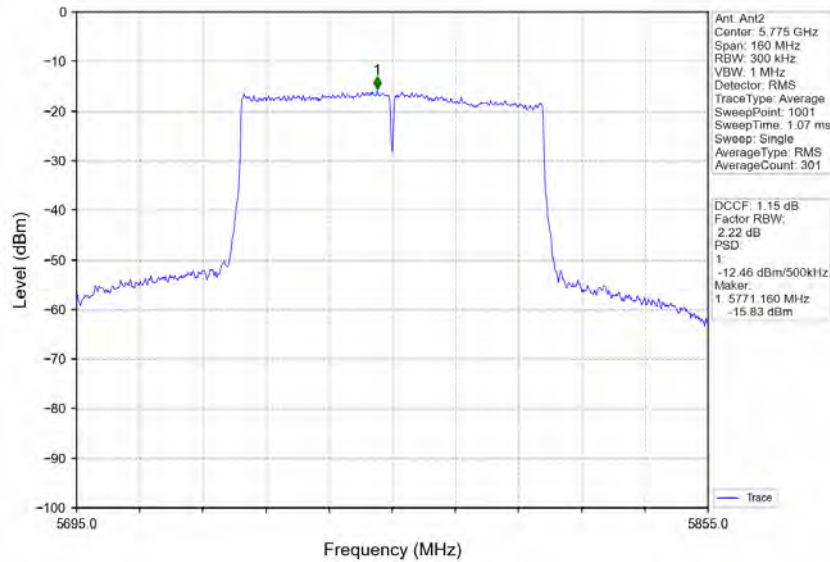
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802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant2_NTNV

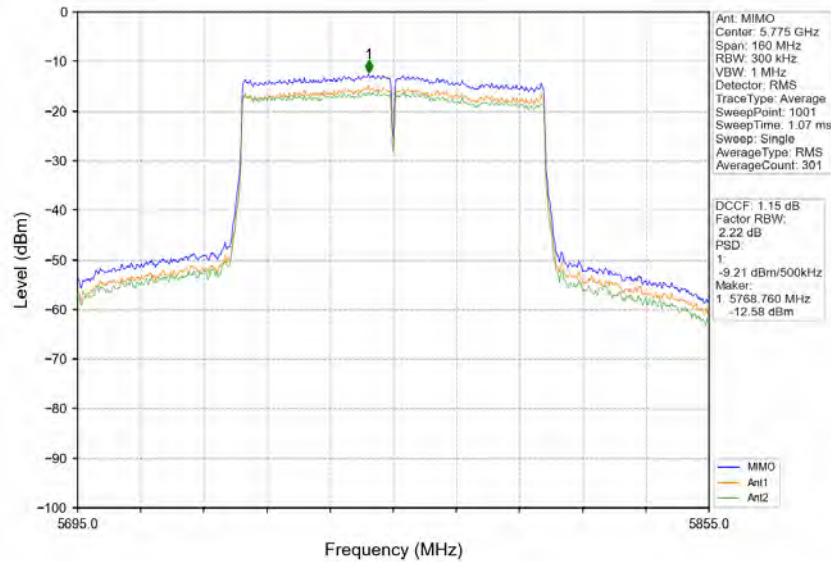


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802.11ac(VHT80)_MCH_5775MHz_MIMO_NTNV



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5. Frequency Stability

5.1 Ant1

5.1.1 Test Result

Ant1									
Mode	TX Type	Frequency (MHz)	Temperature (°C)	Voltage (VAC)	Measured Frequency (MHz)	Limit (MHz)	Verdict		
802.11a	SISO	5180	20	102	5179.960	5150 to 5250	Pass		
				120	5179.860	5150 to 5250	Pass		
				138	5179.920	5150 to 5250	Pass		
			5200	-30	120	5180.020	5150 to 5250	Pass	
					-20	120	5179.920	5150 to 5250	Pass
						120	5180.000	5150 to 5250	Pass
				0	120	5179.960	5150 to 5250	Pass	
					10	120	5180.040	5150 to 5250	Pass
					30	120	5179.960	5150 to 5250	Pass
		40			120	5180.020	5150 to 5250	Pass	
		50			120	5179.940	5150 to 5250	Pass	
		5240			20	102	5199.920	5150 to 5250	Pass
			120	5199.900		5150 to 5250	Pass		
			138	5199.980		5150 to 5250	Pass		
			-30	120	5199.880	5150 to 5250	Pass		
				-20	120	5200.020	5150 to 5250	Pass	
					120	5200.000	5150 to 5250	Pass	
			0	120	5199.920	5150 to 5250	Pass		
				10	120	5199.900	5150 to 5250	Pass	
				30	120	5199.920	5150 to 5250	Pass	
		40		120	5199.940	5150 to 5250	Pass		
		50		120	5199.940	5150 to 5250	Pass		
		5745		20	102	5239.940	5150 to 5250	Pass	
			120		5239.900	5150 to 5250	Pass		
			138		5239.980	5150 to 5250	Pass		
			-30	120	5239.960	5150 to 5250	Pass		
				-20	120	5239.920	5150 to 5250	Pass	
					120	5240.040	5150 to 5250	Pass	
			0	120	5239.900	5150 to 5250	Pass		
				10	120	5240.020	5150 to 5250	Pass	
				30	120	5239.920	5150 to 5250	Pass	
		40		120	5239.920	5150 to 5250	Pass		
		50		120	5239.940	5150 to 5250	Pass		
		-30		102	5744.940	5725 to 5850	Pass		
			120	5744.980	5725 to 5850	Pass			
			138	5744.980	5725 to 5850	Pass			
-20	120		5744.960	5725 to 5850	Pass				
-20	120		5744.940	5725 to 5850	Pass				
-10	120		5744.880	5725 to 5850	Pass				



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			0	120	5744.920	5725 to 5850	Pass			
			10	120	5744.940	5725 to 5850	Pass			
			30	120	5744.920	5725 to 5850	Pass			
			40	120	5744.900	5725 to 5850	Pass			
			50	120	5744.860	5725 to 5850	Pass			
			5785	20	102	5784.960	5725 to 5850	Pass		
					120	5784.940	5725 to 5850	Pass		
					138	5784.960	5725 to 5850	Pass		
				-30	120	5784.940	5725 to 5850	Pass		
				-20	120	5784.940	5725 to 5850	Pass		
				-10	120	5784.900	5725 to 5850	Pass		
				0	120	5784.880	5725 to 5850	Pass		
				10	120	5784.940	5725 to 5850	Pass		
				30	120	5784.940	5725 to 5850	Pass		
				40	120	5784.900	5725 to 5850	Pass		
				50	120	5784.920	5725 to 5850	Pass		
				5825	20	102	5824.860	5725 to 5850	Pass	
			120			5824.900	5725 to 5850	Pass		
			138			5825.020	5725 to 5850	Pass		
			-30		120	5824.920	5725 to 5850	Pass		
			-20		120	5824.940	5725 to 5850	Pass		
			-10		120	5824.980	5725 to 5850	Pass		
			0		120	5824.920	5725 to 5850	Pass		
			10		120	5824.960	5725 to 5850	Pass		
			30		120	5824.940	5725 to 5850	Pass		
			40		120	5824.940	5725 to 5850	Pass		
			50		120	5824.960	5725 to 5850	Pass		
			802.11n (HT20)		MIMO	5180	20	102	5179.960	5150 to 5250
				120				5179.920	5150 to 5250	Pass
				138				5179.960	5150 to 5250	Pass
				-30			120	5179.960	5150 to 5250	Pass
				-20			120	5179.960	5150 to 5250	Pass
-10	120	5180.000		5150 to 5250			Pass			
0	120	5179.960		5150 to 5250			Pass			
10	120	5179.980		5150 to 5250			Pass			
30	120	5179.980		5150 to 5250			Pass			
40	120	5180.000		5150 to 5250			Pass			
50	120	5179.960		5150 to 5250			Pass			
5200	20	102		5199.960			5150 to 5250	Pass		
		120		5199.920		5150 to 5250	Pass			
		138		5199.920		5150 to 5250	Pass			
	-30	120		5200.020		5150 to 5250	Pass			
	-20	120		5199.940		5150 to 5250	Pass			
	-10	120		5199.880		5150 to 5250	Pass			
	0	120		5199.980		5150 to 5250	Pass			
	10	120		5199.980		5150 to 5250	Pass			
	30	120		5199.960		5150 to 5250	Pass			
	40	120		5199.980		5150 to 5250	Pass			
	50	120		5199.920		5150 to 5250	Pass			
	5240	20		102		5239.960	5150 to 5250	Pass		
120				5239.980		5150 to 5250	Pass			
138			5240.000	5150 to 5250	Pass					



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			-30	120	5240.000	5150 to 5250	Pass				
			-20	120	5239.960	5150 to 5250	Pass				
			-10	120	5239.960	5150 to 5250	Pass				
			0	120	5239.940	5150 to 5250	Pass				
			10	120	5239.980	5150 to 5250	Pass				
			30	120	5239.900	5150 to 5250	Pass				
			40	120	5239.980	5150 to 5250	Pass				
			50	120	5239.980	5150 to 5250	Pass				
			5745	20	102	5744.980	5725 to 5850	Pass			
					120	5744.920	5725 to 5850	Pass			
					138	5744.920	5725 to 5850	Pass			
				-30	120	5744.920	5725 to 5850	Pass			
				-20	120	5744.960	5725 to 5850	Pass			
				-10	120	5744.920	5725 to 5850	Pass			
				0	120	5744.960	5725 to 5850	Pass			
				10	120	5744.980	5725 to 5850	Pass			
				30	120	5744.920	5725 to 5850	Pass			
				40	120	5744.940	5725 to 5850	Pass			
				50	120	5744.900	5725 to 5850	Pass			
				5785	20	102	5784.940	5725 to 5850	Pass		
						120	5784.920	5725 to 5850	Pass		
						138	5784.920	5725 to 5850	Pass		
					-30	120	5784.920	5725 to 5850	Pass		
			-20		120	5784.920	5725 to 5850	Pass			
			-10		120	5784.980	5725 to 5850	Pass			
			0		120	5784.920	5725 to 5850	Pass			
			10		120	5784.900	5725 to 5850	Pass			
			30		120	5784.940	5725 to 5850	Pass			
			40		120	5784.900	5725 to 5850	Pass			
			50		120	5784.960	5725 to 5850	Pass			
			5825		20	102	5824.940	5725 to 5850	Pass		
						120	5824.980	5725 to 5850	Pass		
						138	5824.960	5725 to 5850	Pass		
					-30	120	5824.940	5725 to 5850	Pass		
				-20	120	5824.960	5725 to 5850	Pass			
				-10	120	5824.980	5725 to 5850	Pass			
				0	120	5825.000	5725 to 5850	Pass			
				10	120	5824.980	5725 to 5850	Pass			
				30	120	5824.980	5725 to 5850	Pass			
				40	120	5825.000	5725 to 5850	Pass			
				50	120	5825.000	5725 to 5850	Pass			
				802.11n (HT40)	MIMO	5190	20	102	5189.960	5150 to 5250	Pass
								120	5189.960	5150 to 5250	Pass
								138	5190.000	5150 to 5250	Pass
							-30	120	5189.960	5150 to 5250	Pass
-20	120	5189.960	5150 to 5250				Pass				
-10	120	5189.920	5150 to 5250				Pass				
0	120	5189.960	5150 to 5250				Pass				
10	120	5189.880	5150 to 5250				Pass				
30	120	5189.880	5150 to 5250				Pass				
40	120	5189.960	5150 to 5250				Pass				
50	120	5189.920	5150 to 5250	Pass							



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		5230	20	102	5229.960	5150 to 5250	Pass	
				120	5229.960	5150 to 5250	Pass	
				138	5229.920	5150 to 5250	Pass	
			-30	120	5229.880	5150 to 5250	Pass	
				-20	120	5229.960	5150 to 5250	Pass
					120	5229.920	5150 to 5250	Pass
			0	120	5229.880	5150 to 5250	Pass	
				10	5229.920	5150 to 5250	Pass	
				30	5229.960	5150 to 5250	Pass	
			40	120	5229.960	5150 to 5250	Pass	
				50	120	5229.960	5150 to 5250	Pass
					120	5229.960	5150 to 5250	Pass
		5755	20	102	5754.880	5725 to 5850	Pass	
				120	5754.920	5725 to 5850	Pass	
				138	5754.880	5725 to 5850	Pass	
			-30	120	5754.920	5725 to 5850	Pass	
				-20	120	5754.920	5725 to 5850	Pass
					120	5754.920	5725 to 5850	Pass
			0	120	5754.920	5725 to 5850	Pass	
				10	5754.960	5725 to 5850	Pass	
				30	5754.920	5725 to 5850	Pass	
			40	120	5754.920	5725 to 5850	Pass	
				50	120	5754.920	5725 to 5850	Pass
					120	5754.920	5725 to 5850	Pass
		5795	20	102	5794.960	5725 to 5850	Pass	
				120	5794.920	5725 to 5850	Pass	
				138	5794.960	5725 to 5850	Pass	
			-30	120	5794.880	5725 to 5850	Pass	
				-20	120	5794.880	5725 to 5850	Pass
					120	5794.920	5725 to 5850	Pass
			0	120	5794.920	5725 to 5850	Pass	
				10	5794.920	5725 to 5850	Pass	
				30	5794.920	5725 to 5850	Pass	
			40	120	5794.880	5725 to 5850	Pass	
				50	120	5794.960	5725 to 5850	Pass
					120	5794.960	5725 to 5850	Pass
802.11ac (VHT20)	MIMO	5180	20	102	5179.940	5150 to 5250	Pass	
				120	5179.960	5150 to 5250	Pass	
				138	5179.940	5150 to 5250	Pass	
			-30	120	5179.980	5150 to 5250	Pass	
				-20	120	5179.960	5150 to 5250	Pass
					120	5179.920	5150 to 5250	Pass
			0	120	5180.000	5150 to 5250	Pass	
				10	5179.920	5150 to 5250	Pass	
				30	5179.940	5150 to 5250	Pass	
			40	120	5179.920	5150 to 5250	Pass	
				50	120	5179.960	5150 to 5250	Pass
					120	5179.960	5150 to 5250	Pass
		5200	20	102	5199.920	5150 to 5250	Pass	
				120	5199.960	5150 to 5250	Pass	
				138	5199.960	5150 to 5250	Pass	
			-30	120	5199.940	5150 to 5250	Pass	
				-20	120	5199.900	5150 to 5250	Pass
					120	5199.900	5150 to 5250	Pass
			0	120	5199.960	5150 to 5250	Pass	
				10	120	5199.960	5150 to 5250	Pass
					120	5199.960	5150 to 5250	Pass



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		5240	30	120	5199.980	5150 to 5250	Pass
			40	120	5199.940	5150 to 5250	Pass
			50	120	5199.900	5150 to 5250	Pass
			20	102	5240.000	5150 to 5250	Pass
				120	5239.880	5150 to 5250	Pass
				138	5239.920	5150 to 5250	Pass
			-30	120	5239.960	5150 to 5250	Pass
			-20	120	5239.960	5150 to 5250	Pass
			-10	120	5239.940	5150 to 5250	Pass
			0	120	5239.960	5150 to 5250	Pass
			10	120	5240.020	5150 to 5250	Pass
			30	120	5240.000	5150 to 5250	Pass
		40	120	5239.980	5150 to 5250	Pass	
		50	120	5239.960	5150 to 5250	Pass	
		5745	20	102	5744.960	5725 to 5850	Pass
				120	5744.940	5725 to 5850	Pass
				138	5744.940	5725 to 5850	Pass
			-30	120	5744.920	5725 to 5850	Pass
			-20	120	5744.880	5725 to 5850	Pass
			-10	120	5745.000	5725 to 5850	Pass
			0	120	5744.980	5725 to 5850	Pass
			10	120	5744.980	5725 to 5850	Pass
			30	120	5744.960	5725 to 5850	Pass
			40	120	5744.920	5725 to 5850	Pass
			50	120	5744.900	5725 to 5850	Pass
			5785	20	102	5784.920	5725 to 5850
		120			5784.960	5725 to 5850	Pass
		138			5784.940	5725 to 5850	Pass
		-30		120	5784.940	5725 to 5850	Pass
		-20		120	5785.000	5725 to 5850	Pass
		-10		120	5784.900	5725 to 5850	Pass
		0		120	5784.980	5725 to 5850	Pass
		10		120	5784.940	5725 to 5850	Pass
		30		120	5785.060	5725 to 5850	Pass
		40		120	5784.960	5725 to 5850	Pass
		50		120	5784.940	5725 to 5850	Pass
		5825		20	102	5824.960	5725 to 5850
			120		5824.900	5725 to 5850	Pass
			138		5825.040	5725 to 5850	Pass
			-30	120	5824.960	5725 to 5850	Pass
			-20	120	5824.900	5725 to 5850	Pass
			-10	120	5824.940	5725 to 5850	Pass
0	120		5824.920	5725 to 5850	Pass		
10	120		5824.940	5725 to 5850	Pass		
30	120		5824.960	5725 to 5850	Pass		
40	120		5825.000	5725 to 5850	Pass		
50	120		5824.880	5725 to 5850	Pass		
802.11ac (VHT40)	MIMO		5190	20	102	5189.960	5150 to 5250
		120			5190.000	5150 to 5250	Pass
		138			5189.920	5150 to 5250	Pass
		-30		120	5189.960	5150 to 5250	Pass
		-20		120	5189.960	5150 to 5250	Pass



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		5230	-10	120	5189.960	5150 to 5250	Pass			
			0	120	5189.960	5150 to 5250	Pass			
			10	120	5190.040	5150 to 5250	Pass			
			30	120	5189.880	5150 to 5250	Pass			
			40	120	5189.960	5150 to 5250	Pass			
			50	120	5189.960	5150 to 5250	Pass			
			20	102	5229.920	5150 to 5250	Pass			
				120	5229.920	5150 to 5250	Pass			
				138	5230.000	5150 to 5250	Pass			
			-30	120	5229.960	5150 to 5250	Pass			
			-20	120	5229.960	5150 to 5250	Pass			
			-10	120	5230.000	5150 to 5250	Pass			
			0	120	5230.040	5150 to 5250	Pass			
			10	120	5229.920	5150 to 5250	Pass			
			30	120	5229.960	5150 to 5250	Pass			
		40	120	5230.000	5150 to 5250	Pass				
		50	120	5229.960	5150 to 5250	Pass				
		5755	20	102	5754.960	5725 to 5850	Pass			
				120	5754.880	5725 to 5850	Pass			
				138	5754.920	5725 to 5850	Pass			
			-30	120	5754.920	5725 to 5850	Pass			
			-20	120	5754.920	5725 to 5850	Pass			
			-10	120	5755.000	5725 to 5850	Pass			
			0	120	5754.880	5725 to 5850	Pass			
			10	120	5755.000	5725 to 5850	Pass			
			30	120	5754.920	5725 to 5850	Pass			
			40	120	5754.920	5725 to 5850	Pass			
			50	120	5755.000	5725 to 5850	Pass			
			5795	20	102	5795.000	5725 to 5850	Pass		
					120	5794.960	5725 to 5850	Pass		
					138	5794.960	5725 to 5850	Pass		
				-30	120	5794.920	5725 to 5850	Pass		
		-20		120	5794.880	5725 to 5850	Pass			
		-10		120	5794.960	5725 to 5850	Pass			
		0		120	5794.920	5725 to 5850	Pass			
		10		120	5794.960	5725 to 5850	Pass			
		30		120	5794.960	5725 to 5850	Pass			
		40		120	5794.880	5725 to 5850	Pass			
		50		120	5794.880	5725 to 5850	Pass			
		802.11ac (VHT80)		MIMO	5210	20	102	5209.925	5150 to 5250	Pass
							120	5209.850	5150 to 5250	Pass
							138	5209.925	5150 to 5250	Pass
						-30	120	5209.925	5150 to 5250	Pass
			-20			120	5210.000	5150 to 5250	Pass	
			-10			120	5210.000	5150 to 5250	Pass	
0	120		5210.000			5150 to 5250	Pass			
10	120		5210.000			5150 to 5250	Pass			
30	120		5209.925			5150 to 5250	Pass			
40	120		5209.925			5150 to 5250	Pass			
50	120		5209.925			5150 to 5250	Pass			
5775	20		102			5774.850	5725 to 5850	Pass		
			120			5774.925	5725 to 5850	Pass		



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			138	5774.925	5725 to 5850	Pass	
			-30	120	5774.850	5725 to 5850	Pass
			-20	120	5774.925	5725 to 5850	Pass
			-10	120	5775.000	5725 to 5850	Pass
			0	120	5774.925	5725 to 5850	Pass
			10	120	5774.925	5725 to 5850	Pass
			30	120	5774.925	5725 to 5850	Pass
			40	120	5774.925	5725 to 5850	Pass
			50	120	5775.000	5725 to 5850	Pass



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