

1. Duty Cycle

1.1 Test Result

1.1.1 Ant1

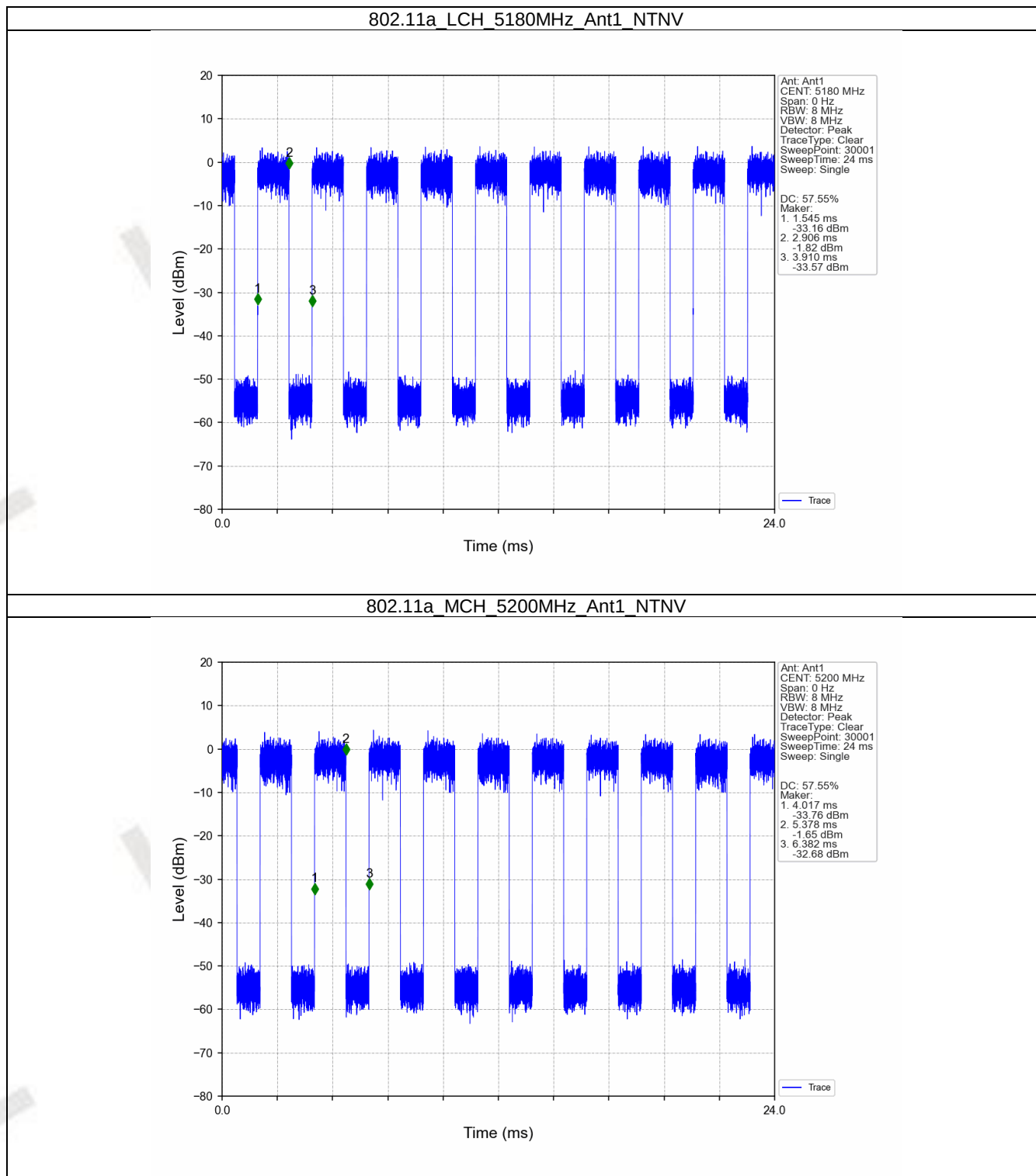
Ant1							
Mode	Tx Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11a	SISO	5180	1.361	2.365	57.55	2.40	0.02
		5200	1.361	2.365	57.55	2.40	0.03
		5240	1.362	2.365	57.59	2.40	0.03
802.11n (HT20)	SISO	5180	1.273	2.277	55.91	2.53	0.04
		5200	1.274	2.277	55.95	2.52	0.02
		5240	1.274	2.277	55.95	2.52	0.02
802.11n (HT40)	SISO	5190	0.634	1.637	38.73	4.12	0.03
		5230	0.633	1.637	38.67	4.13	0.03
802.11ac (VHT20)	SISO	5180	1.278	2.281	56.03	2.52	0.04
		5200	1.278	2.281	56.03	2.52	0.02
		5240	1.277	2.280	56.01	2.52	0.04
802.11ac (VHT40)	SISO	5190	0.634	1.638	38.71	4.12	0.03
		5230	0.633	1.637	38.67	4.13	0.03
802.11ac (VHT80)	SISO	5210	0.317	1.320	24.02	6.20	0.03

1.1.2 Ant2

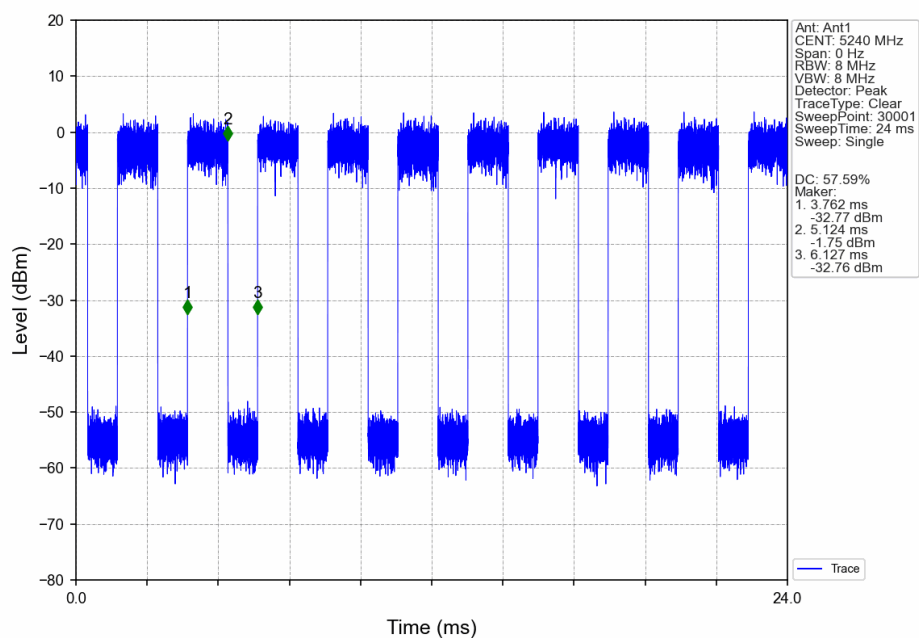
Ant2							
Mode	Tx Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11a	SISO	5180	1.362	2.365	57.59	2.40	0.02
		5200	1.361	2.365	57.55	2.40	0.02
		5240	1.362	2.365	57.59	2.40	0.02
802.11n (HT20)	SISO	5180	1.273	2.276	55.93	2.52	0.02
		5200	1.273	2.276	55.93	2.52	0.04
		5240	1.274	2.277	55.95	2.52	0.02
802.11n (HT40)	SISO	5190	0.633	1.637	38.67	4.13	0.03
		5230	0.633	1.637	38.67	4.13	0.03
802.11ac (VHT20)	SISO	5180	1.278	2.281	56.03	2.52	0.02
		5200	1.278	2.281	56.03	2.52	0.02
		5240	1.278	2.281	56.03	2.52	0.02
802.11ac (VHT40)	SISO	5190	0.634	1.637	38.73	4.12	0.01
		5230	0.633	1.637	38.67	4.13	0.01
802.11ac (VHT80)	SISO	5210	0.317	1.320	24.02	6.20	0.02

1.2 Test Graph

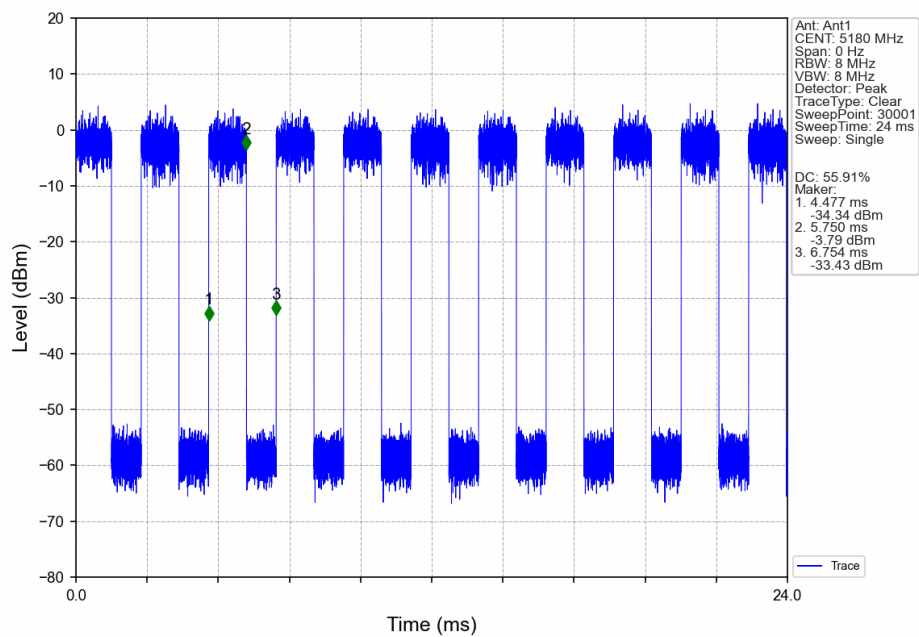
1.2.1 Ant1



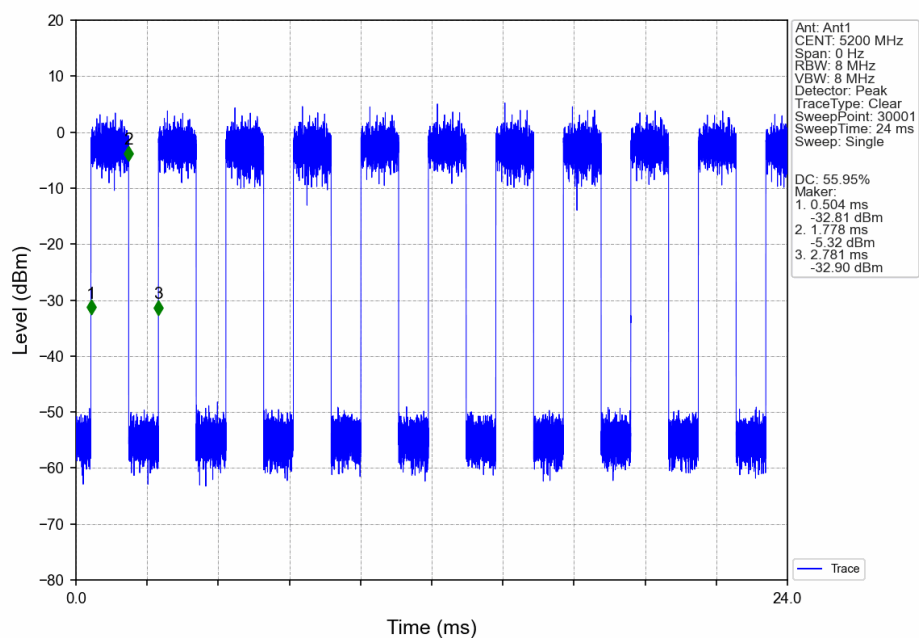
802.11a_HCH_5240MHz_Ant1_NTNV



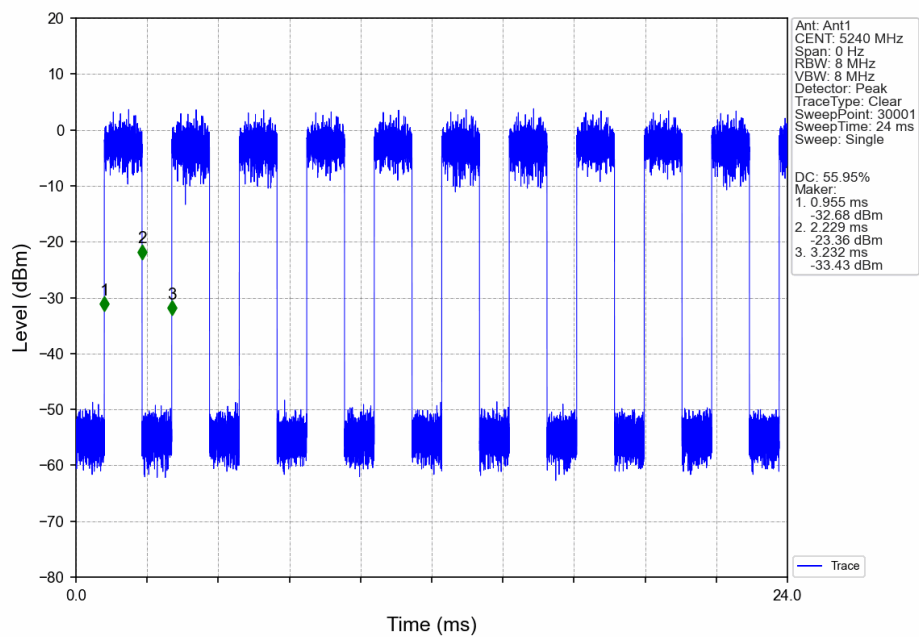
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



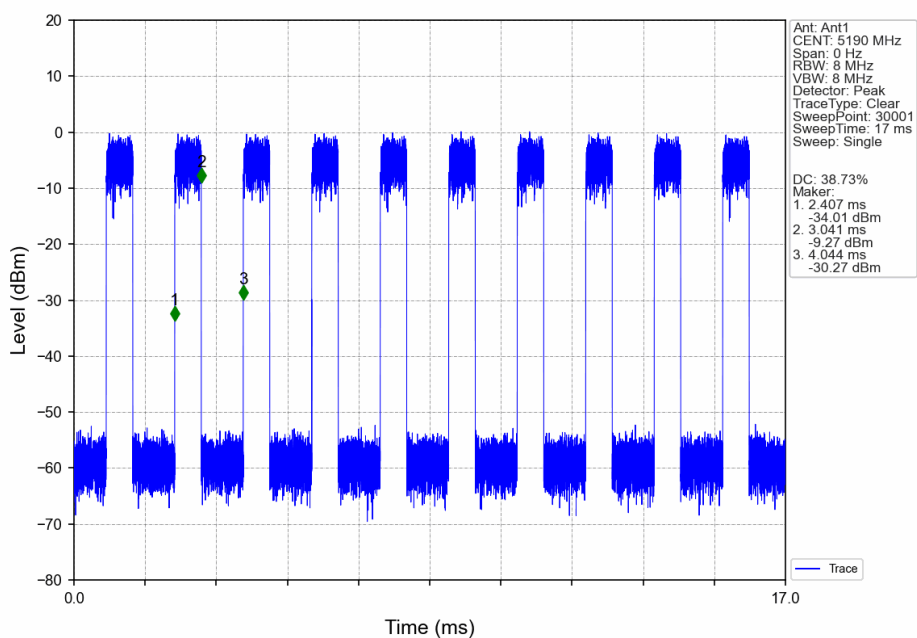
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



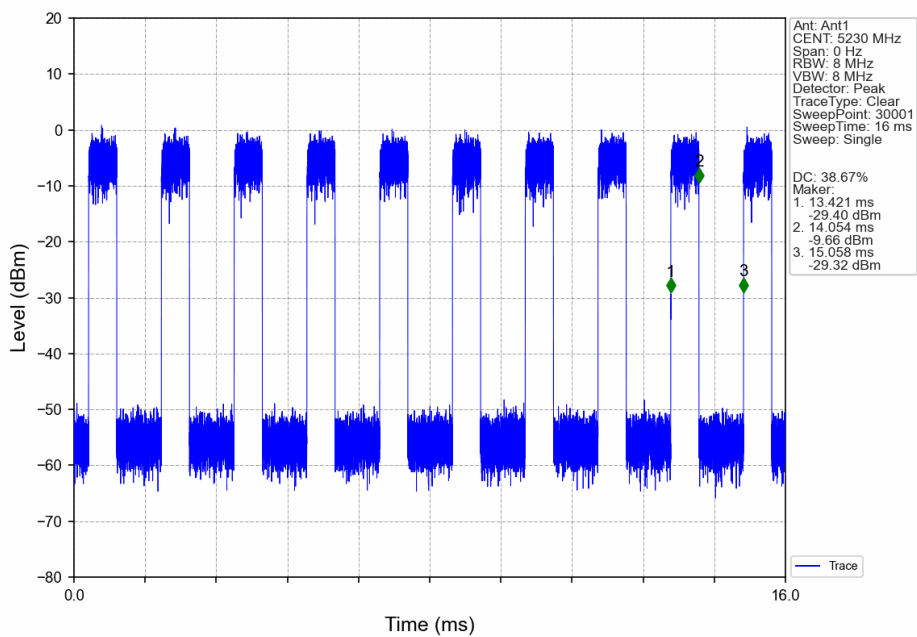
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



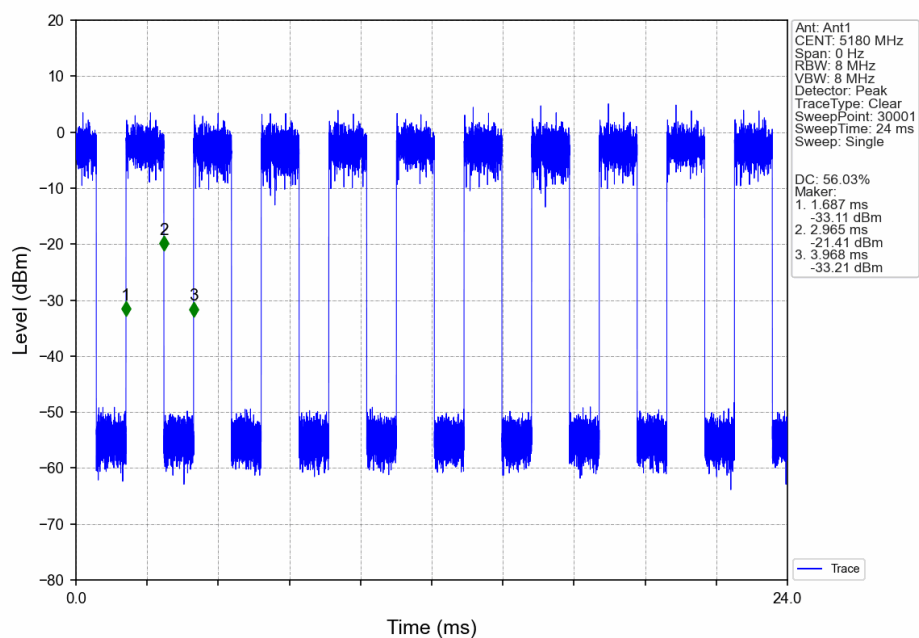
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



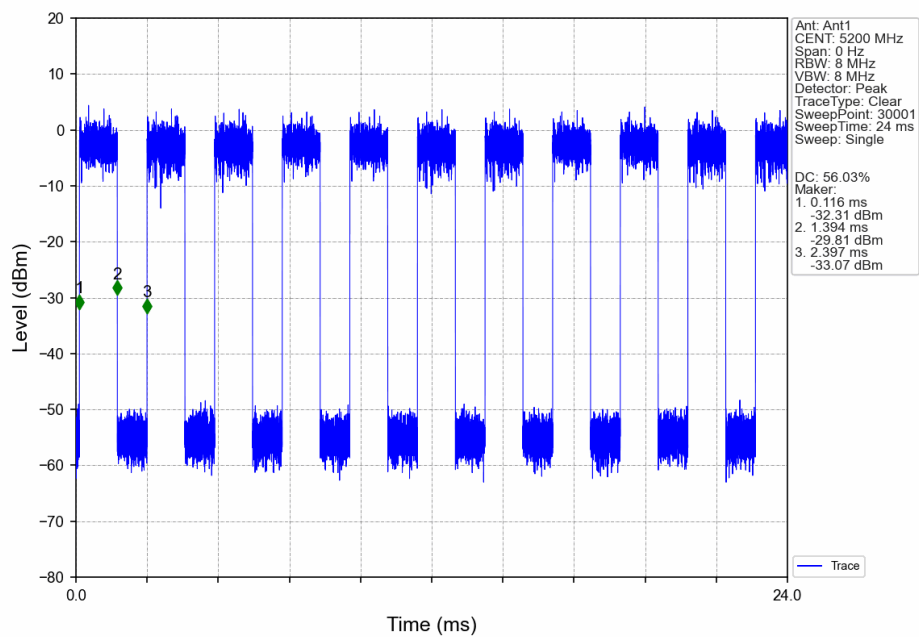
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



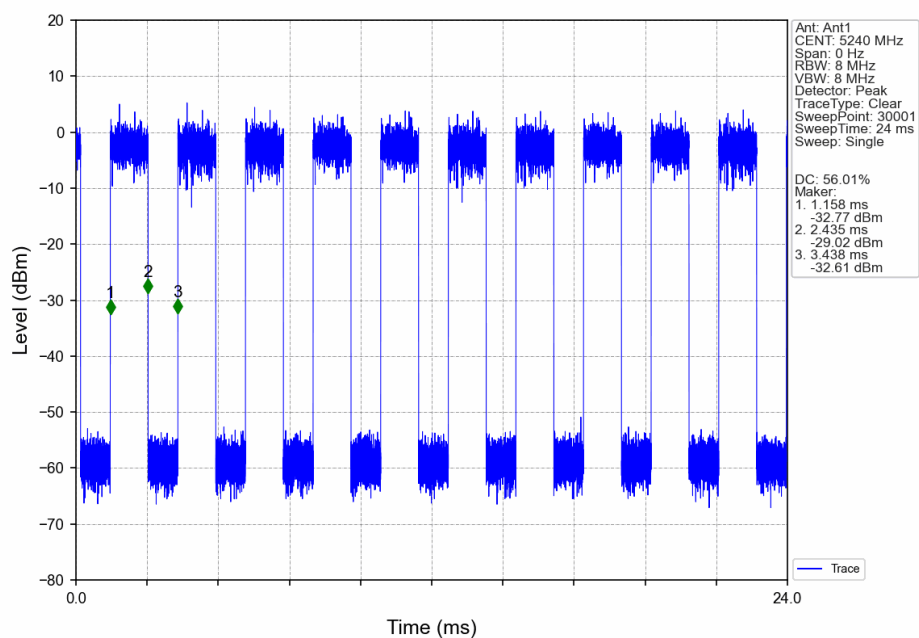
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



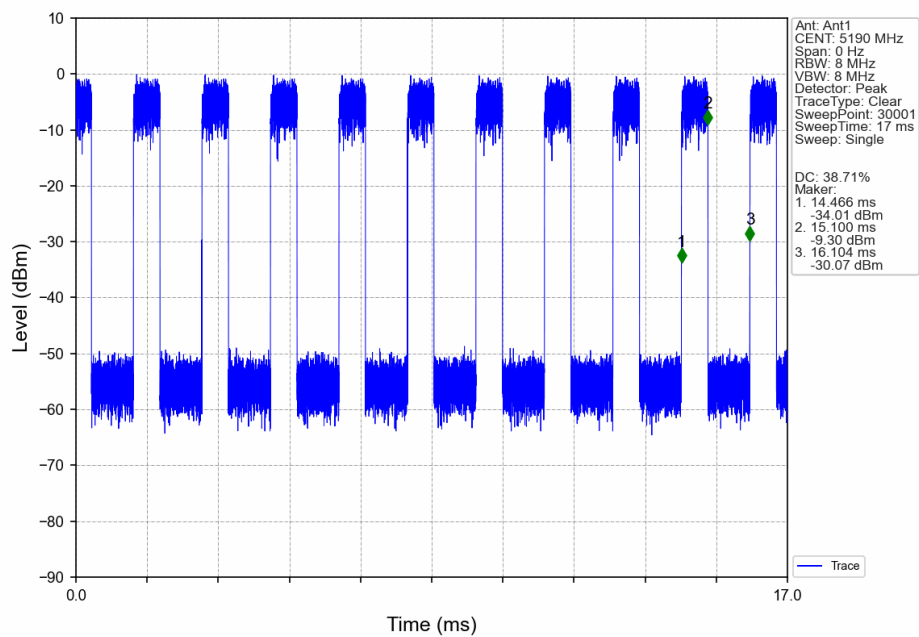
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



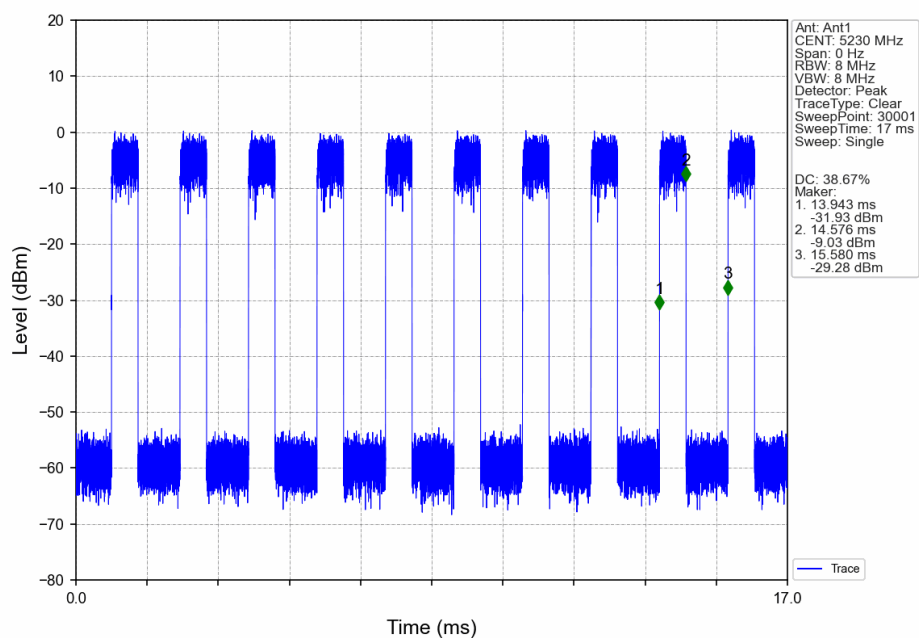
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



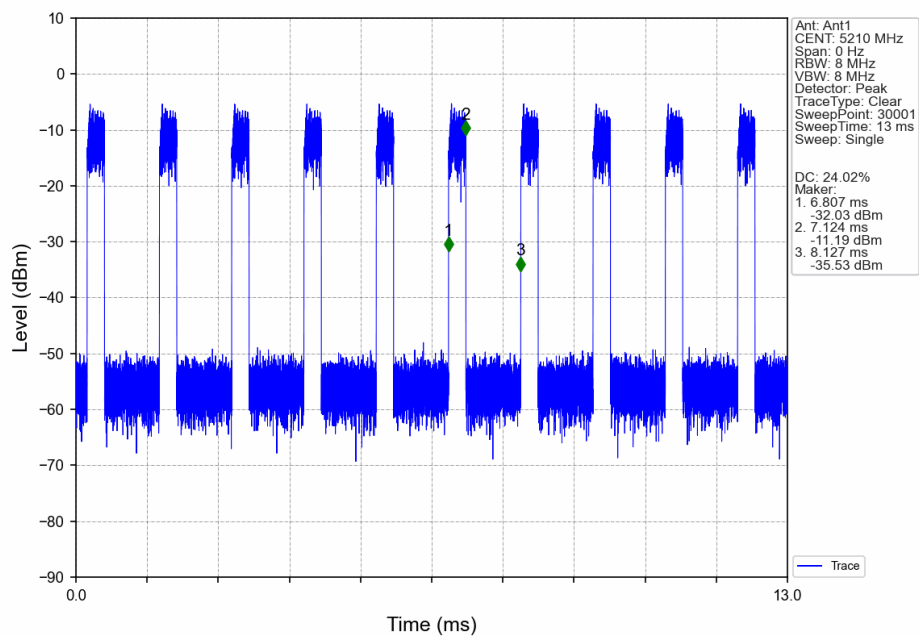
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



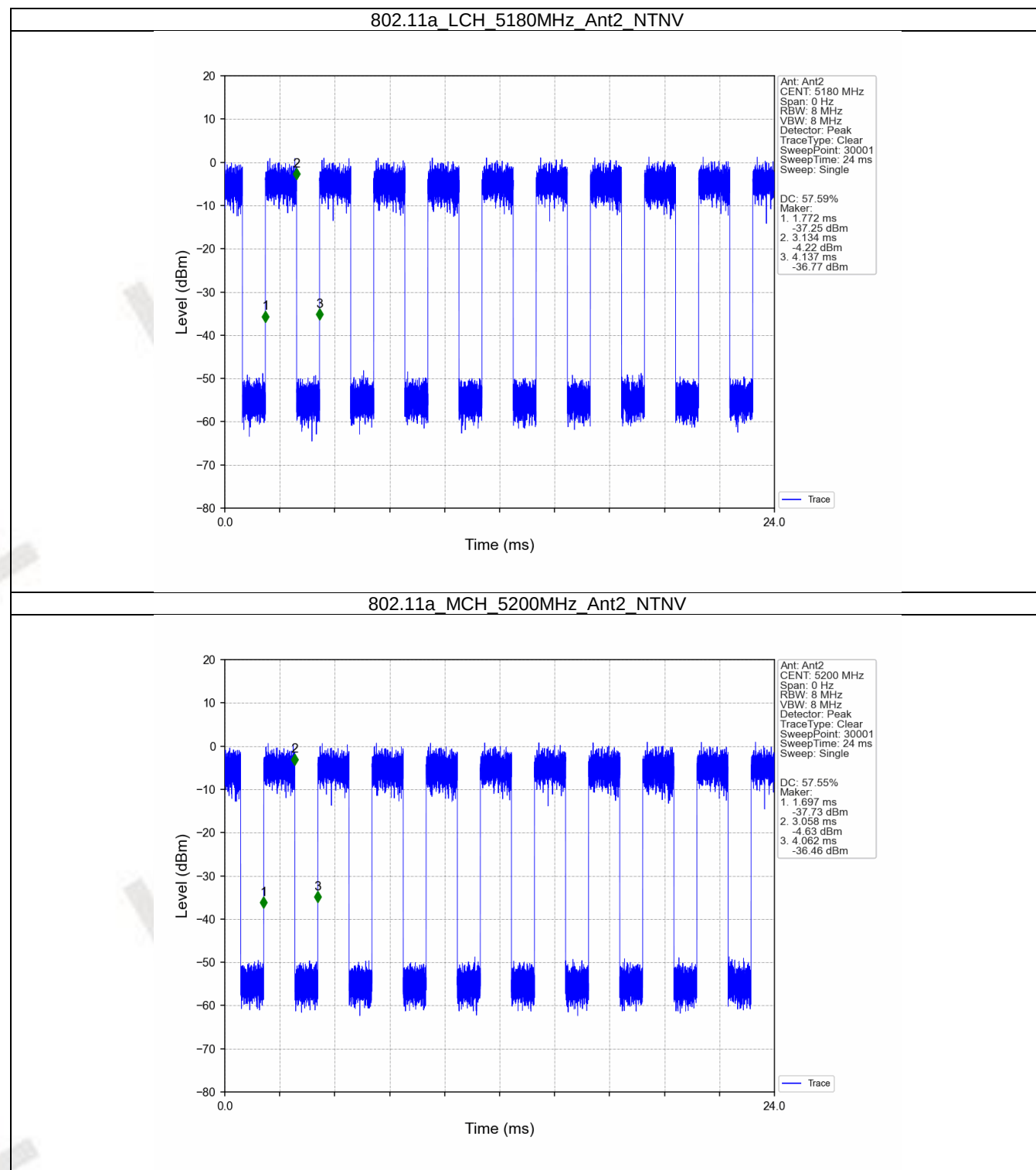
802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



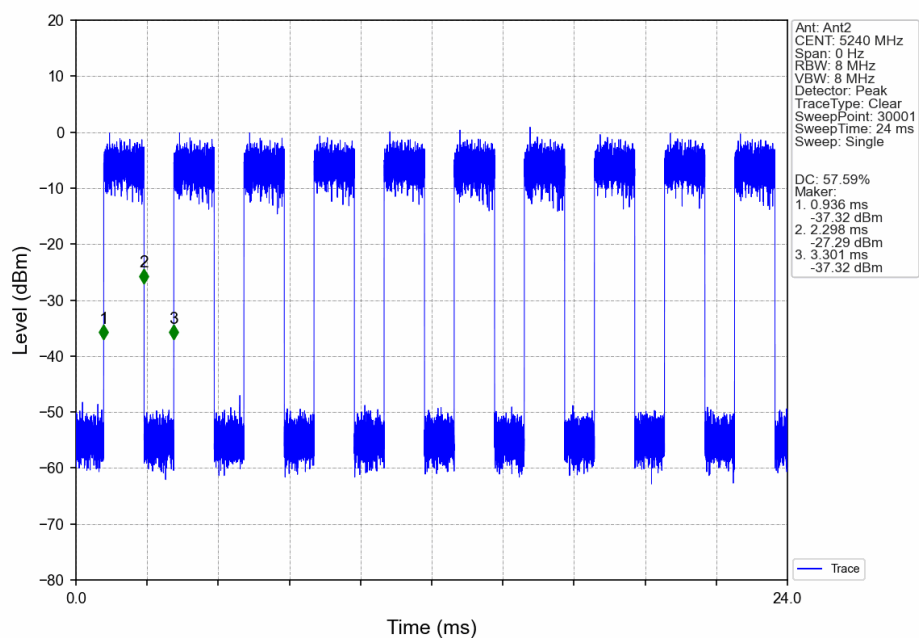
802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



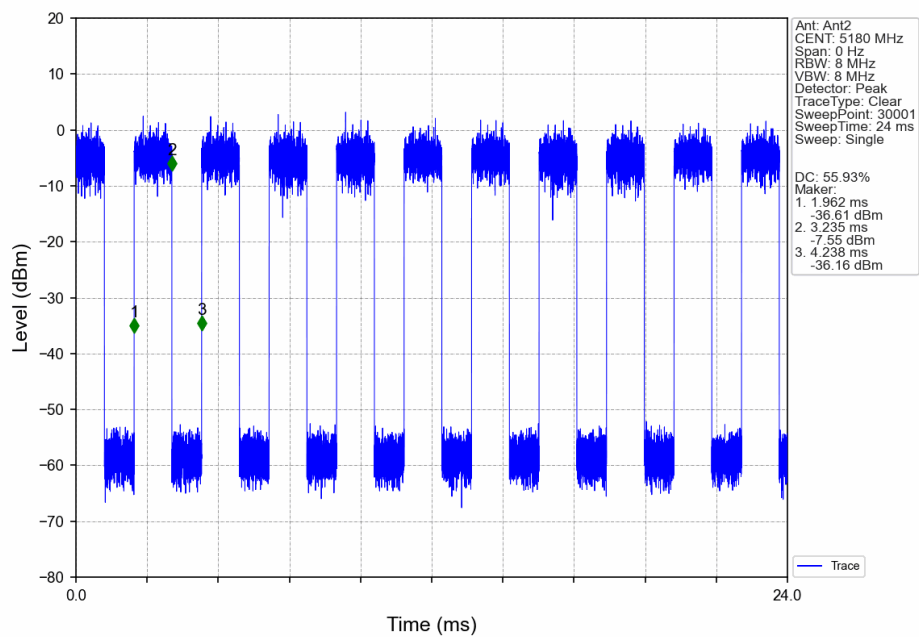
1.2.2 Ant2



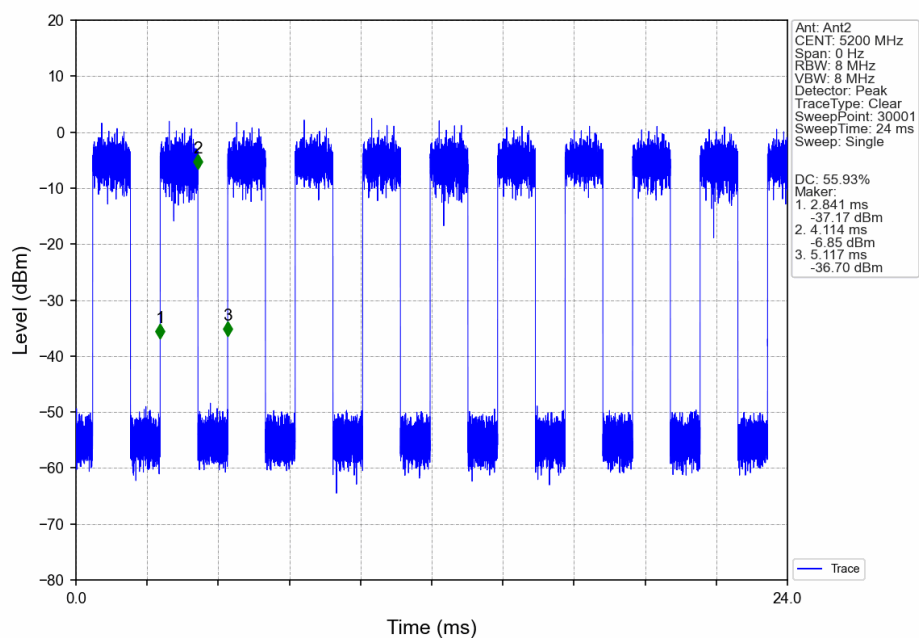
802.11a_HCH_5240MHz_Ant2_NTNV



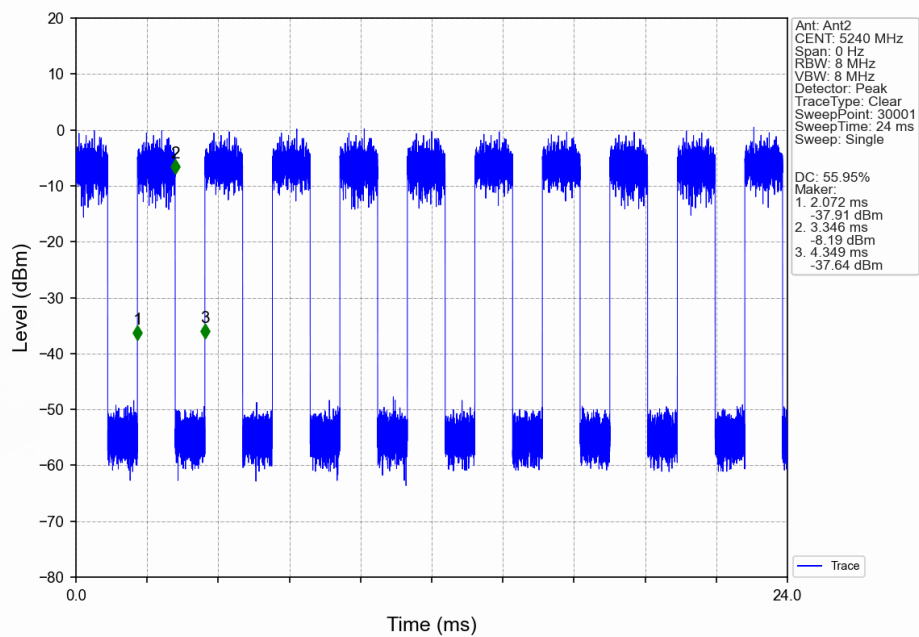
802.11n(HT20)_LCH_5180MHz_Ant2_NTNV



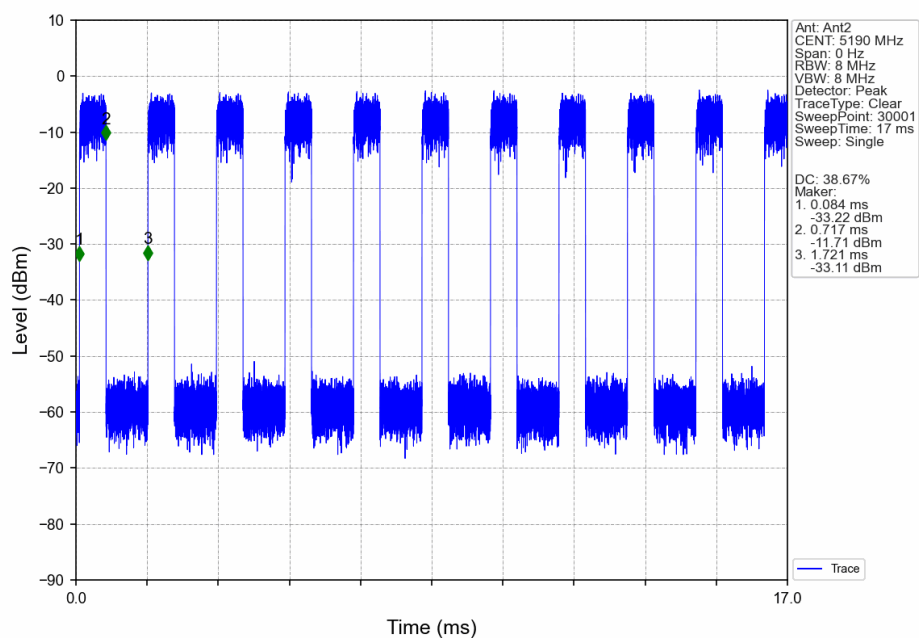
802.11n(HT20)_MCH_5200MHz_Ant2_NTNV



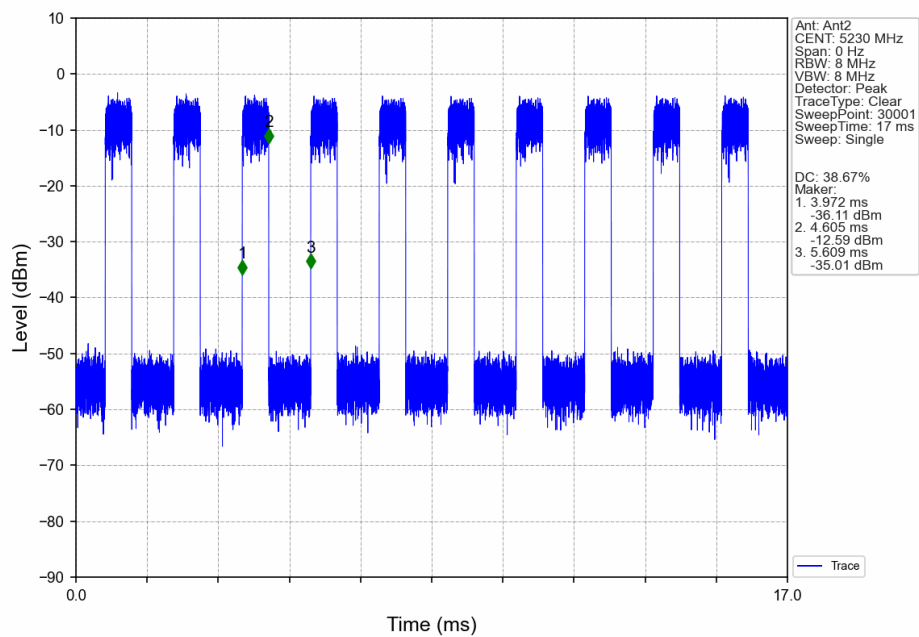
802.11n(HT20)_HCH_5240MHz_Ant2_NTNV



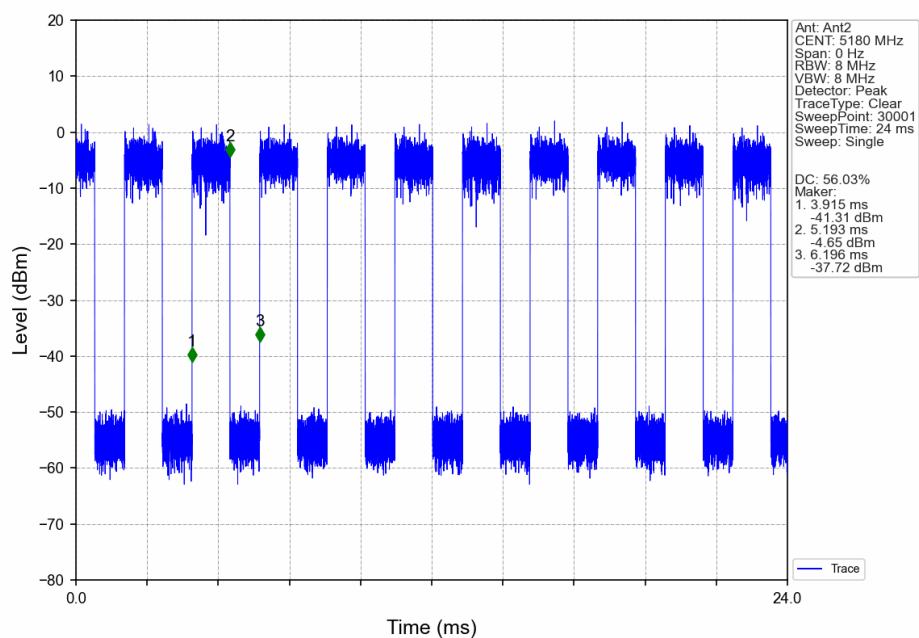
802.11n(HT40)_LCH_5190MHz_Ant2_NTNV



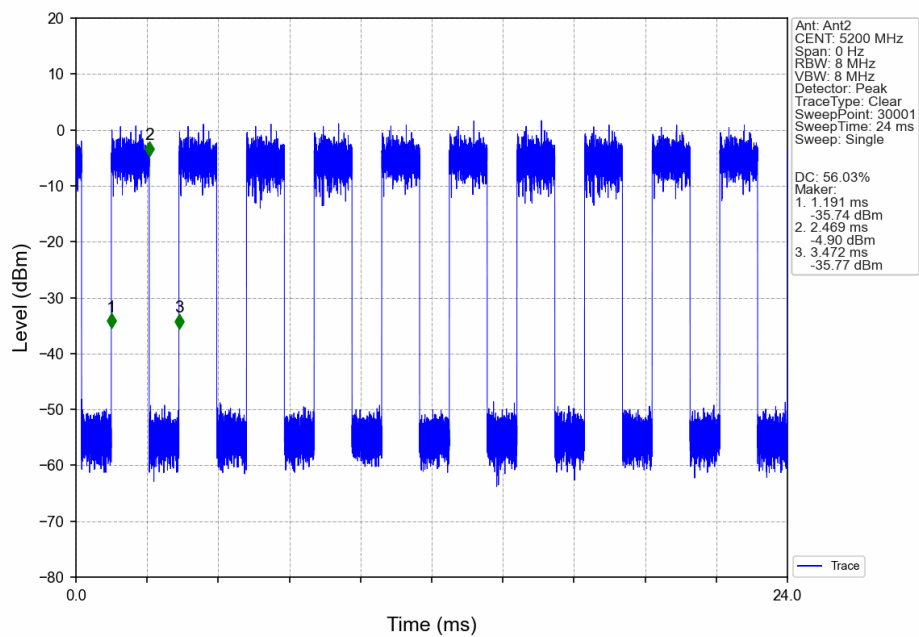
802.11n(HT40)_HCH_5230MHz_Ant2_NTNV



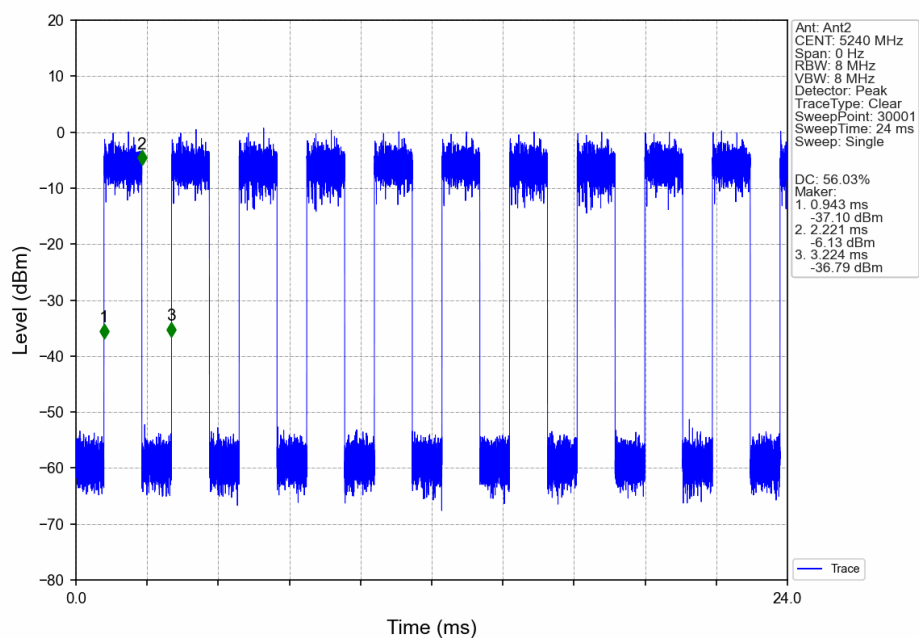
802.11ac(VHT20)_LCH_5180MHz_Ant2_NTNV



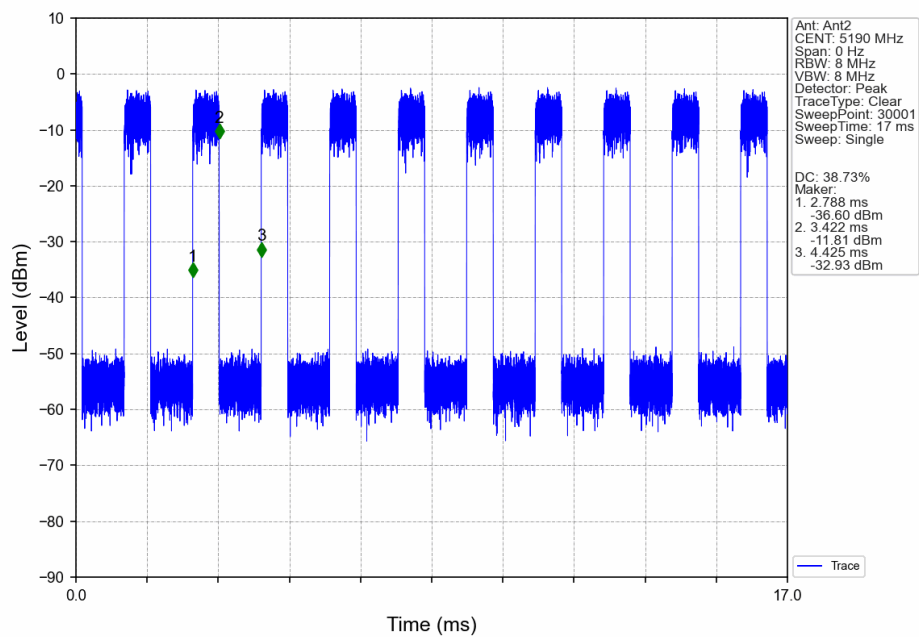
802.11ac(VHT20)_MCH_5200MHz_Ant2_NTNV



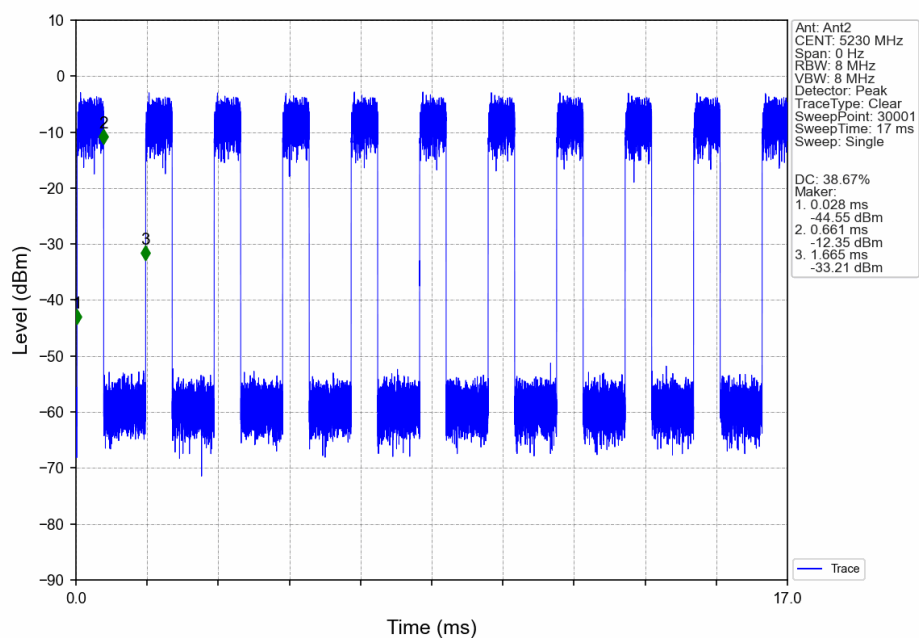
802.11ac(VHT20)_HCH_5240MHz_Ant2_NTNV



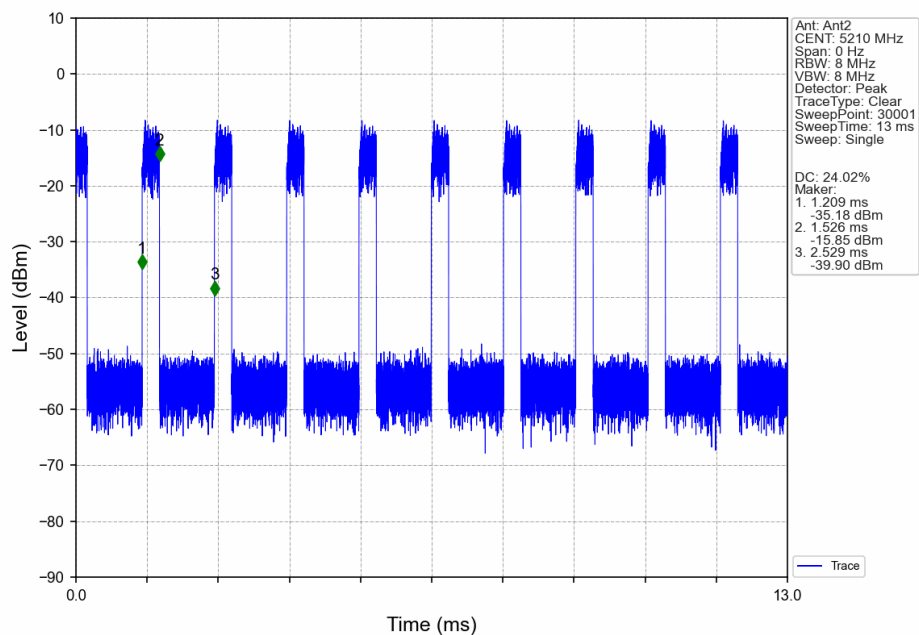
802.11ac(VHT40)_LCH_5190MHz_Ant2_NTNV



802.11ac(VHT40)_HCH_5230MHz_Ant2_NTNV



802.11ac(VHT80)_MCH_5210MHz_Ant2_NTNV



2. Bandwidth

2.1 Test Result

2.1.1 OBW

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5180	1	17.429	/	Pass
			2	17.437	/	Pass
		5200	1	17.458	/	Pass
			2	17.478	/	Pass
		5240	1	17.456	/	Pass
			2	17.446	/	Pass
802.11n (HT20)	SISO	5180	1	18.317	/	Pass
			2	18.298	/	Pass
		5200	1	18.367	/	Pass
			2	18.340	/	Pass
		5240	1	18.349	/	Pass
			2	18.360	/	Pass
802.11n (HT40)	SISO	5190	1	37.079	/	Pass
			2	37.061	/	Pass
		5230	1	37.061	/	Pass
			2	37.101	/	Pass
802.11ac (VHT20)	SISO	5180	1	18.376	/	Pass
			2	18.308	/	Pass
		5200	1	18.405	/	Pass
			2	18.400	/	Pass
		5240	1	18.414	/	Pass
			2	18.408	/	Pass
802.11ac (VHT40)	SISO	5190	1	37.068	/	Pass
			2	37.083	/	Pass
		5230	1	37.114	/	Pass
			2	37.090	/	Pass
802.11ac (VHT80)	SISO	5210	1	76.354	/	Pass
			2	76.284	/	Pass

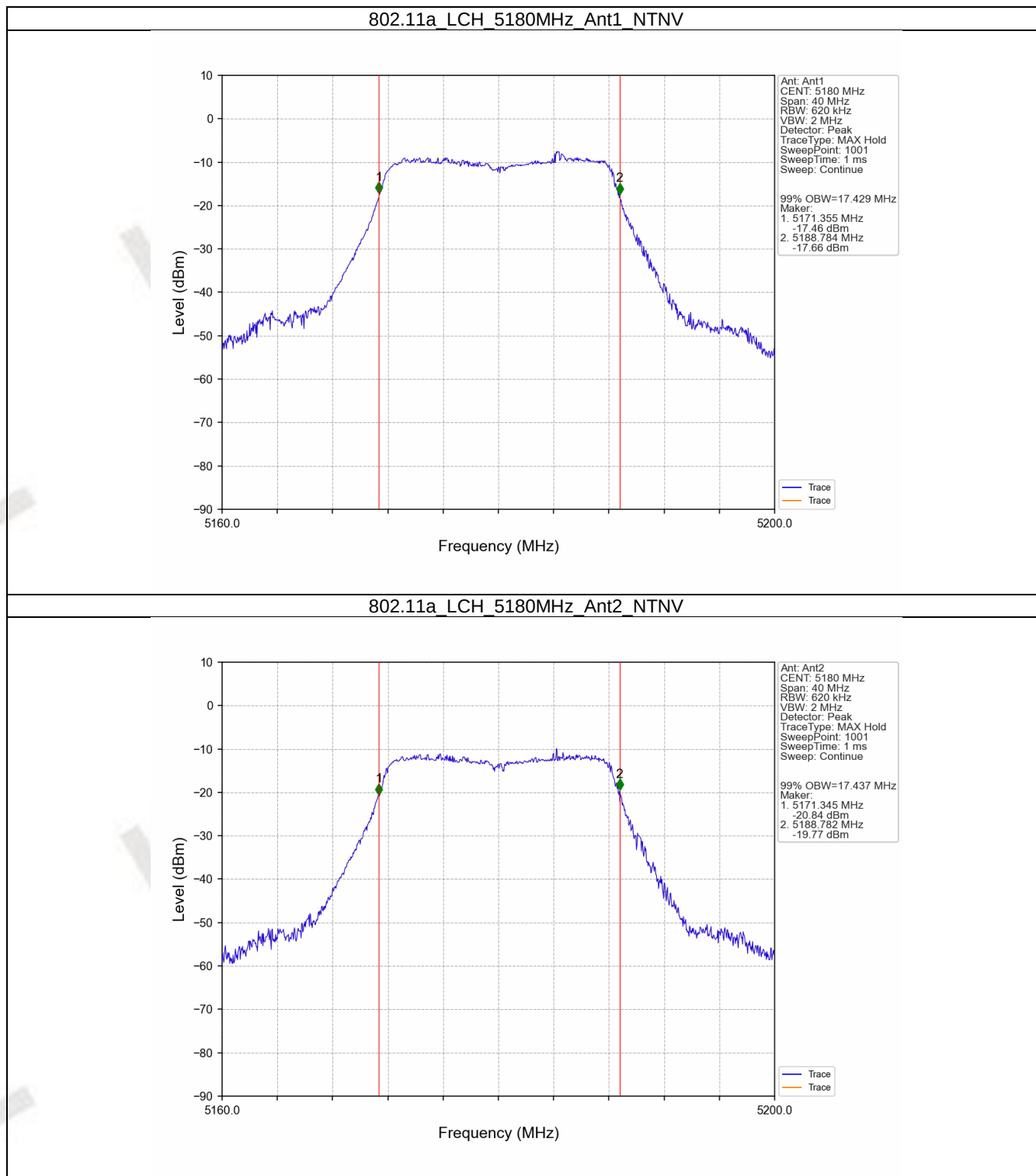
2.1.2 26dB BW

Mode	TX Type	Frequency (MHz)	ANT	26dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5180	1	20.518	/	Pass
			2	20.339	/	Pass
		5200	1	20.374	/	Pass
			2	20.655	/	Pass
		5240	1	20.679	/	Pass
			2	20.329	/	Pass
802.11n (HT20)	SISO	5180	1	20.986	/	Pass
			2	20.899	/	Pass
		5200	1	20.908	/	Pass
			2	20.980	/	Pass
		5240	1	20.950	/	Pass
			2	20.891	/	Pass
802.11n (HT40)	SISO	5190	1	42.108	/	Pass
			2	42.182	/	Pass
		5230	1	42.308	/	Pass
			2	42.036	/	Pass
802.11ac (VHT20)	SISO	5180	1	20.873	/	Pass
			2	20.985	/	Pass

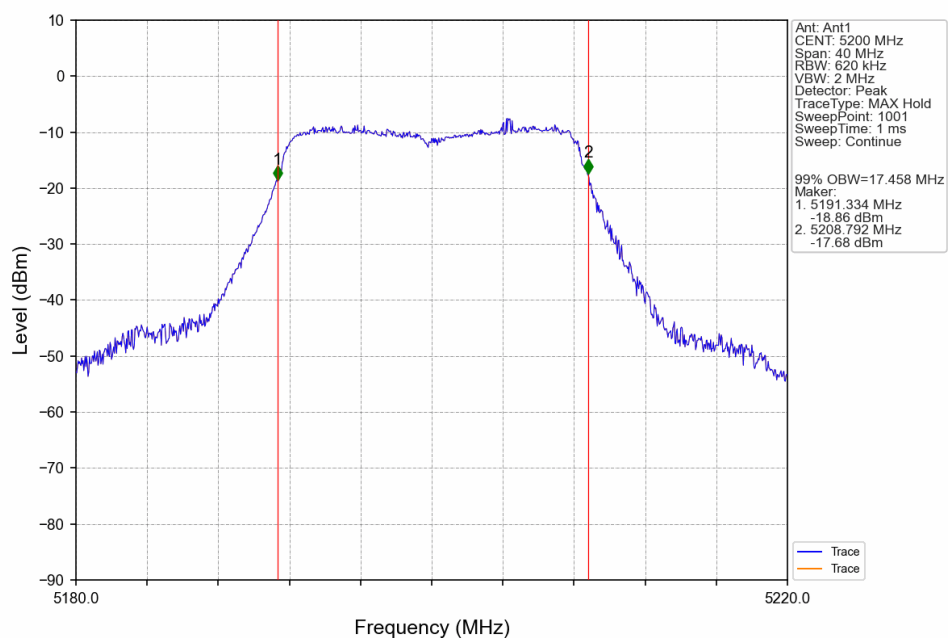
		5200	1	20.902	/	Pass
			2	21.078	/	Pass
		5240	1	20.902	/	Pass
			2	20.827	/	Pass
802.11ac (VHT40)	SISO	5190	1	42.107	/	Pass
			2	42.377	/	Pass
		5230	1	42.164	/	Pass
			2	42.049	/	Pass
802.11ac (VHT80)	SISO	5210	1	81.649	/	Pass
			2	81.376	/	Pass

2.2 Test Graph

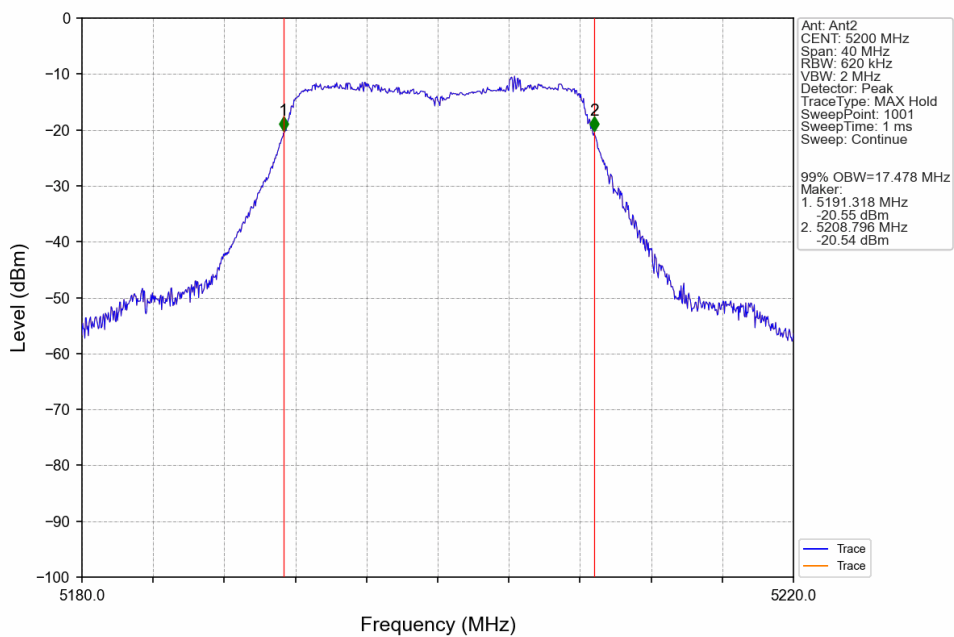
2.2.1 OBW



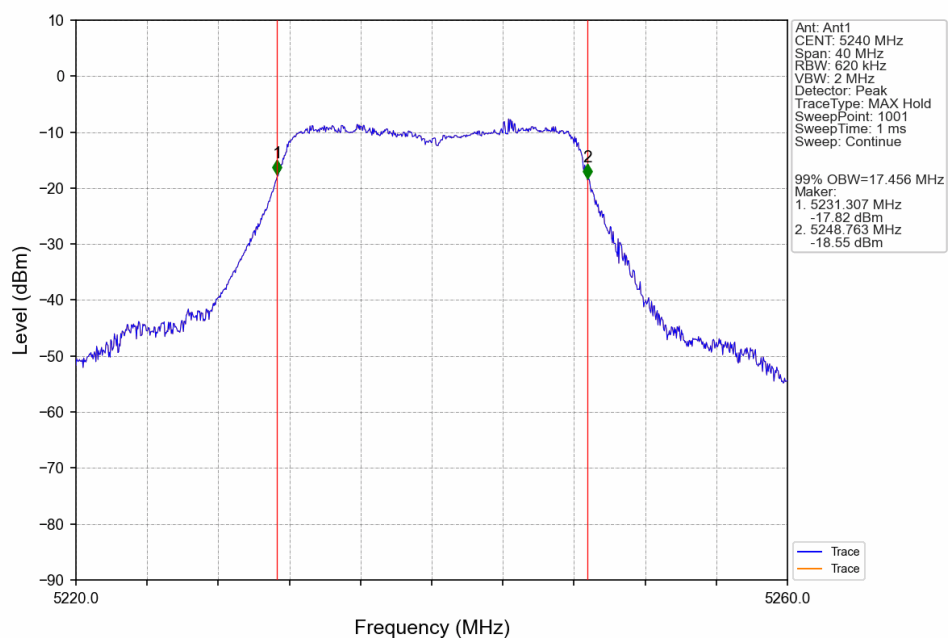
802.11a_MCH_5200MHz_Ant1_NTNV



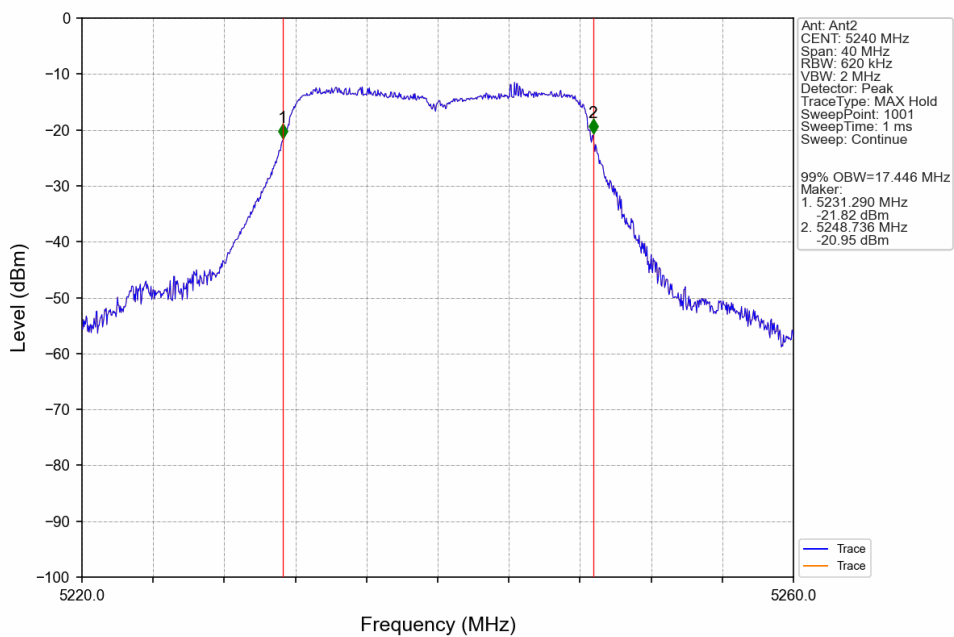
802.11a_MCH_5200MHz_Ant2_NTNV



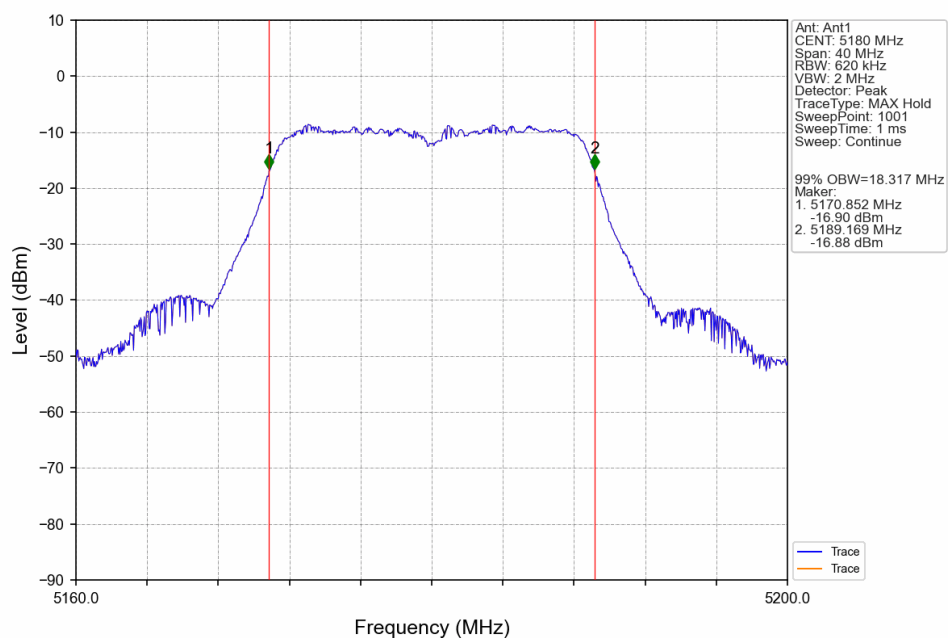
802.11a_HCH_5240MHz_Ant1_NTNV



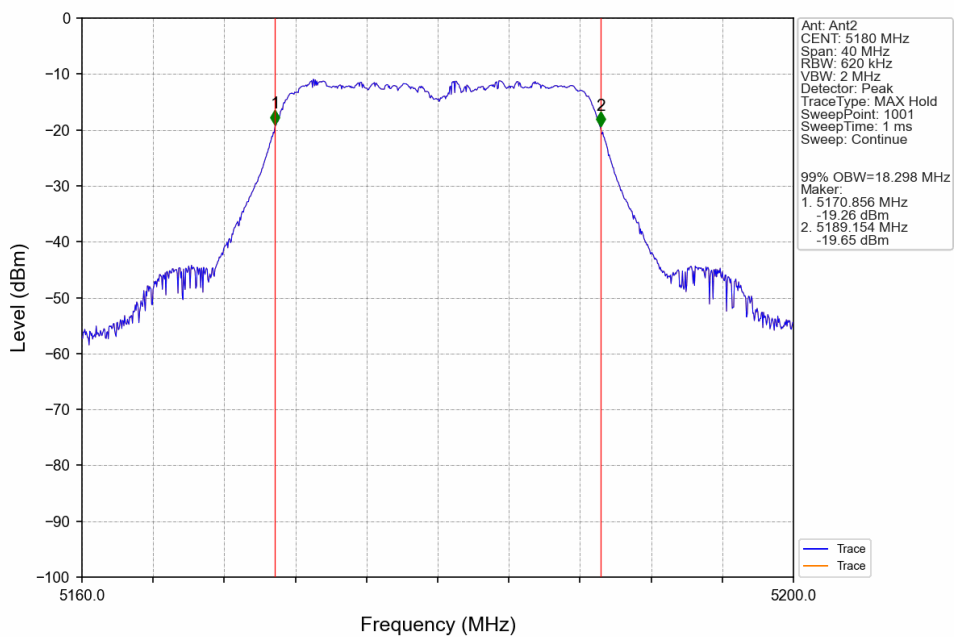
802.11a_HCH_5240MHz_Ant2_NTNV



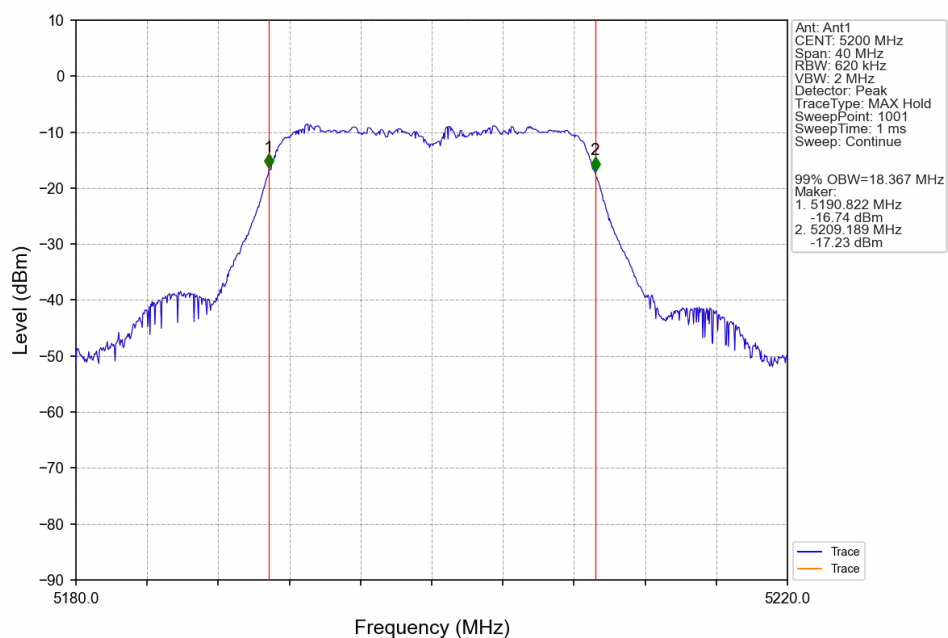
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



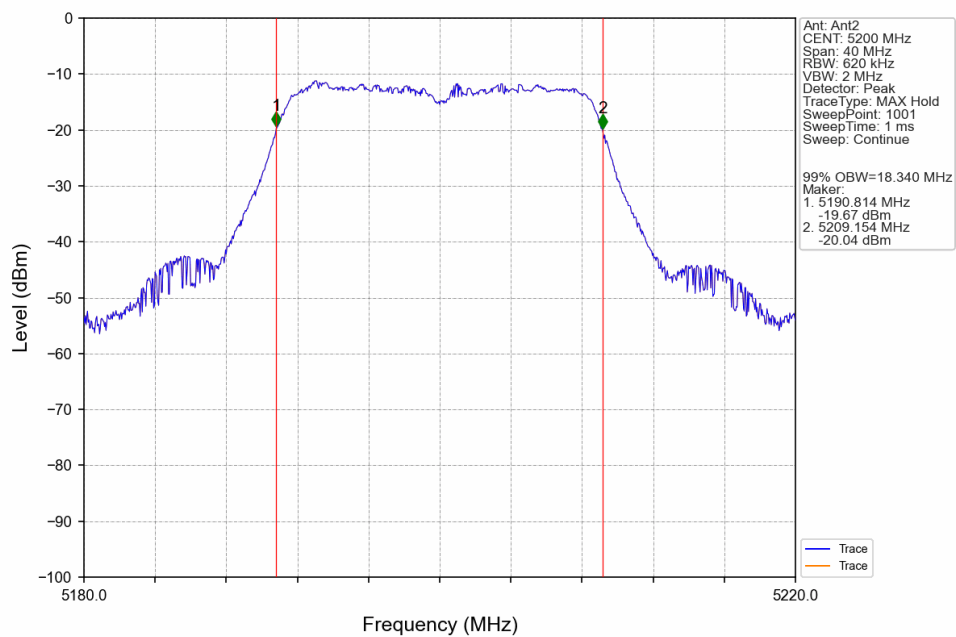
802.11n(HT20)_LCH_5180MHz_Ant2_NTNV



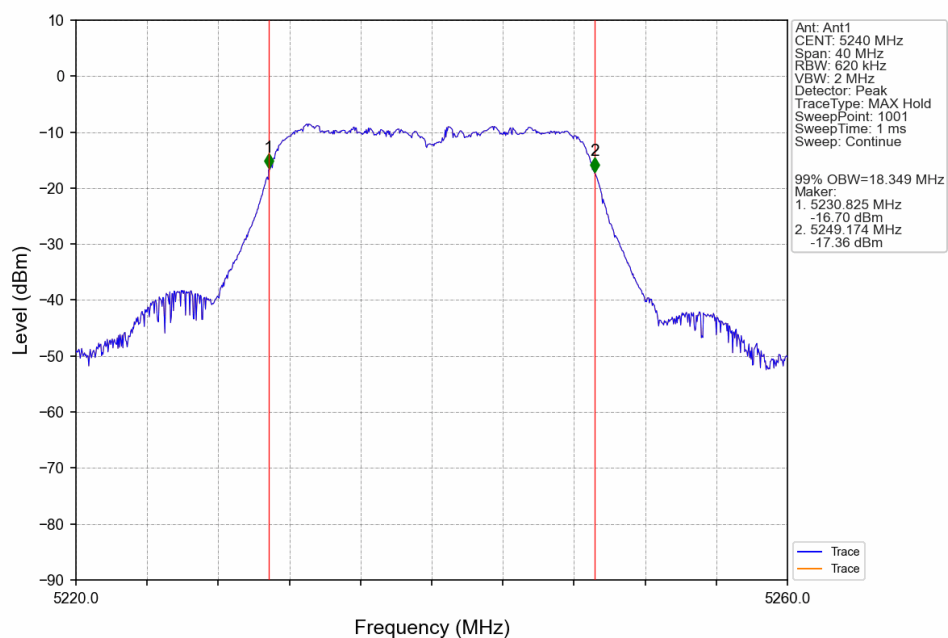
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



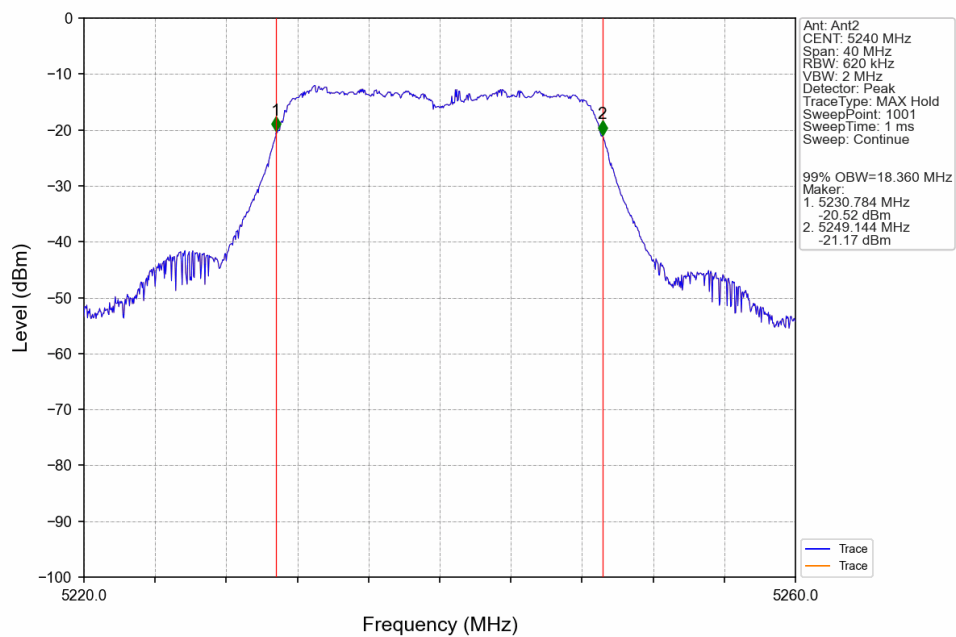
802.11n(HT20)_MCH_5200MHz_Ant2_NTNV



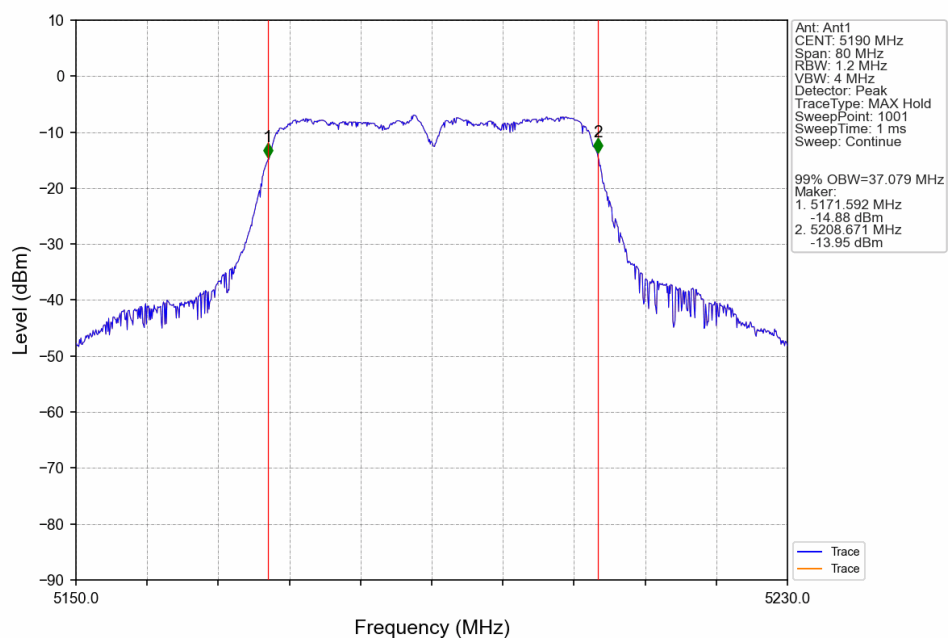
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



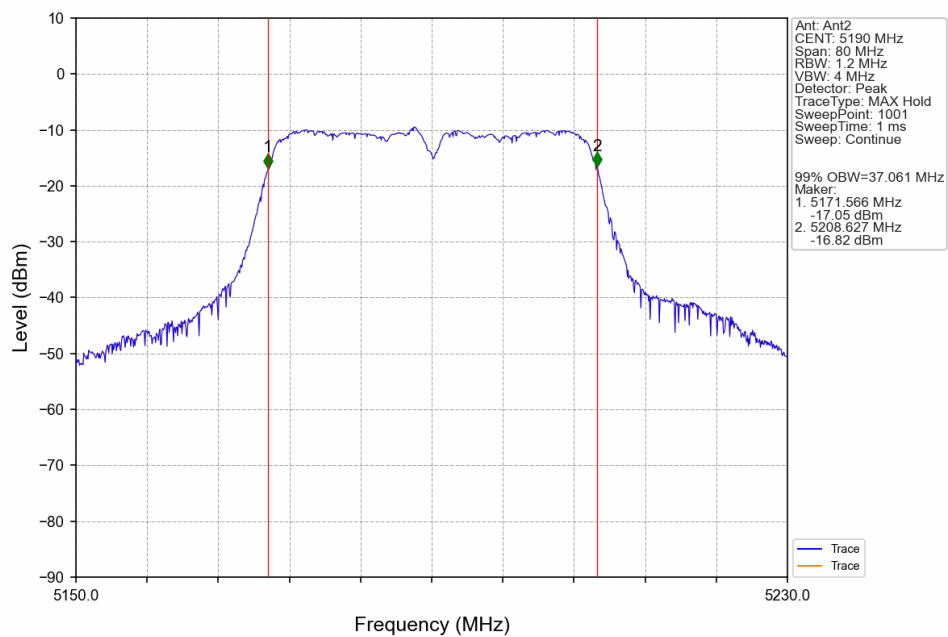
802.11n(HT20)_HCH_5240MHz_Ant2_NTNV



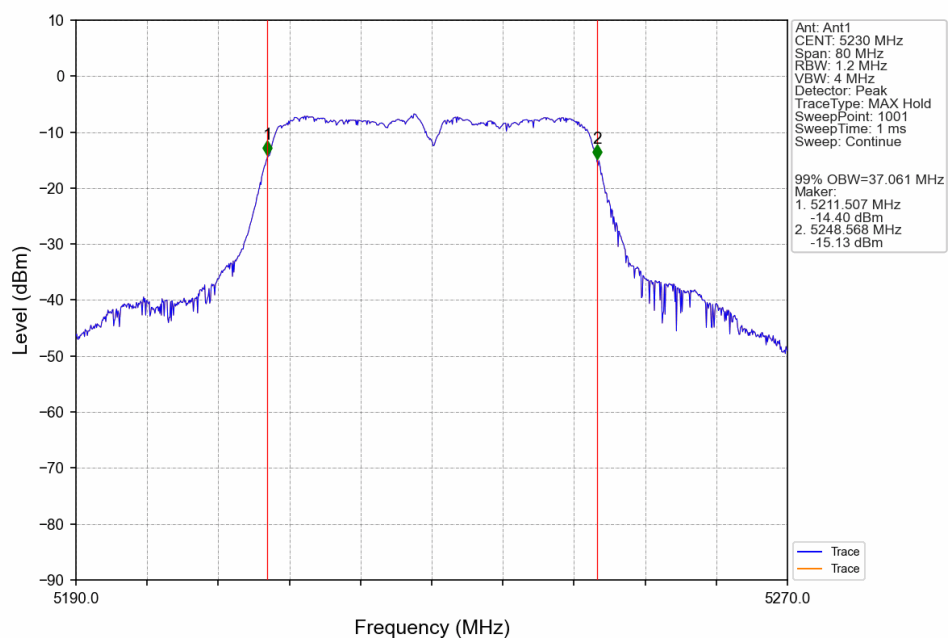
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



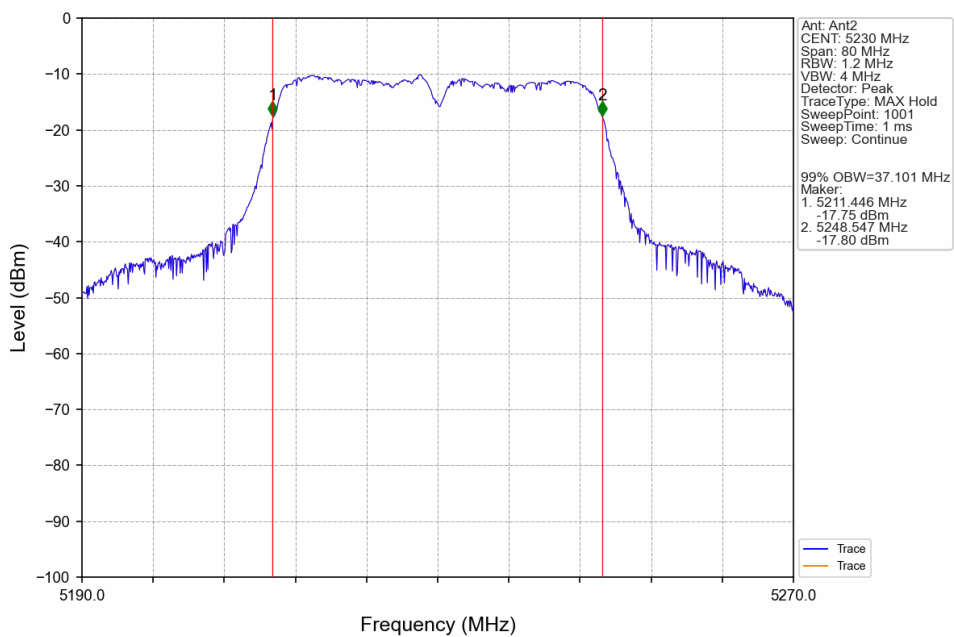
802.11n(HT40)_LCH_5190MHz_Ant2_NTNV



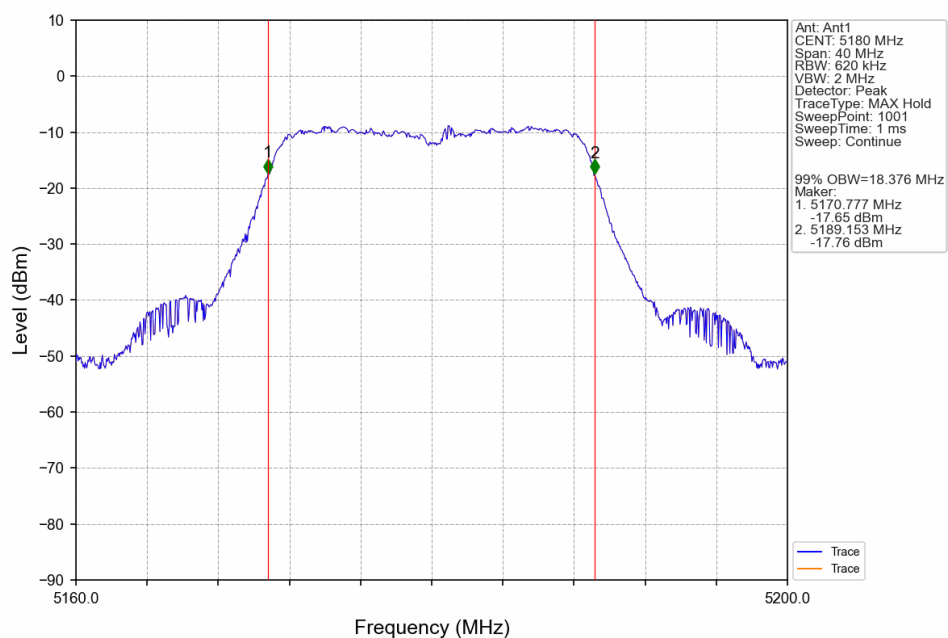
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



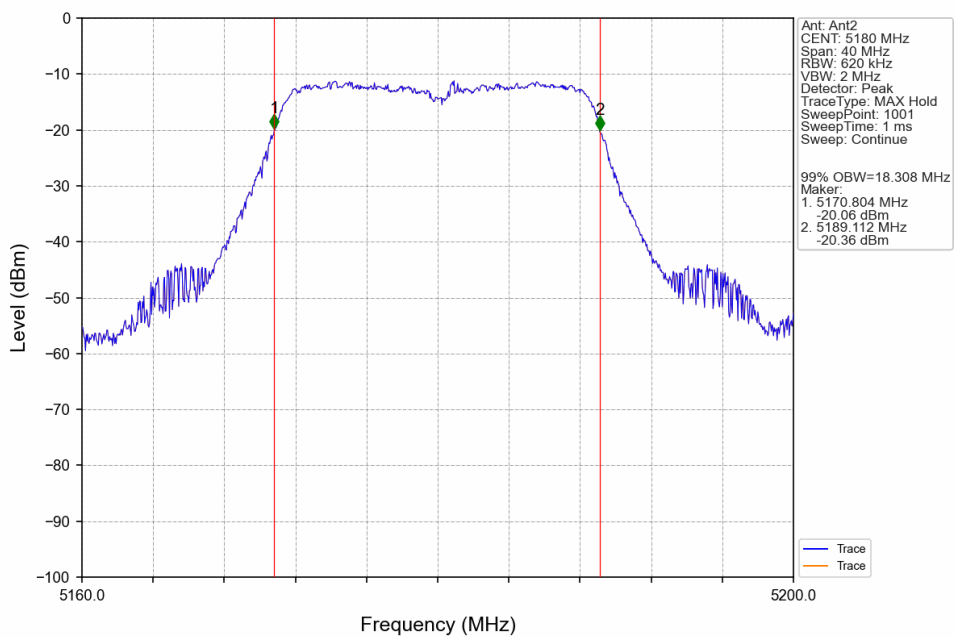
802.11n(HT40)_HCH_5230MHz_Ant2_NTNV



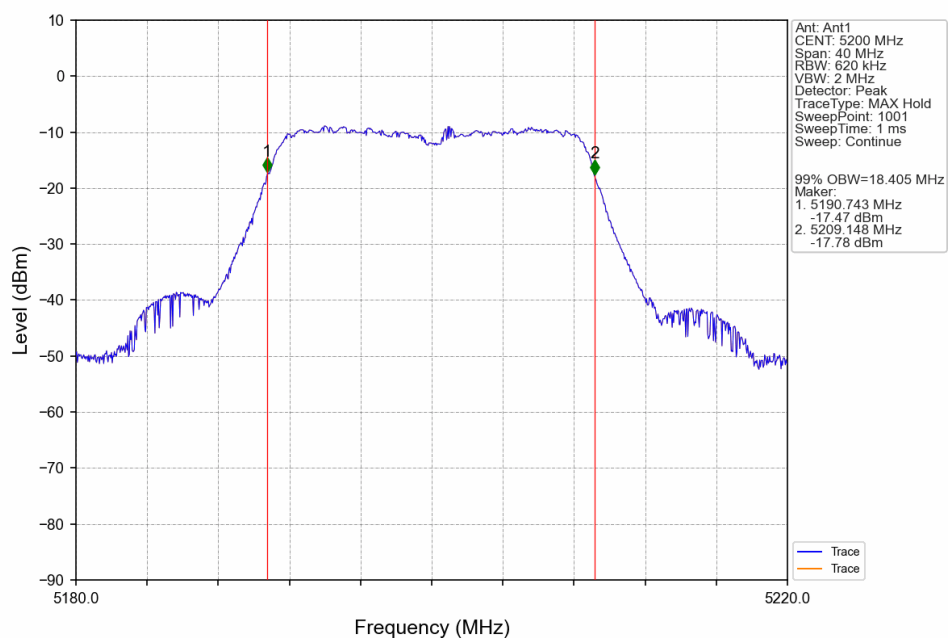
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



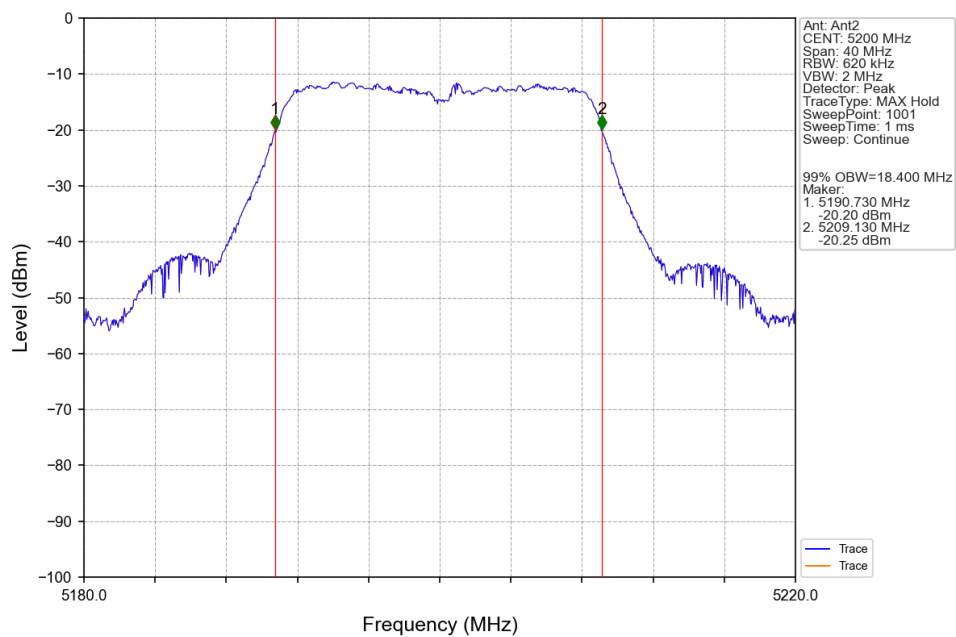
802.11ac(VHT20)_LCH_5180MHz_Ant2_NTNV



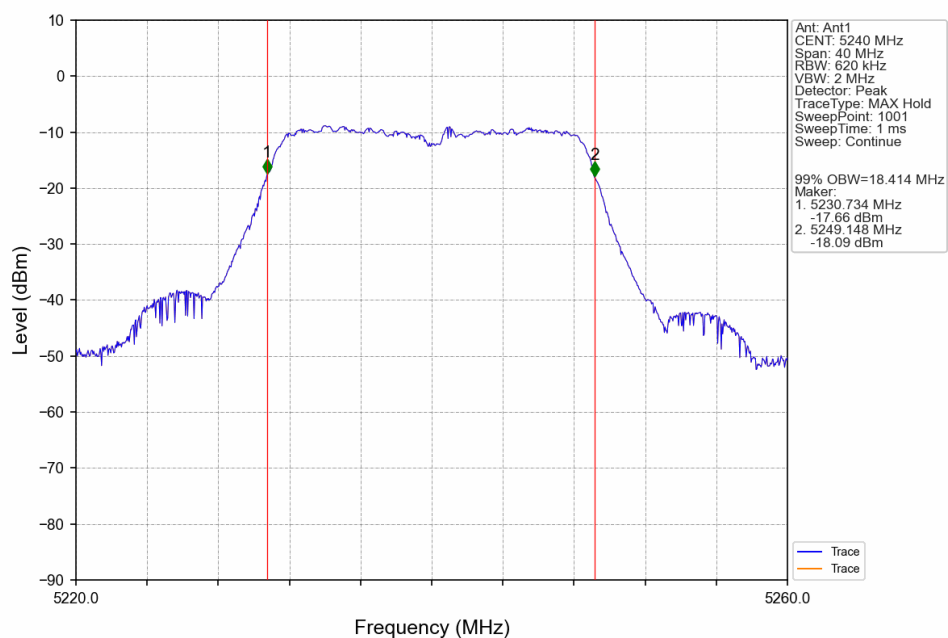
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



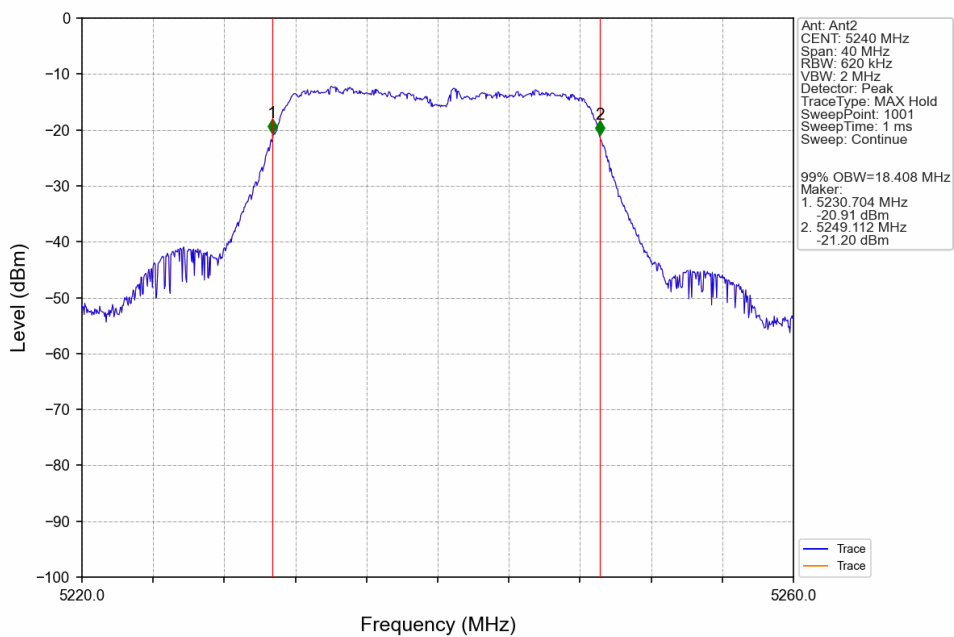
802.11ac(VHT20)_MCH_5200MHz_Ant2_NTNV



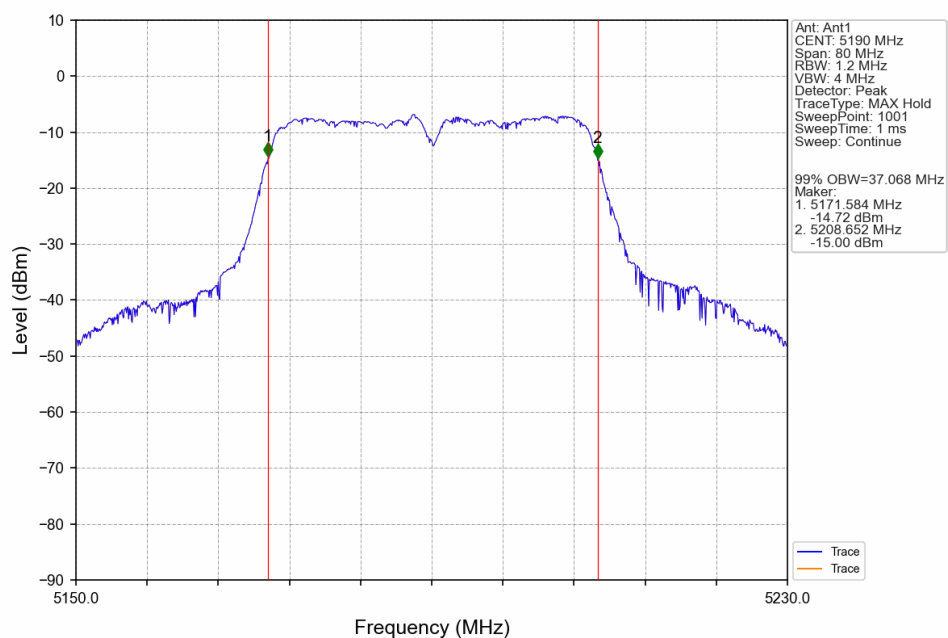
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



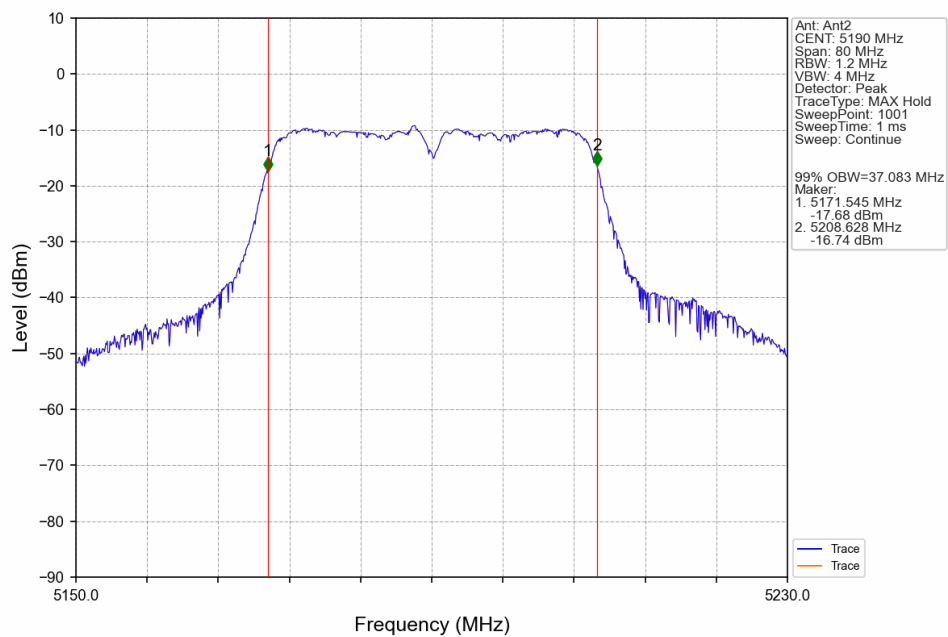
802.11ac(VHT20)_HCH_5240MHz_Ant2_NTNV



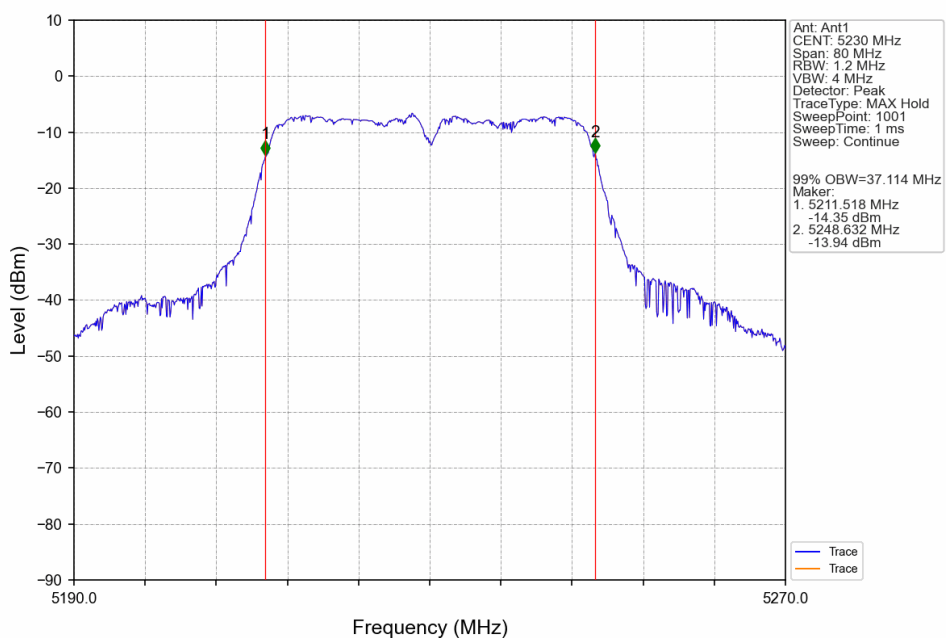
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



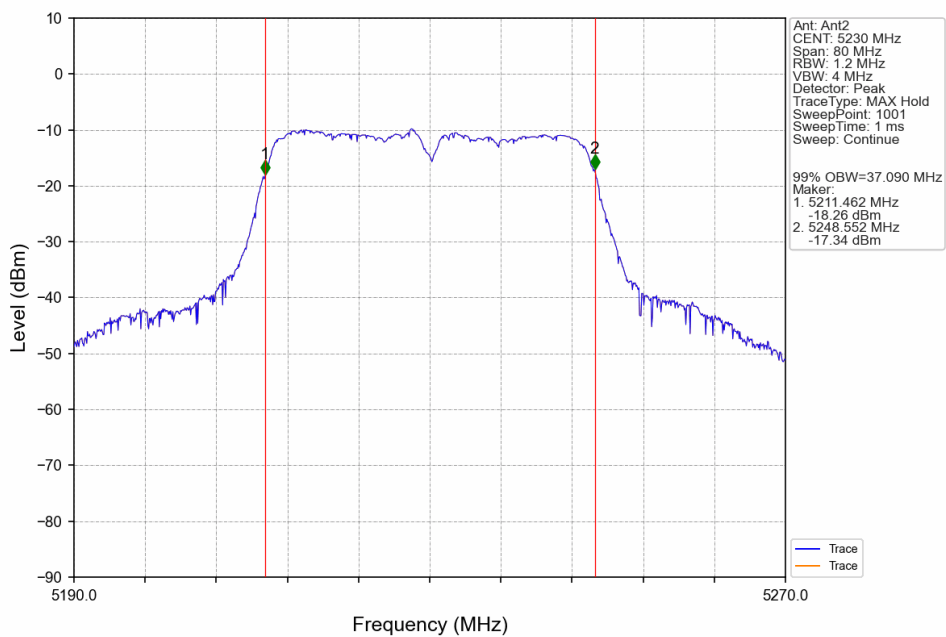
802.11ac(VHT40)_LCH_5190MHz_Ant2_NTNV



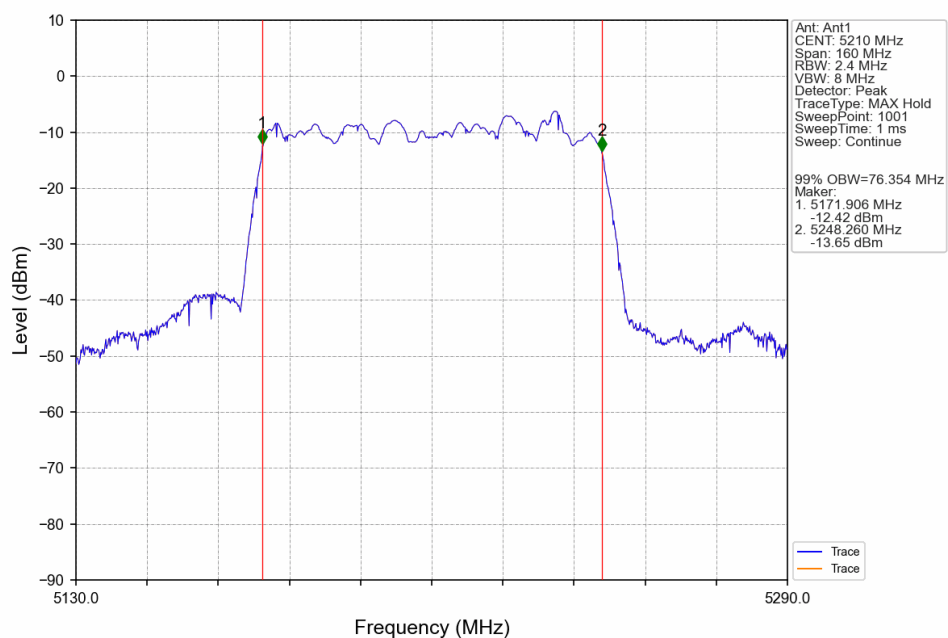
802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



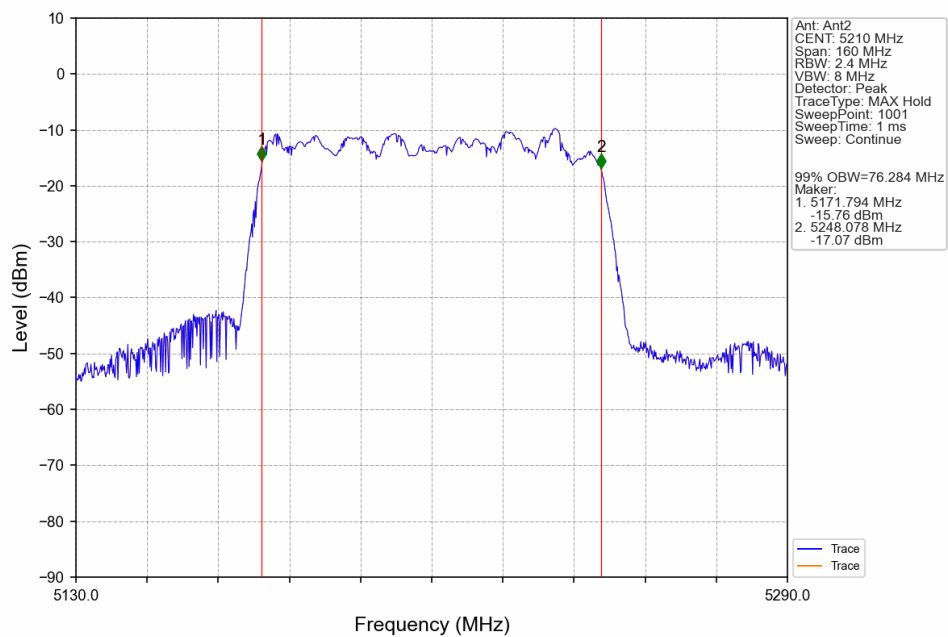
802.11ac(VHT40)_HCH_5230MHz_Ant2_NTNV



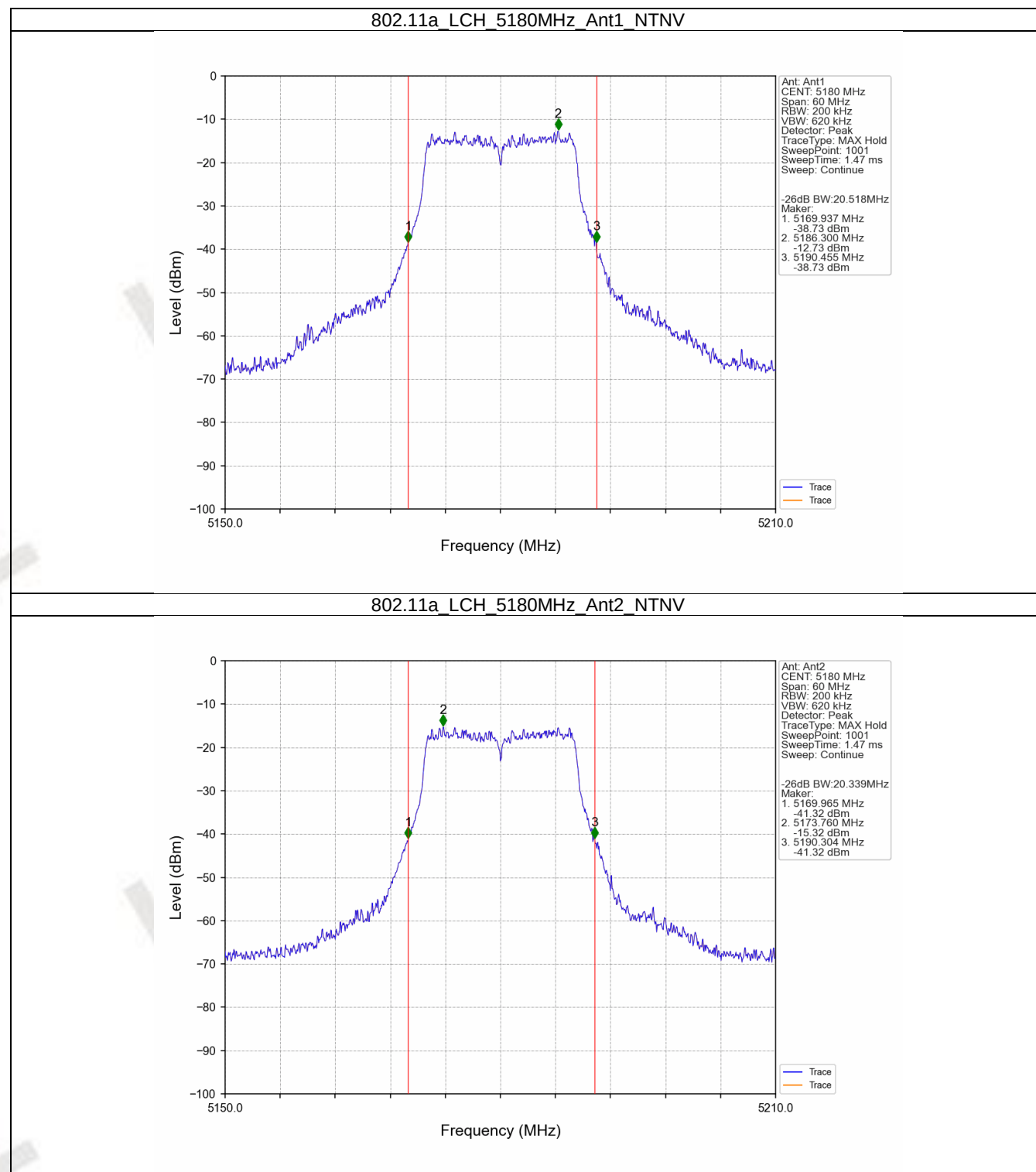
802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



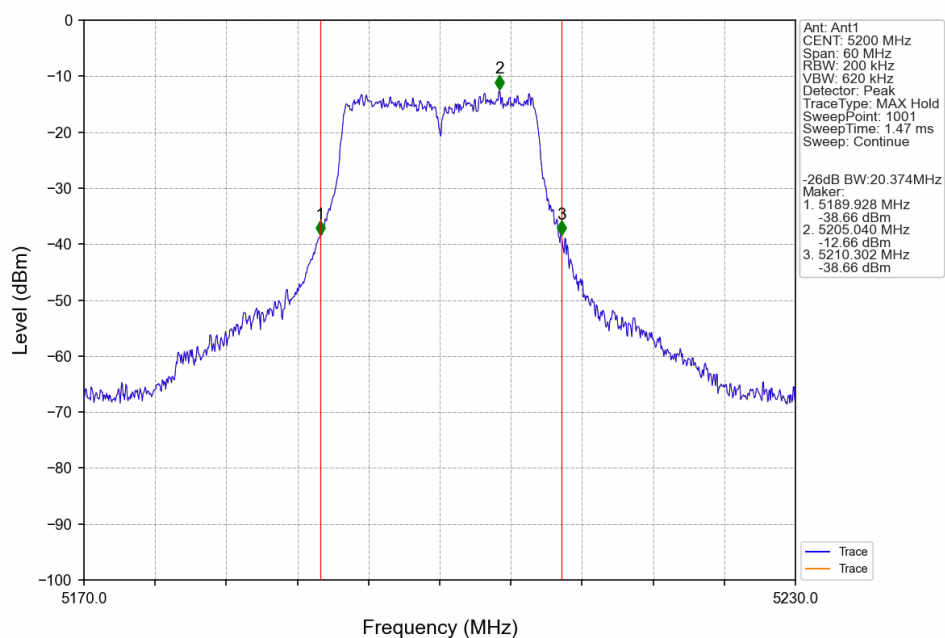
802.11ac(VHT80)_MCH_5210MHz_Ant2_NTNV



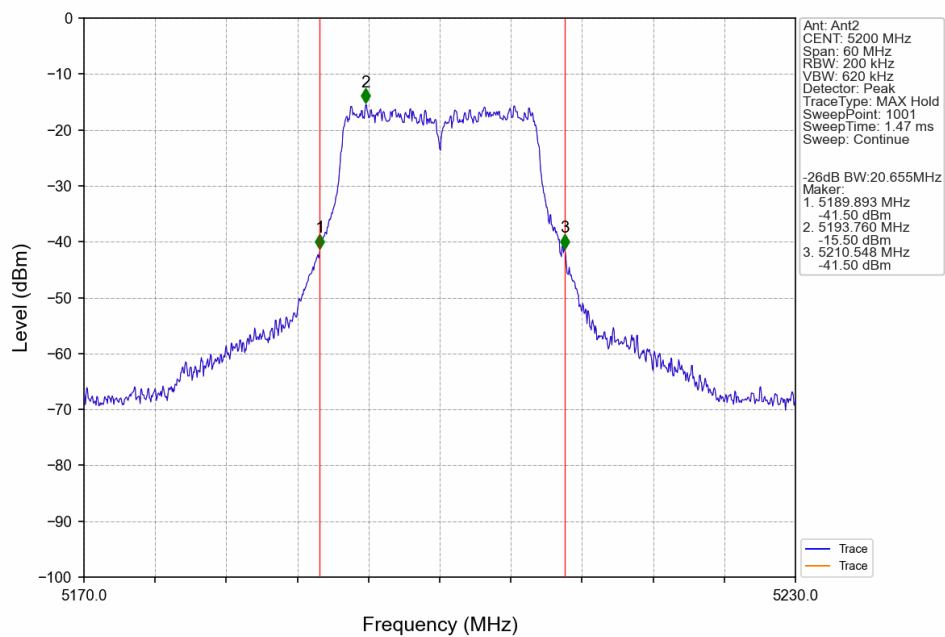
2.2.2 26dB BW



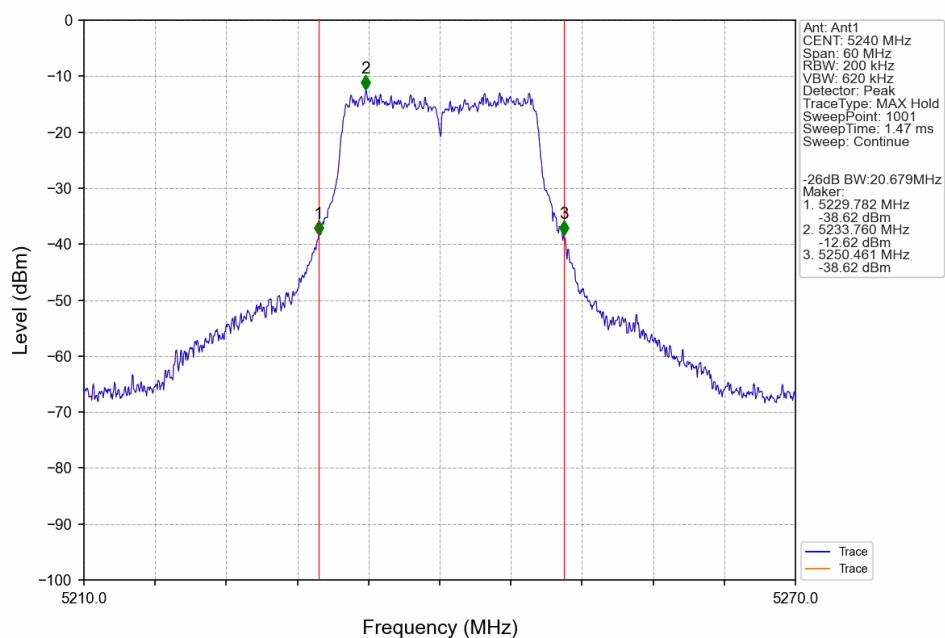
802.11a_MCH_5200MHz_Ant1_NTNV



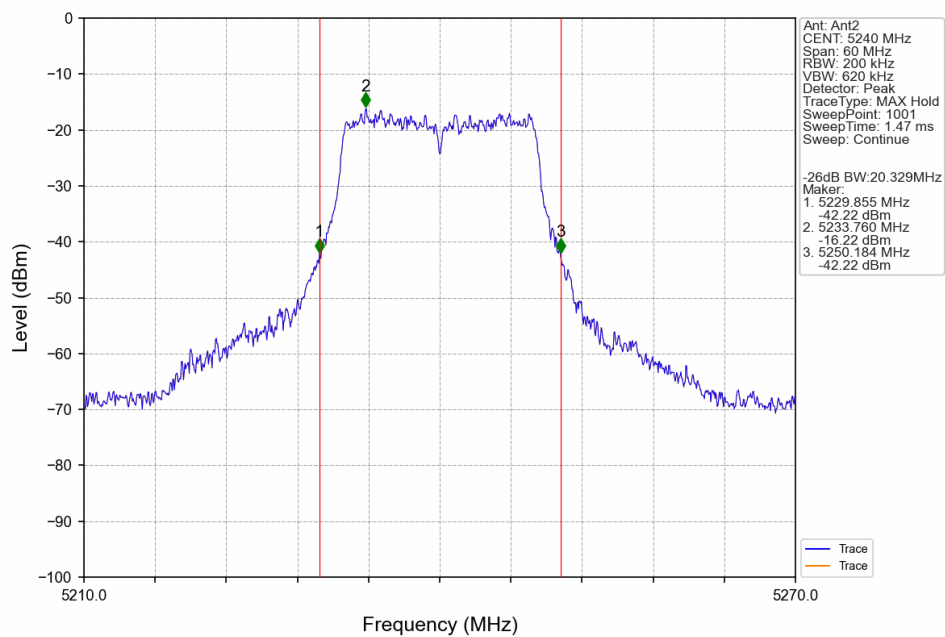
802.11a_MCH_5200MHz_Ant2_NTNV



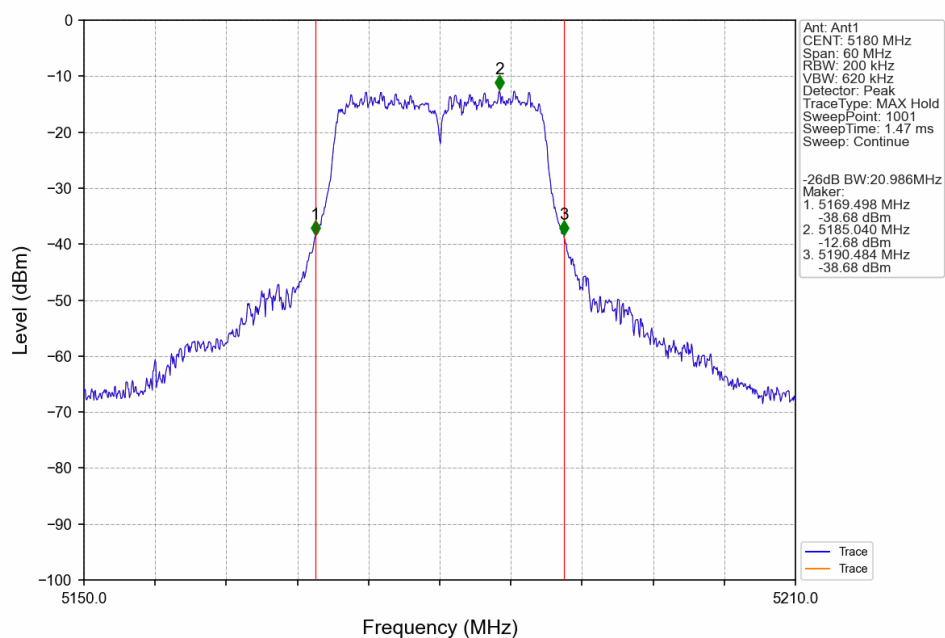
802.11a_HCH_5240MHz_Ant1_NTNV



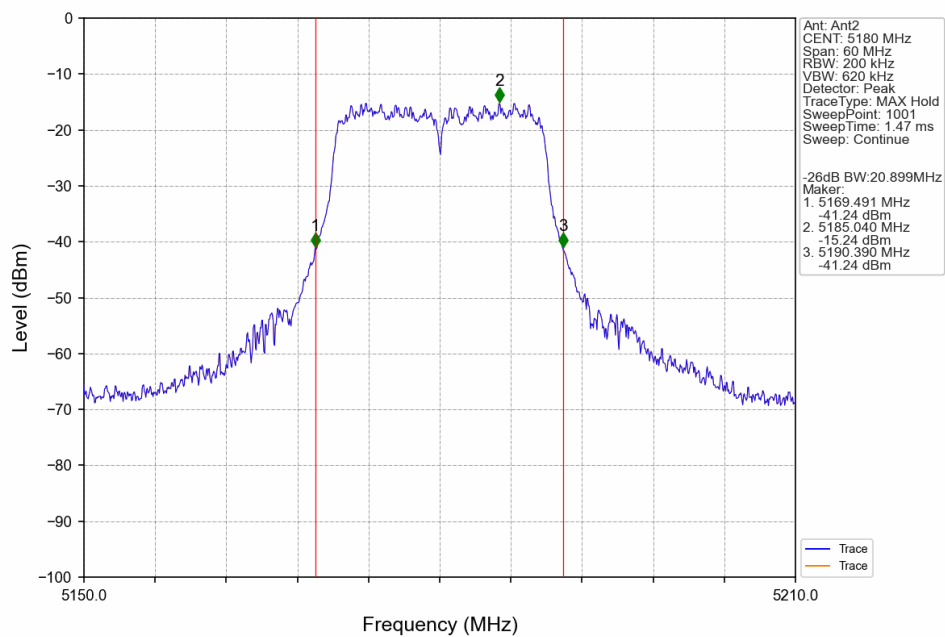
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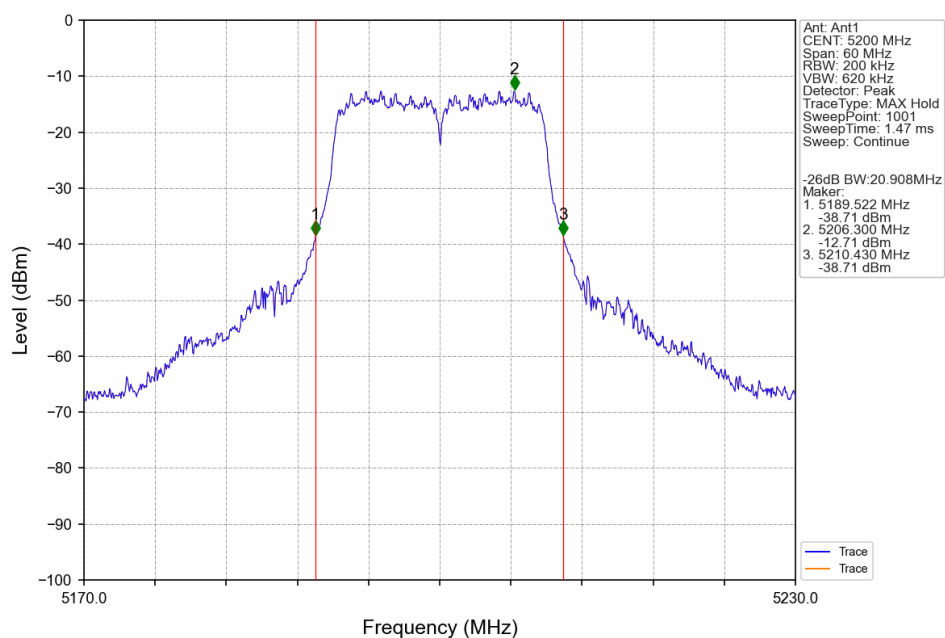
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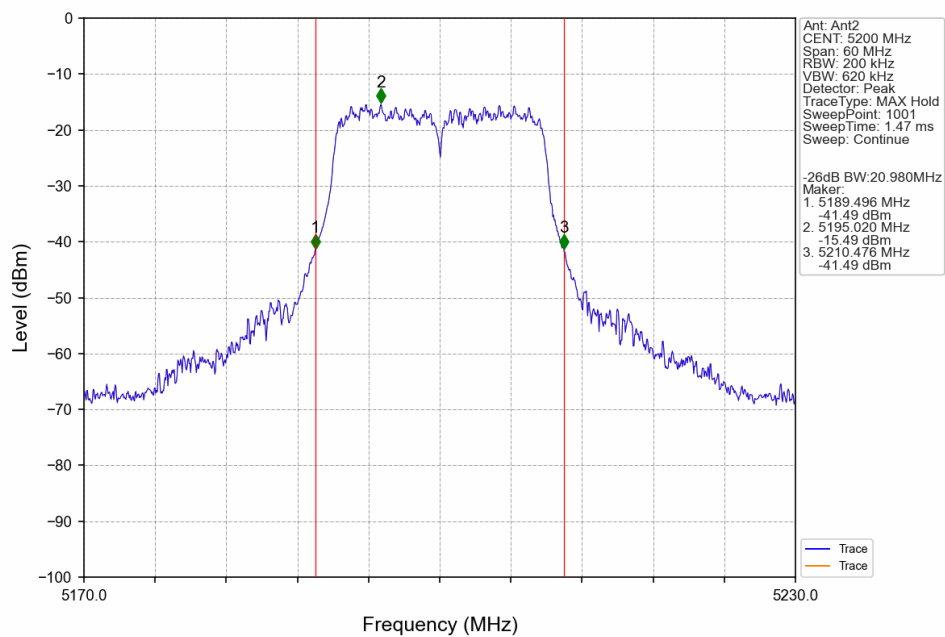
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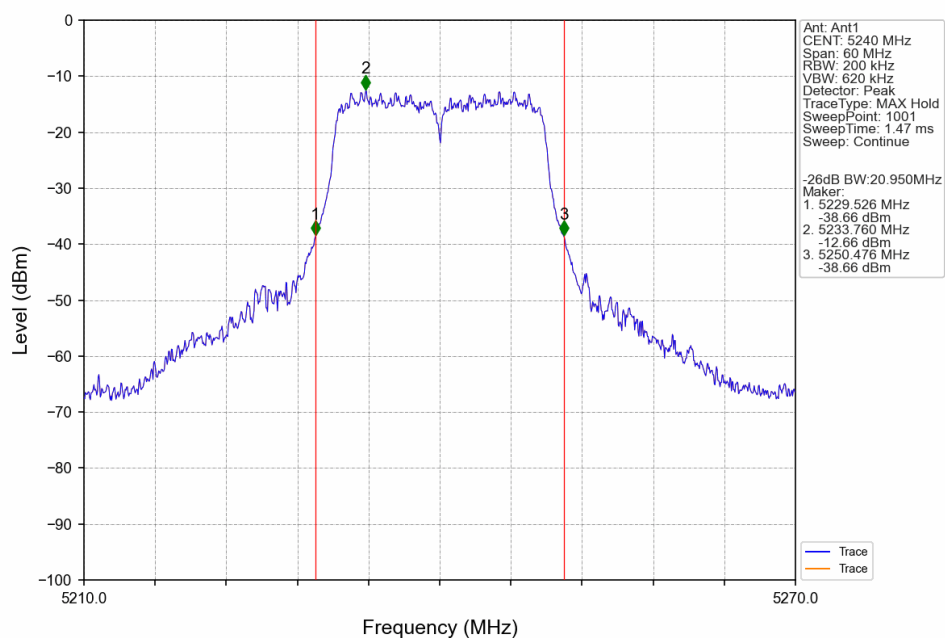
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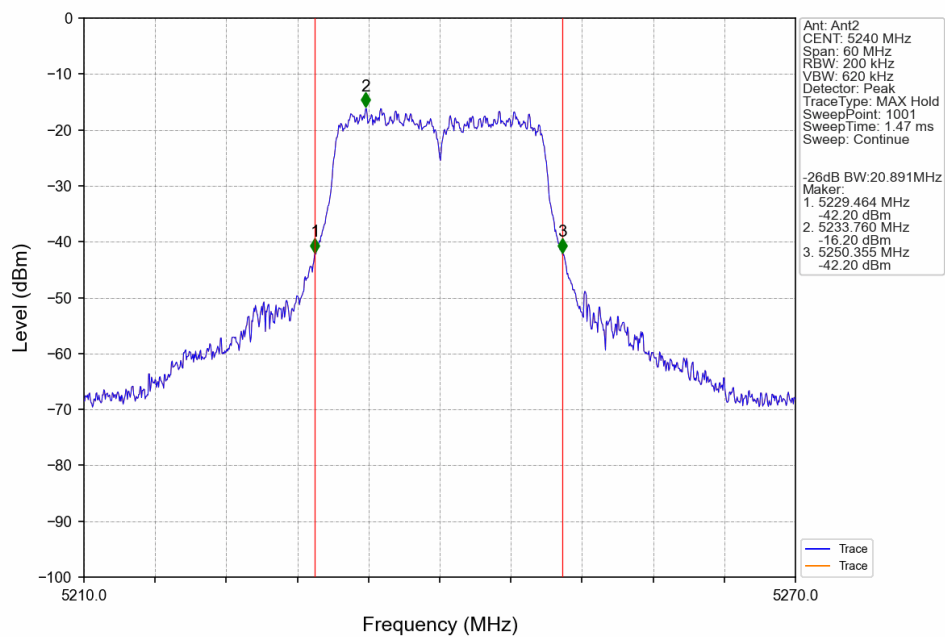
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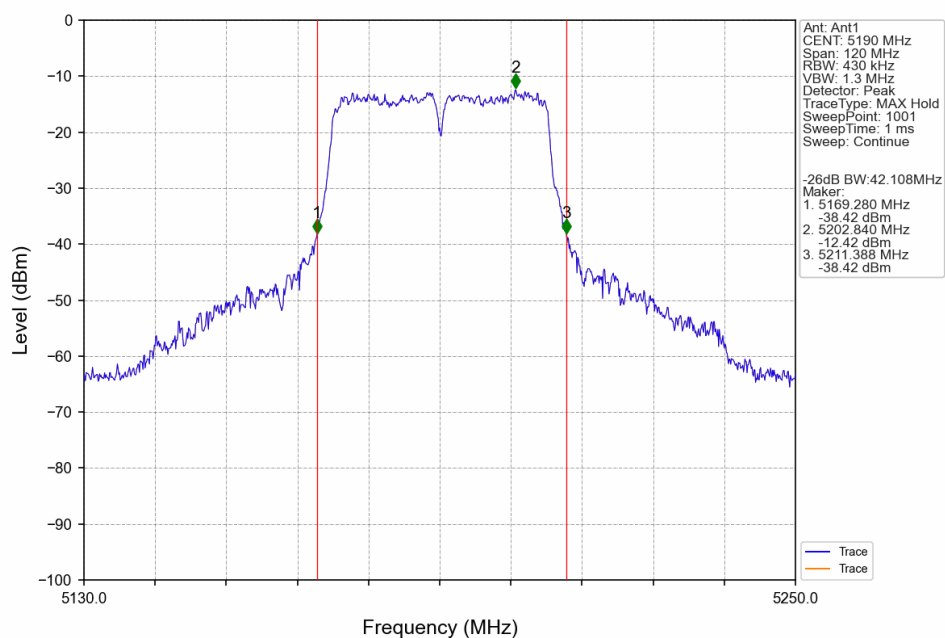
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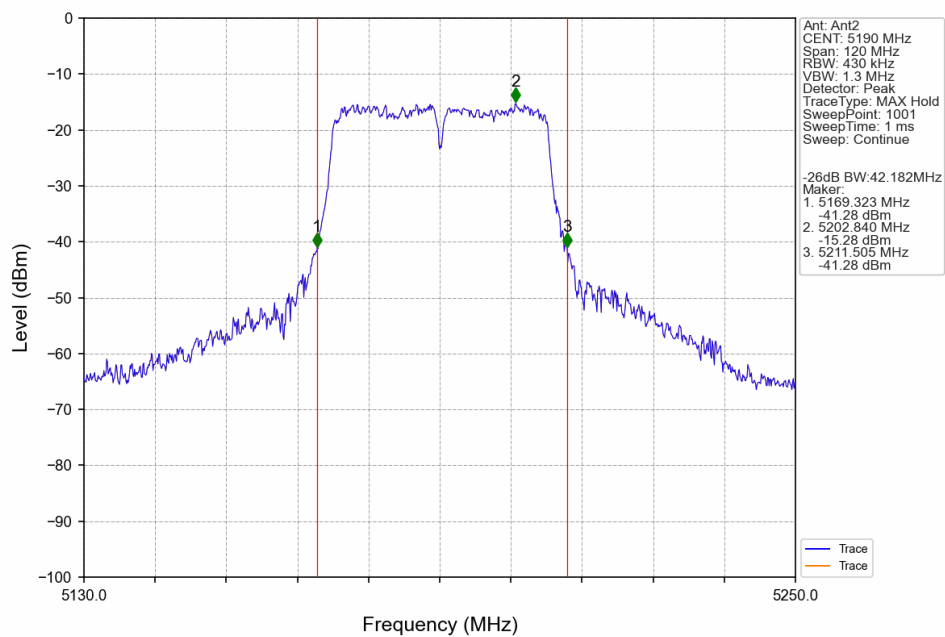
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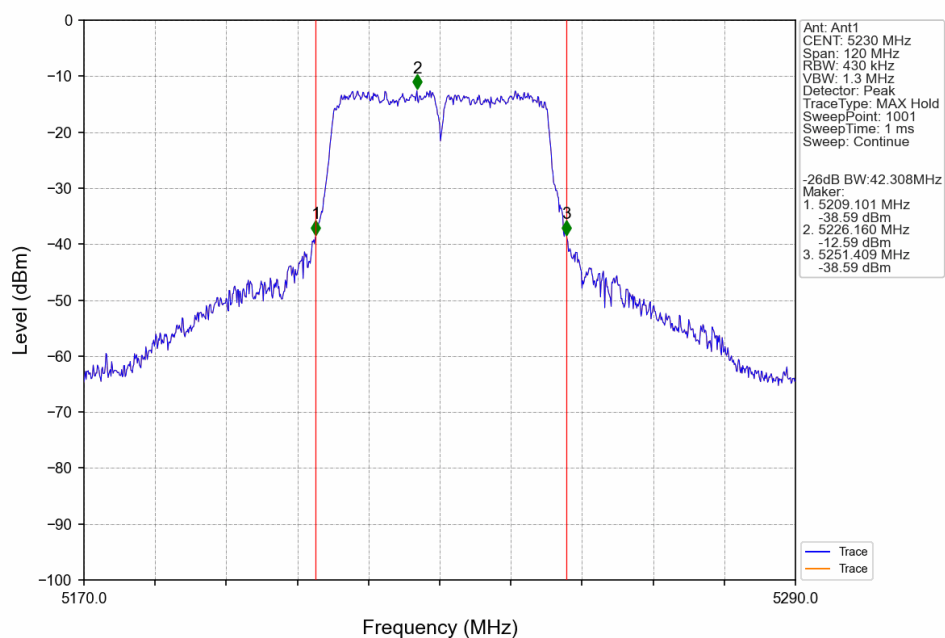
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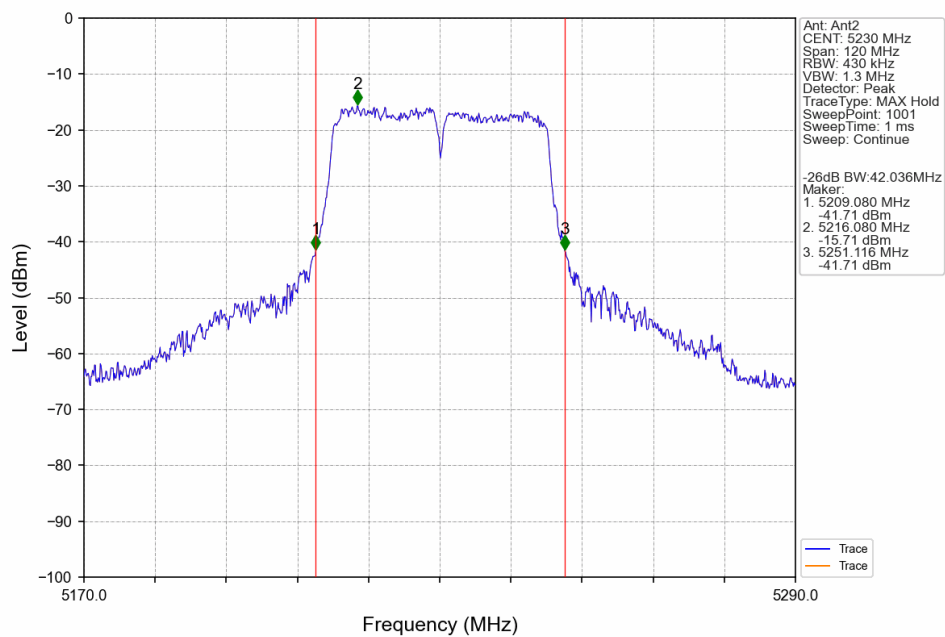
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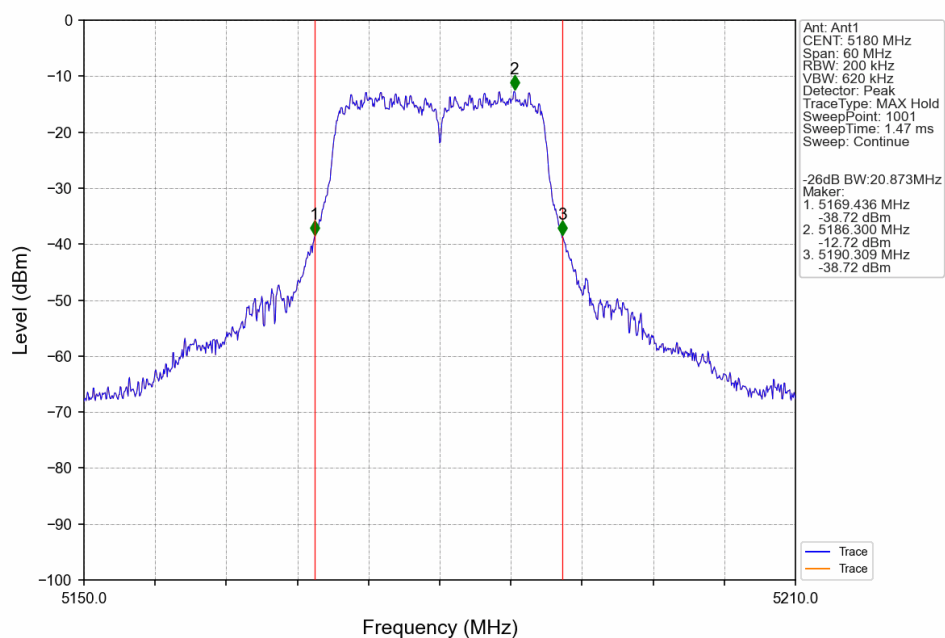
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



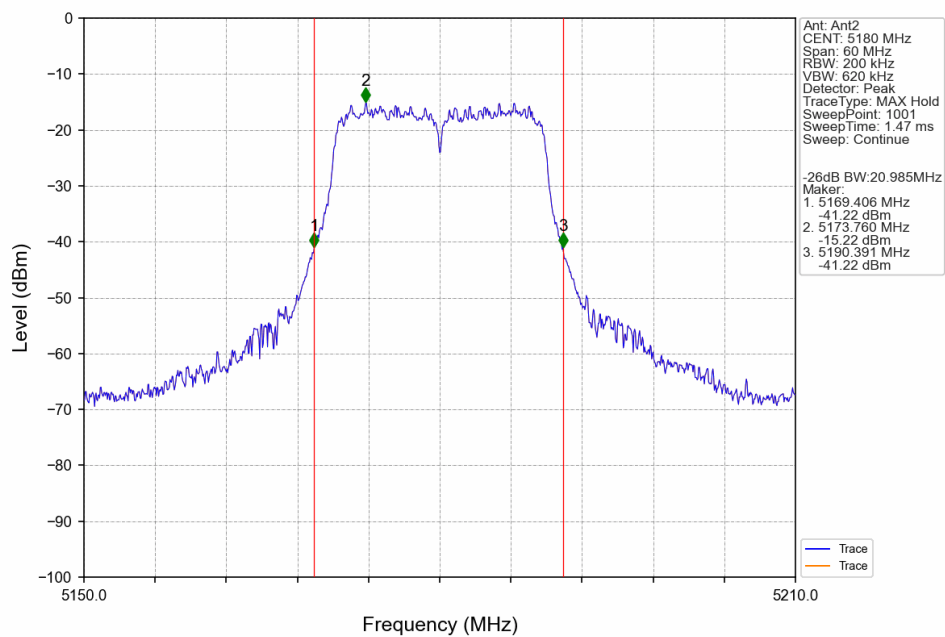
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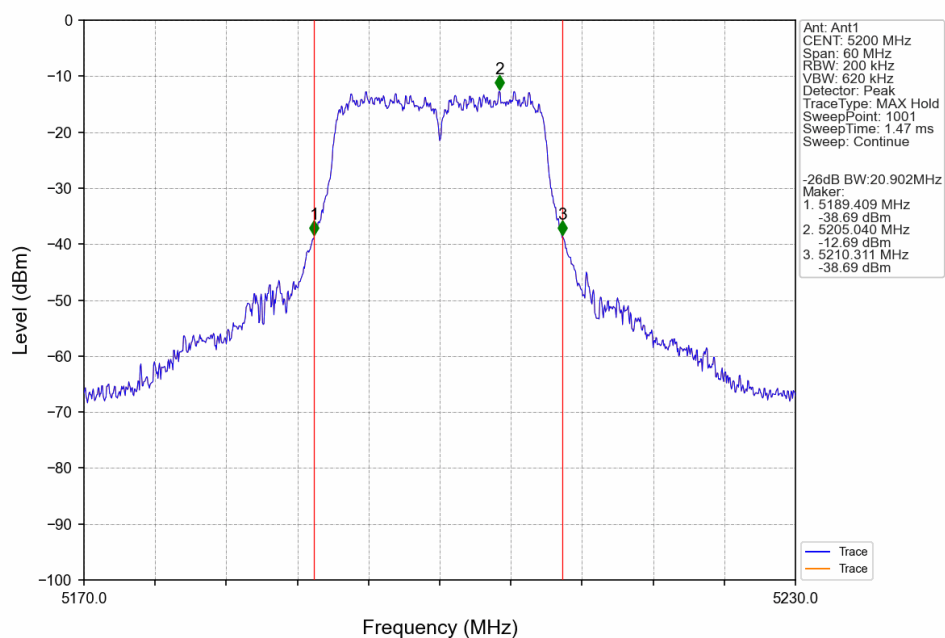
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



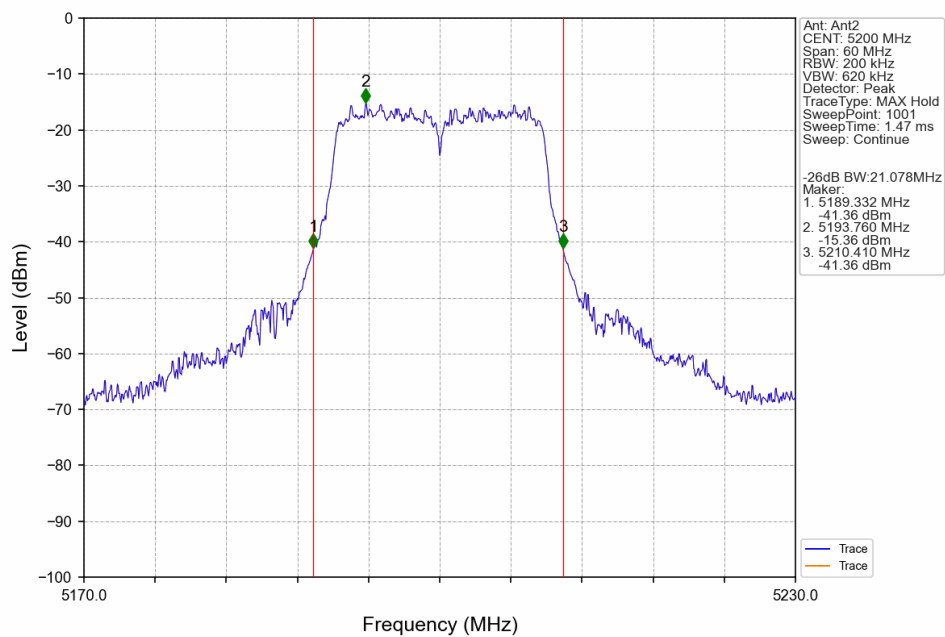
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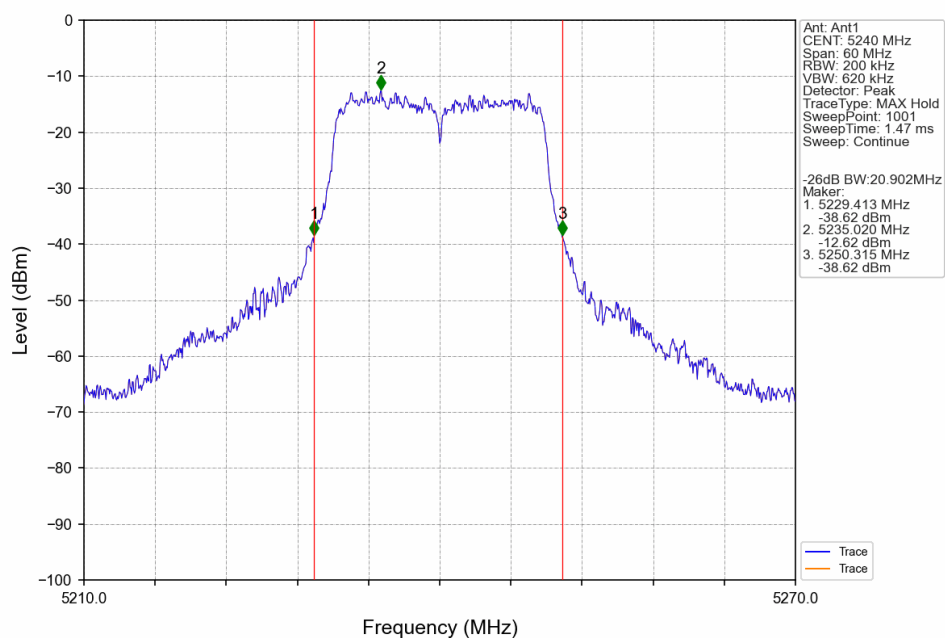
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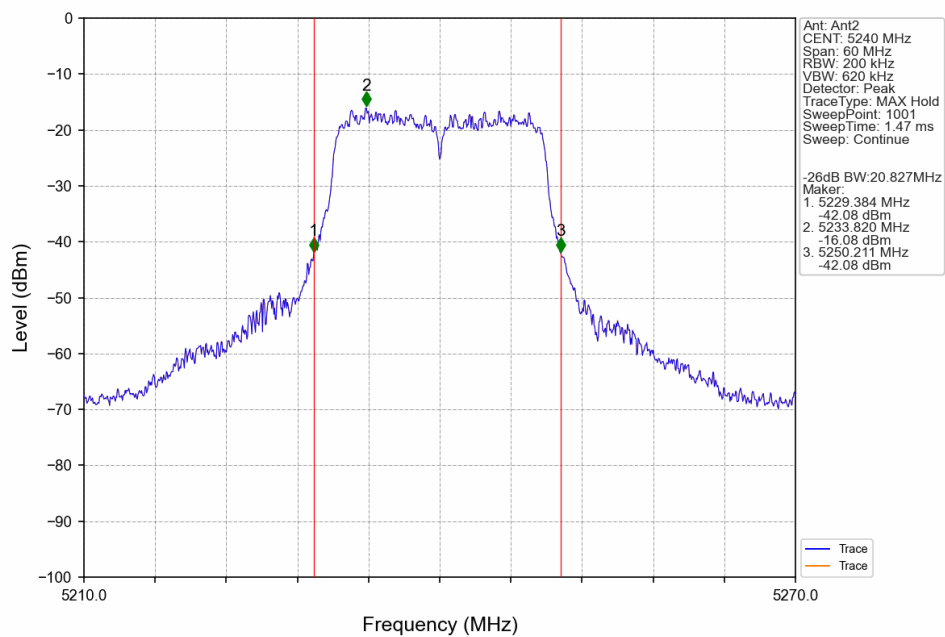
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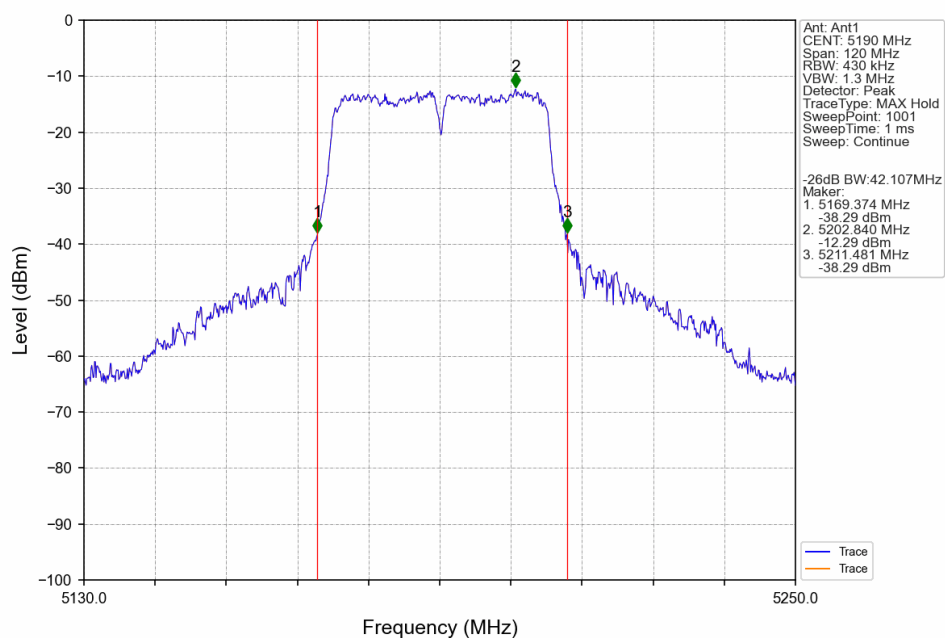
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



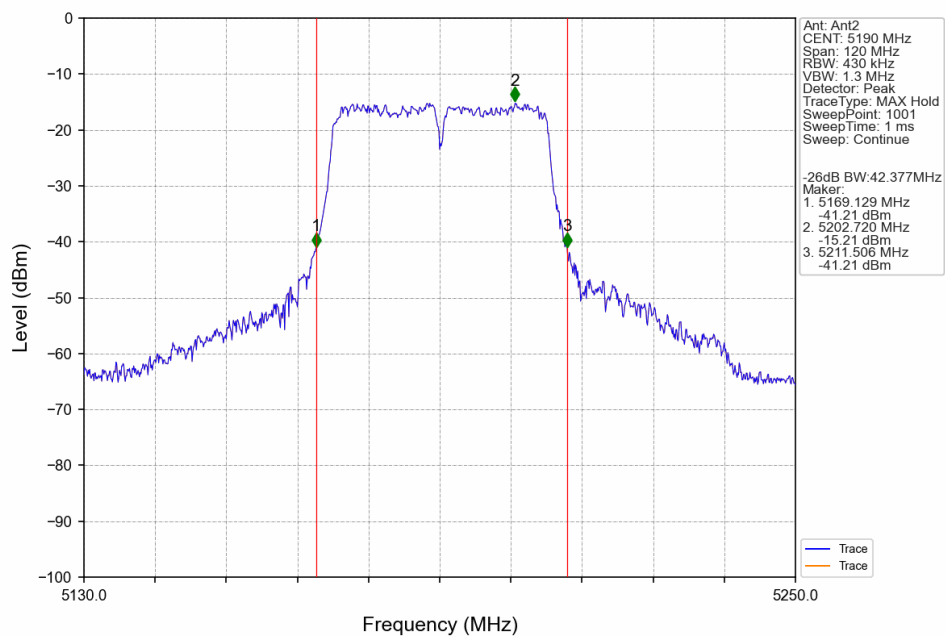
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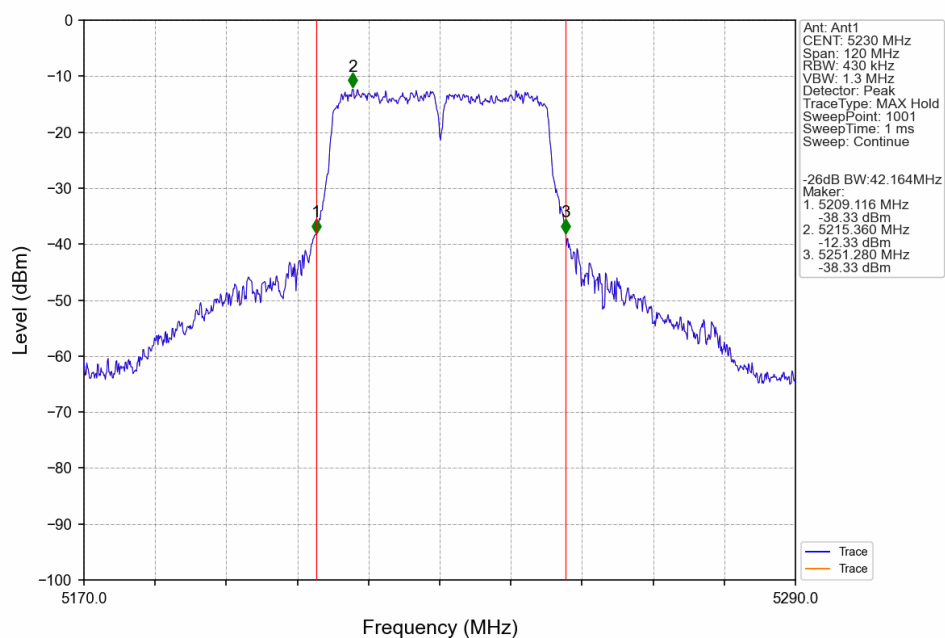
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



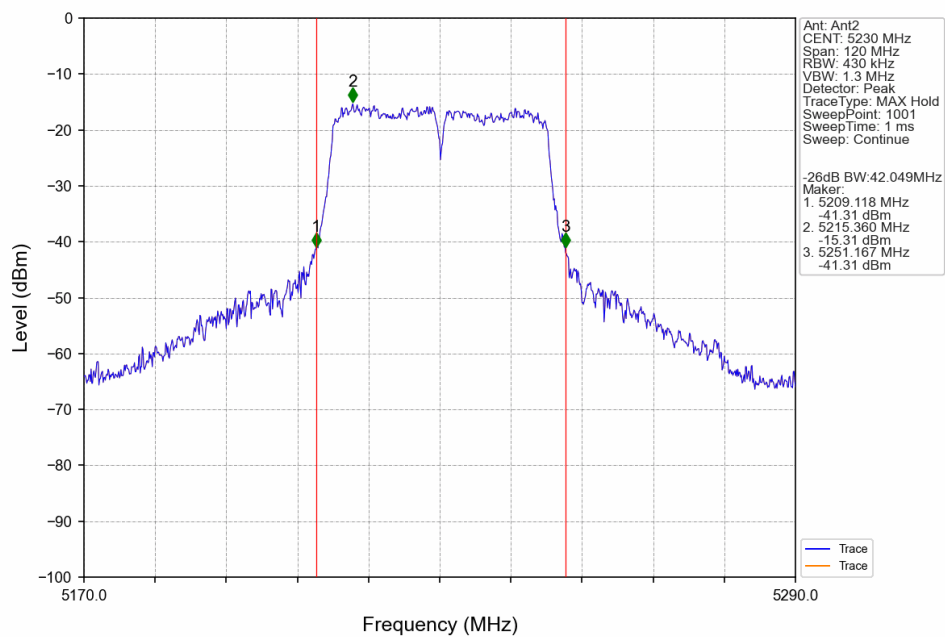
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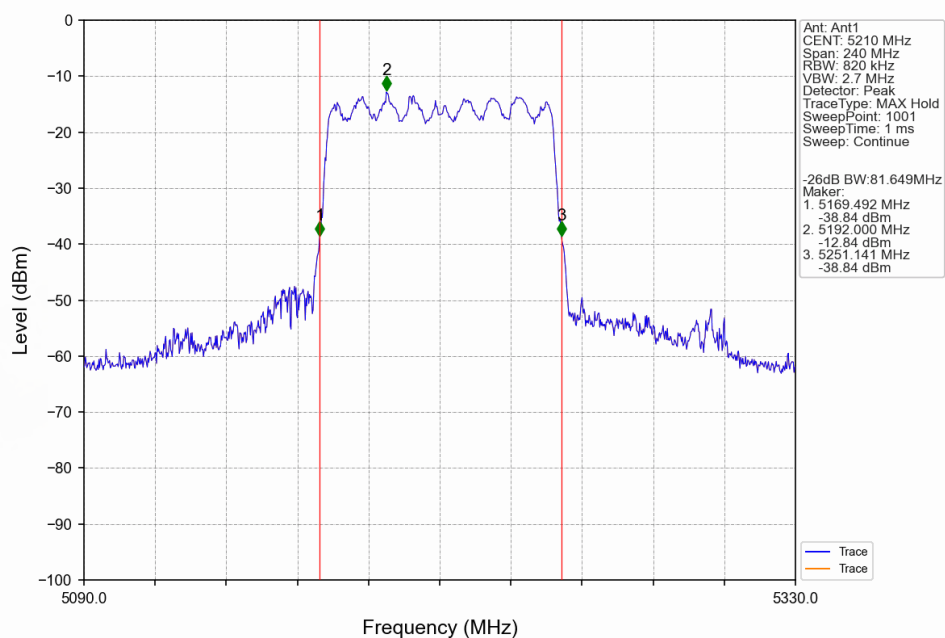
802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5230MHz_Ant2_NTNV



802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5210MHz_Ant2_NTNV

