

1. Duty Cycle

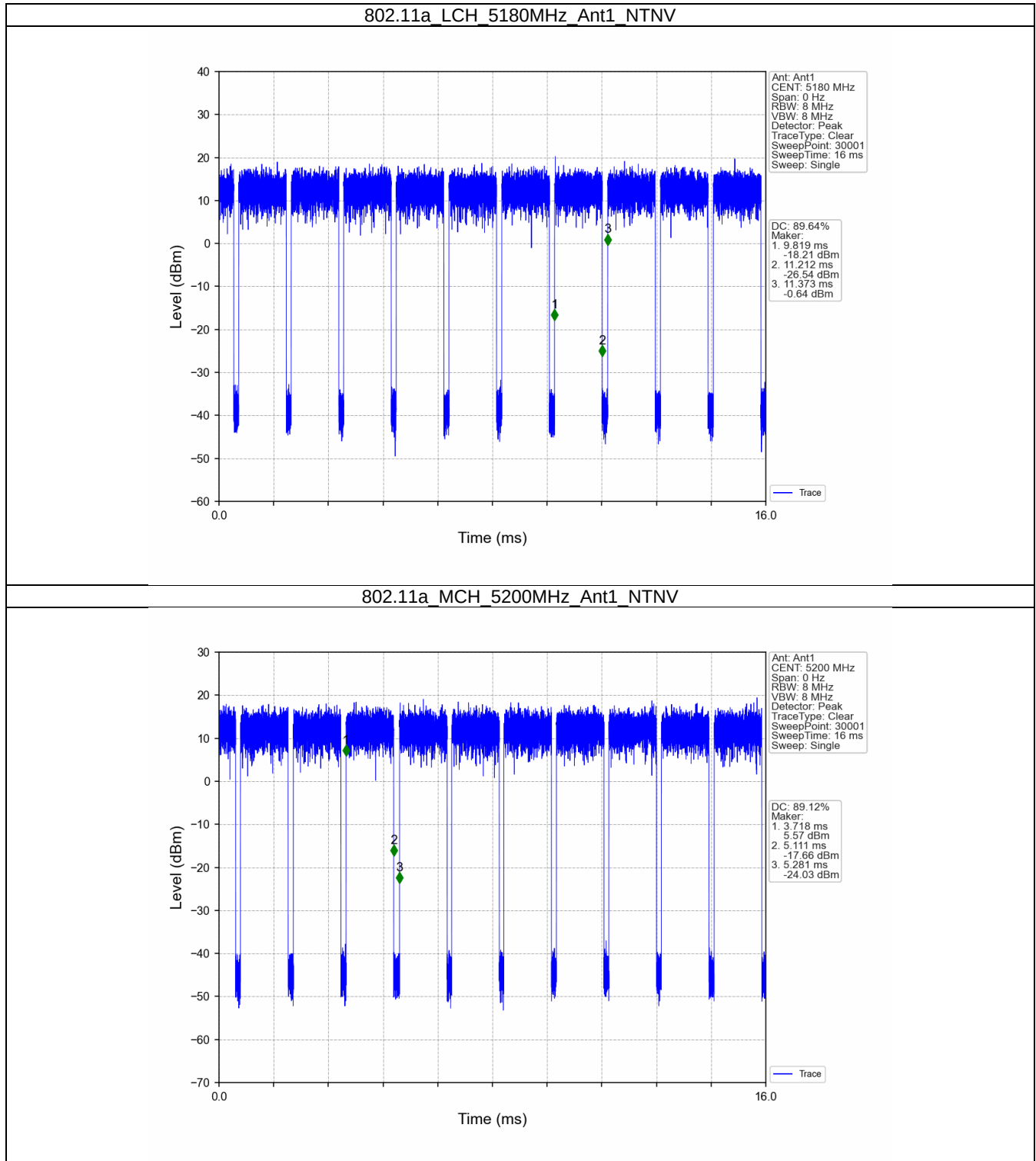
1.1 Test Result

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	1.393	1.554	89.64	0.47	1.02
		5200	1.393	1.563	89.12	0.50	2.12
		5240	1.393	1.581	88.11	0.55	1.18
		5745	1.393	1.644	84.73	0.72	4.91
		5785	1.393	1.590	87.61	0.57	1.53
		5825	1.392	1.661	83.80	0.77	5.33
802.11n (HT20)	SISO	5180	1.174	1.425	82.39	0.84	5.53
		5200	1.174	1.354	86.71	0.62	1.18
		5240	1.174	1.417	82.85	0.82	5.60
		5745	1.174	1.363	86.13	0.65	1.20
		5785	1.175	1.418	82.86	0.82	5.00
		5825	1.175	1.408	83.45	0.79	5.10
802.11n (HT40)	SISO	5190	0.588	0.829	70.93	1.49	6.77
		5230	0.587	0.901	65.15	1.86	9.75
		5755	0.588	0.830	70.84	1.50	6.80
		5795	0.587	0.828	70.89	1.49	8.62
802.11ac (VHT20)	SISO	5180	1.186	1.374	86.32	0.64	1.70
		5200	1.186	1.437	82.53	0.83	4.94
		5240	1.186	1.437	82.53	0.83	4.91
		5745	1.185	1.356	87.39	0.59	0.03
		5785	1.185	1.455	81.44	0.89	5.98
		5825	1.185	1.373	86.31	0.64	1.74
802.11ac (VHT40)	SISO	5190	0.592	0.860	68.84	1.62	8.97
		5230	0.591	0.779	75.87	1.20	2.76
		5755	0.592	0.833	71.07	1.48	7.66
		5795	0.591	0.860	68.72	1.63	9.89
802.11ac (VHT80)	SISO	5210	0.296	0.547	54.11	2.67	45.74
		5775	0.297	0.538	55.20	2.58	9.77

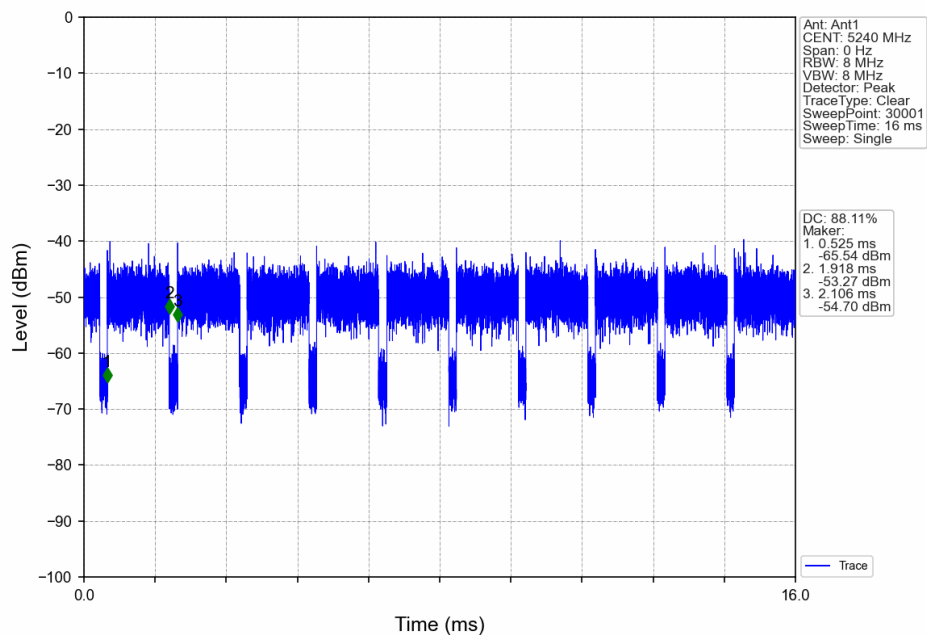
1.2 Test Graph

1.2.1 Ant1

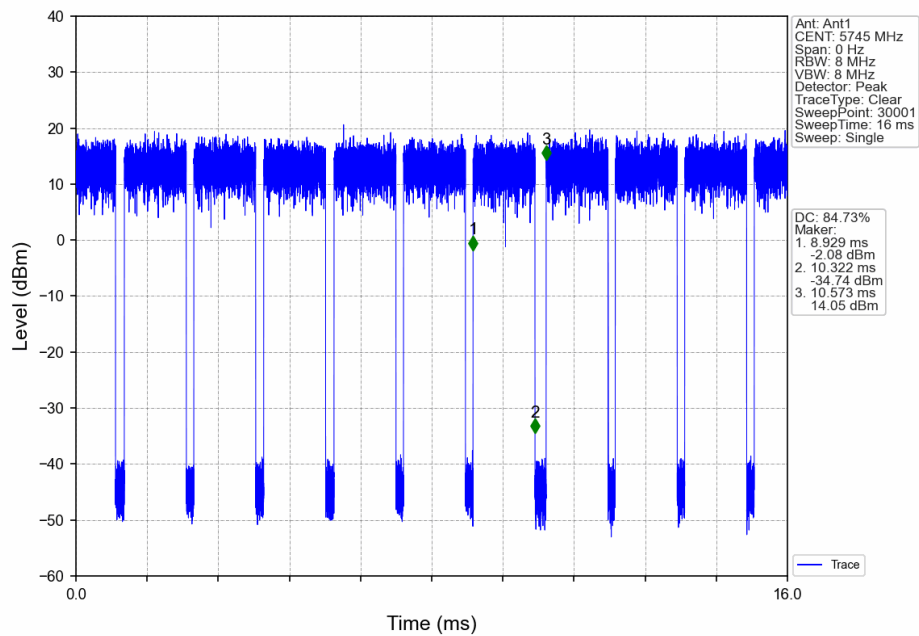




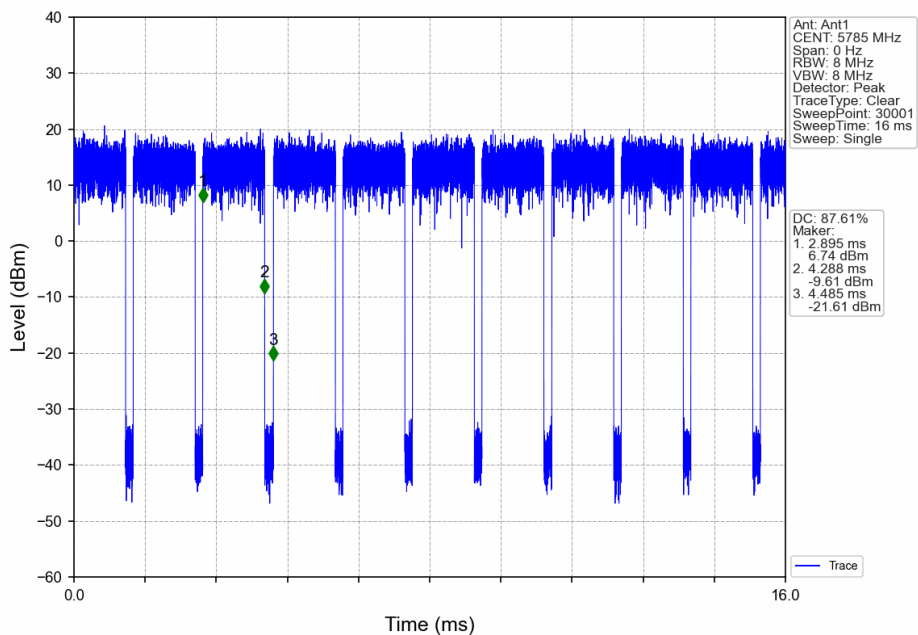
802.11a_HCH_5240MHz_Ant1_NTNV



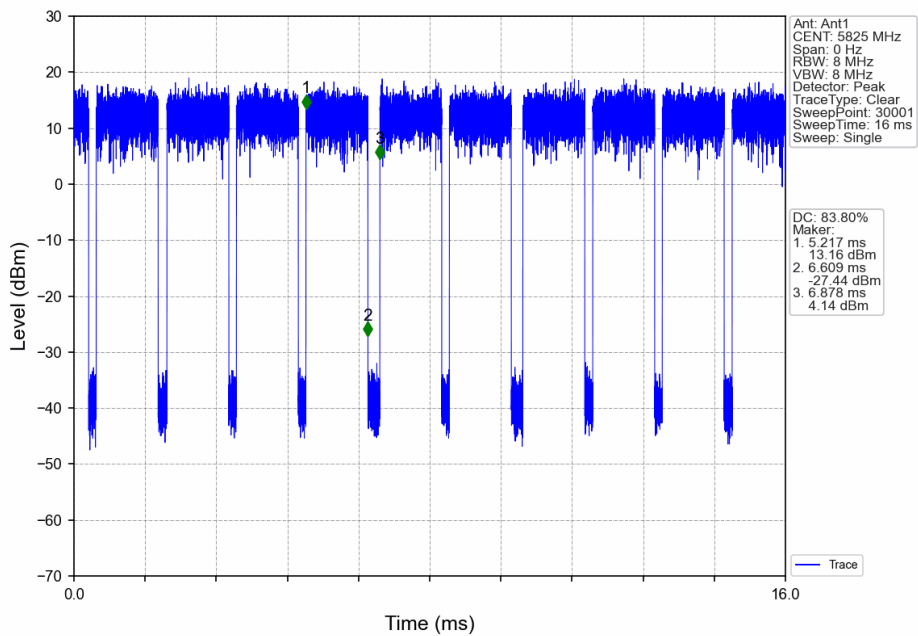
802.11a_LCH_5745MHz_Ant1_NTNV



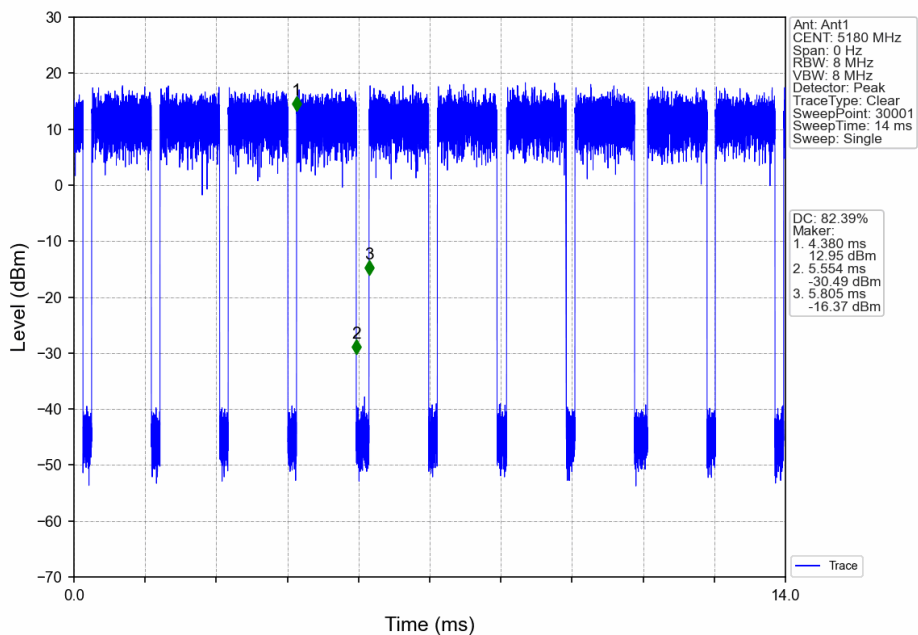
802.11a_MCH_5785MHz_Ant1_NTNV



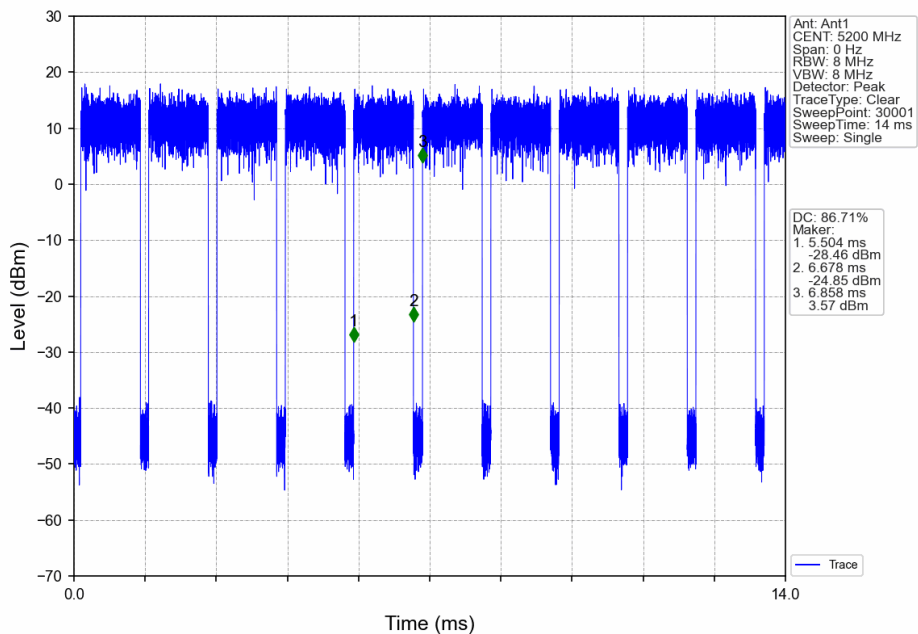
802.11a_HCH_5825MHz_Ant1_NTNV



802.11n(HT20)_LCH_5180MHz_Ant1_NTNV

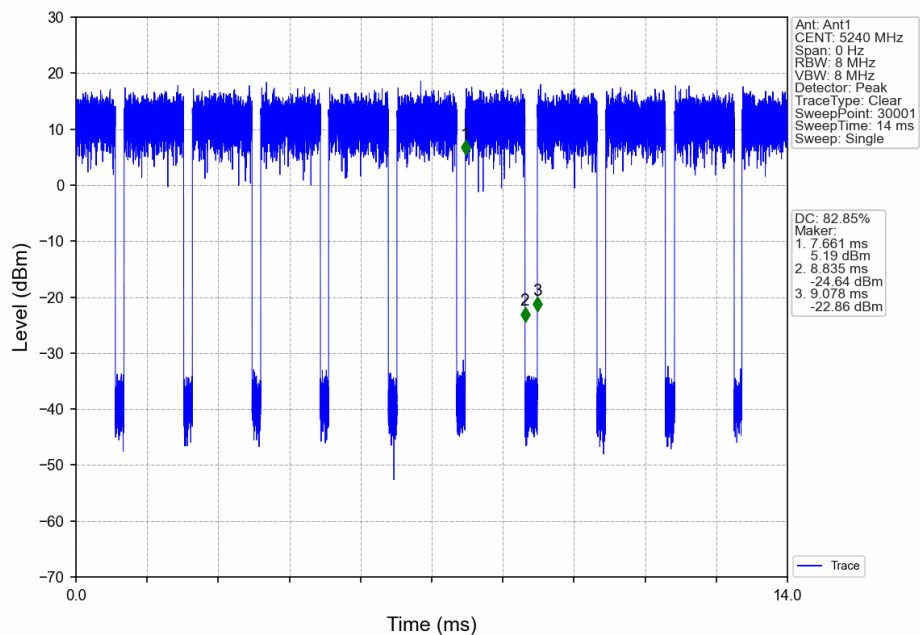


802.11n(HT20)_MCH_5200MHz_Ant1_NTNV

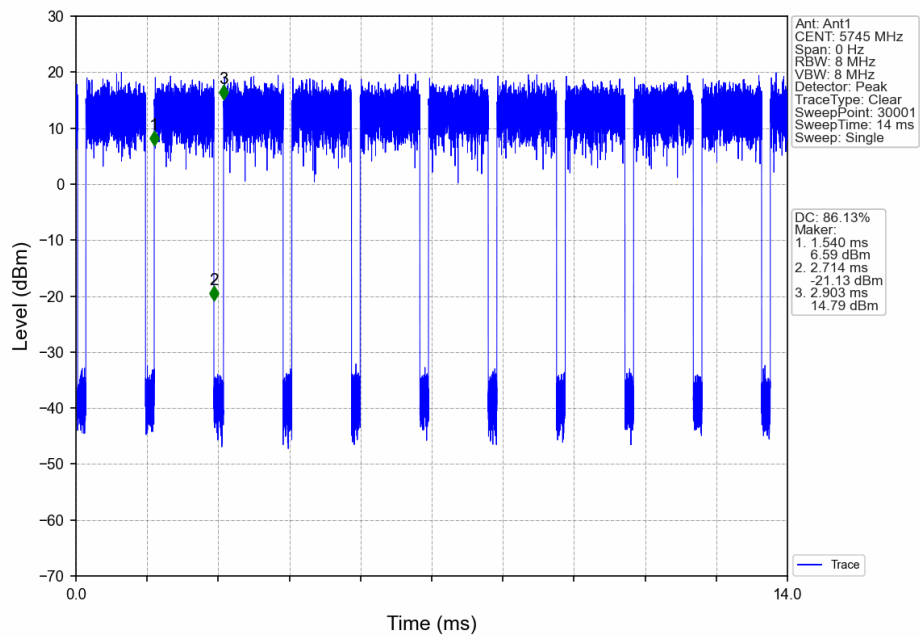




802.11n(HT20)_HCH_5240MHz_Ant1_NTNV

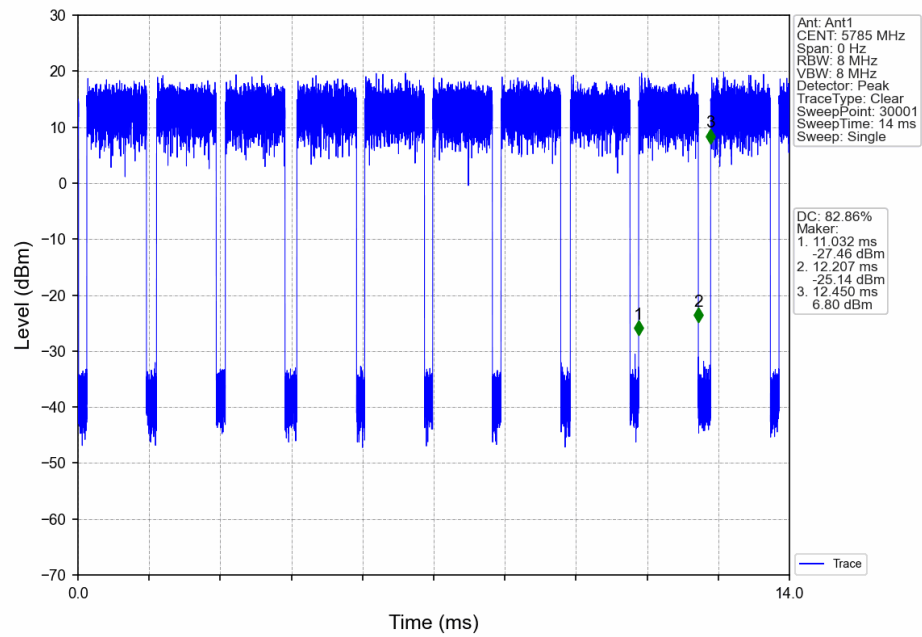


802.11n(HT20)_LCH_5745MHz_Ant1_NTNV

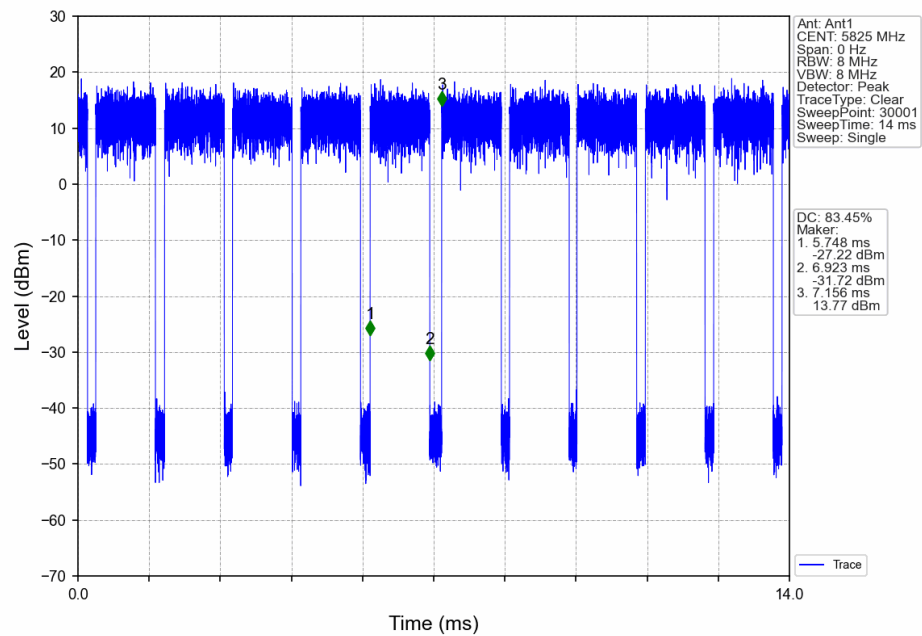




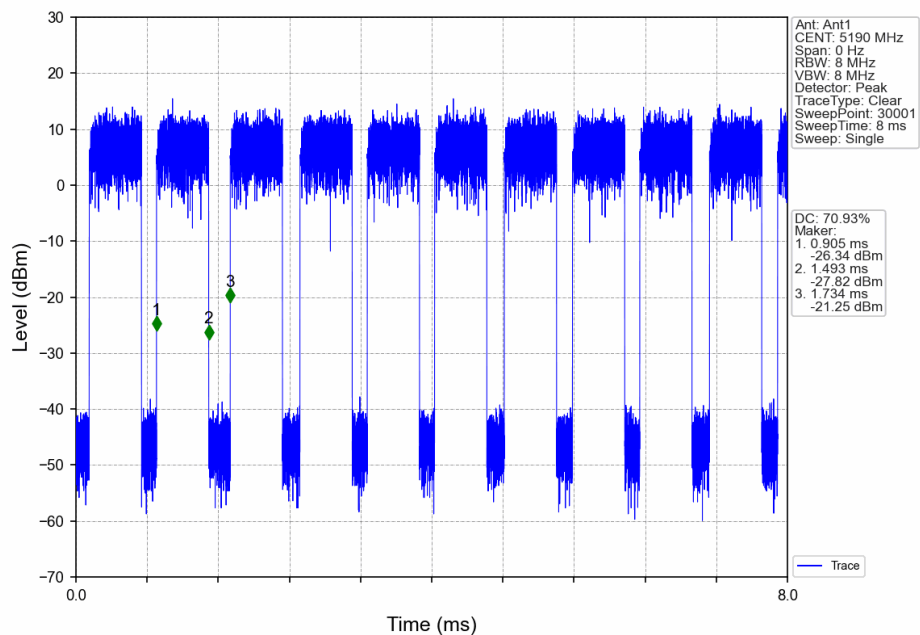
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



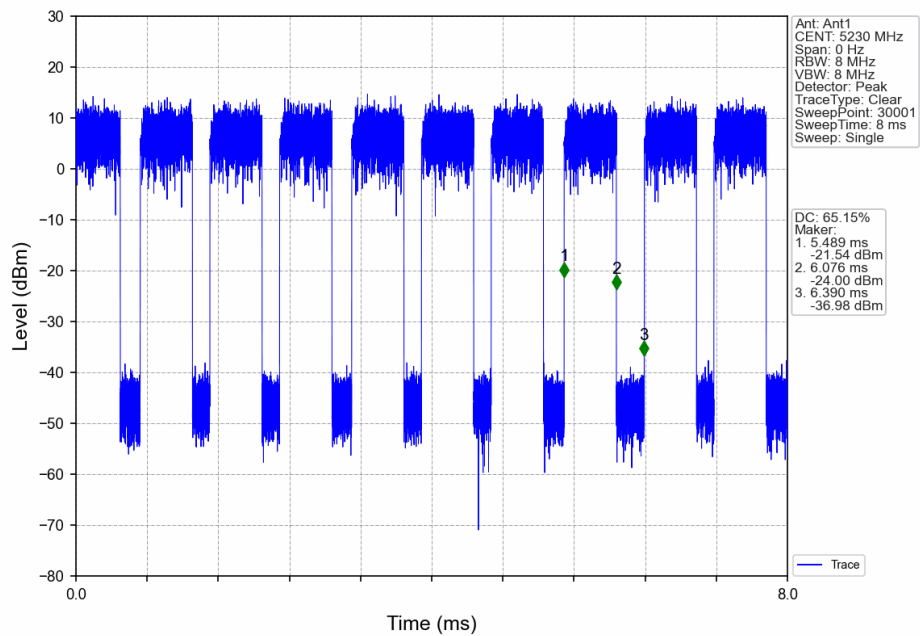
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



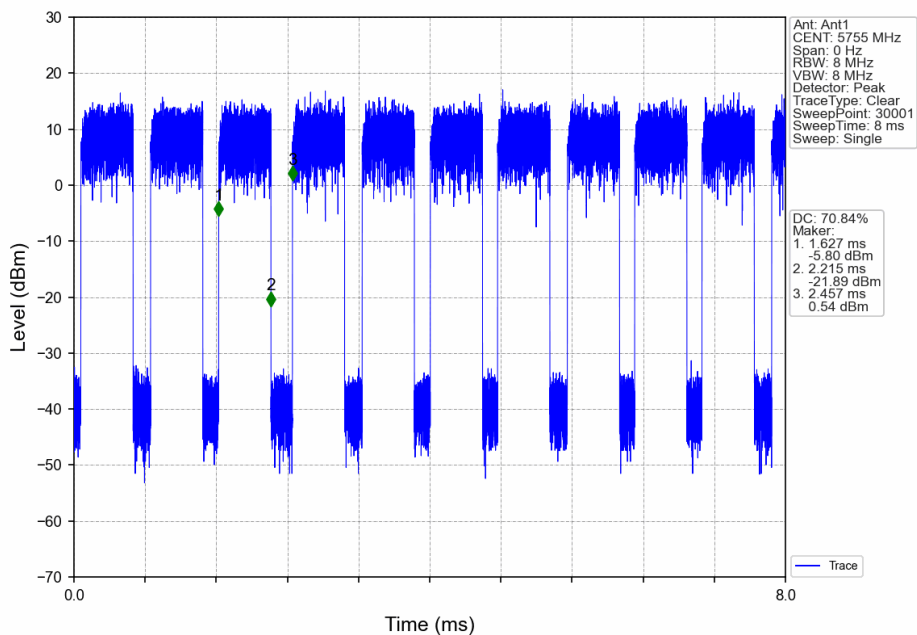
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



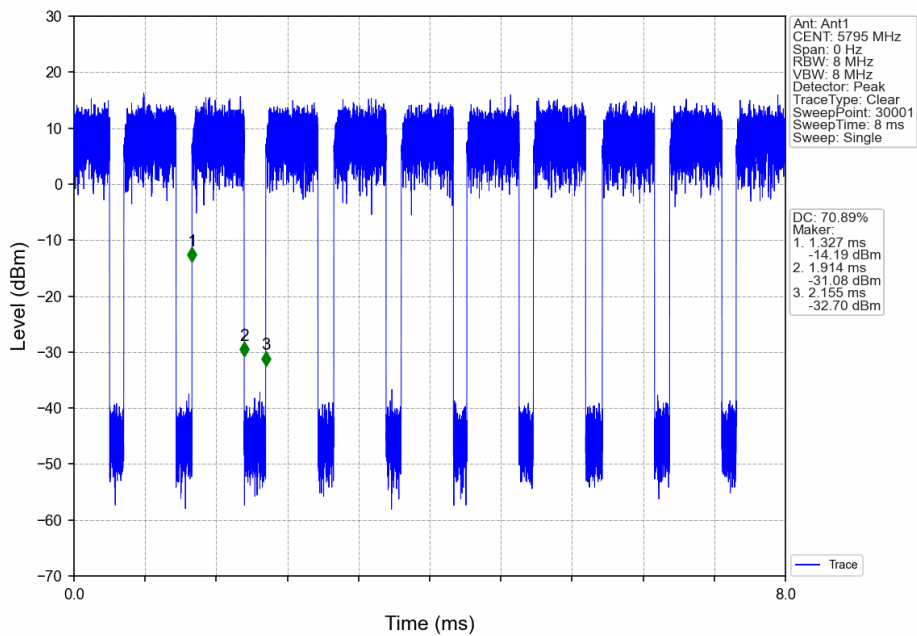
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



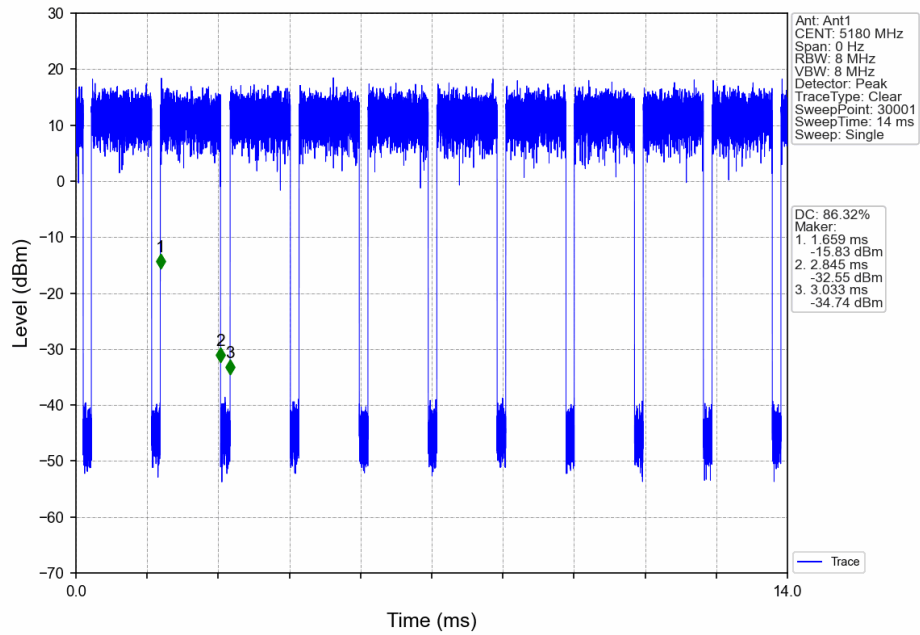
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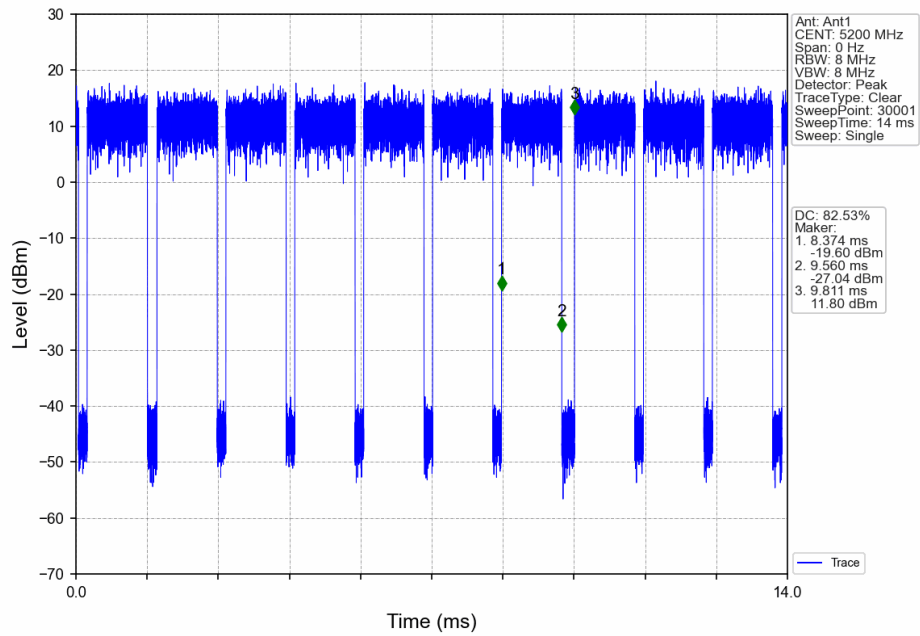
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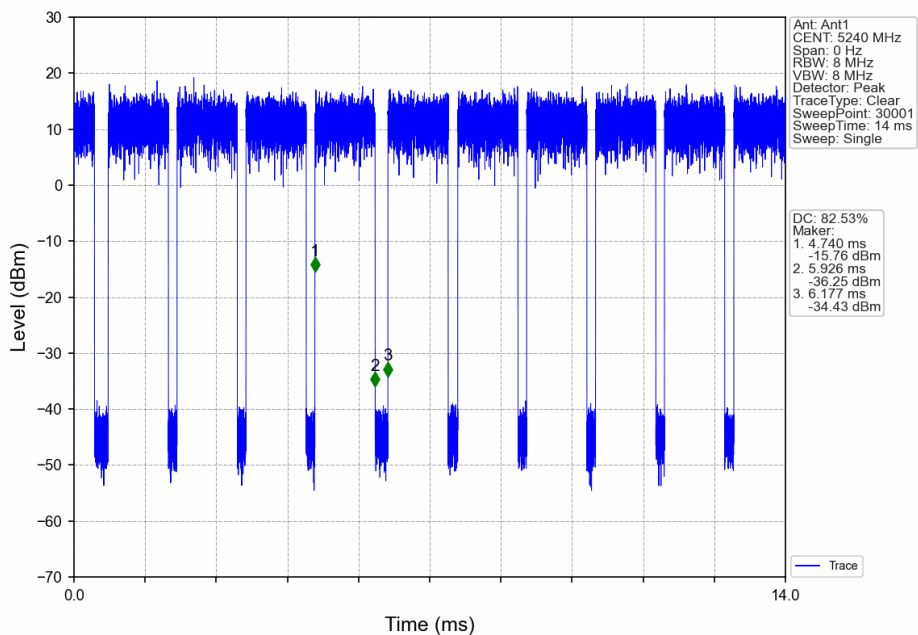
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



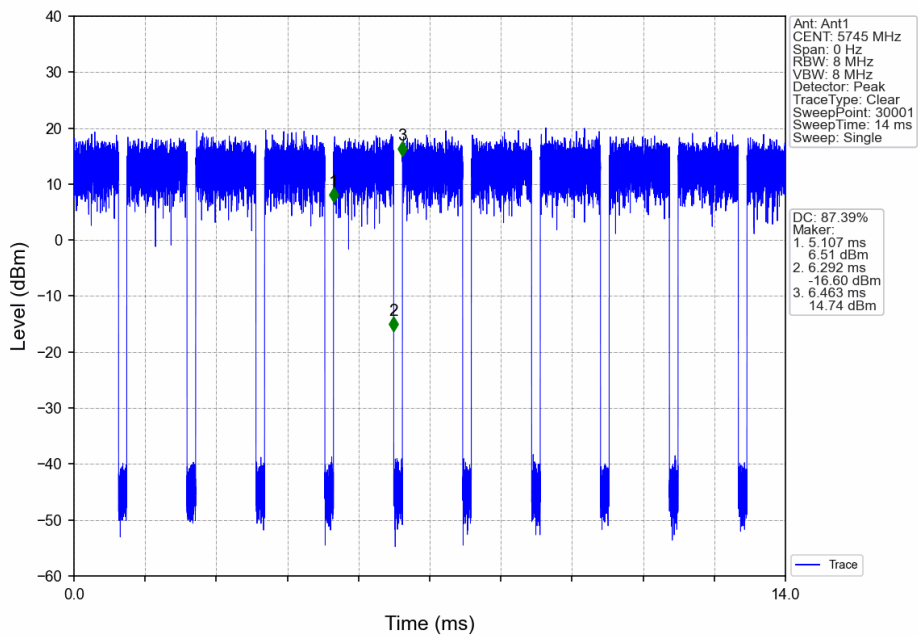
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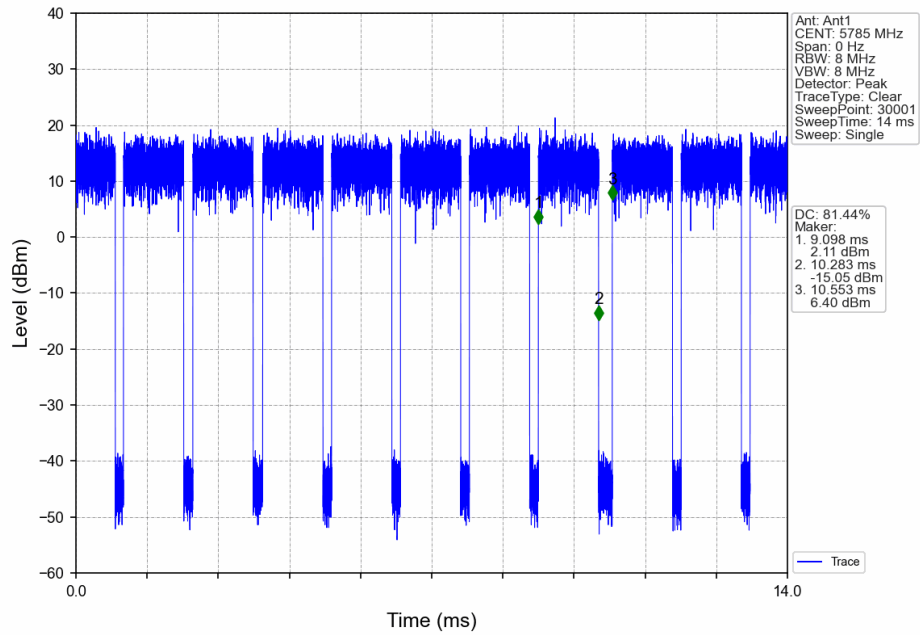
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



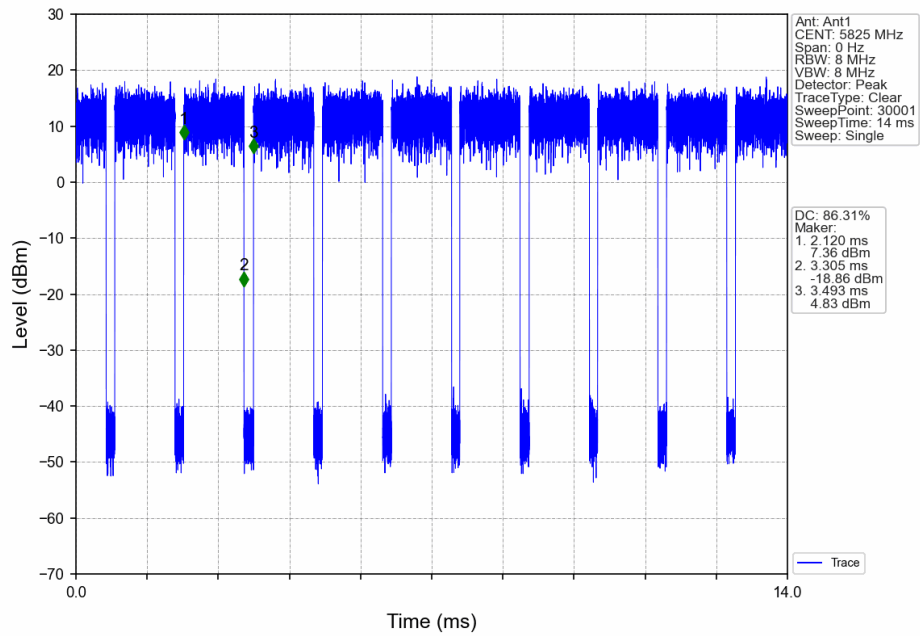
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



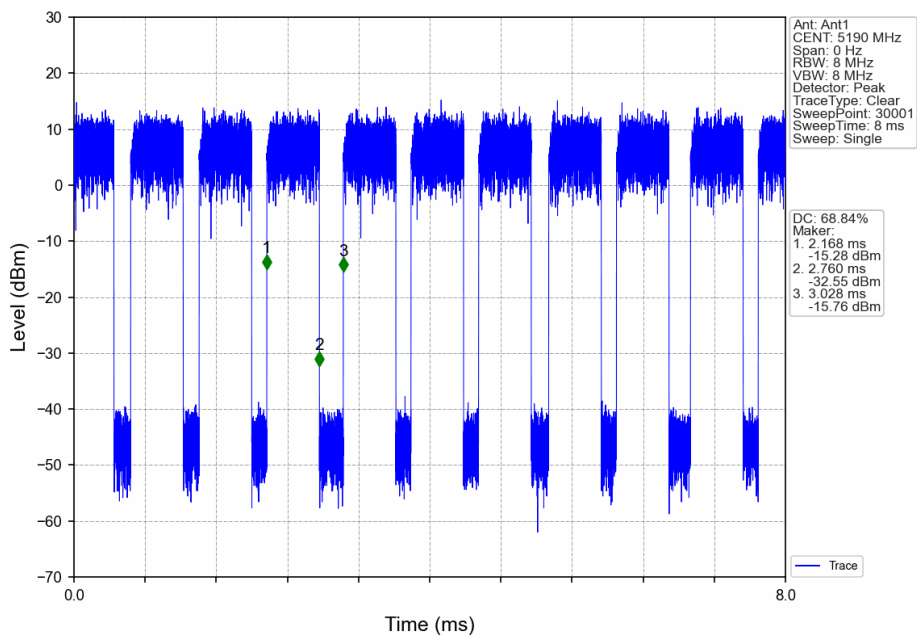
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



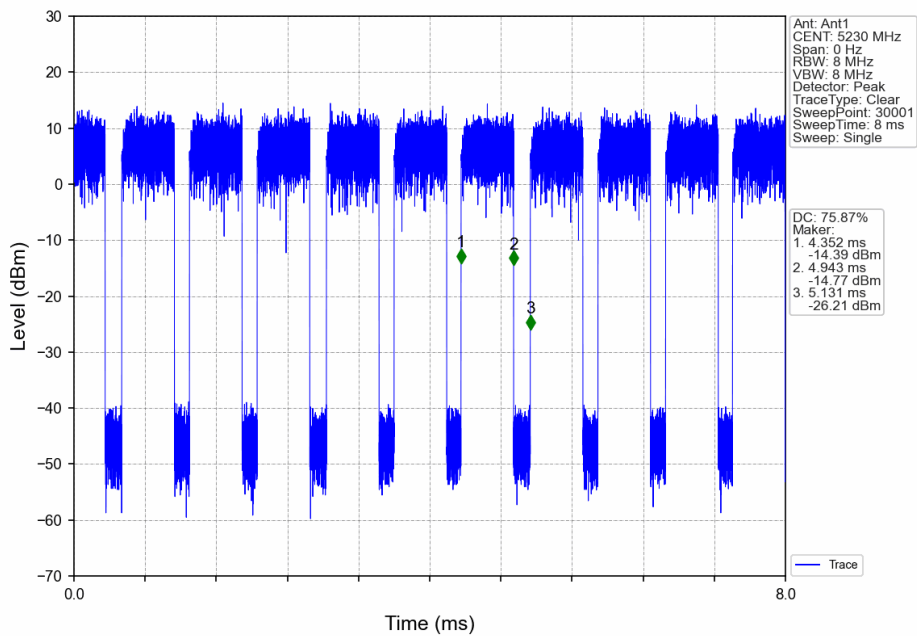
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV

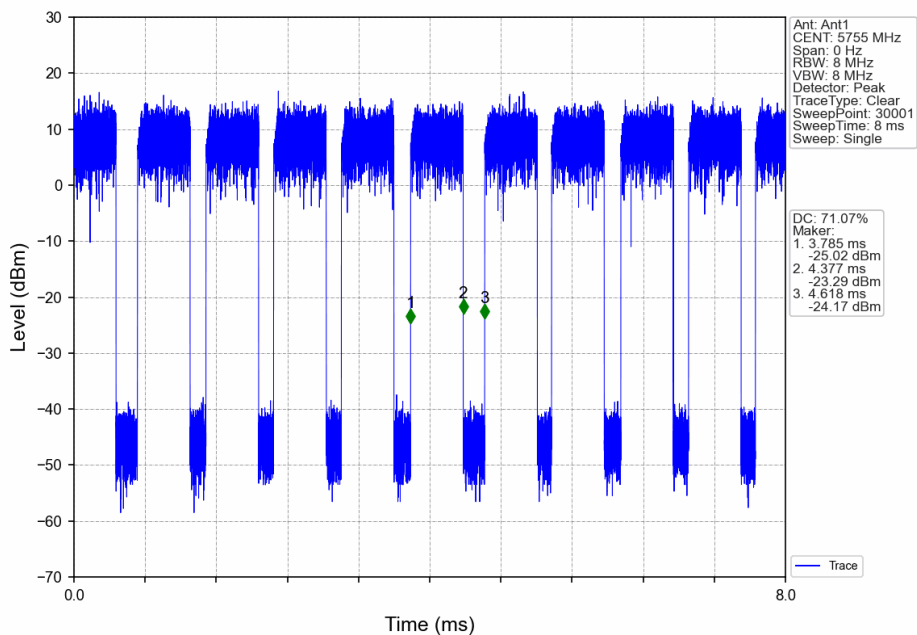


802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV

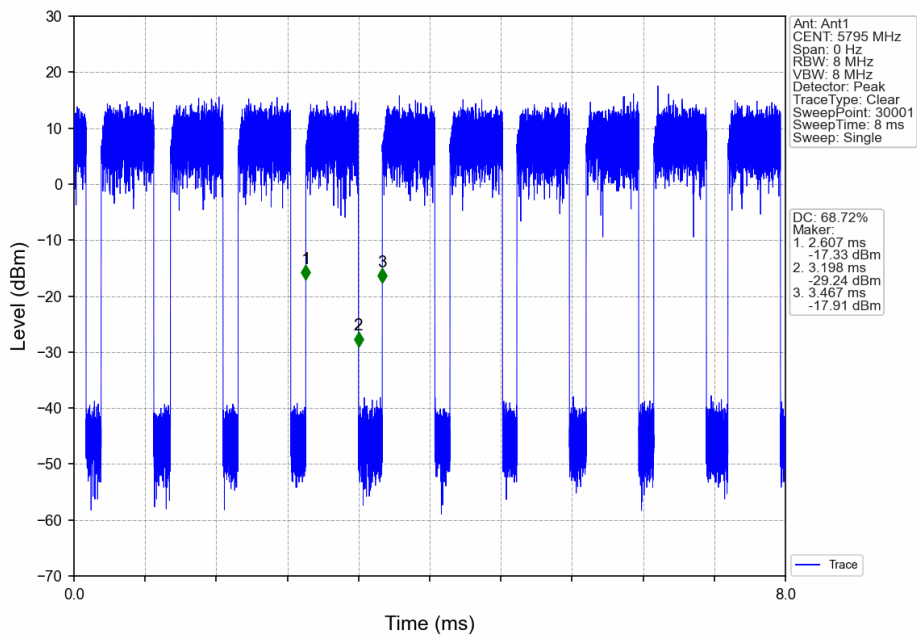




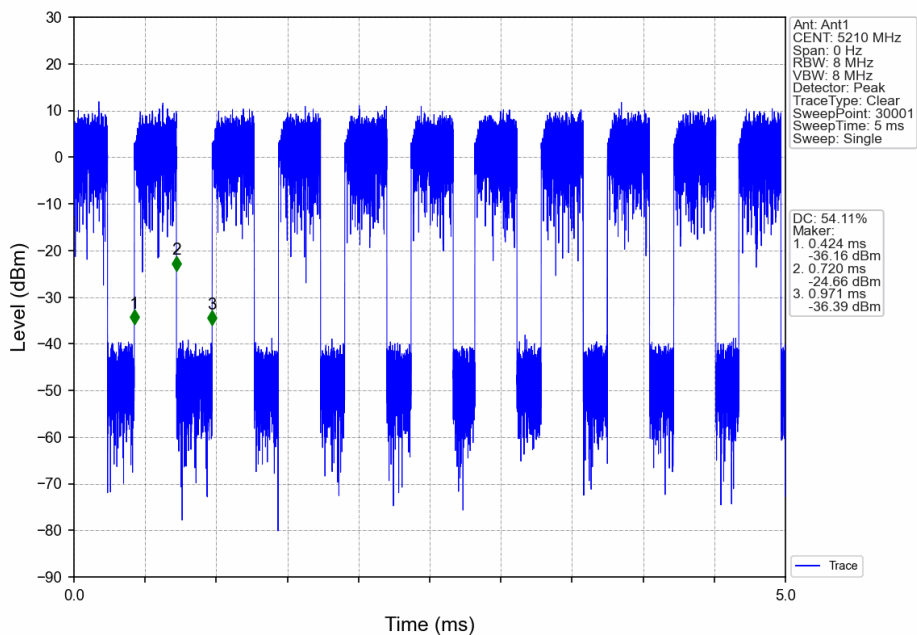
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



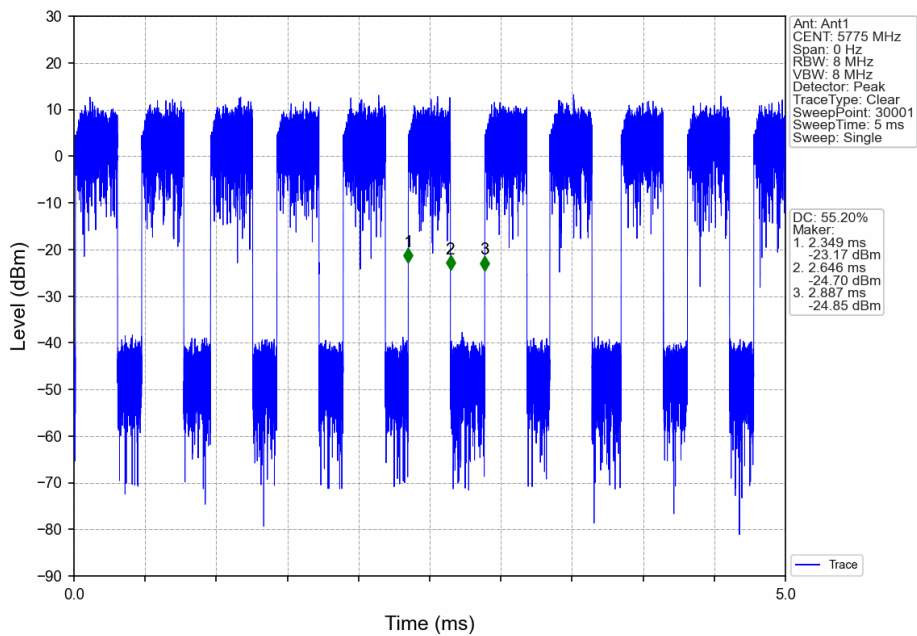
802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant1_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	17.801	/	Pass
		5200	1	17.955	/	Pass
		5240	1	39.255	/	Pass
		5745	1	17.840	/	Pass
		5785	1	17.805	/	Pass
		5825	1	17.917	/	Pass
802.11n (HT20)	SISO	5180	1	19.700	/	Pass
		5200	1	20.002	/	Pass
		5240	1	19.760	/	Pass
		5745	1	19.357	/	Pass
		5785	1	19.368	/	Pass
		5825	1	19.760	/	Pass
802.11n (HT40)	SISO	5190	1	37.803	/	Pass
		5230	1	38.084	/	Pass
		5755	1	37.803	/	Pass
		5795	1	37.967	/	Pass
802.11ac (VHT20)	SISO	5180	1	18.371	/	Pass
		5200	1	18.366	/	Pass
		5240	1	18.394	/	Pass
		5745	1	18.405	/	Pass
		5785	1	18.377	/	Pass
		5825	1	18.427	/	Pass
802.11ac (VHT40)	SISO	5190	1	37.471	/	Pass
		5230	1	37.643	/	Pass
		5755	1	37.498	/	Pass
		5795	1	37.886	/	Pass
802.11ac (VHT80)	SISO	5210	1	76.252	/	Pass
		5775	1	76.221	/	Pass

2.1.2 6dB BW

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5745	1	16.410	≥ 0.5	Pass
		5785	1	16.420	≥ 0.5	Pass
		5825	1	16.367	≥ 0.5	Pass
802.11n (HT20)	SISO	5745	1	17.443	≥ 0.5	Pass
		5785	1	17.465	≥ 0.5	Pass
		5825	1	17.296	≥ 0.5	Pass
802.11n (HT40)	SISO	5755	1	36.292	≥ 0.5	Pass
		5795	1	36.232	≥ 0.5	Pass
802.11ac (VHT20)	SISO	5745	1	17.427	≥ 0.5	Pass
		5785	1	17.198	≥ 0.5	Pass
		5825	1	17.298	≥ 0.5	Pass

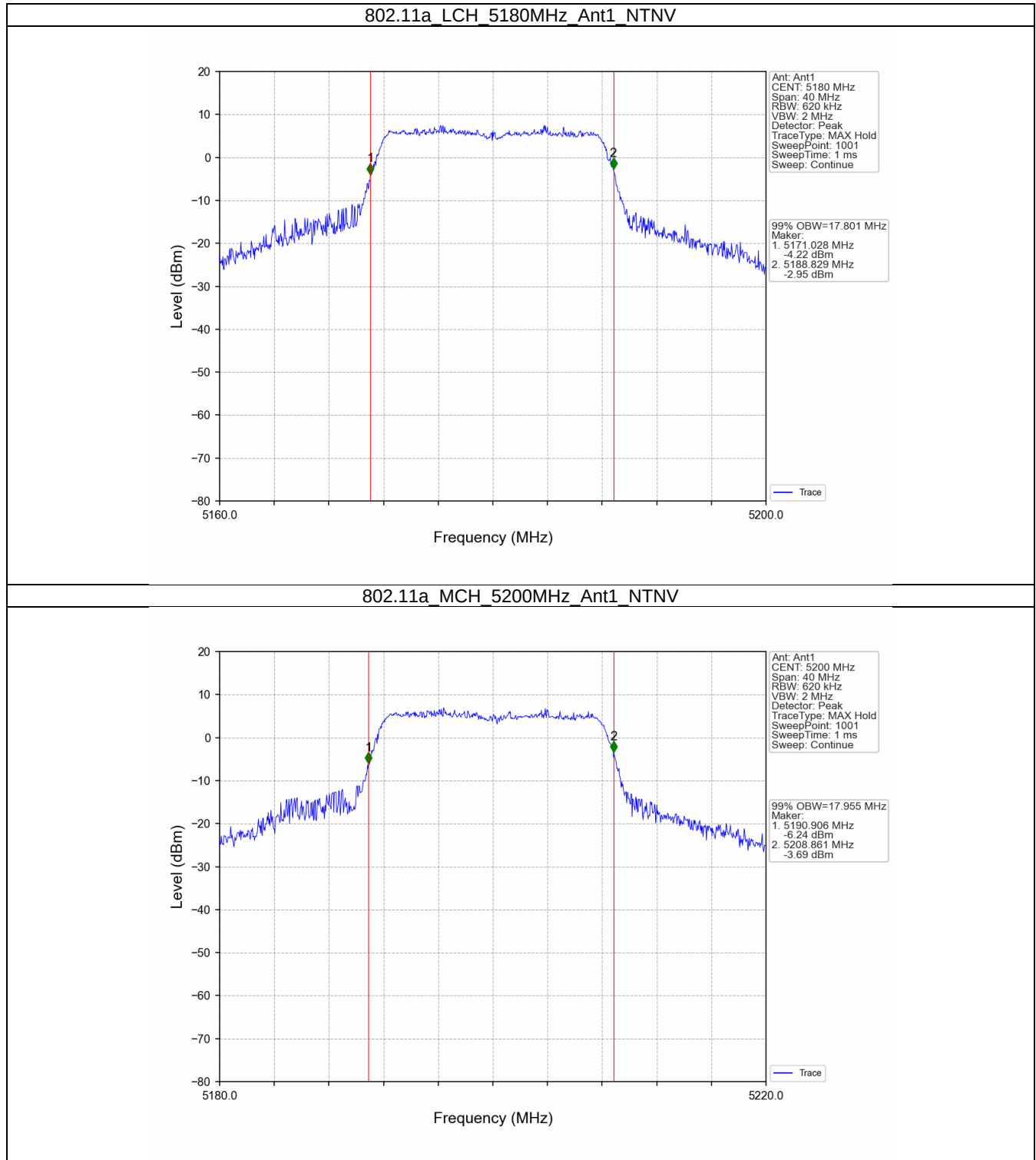
802.11ac (VHT40)	SISO	5755	1	36.225	≥ 0.5	Pass
		5795	1	36.069	≥ 0.5	Pass
802.11ac (VHT80)	SISO	5775	1	75.663	≥ 0.5	Pass

2.1.3 26dB BW

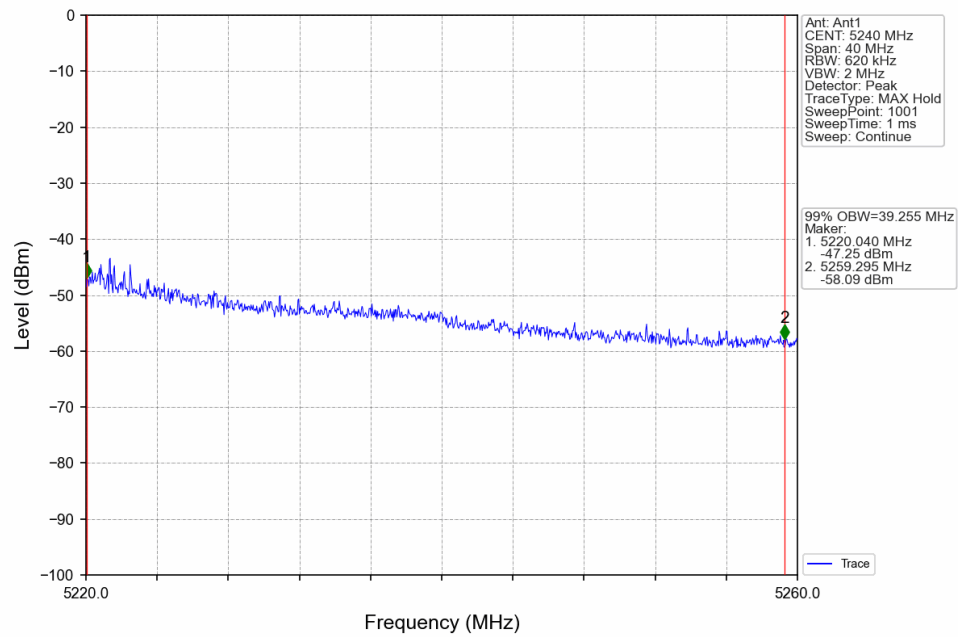
Mode	TX Type	Frequency (MHz)	ANT	26dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5180	1	23.763	/	Pass
		5200	1	27.354	/	Pass
		5240	1	27.715	/	Pass
802.11n (HT20)	SISO	5180	1	28.644	/	Pass
		5200	1	28.711	/	Pass
		5240	1	29.775	/	Pass
802.11n (HT40)	SISO	5190	1	57.263	/	Pass
		5230	1	58.183	/	Pass
802.11ac (VHT20)	SISO	5180	1	28.653	/	Pass
		5200	1	25.724	/	Pass
		5240	1	28.513	/	Pass
802.11ac (VHT40)	SISO	5190	1	54.623	/	Pass
		5230	1	62.449	/	Pass
802.11ac (VHT80)	SISO	5210	1	83.682	/	Pass

2.2 Test Graph

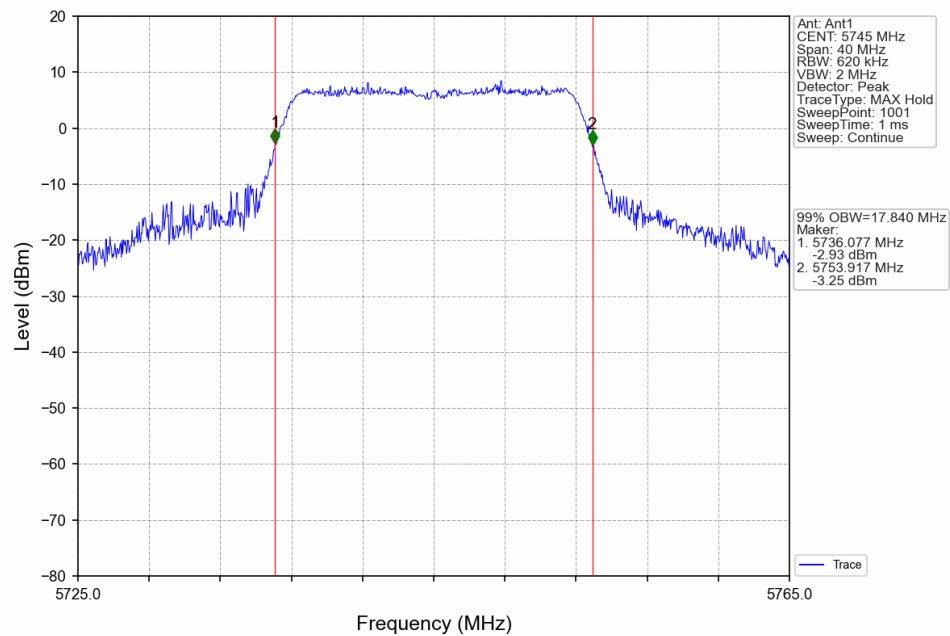
2.2.1 OBW



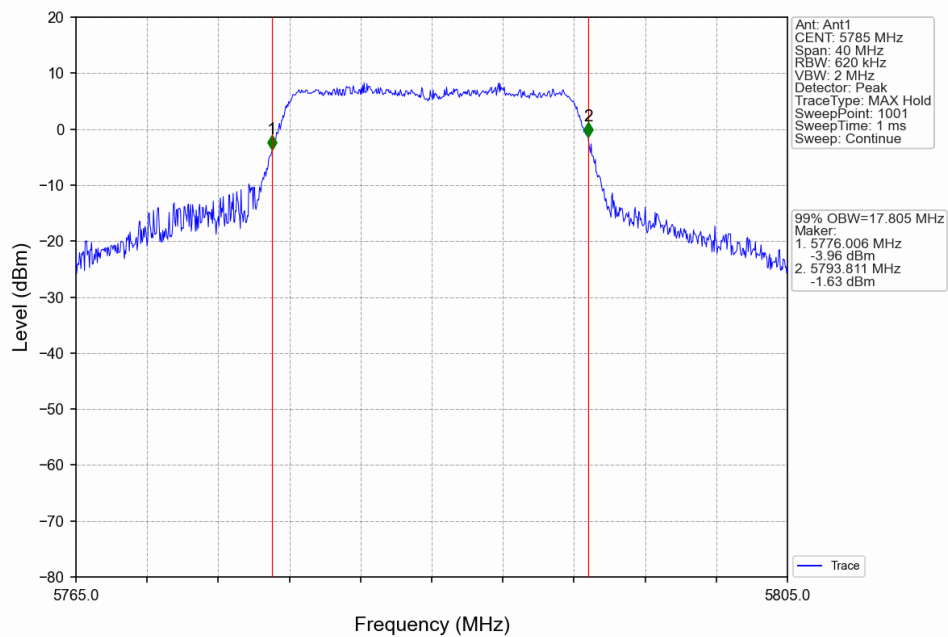
802.11a_HCH_5240MHz_Ant1_NTNV



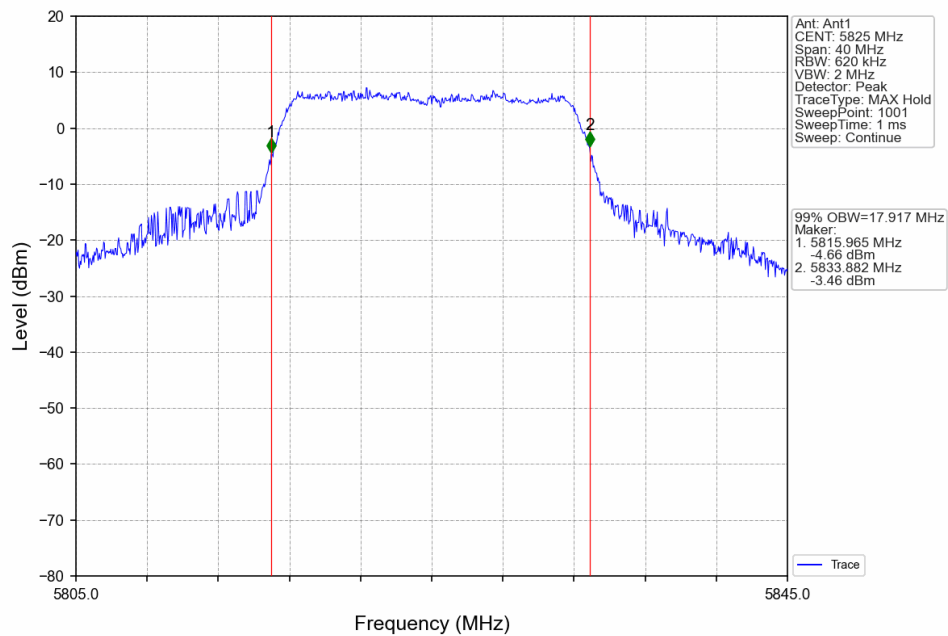
802.11a_LCH_5745MHz_Ant1_NTNV



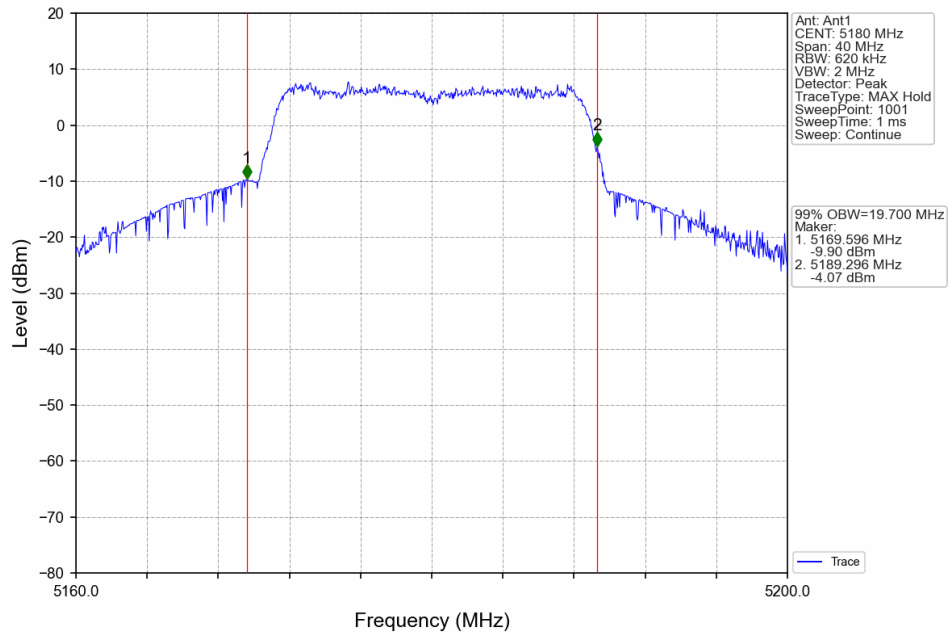
802.11a_MCH_5785MHz_Ant1_NTNV



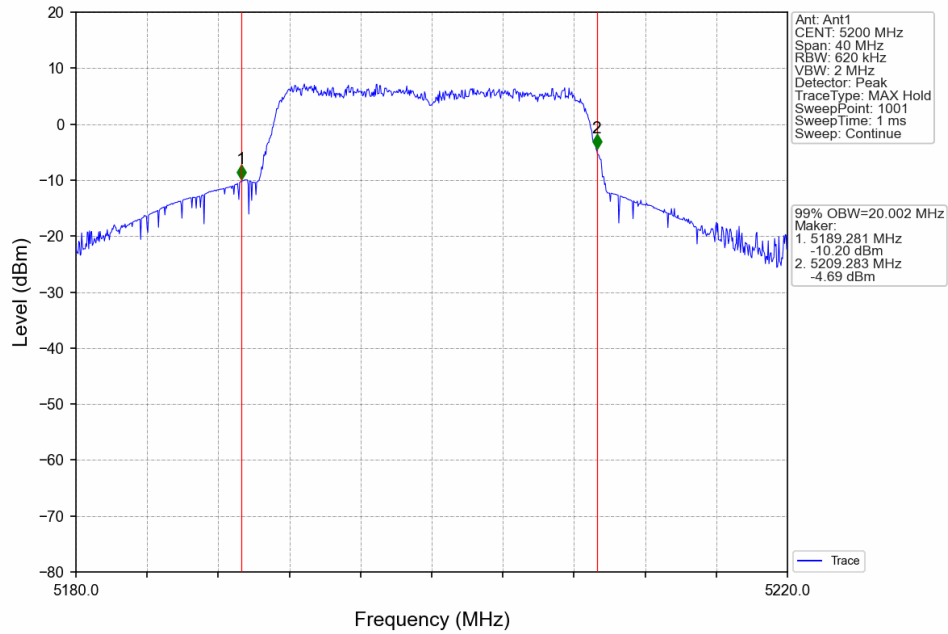
802.11a_HCH_5825MHz_Ant1_NTNV



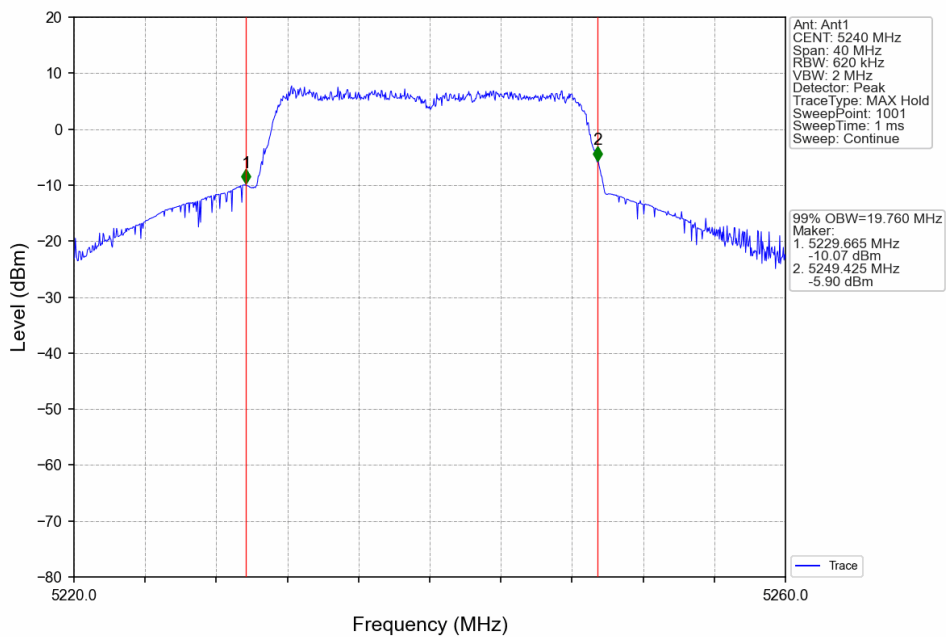
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



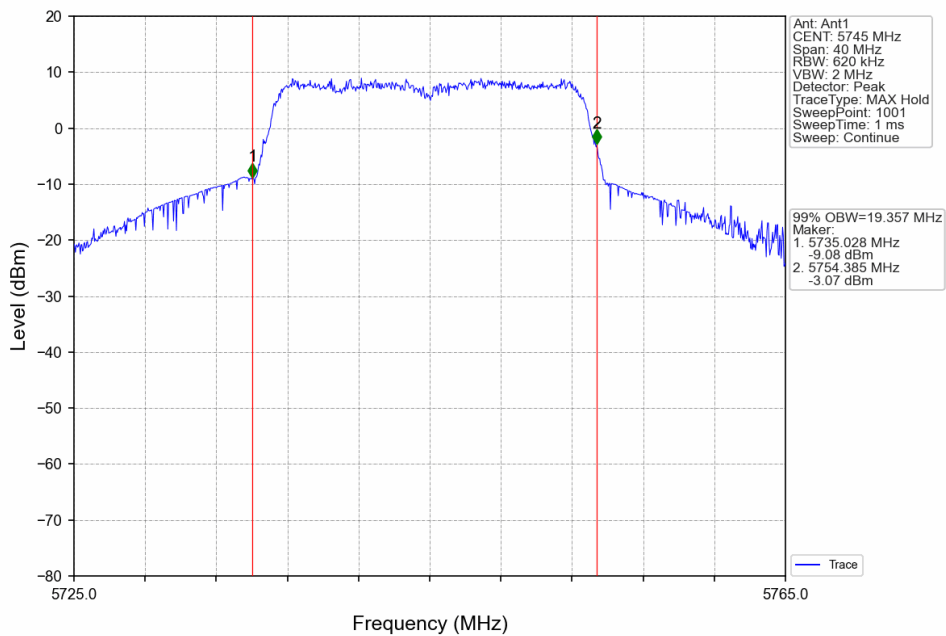
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



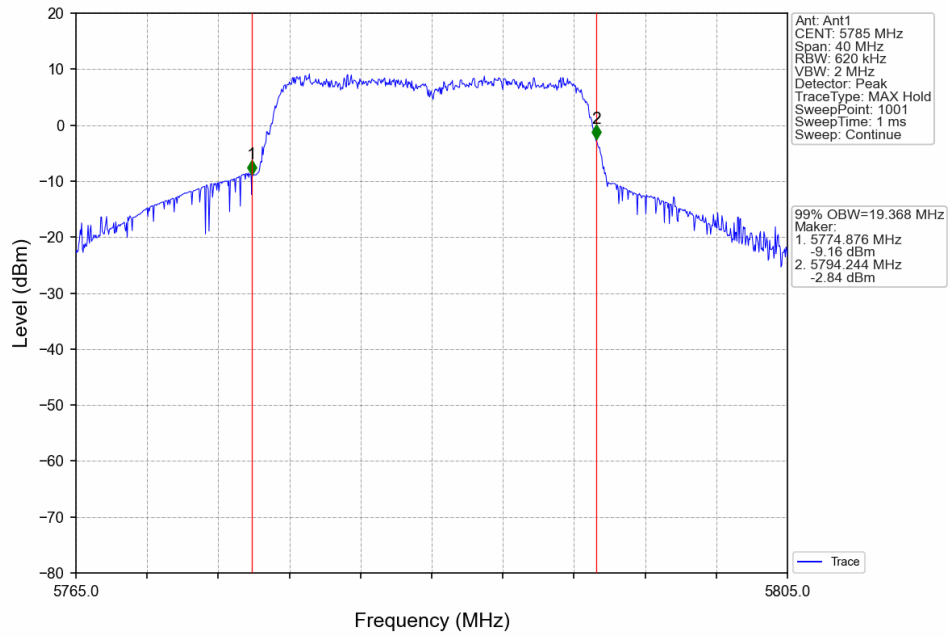
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



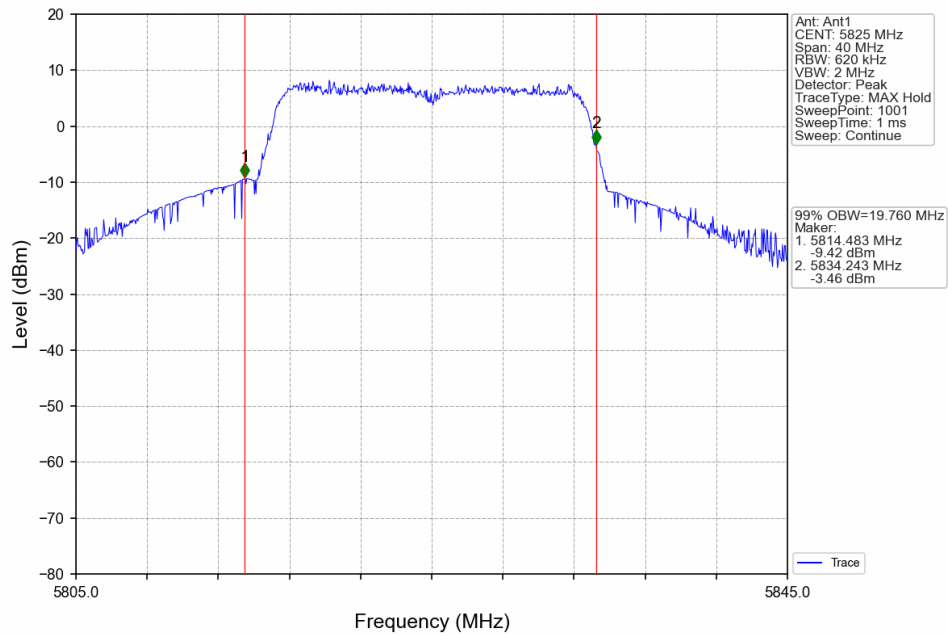
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



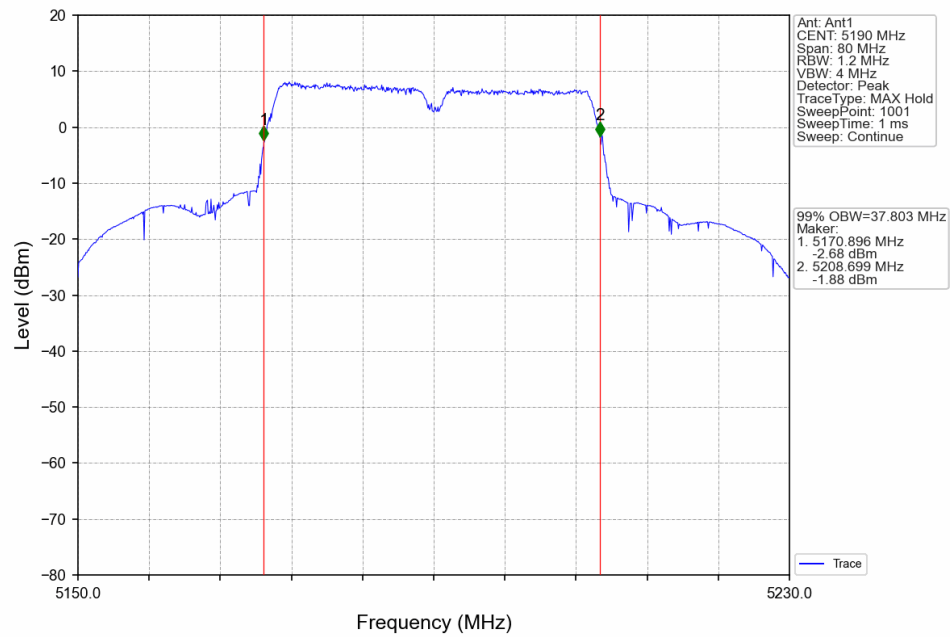
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



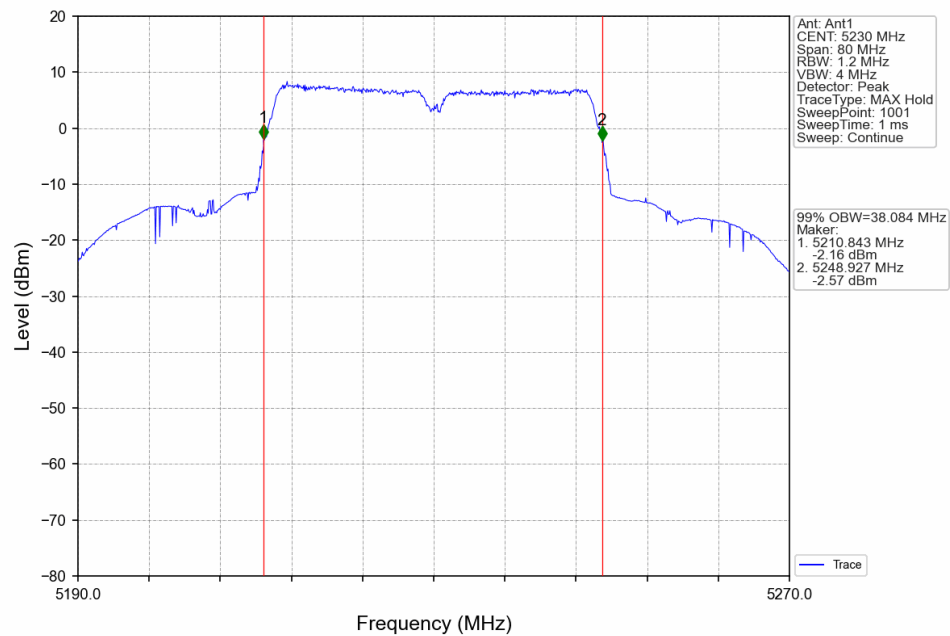
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



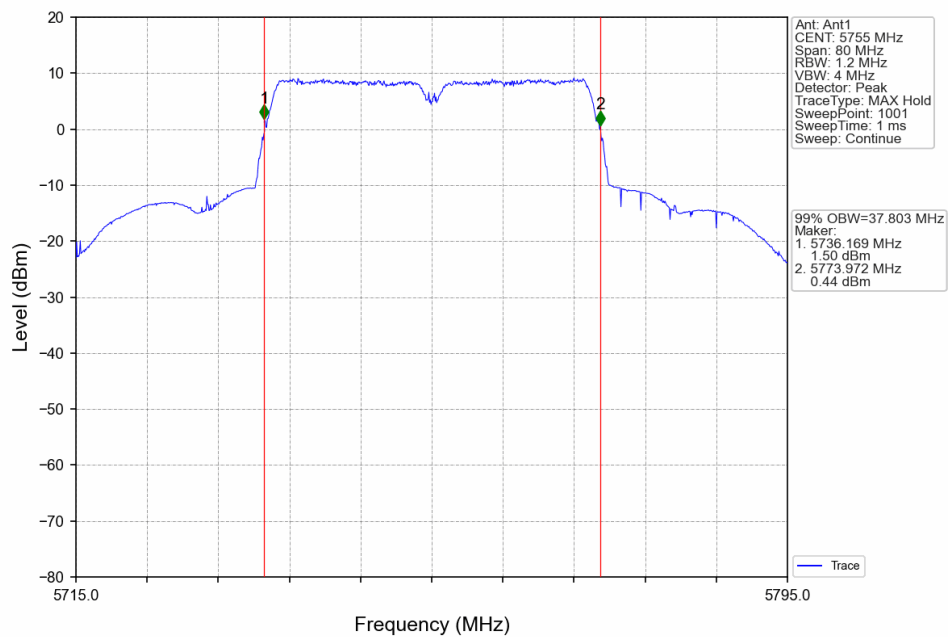
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



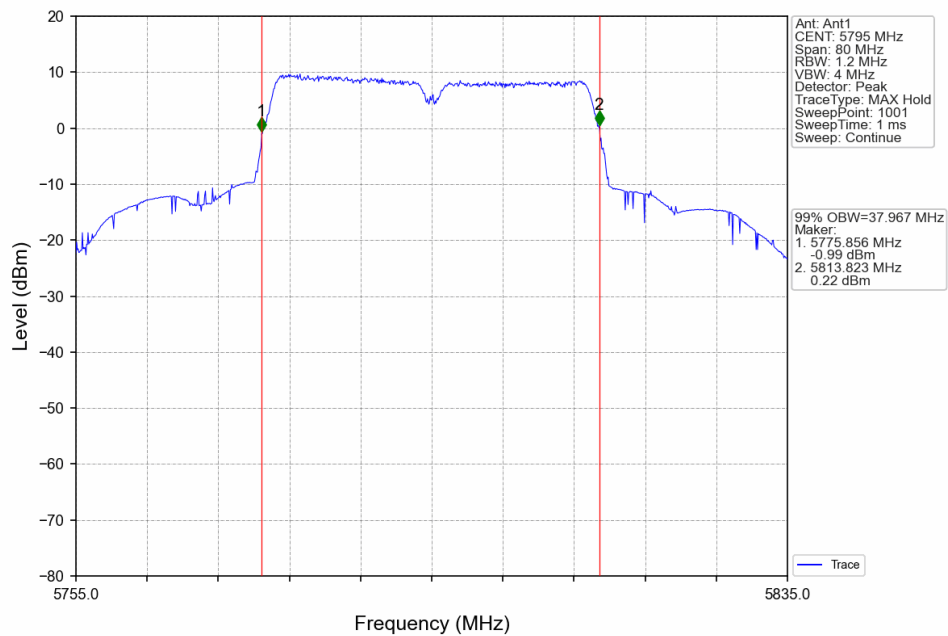
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



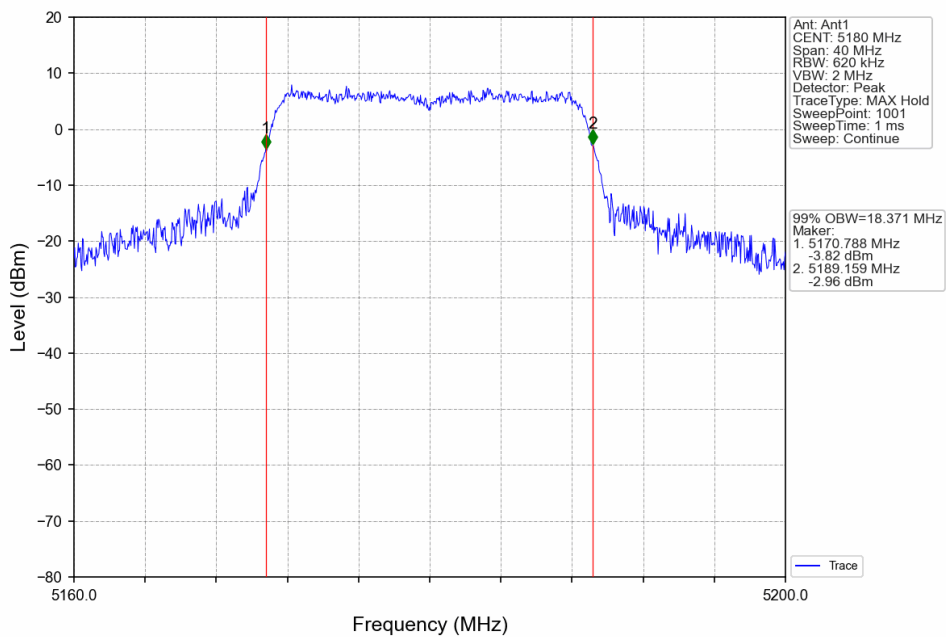
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



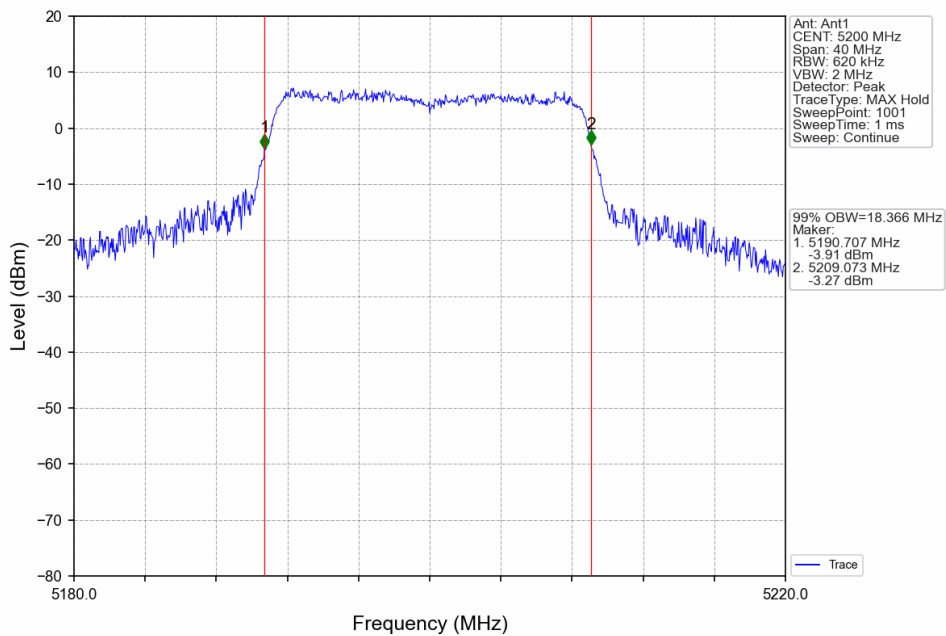
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



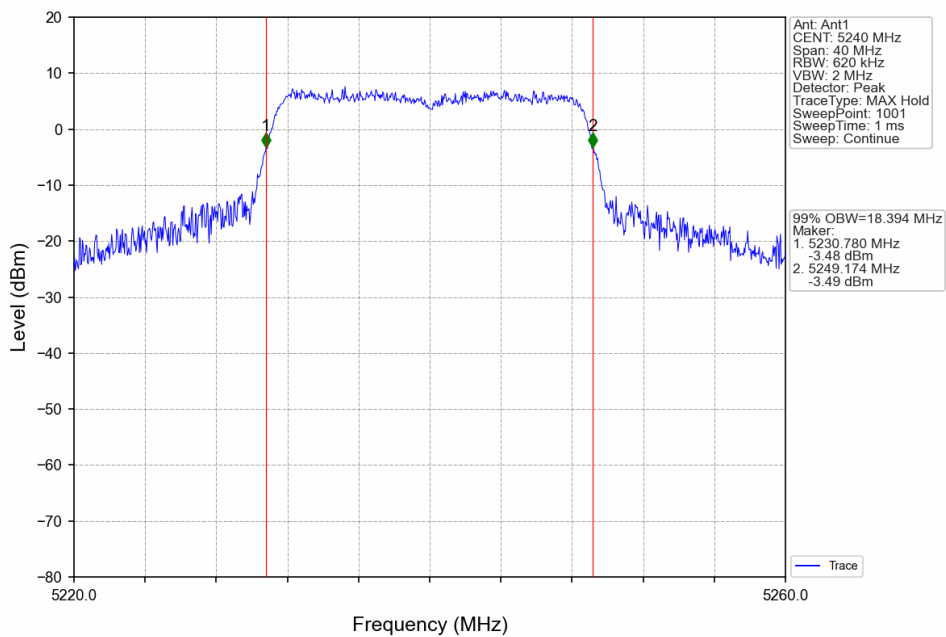
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



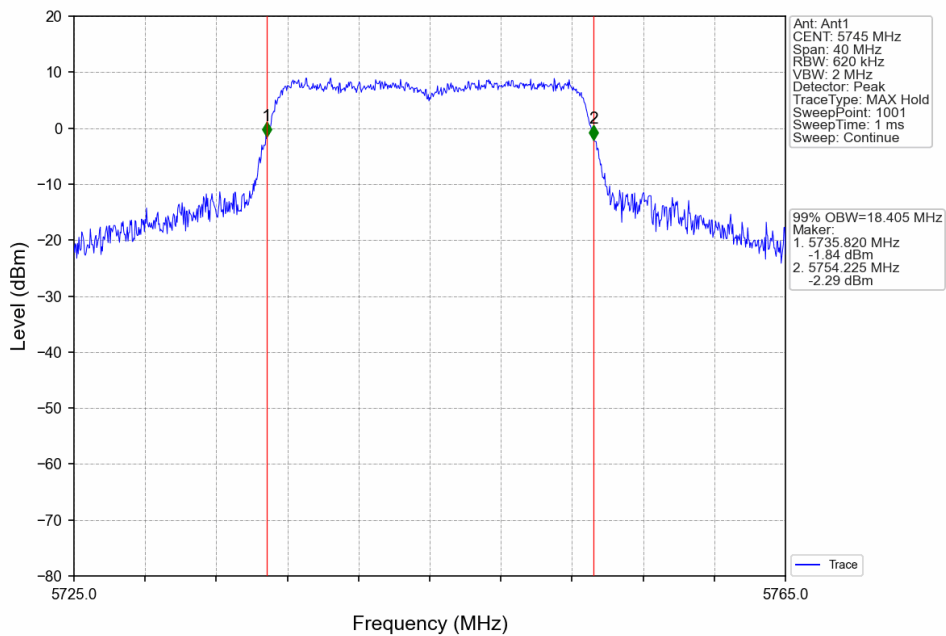
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV

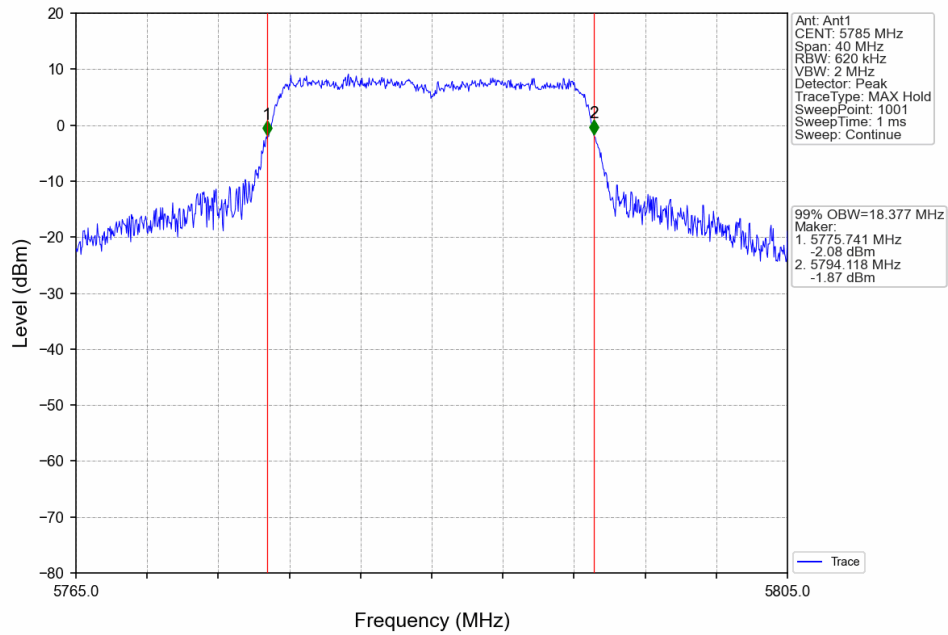


802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV

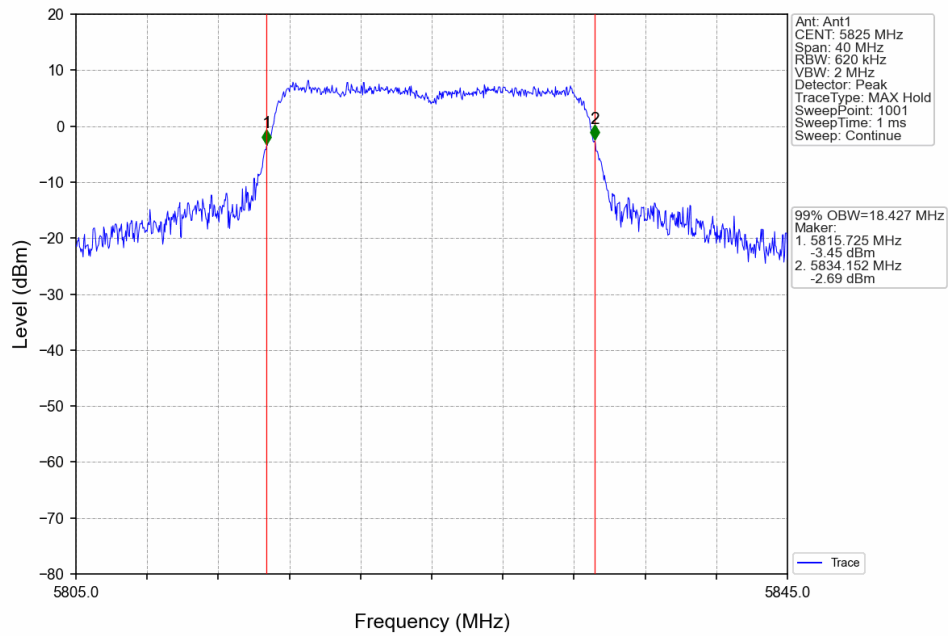




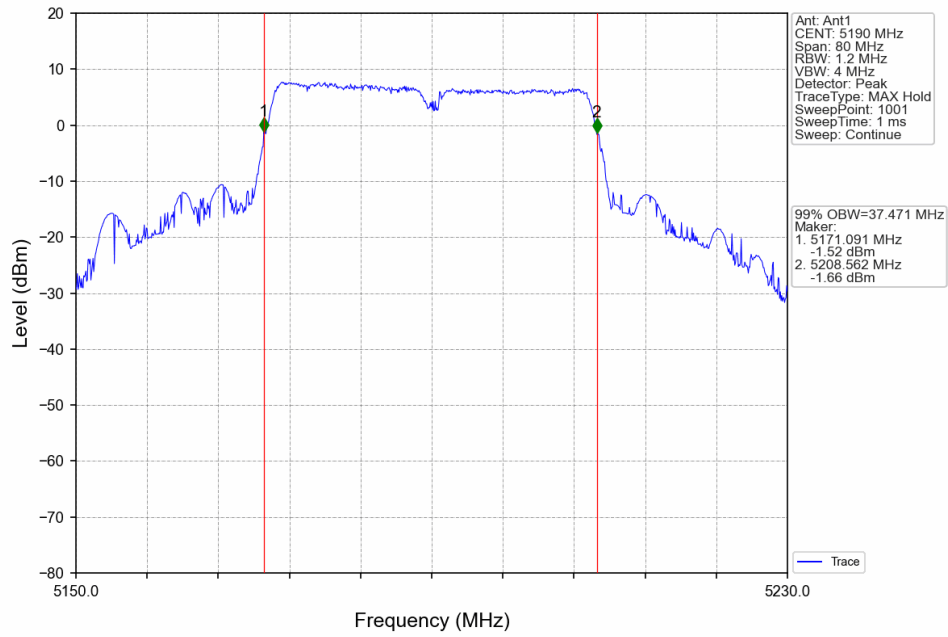
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



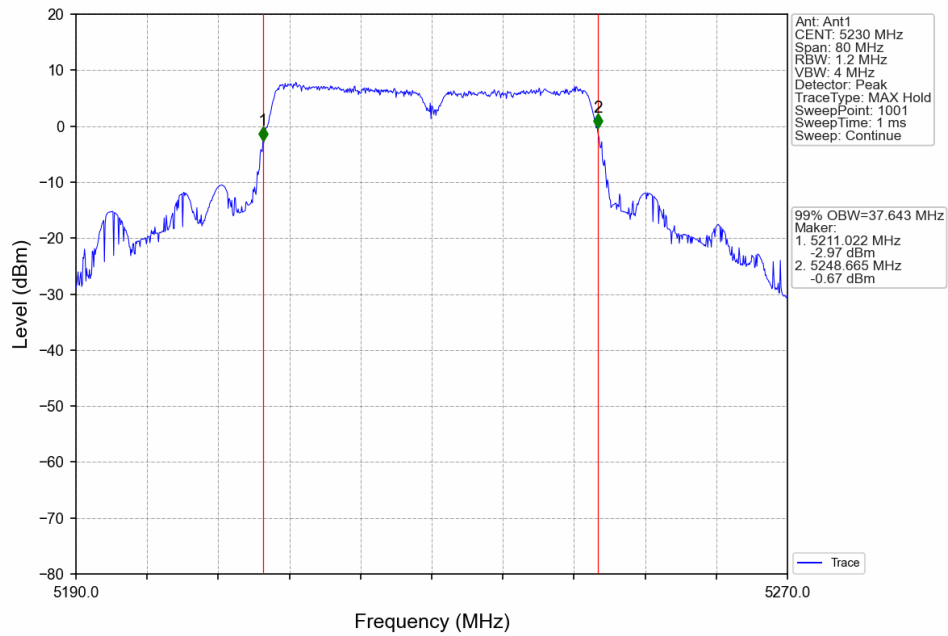
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



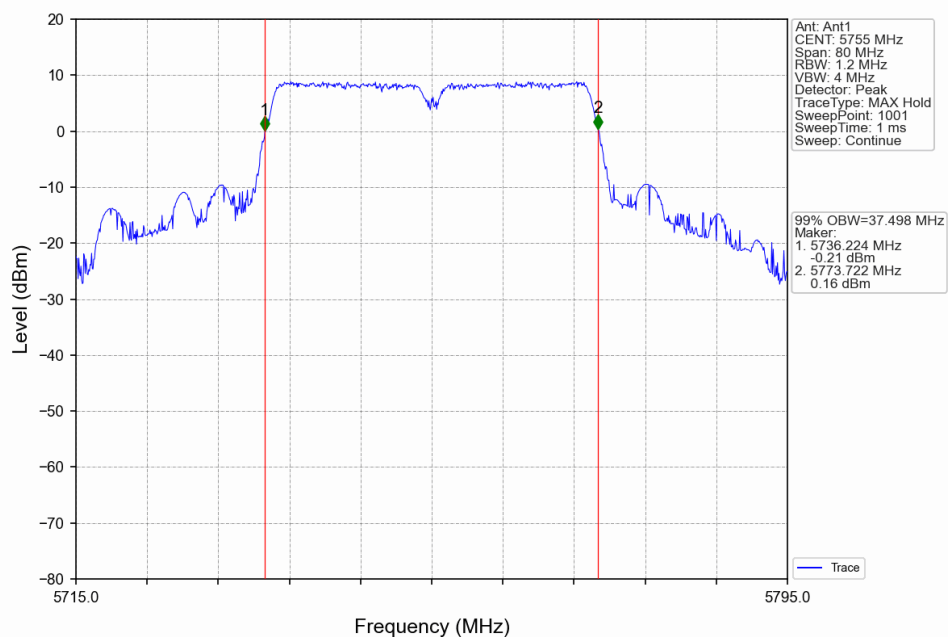
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



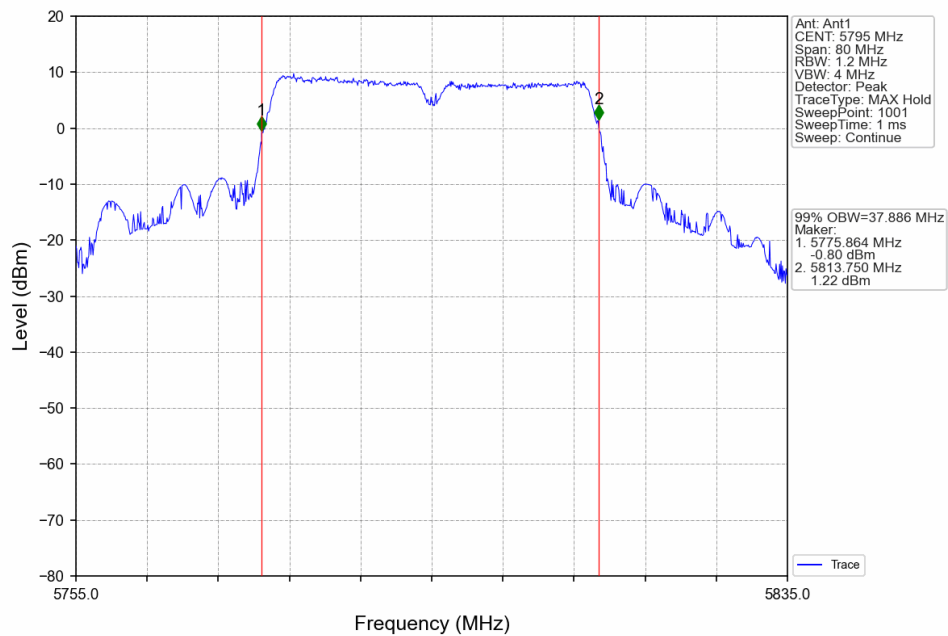
802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



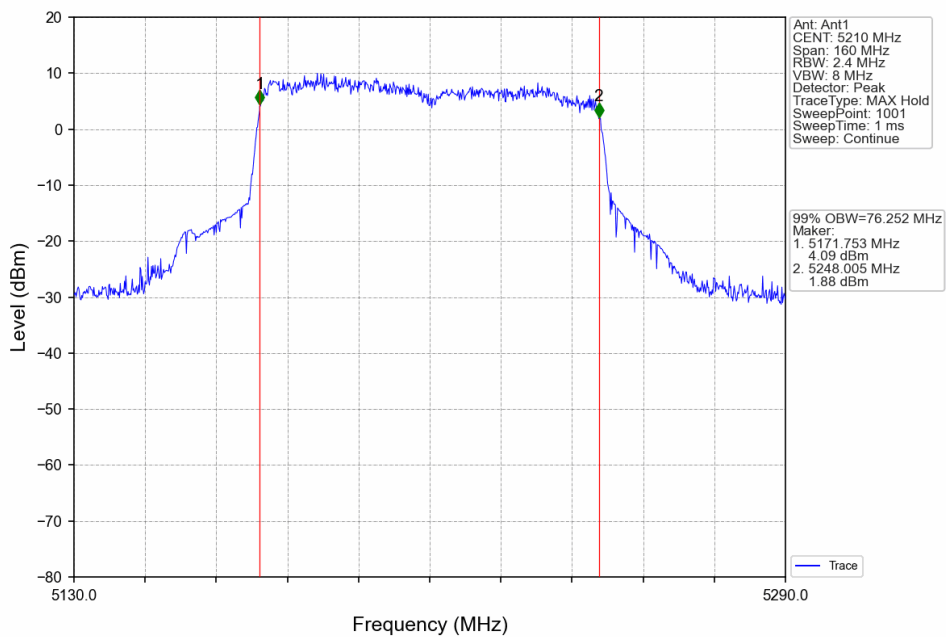
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



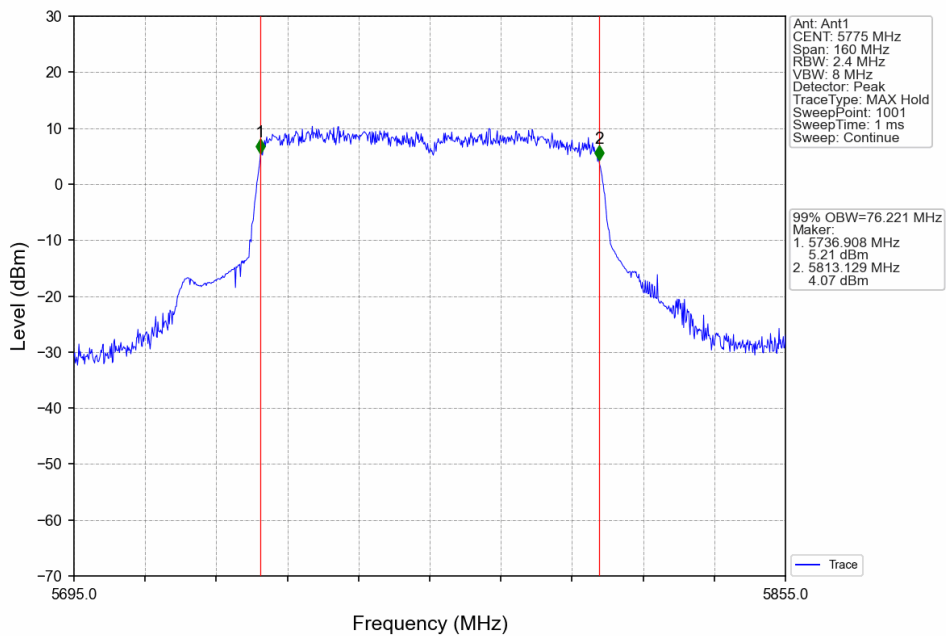
802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



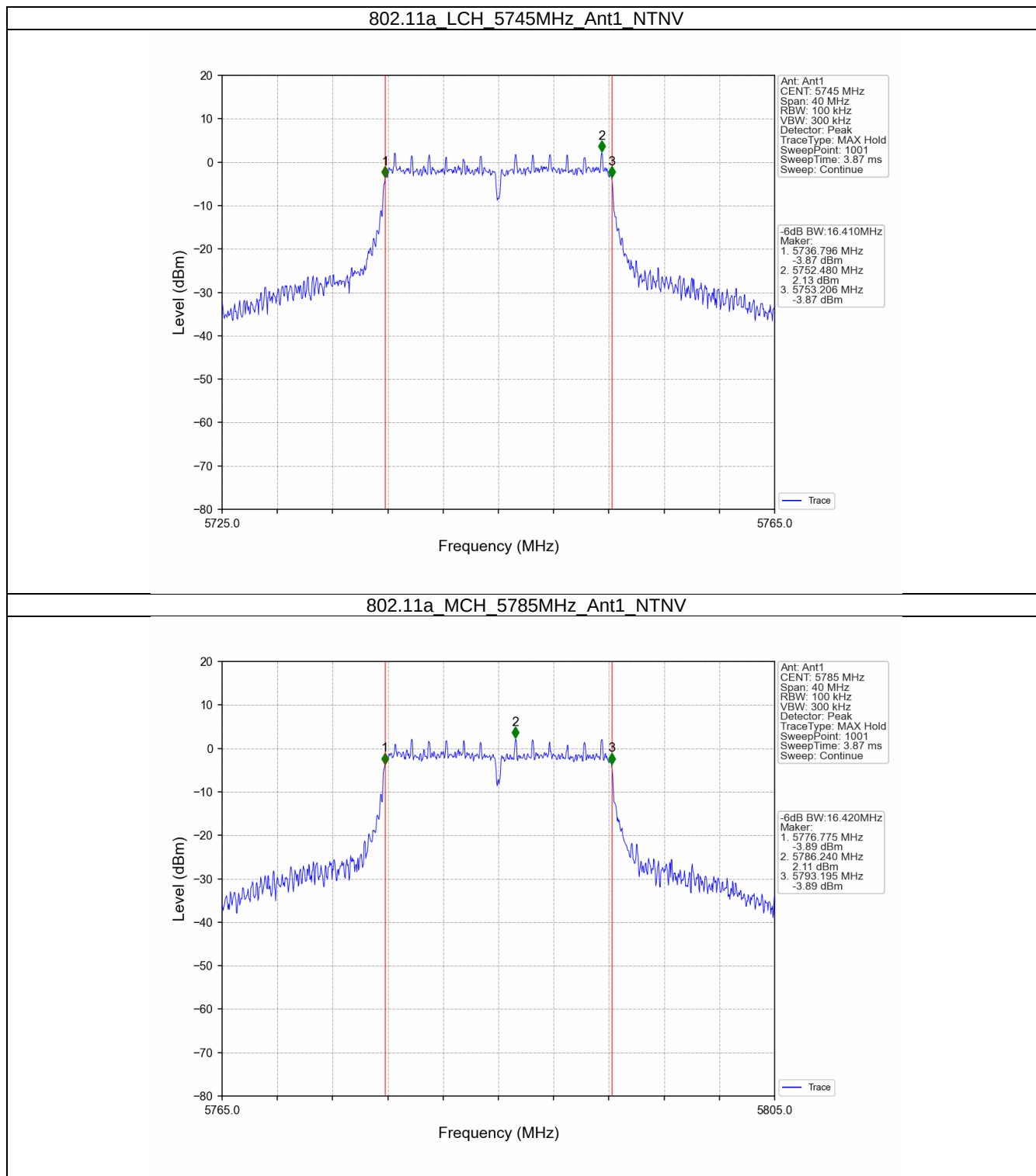
802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



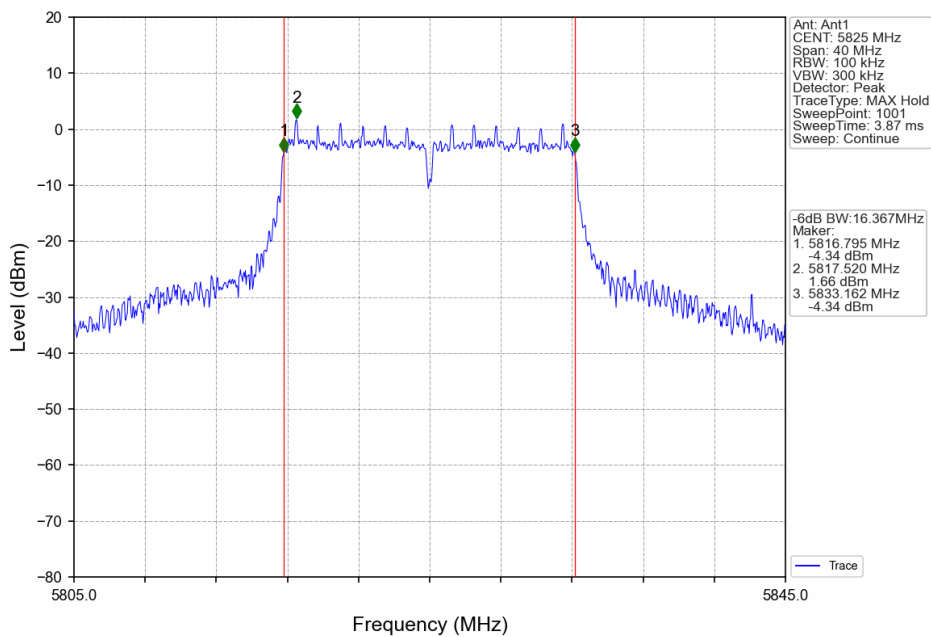
802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



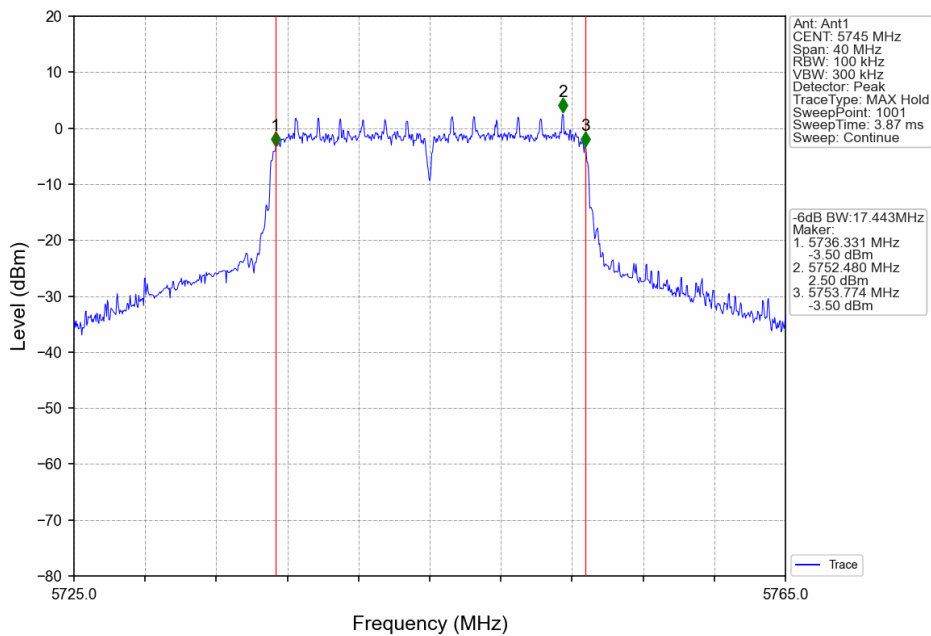
2.2.2 6dB BW



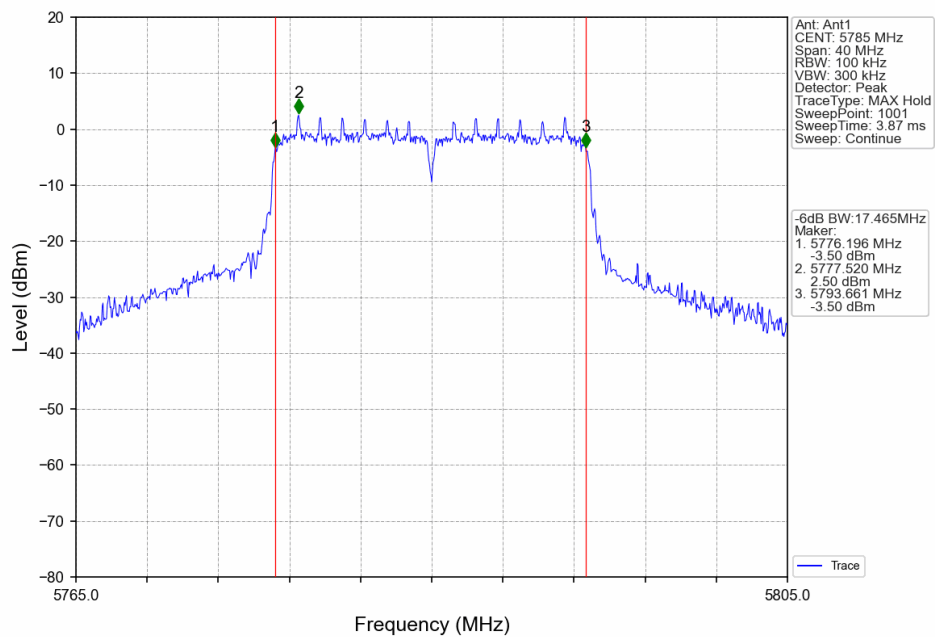
802.11a_HCH_5825MHz_Ant1_NTNV



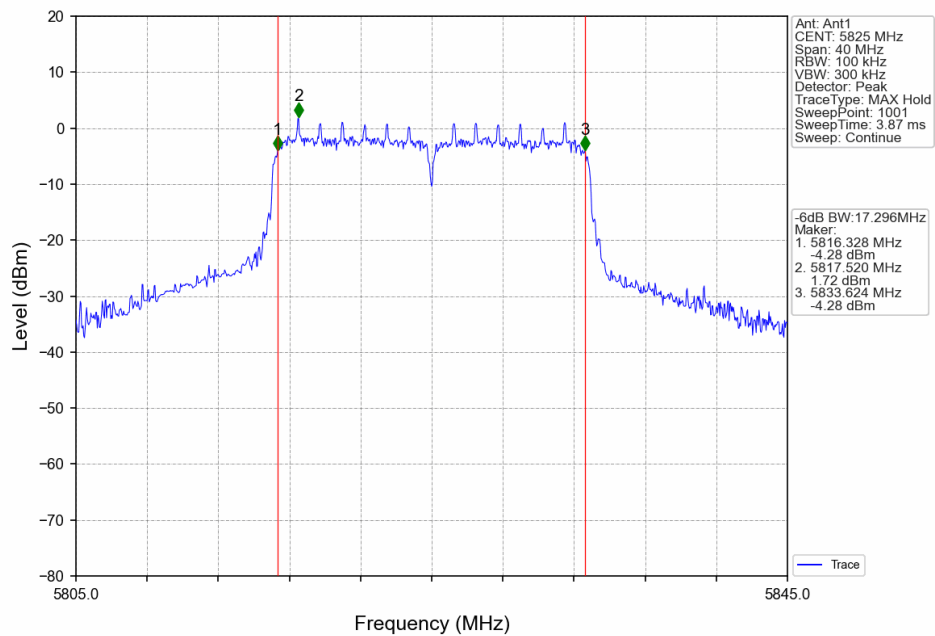
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



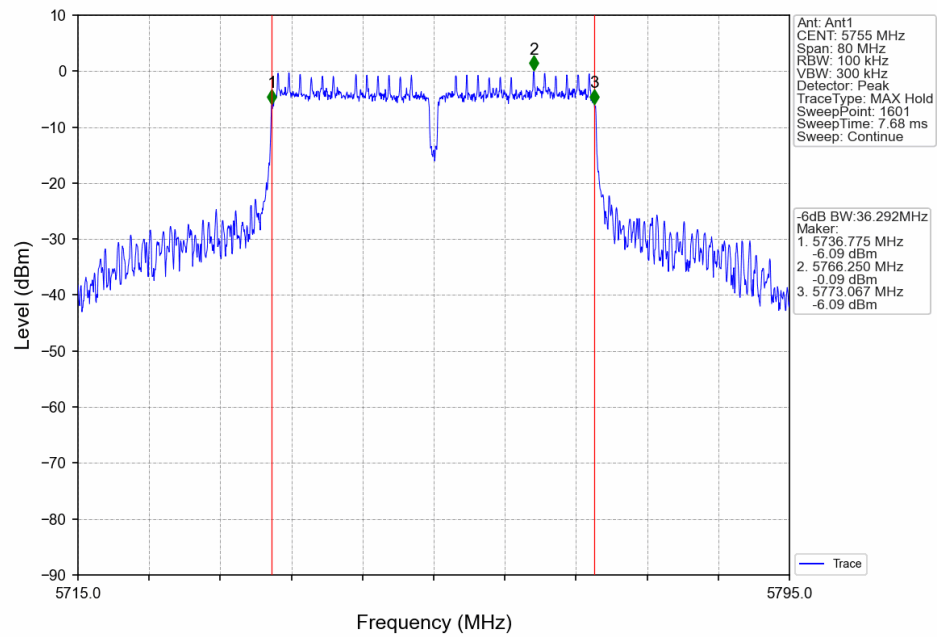
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



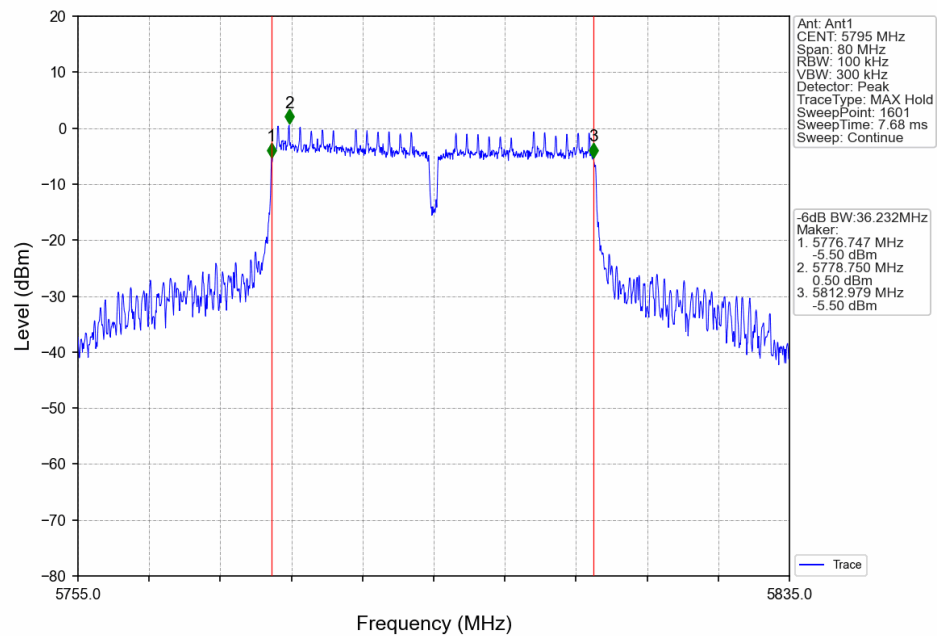
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



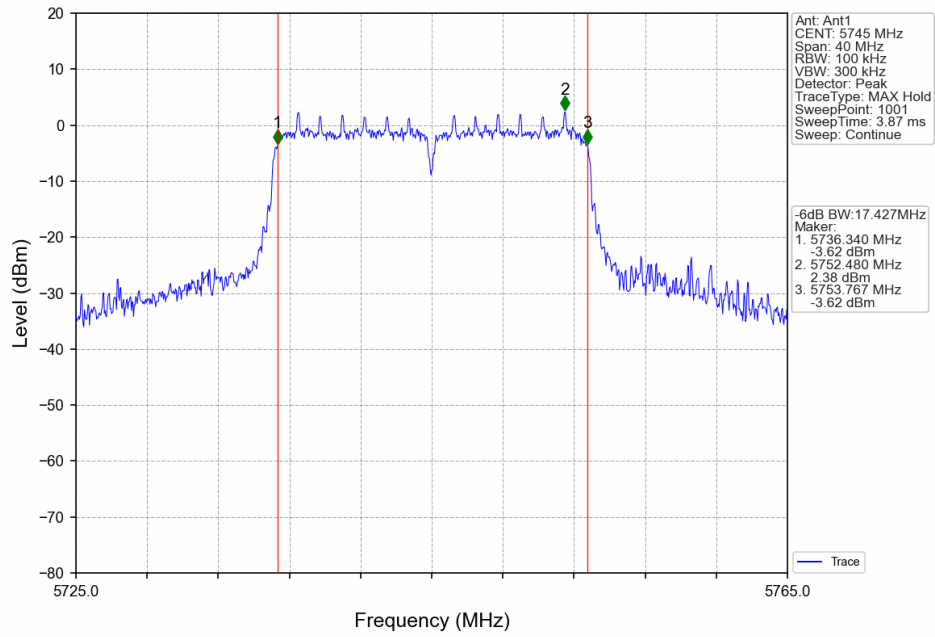
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



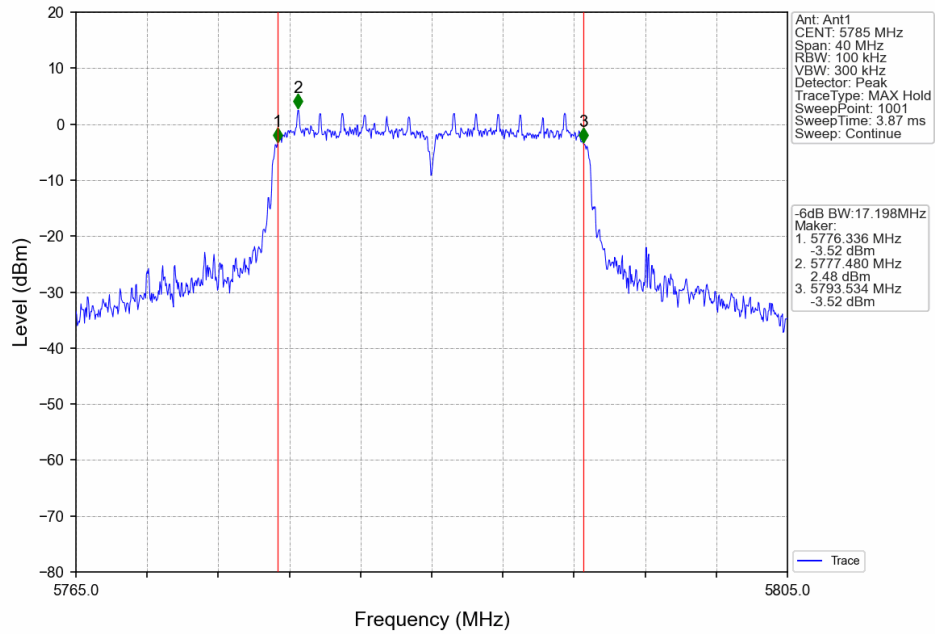
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



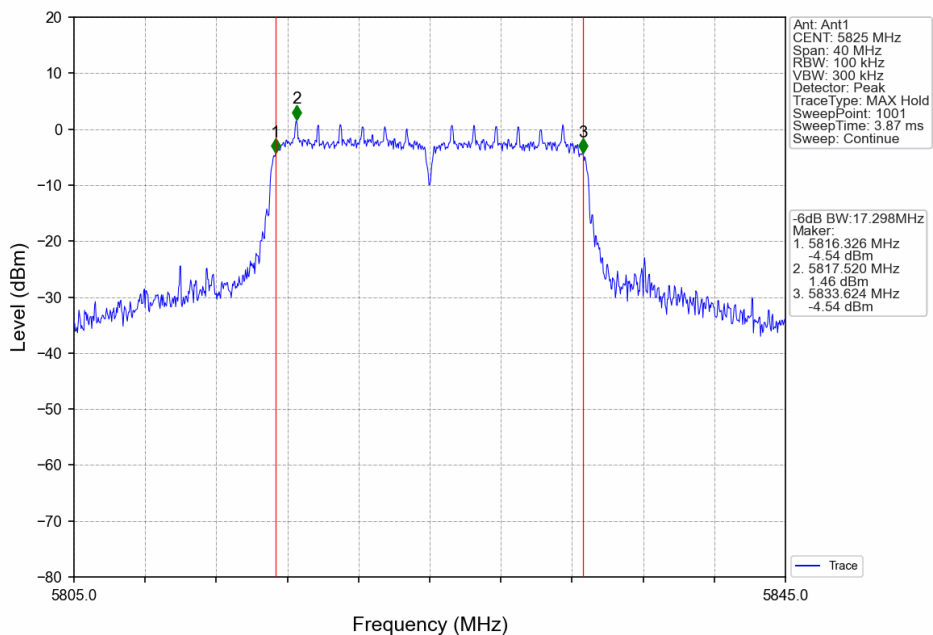
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



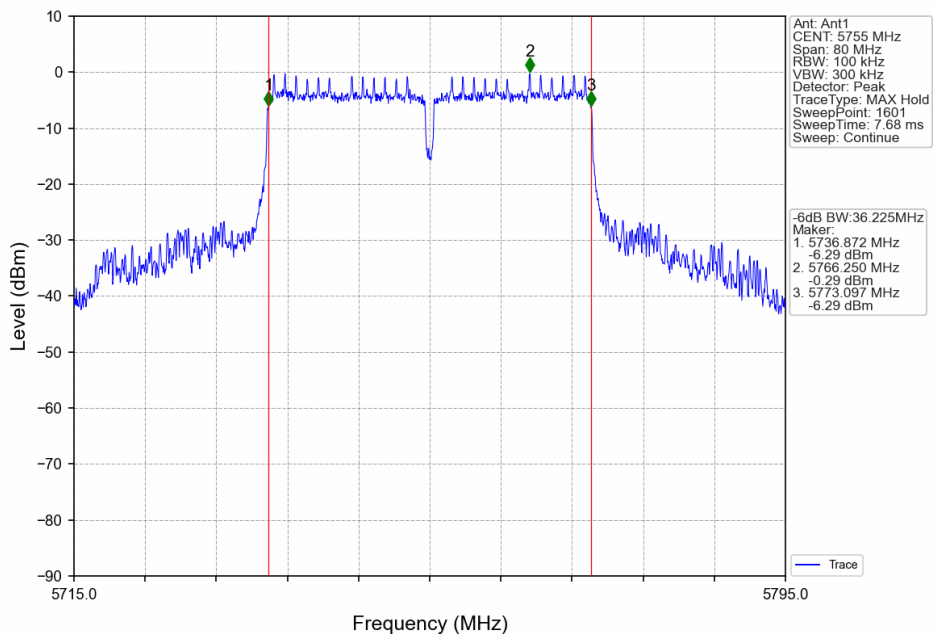
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



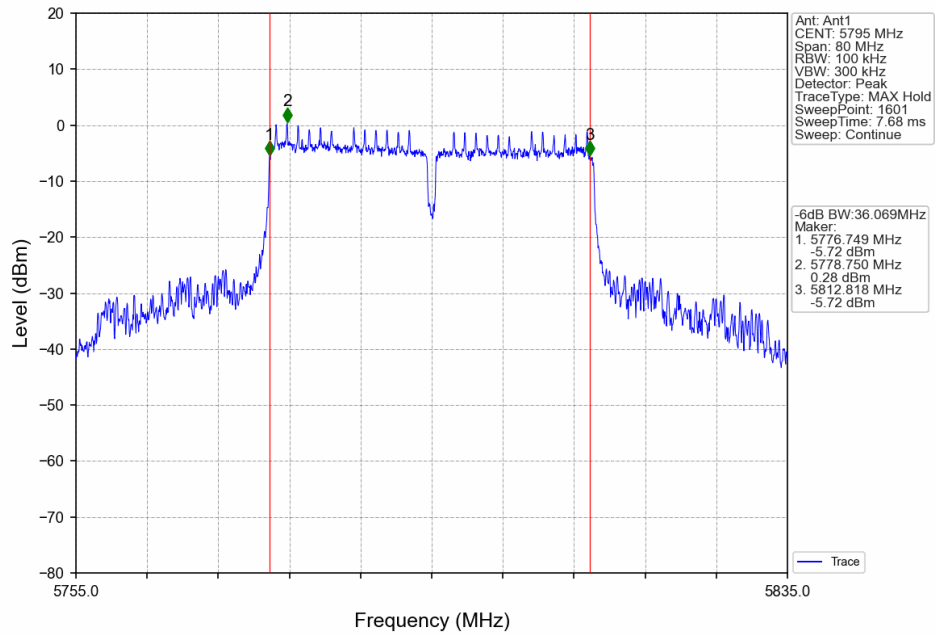
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



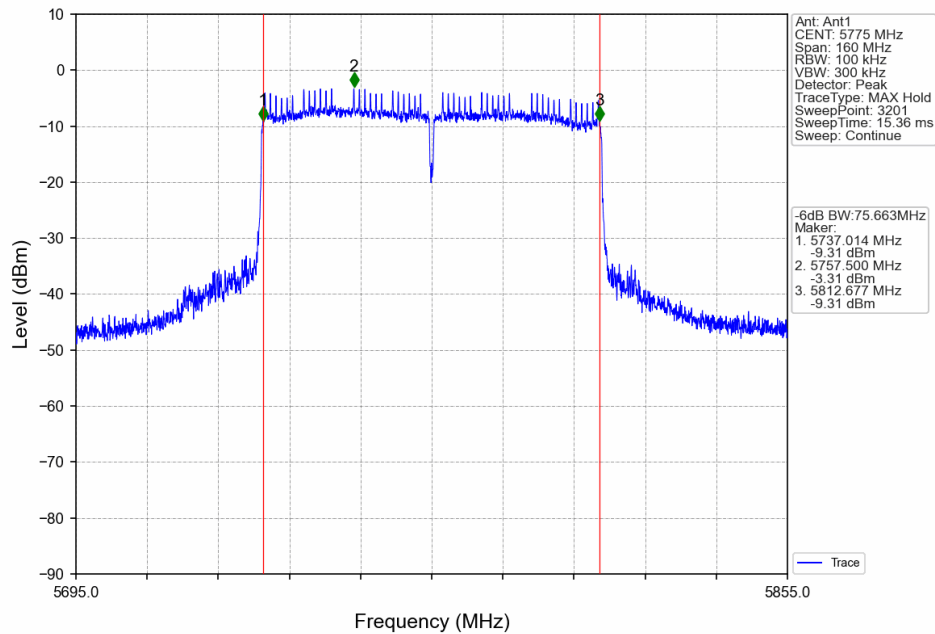
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



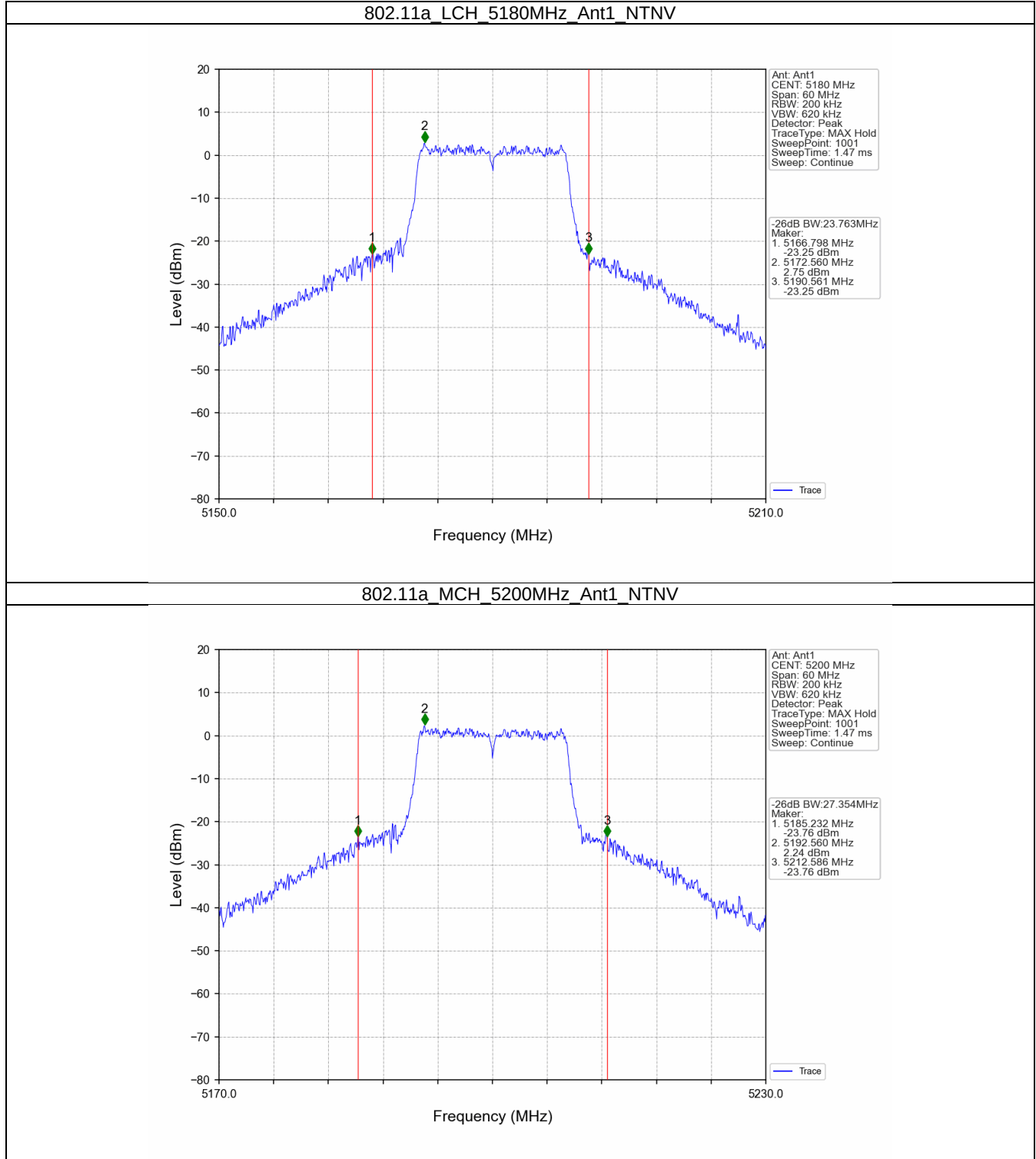
802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



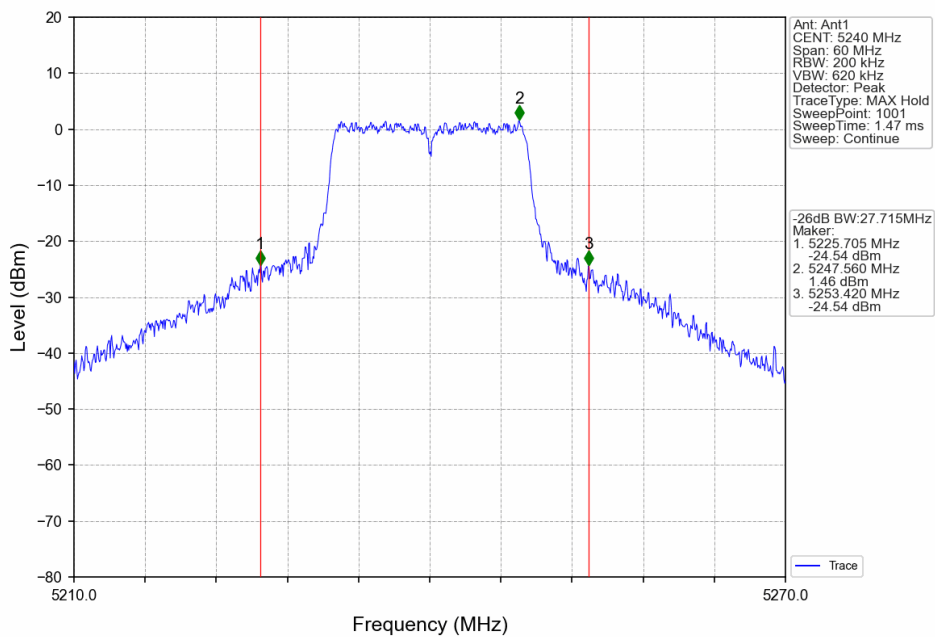
802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



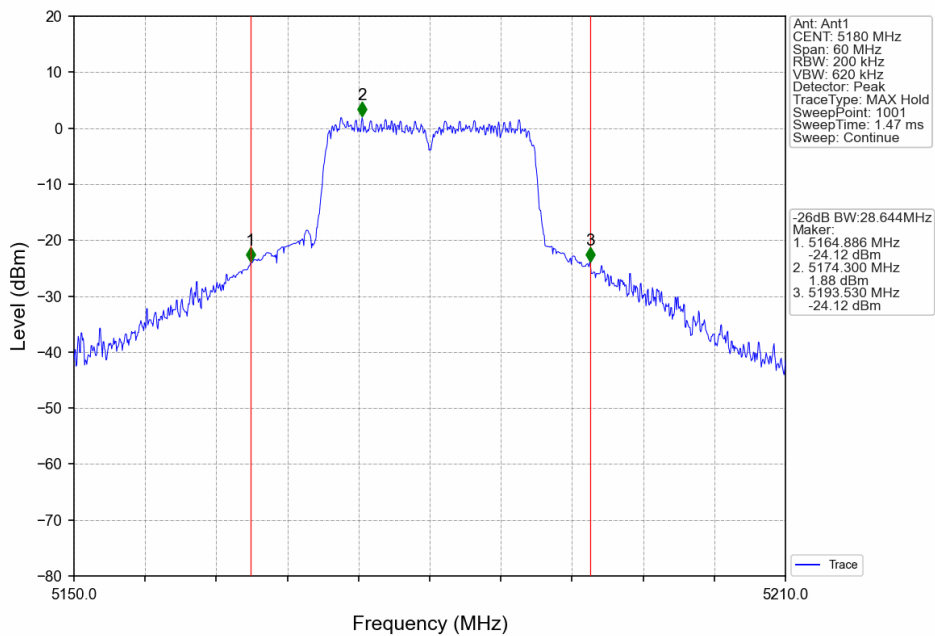
2.2.3 26dB BW



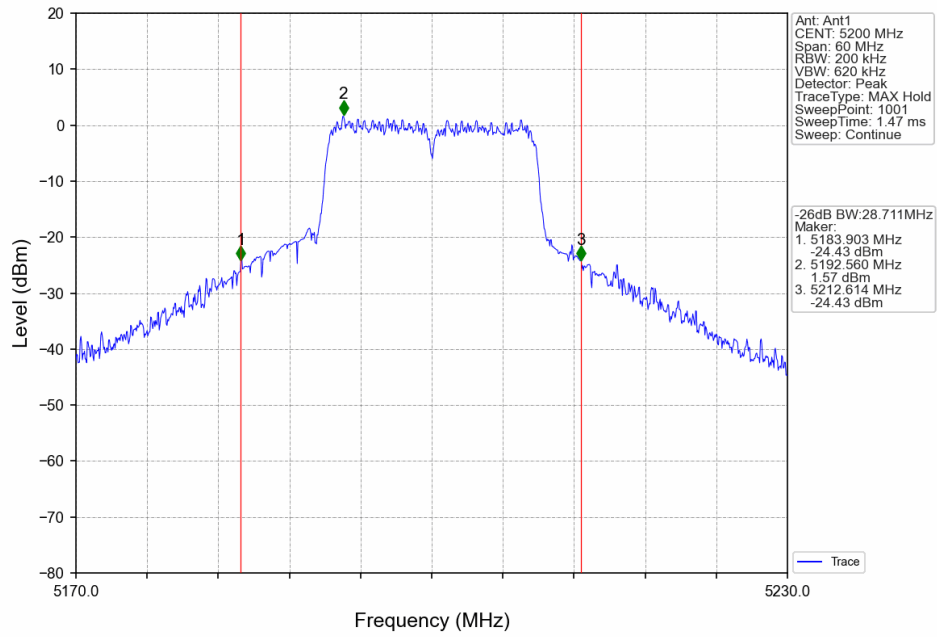
802.11a_HCH_5240MHz_Ant1_NTNV



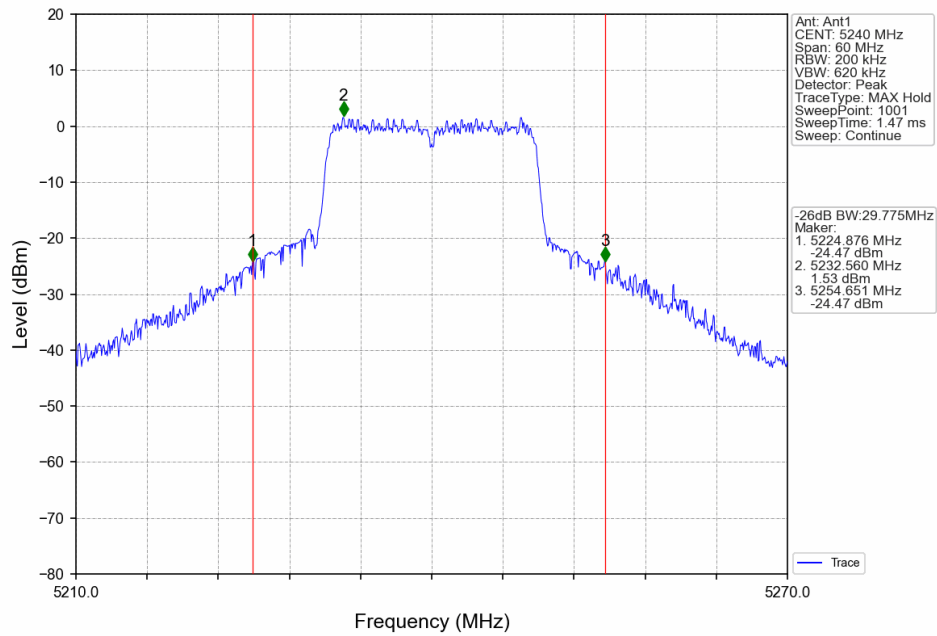
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



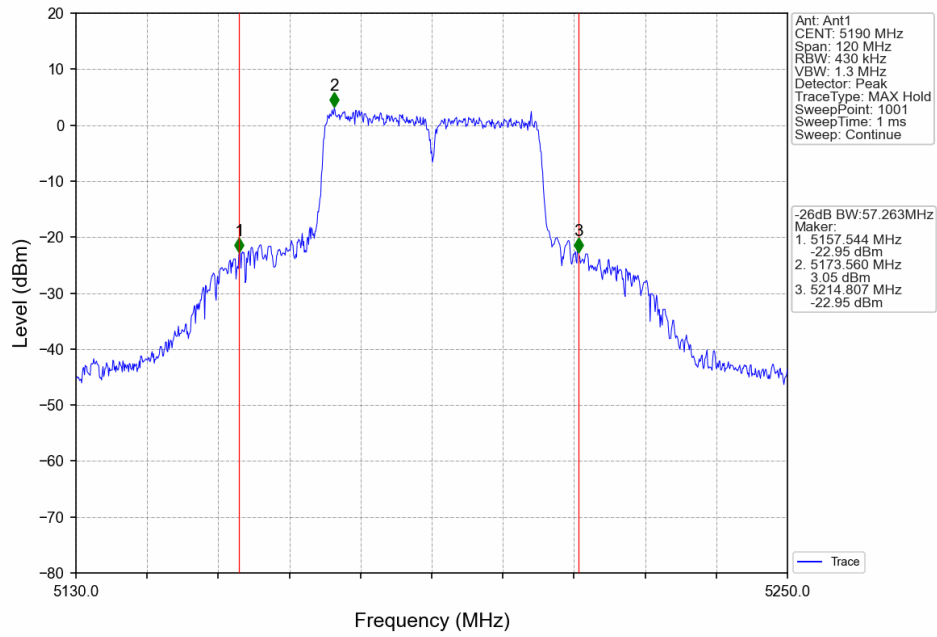
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



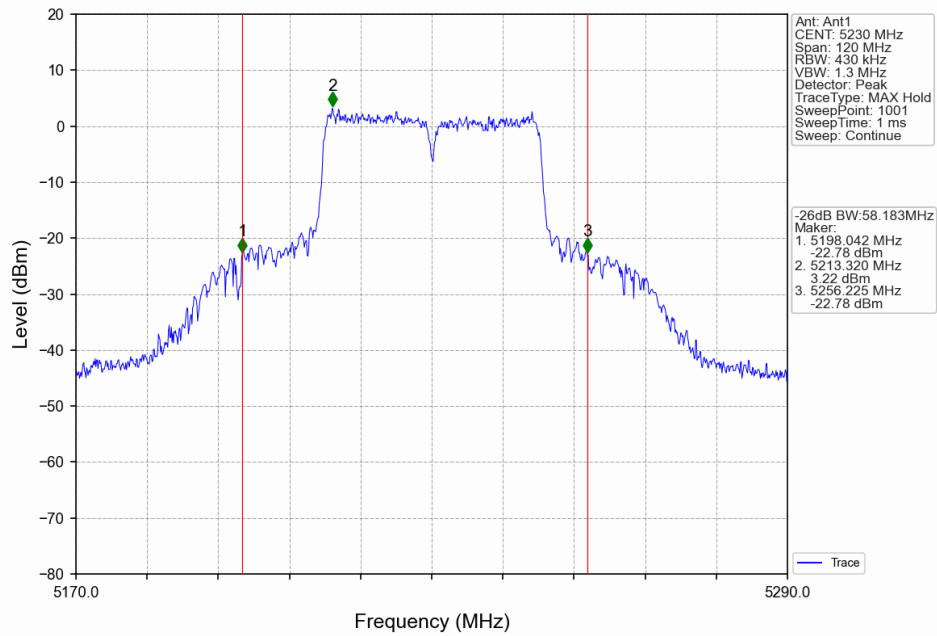
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



802.11n(HT40)_LCH_5190MHz_Ant1_NTNV

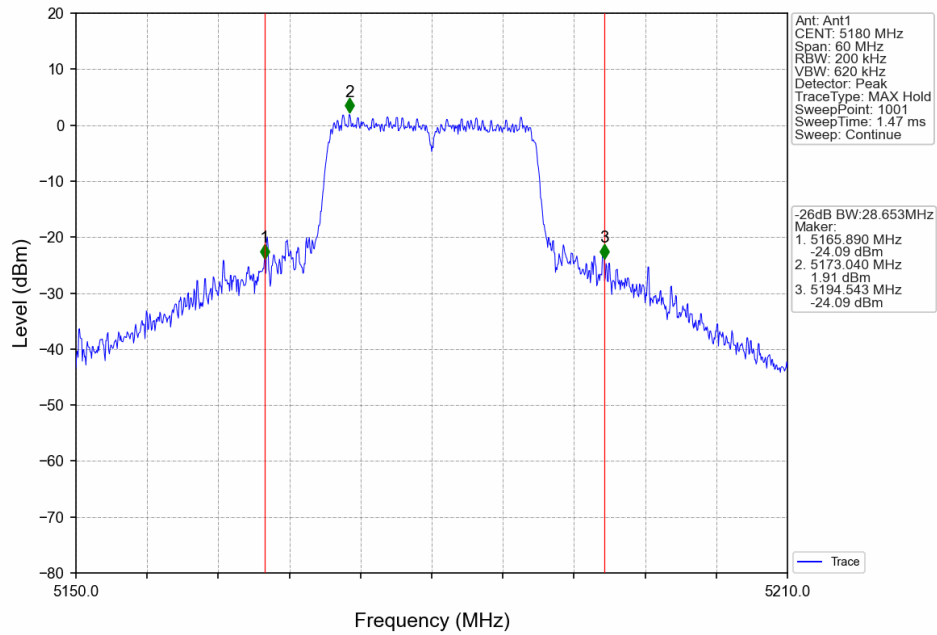


802.11n(HT40)_HCH_5230MHz_Ant1_NTNV

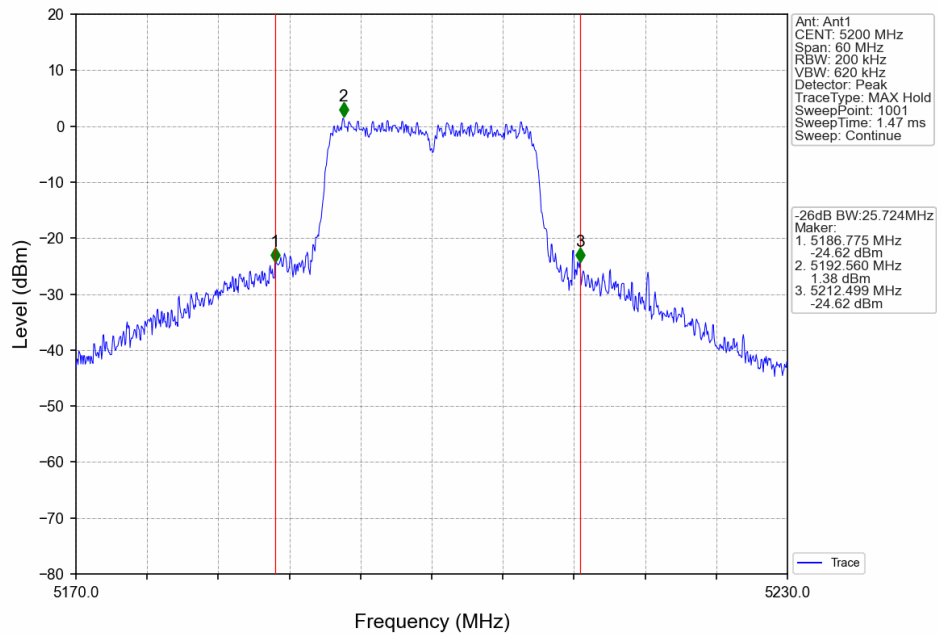




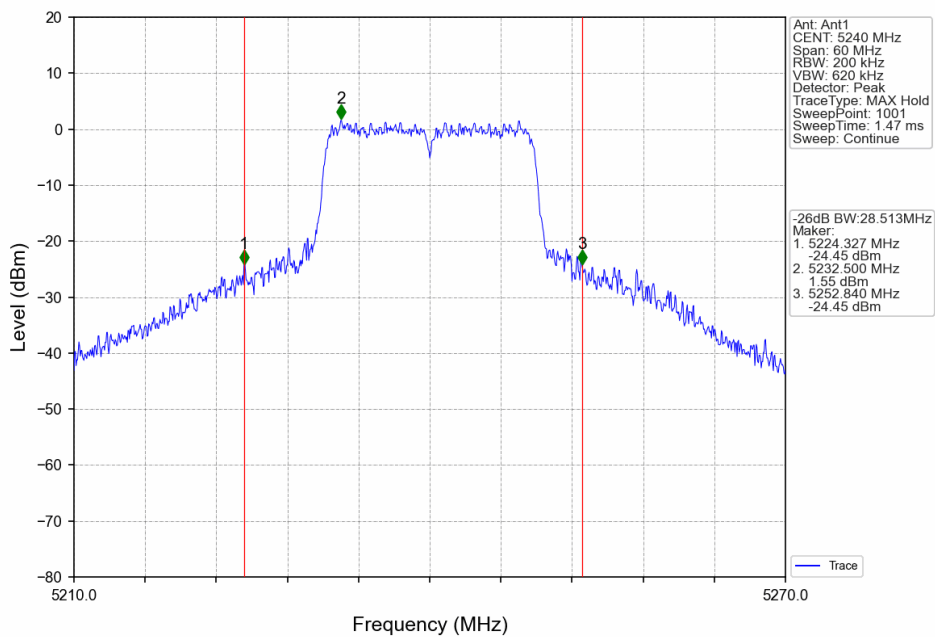
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



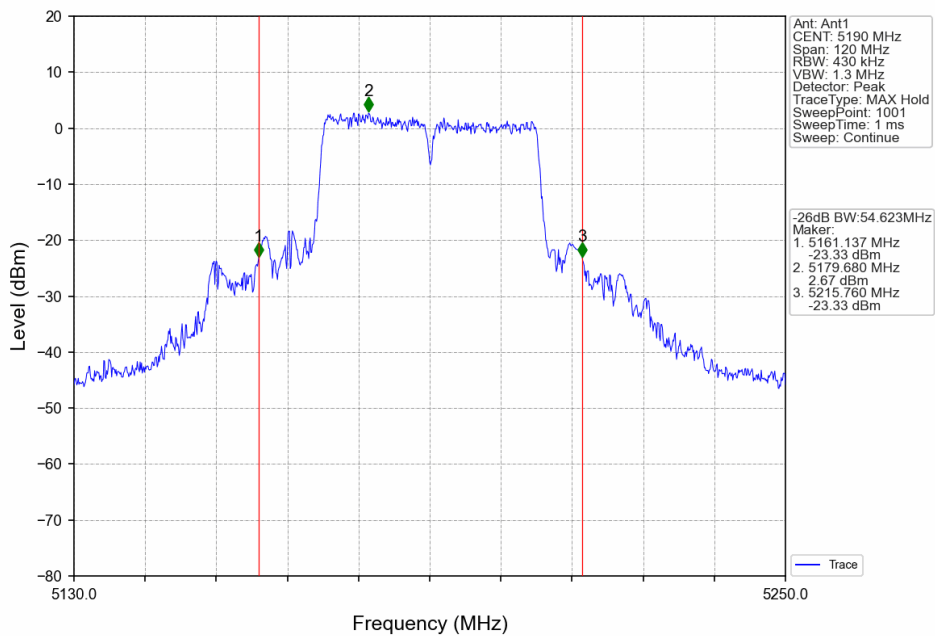
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



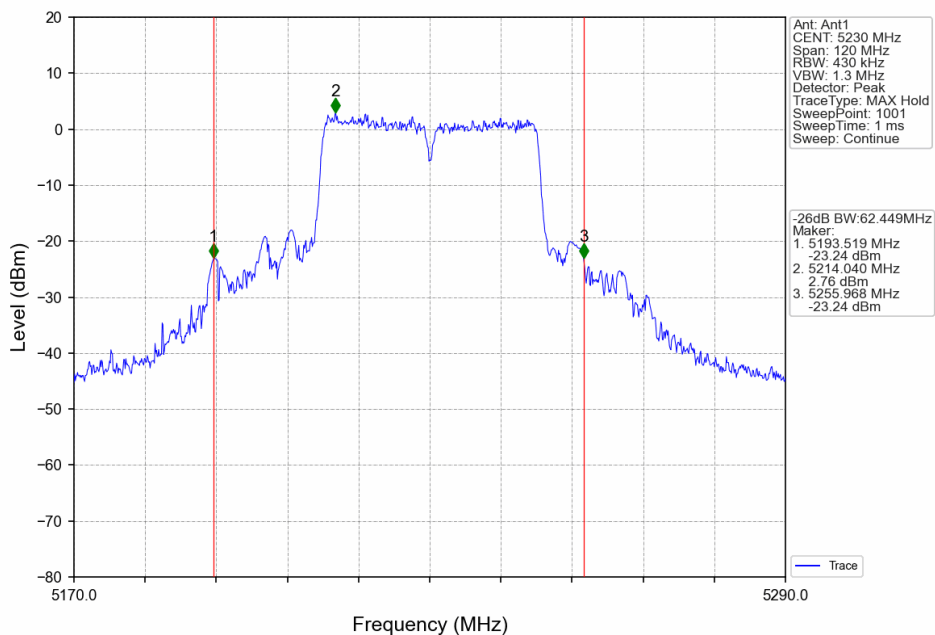
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



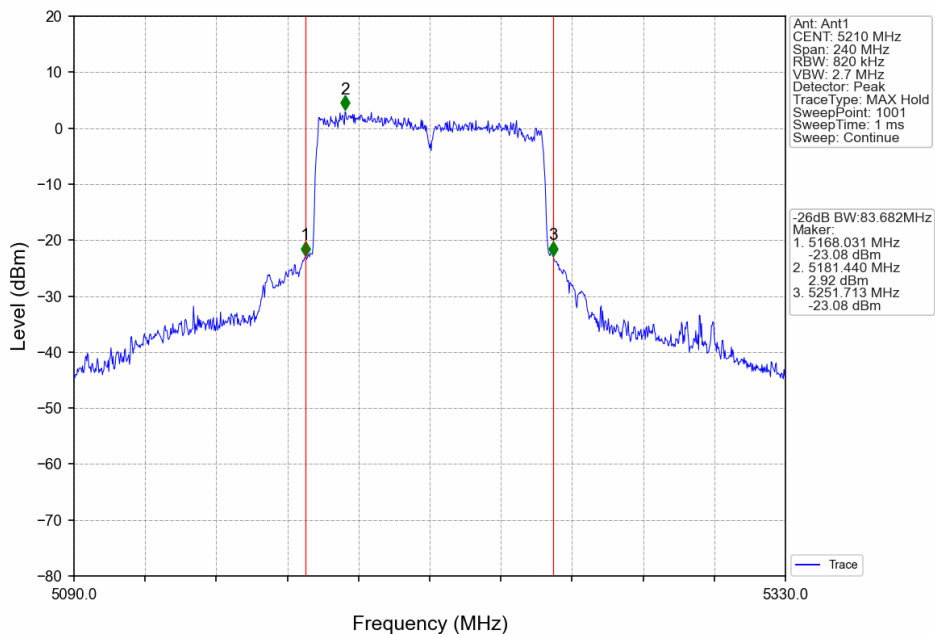
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



3. Maximum Conducted Output Power

3.1 Test Result

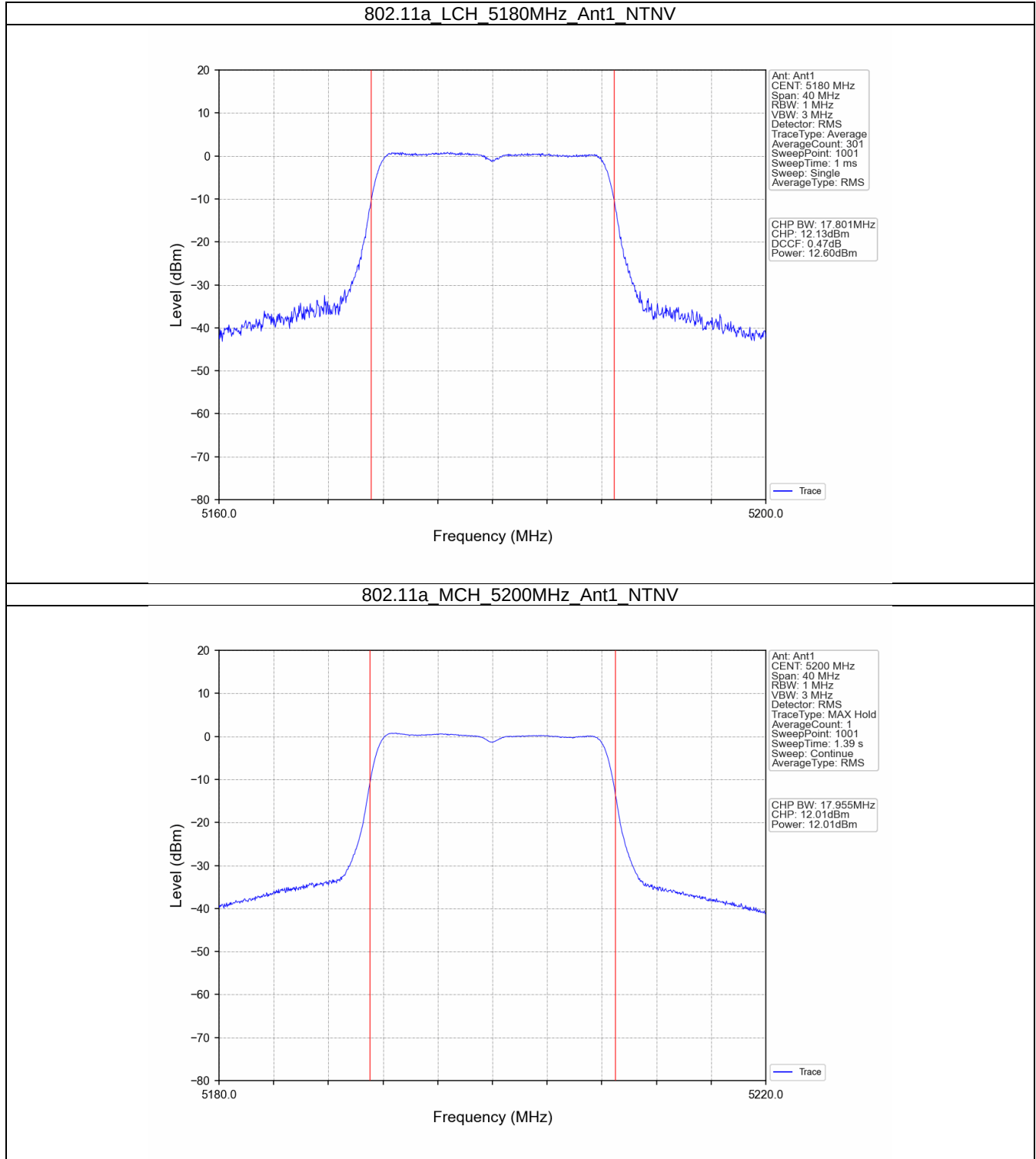
3.1.1 Power

Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
802.11a	SISO	5180	12.60	<=23.98	Pass
		5200	12.01	<=23.98	Pass
		5240	11.94	<=23.98	Pass
		5745	13.17	<=30	Pass
		5785	13.40	<=30	Pass
		5825	12.13	<=30	Pass
802.11n (HT20)	SISO	5180	11.98	<=23.98	Pass
		5200	11.32	<=23.98	Pass
		5240	11.76	<=23.98	Pass
		5745	13.46	<=30	Pass
		5785	13.42	<=30	Pass
		5825	12.23	<=30	Pass
802.11n (HT40)	SISO	5190	12.36	<=23.98	Pass
		5230	12.21	<=23.98	Pass
		5755	13.90	<=30	Pass
		5795	13.86	<=30	Pass
802.11ac (VHT20)	SISO	5180	11.82	<=23.98	Pass
		5200	11.35	<=23.98	Pass
		5240	11.59	<=23.98	Pass
		5745	13.11	<=30	Pass
		5785	13.28	<=30	Pass
		5825	12.04	<=30	Pass
802.11ac (VHT40)	SISO	5190	12.10	<=23.98	Pass
		5230	11.98	<=23.98	Pass
		5755	13.78	<=30	Pass
		5795	13.63	<=30	Pass
802.11ac (VHT80)	SISO	5210	11.80	<=23.98	Pass
		5775	13.37	<=30	Pass

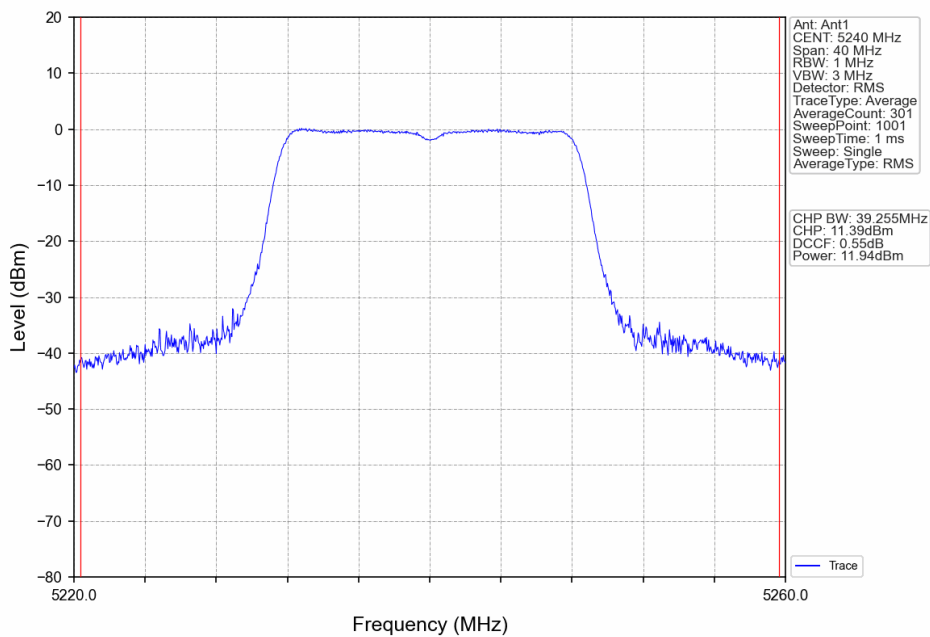
Note1: Antenna Gain: Ant1: 1.32dBi;

3.2 Test Graph

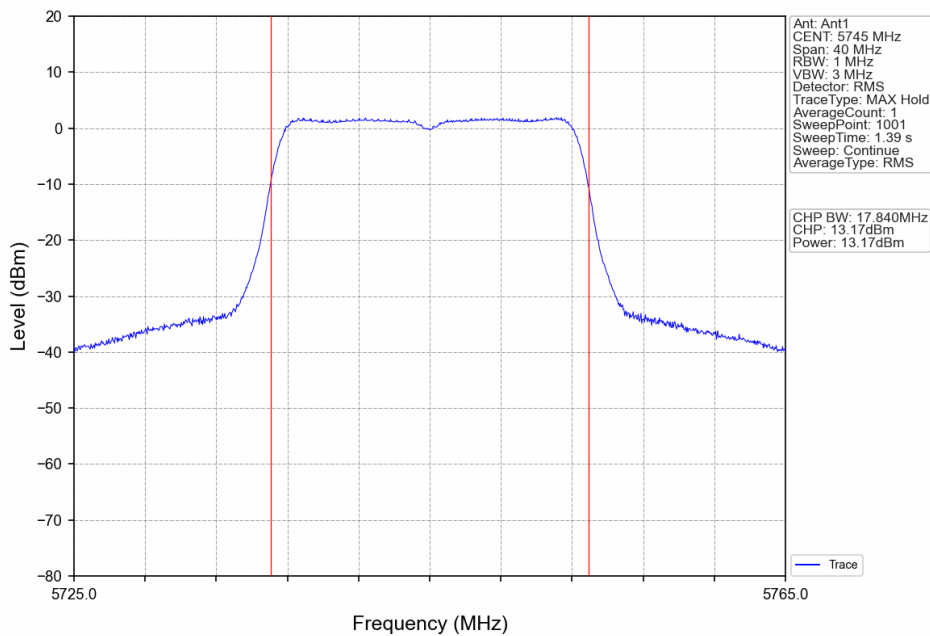
3.2.1 Power



802.11a_HCH_5240MHz_Ant1_NTNV

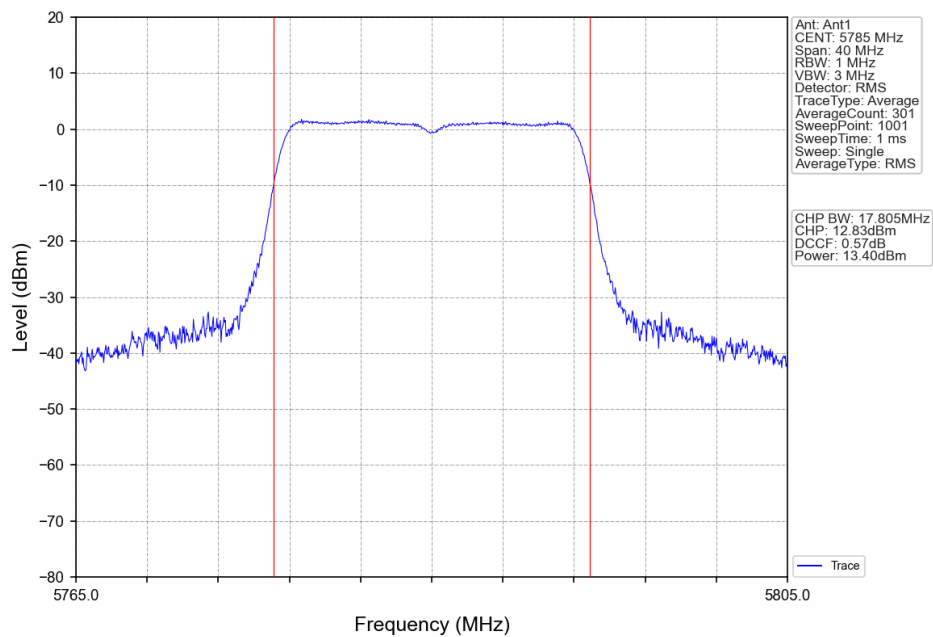


802.11a_LCH_5745MHz_Ant1_NTNV

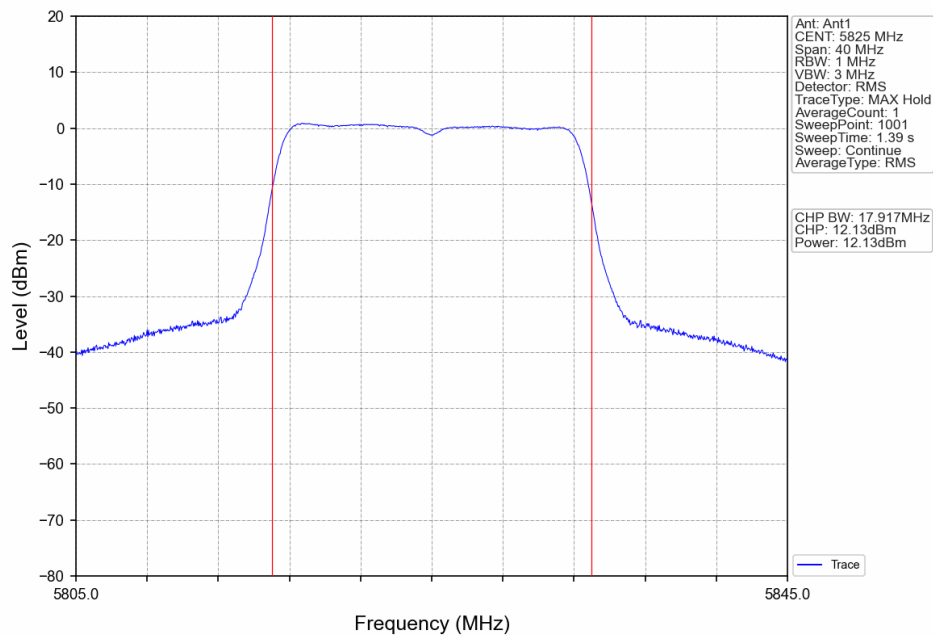




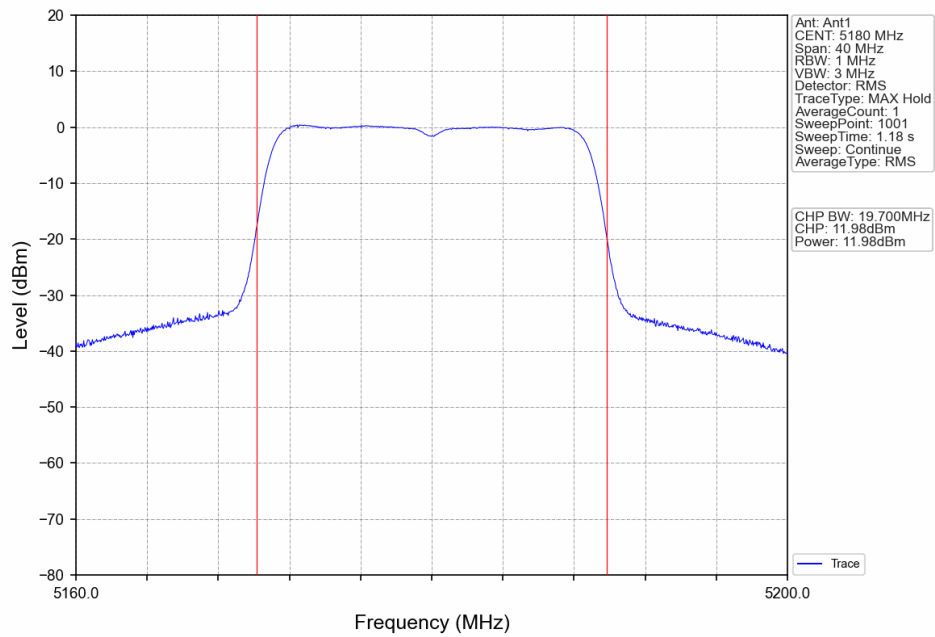
802.11a_MCH_5785MHz_Ant1_NTNV



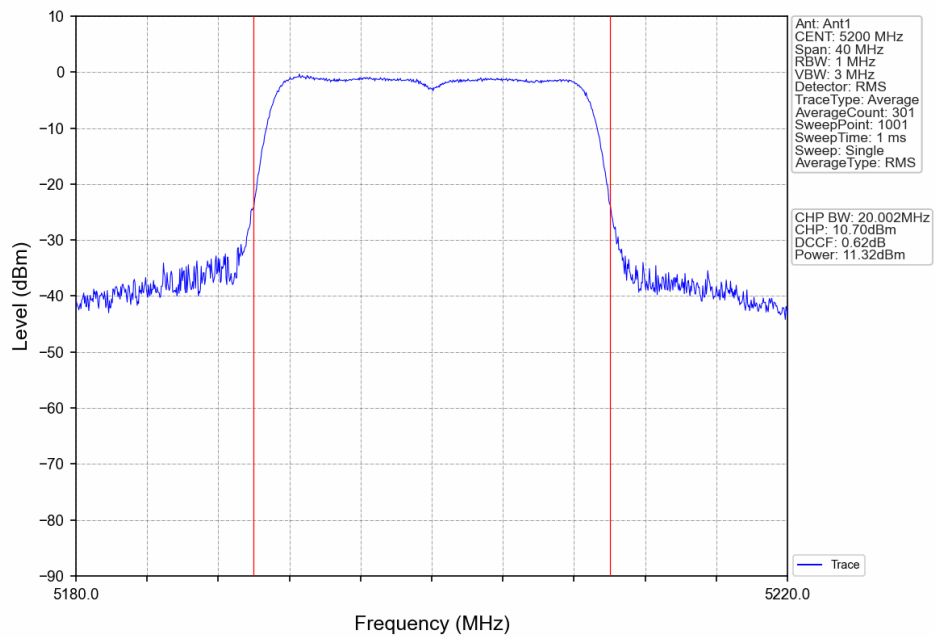
802.11a_HCH_5825MHz_Ant1_NTNV



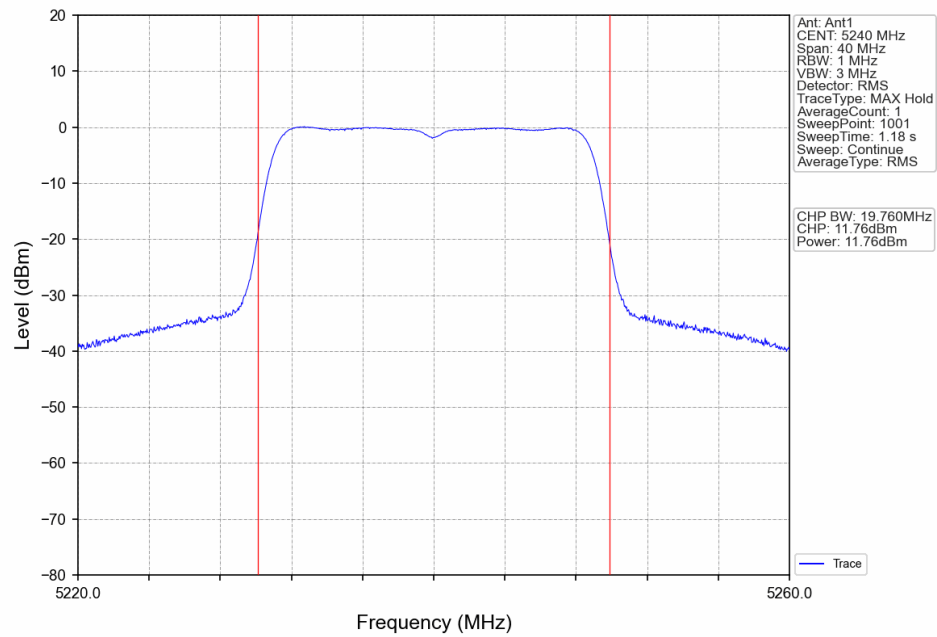
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



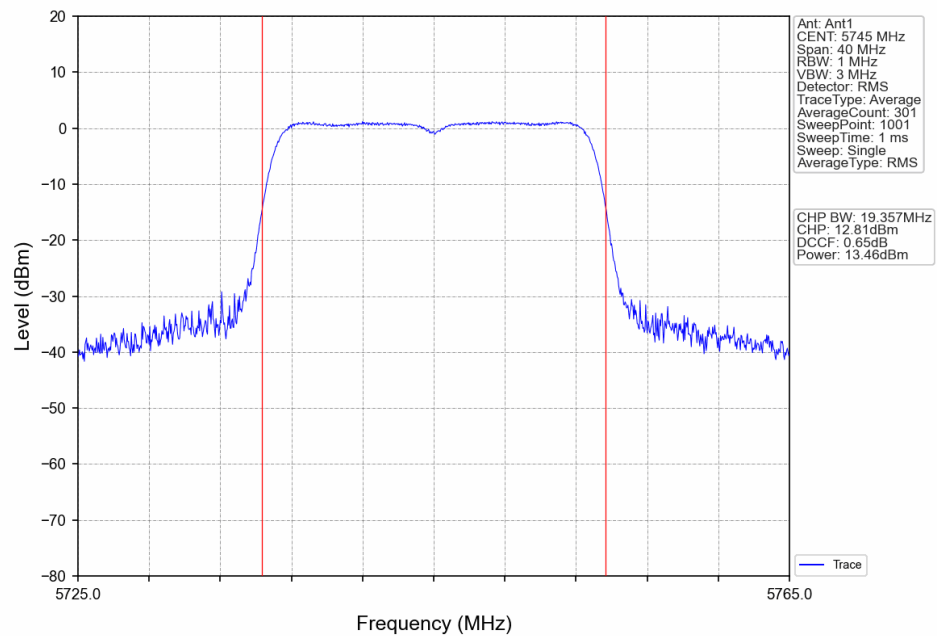
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



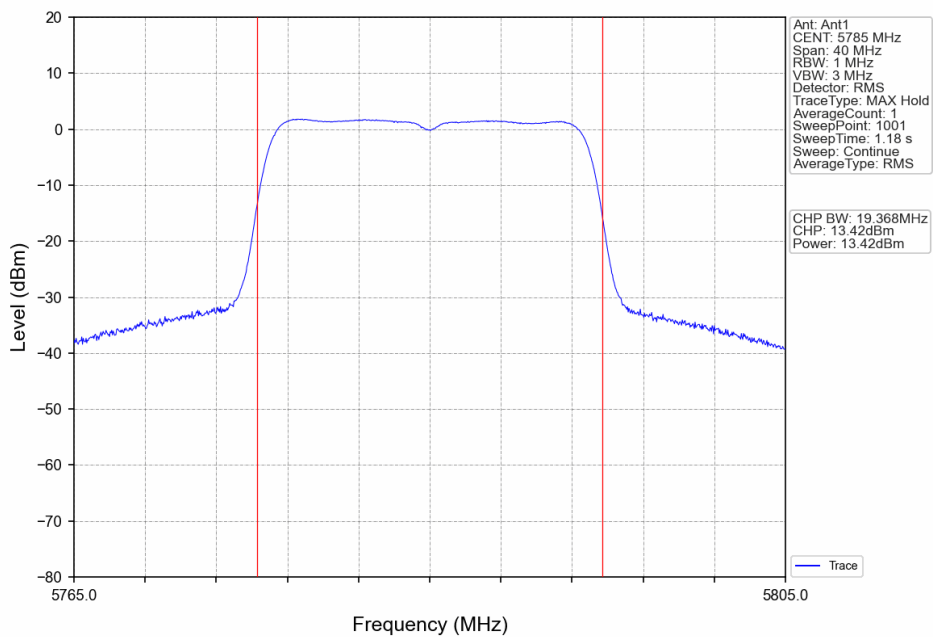
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



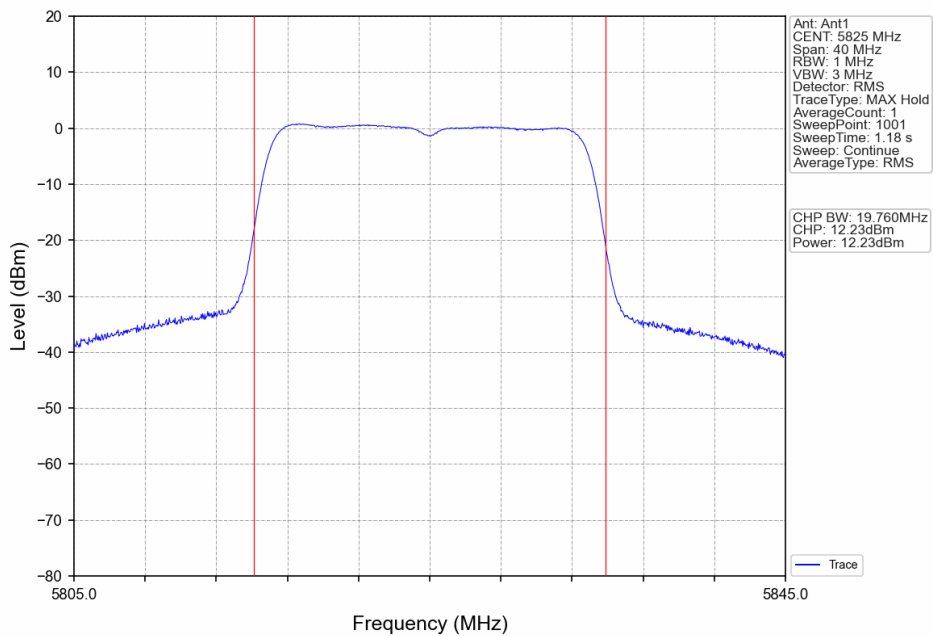
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



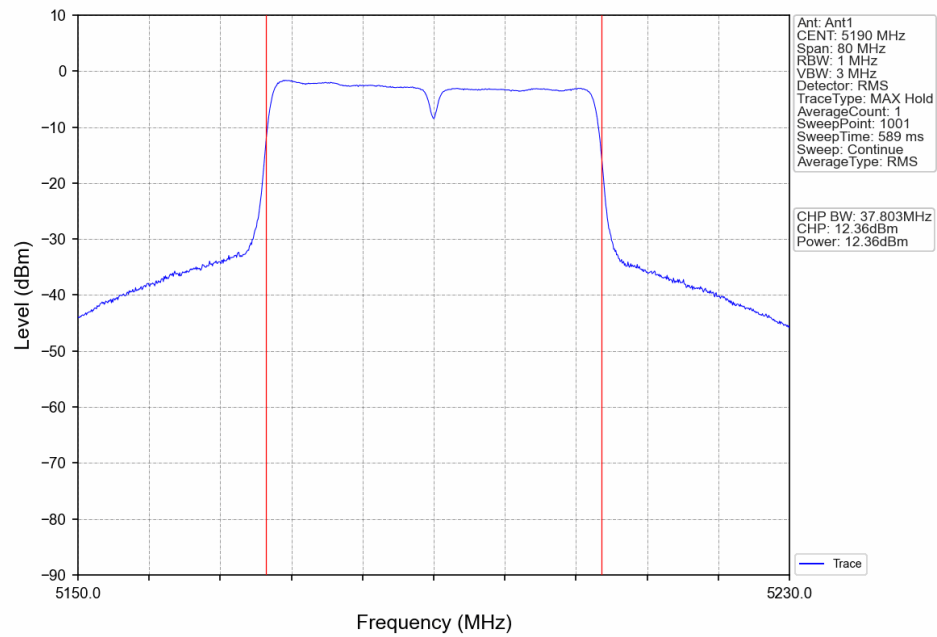
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



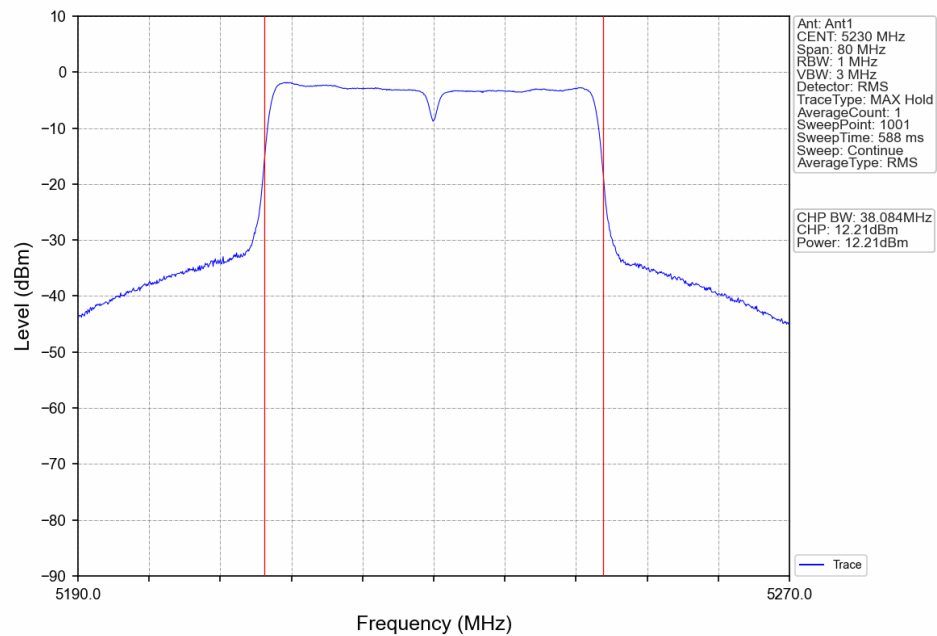
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



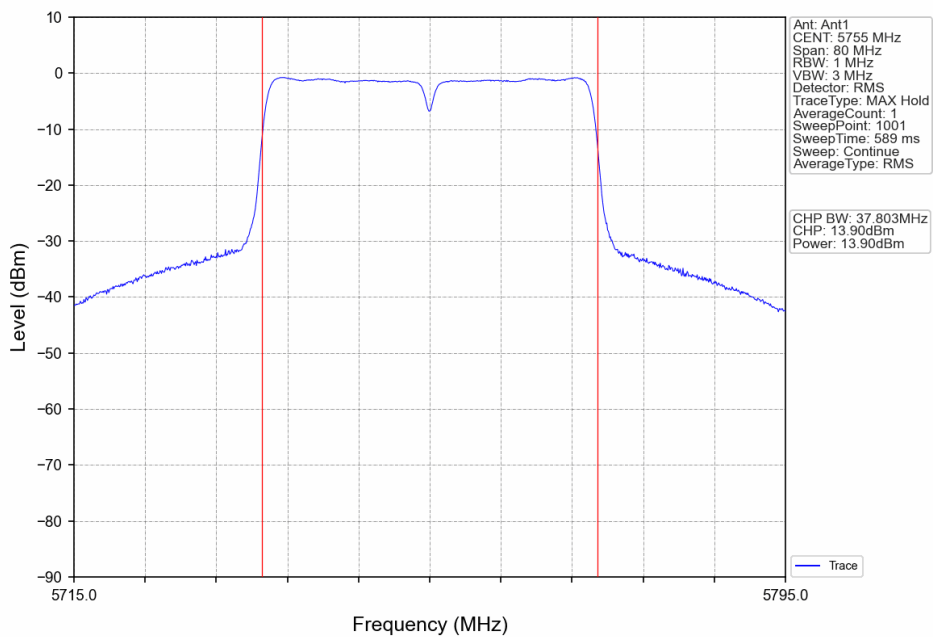
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



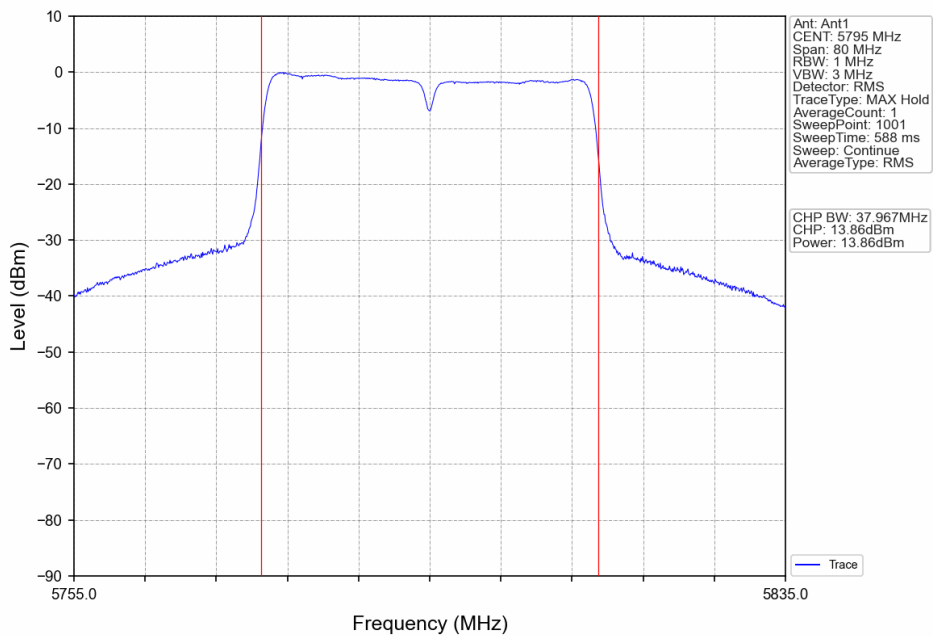
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



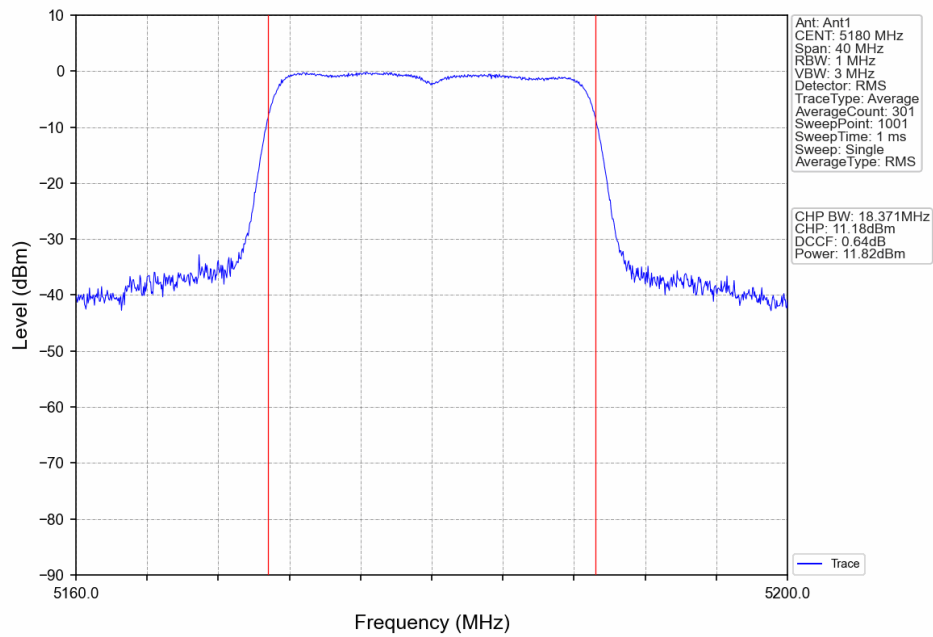
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



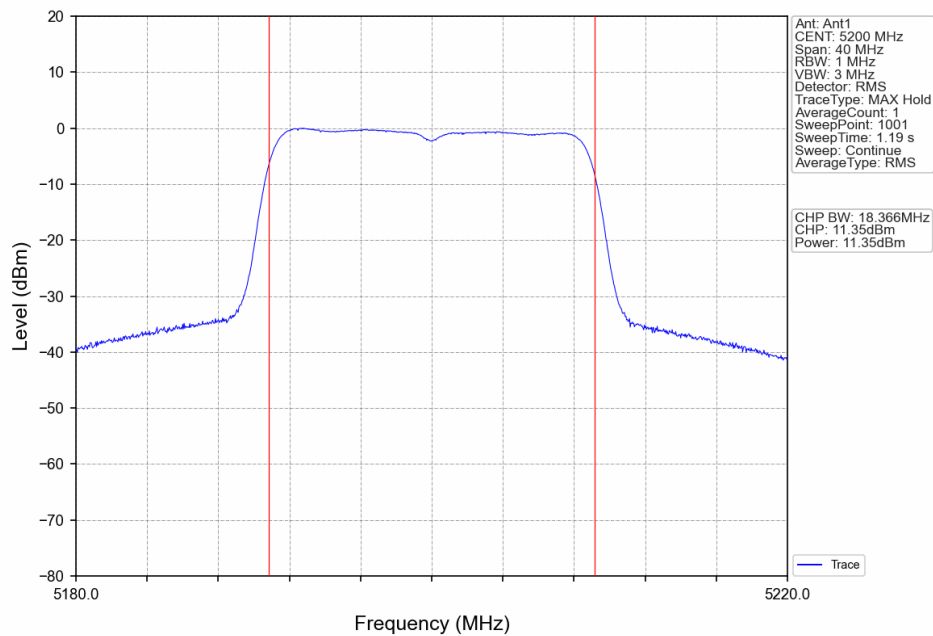
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



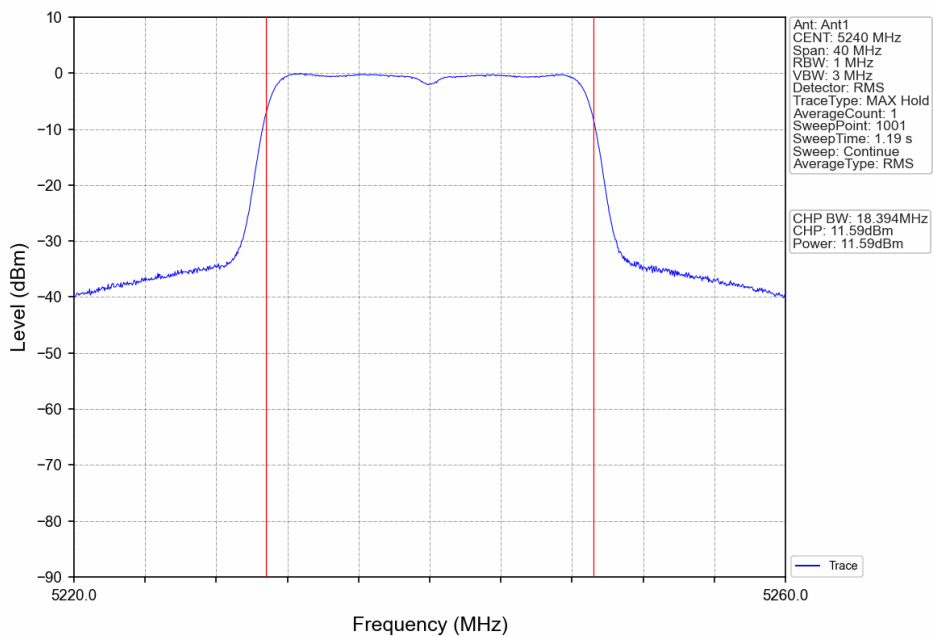
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



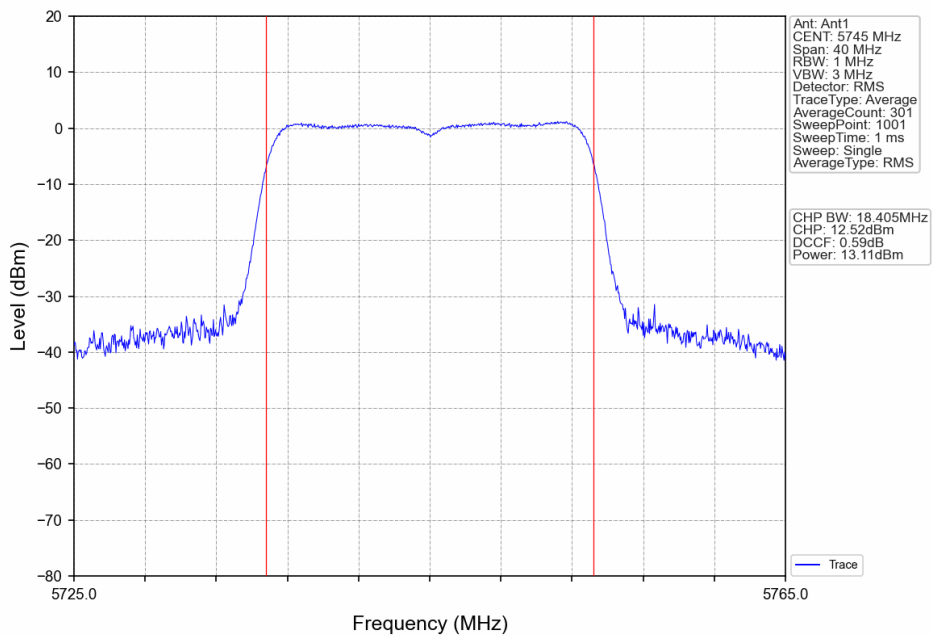
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



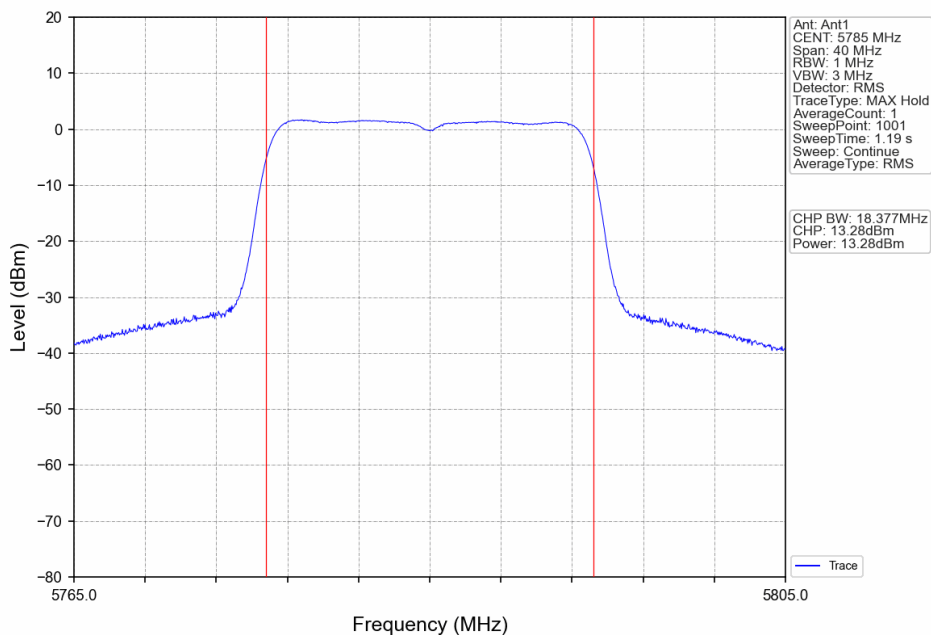
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV

