1. Duty Cycle

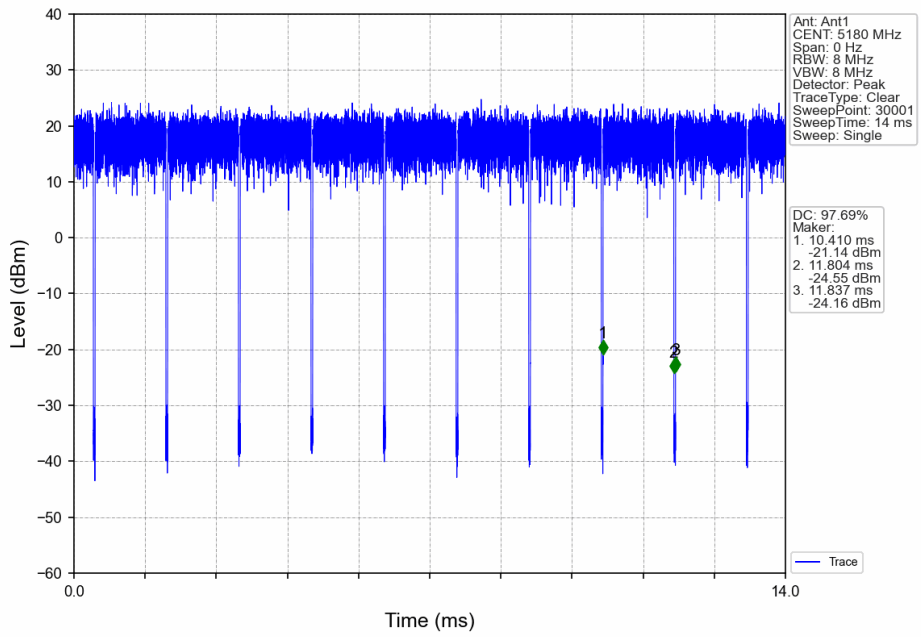
1.1 Ant1

1.1.1 Test Result

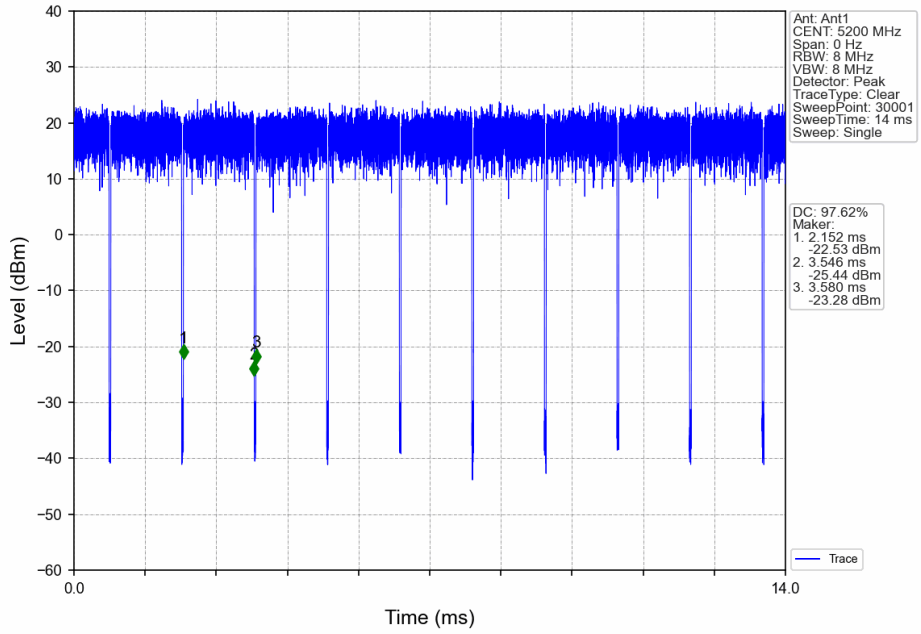
Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11a	SISO	5180	1.394	1.427	97.69	0.10	0.03
		5200	1.394	1.428	97.62	0.10	0.03
		5240	1.392	1.428	97.48	0.11	0.06
		5745	1.395	1.428	97.69	0.10	0.03
		5785	1.393	1.427	97.62	0.10	0.03
		5825	1.393	1.428	97.55	0.11	0.07
802.11n (HT20)	SISO	5180	1.289	1.324	97.36	0.12	0.03
		5200	1.289	1.324	97.36	0.12	0.06
		5240	1.290	1.325	97.36	0.12	0.10
		5745	1.290	1.324	97.43	0.11	0.03
		5785	1.290	1.324	97.43	0.11	0.07
		5825	1.289	1.324	97.36	0.12	0.07
802.11n (HT40)	SISO	5190	0.636	0.671	94.78	0.23	0.04
		5230	0.637	0.670	95.07	0.22	0.00
		5755	0.636	0.671	94.78	0.23	0.07
		5795	0.636	0.671	94.78	0.23	0.07
802.11ac (VHT20)	SISO	5180	1.314	1.348	97.48	0.11	0.03
		5200	1.314	1.348	97.48	0.11	0.04
		5240	1.313	1.347	97.48	0.11	0.10
		5745	1.313	1.348	97.40	0.11	0.10
		5785	1.314	1.348	97.48	0.11	0.03
		5825	1.314	1.348	97.48	0.11	0.07
802.11ac (VHT40)	SISO	5190	0.652	0.687	94.91	0.23	0.04
		5230	0.653	0.687	95.05	0.22	0.07
		5755	0.653	0.687	95.05	0.22	0.03
		5795	0.653	0.687	95.05	0.22	0.07
802.11ac (VHT80)	SISO	5210	0.324	0.358	90.50	0.43	0.08
		5775	0.324	0.358	90.50	0.43	0.04

1.1.2 Test Graph

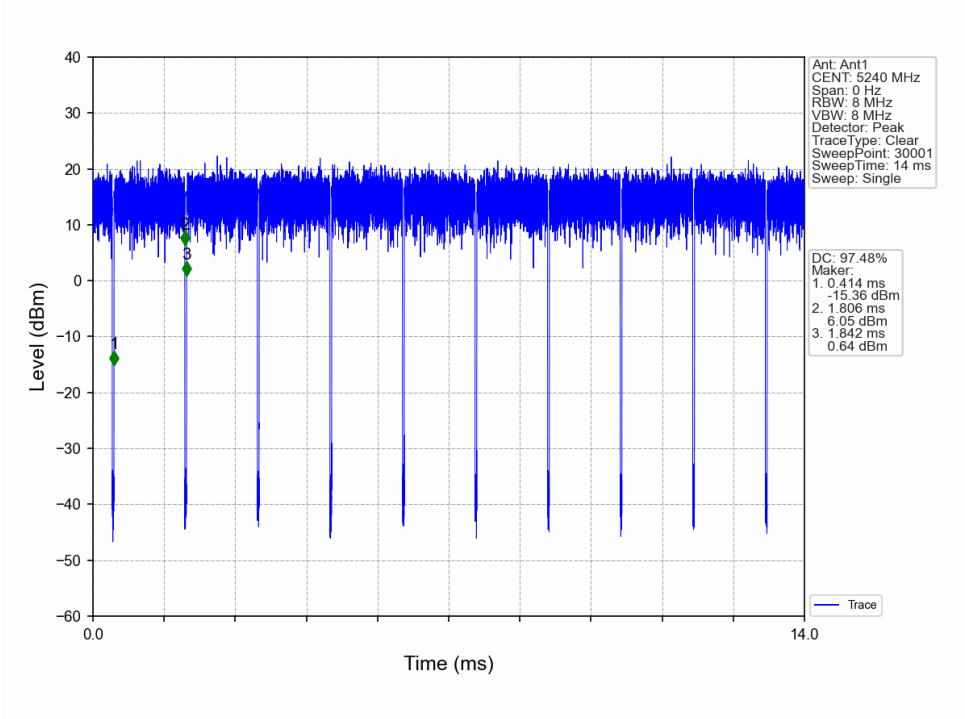
802.11a_LCH_5180MHz_Ant1_NTNV



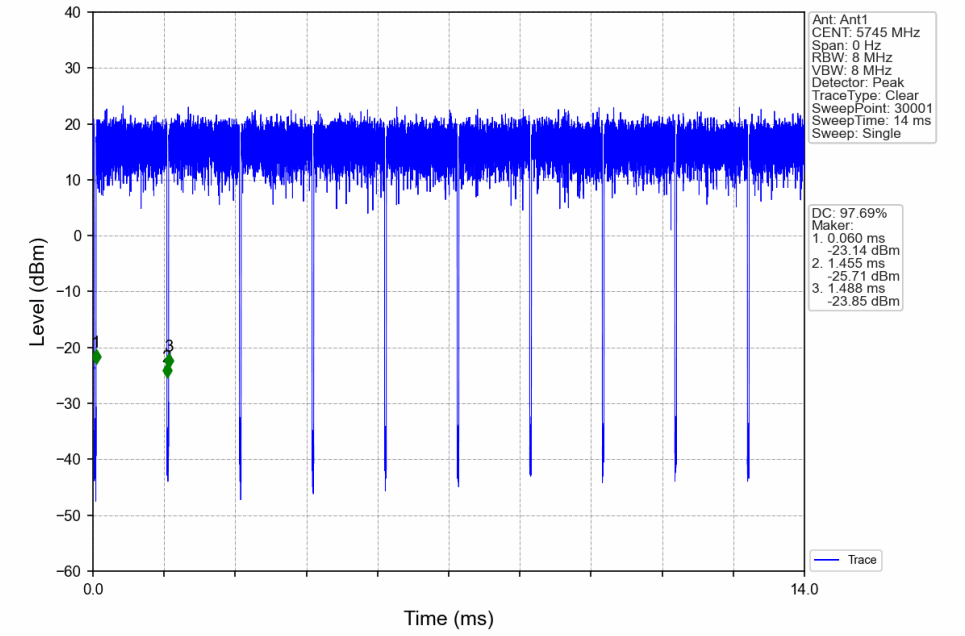
802.11a_MCH_5200MHz_Ant1_NTNV



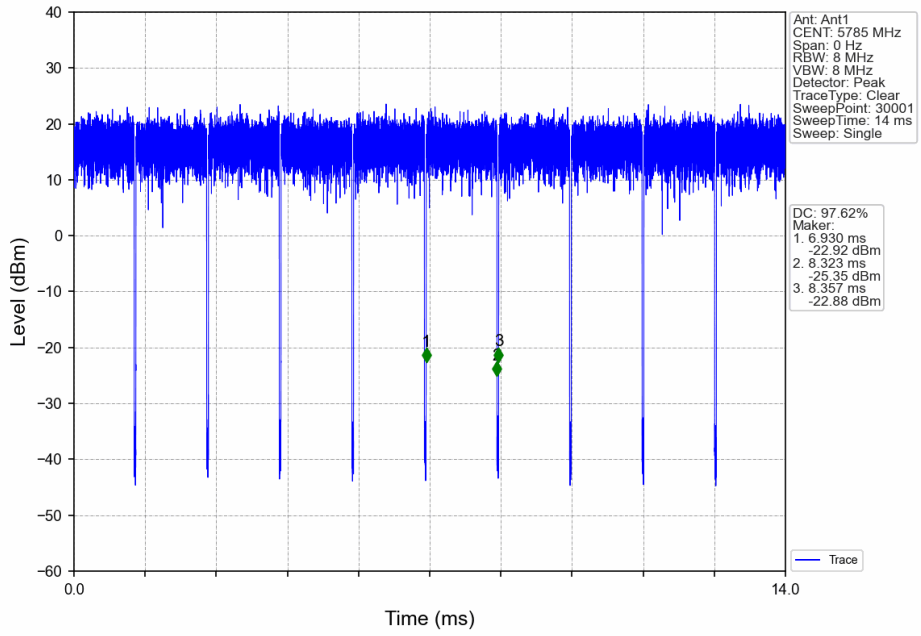
802.11a_HCH_5240MHz_Ant1_NTNV



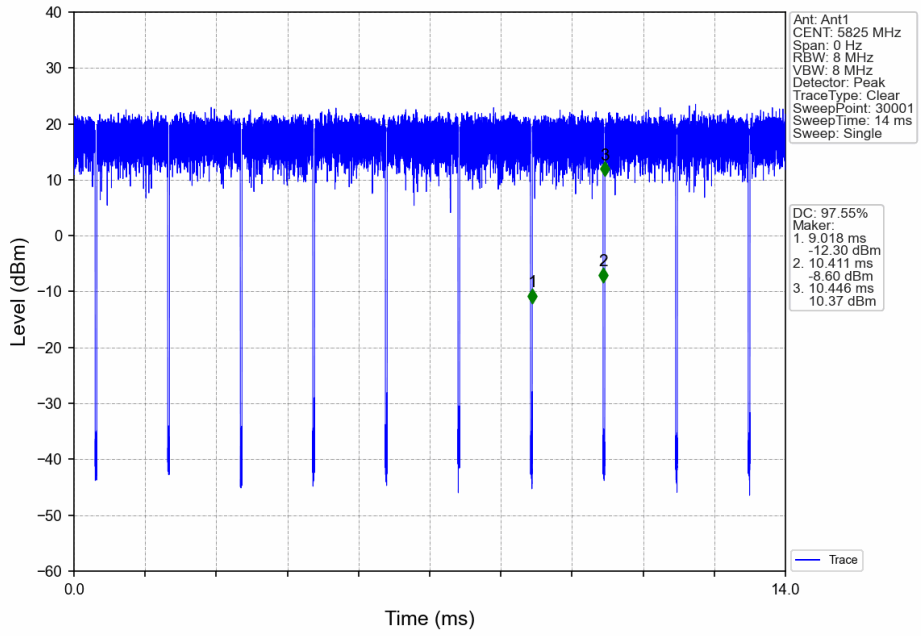
802.11a_LCH_5745MHz_Ant1_NTNV



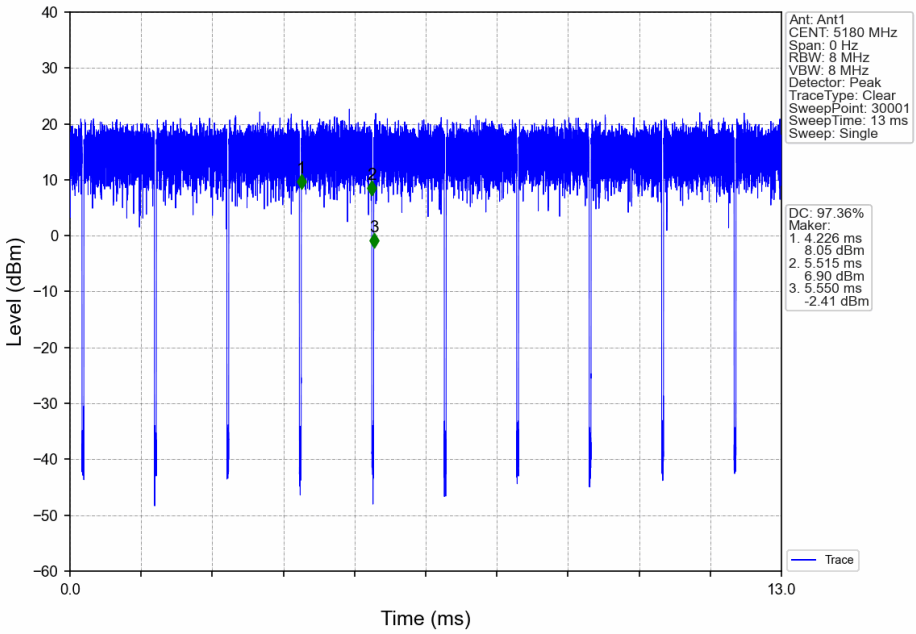
802.11a_MCH_5785MHz_Ant1_NTNV



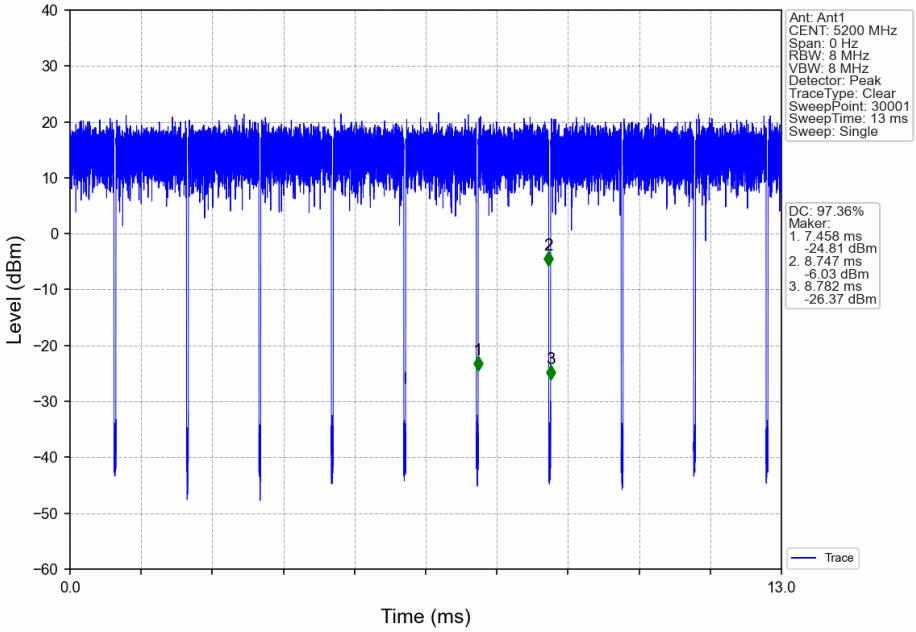
802.11a_HCH_5825MHz_Ant1_NTNV



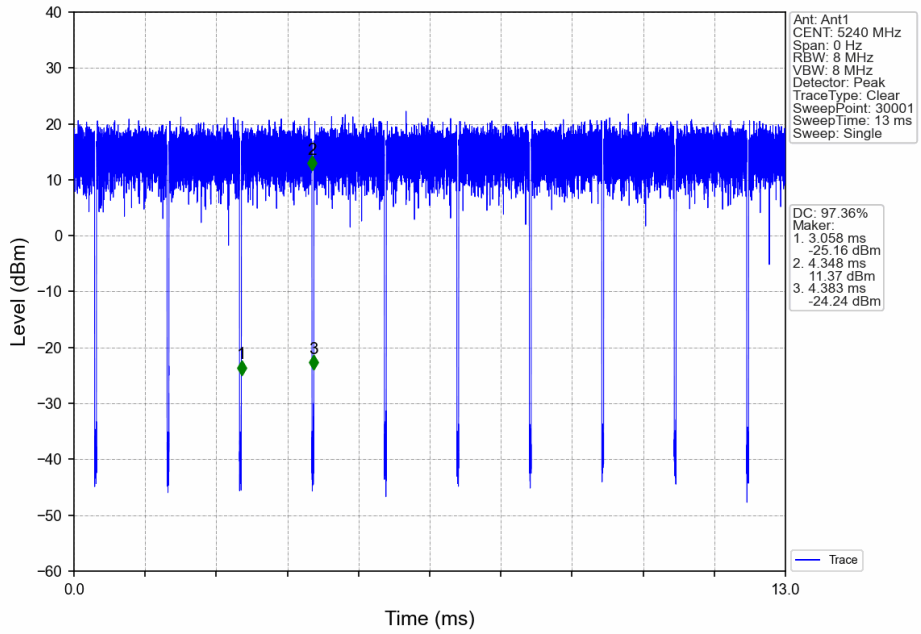
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



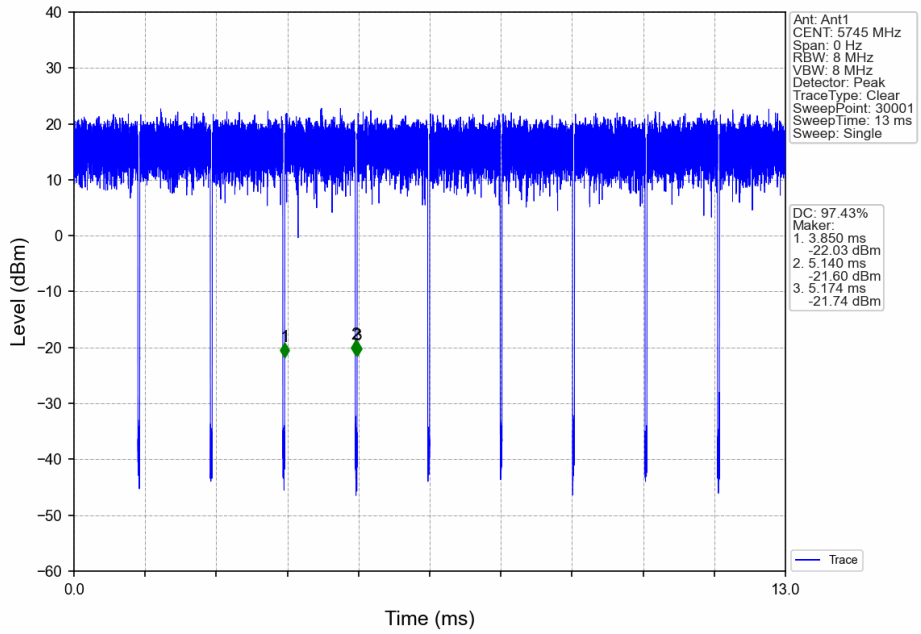
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



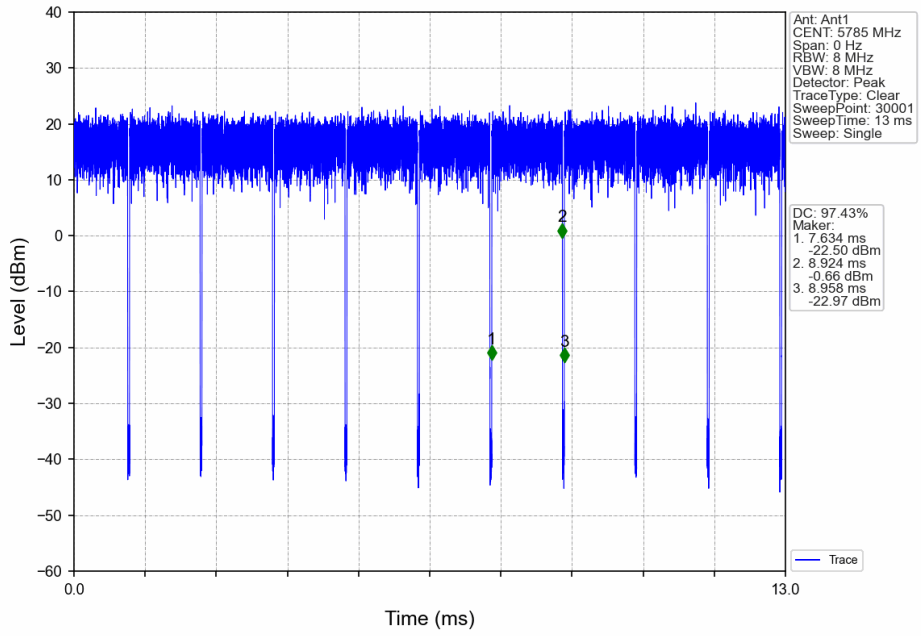
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



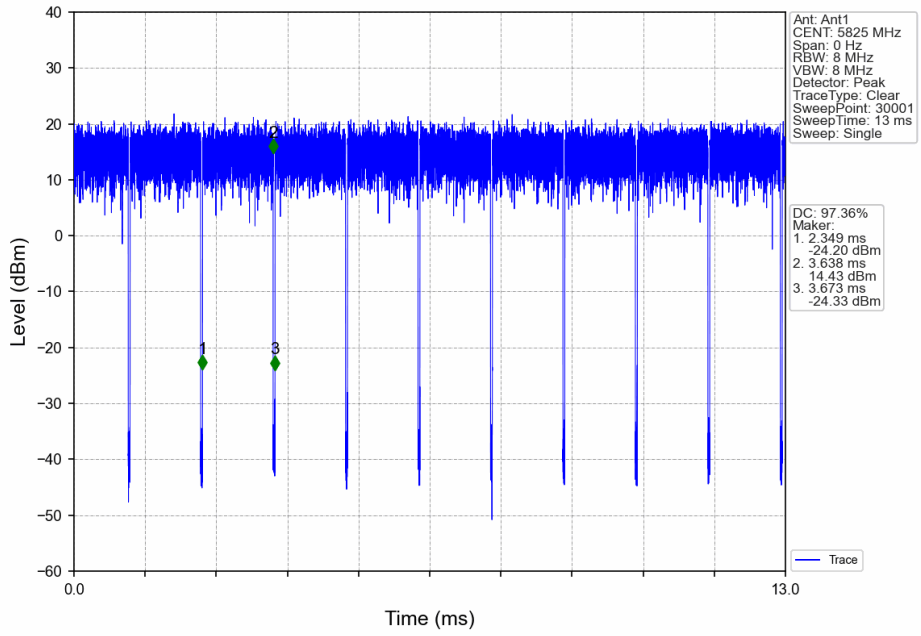
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



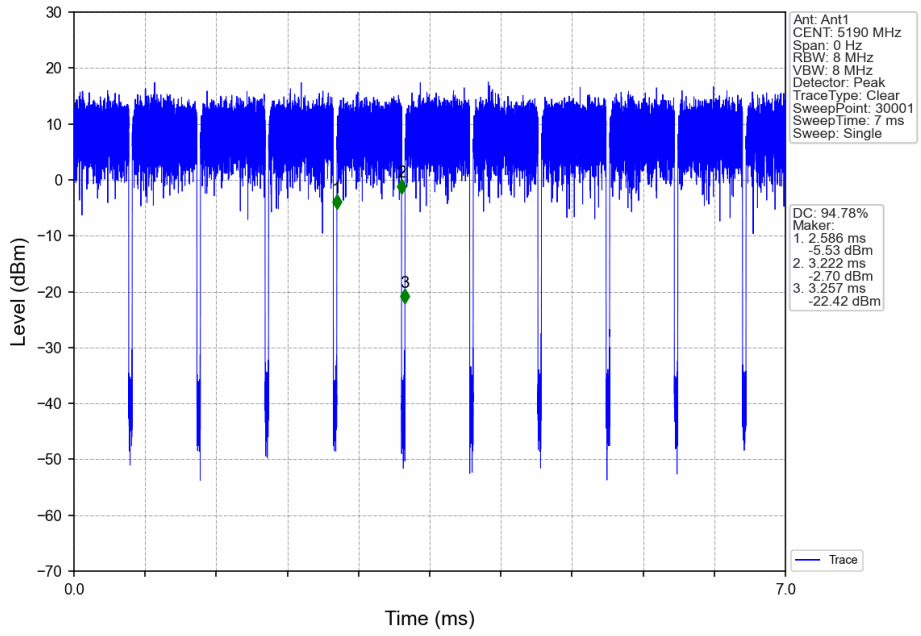
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



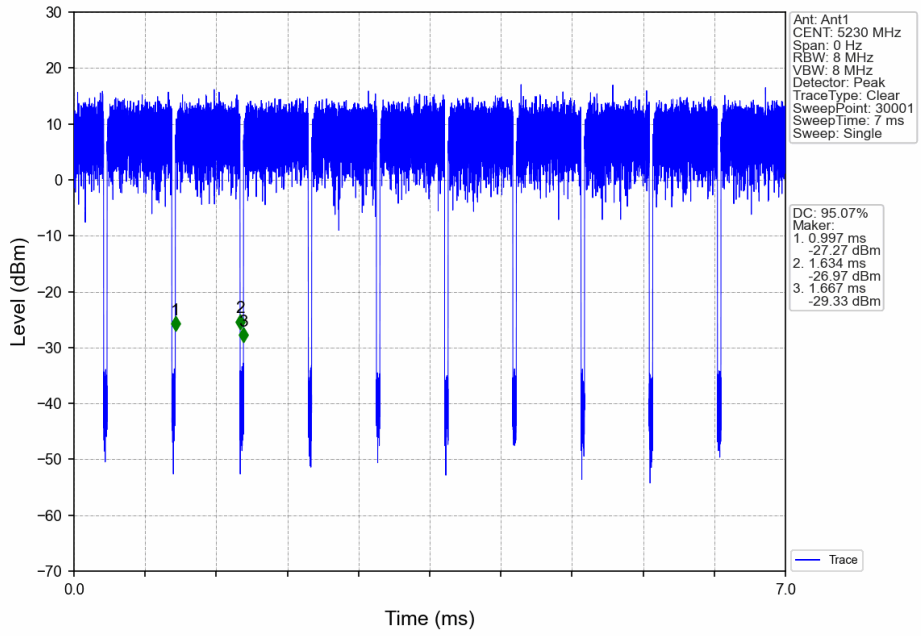
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



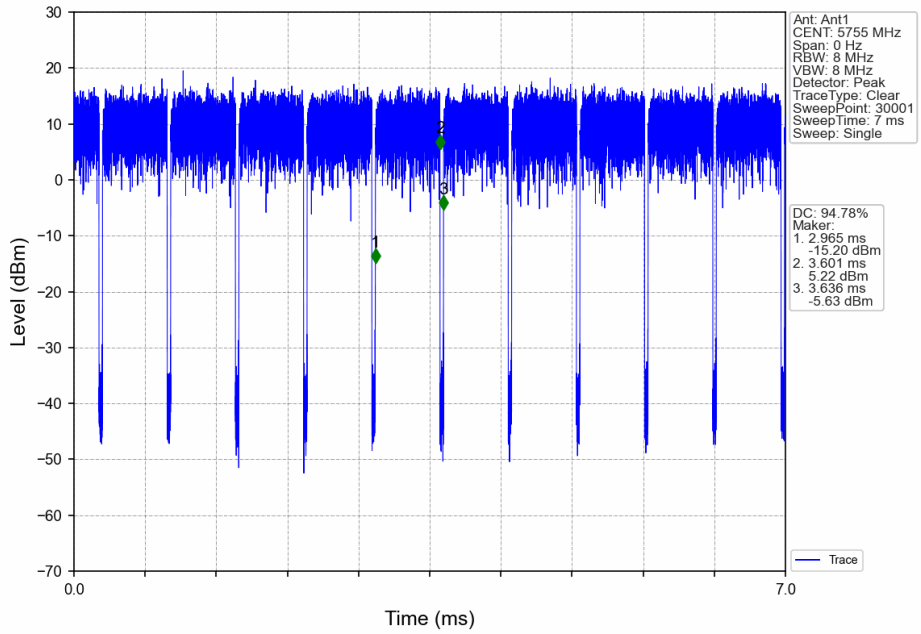
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



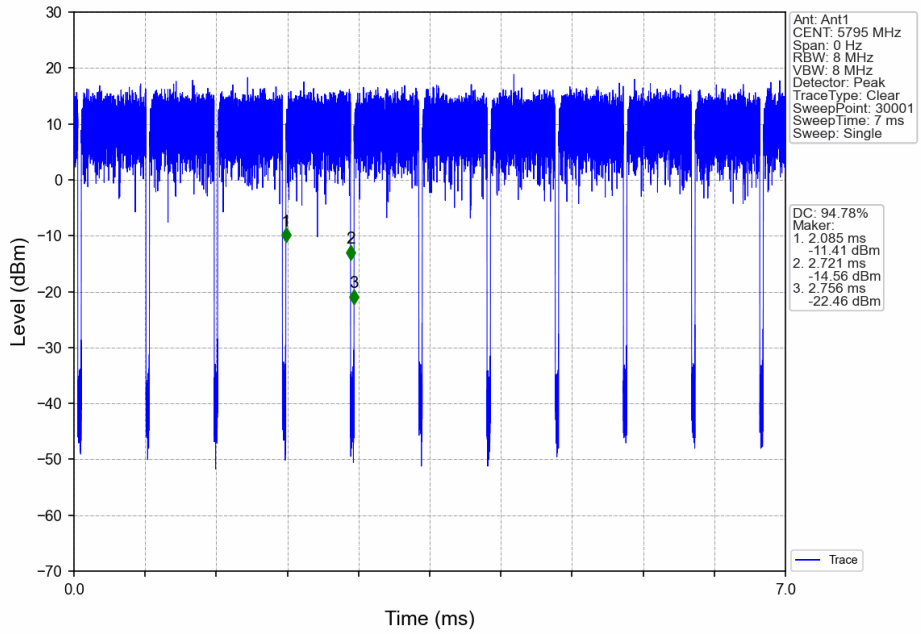
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



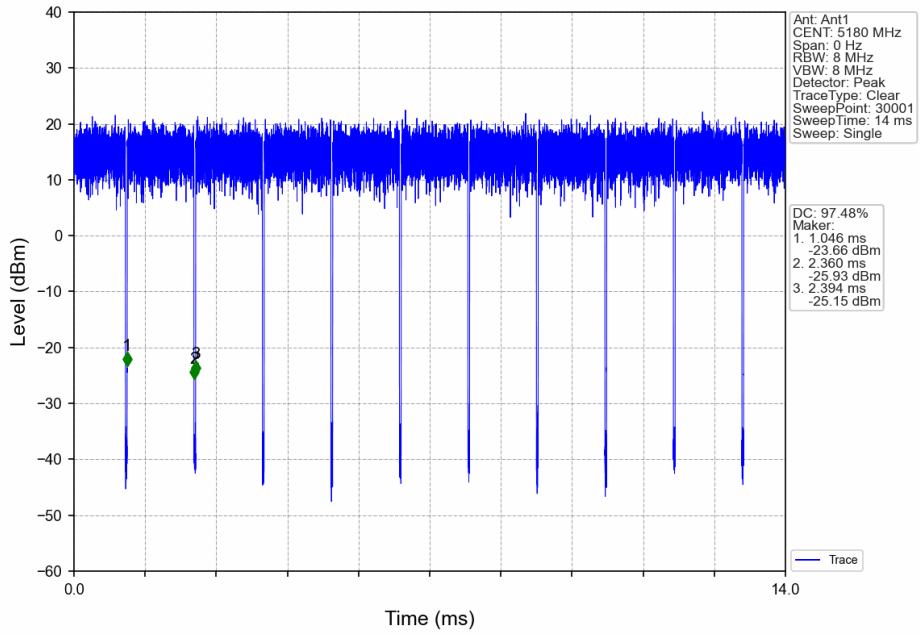
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



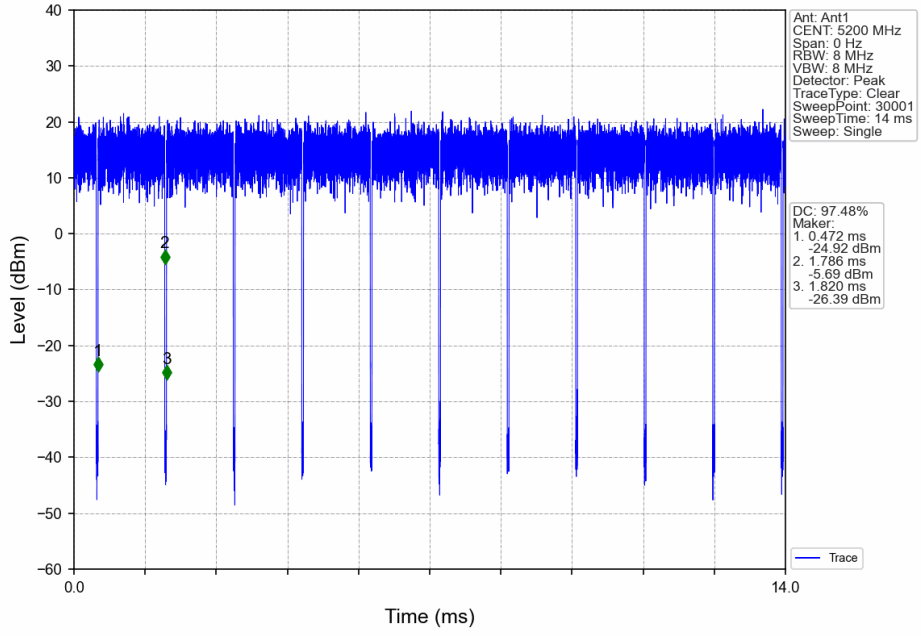
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



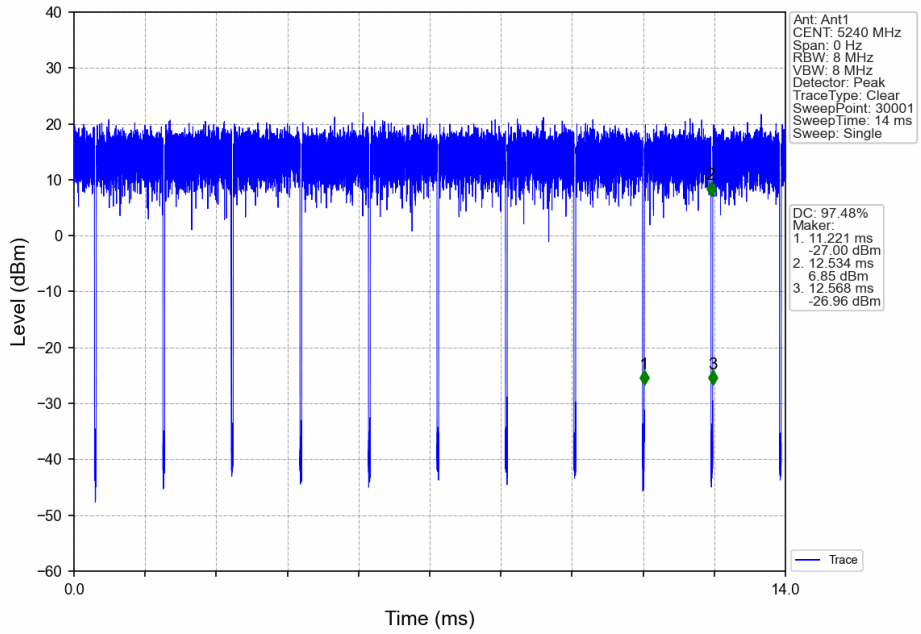
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



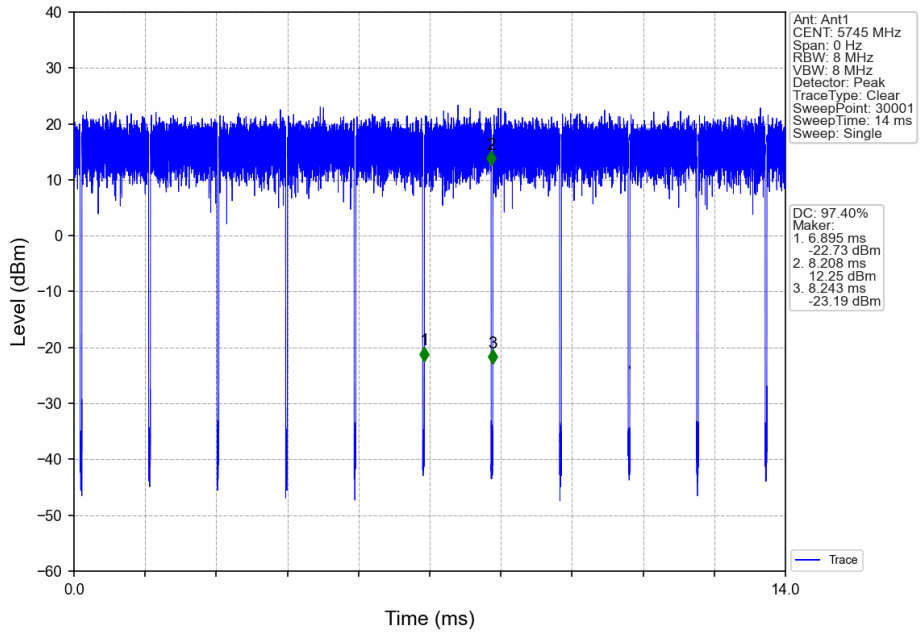
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



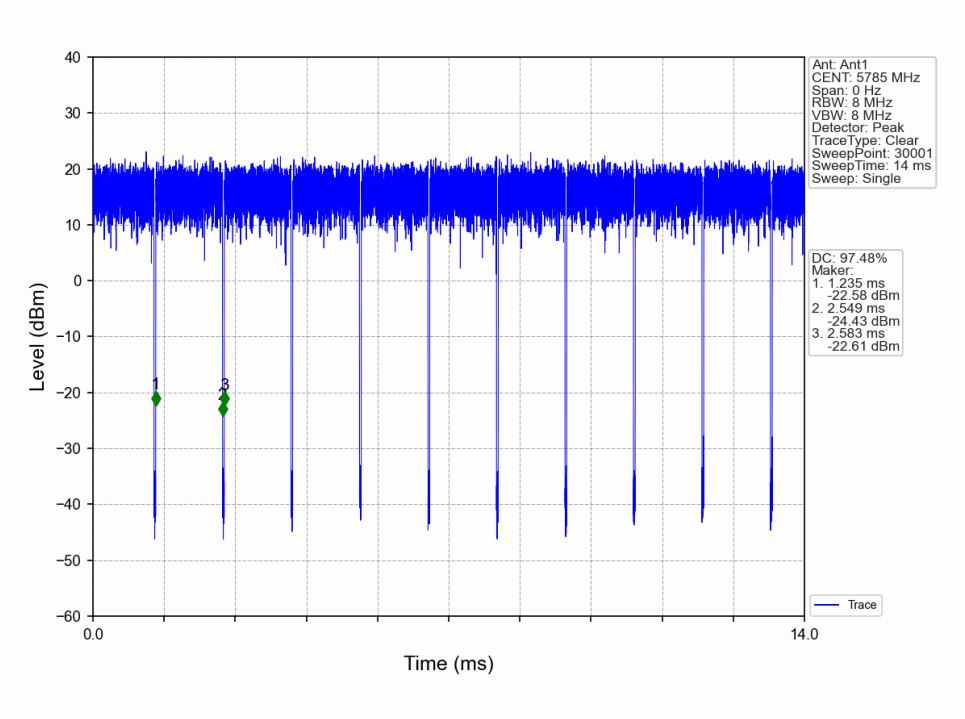
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



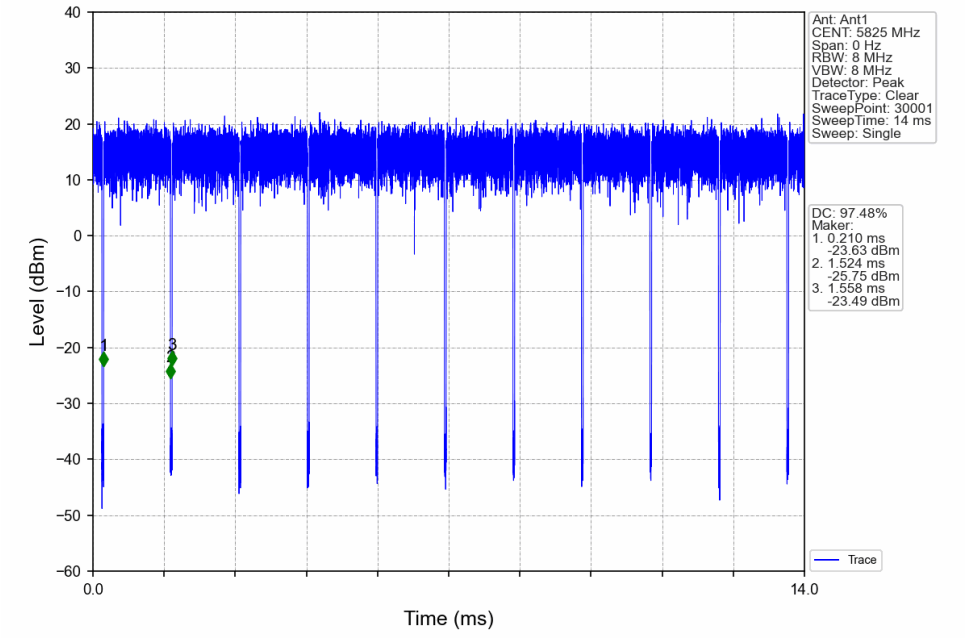
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



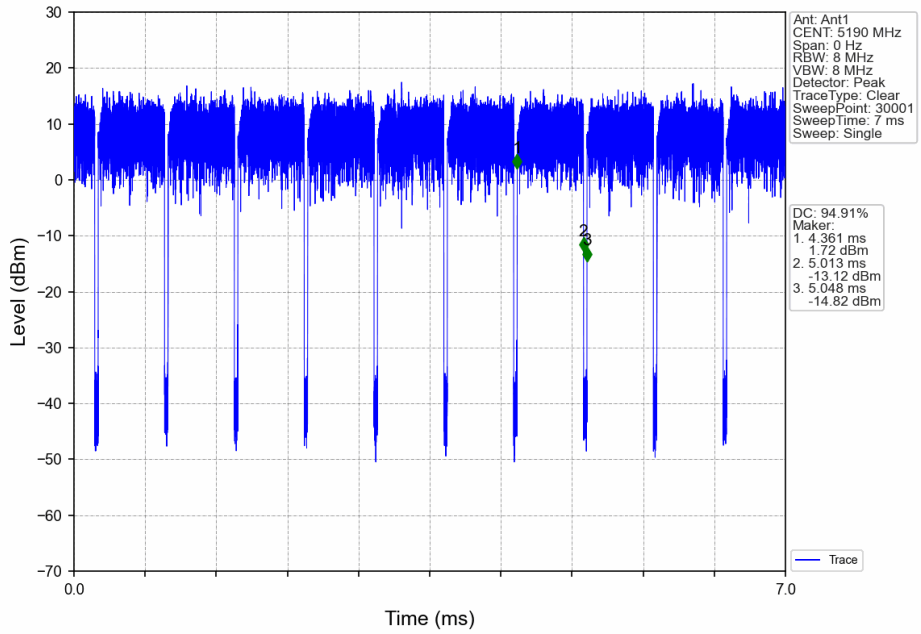
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



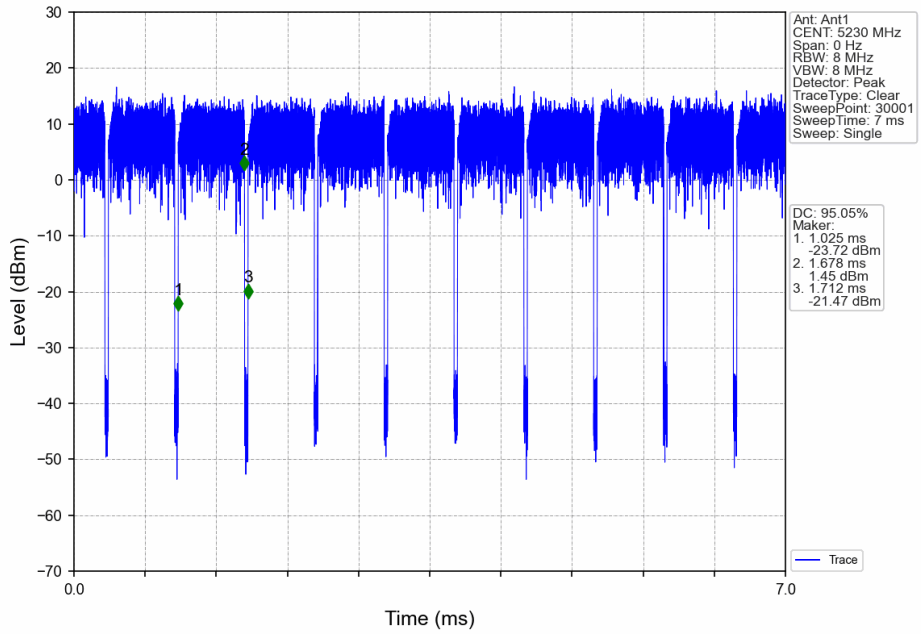
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



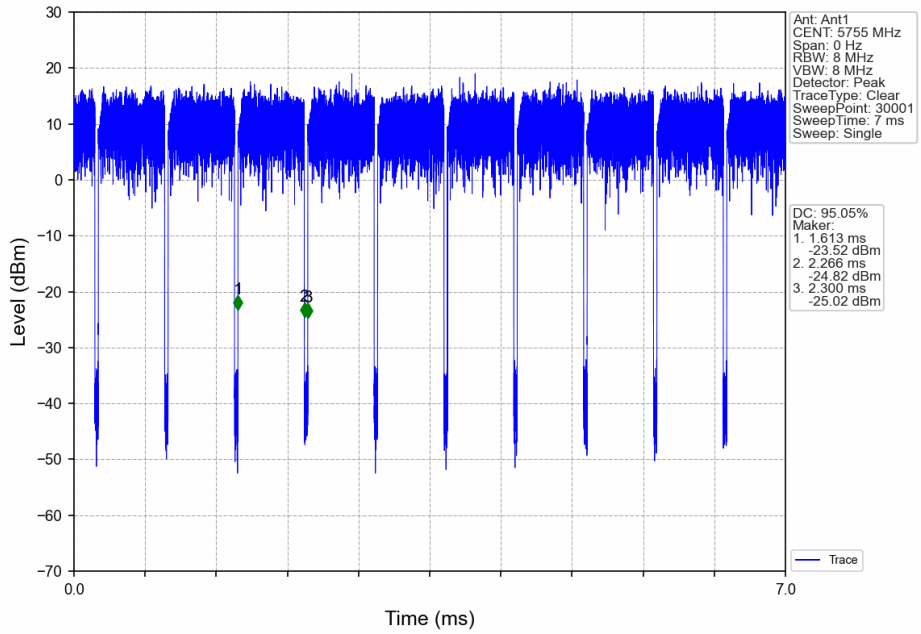
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



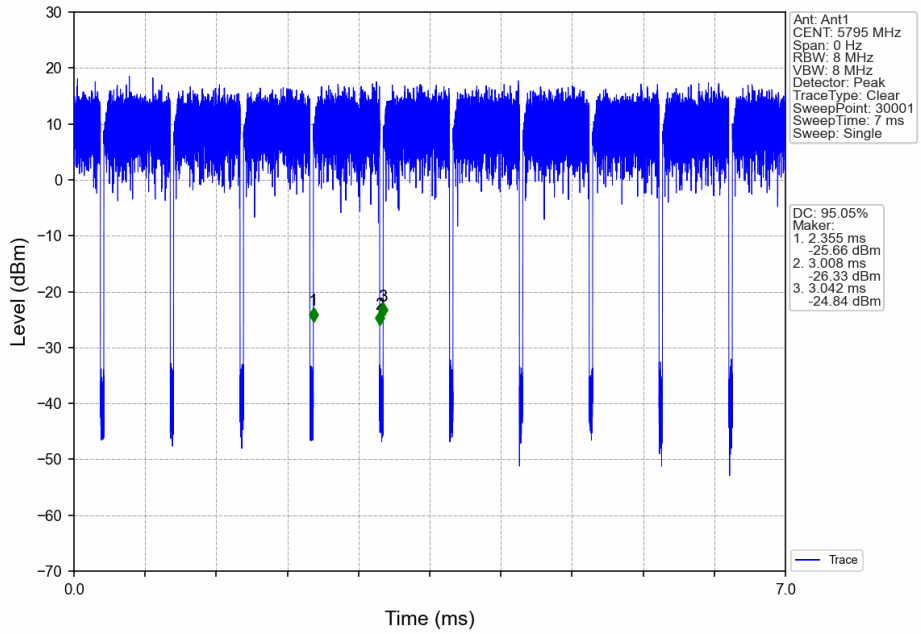
802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



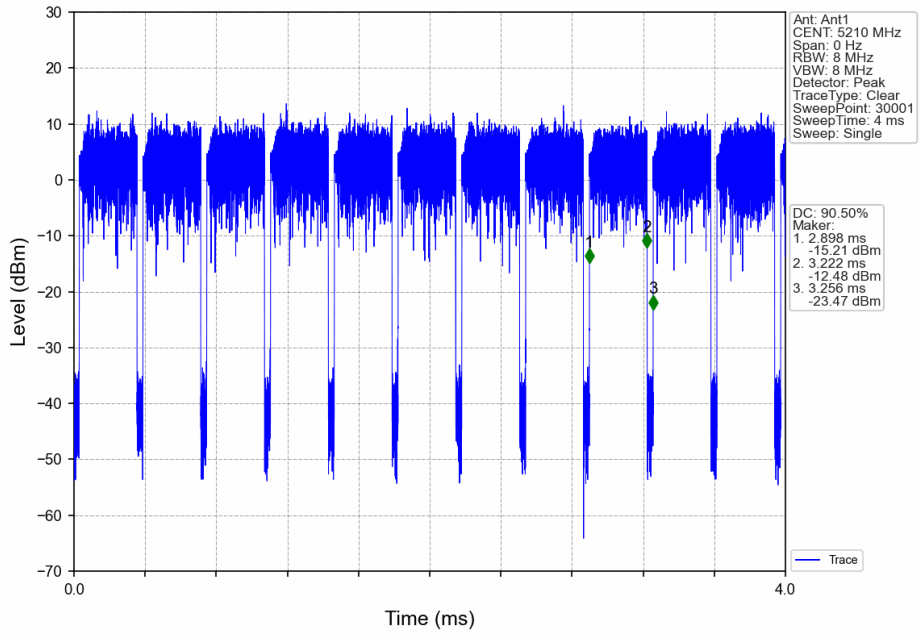
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



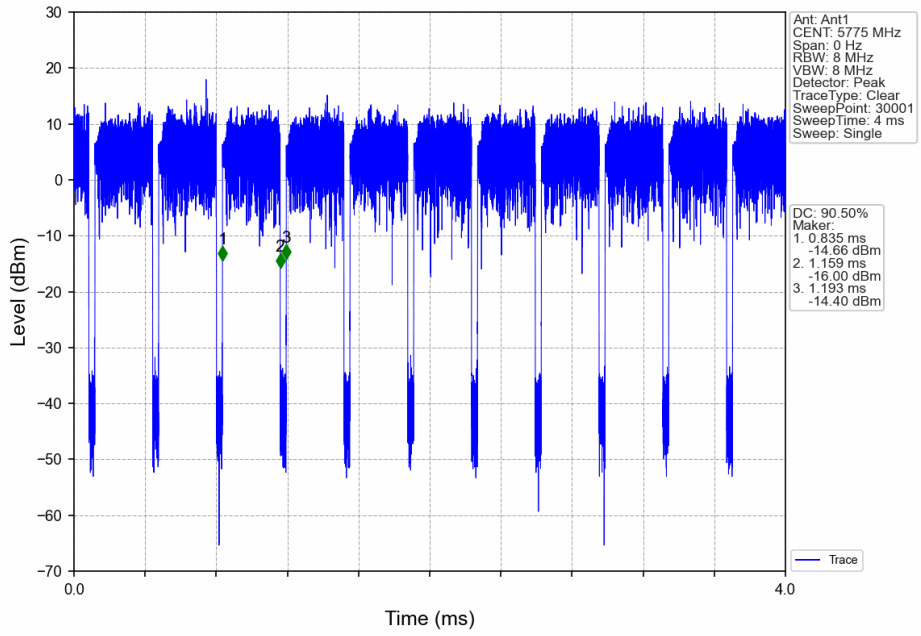
802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



2. Bandwidth

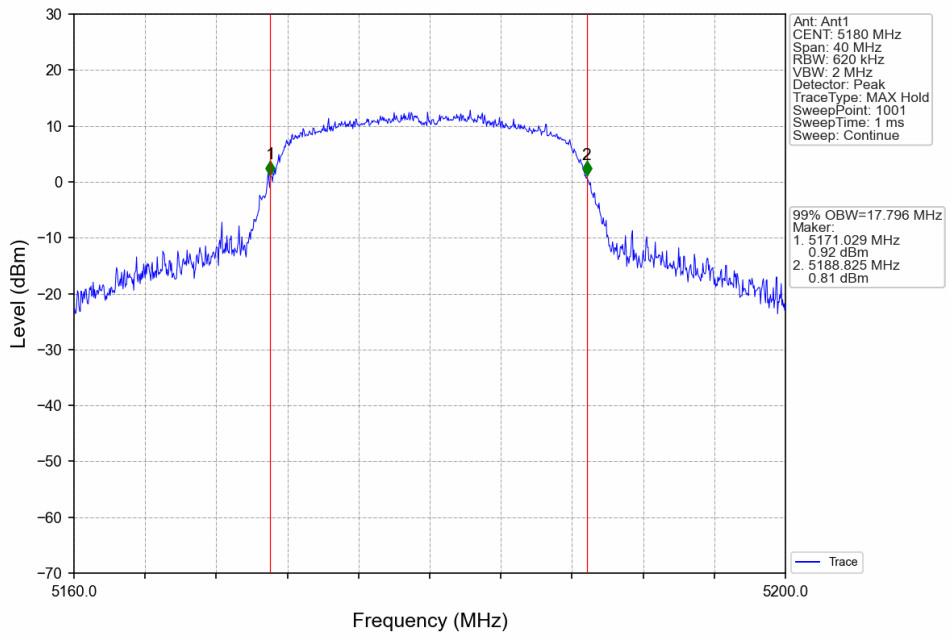
2.1 OBW

2.1.1 Test Result

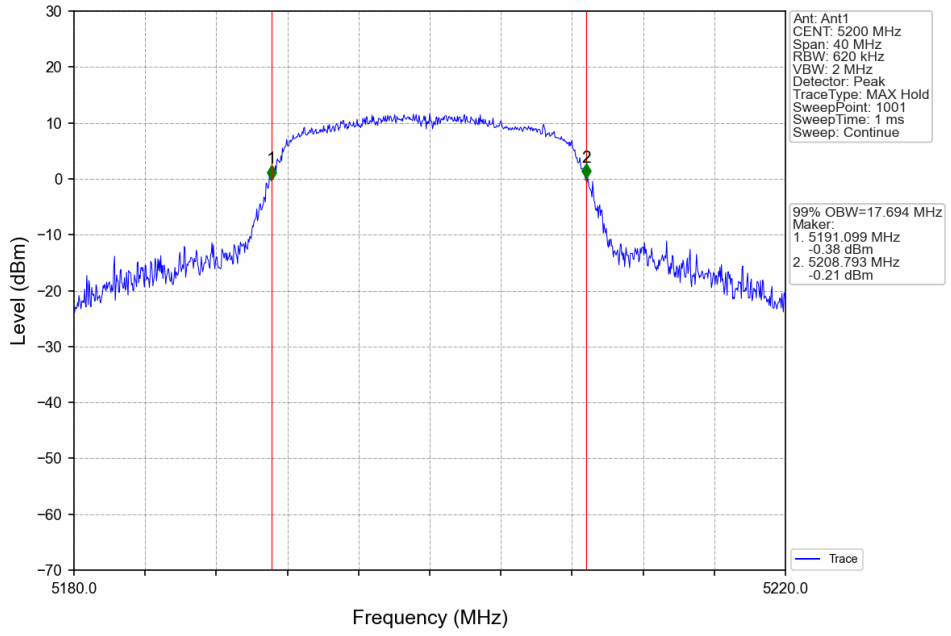
Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5180	1	17.796	/	Pass
		5200	1	17.694	/	Pass
		5240	1	17.921	/	Pass
		5745	1	17.939	/	Pass
		5785	1	18.087	/	Pass
		5825	1	18.312	/	Pass
802.11n (HT20)	SISO	5180	1	18.637	/	Pass
		5200	1	18.776	/	Pass
		5240	1	18.805	/	Pass
		5745	1	18.691	/	Pass
		5785	1	18.947	/	Pass
		5825	1	18.938	/	Pass
802.11n (HT40)	SISO	5190	1	36.788	/	Pass
		5230	1	36.906	/	Pass
		5755	1	36.792	/	Pass
		5795	1	36.737	/	Pass
802.11ac (VHT20)	SISO	5180	1	18.473	/	Pass
		5200	1	18.716	/	Pass
		5240	1	18.719	/	Pass
		5745	1	18.538	/	Pass
		5785	1	18.760	/	Pass
		5825	1	18.996	/	Pass
802.11ac (VHT40)	SISO	5190	1	36.525	/	Pass
		5230	1	36.552	/	Pass
		5755	1	36.418	/	Pass
		5795	1	36.571	/	Pass
802.11ac (VHT80)	SISO	5210	1	75.717	/	Pass
		5775	1	75.805	/	Pass

2.1.2 Test Graph

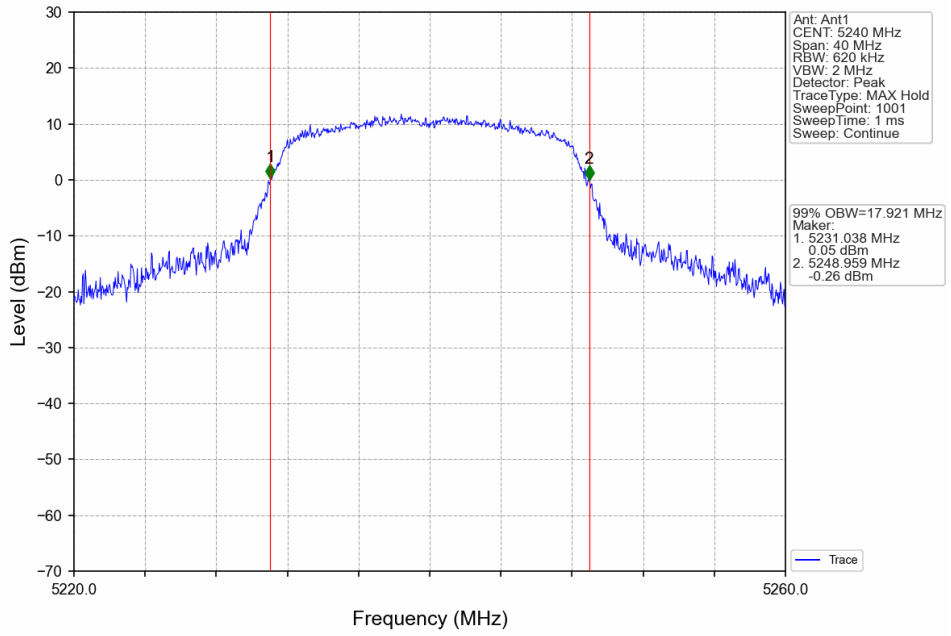
802.11a_LCH_5180MHz_Ant1_NTNV



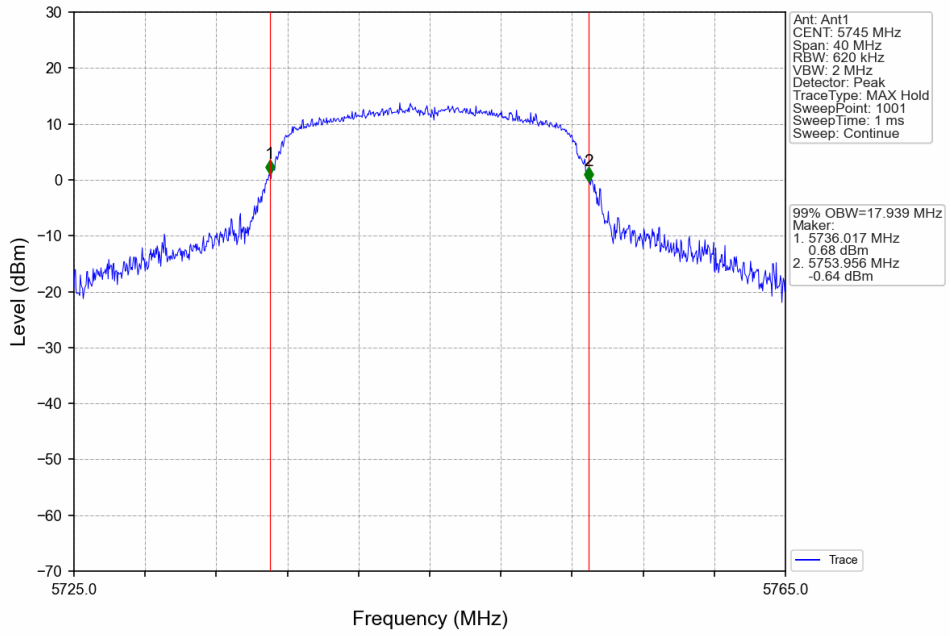
802.11a_MCH_5200MHz_Ant1_NTNV



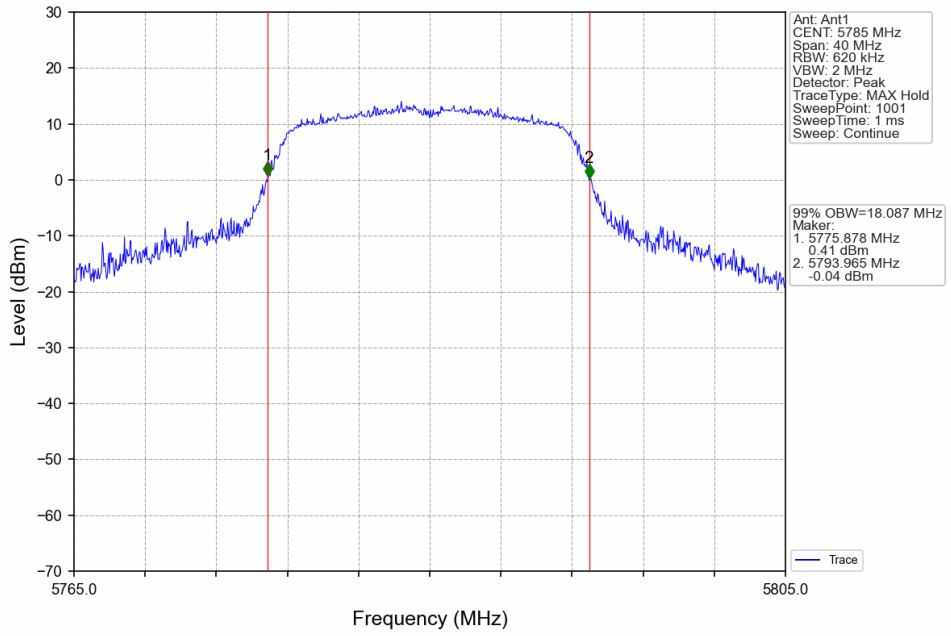
802.11a_HCH_5240MHz_Ant1_NTNV



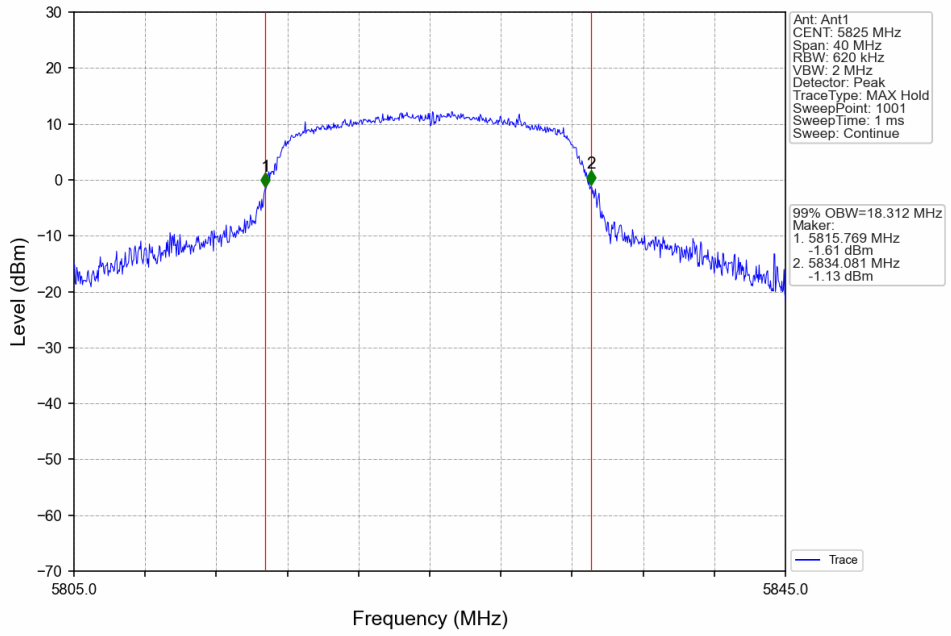
802.11a_LCH_5745MHz_Ant1_NTNV



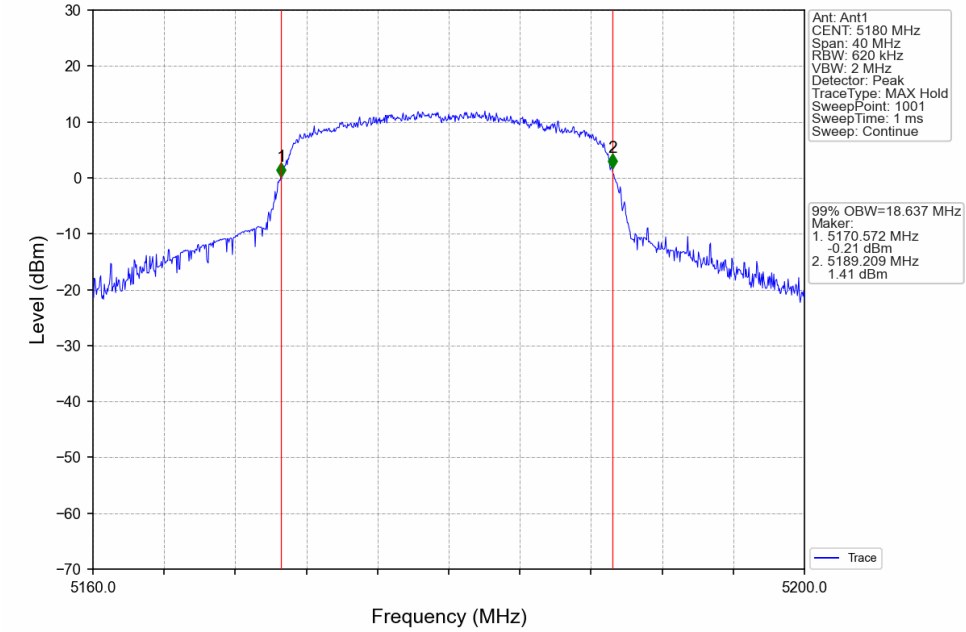
802.11a_MCH_5785MHz_Ant1_NTNV



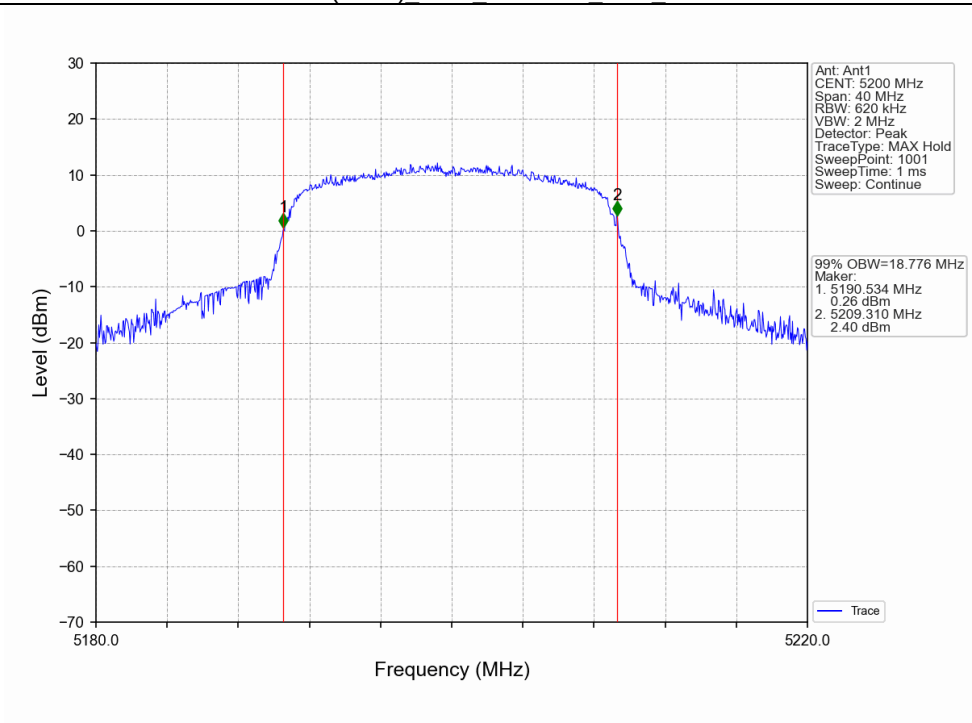
802.11a_HCH_5825MHz_Ant1_NTNV



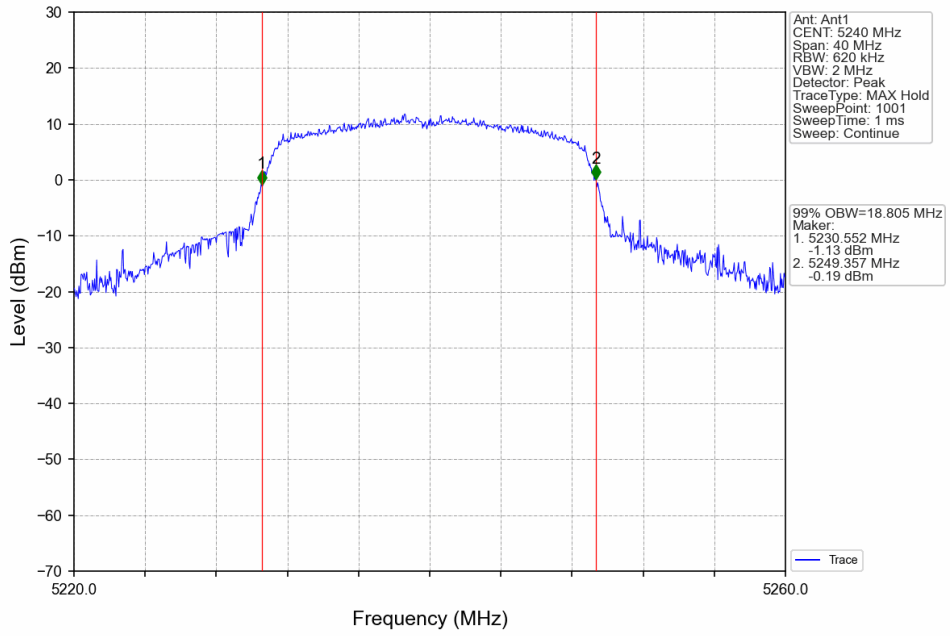
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



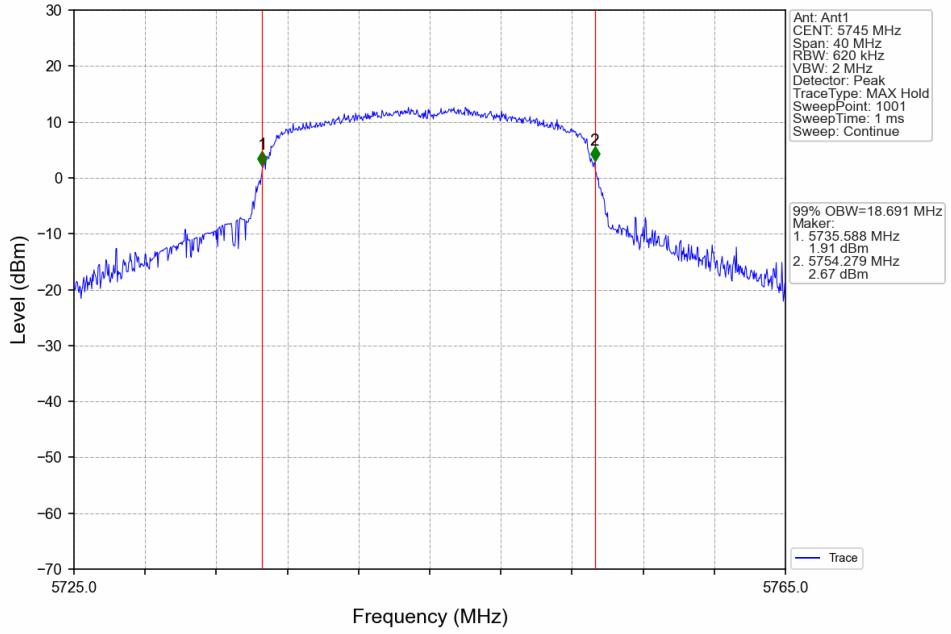
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



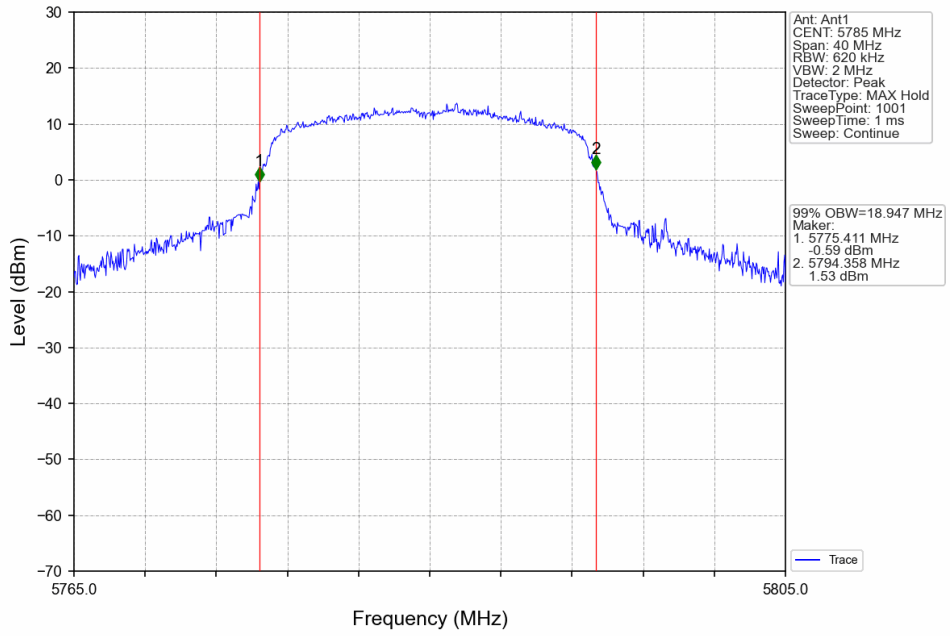
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



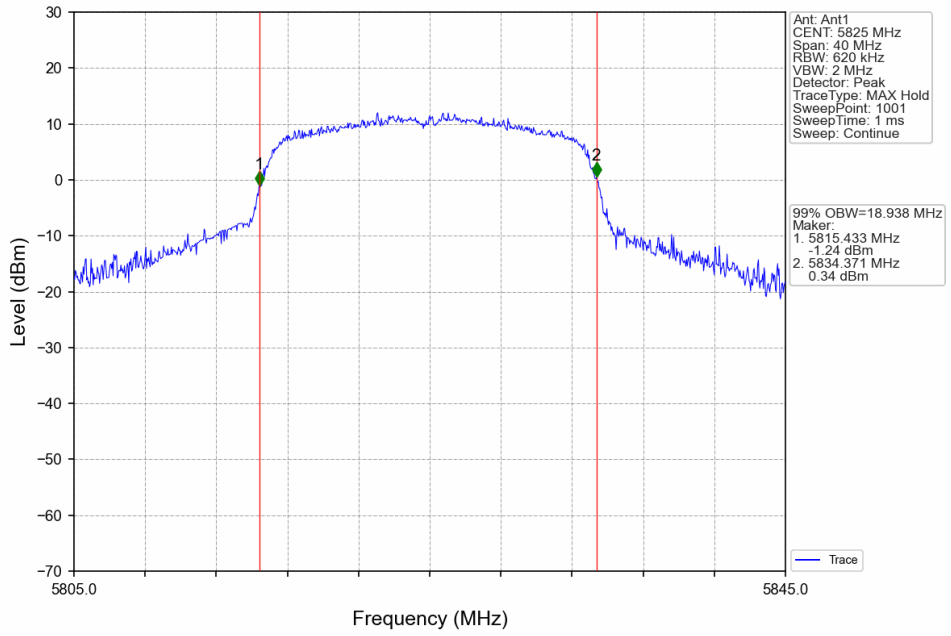
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



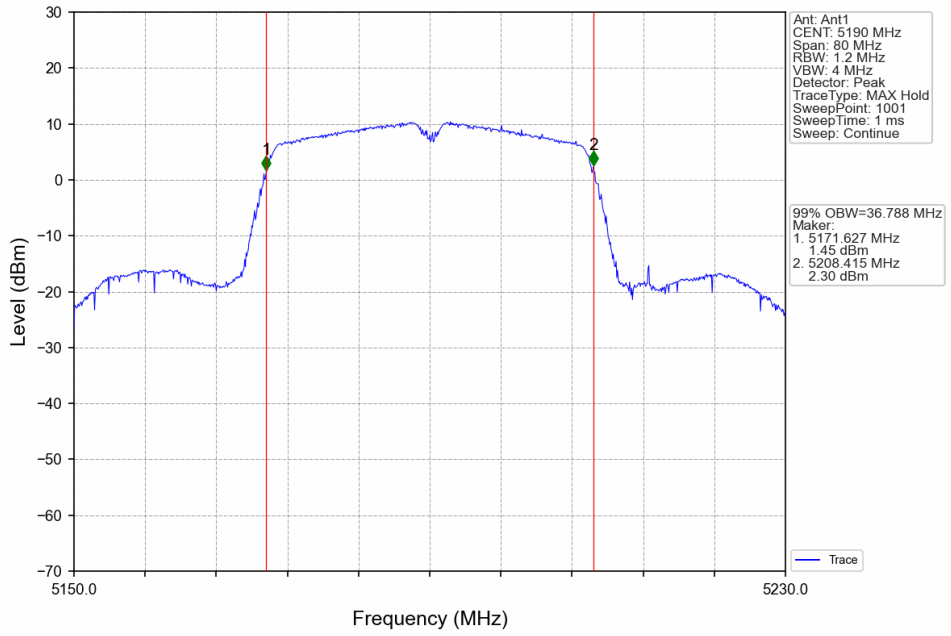
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



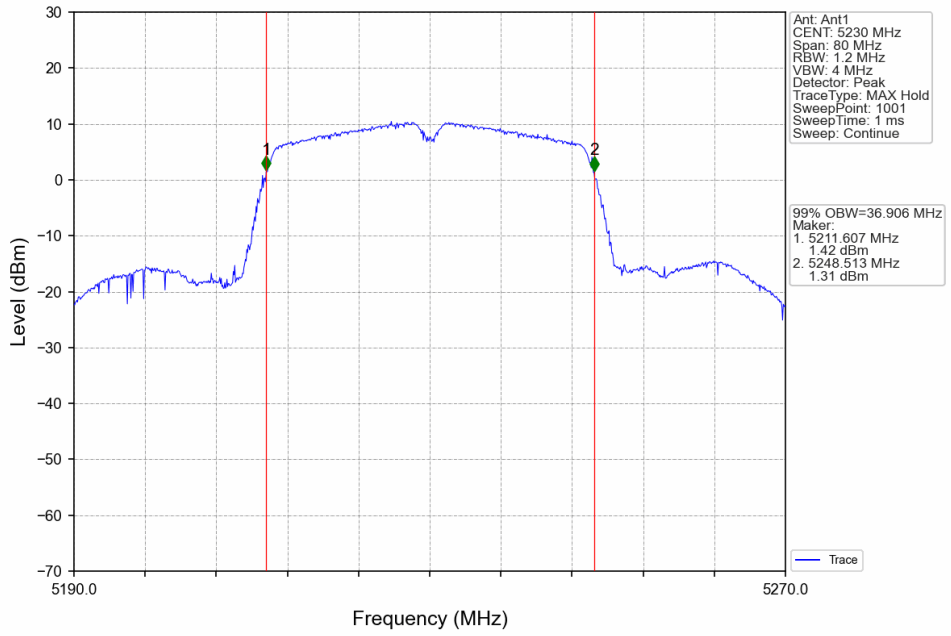
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



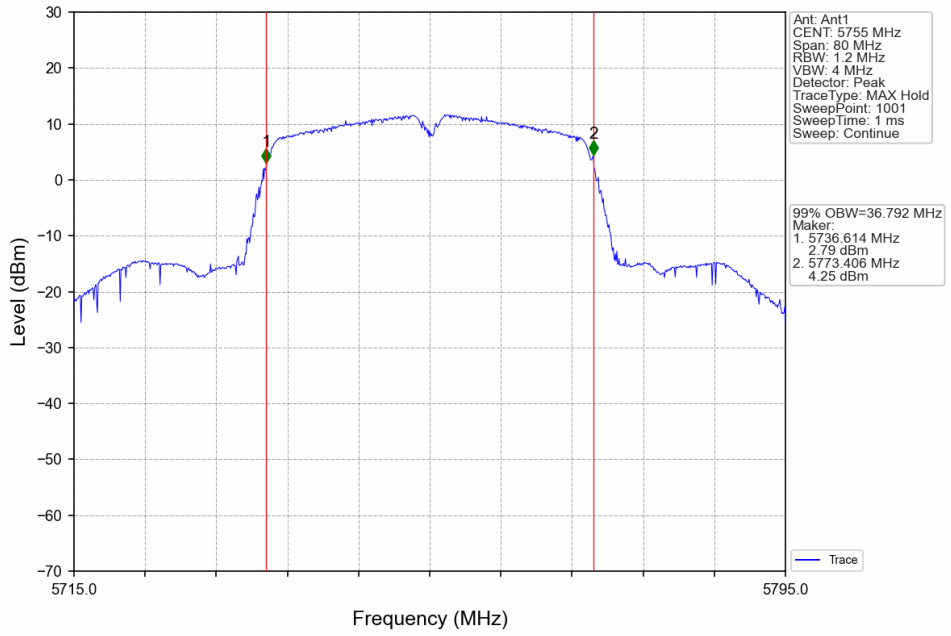
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



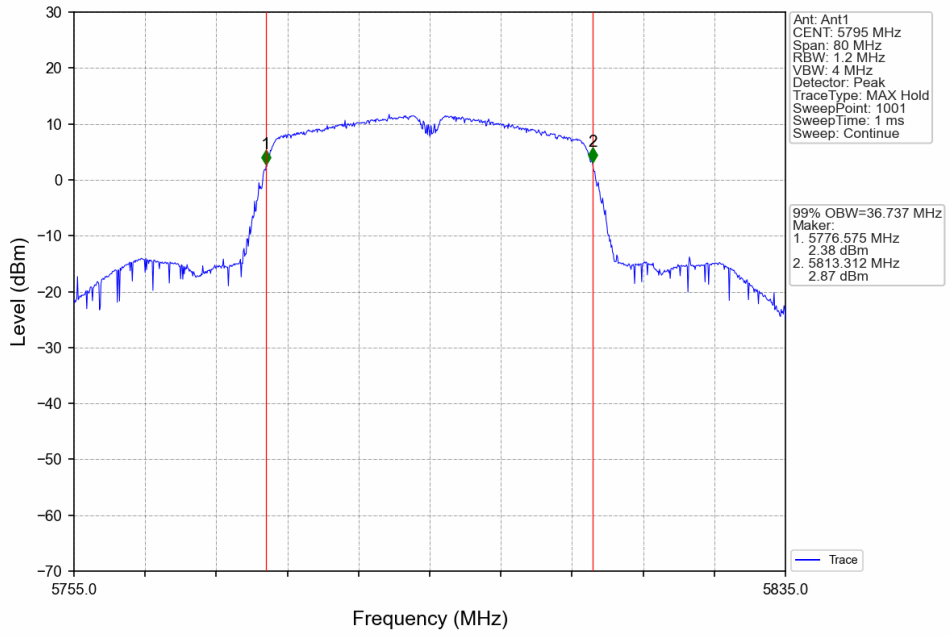
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



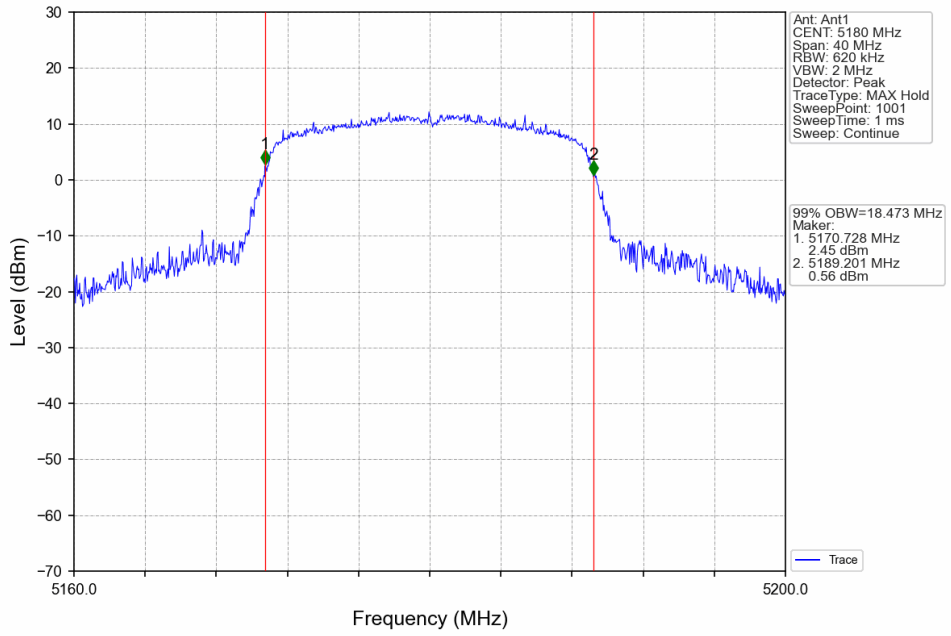
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



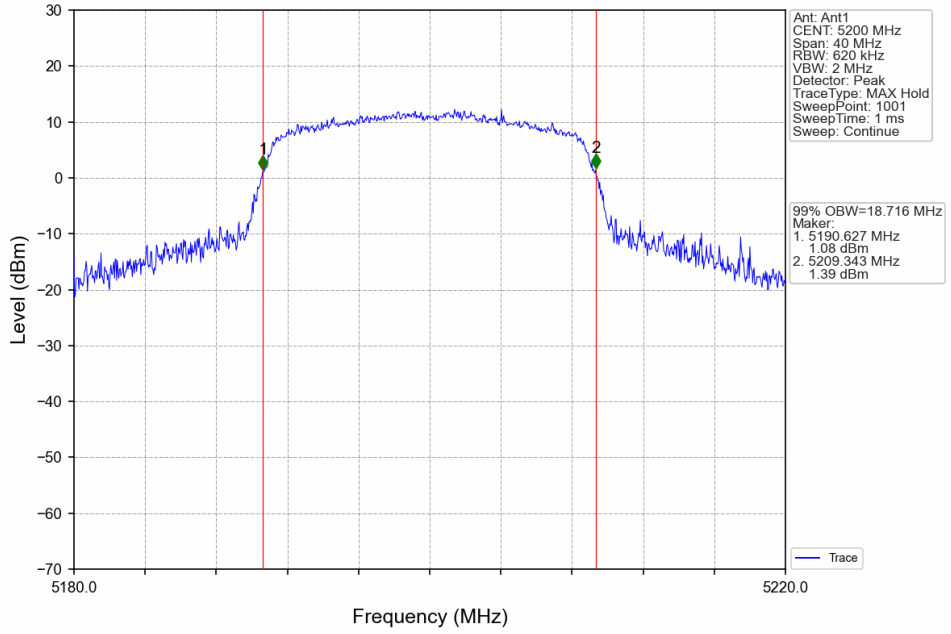
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



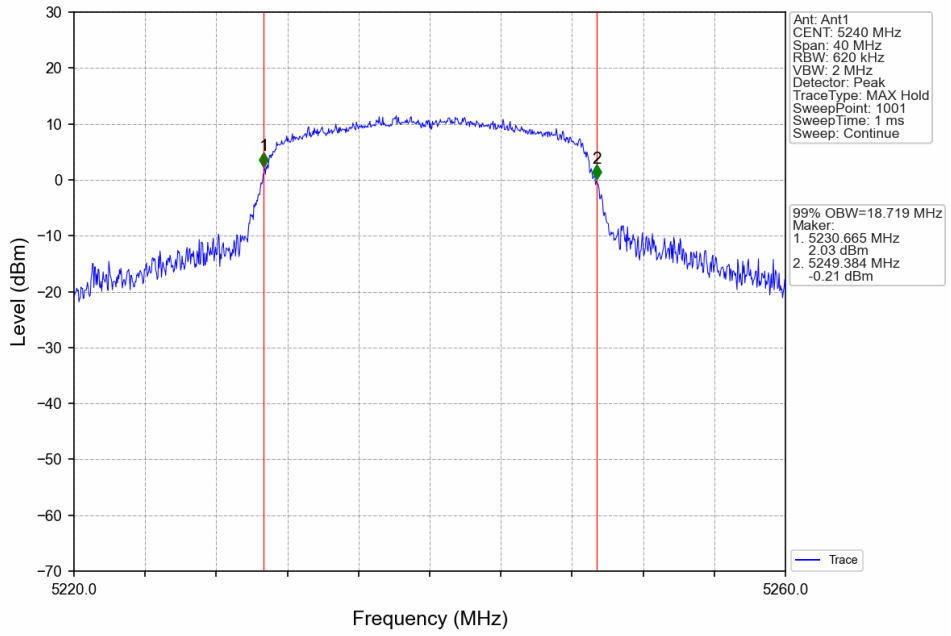
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



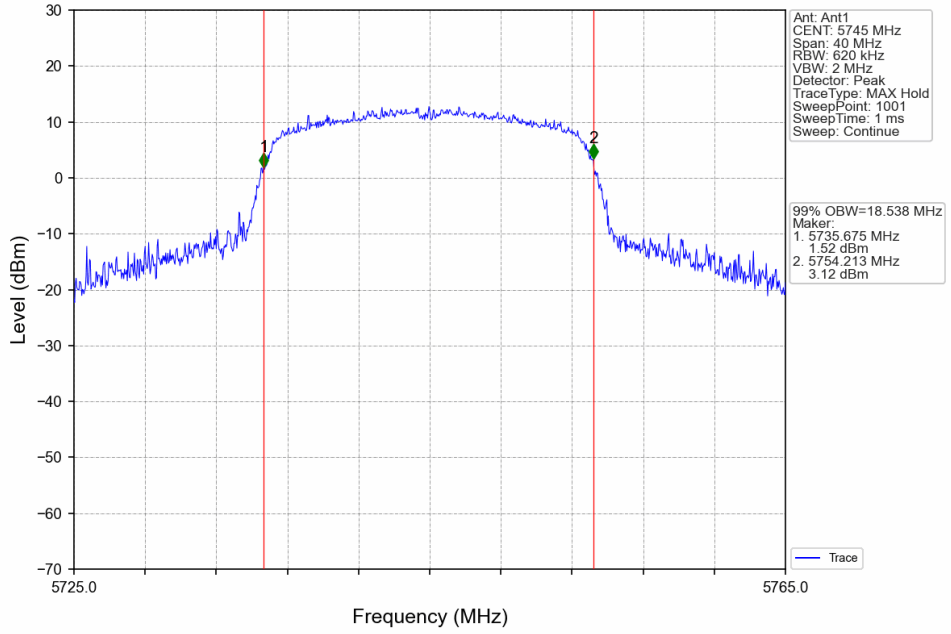
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



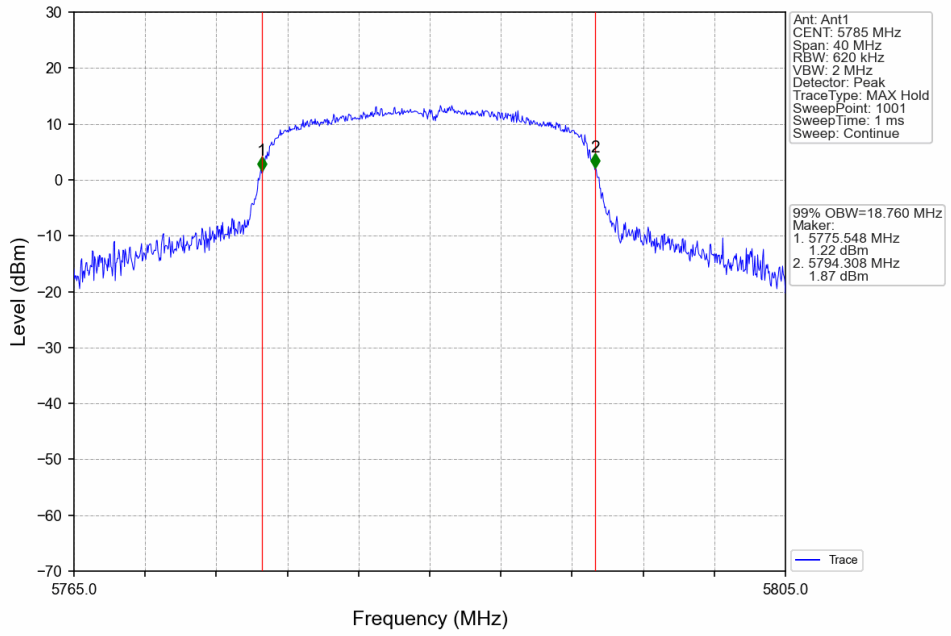
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



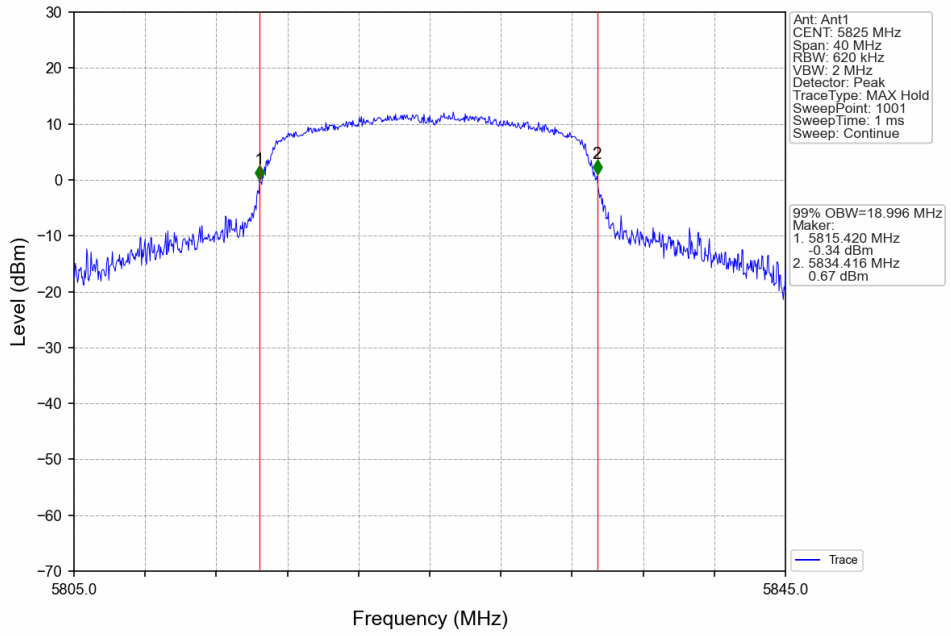
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



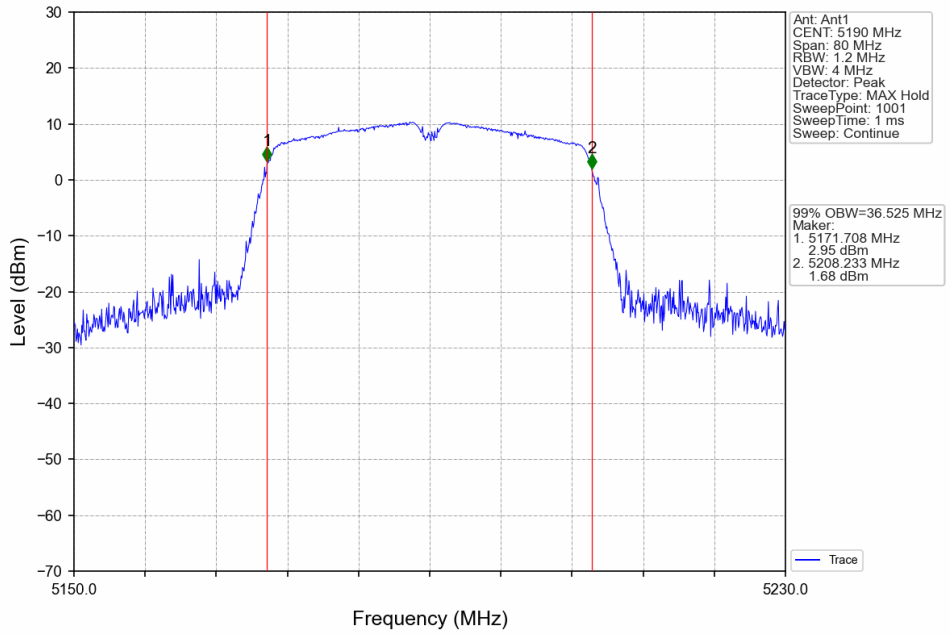
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



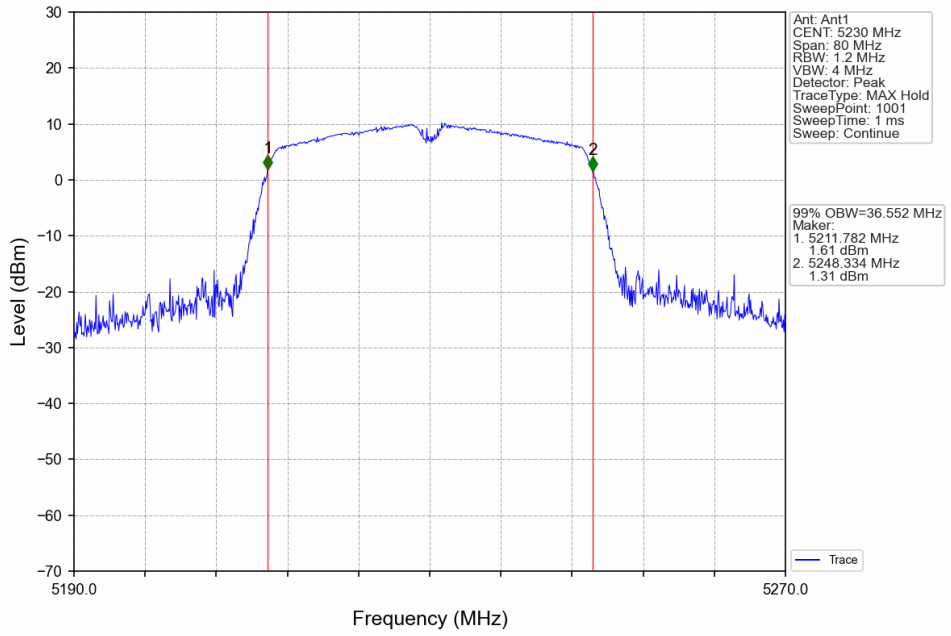
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



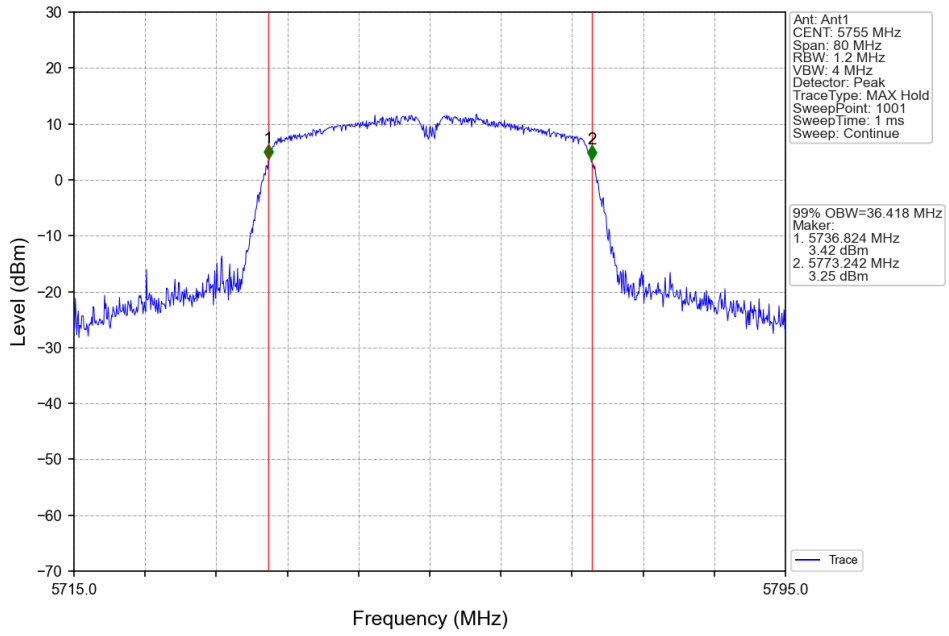
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



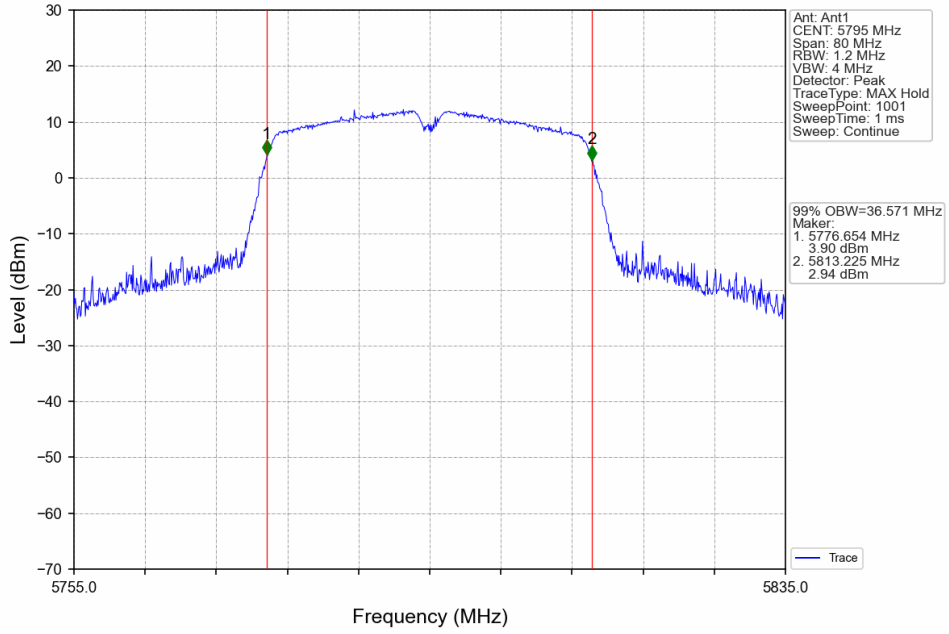
802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



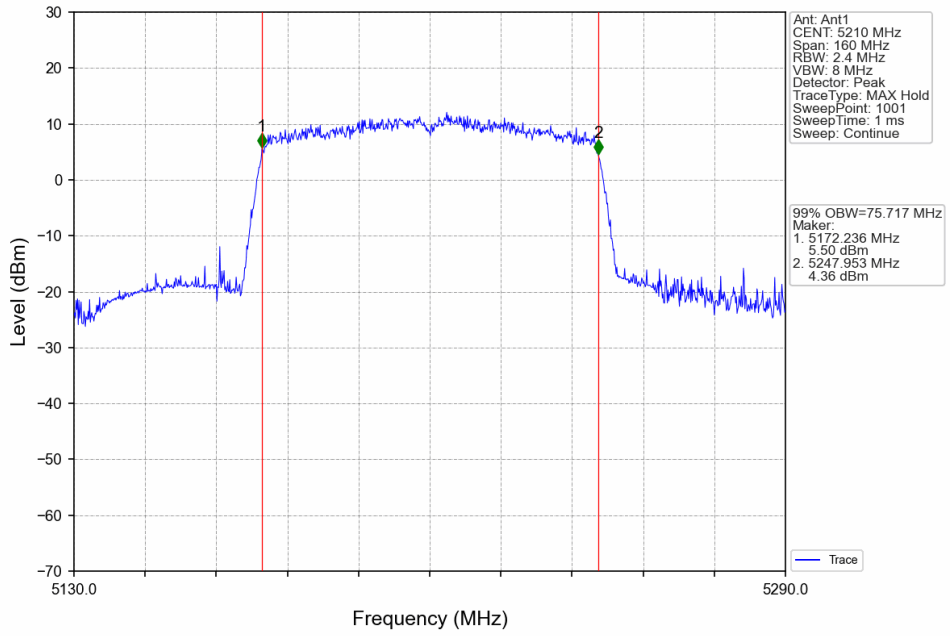
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



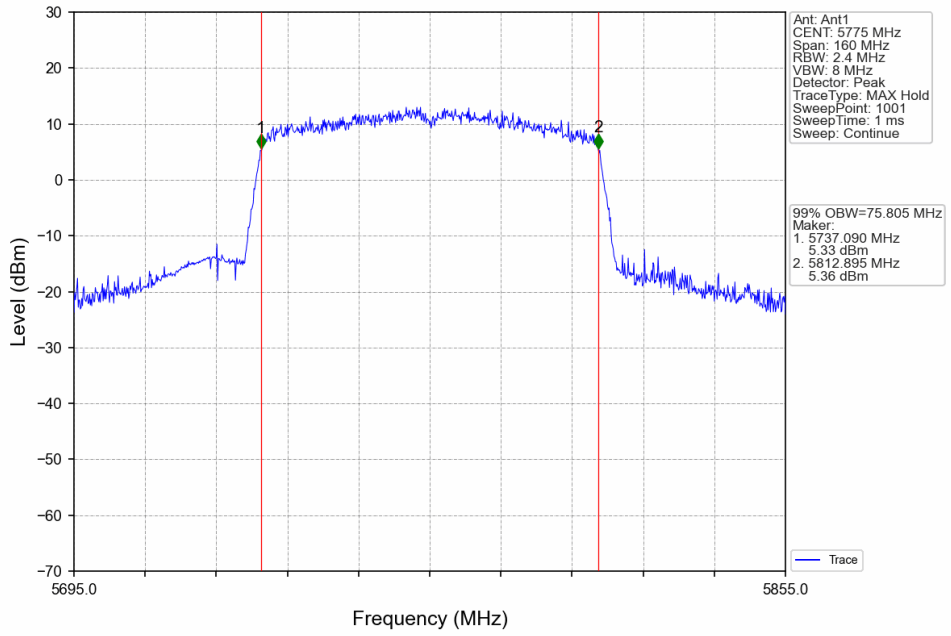
802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



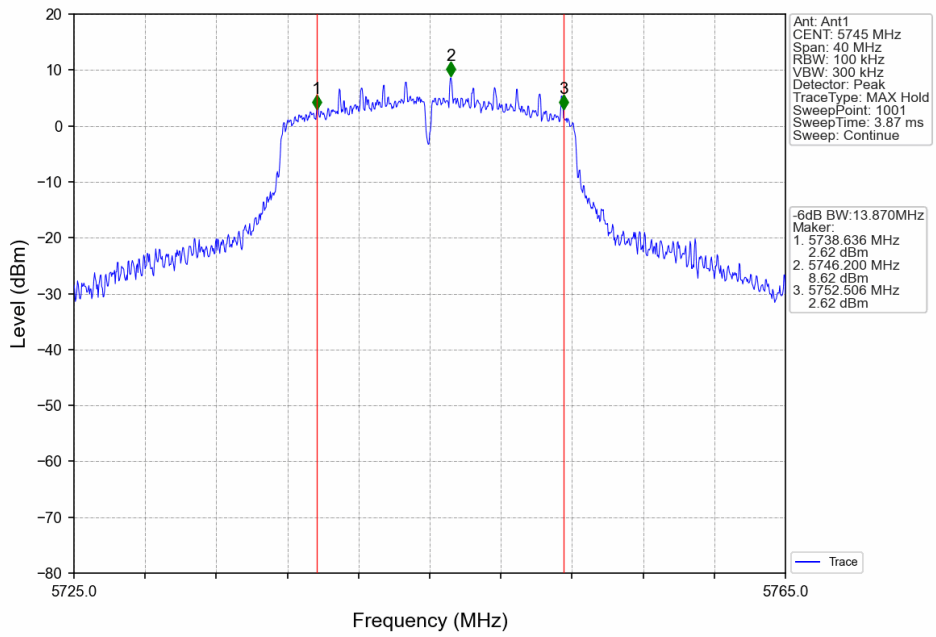
2.2 6dB BW

2.2.1 Test Result

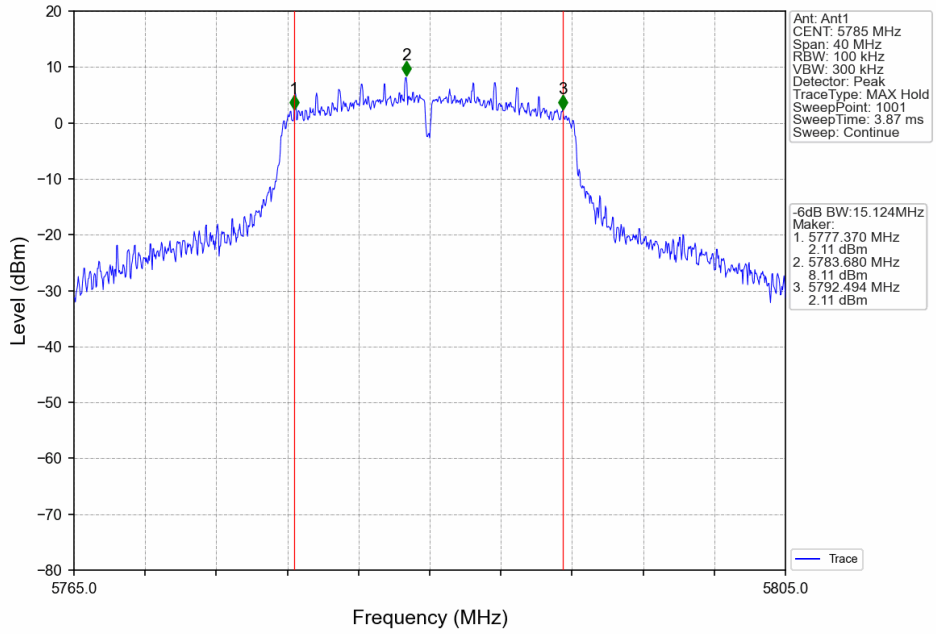
Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5745	1	13.870	>=0.5	Pass
		5785	1	15.124	>=0.5	Pass
		5825	1	15.156	>=0.5	Pass
802.11n (HT20)	SISO	5745	1	15.152	>=0.5	Pass
		5785	1	15.152	>=0.5	Pass
		5825	1	15.119	>=0.5	Pass
802.11n (HT40)	SISO	5755	1	35.151	>=0.5	Pass
		5795	1	35.154	>=0.5	Pass
802.11ac (VHT20)	SISO	5745	1	15.158	>=0.5	Pass
		5785	1	15.142	>=0.5	Pass
		5825	1	15.166	>=0.5	Pass
802.11ac (VHT40)	SISO	5755	1	35.146	>=0.5	Pass
		5795	1	35.151	>=0.5	Pass
802.11ac (VHT80)	SISO	5775	1	75.150	>=0.5	Pass

2.2.2 Test Graph

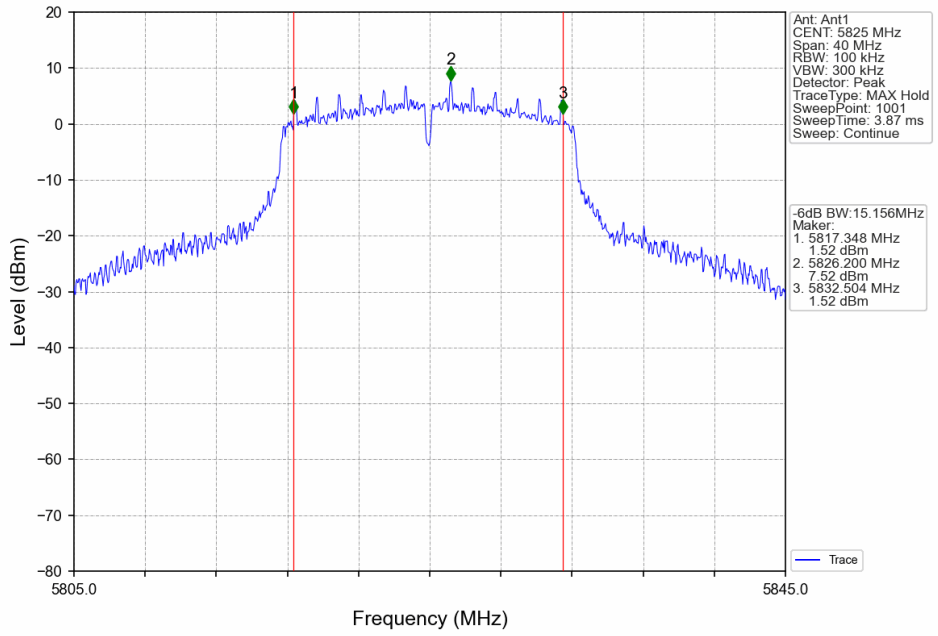
802.11a_LCH_5745MHz_Ant1_NTNV



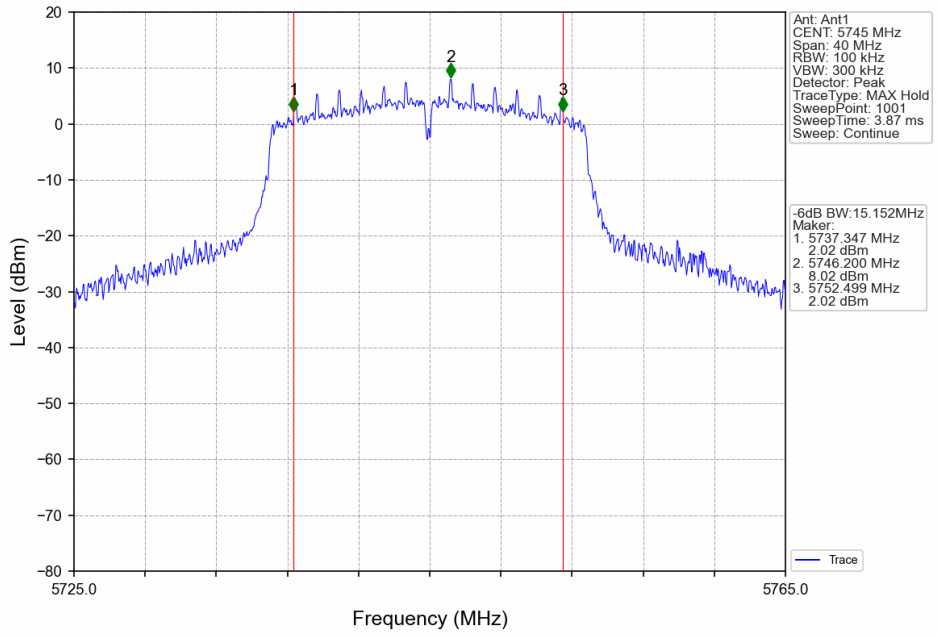
802.11a_MCH_5785MHz_Ant1_NTNV



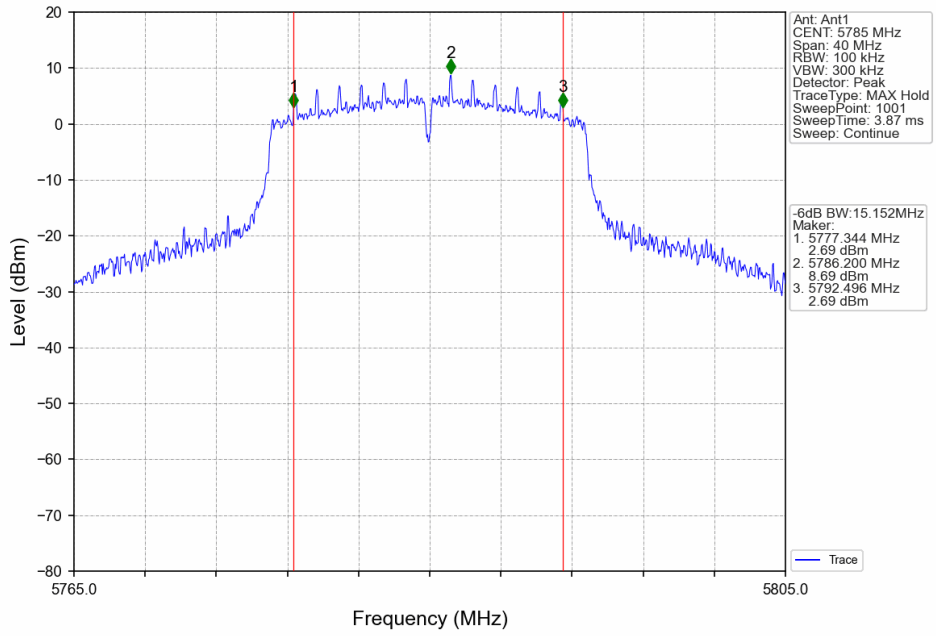
802.11a_HCH_5825MHz_Ant1_NTNV



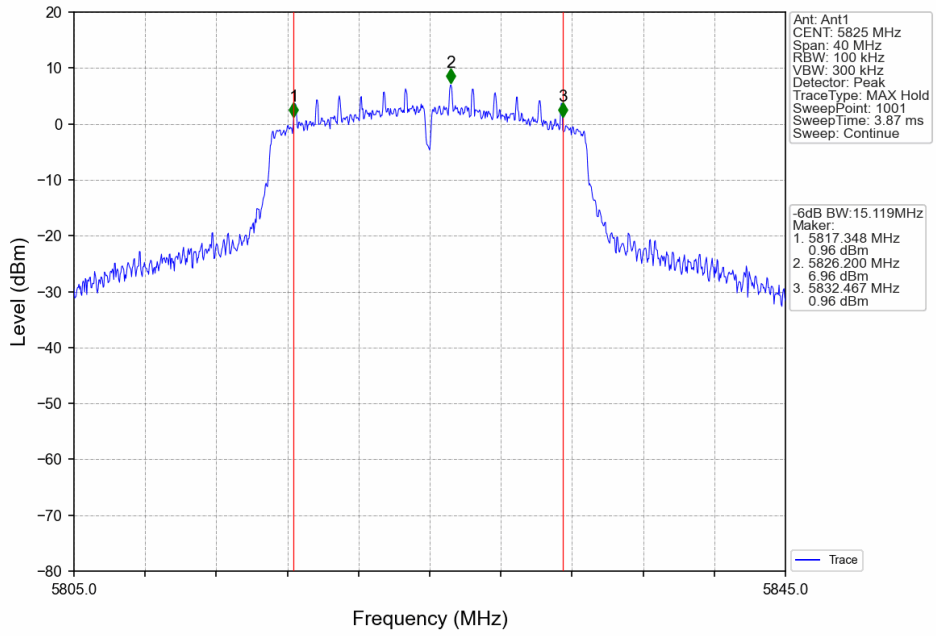
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



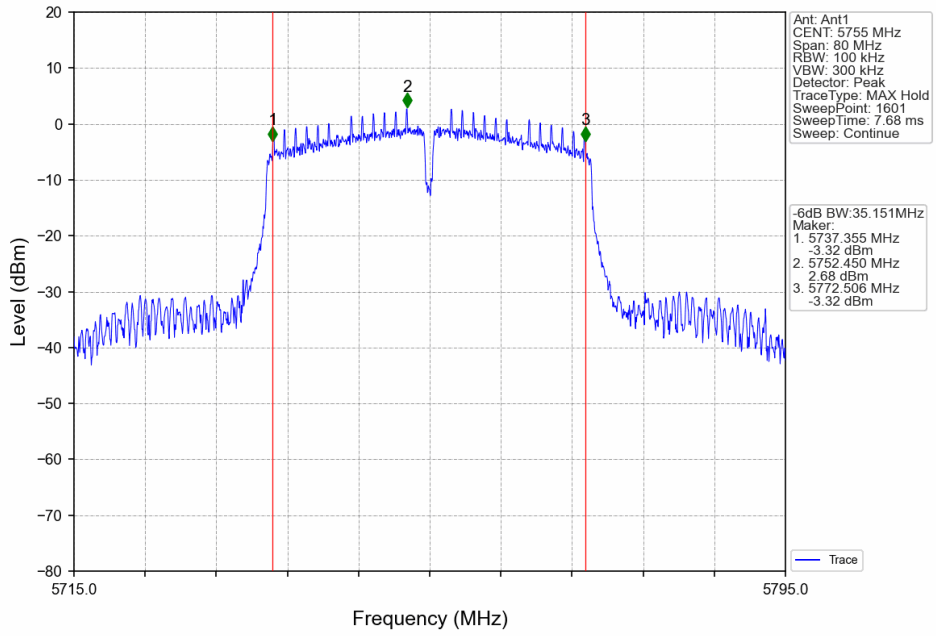
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



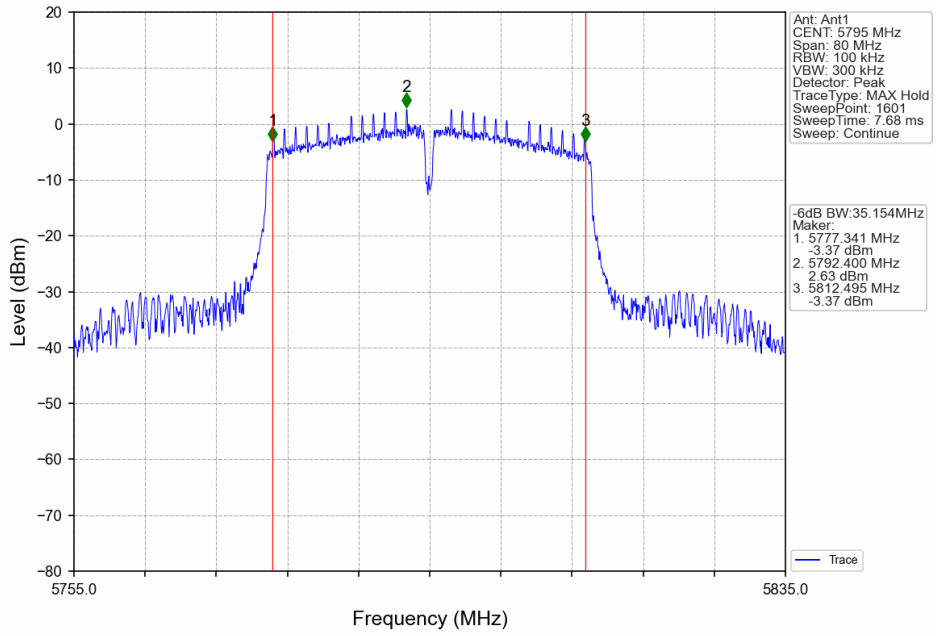
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



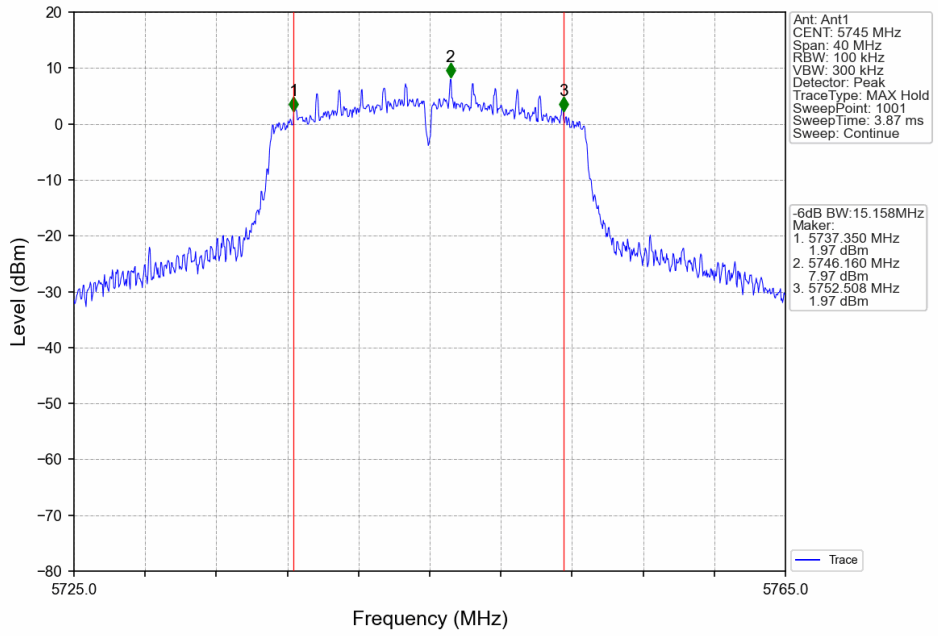
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



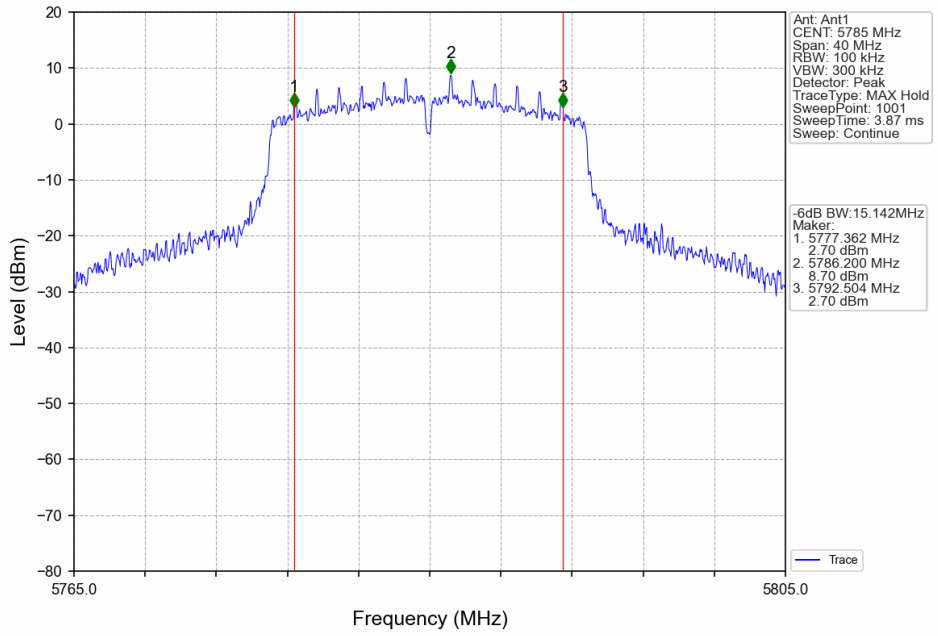
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



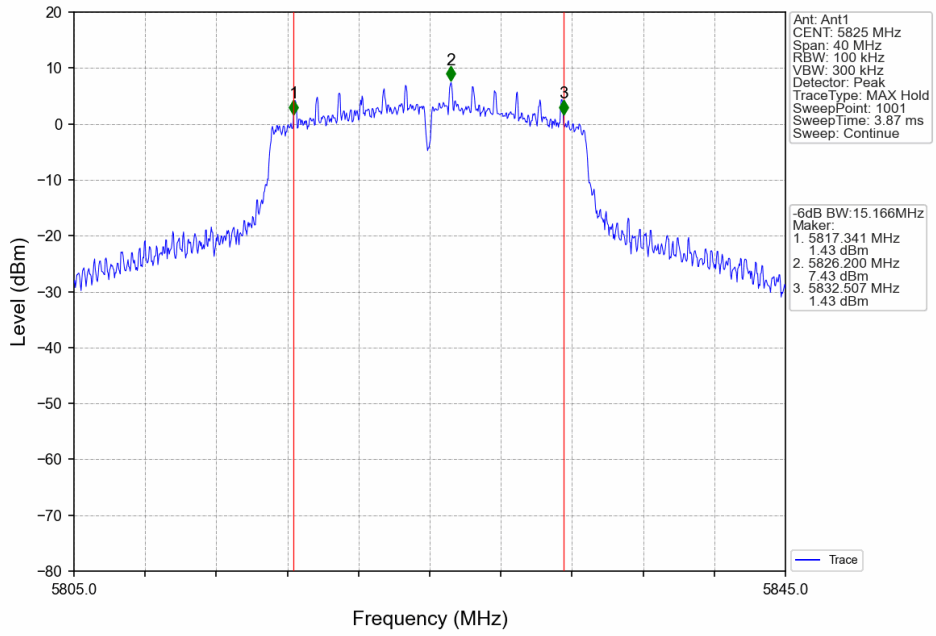
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



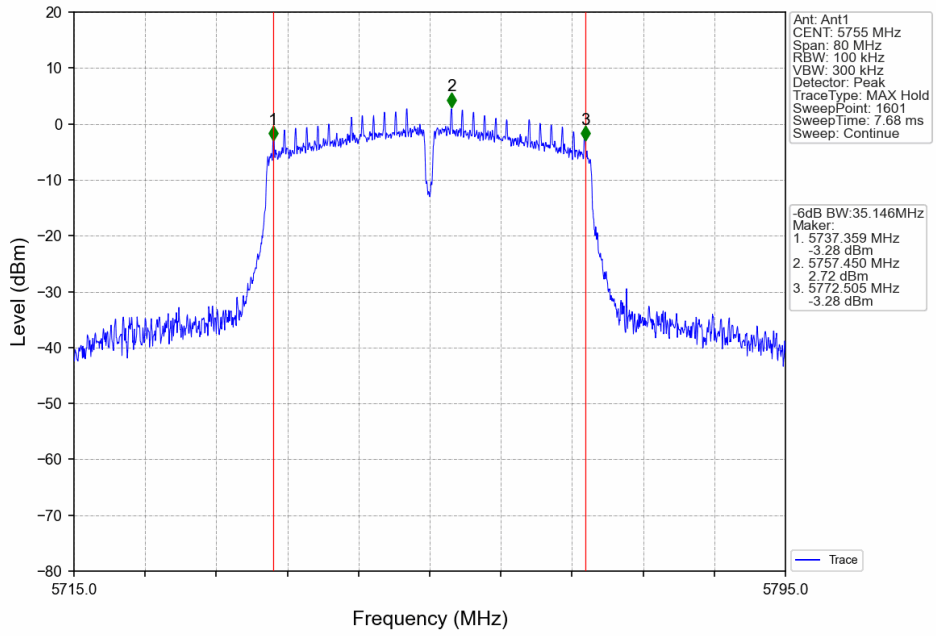
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



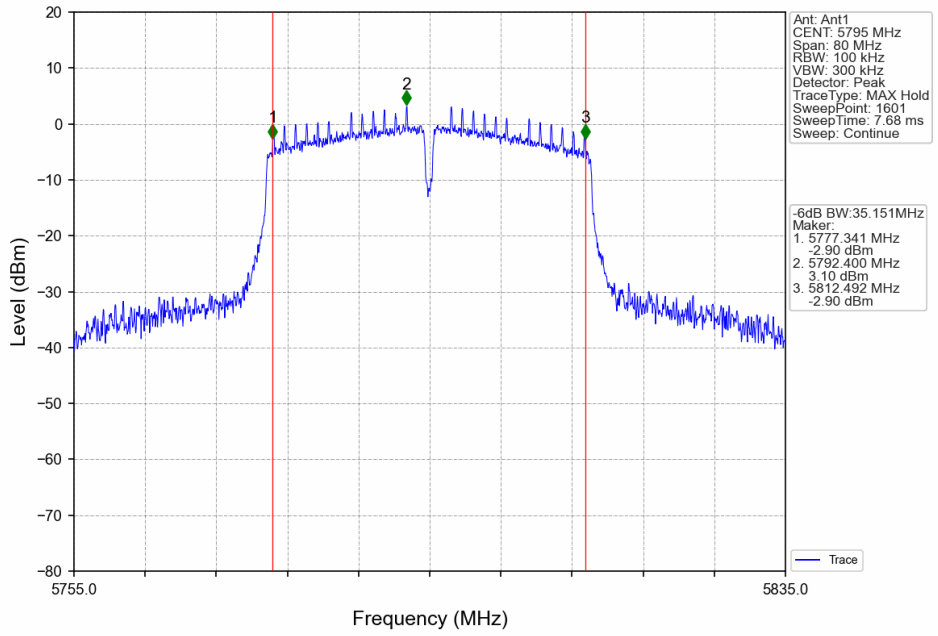
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



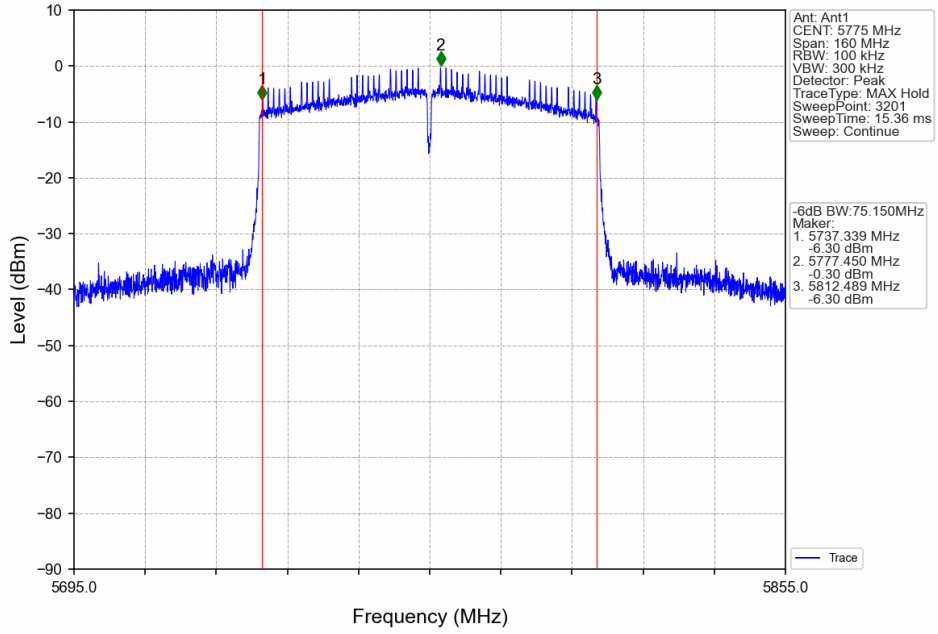
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



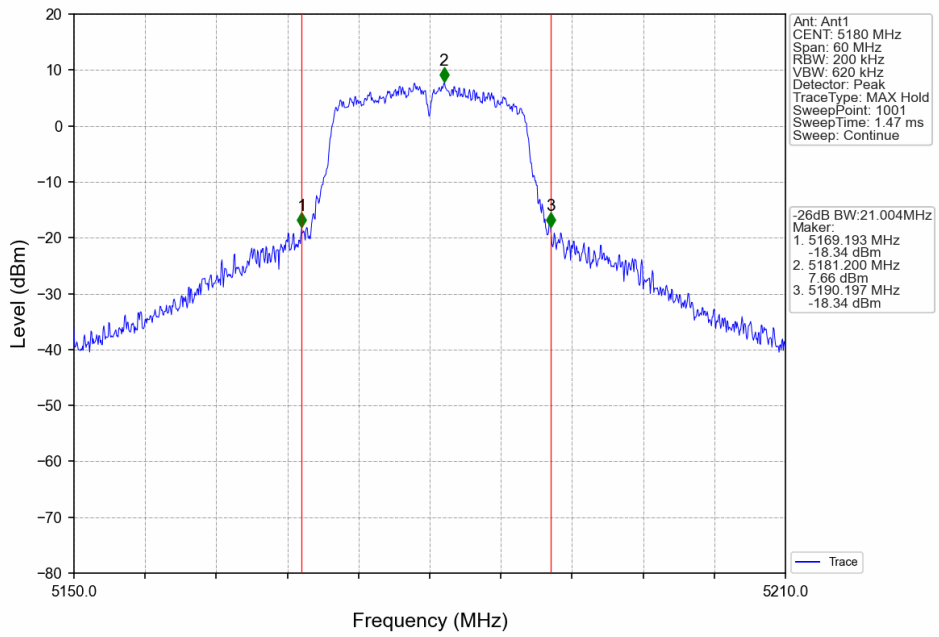
2.3 26dB BW

2.3.1 Test Result

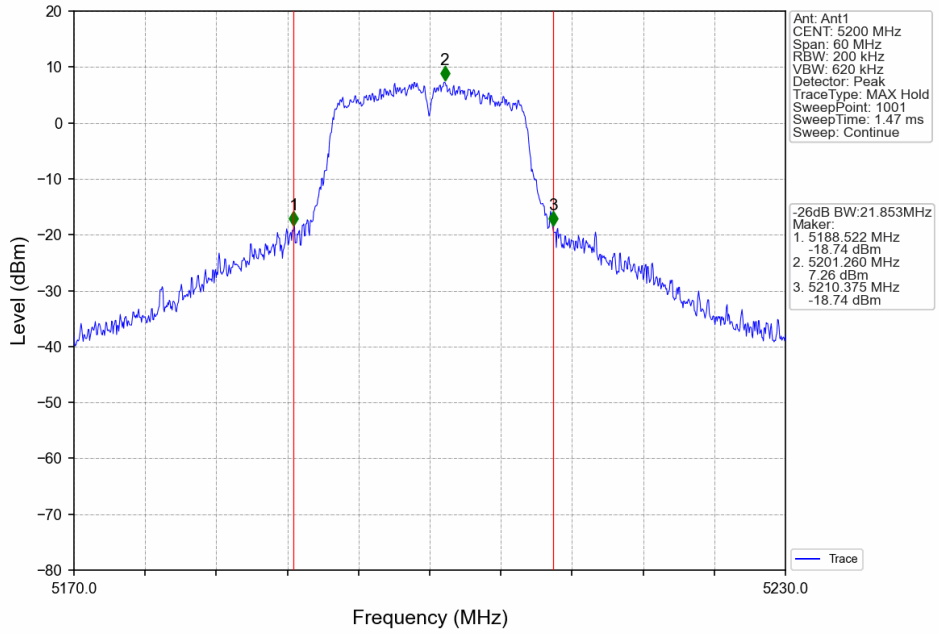
Mode	TX Type	Frequency (MHz)	ANT	26dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5180	1	21.004	/	Pass
		5200	1	21.853	/	Pass
		5240	1	23.828	/	Pass
802.11n (HT20)	SISO	5180	1	21.890	/	Pass
		5200	1	23.042	/	Pass
		5240	1	26.138	/	Pass
802.11n (HT40)	SISO	5190	1	40.719	/	Pass
		5230	1	40.753	/	Pass
802.11ac (VHT20)	SISO	5180	1	23.475	/	Pass
		5200	1	26.698	/	Pass
		5240	1	24.168	/	Pass
802.11ac (VHT40)	SISO	5190	1	40.557	/	Pass
		5230	1	40.650	/	Pass
802.11ac (VHT80)	SISO	5210	1	80.855	/	Pass

2.3.2 Test Graph

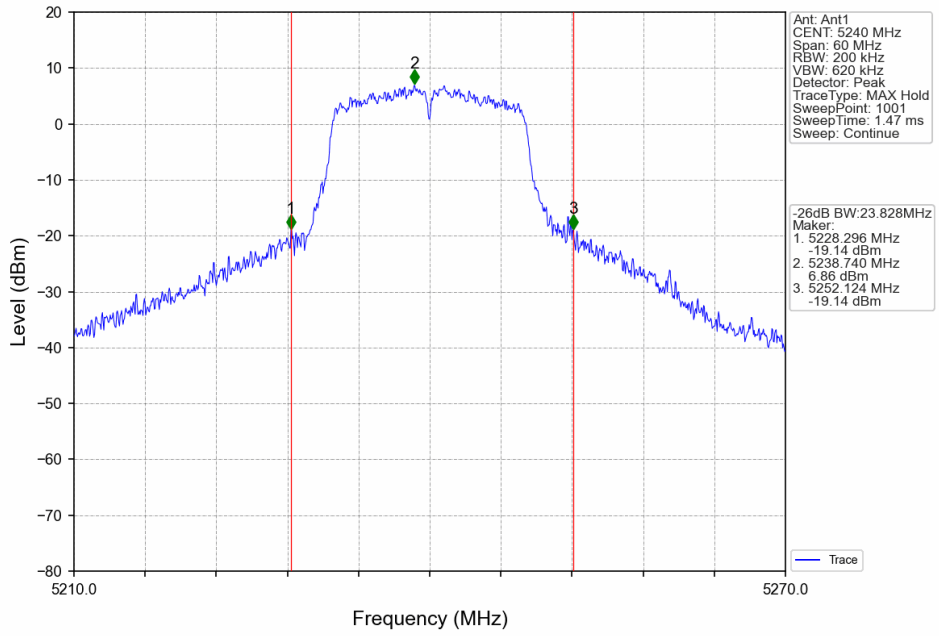
802.11a_LCH_5180MHz_Ant1_NTNV



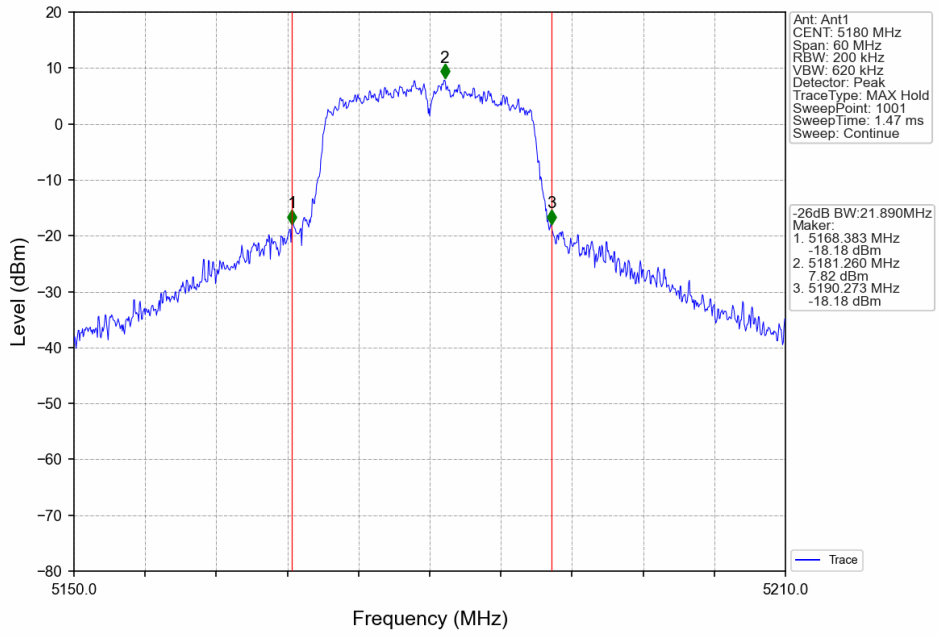
802.11a_MCH_5200MHz_Ant1_NTNV



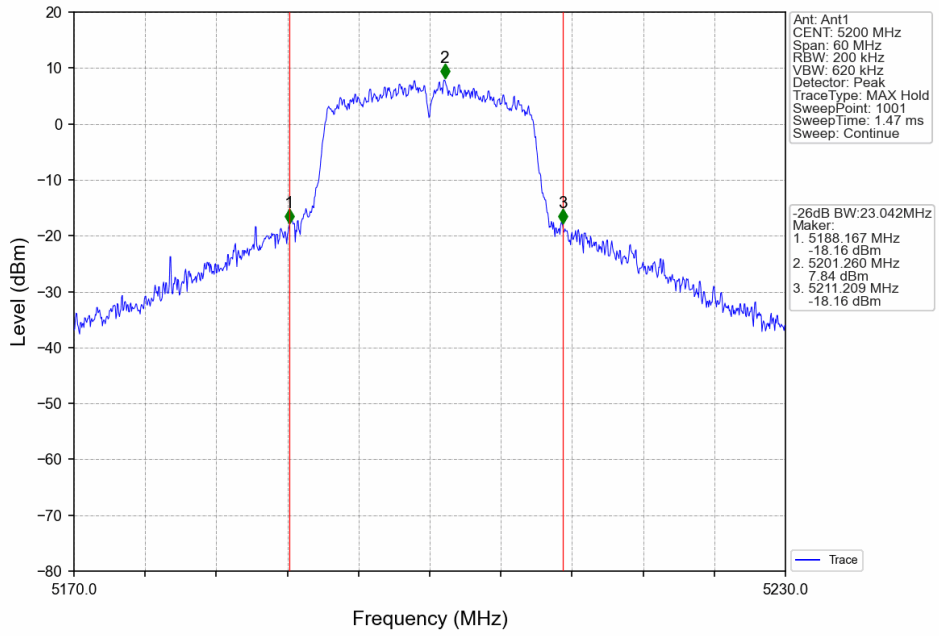
802.11a_HCH_5240MHz_Ant1_NTNV



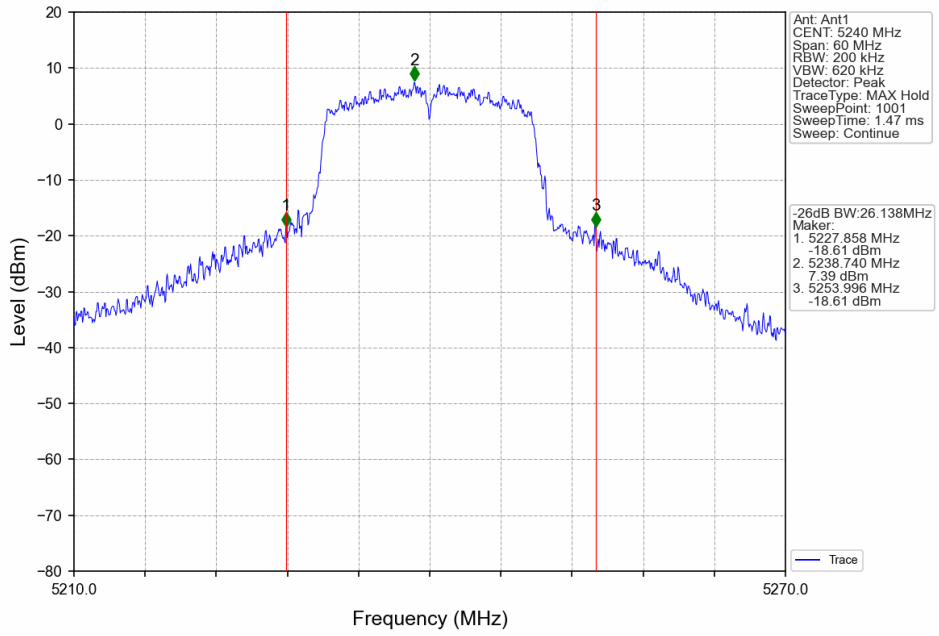
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



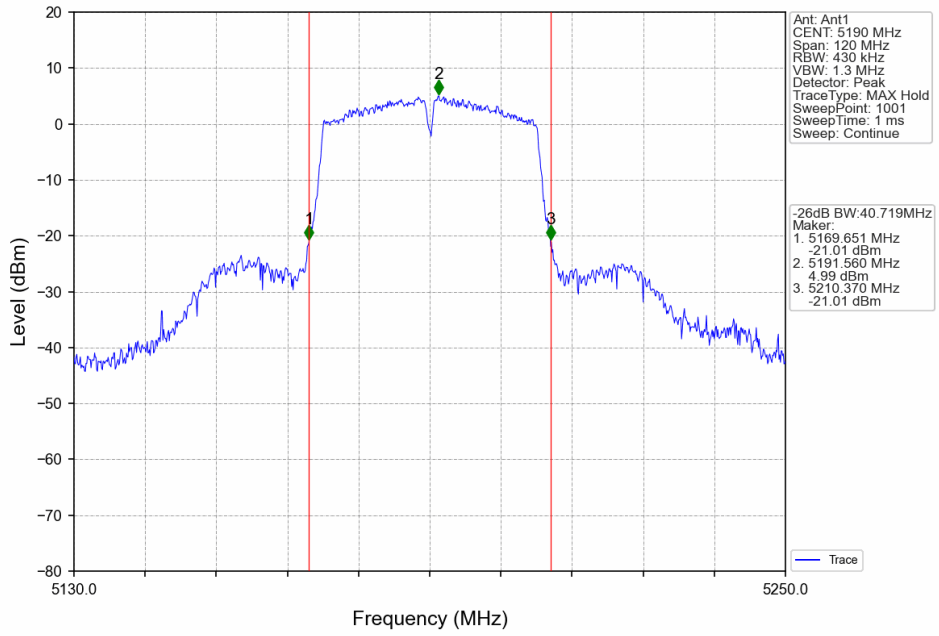
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



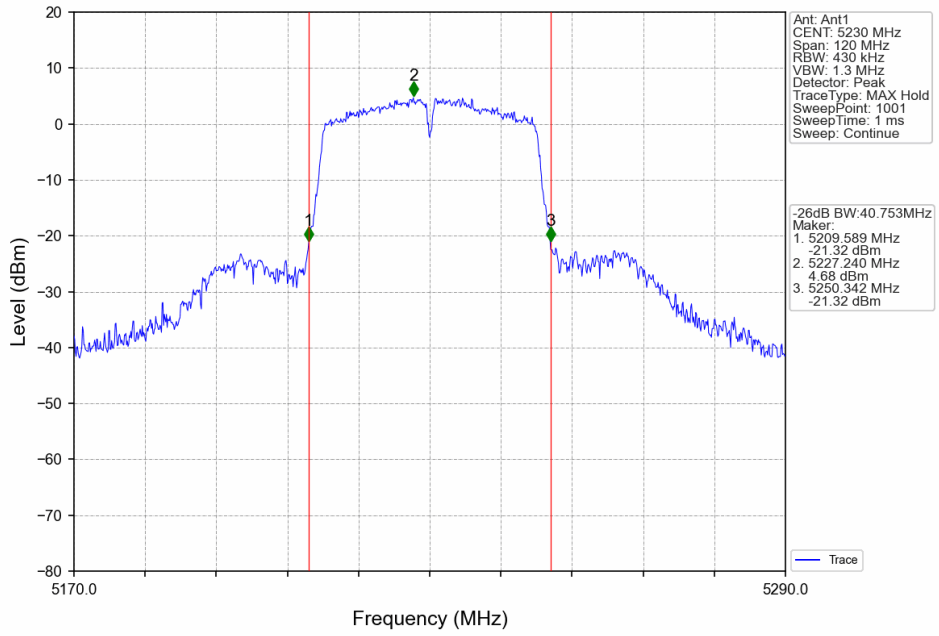
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



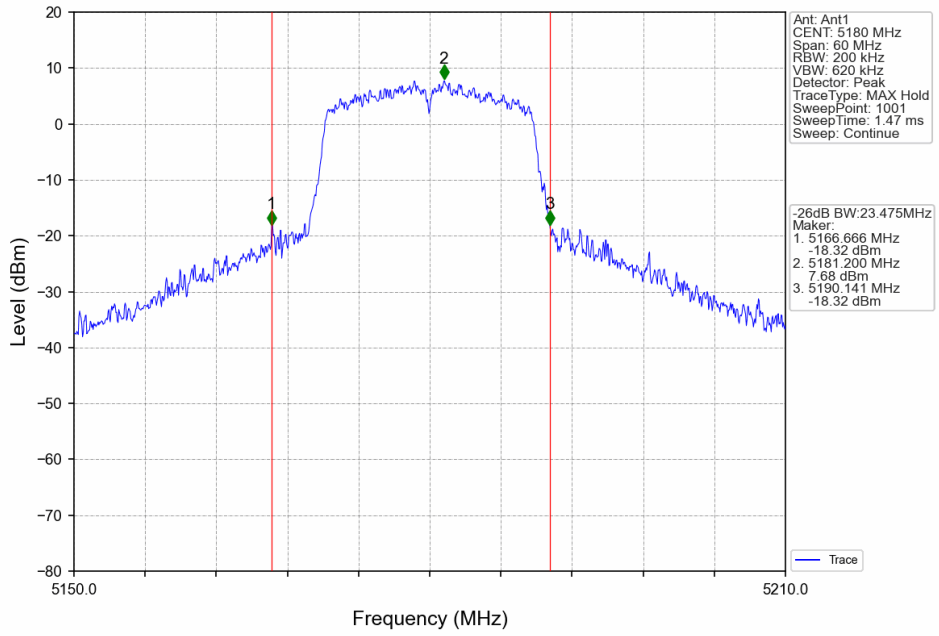
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



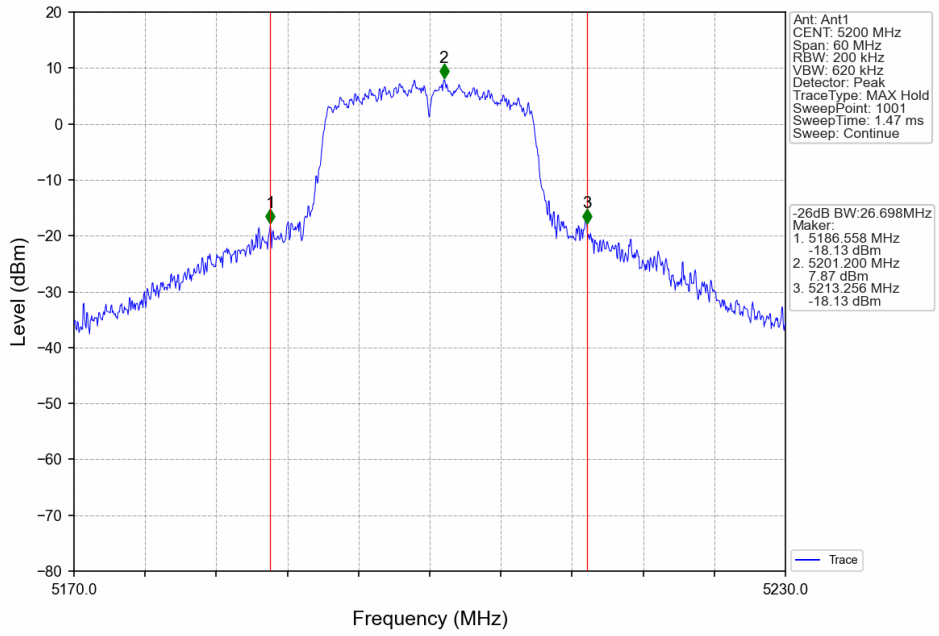
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



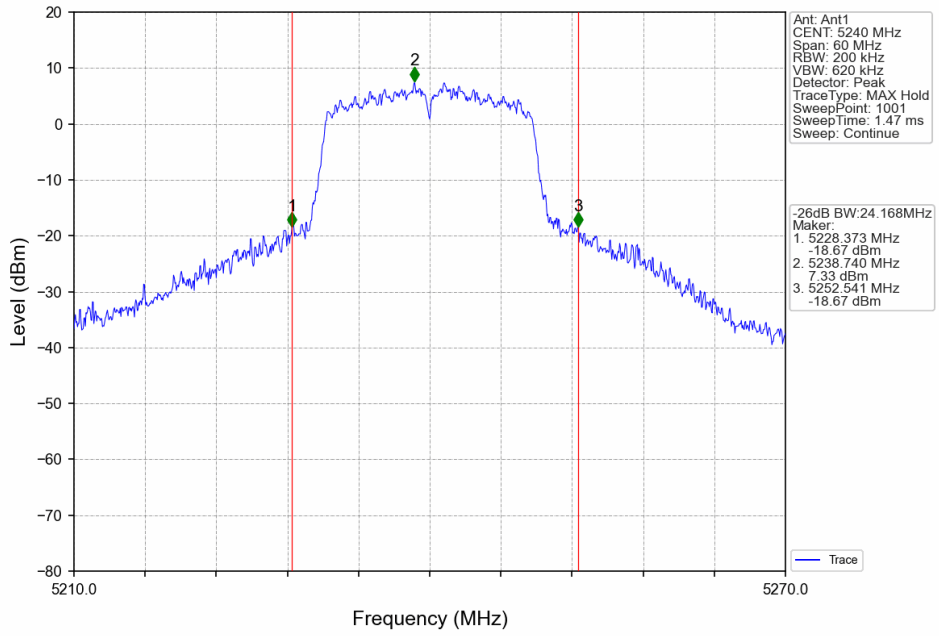
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



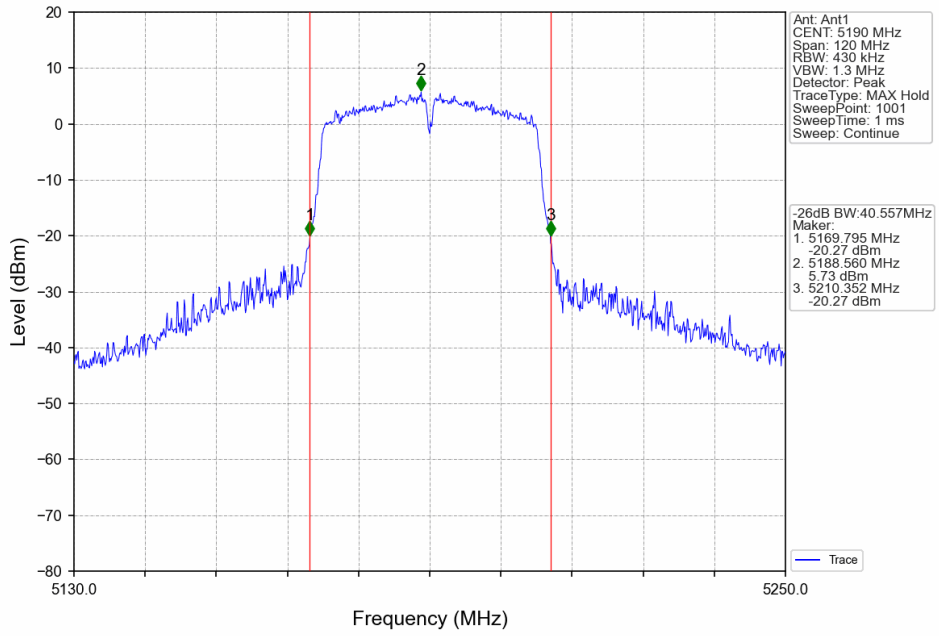
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



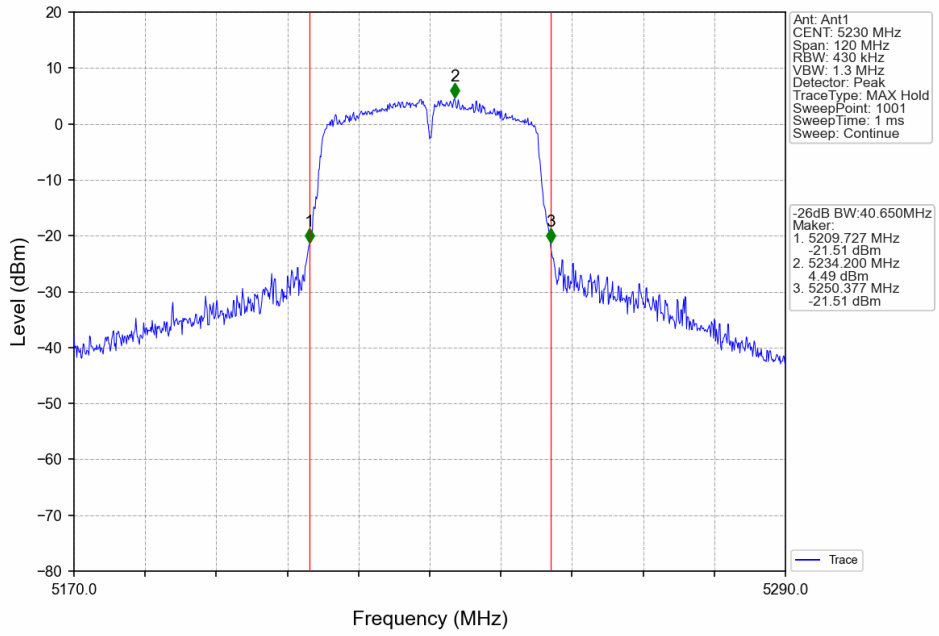
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



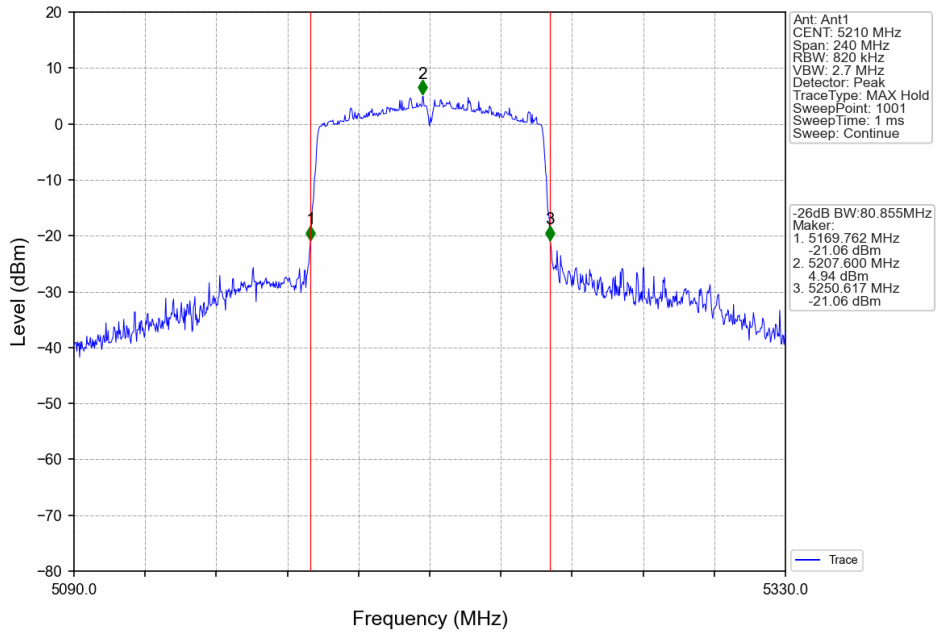
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



3. Maximum Conducted Output Power

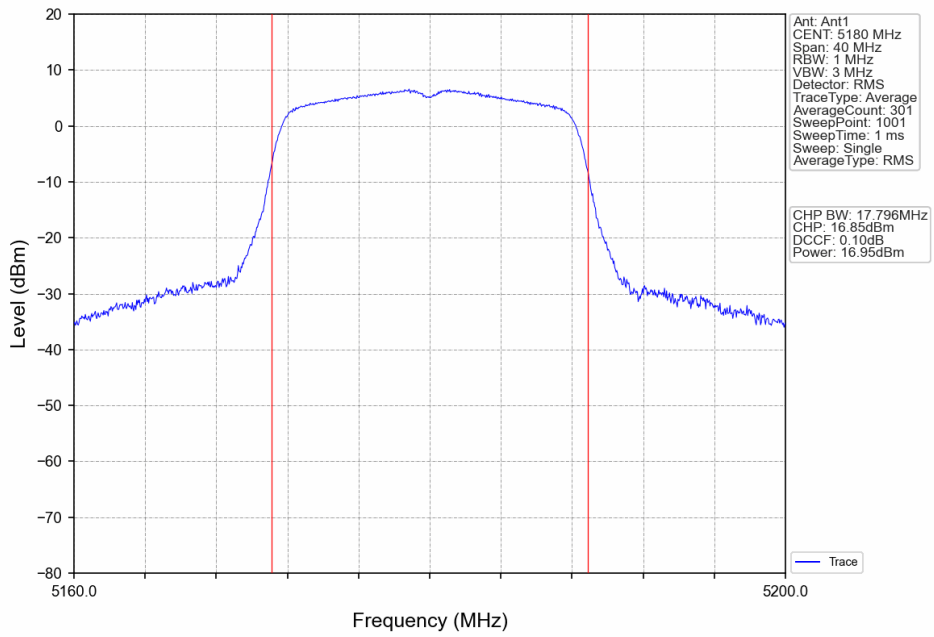
3.1 Power

3.1.1 Test Result

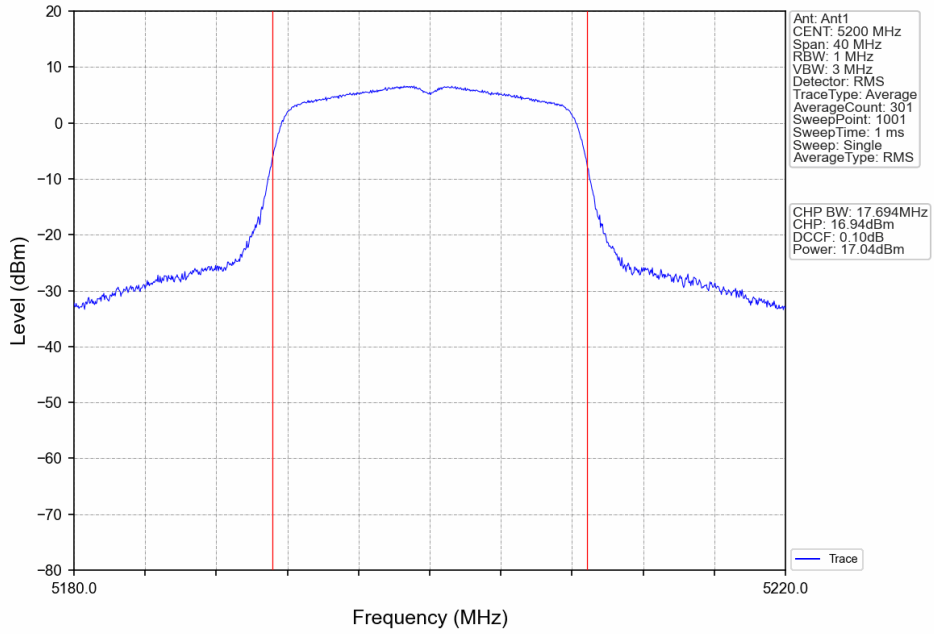
Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
802.11a	SISO	5180	16.95	<=23.98	Pass
		5200	17.04	<=23.98	Pass
		5240	13.74	<=23.98	Pass
		5745	15.44	<=30	Pass
		5785	15.58	<=30	Pass
		5825	16.72	<=30	Pass
802.11n (HT20)	SISO	5180	14.25	<=23.98	Pass
		5200	13.85	<=23.98	Pass
		5240	14.05	<=23.98	Pass
		5745	15.31	<=30	Pass
		5785	15.97	<=30	Pass
		5825	14.30	<=30	Pass
802.11n (HT40)	SISO	5190	12.17	<=23.98	Pass
		5230	11.59	<=23.98	Pass
		5755	13.53	<=30	Pass
		5795	13.43	<=30	Pass
802.11ac (VHT20)	SISO	5180	14.30	<=23.98	Pass
		5200	13.89	<=23.98	Pass
		5240	13.57	<=23.98	Pass
		5745	15.29	<=30	Pass
		5785	15.51	<=30	Pass
		5825	14.29	<=30	Pass
802.11ac (VHT40)	SISO	5190	12.17	<=23.98	Pass
		5230	11.66	<=23.98	Pass
		5755	13.54	<=30	Pass
		5795	13.39	<=30	Pass
802.11ac (VHT80)	SISO	5210	11.84	<=23.98	Pass
		5775	13.17	<=30	Pass
Note1: Antenna Gain: Ant1: 4.36dBi;					

3.1.2 Test Graph

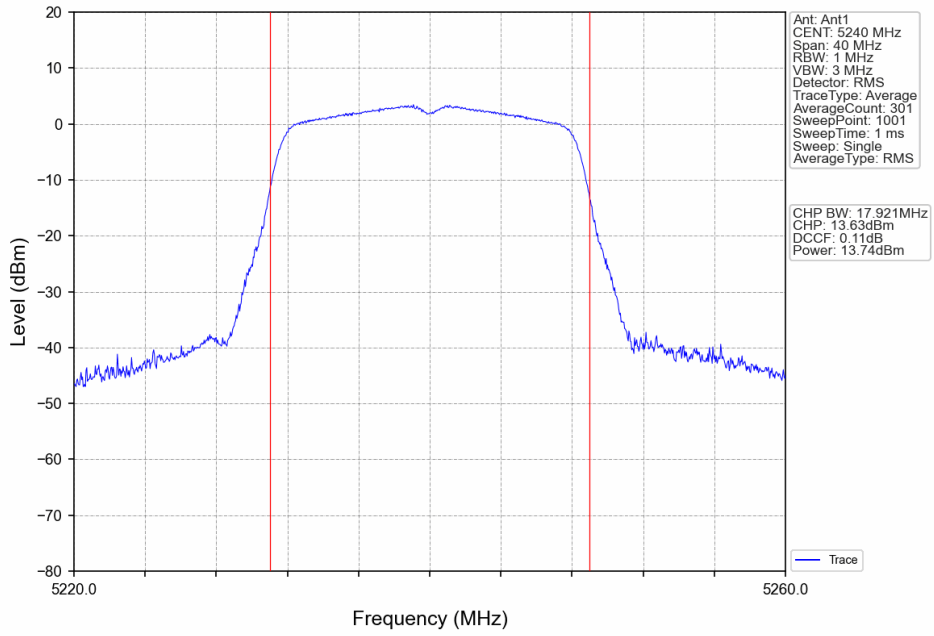
802.11a_LCH_5180MHz_Ant1_NTNV



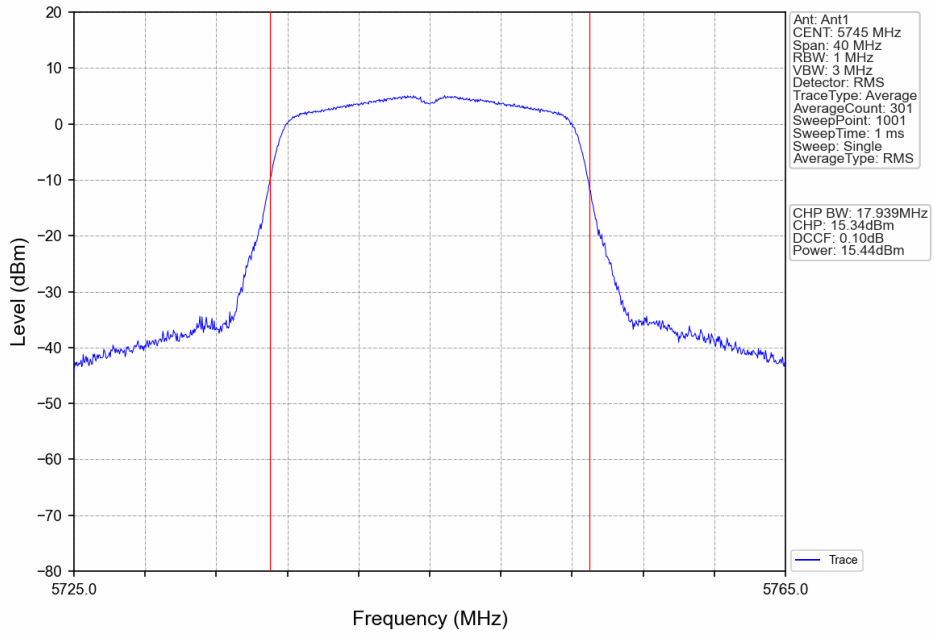
802.11a_MCH_5200MHz_Ant1_NTNV



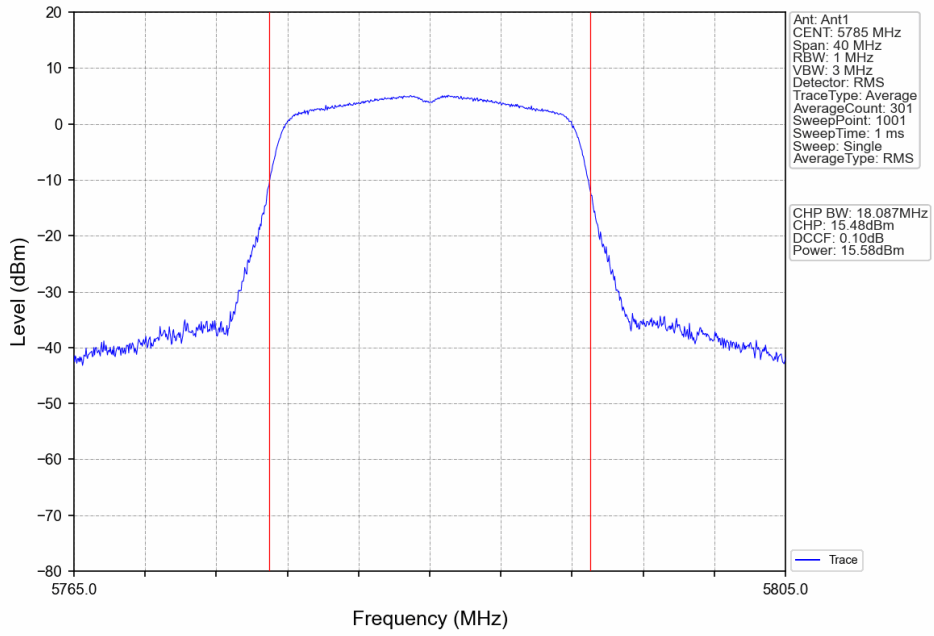
802.11a_HCH_5240MHz_Ant1_NTNV



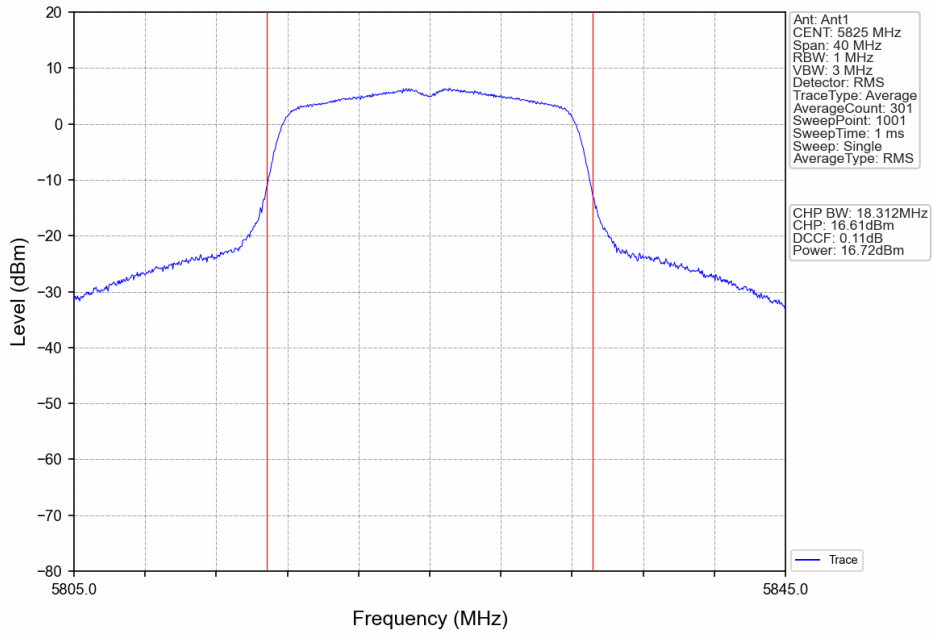
802.11a_LCH_5745MHz_Ant1_NTNV



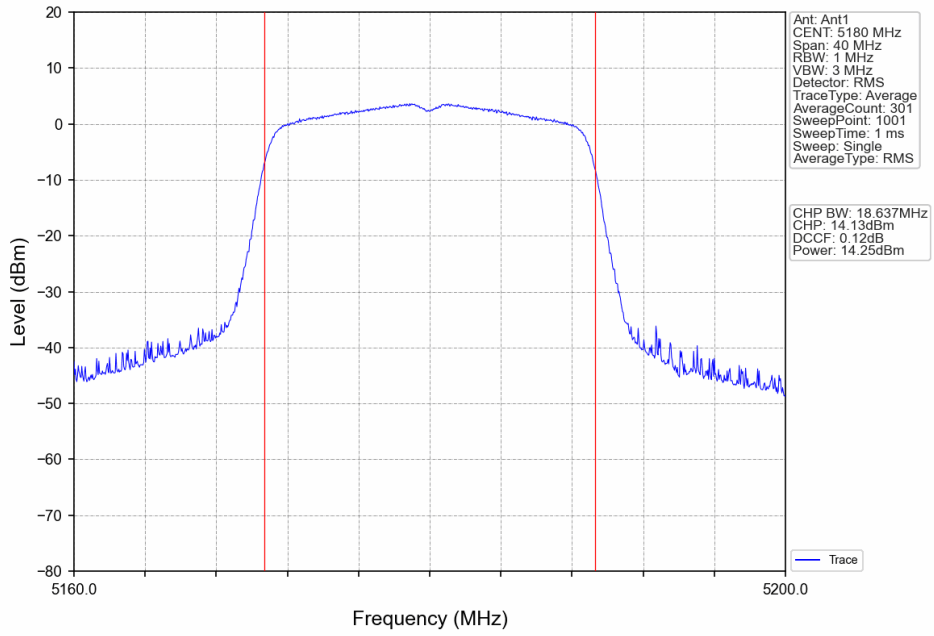
802.11a_MCH_5785MHz_Ant1_NTNV



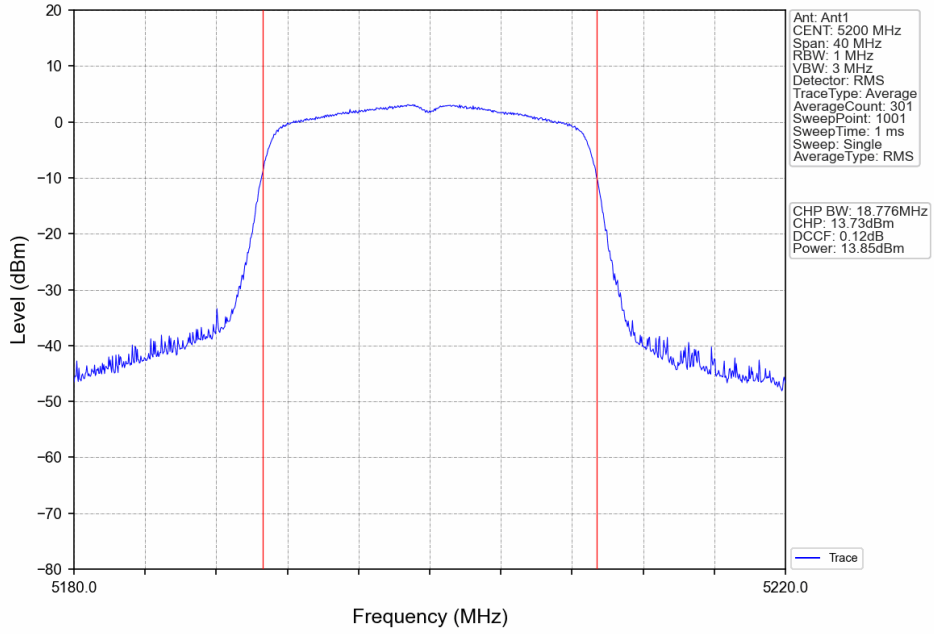
802.11a_HCH_5825MHz_Ant1_NTNV



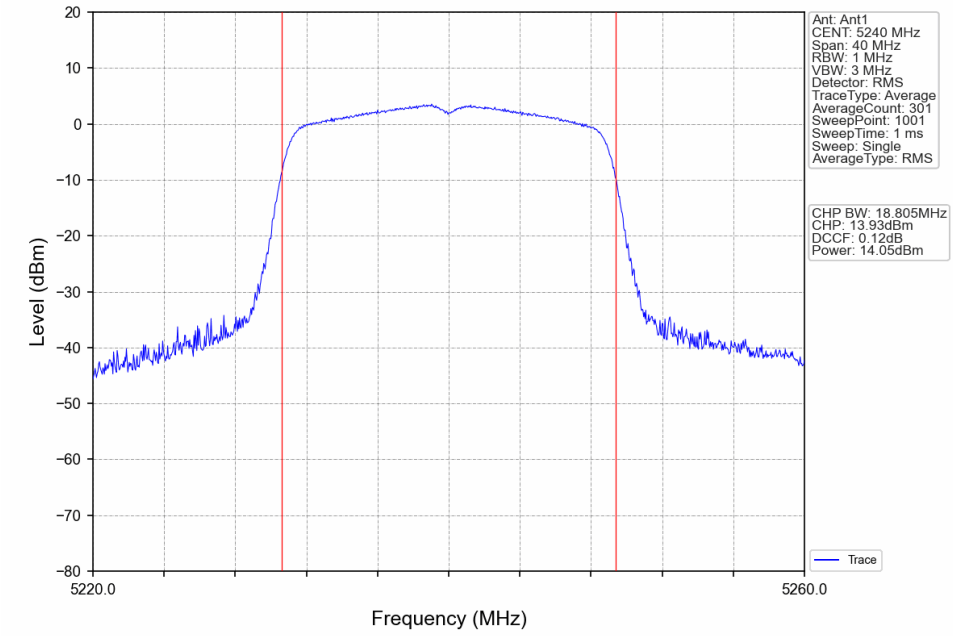
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



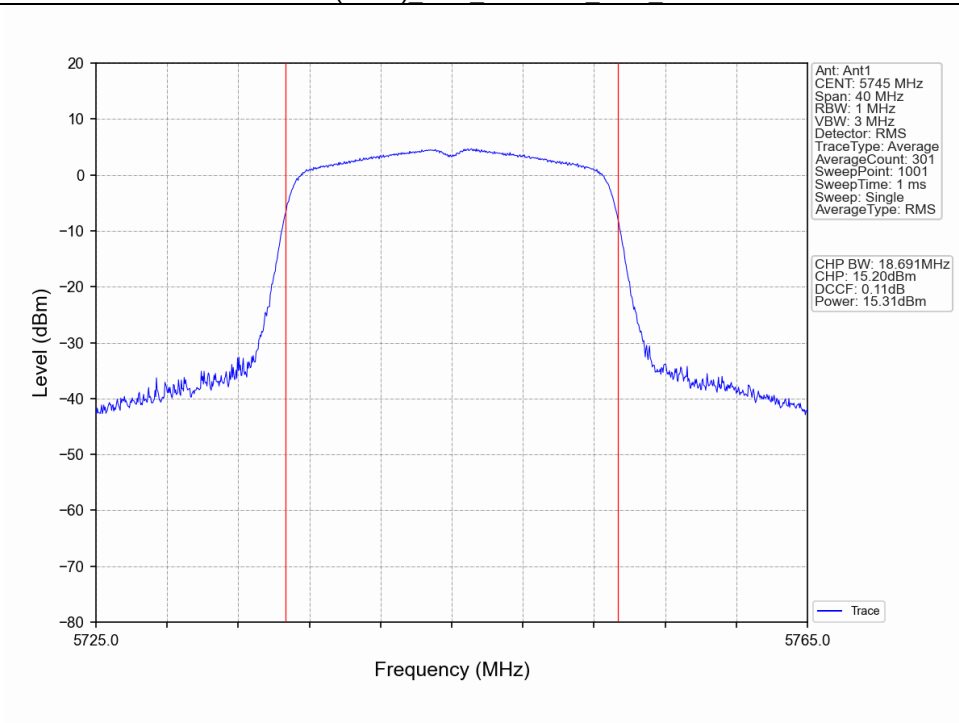
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



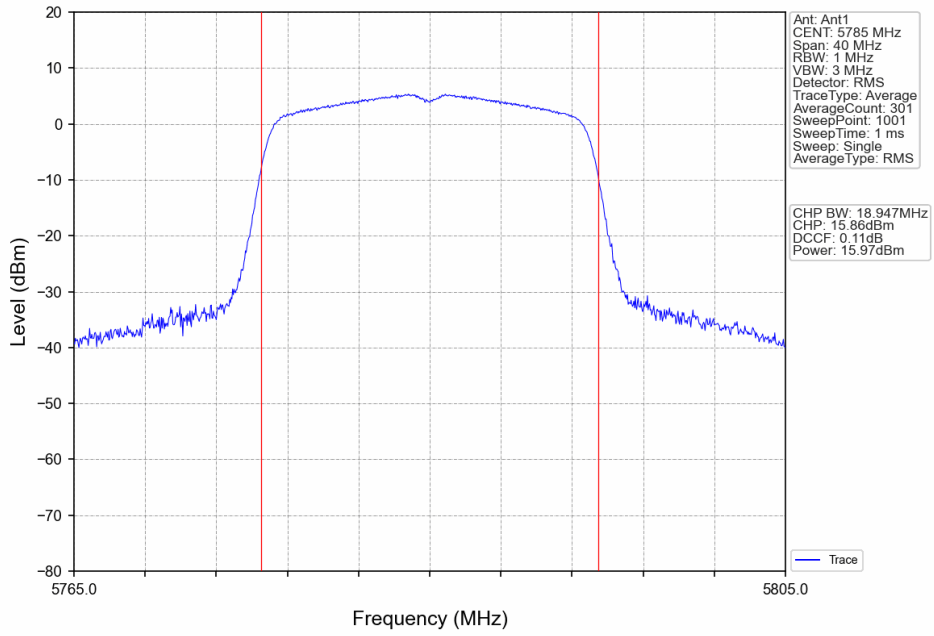
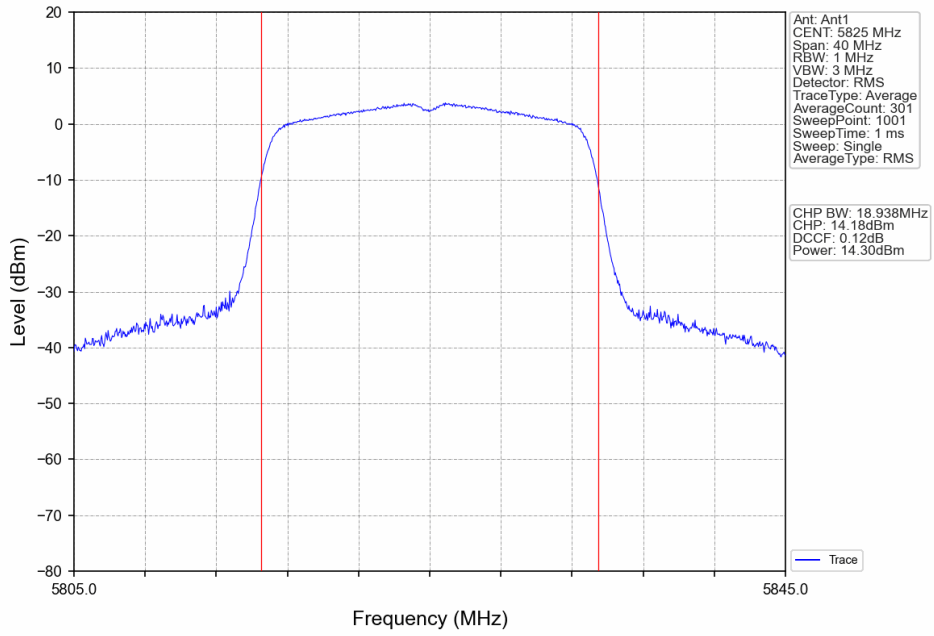
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



802.11n(HT20)_HCH_5825MHz_Ant1_NTNV