

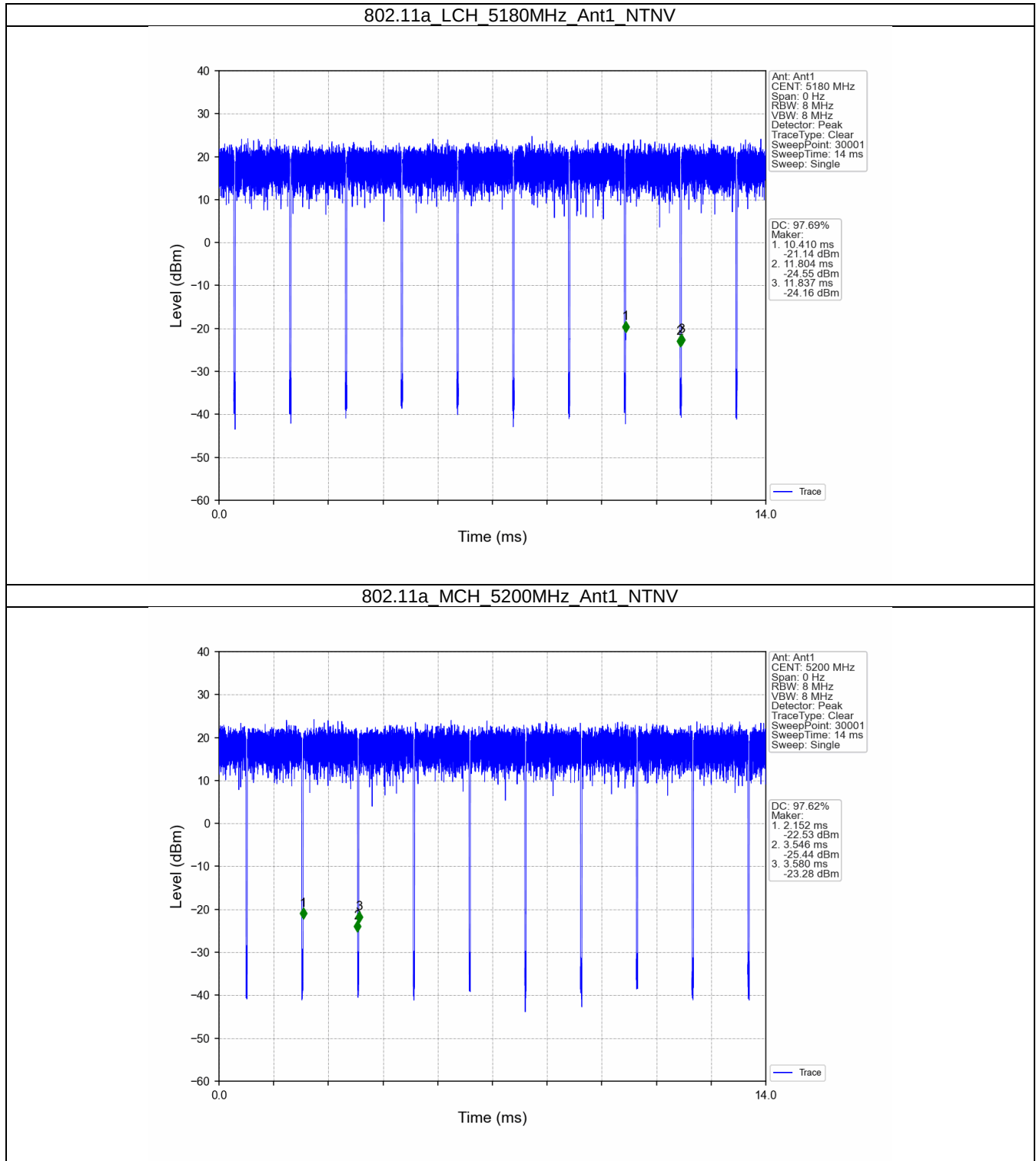
1. Duty Cycle

1.1 Ant1

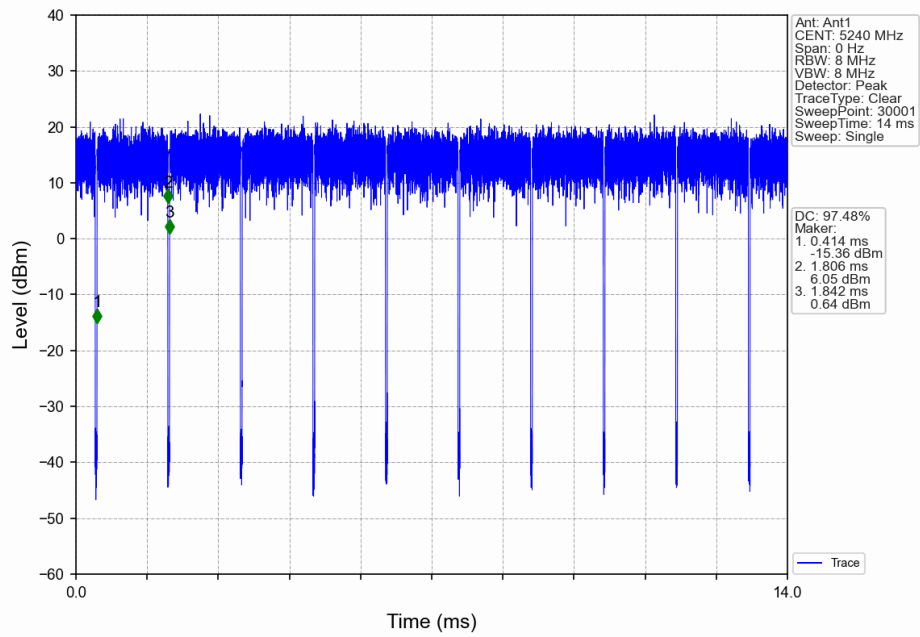
1.1.1 Test Result

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

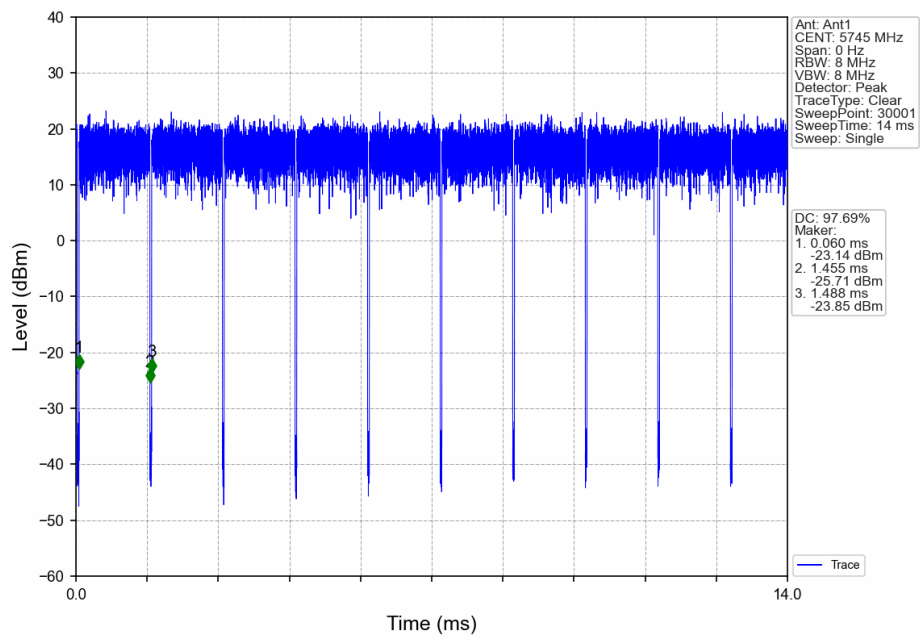
1.1.2 Test Graph



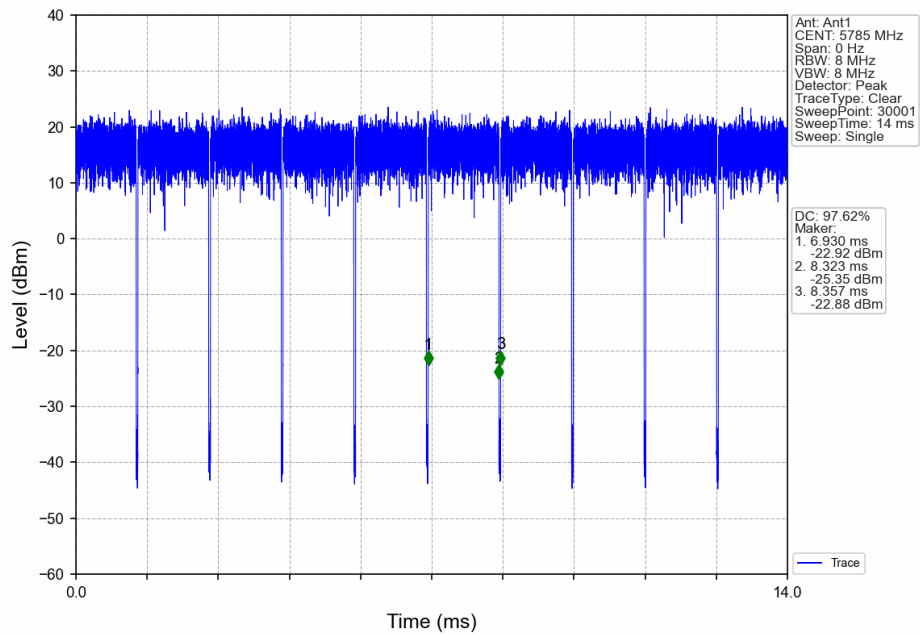
802.11a HCH 5240MHz Ant1 NTN



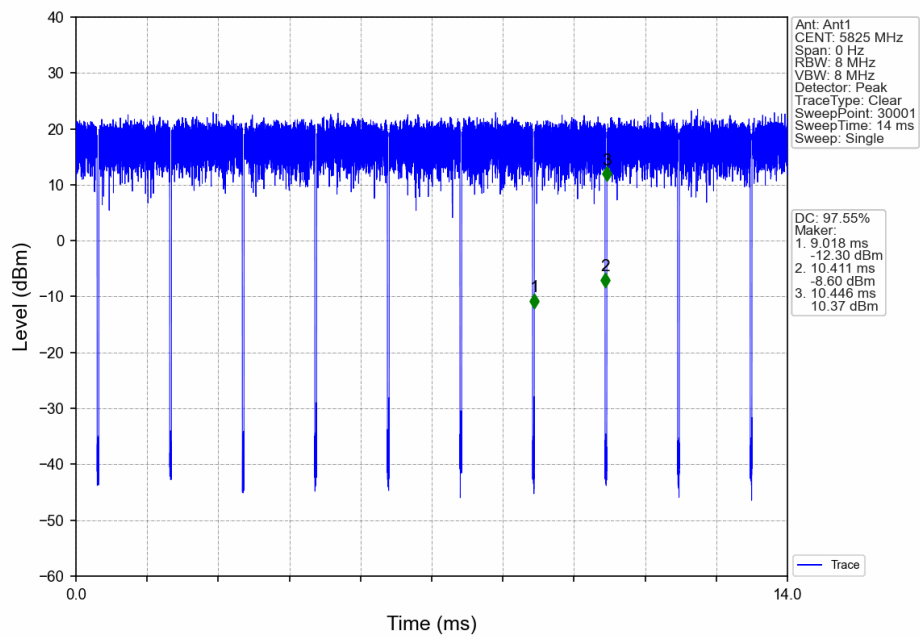
802.11a LCH 5745MHz Ant1 NTN



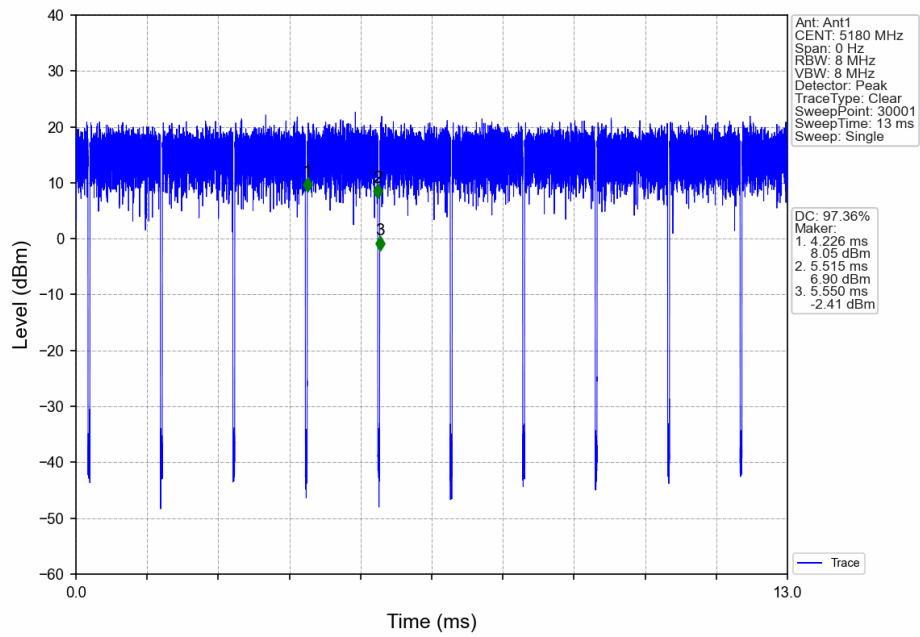
802.11a MCH 5785MHz Ant1 NTN



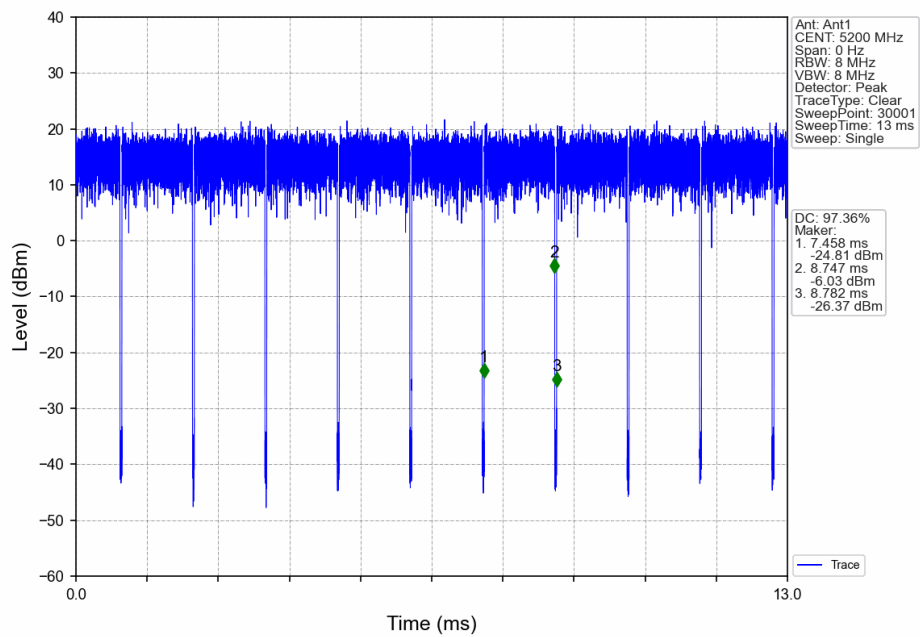
802.11a HCH 5825MHz Ant1 NTN



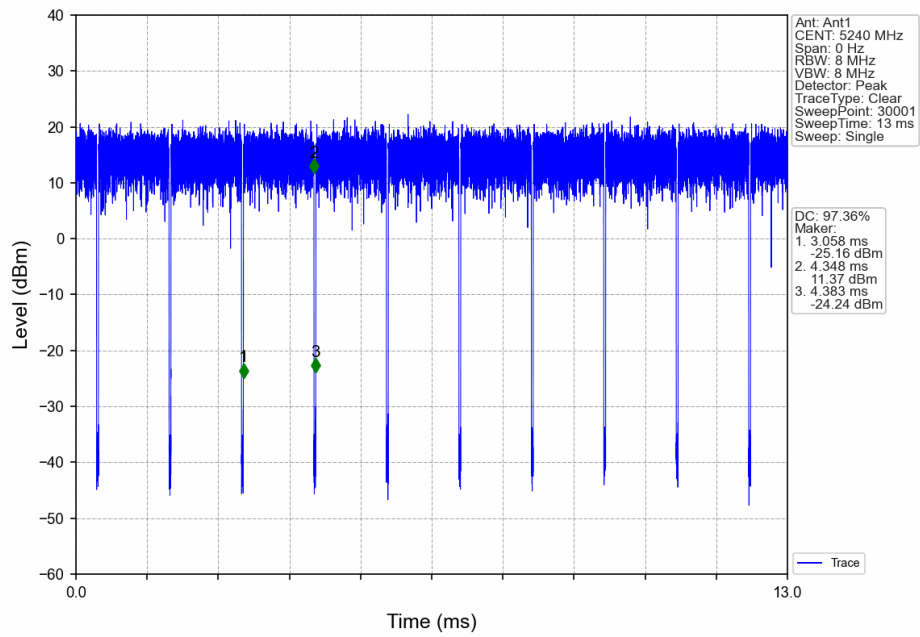
802.11n(HT20) LCH 5180MHz Ant1 NTN



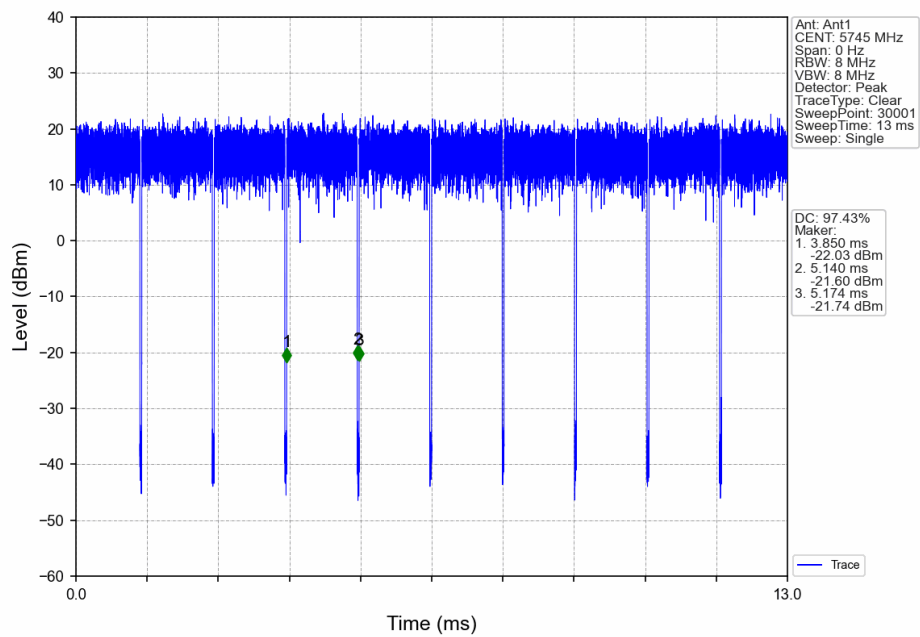
802.11n(HT20) MCH 5200MHz Ant1 NTN



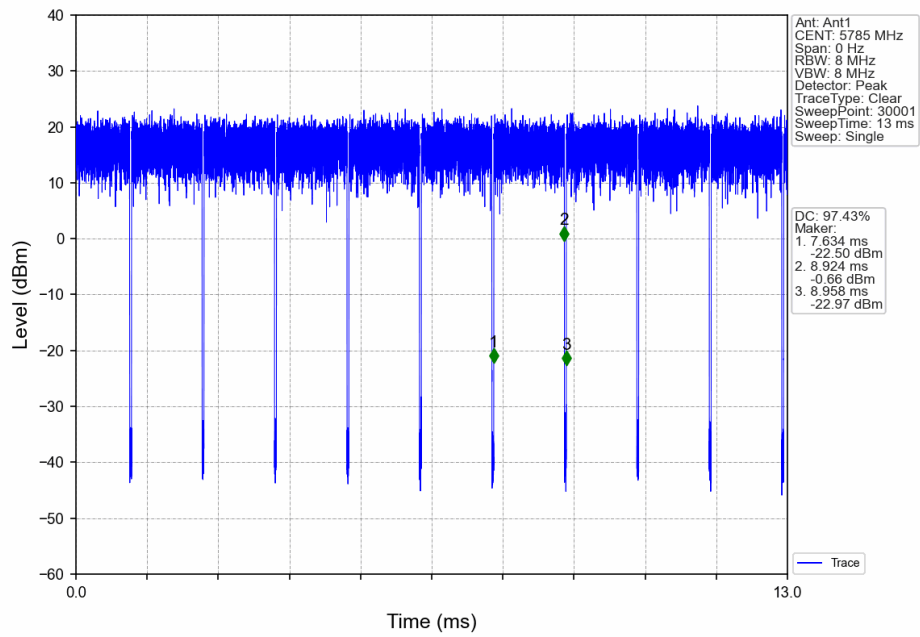
802.11n(HT20) HCH 5240MHz Ant1 NTN



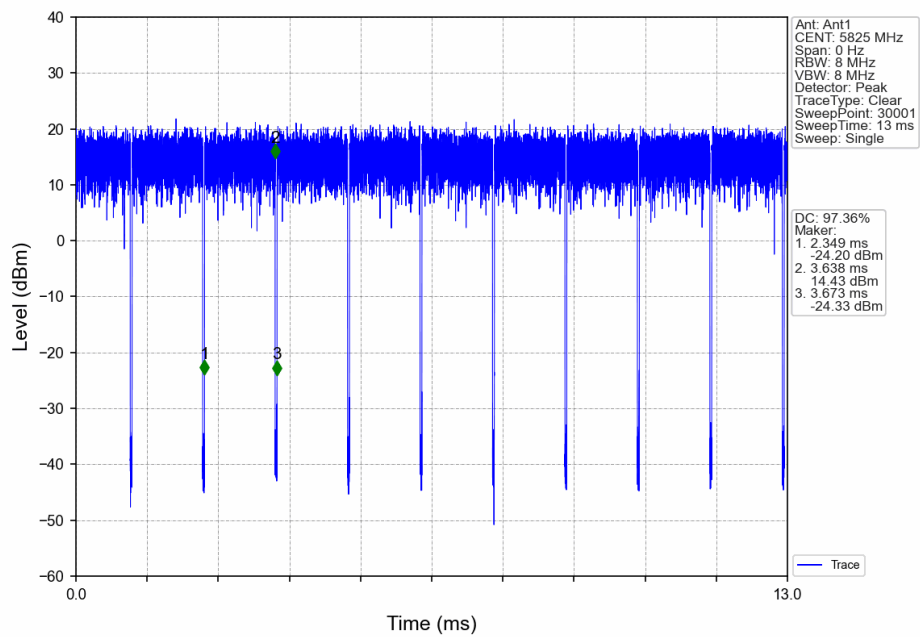
802.11n(HT20) LCH 5745MHz Ant1 NTN



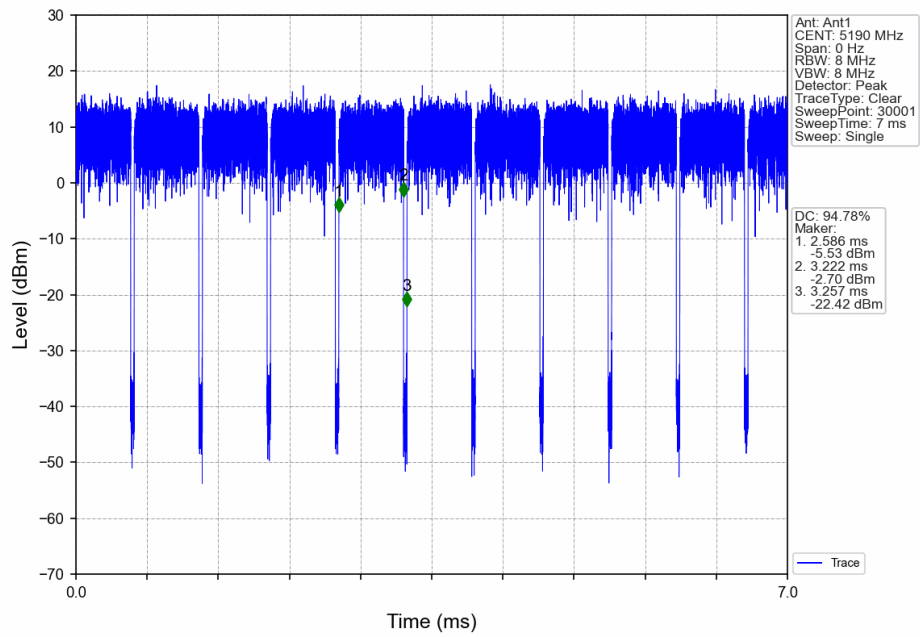
802.11n(HT20) MCH 5785MHz Ant1 NTN



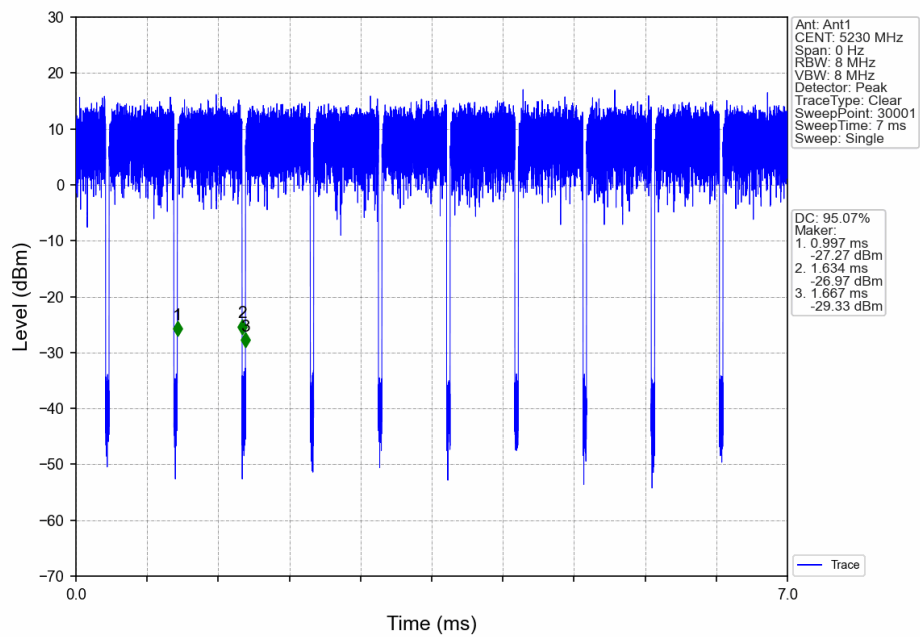
802.11n(HT20) HCH 5825MHz Ant1 NTN



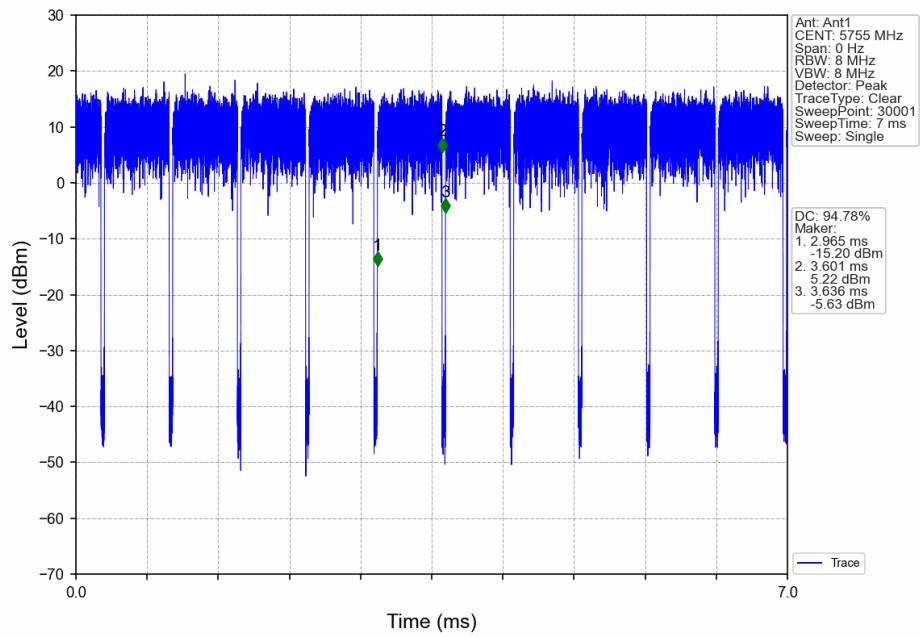
802.11n(HT40) LCH 5190MHz Ant1 NTNV



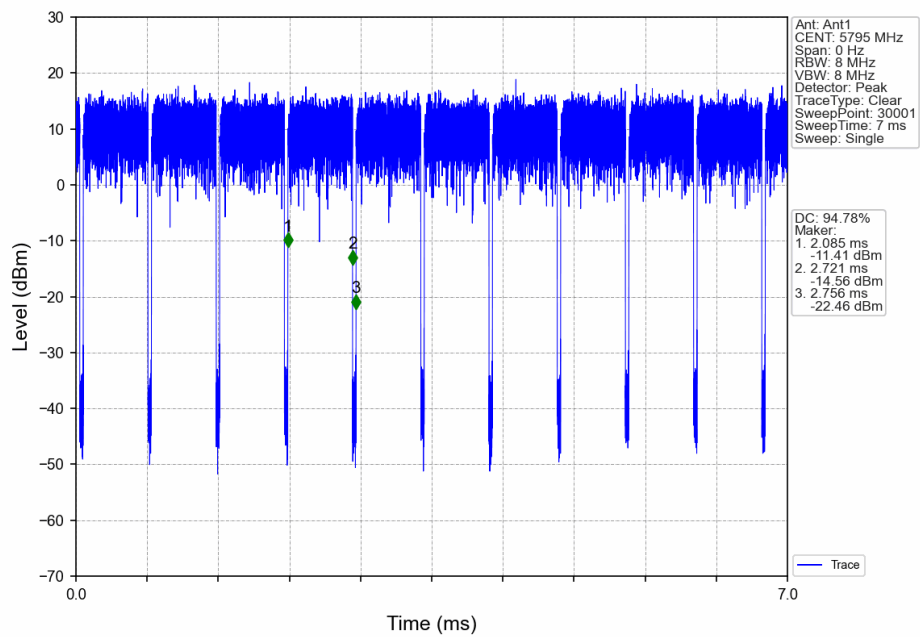
802.11n(HT40) HCH 5230MHz Ant1 NTNV



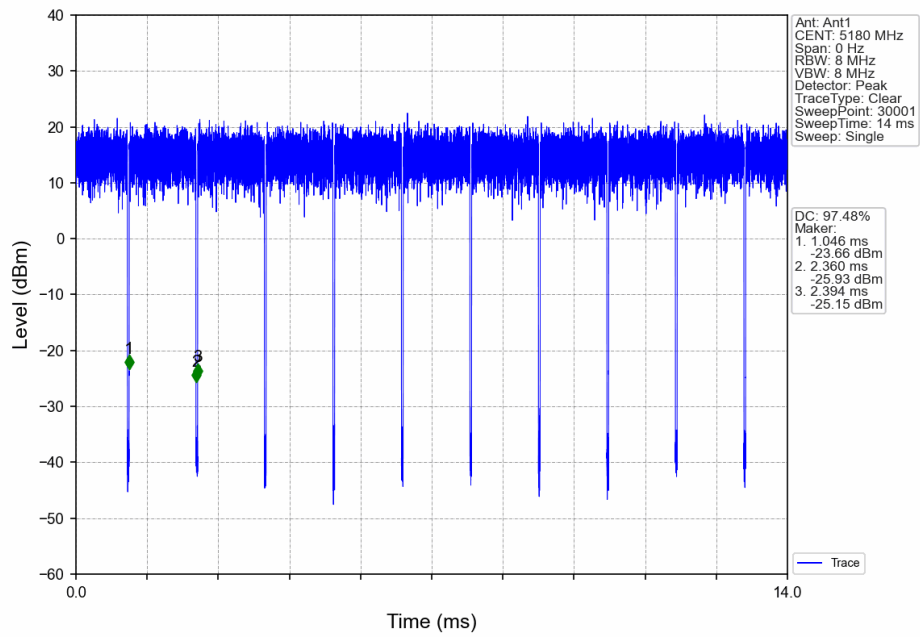
802.11n(HT40) LCH 5755MHz Ant1 NTN



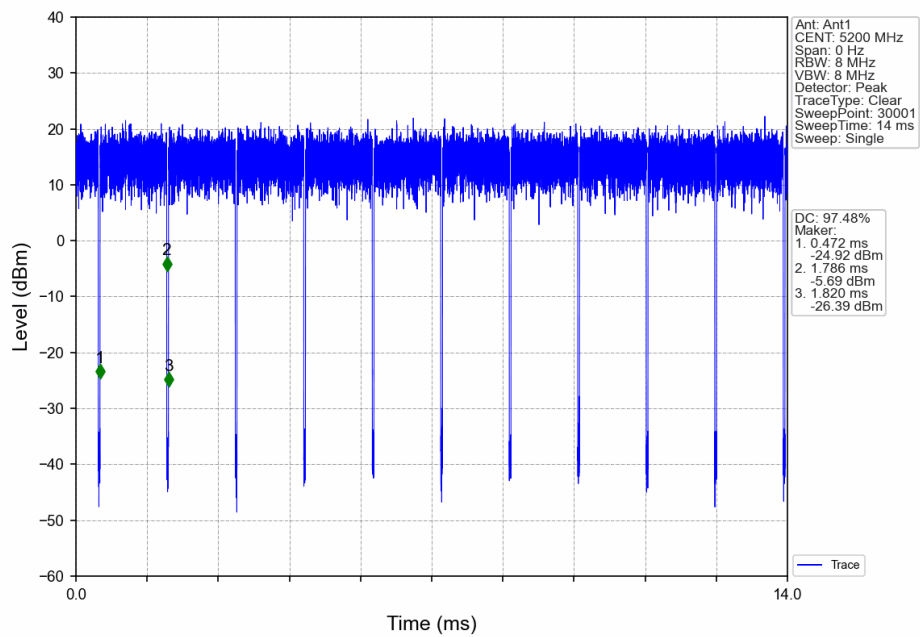
802.11n(HT40) HCH 5795MHz Ant1 NTN



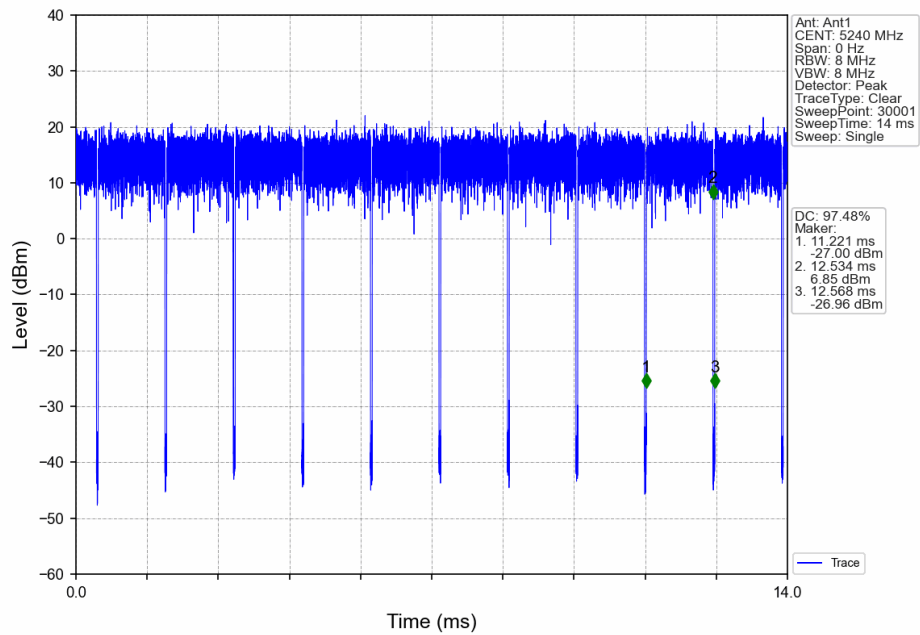
802.11ac(VHT20) LCH 5180MHz Ant1 NTNV



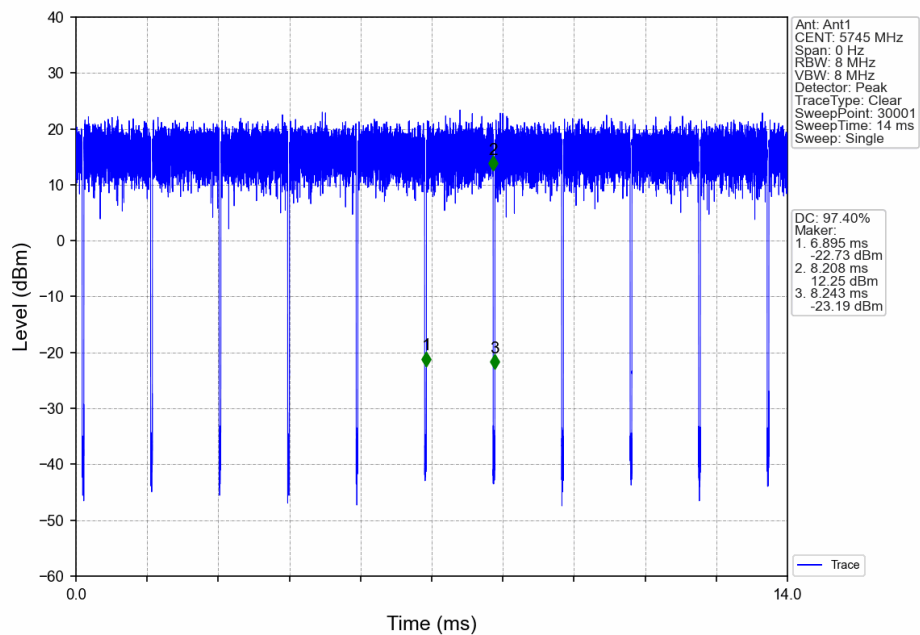
802.11ac(VHT20) MCH 5200MHz Ant1 NTNV



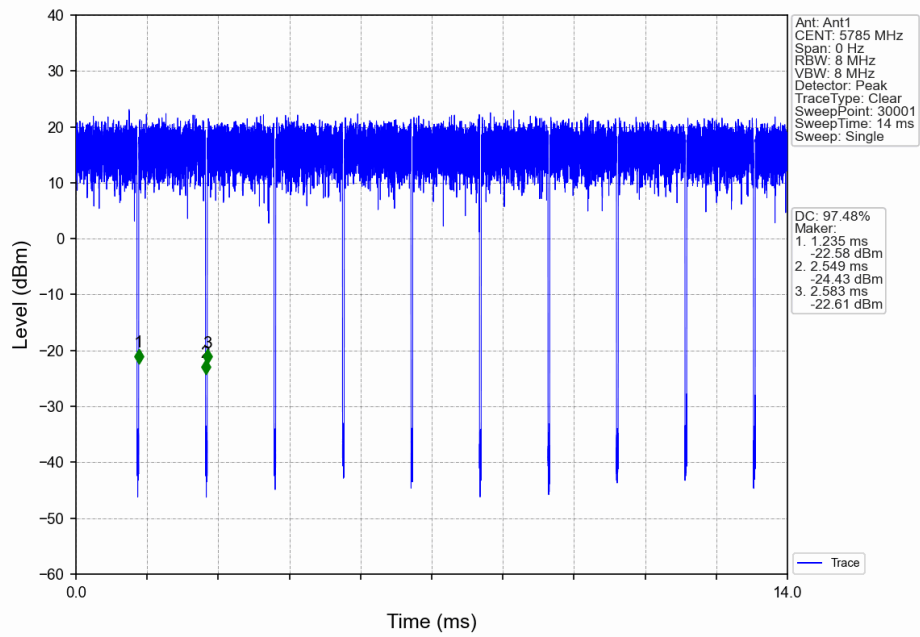
802.11ac(VHT20) HCH 5240MHz Ant1 NTNV



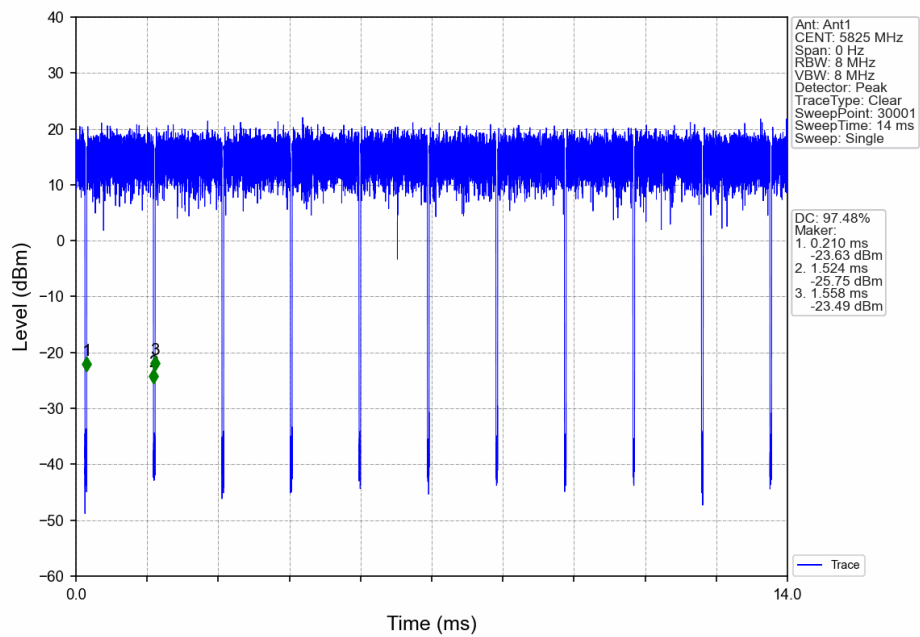
802.11ac(VHT20) LCH 5745MHz Ant1 NTNV



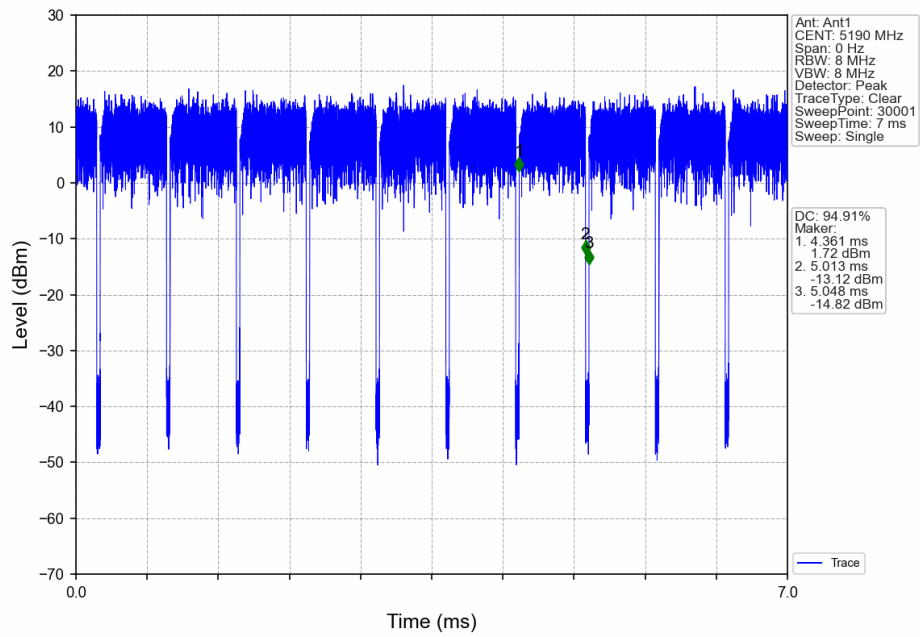
802.11ac(VHT20) MCH 5785MHz Ant1 NTNV



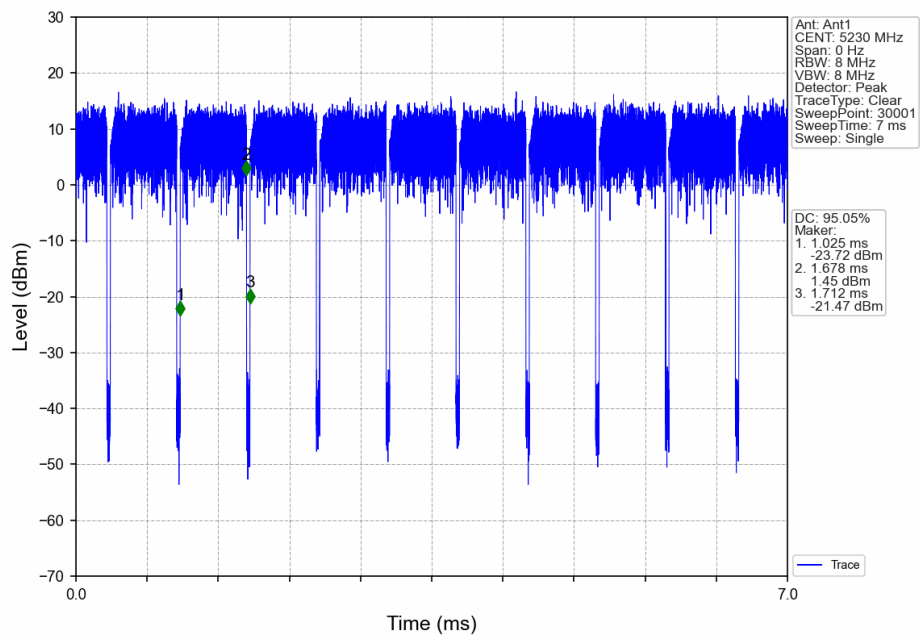
802.11ac(VHT20) HCH 5825MHz Ant1 NTNV



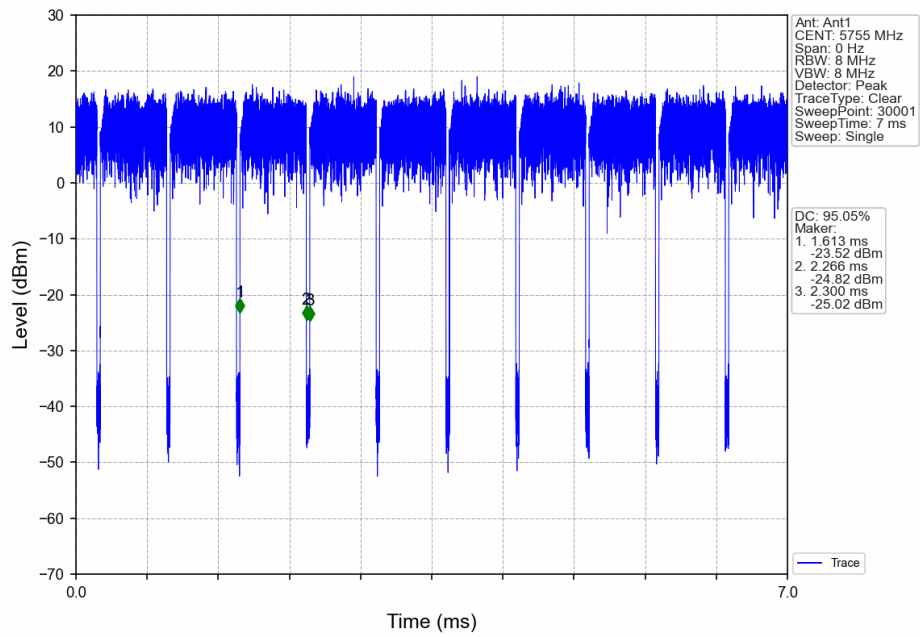
802.11ac(VHT40) LCH 5190MHz Ant1 NTNV



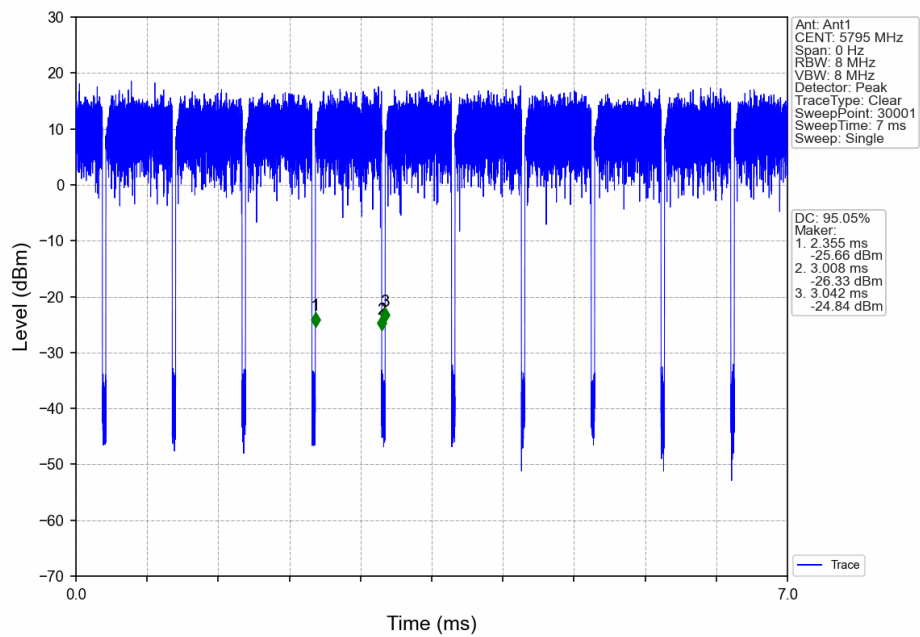
802.11ac(VHT40) HCH 5230MHz Ant1 NTNV



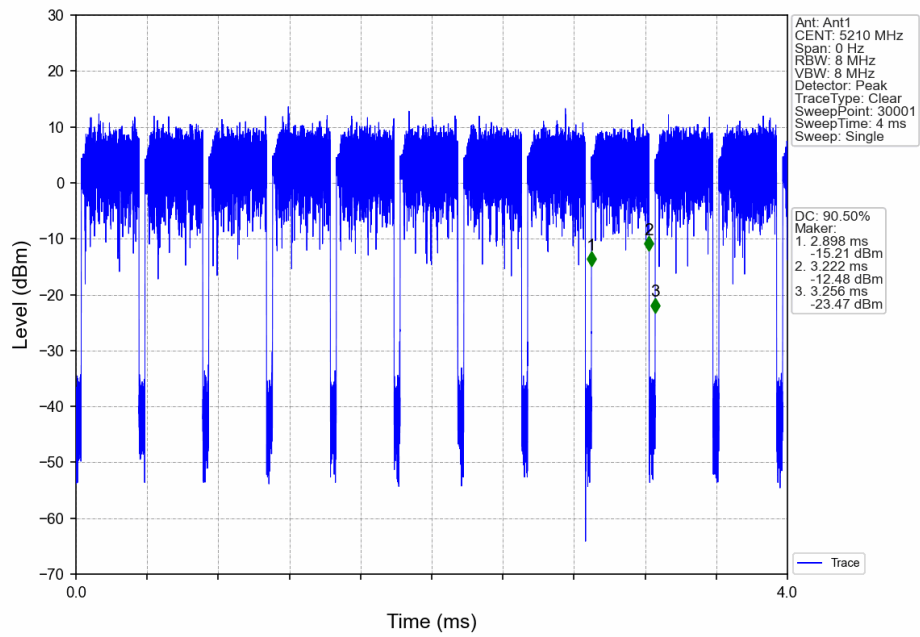
802.11ac(VHT40) LCH 5755MHz Ant1 NTVN



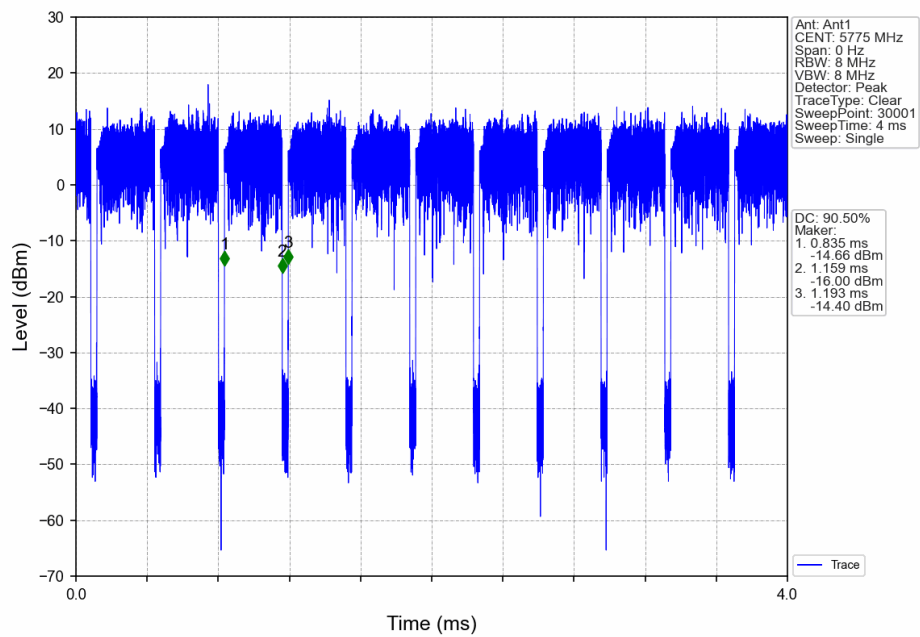
802.11ac(VHT40) HCH 5795MHz Ant1 NTVN



802.11ac(VHT80) MCH 5210MHz Ant1 NTN



802.11ac(VHT80) MCH 5775MHz Ant1 NTN



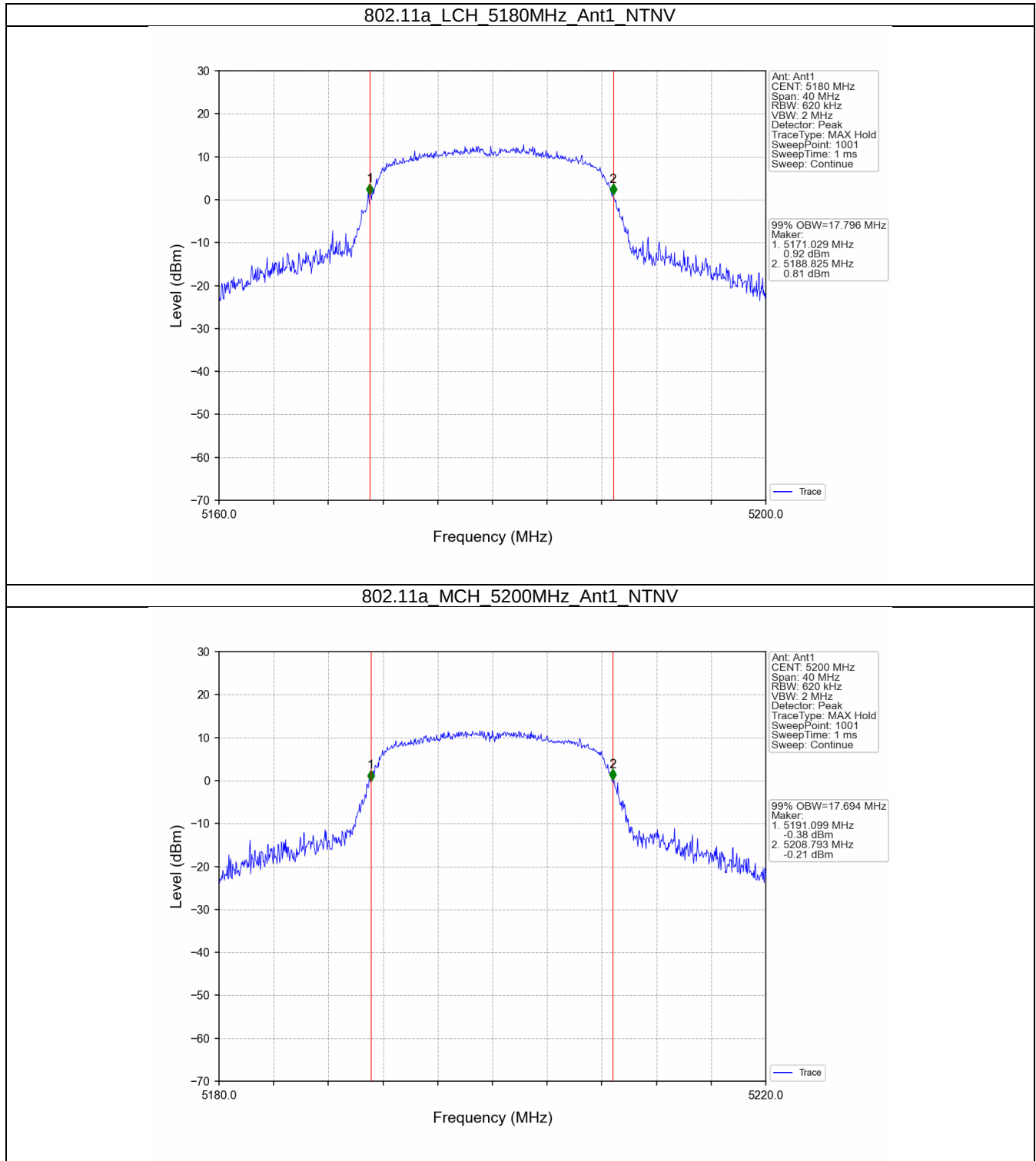
2. Bandwidth

2.1 OBW

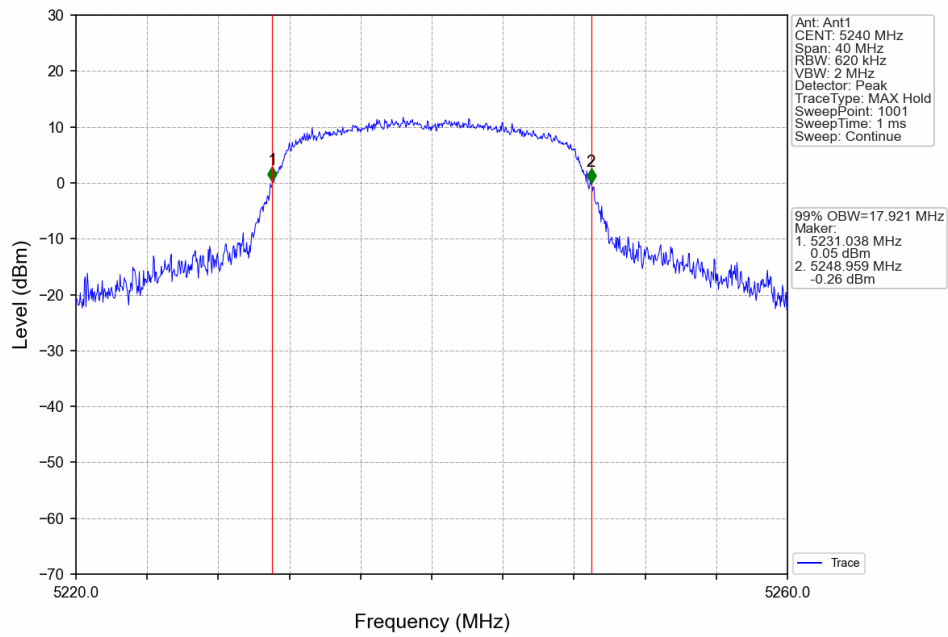
2.1.1 Test Result

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

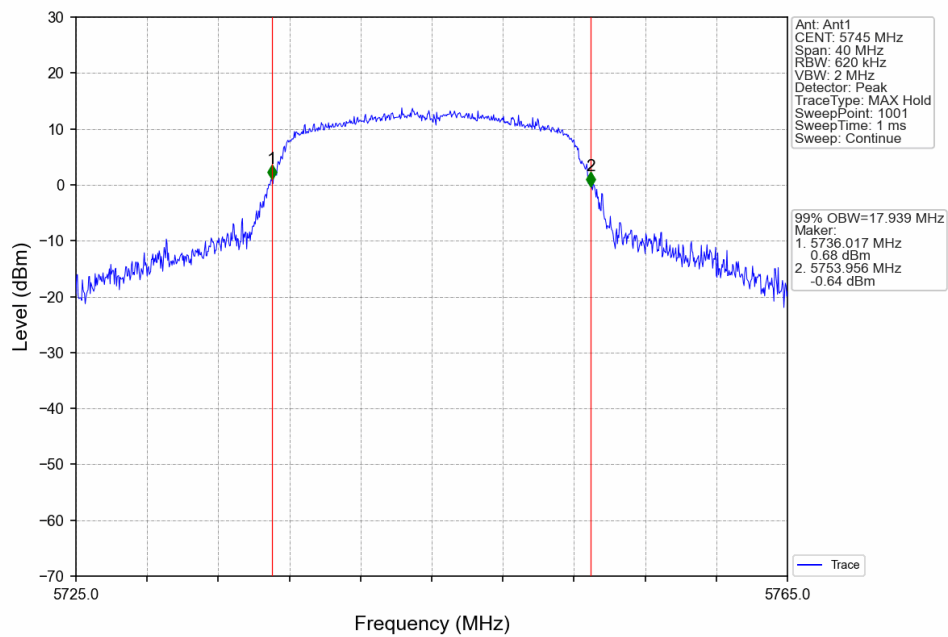
2.1.2 Test Graph



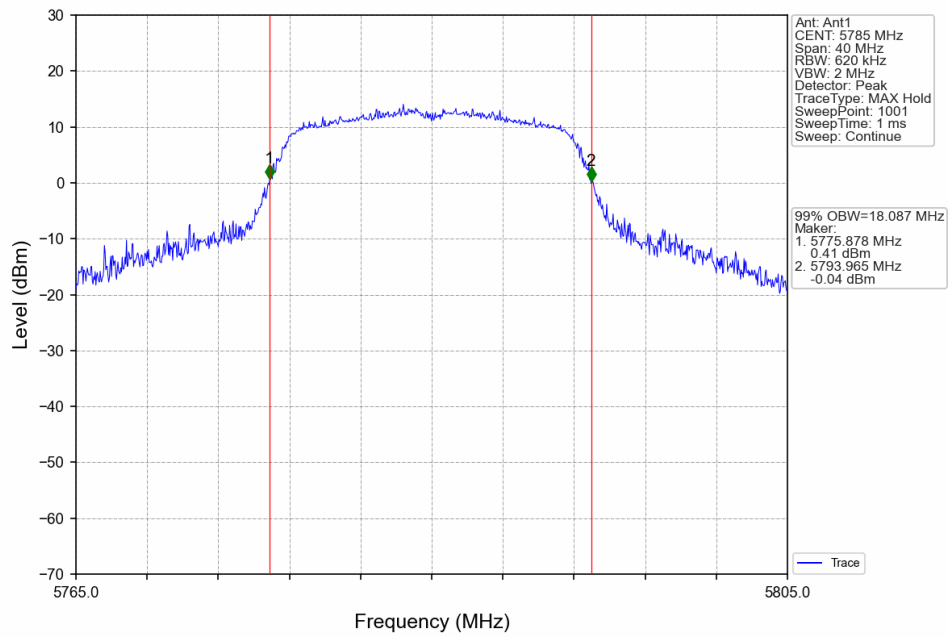
802.11a HCH 5240MHz Ant1 NTNV



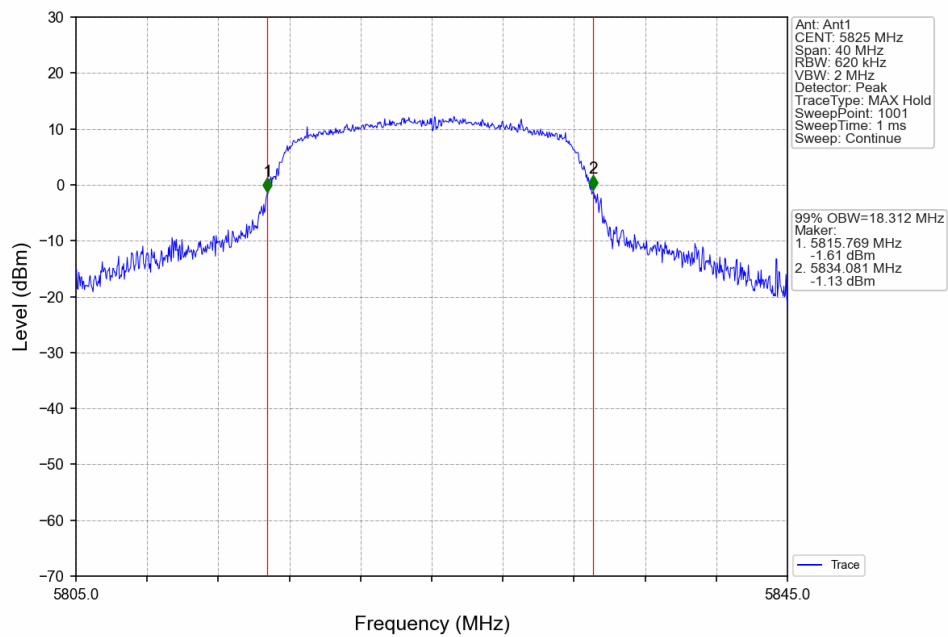
802.11a LCH 5745MHz Ant1 NTNV



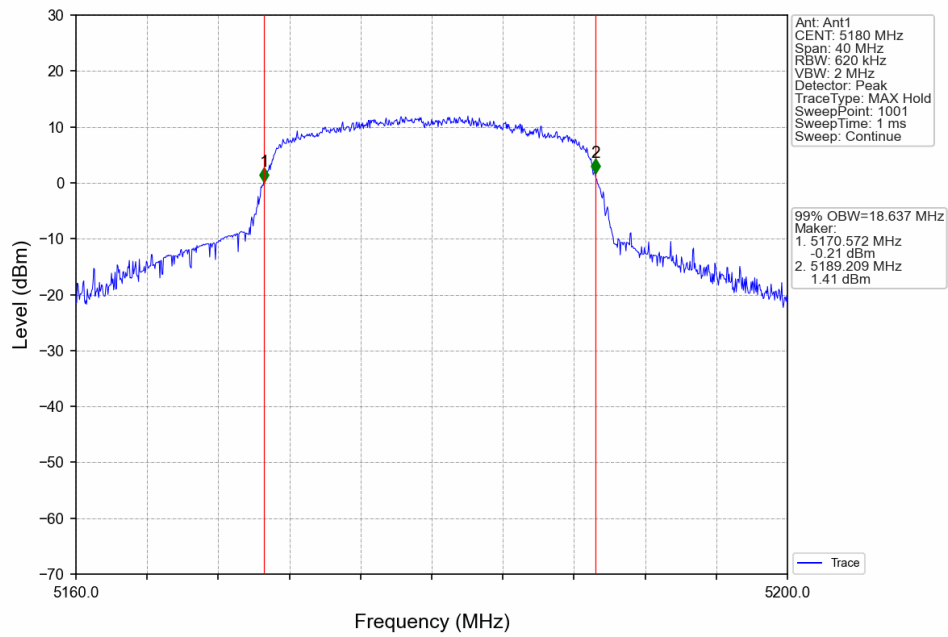
802.11a MCH 5785MHz Ant1 NTVN



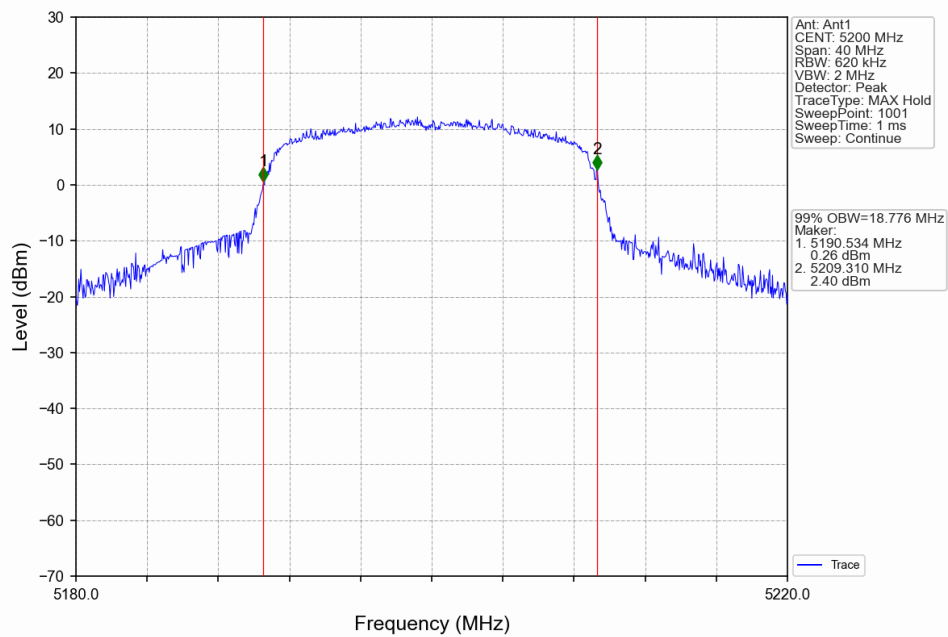
802.11a HCH 5825MHz Ant1 NTVN



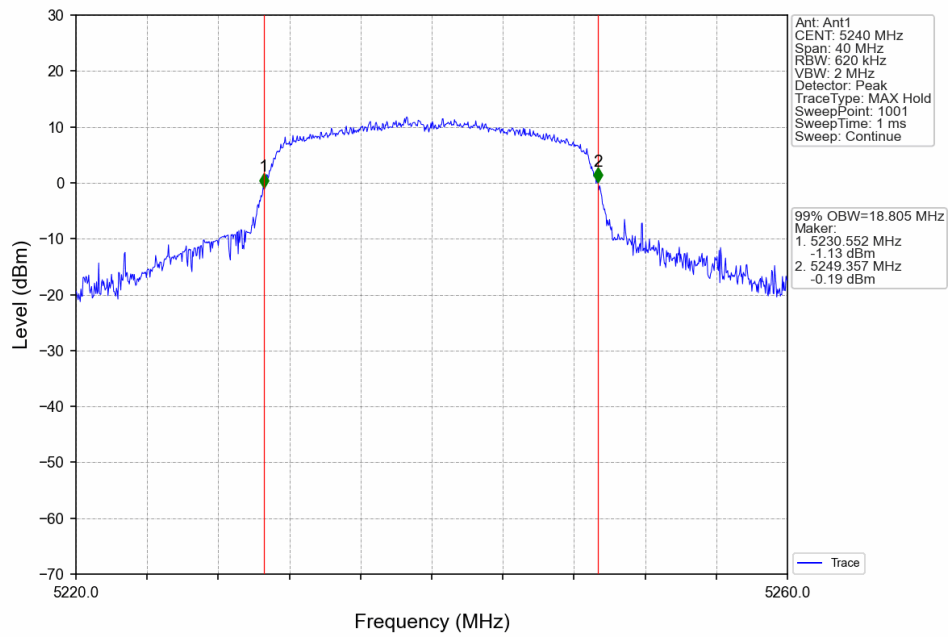
802.11n(HT20) LCH 5180MHz Ant1 NTN



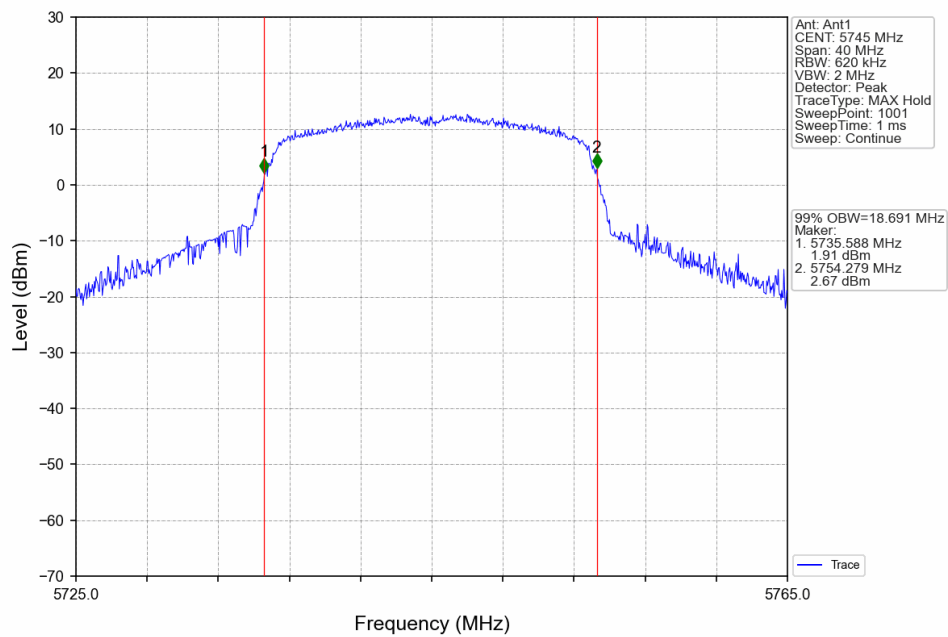
802.11n(HT20) MCH 5200MHz Ant1 NTN



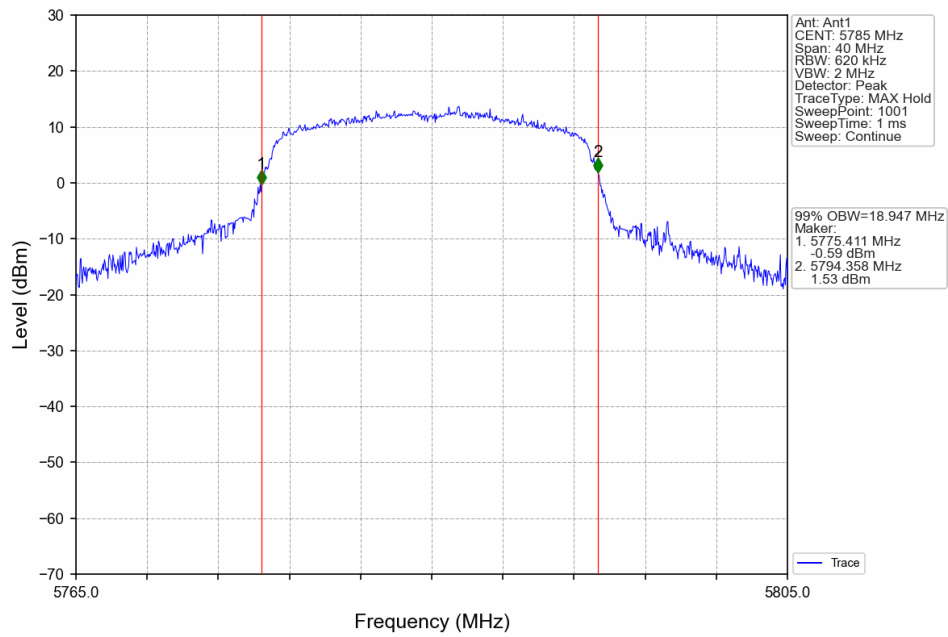
802.11n(HT20) HCH 5240MHz Ant1 NTV



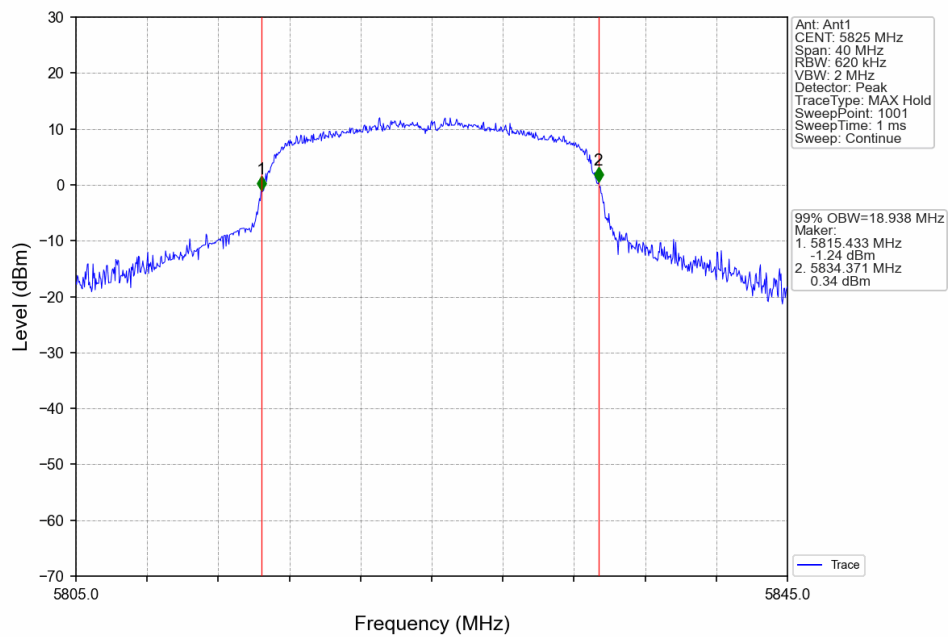
802.11n(HT20) LCH 5745MHz Ant1 NTV



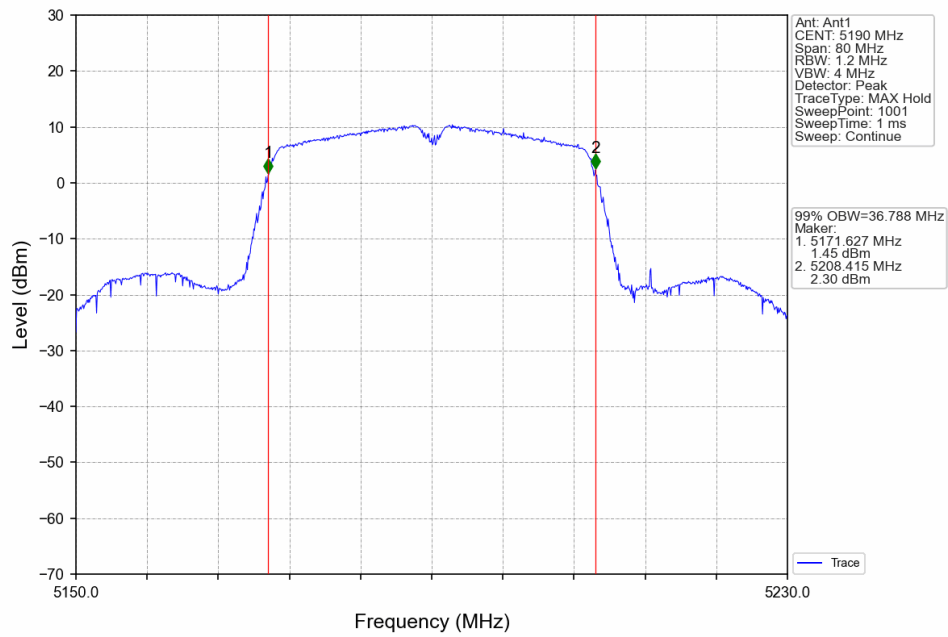
802.11n(HT20) MCH 5785MHz Ant1 NTN



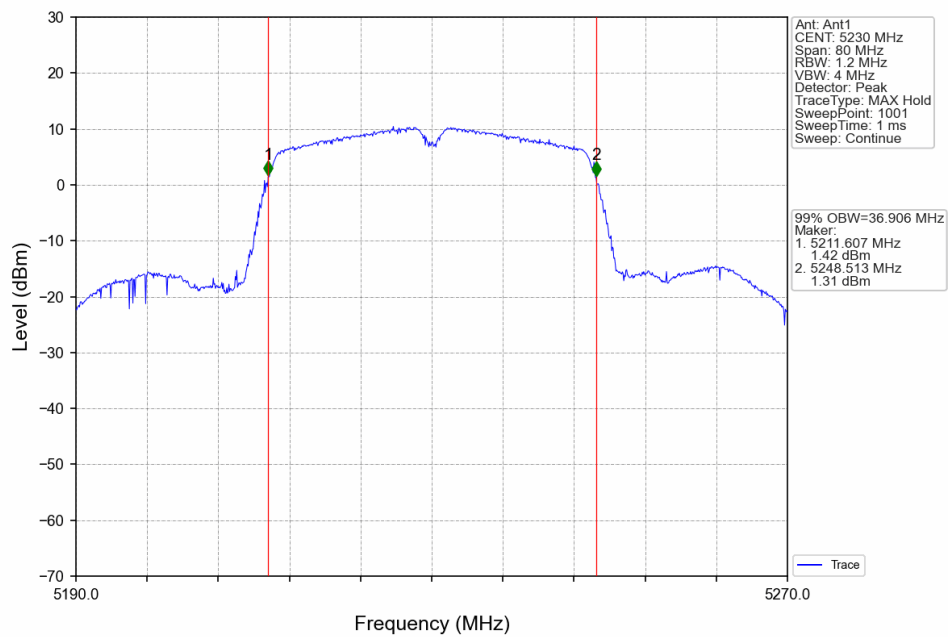
802.11n(HT20) HCH 5825MHz Ant1 NTN



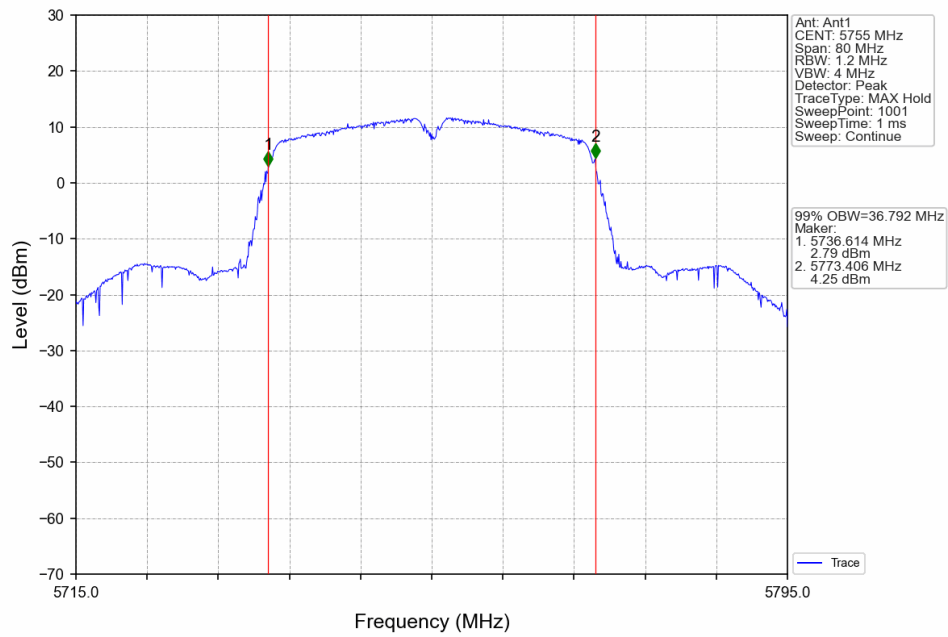
802.11n(HT40) LCH 5190MHz Ant1 NTVN



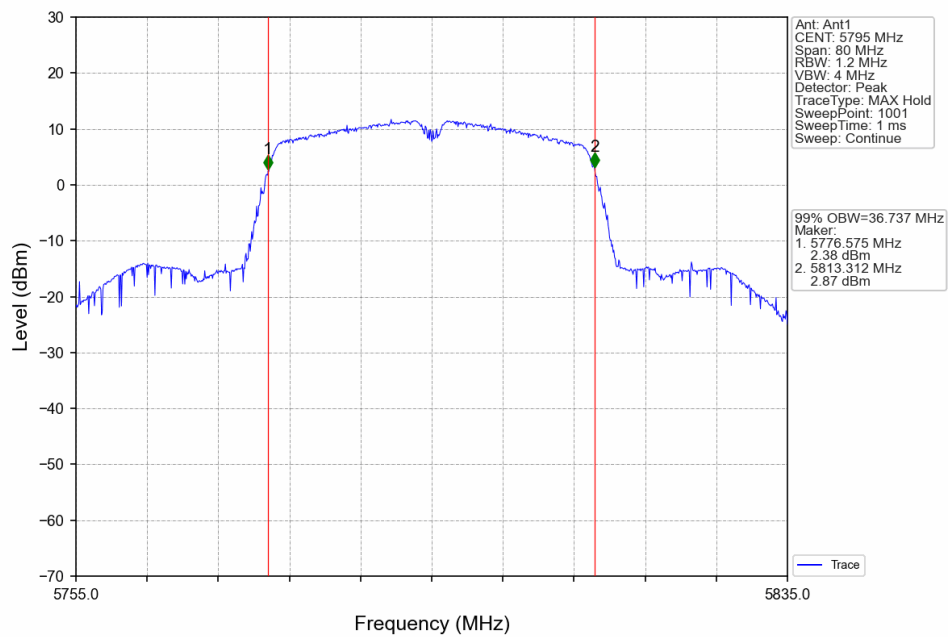
802.11n(HT40) HCH 5230MHz Ant1 NTVN



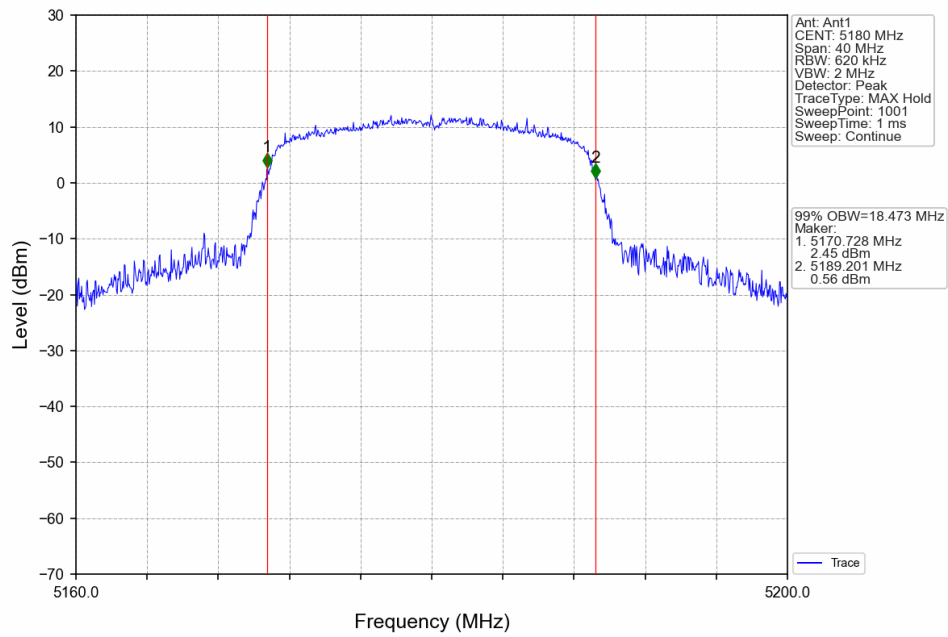
802.11n(HT40) LCH 5755MHz Ant1 NTN



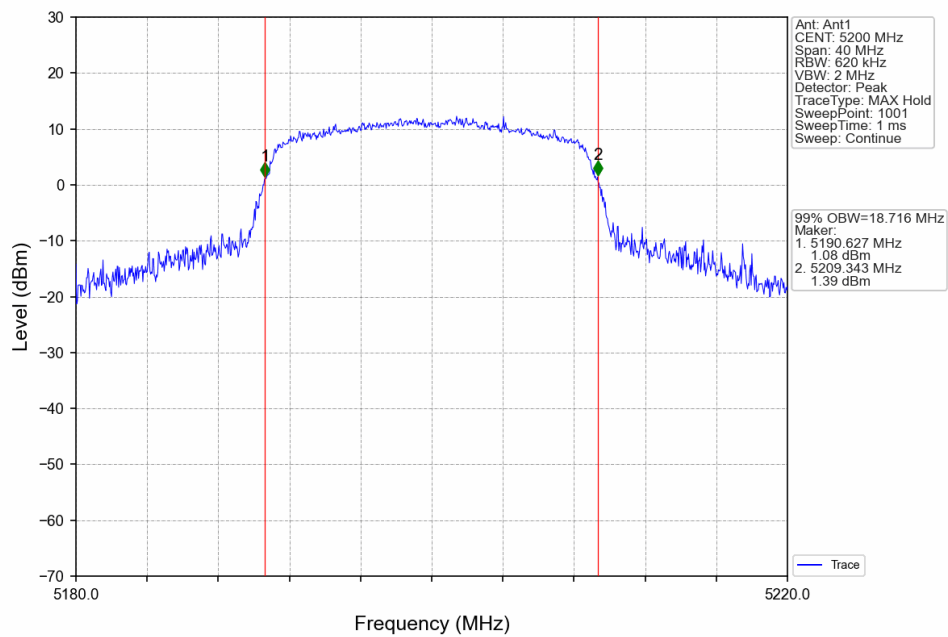
802.11n(HT40) HCH 5795MHz Ant1 NTN



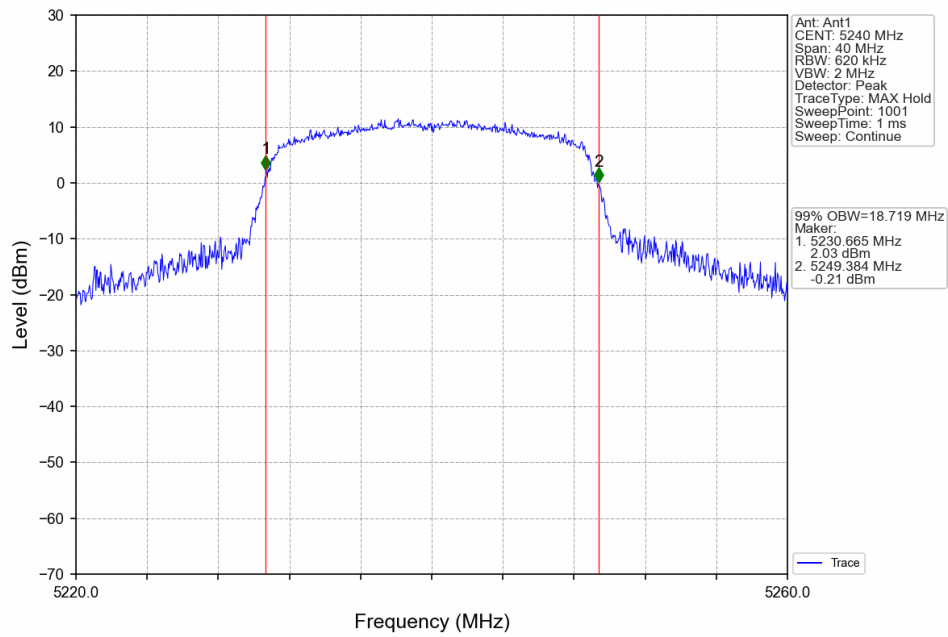
802.11ac(VHT20) LCH 5180MHz Ant1 NTN



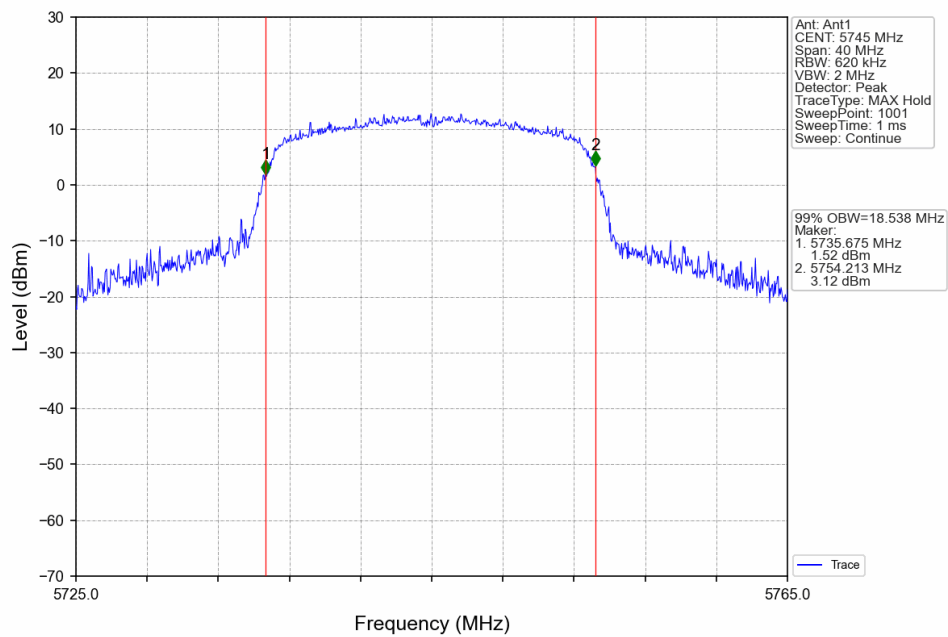
802.11ac(VHT20) MCH 5200MHz Ant1 NTN



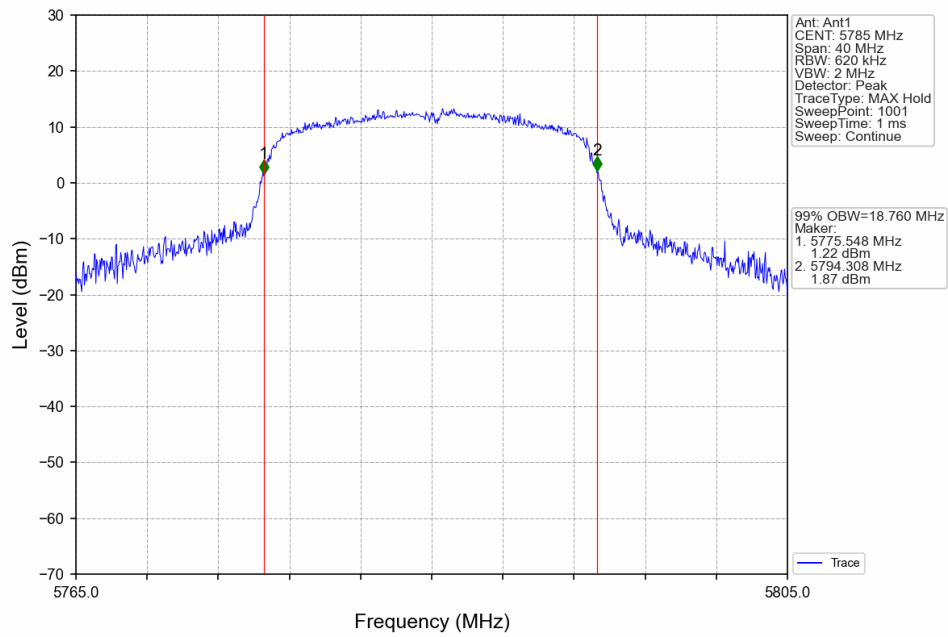
802.11ac(VHT20) HCH 5240MHz Ant1 NTN



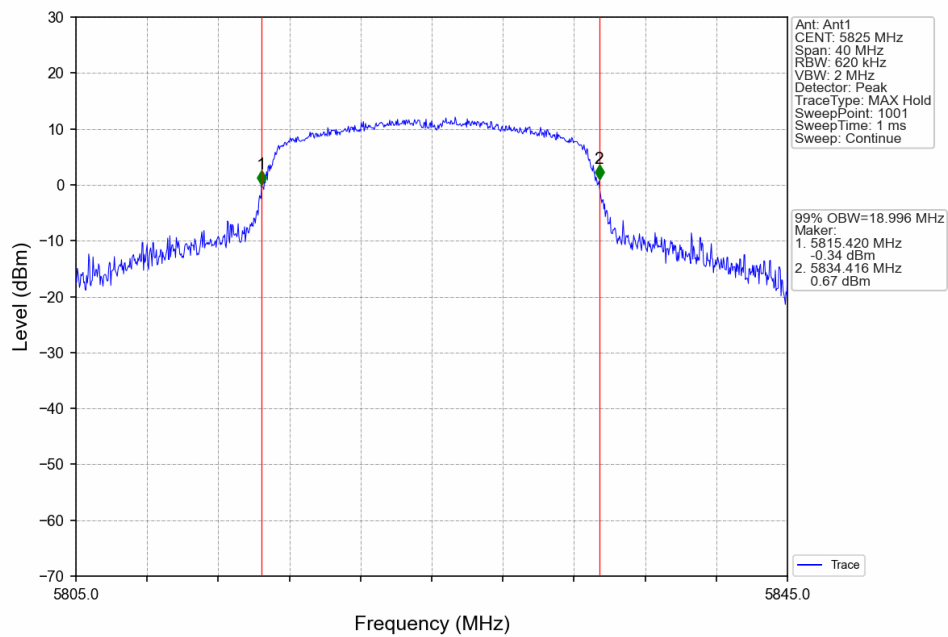
802.11ac(VHT20) LCH 5745MHz Ant1 NTN



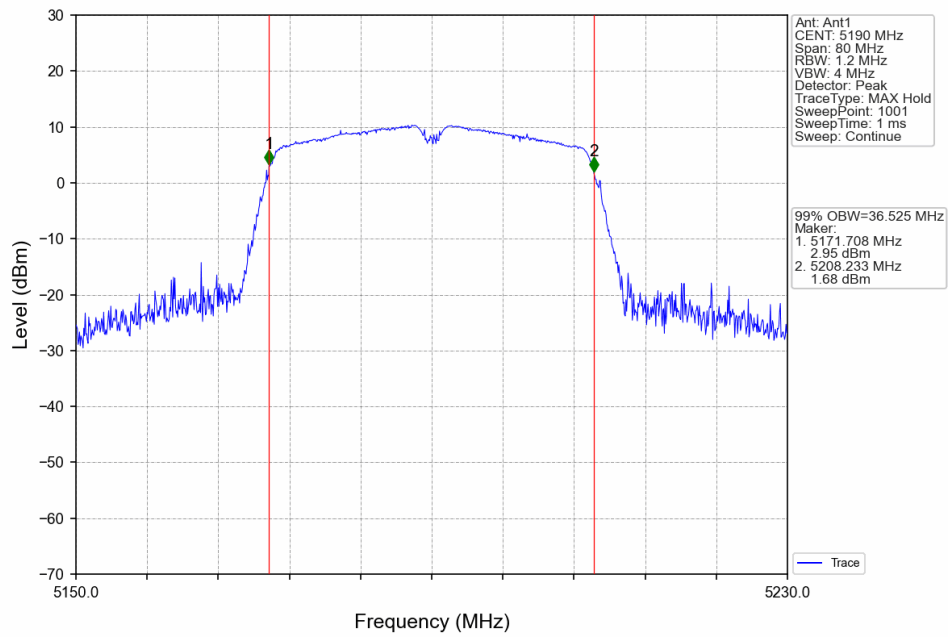
802.11ac(VHT20) MCH 5785MHz Ant1 NTN



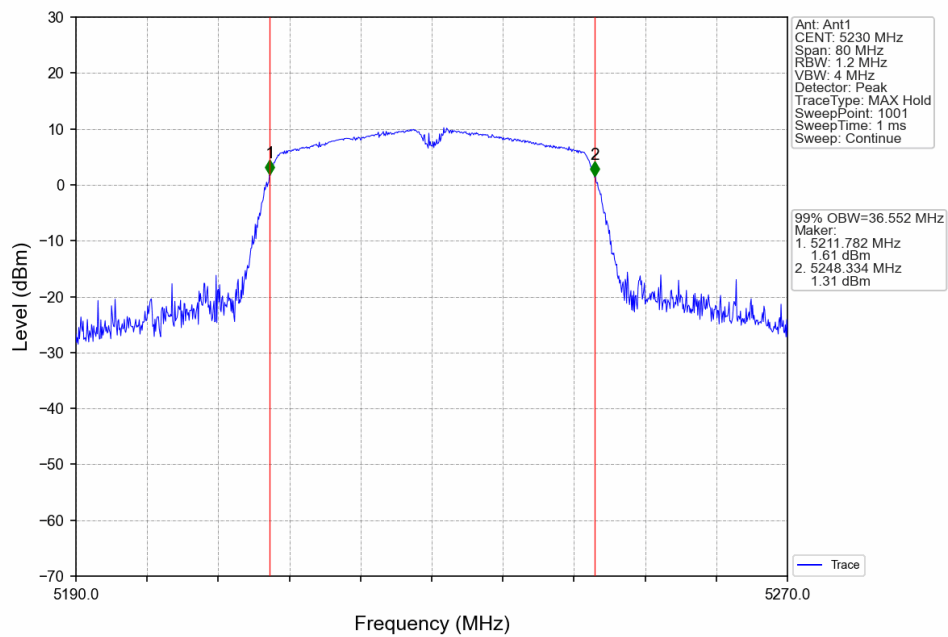
802.11ac(VHT20) HCH 5825MHz Ant1 NTN



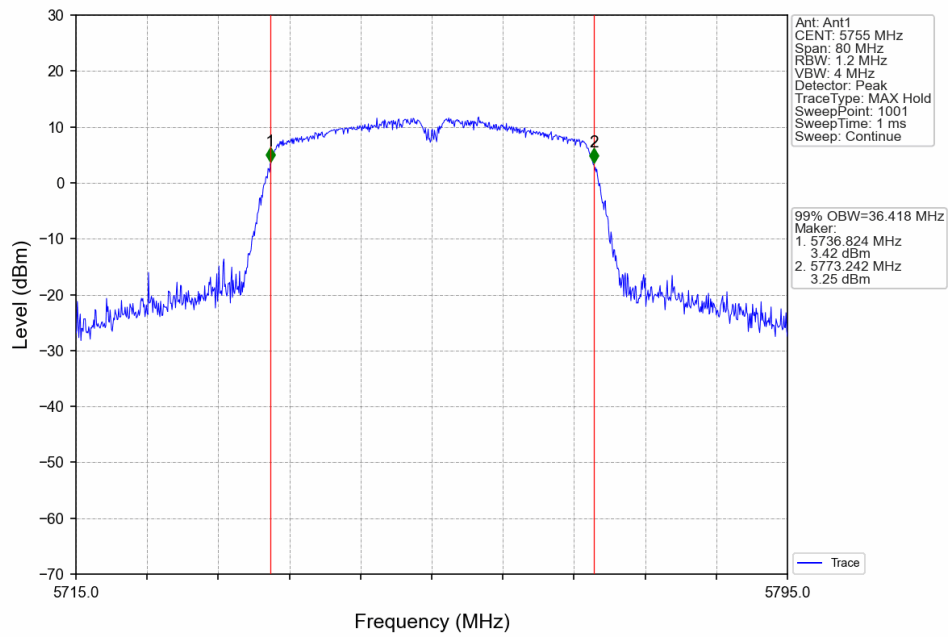
802.11ac(VHT40) LCH 5190MHz Ant1 NTN



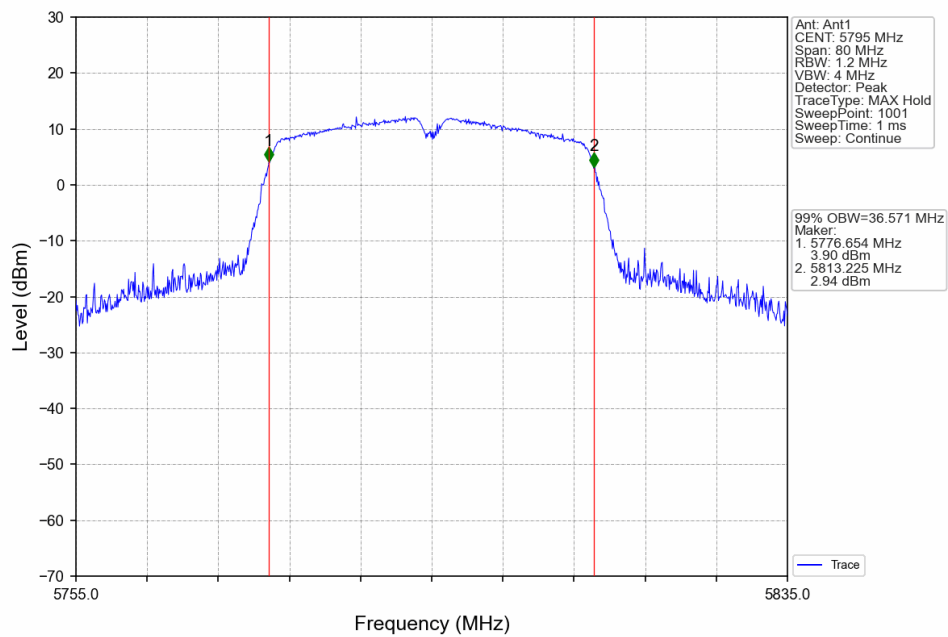
802.11ac(VHT40) HCH 5230MHz Ant1 NTN



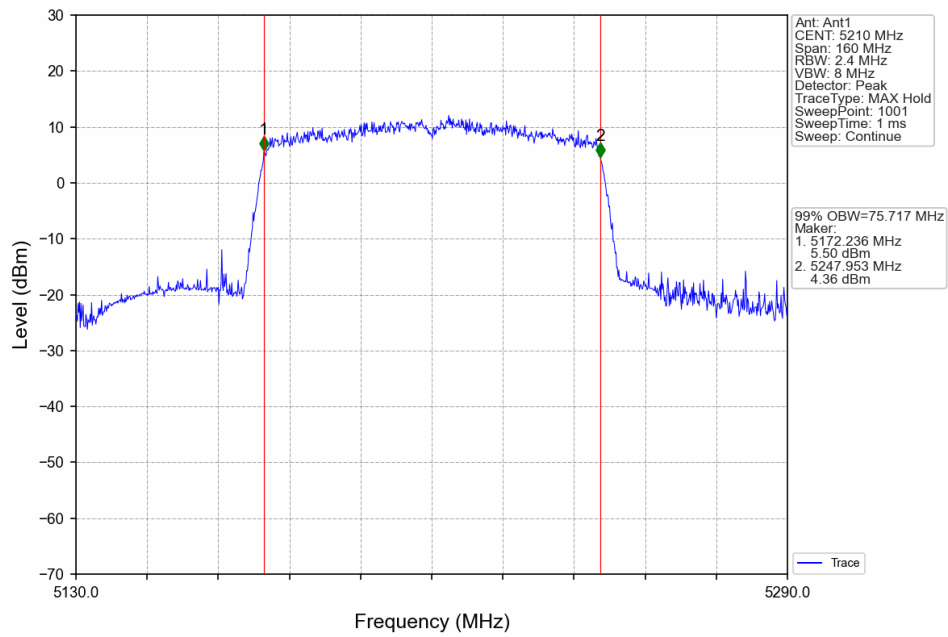
802.11ac(VHT40) LCH 5755MHz Ant1 NTN



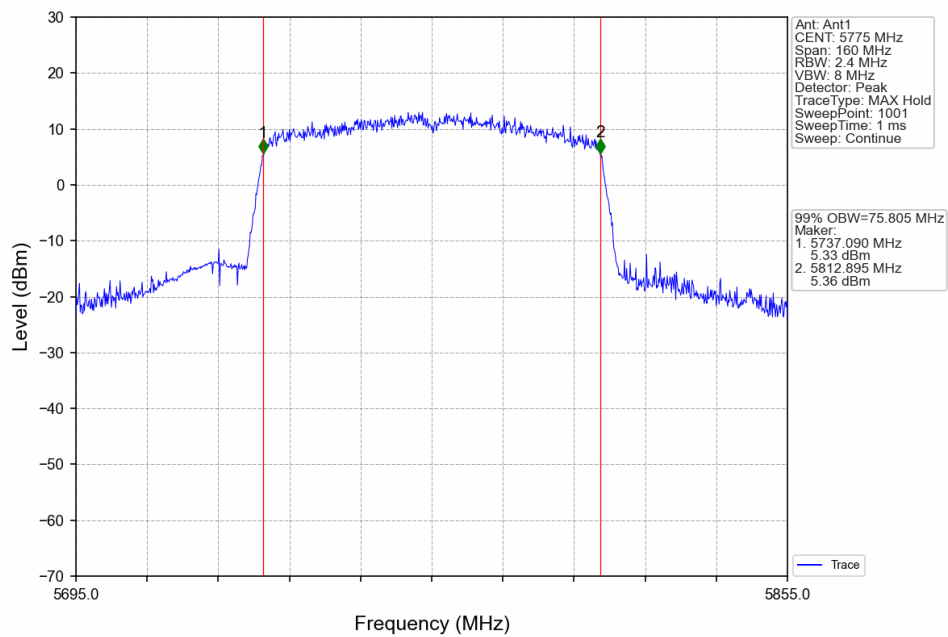
802.11ac(VHT40) HCH 5795MHz Ant1 NTN



802.11ac(VHT80) MCH 5210MHz Ant1 NTN



802.11ac(VHT80) MCH 5775MHz Ant1 NTN

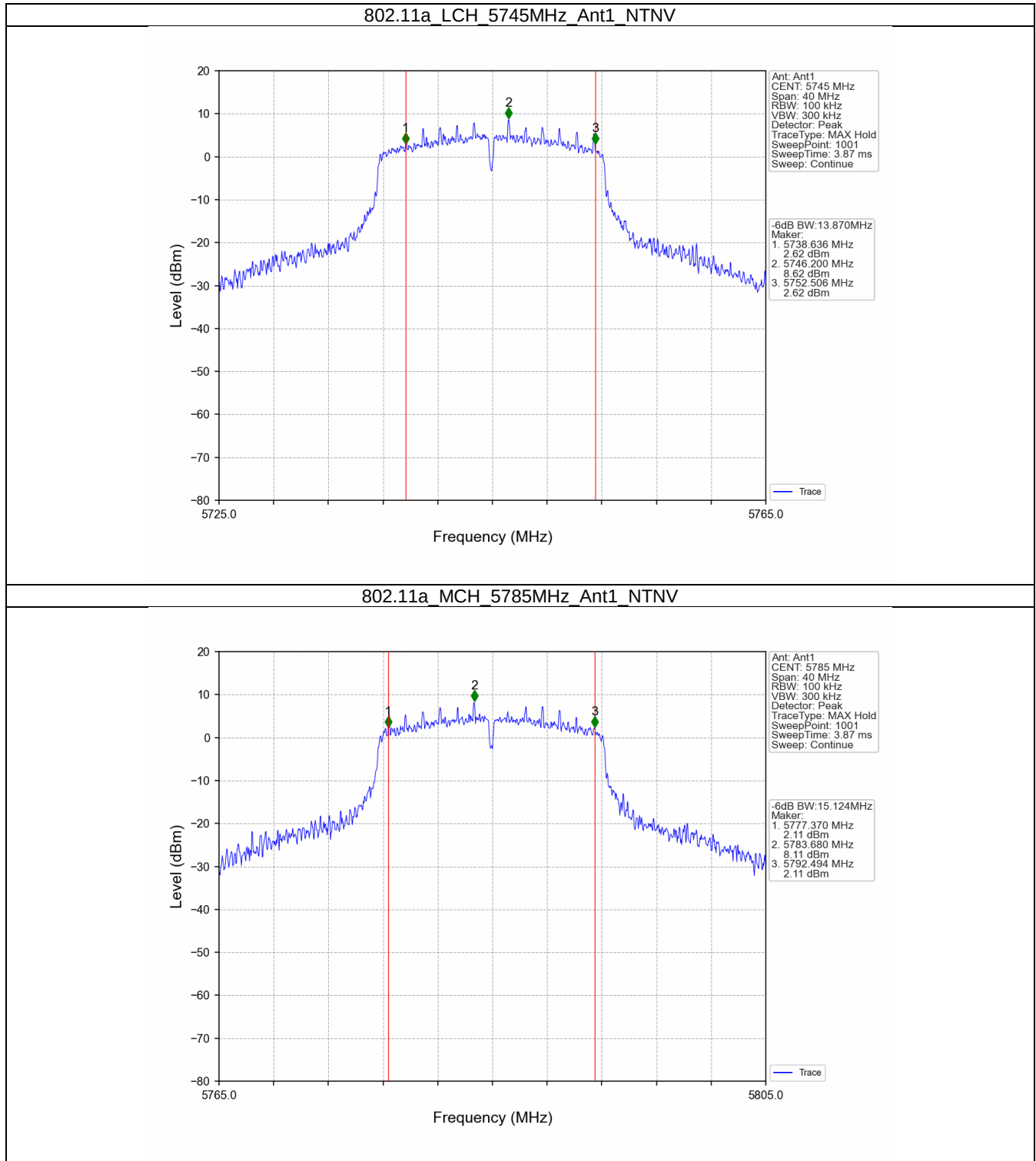


2.2 6dB BW

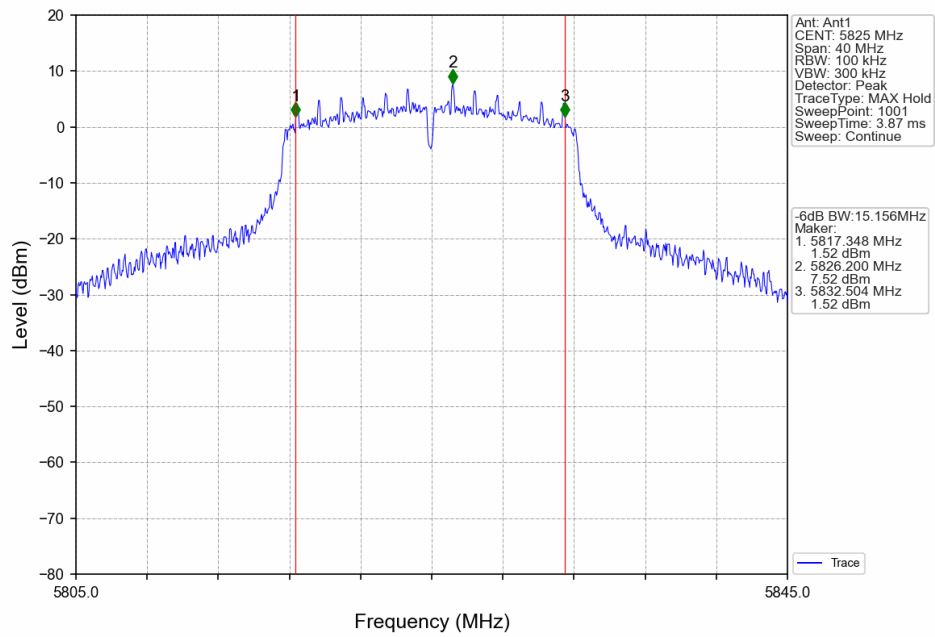
2.2.1 Test Result

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

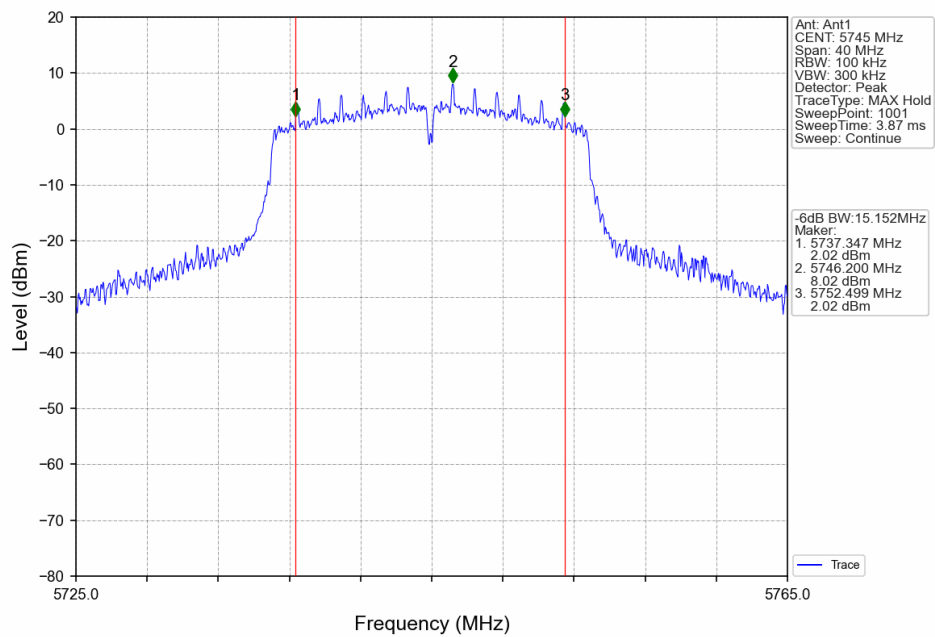
2.2.2 Test Graph



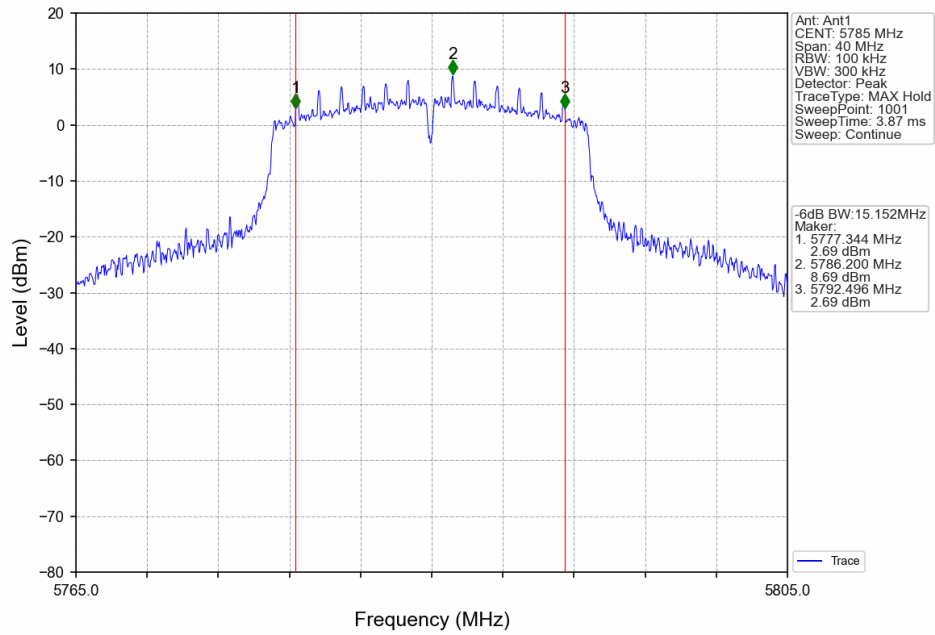
802.11a HCH 5825MHz Ant1 NTV



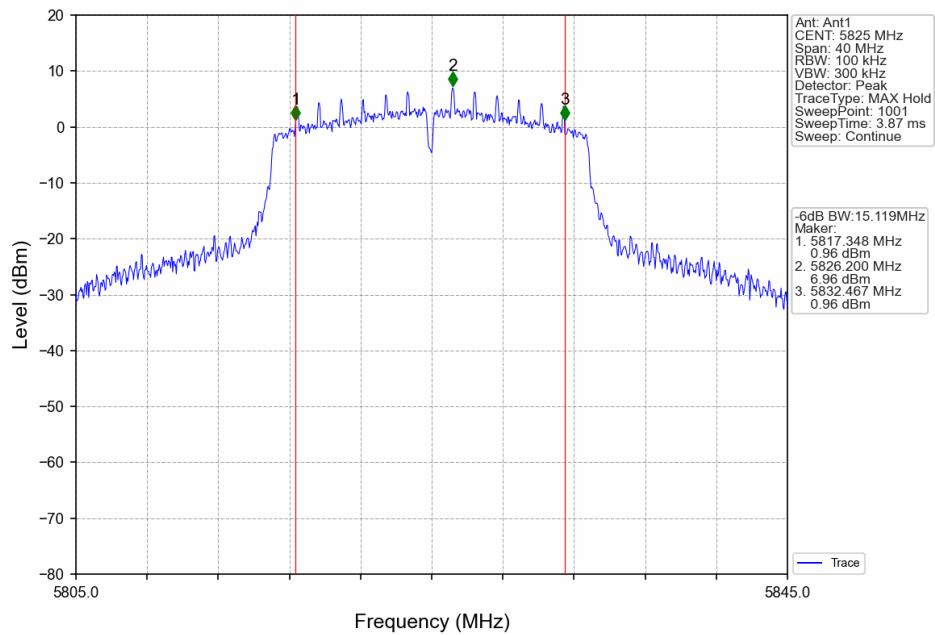
802.11n(HT20) LCH 5745MHz Ant1 NTV



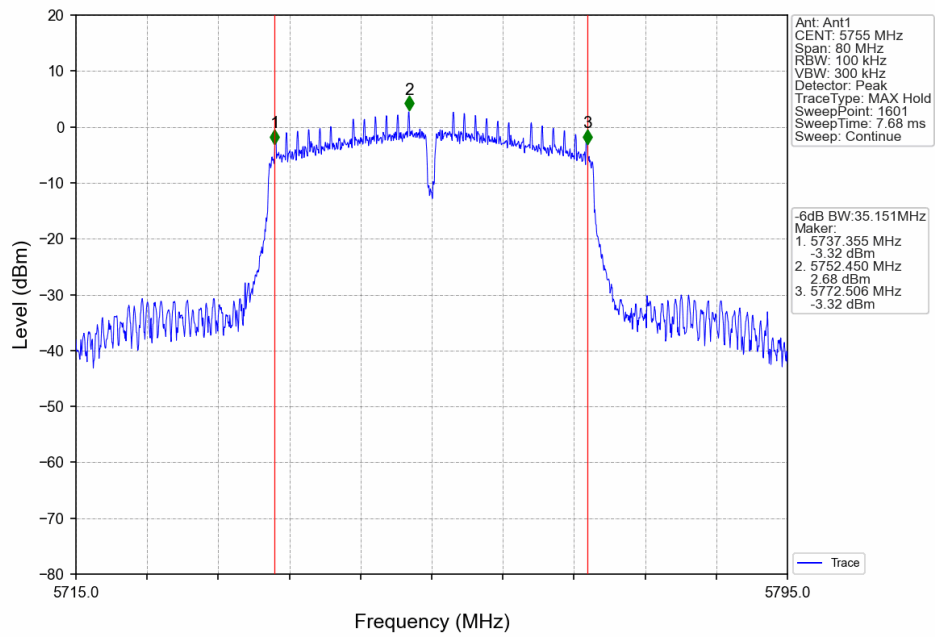
802.11n(HT20) MCH 5785MHz Ant1 NTVN



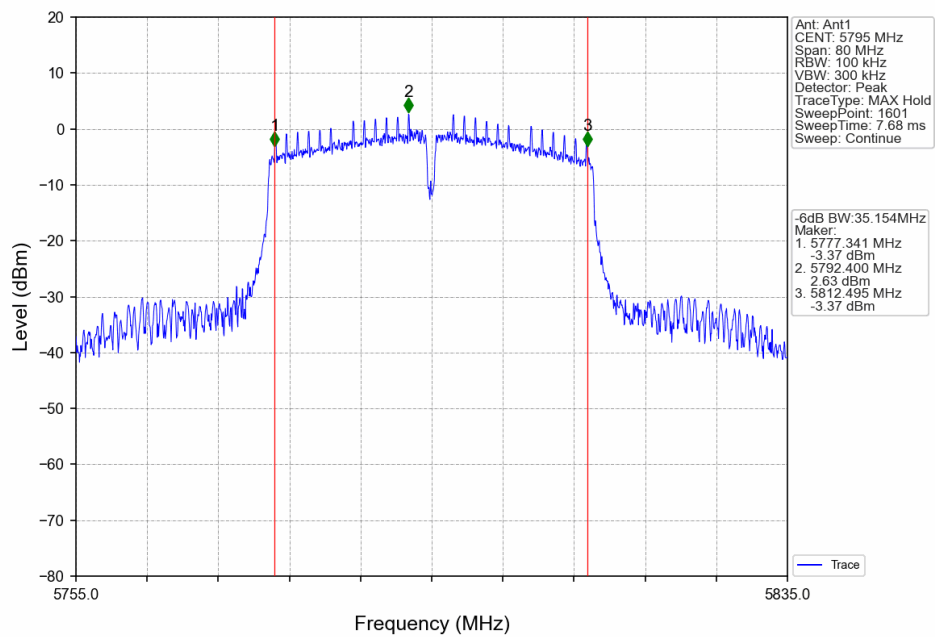
802.11n(HT20) HCH 5825MHz Ant1 NTVN



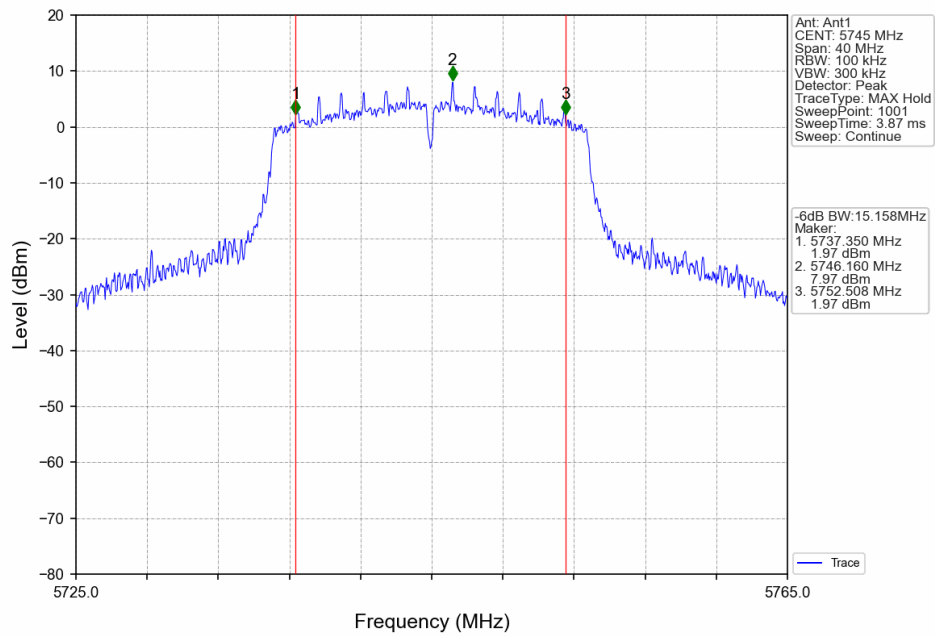
802.11n(HT40) LCH 5755MHz Ant1 NTN



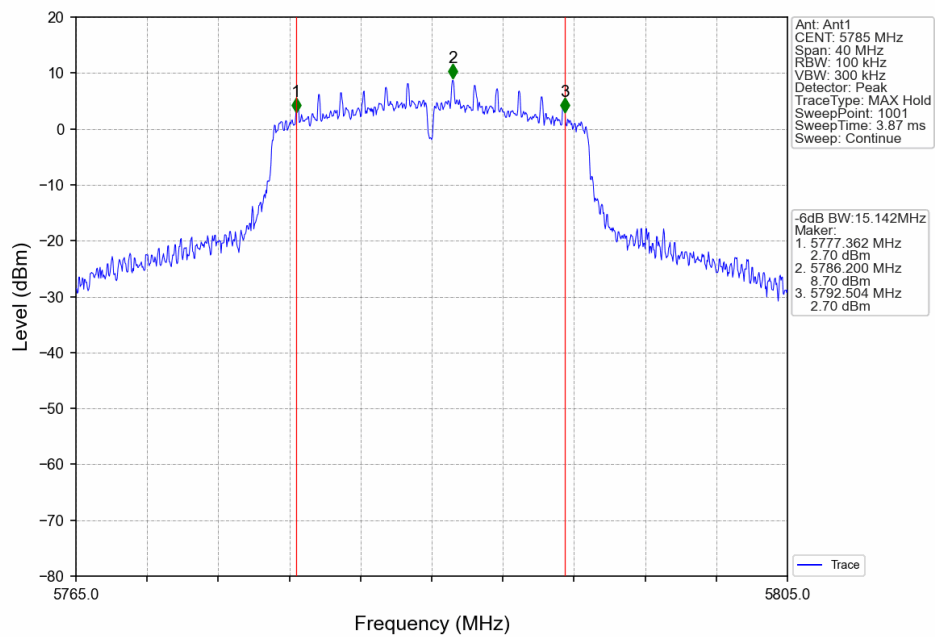
802.11n(HT40) HCH 5795MHz Ant1 NTN



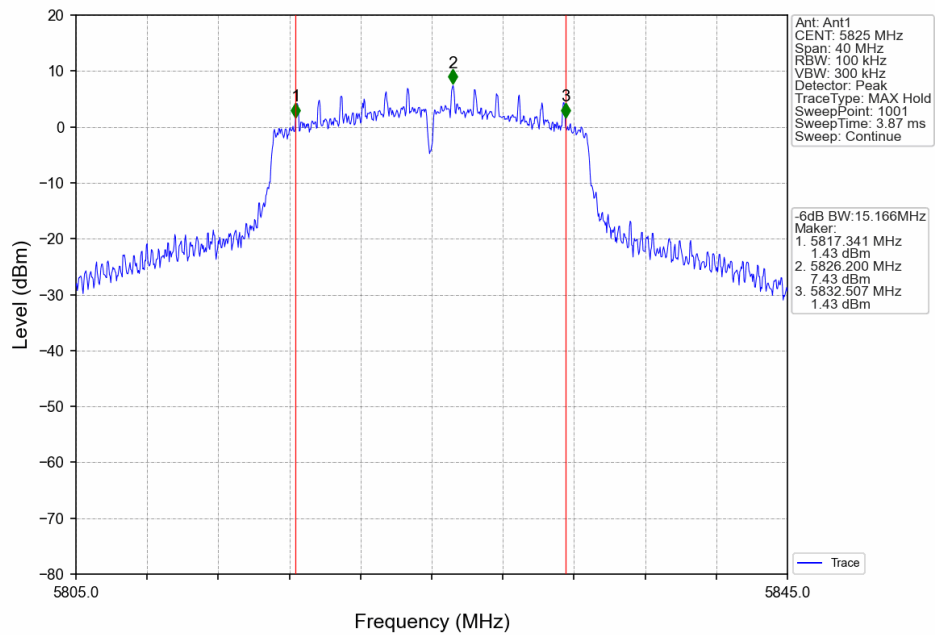
802.11ac(VHT20) LCH 5745MHz Ant1 NTN



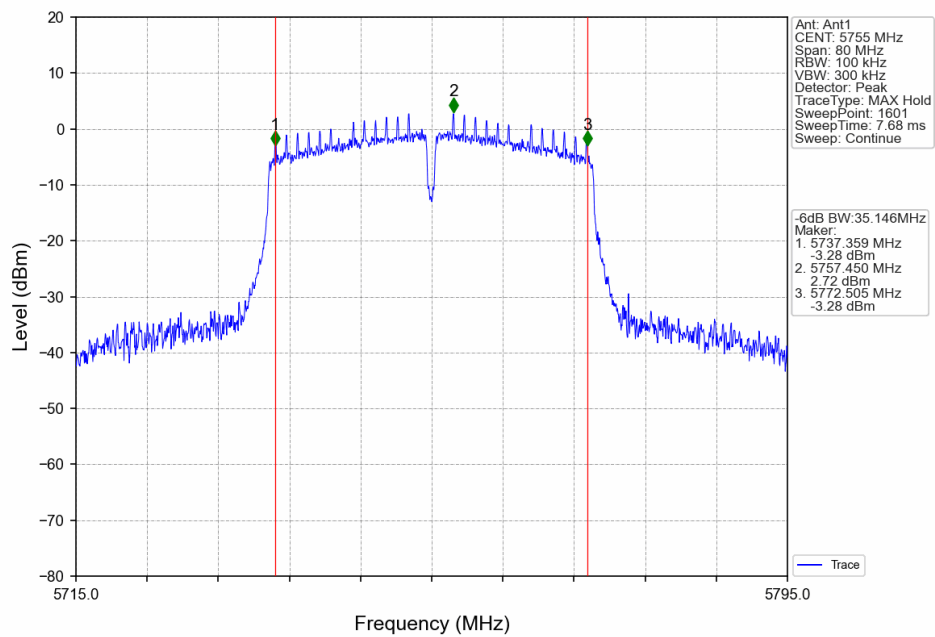
802.11ac(VHT20) MCH 5785MHz Ant1 NTN



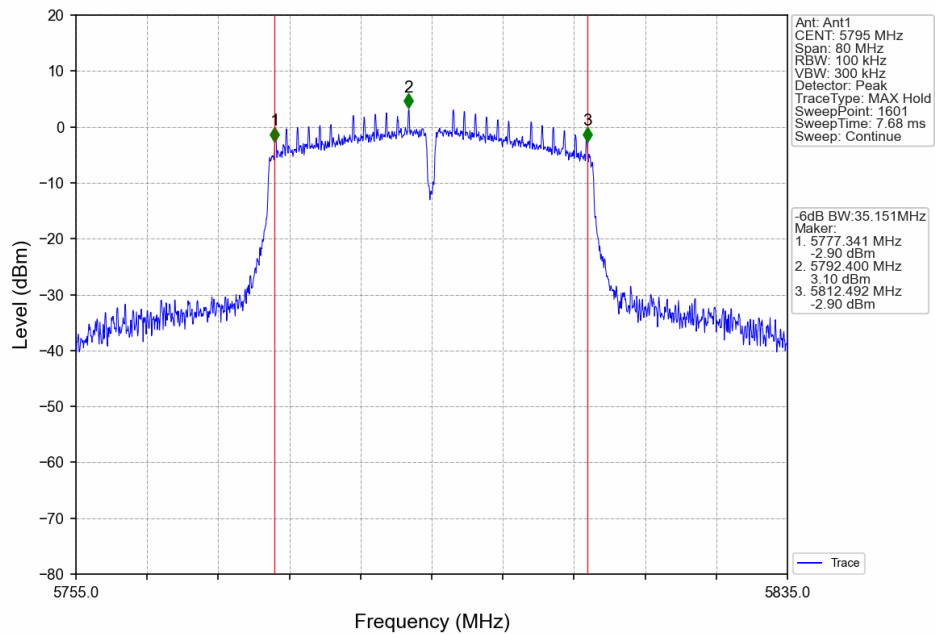
802.11ac(VHT20) HCH 5825MHz Ant1 NTN



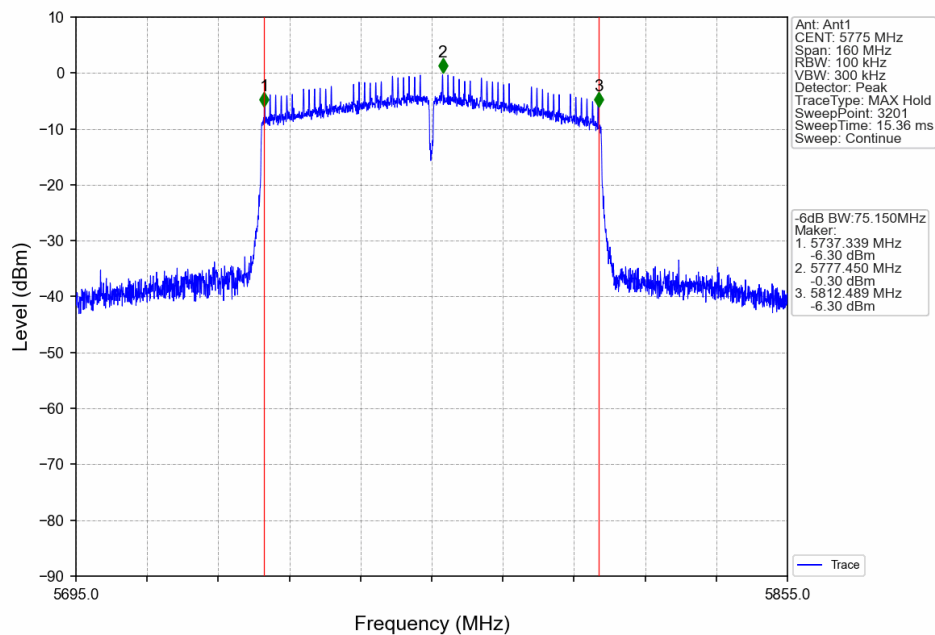
802.11ac(VHT40) LCH 5755MHz Ant1 NTN



802.11ac(VHT40) HCH 5795MHz Ant1 NTN



802.11ac(VHT80) MCH 5775MHz Ant1 NTN

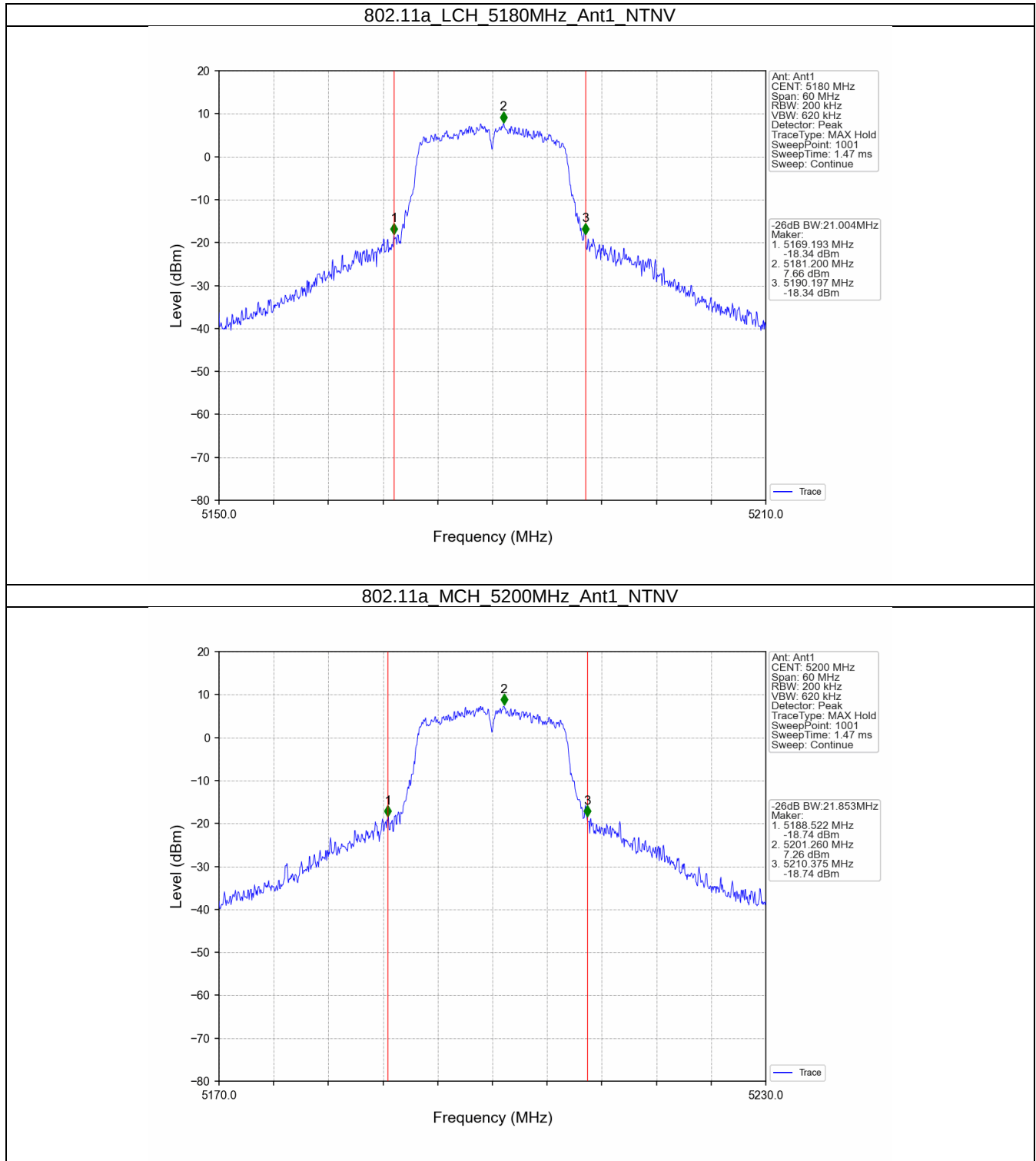


2.3 26dB BW

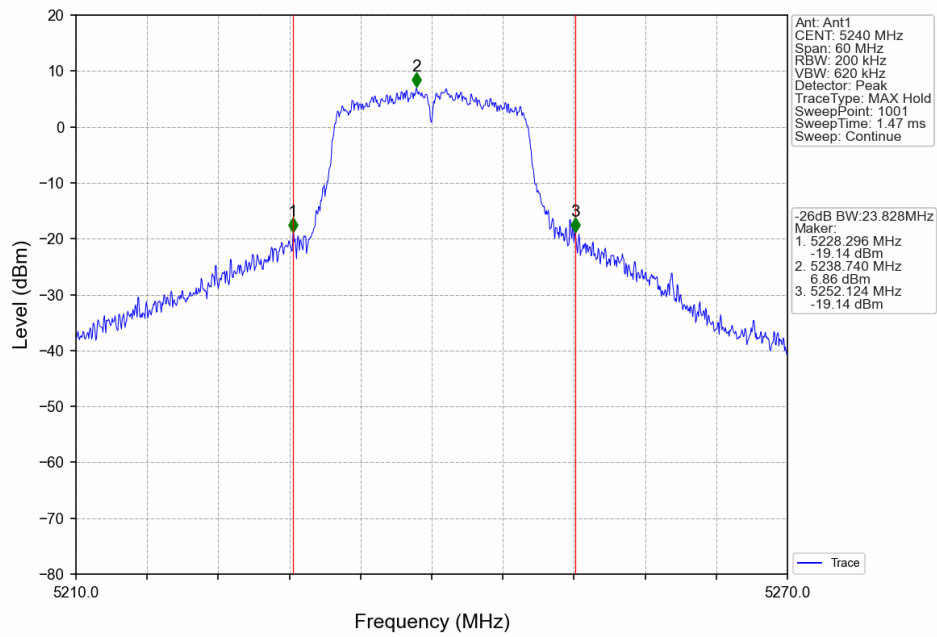
2.3.1 Test Result

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

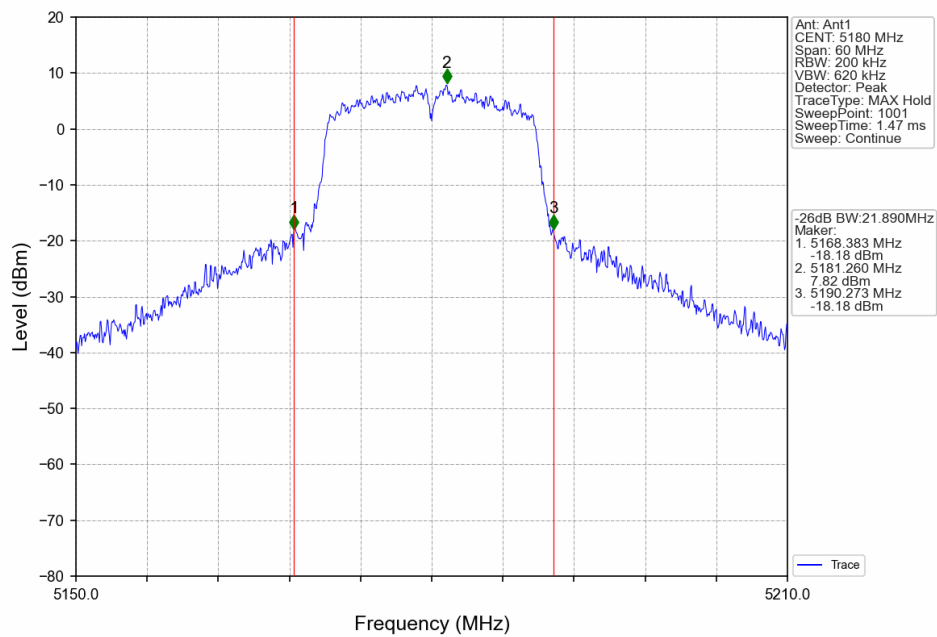
2.3.2 Test Graph



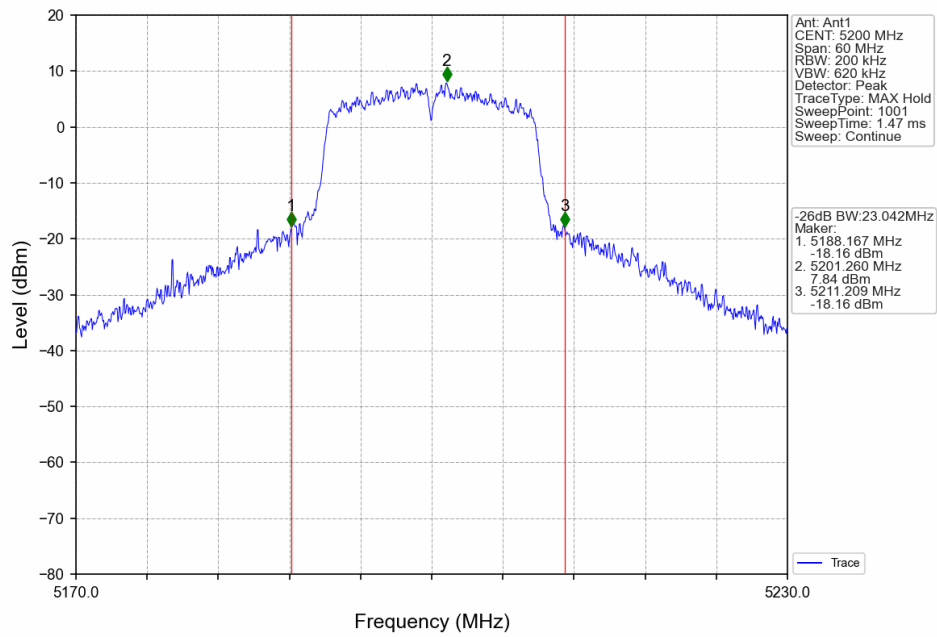
802.11a HCH 5240MHz Ant1 NTVN



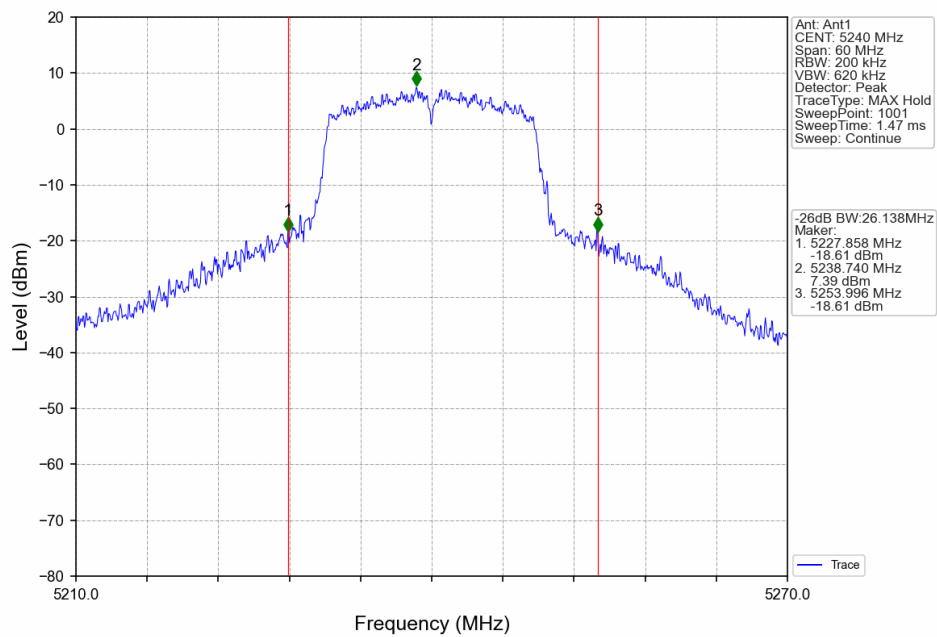
802.11n(HT20) LCH 5180MHz Ant1 NTVN



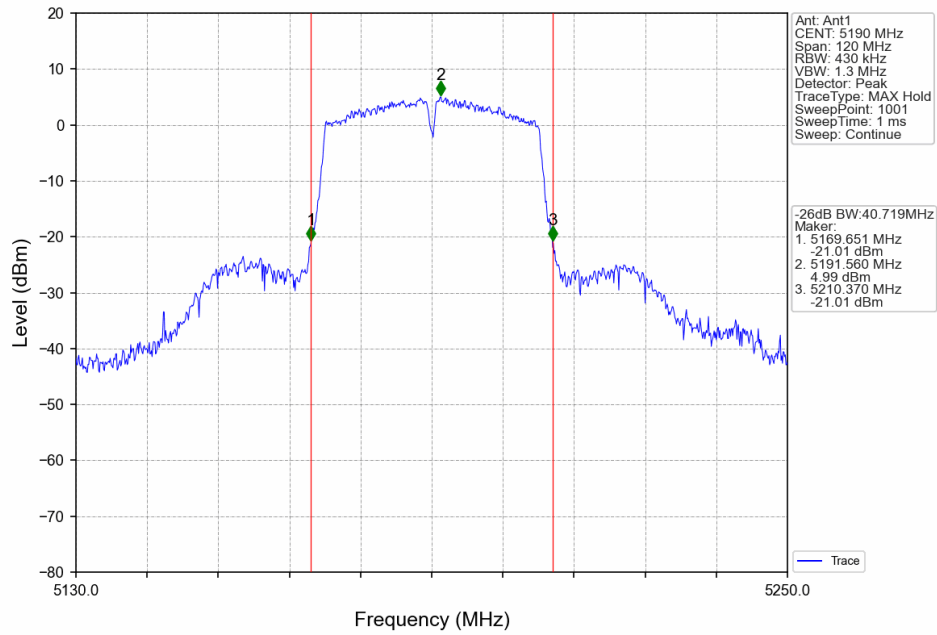
802.11n(HT20) MCH 5200MHz Ant1 NTNV



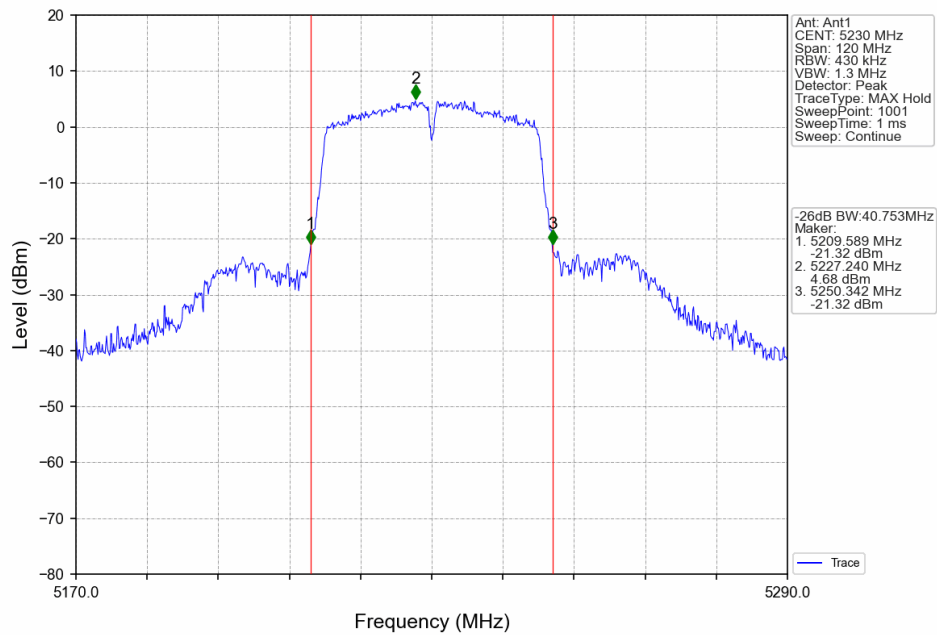
802.11n(HT20) HCH 5240MHz Ant1 NTNV



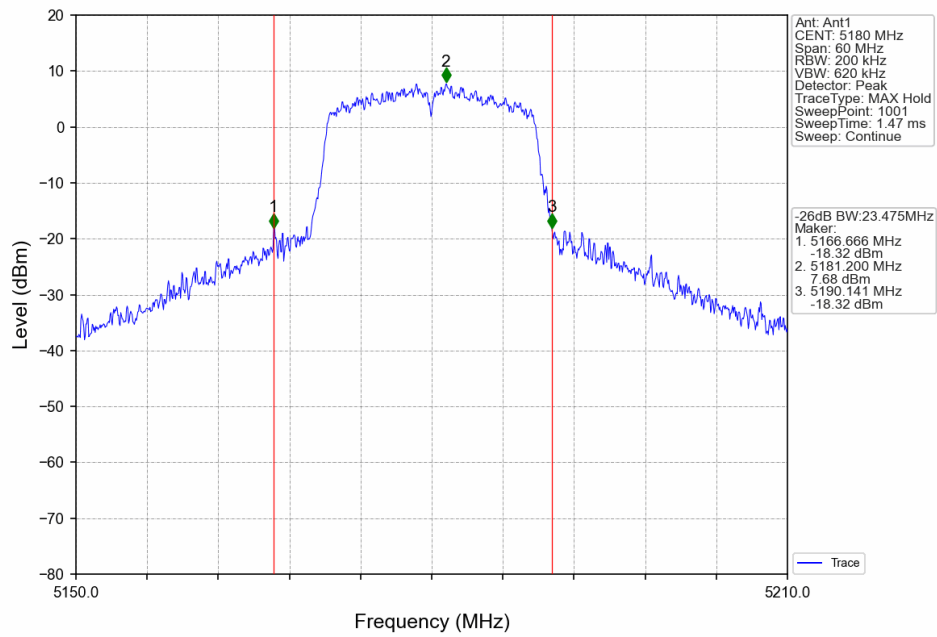
802.11n(HT40) LCH 5190MHz Ant1 NTVN



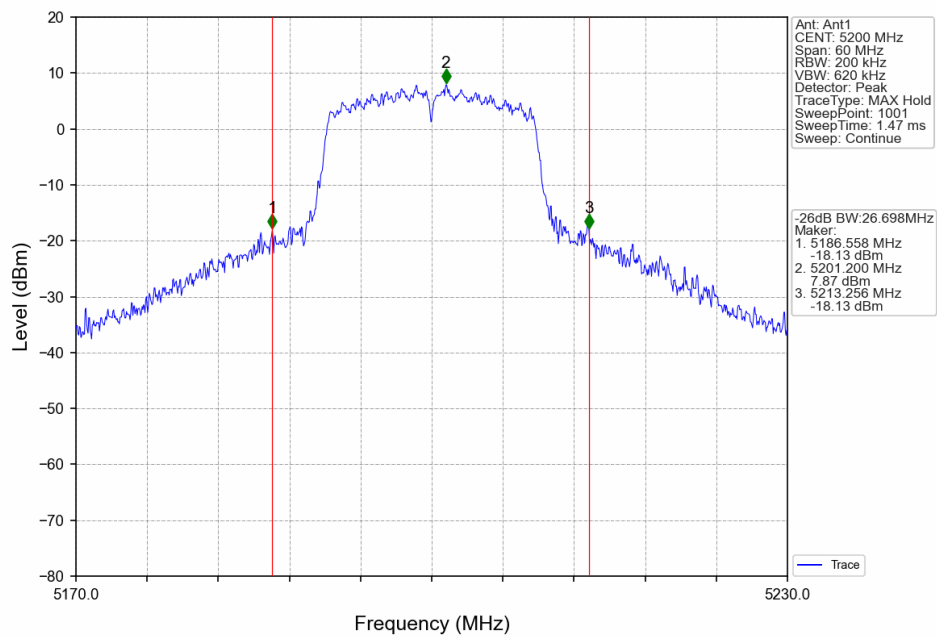
802.11n(HT40) HCH 5230MHz Ant1 NTVN



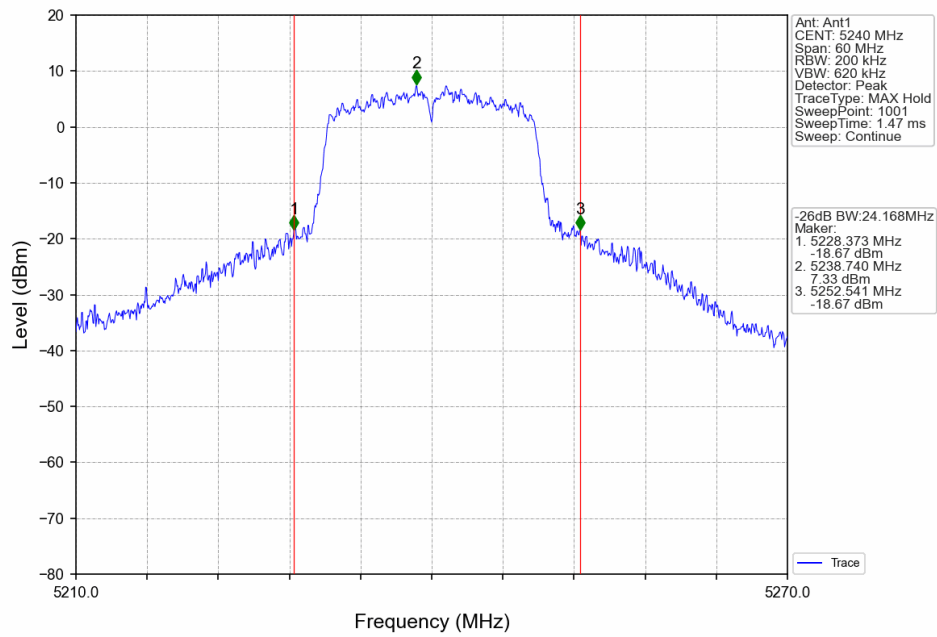
802.11ac(VHT20) LCH 5180MHz Ant1 NTNV



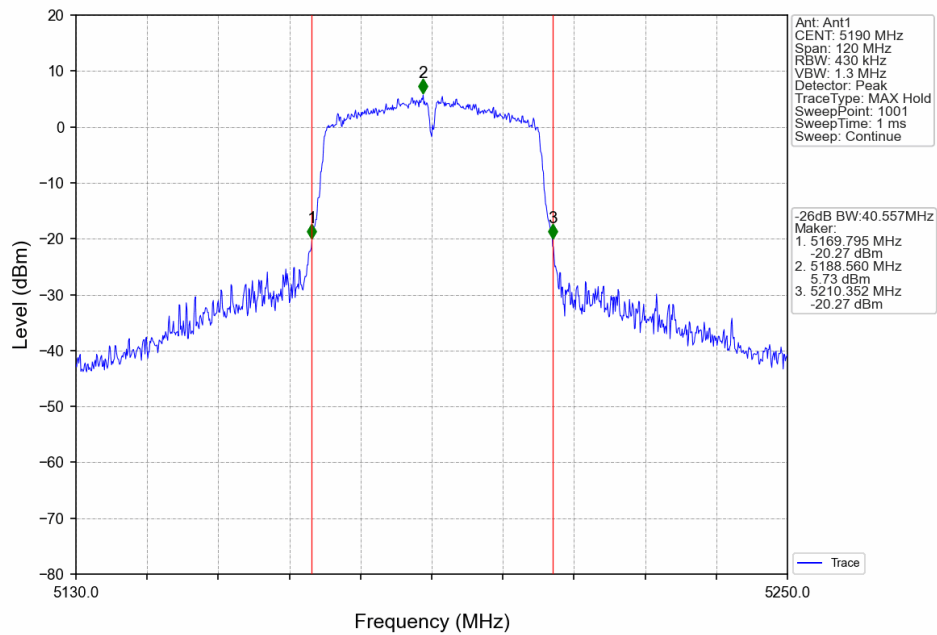
802.11ac(VHT20) MCH 5200MHz Ant1 NTNV



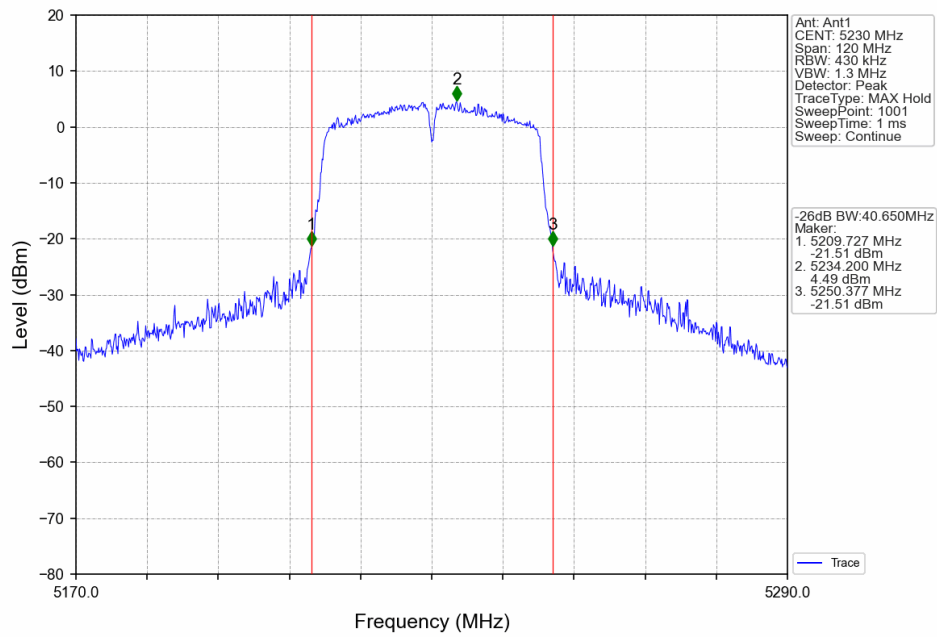
802.11ac(VHT20) HCH 5240MHz Ant1 NTN



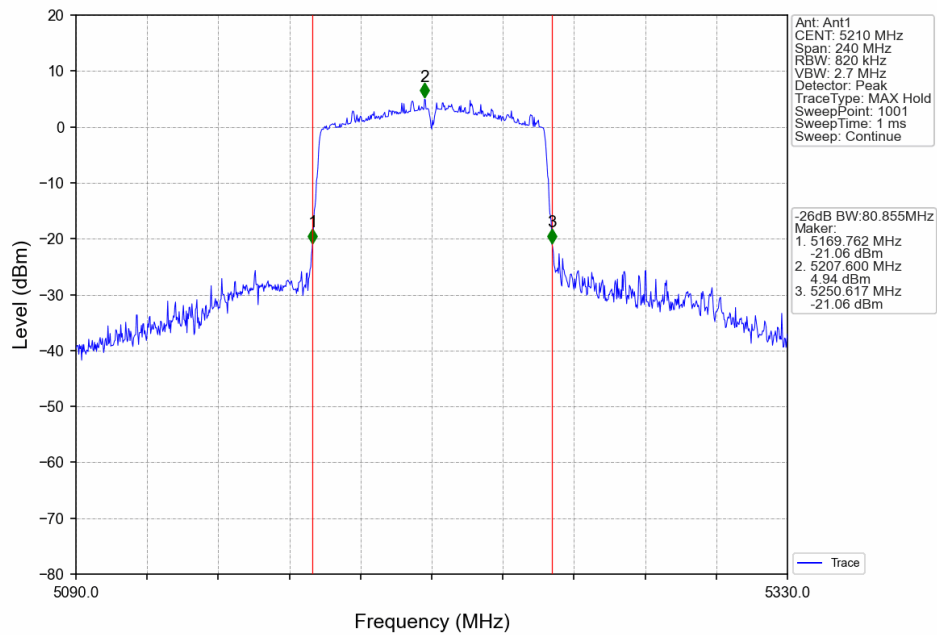
802.11ac(VHT40) LCH 5190MHz Ant1 NTN



802.11ac(VHT40) HCH 5230MHz Ant1 NTNV



802.11ac(VHT80) MCH 5210MHz Ant1 NTNV



3. Maximum Conducted Output Power

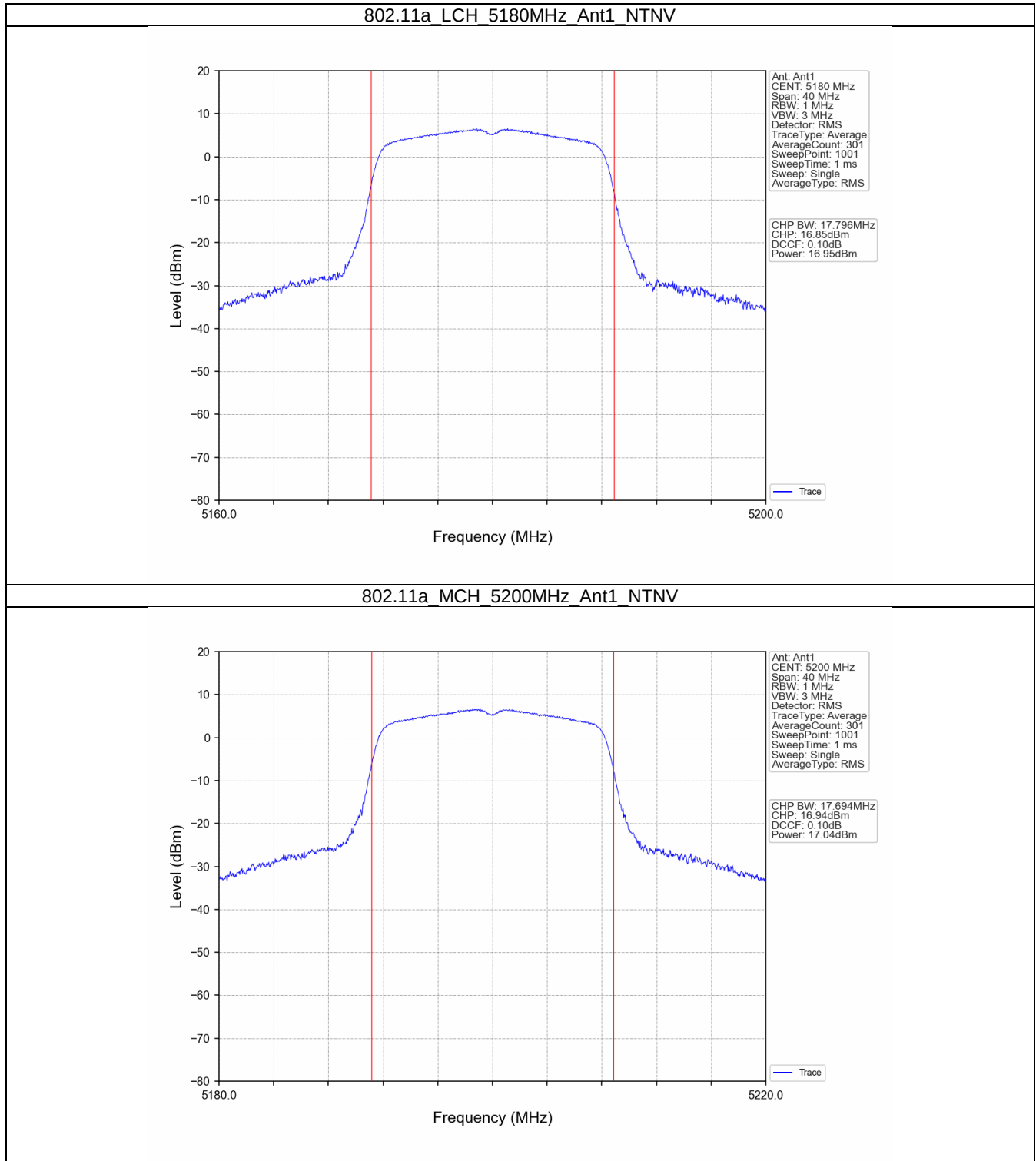
3.1 Power

3.1.1 Test Result

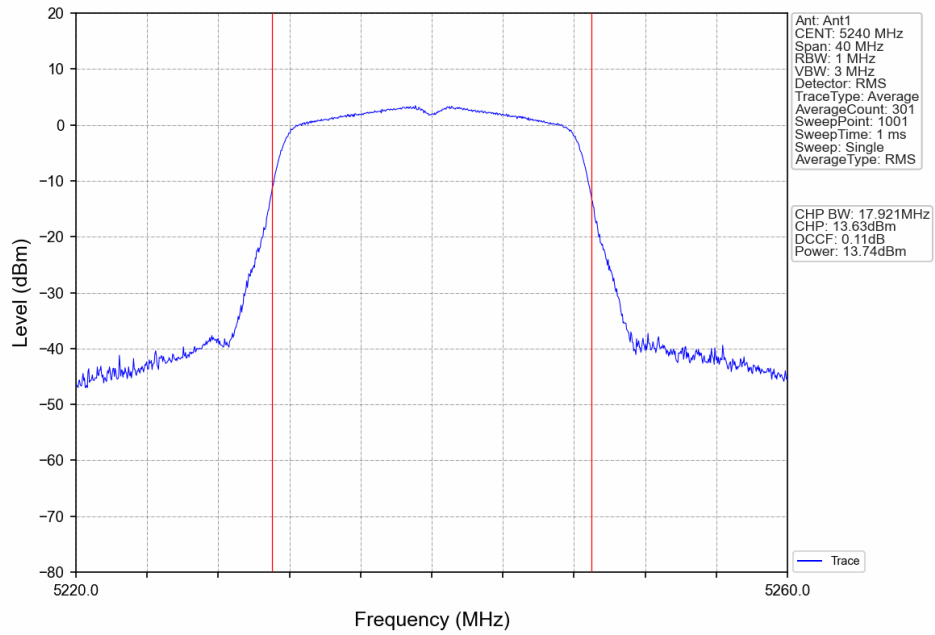
Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
802.11a	SISO	5180	16.95	<=23.98	Pass
		5200	17.04	<=23.98	Pass
		5240	13.74	<=23.98	Pass
		5745	15.44	<=30	Pass
		5785	15.58	<=30	Pass
		5825	16.72	<=30	Pass
802.11n (HT20)	SISO	5180	14.25	<=23.98	Pass
		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;

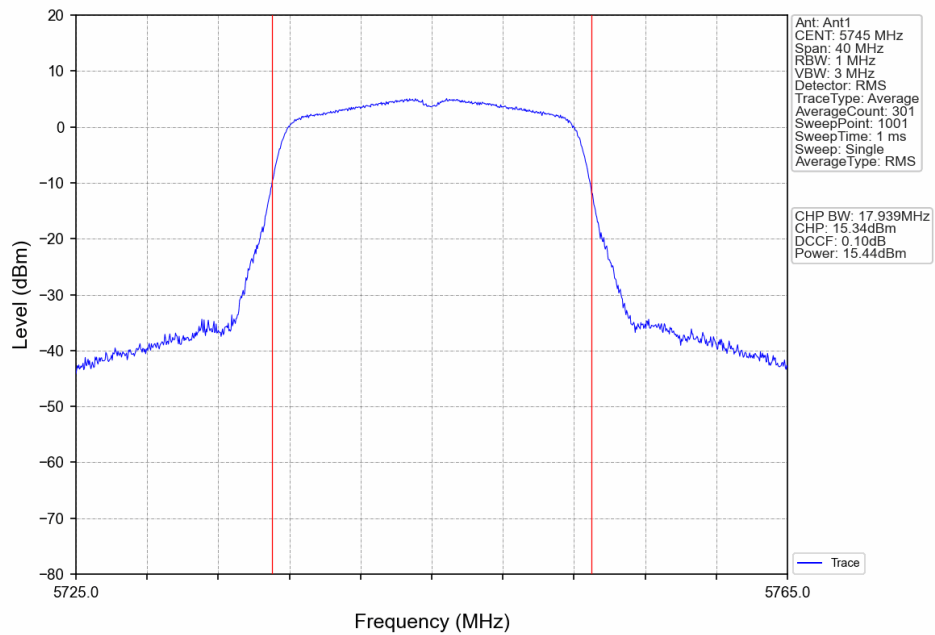
3.1.2 Test Graph



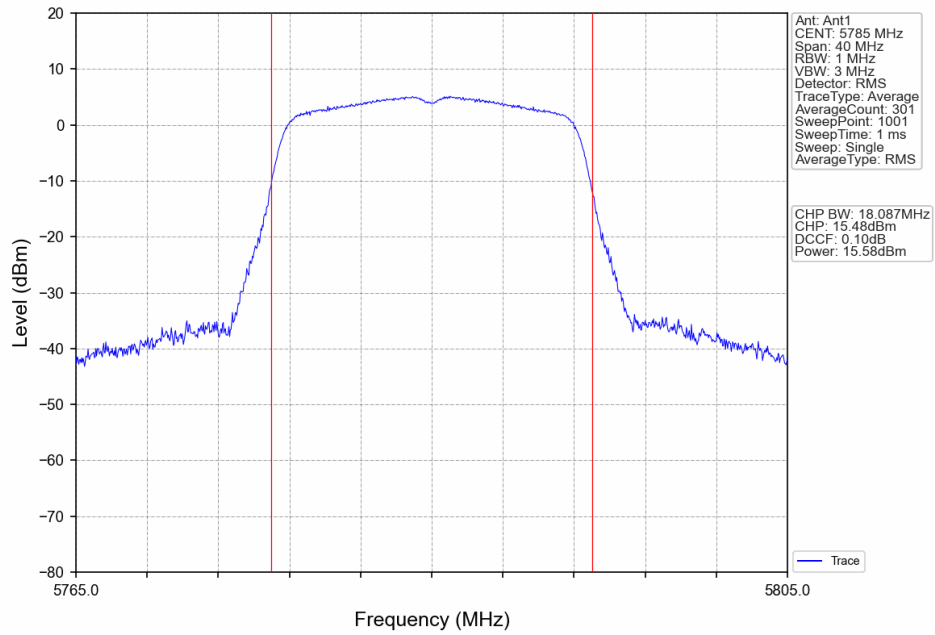
802.11a HCH 5240MHz Ant1 NTNV



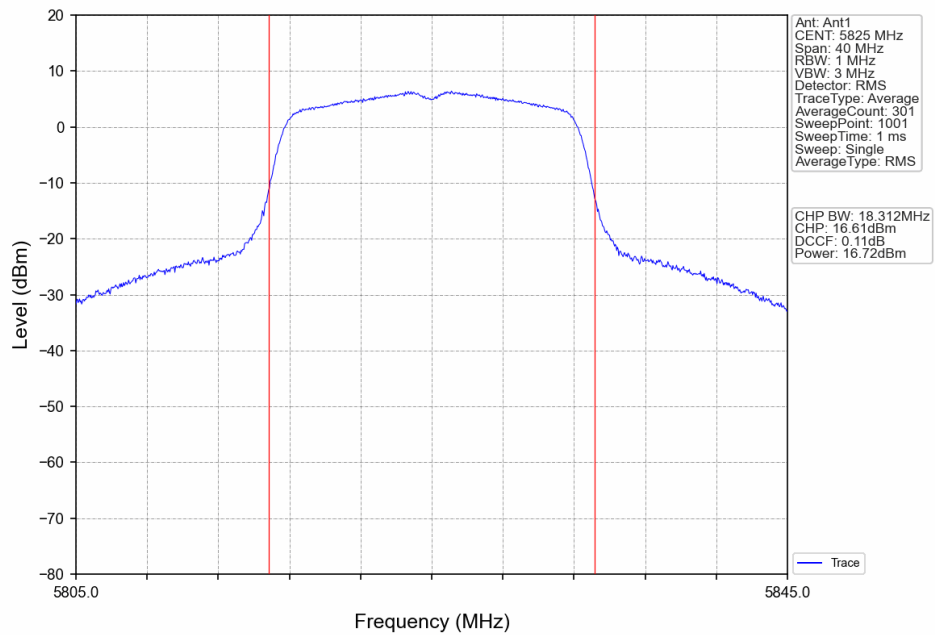
802.11a LCH 5745MHz Ant1 NTNV



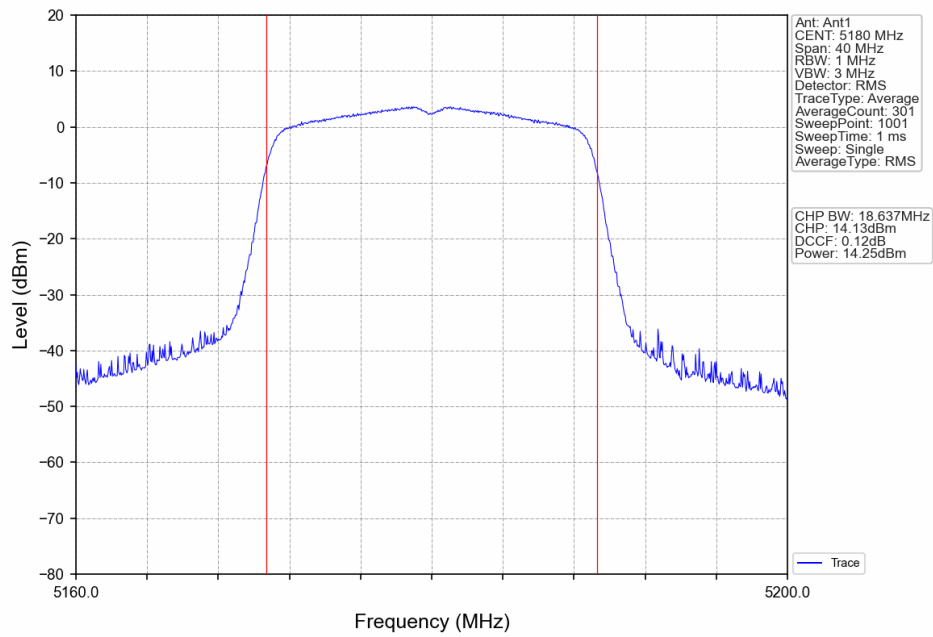
802.11a MCH 5785MHz Ant1 NTV



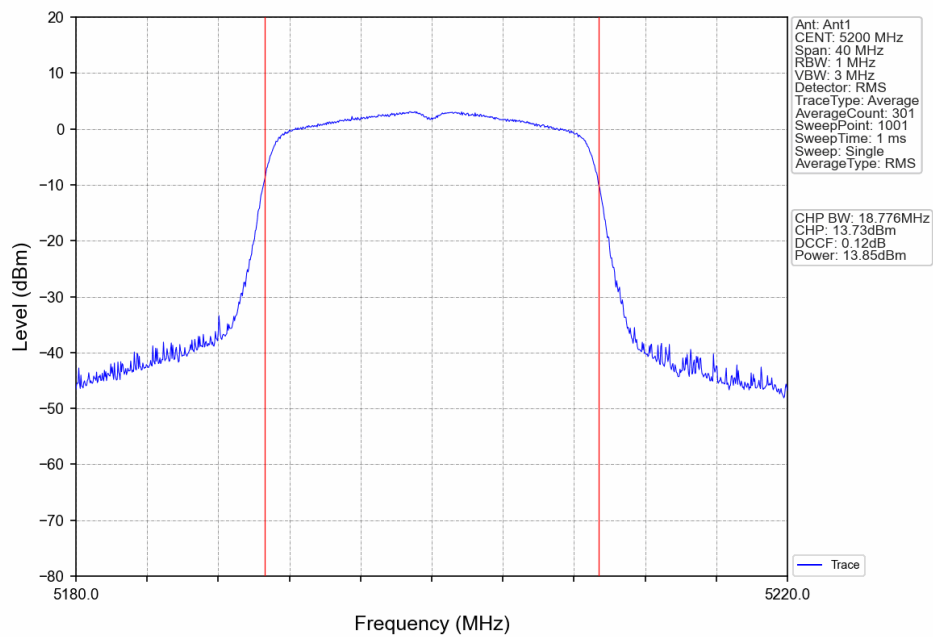
802.11a HCH 5825MHz Ant1 NTV



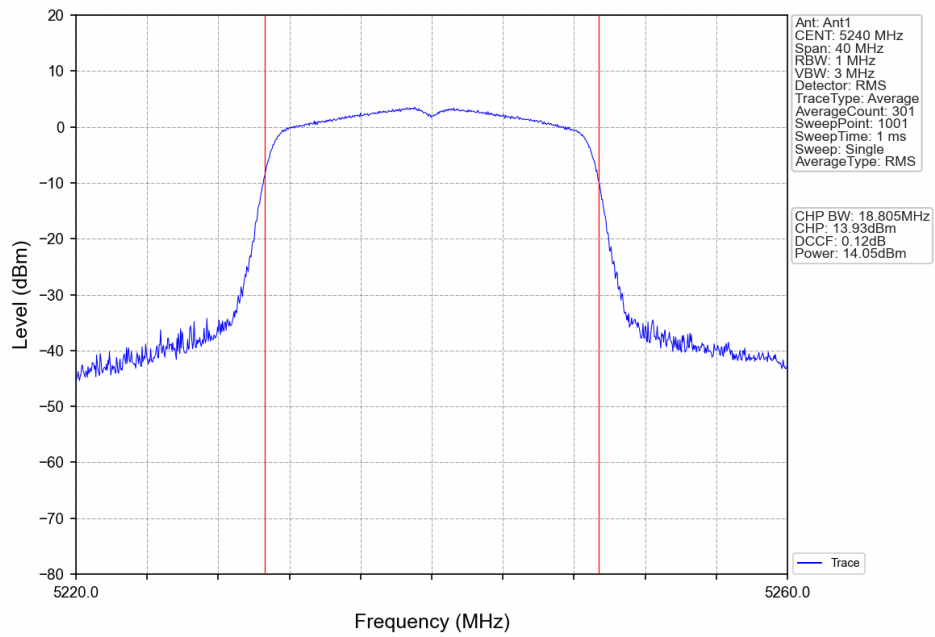
802.11n(HT20) LCH 5180MHz Ant1 NTN



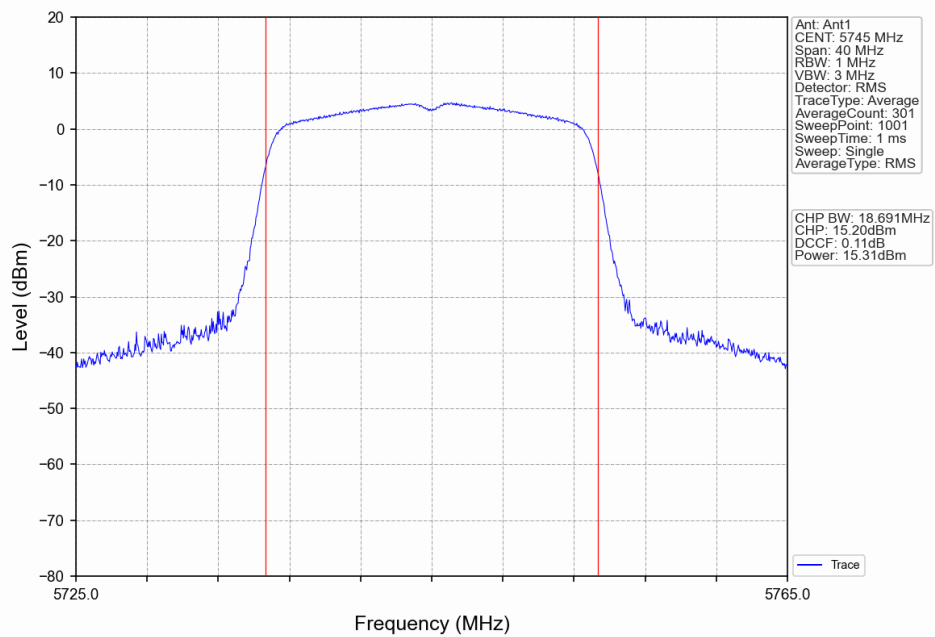
802.11n(HT20) MCH 5200MHz Ant1 NTN



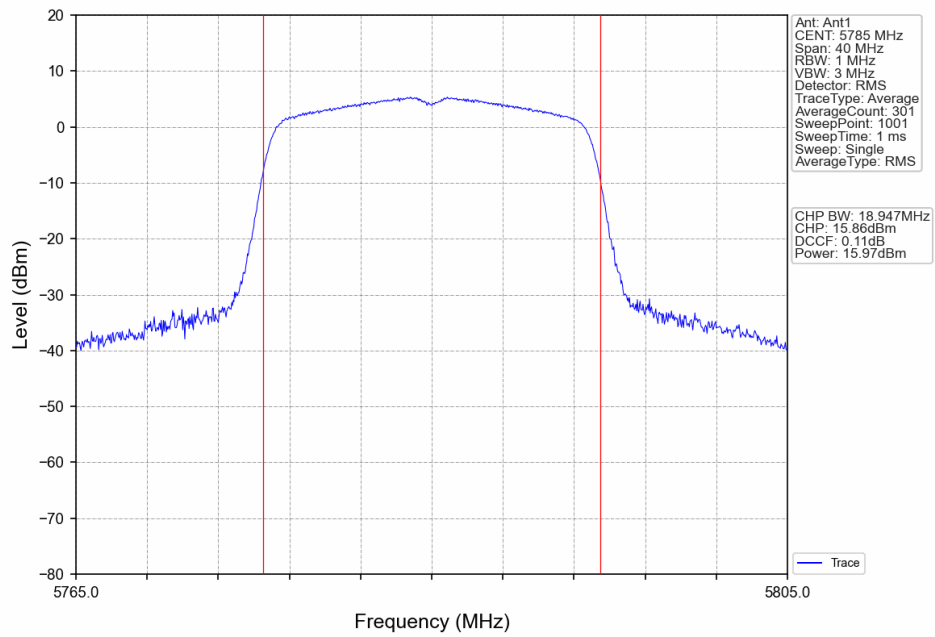
802.11n(HT20) HCH 5240MHz Ant1 NTN



802.11n(HT20) LCH 5745MHz Ant1 NTN



802.11n(HT20) MCH 5785MHz Ant1 NTN



802.11n(HT20) HCH 5825MHz Ant1 NTN

