

1. Duty Cycle

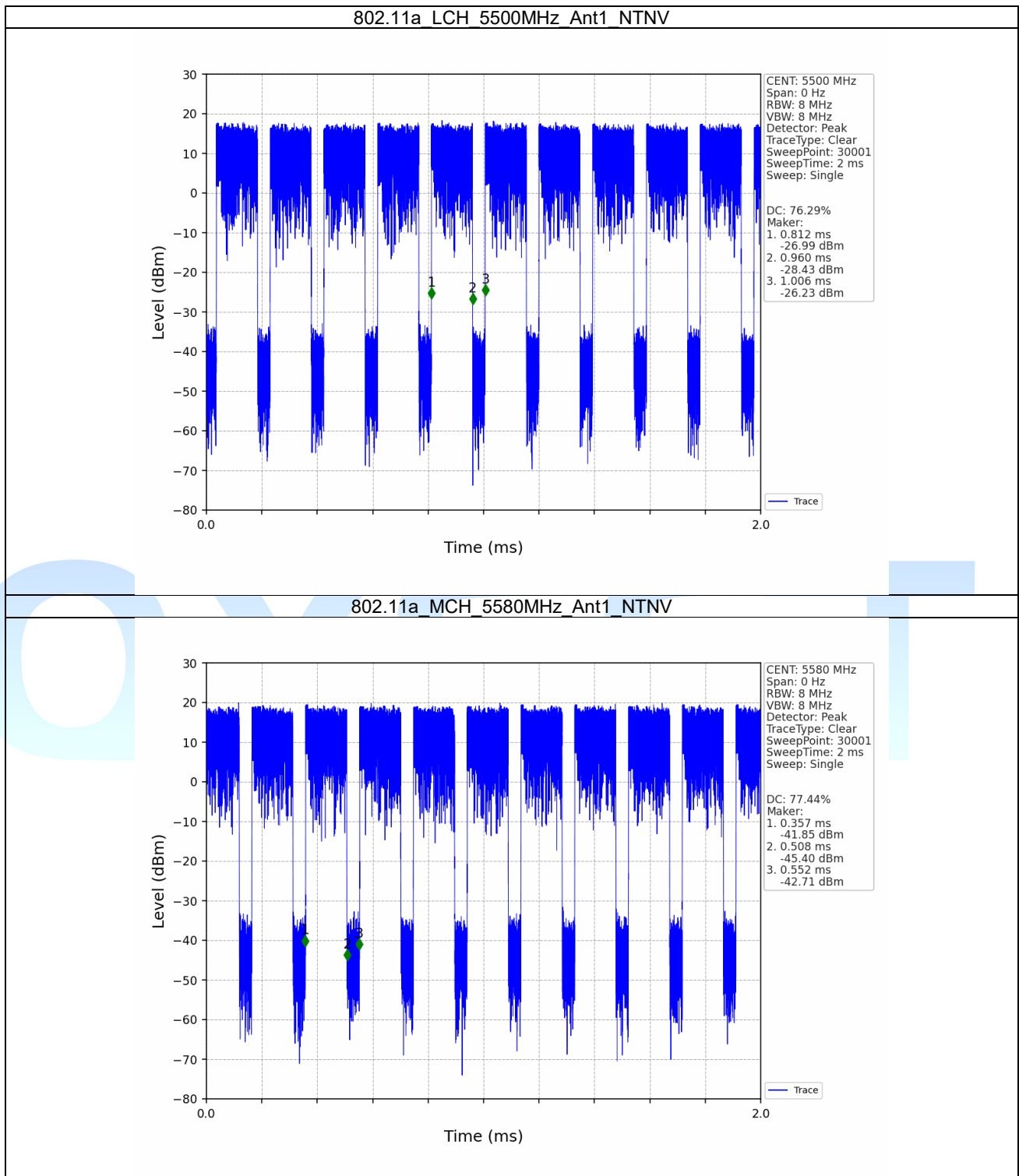
1.1 Test Result

1.1.1 Ant1

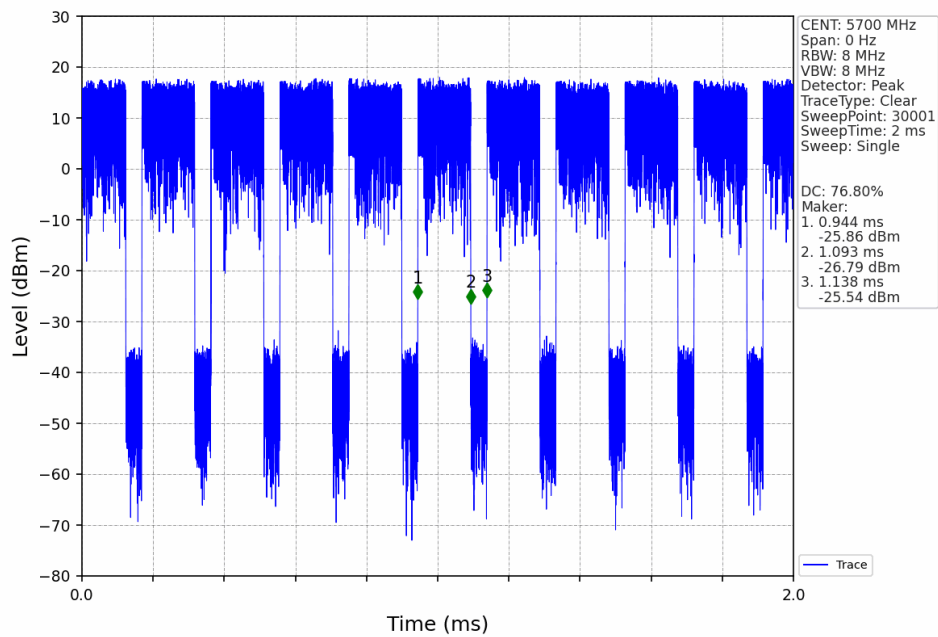
Ant1									
Mode	TX Type	Frequency (MHz)	RU	RU Pos	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11a	SISO	5500	/	/	0.148	0.194	76.29	1.18	0.19
		5580	/	/	0.151	0.195	77.44	1.11	0.43
		5700	/	/	0.149	0.194	76.80	1.15	0.09
802.11n (HT20)	SISO	5500	/	/	0.177	0.223	79.37	1.00	0.38
		5580	/	/	0.177	0.224	79.02	1.02	0.56
		5700	/	/	0.176	0.223	78.92	1.03	0.29
802.11n (HT40)	SISO	5510	/	/	0.181	0.228	79.39	1.00	0.53
		5550	/	/	0.182	0.227	80.18	0.96	0.40
		5670	/	/	0.181	0.227	79.74	0.98	0.36
802.11ac (VHT20)	SISO	5500	/	/	0.164	0.212	77.36	1.11	0.44
		5580	/	/	0.165	0.213	77.46	1.11	0.47
		5700	/	/	0.165	0.212	77.83	1.09	0.58
802.11ac (VHT40)	SISO	5510	/	/	0.156	0.203	76.85	1.14	0.43
		5550	/	/	0.157	0.203	77.34	1.12	0.58
		5670	/	/	0.156	0.203	76.85	1.14	0.48
802.11ac (VHT80)	SISO	5530	/	/	0.165	0.211	78.20	1.07	0.43
		5610	/	/	0.165	0.210	78.57	1.05	0.22
802.11ax (HEW20)	SISO	5500	SU	/	0.175	0.222	78.83	1.03	0.51
		5580	SU	/	0.175	0.221	79.19	1.01	0.12
		5700	SU	/	0.175	0.222	78.83	1.03	0.47
802.11ax (HEW40)	SISO	5510	SU	/	0.173	0.219	79.00	1.02	0.94
		5550	SU	/	0.171	0.217	78.80	1.03	0.09
		5670	SU	/	0.172	0.218	78.90	1.03	0.21
802.11ax (HEW80)	SISO	5530	SU	/	0.179	0.223	80.27	0.95	0.28
		5610	SU	/	0.177	0.225	78.67	1.04	0.45

1.2 Test Graph

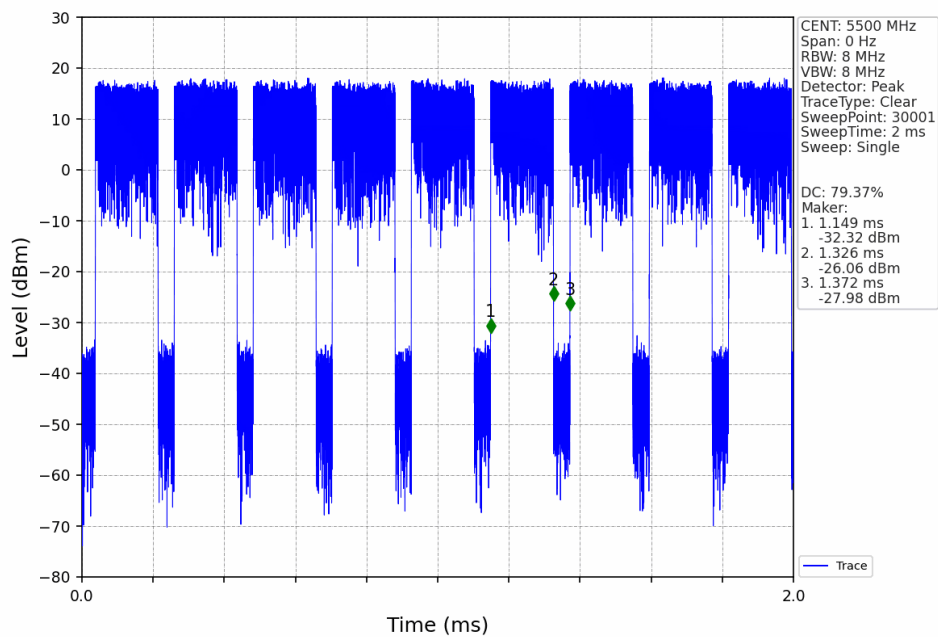
1.2.1 Ant1



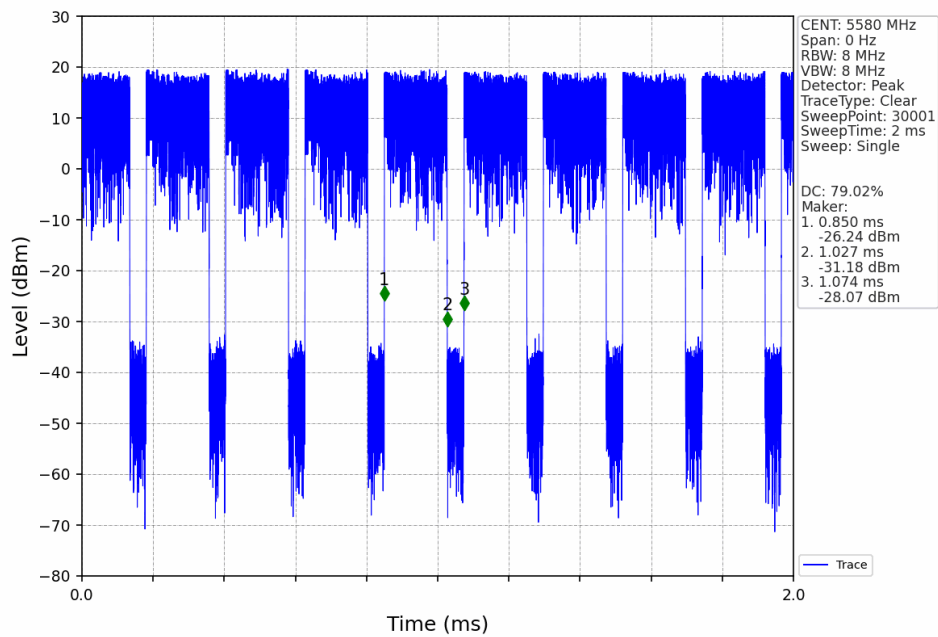
802.11a_HCH_5700MHz_Ant1_NTNV



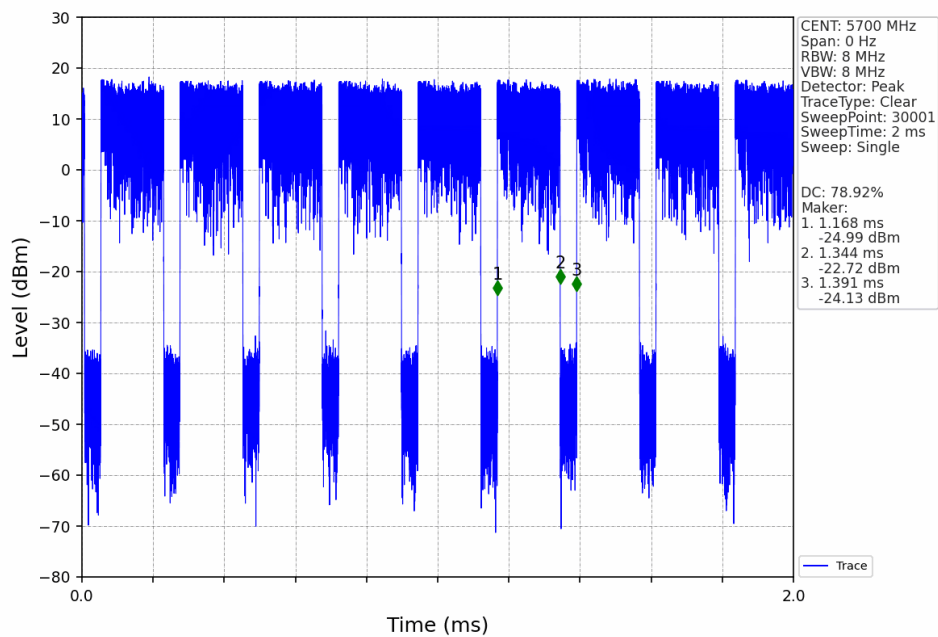
802.11n(HT20)_LCH_5500MHz_Ant1_NTNV



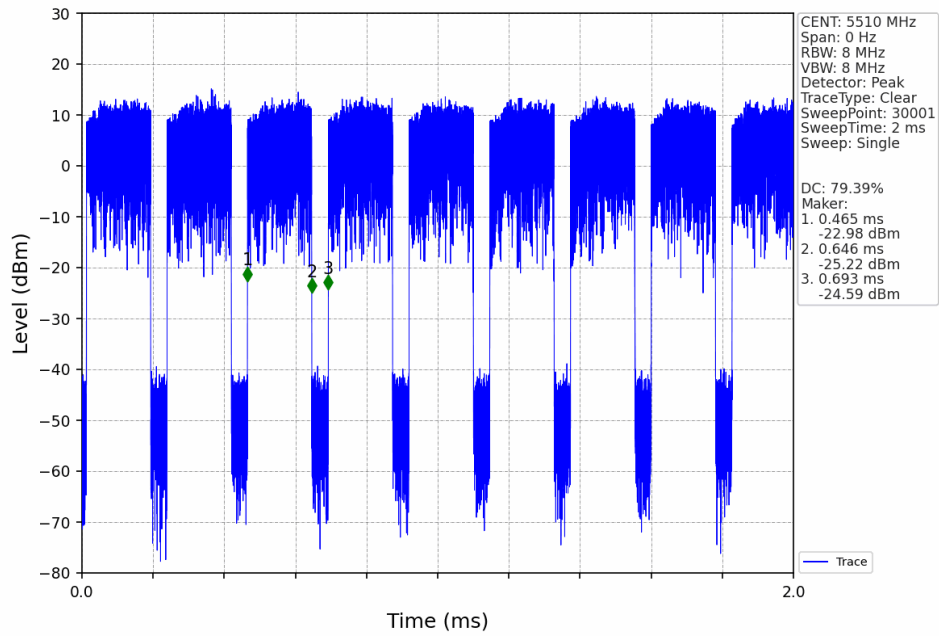
802.11n(HT20) MCH 5580MHz_Ant1_NTNV



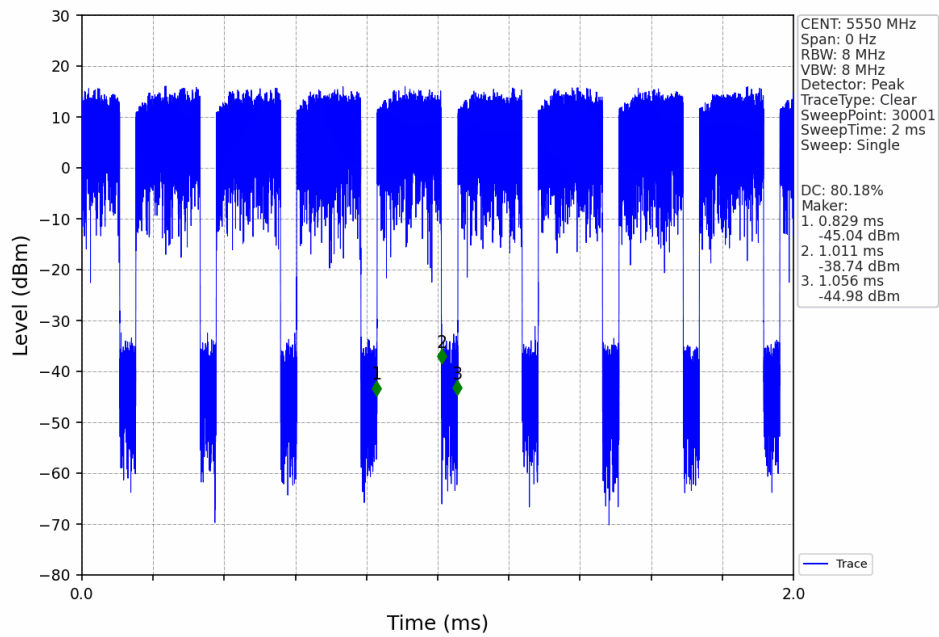
802.11n(HT20) HCH 5700MHz_Ant1_NTNV



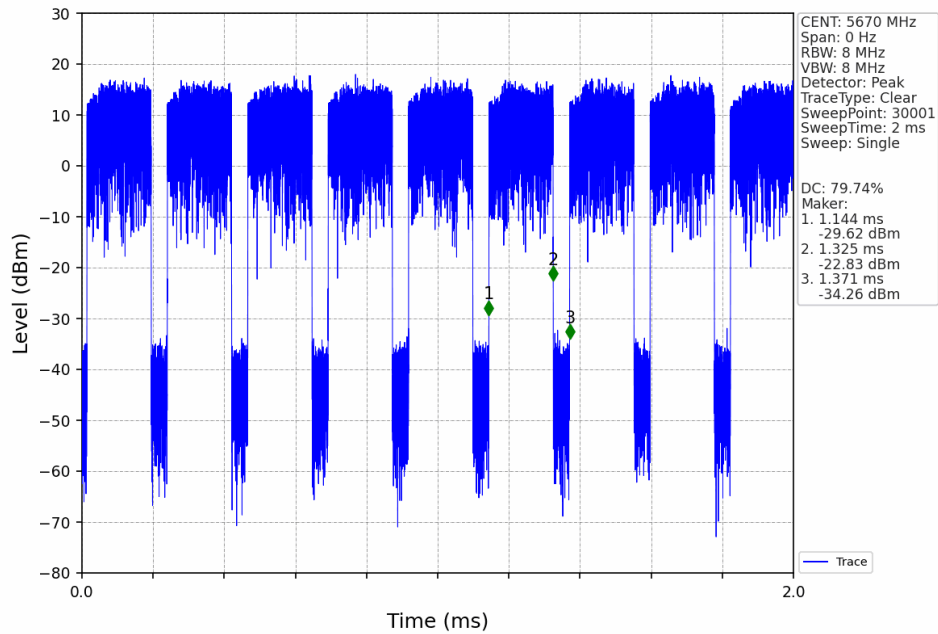
802.11n(HT40)_LCH_5510MHz_Ant1_NTNV



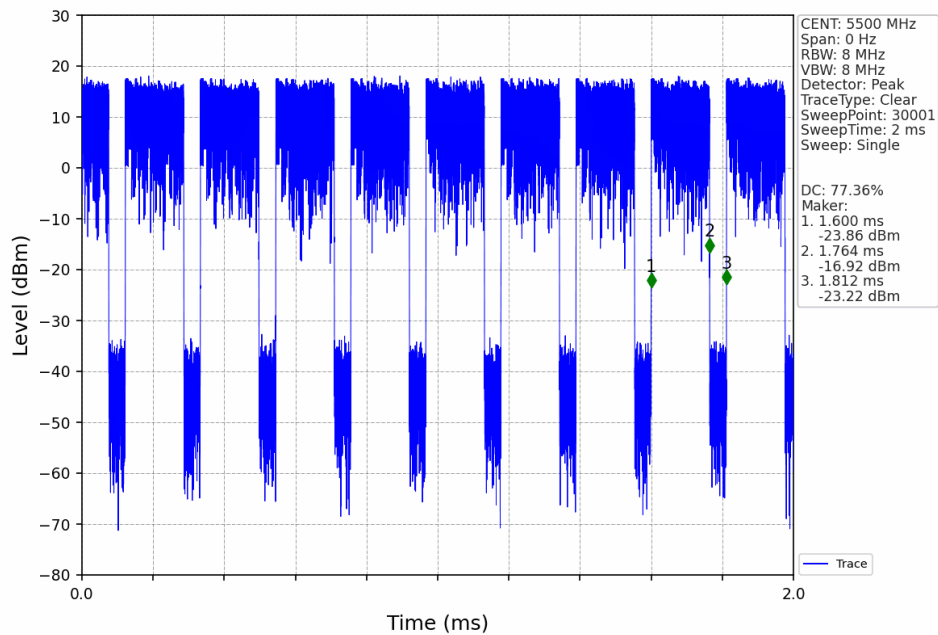
802.11n(HT40)_MCH_5550MHz_Ant1_NTNV



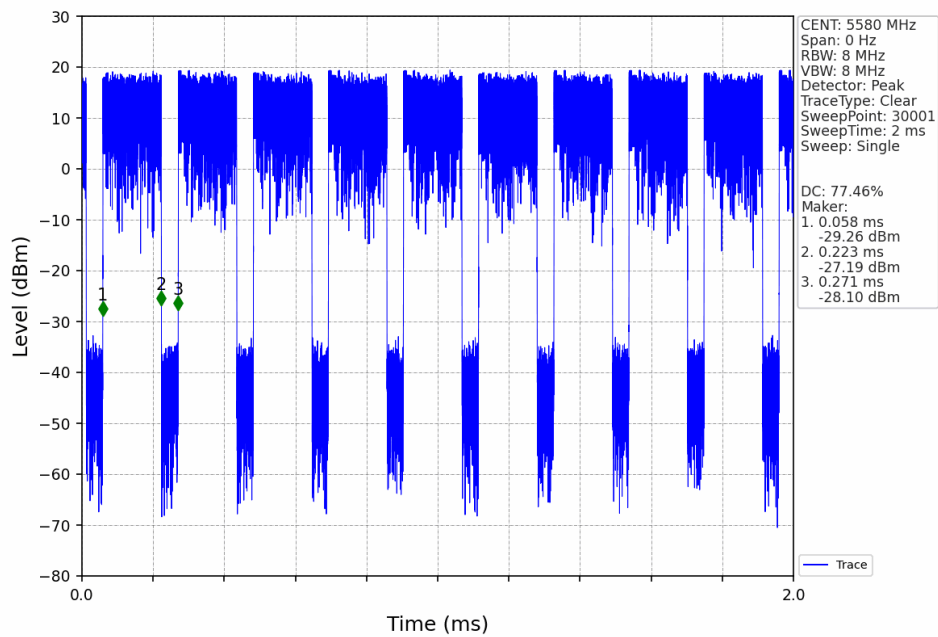
802.11n(HT40) HCH_5670MHz_Ant1_NTNV



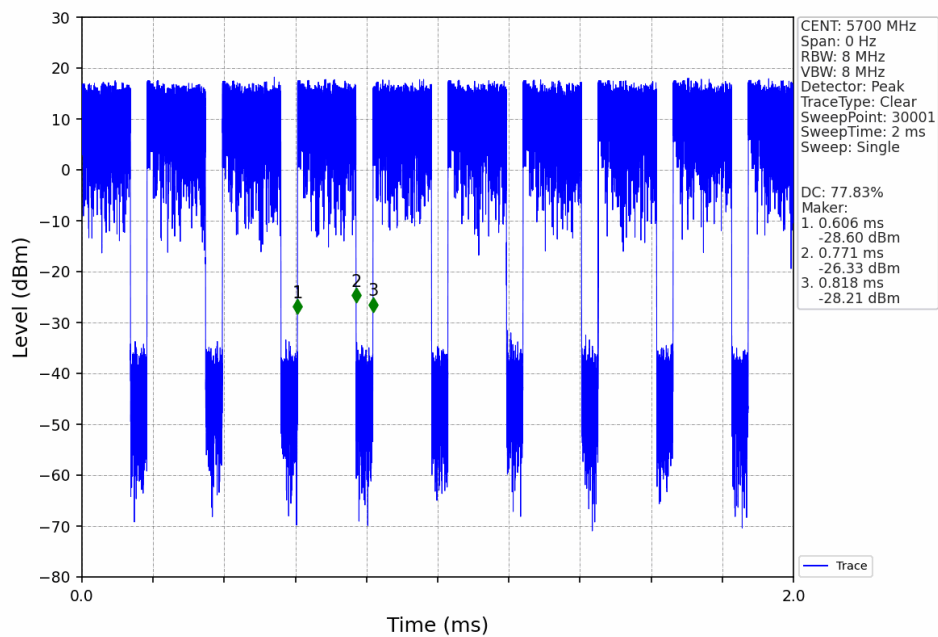
802.11ac(VHT20) LCH_5500MHz_Ant1_NTNV



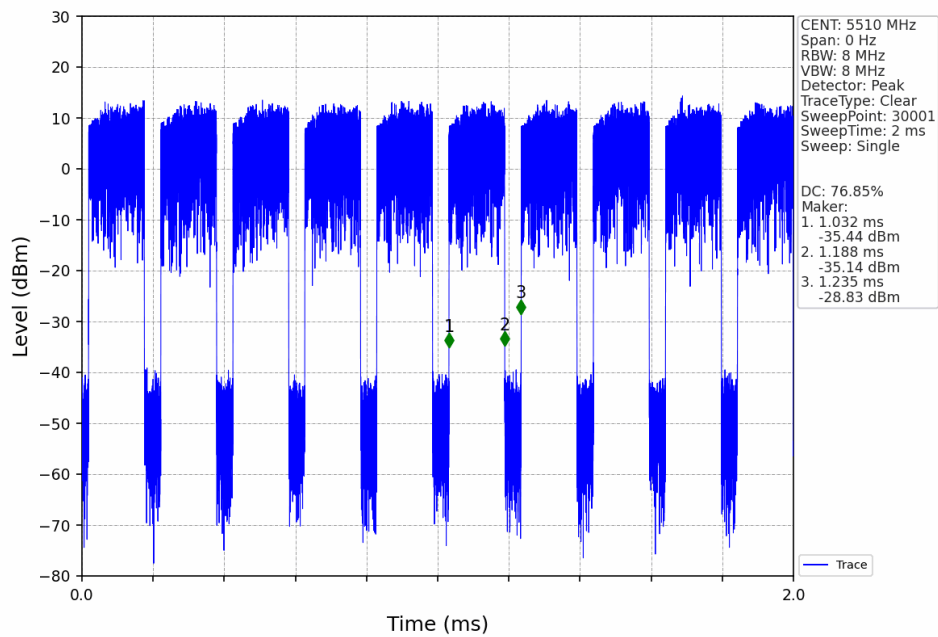
802.11ac(VHT20) MCH_5580MHz_Ant1_NTNV



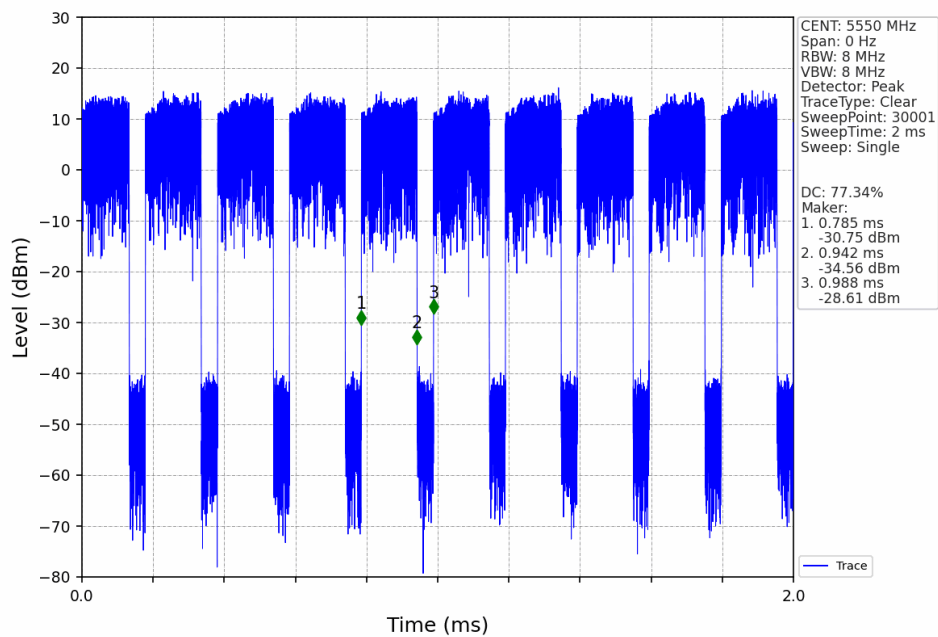
802.11ac(VHT20) HCH_5700MHz_Ant1_NTNV



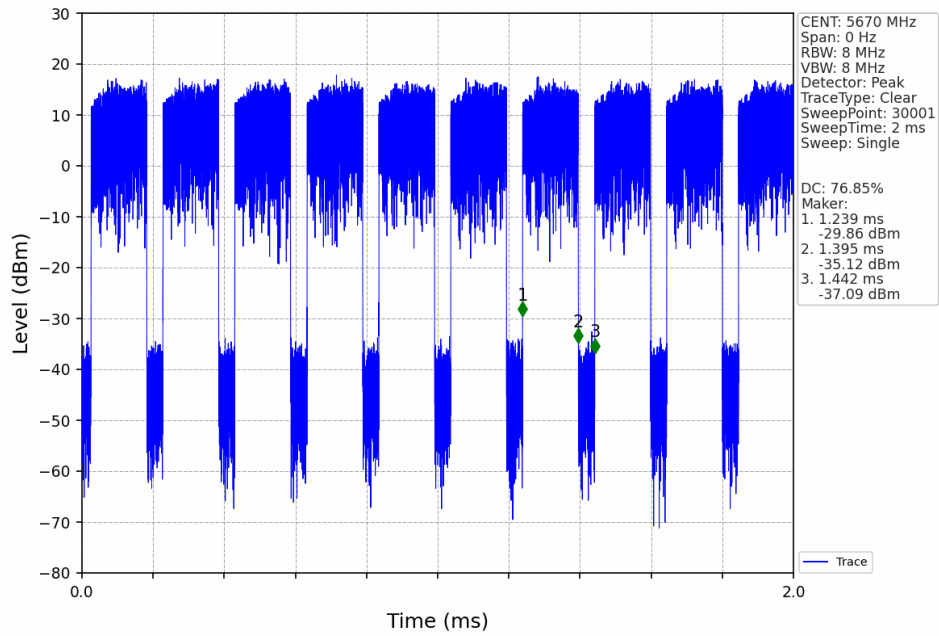
802.11ac(VHT40) LCH_5510MHz_Ant1_NTNV



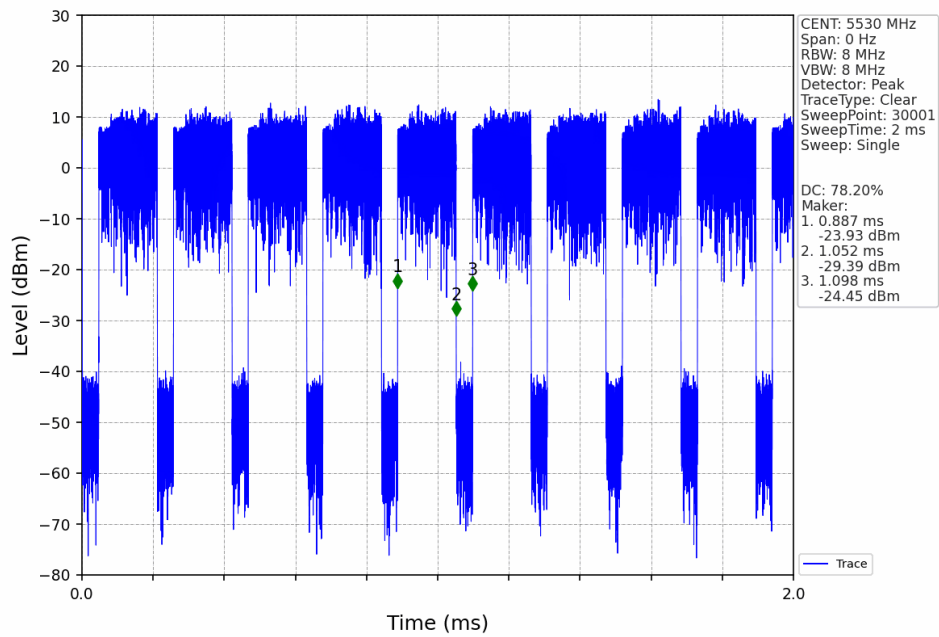
802.11ac(VHT40) MCH_5550MHz_Ant1_NTNV



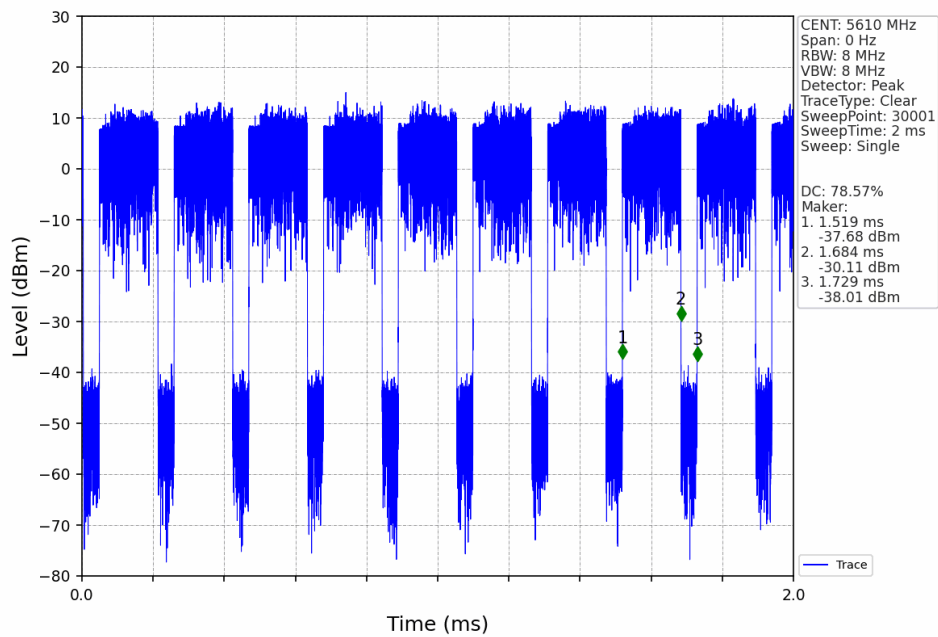
802.11ac(VHT40) HCH_5670MHz_Ant1_NTNV



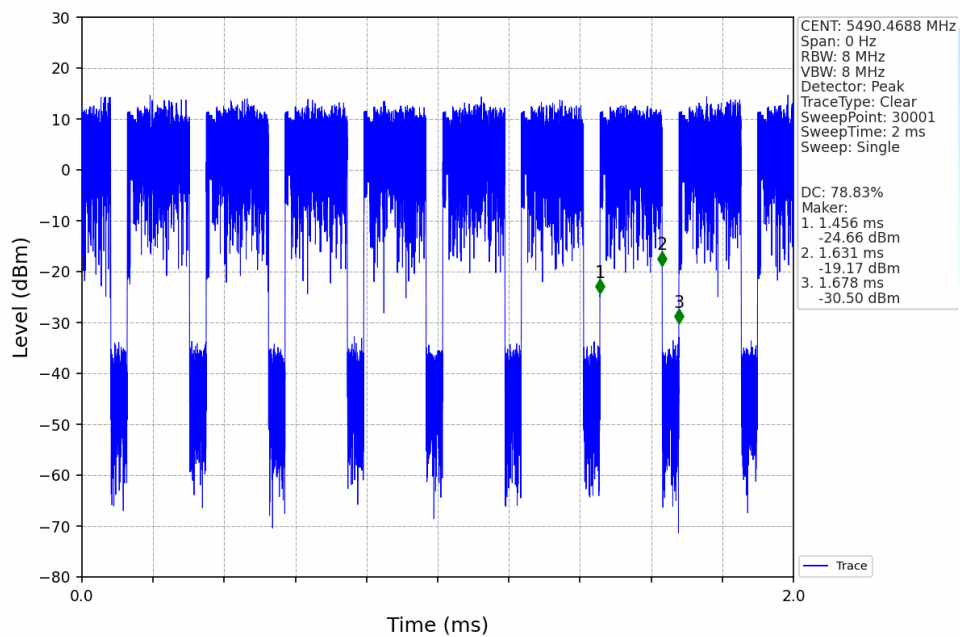
802.11ac(VHT80) LCH_5530MHz_Ant1_NTNV



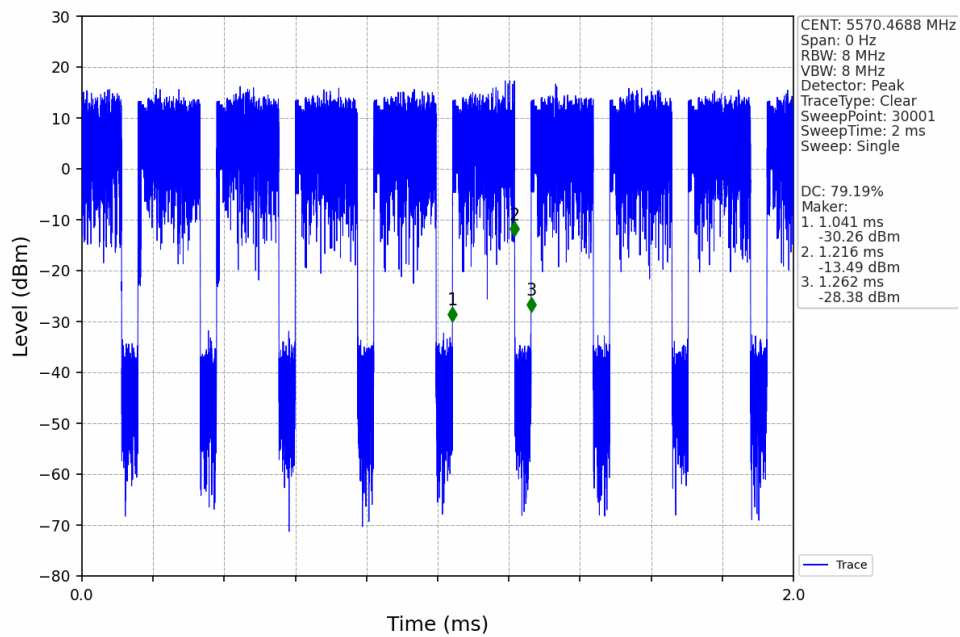
802.11ac(VHT80) HCH_5610MHz_Ant1_NTNV



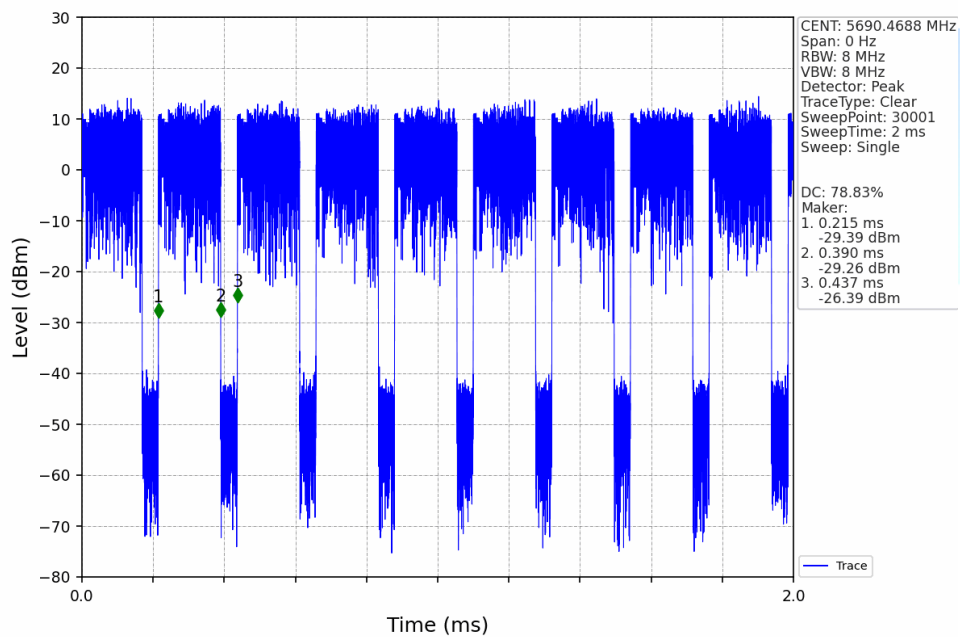
802.11ax(HEW20) LCH_5500MHz_SU_ / Ant1_NTNV



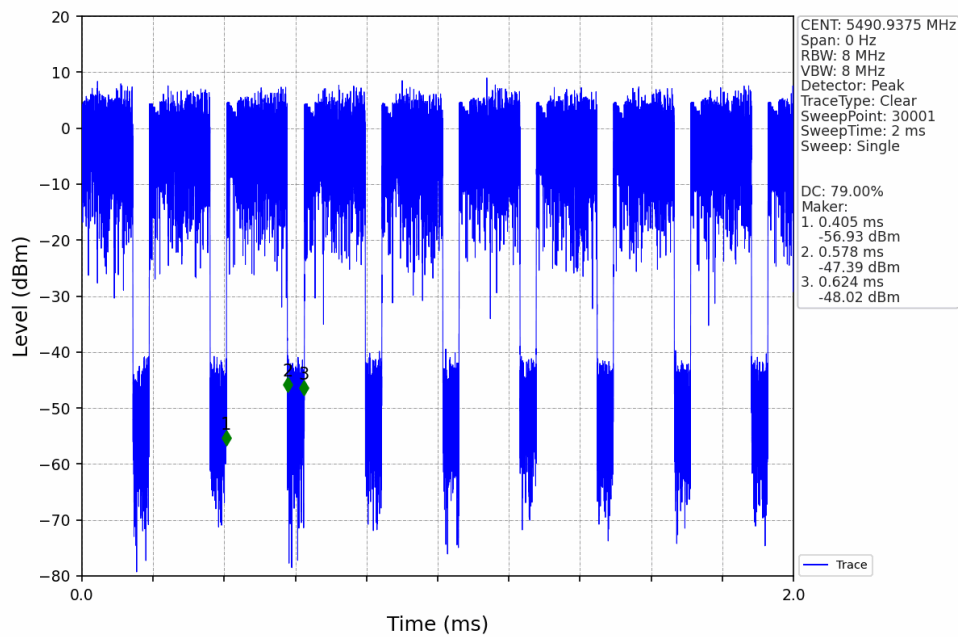
802.11ax(HEW20)_MCH_5580MHz_SU / Ant1_NTNV



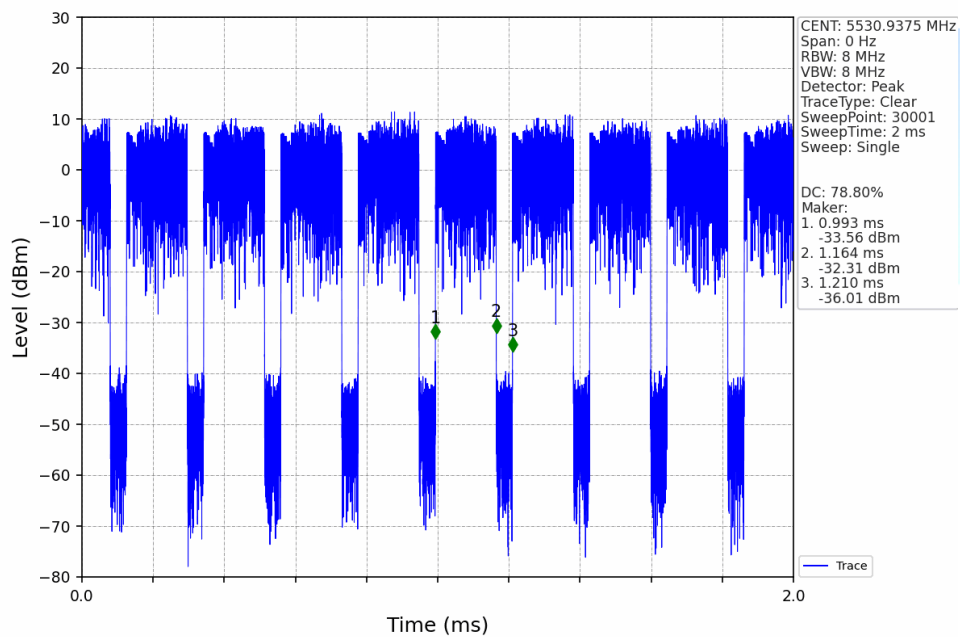
802.11ax(HEW20)_HCH_5700MHz_SU / Ant1_NTNV



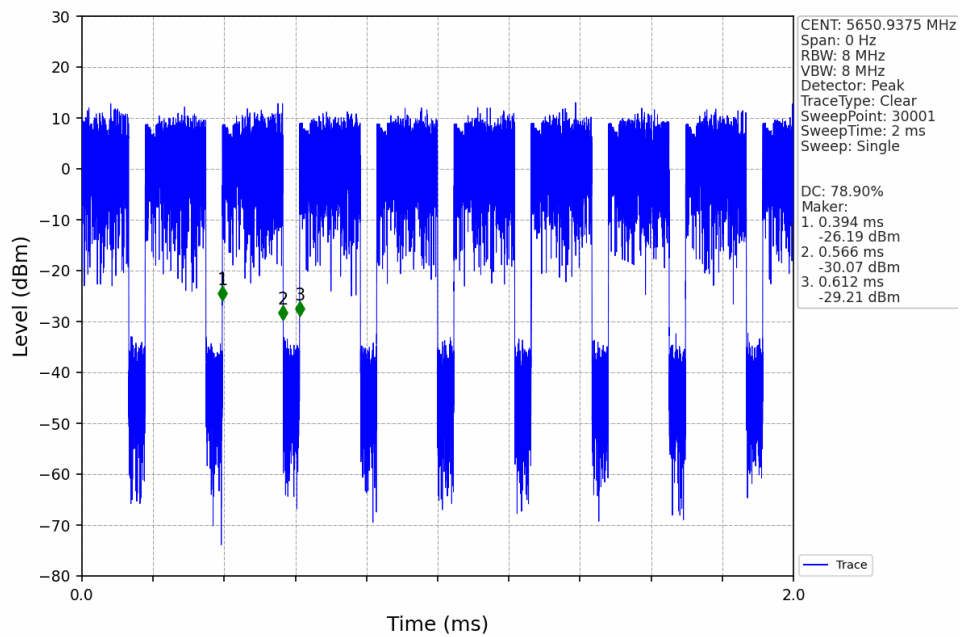
802.11ax(HEW40)_LCH_5510MHz_SU_ / Ant1_NTNV



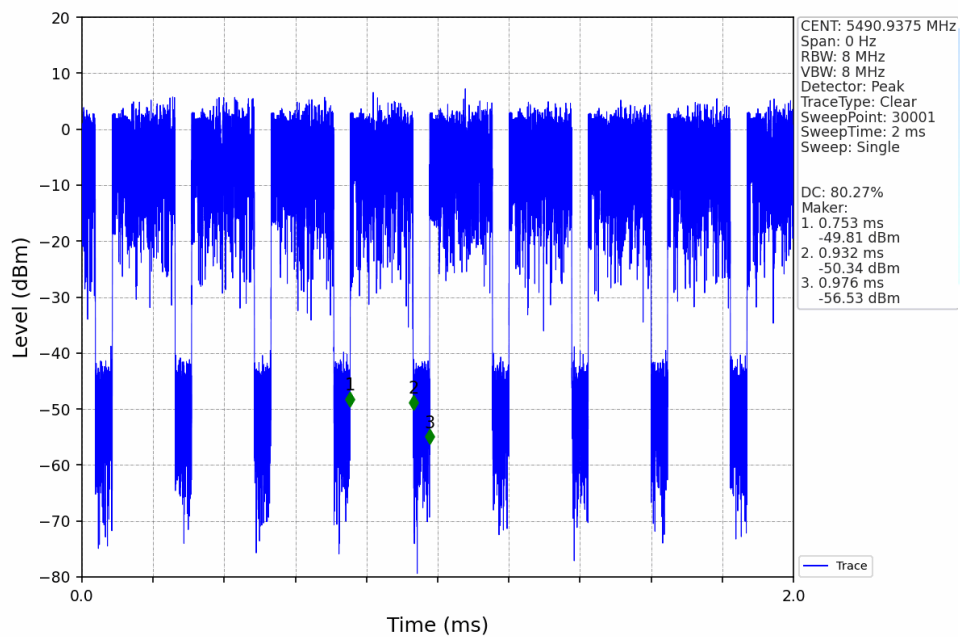
802.11ax(HEW40)_MCH_5550MHz_SU_ / Ant1_NTNV

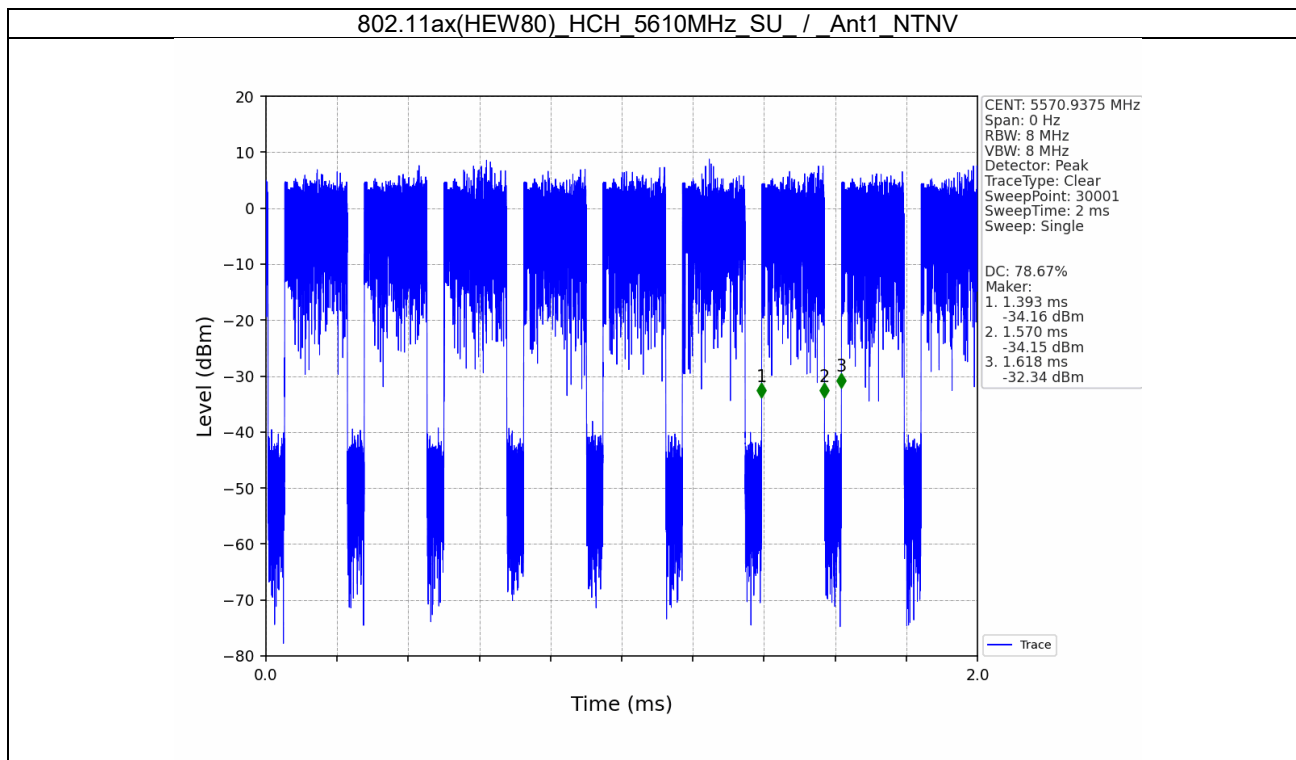


802.11ax(HEW40)_HCH_5670MHz_SU_ / Ant1_NTNV



802.11ax(HEW80)_LCH_5530MHz_SU_ / Ant1_NTNV





2. Bandwidth

2.1 Test Result

2.1.1 OBW

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	99% Occupied Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	SISO	5500	/	/	1	17.326	/	Pass
		5580	/	/	1	17.822	/	Pass
		5700	/	/	1	17.359	/	Pass
802.11n (HT20)	SISO	5500	/	/	1	18.288	/	Pass
		5580	/	/	1	18.552	/	Pass
		5700	/	/	1	18.316	/	Pass
802.11n (HT40)	SISO	5510	/	/	1	36.369	/	Pass
		5550	/	/	1	36.354	/	Pass
		5670	/	/	1	36.765	/	Pass
802.11ac (VHT20)	SISO	5500	/	/	1	18.285	/	Pass
		5580	/	/	1	18.581	/	Pass
		5700	/	/	1	18.235	/	Pass
802.11ac (VHT40)	SISO	5510	/	/	1	36.160	/	Pass
		5550	/	/	1	36.269	/	Pass
		5670	/	/	1	36.723	/	Pass
802.11ac (VHT80)	SISO	5530	/	/	1	75.362	/	Pass
		5610	/	/	1	75.762	/	Pass
802.11ax (HEW20)	SISO	5500	SU	/	1	19.078	/	Pass
		5580	SU	/	1	19.184	/	Pass
		5700	SU	/	1	19.005	/	Pass
802.11ax (HEW40)	SISO	5510	SU	/	1	37.716	/	Pass
		5550	SU	/	1	37.713	/	Pass
		5670	SU	/	1	37.993	/	Pass
802.11ax (HEW80)	SISO	5530	SU	/	1	76.780	/	Pass
		5610	SU	/	1	77.111	/	Pass

2.1.2 26dB BW

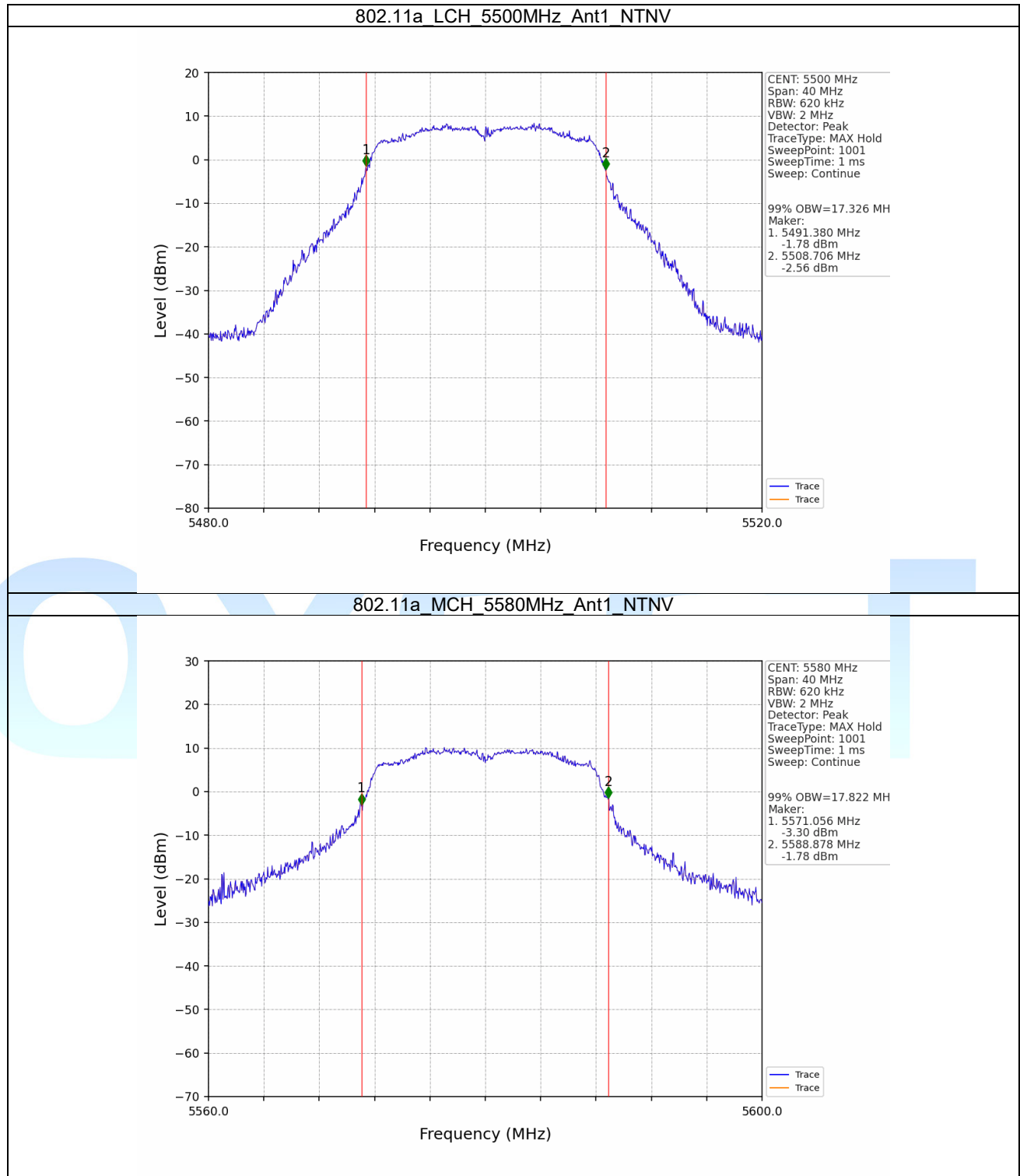
Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	26dB Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	SISO	5500	/	/	1	22.632	/	Pass
		5580	/	/	1	24.168	/	Pass
		5700	/	/	1	22.139	/	Pass
802.11n (HT20)	SISO	5500	/	/	1	22.538	/	Pass
		5580	/	/	1	24.839	/	Pass
		5700	/	/	1	22.169	/	Pass
802.11n (HT40)	SISO	5510	/	/	1	43.414	/	Pass
		5550	/	/	1	41.753	/	Pass
		5670	/	/	1	53.470	/	Pass
802.11ac (VHT20)	SISO	5500	/	/	1	22.662	/	Pass
		5580	/	/	1	24.264	/	Pass
		5700	/	/	1	22.545	/	Pass
802.11ac (VHT40)	SISO	5510	/	/	1	42.820	/	Pass
		5550	/	/	1	42.727	/	Pass
		5670	/	/	1	56.569	/	Pass
802.11ac (VHT80)	SISO	5530	/	/	1	84.611	/	Pass
		5610	/	/	1	85.979	/	Pass
802.11ax	SISO	5500	SU	/	1	22.581	/	Pass

(HEW20)		5580	SU	/	1	25.889	/	Pass
		5700	SU	/	1	22.335	/	Pass
802.11ax (HEW40)	SISO	5510	SU	/	1	42.838	/	Pass
		5550	SU	/	1	42.953	/	Pass
		5670	SU	/	1	45.086	/	Pass
802.11ax (HEW80)	SISO	5530	SU	/	1	82.389	/	Pass
		5610	SU	/	1	81.833	/	Pass

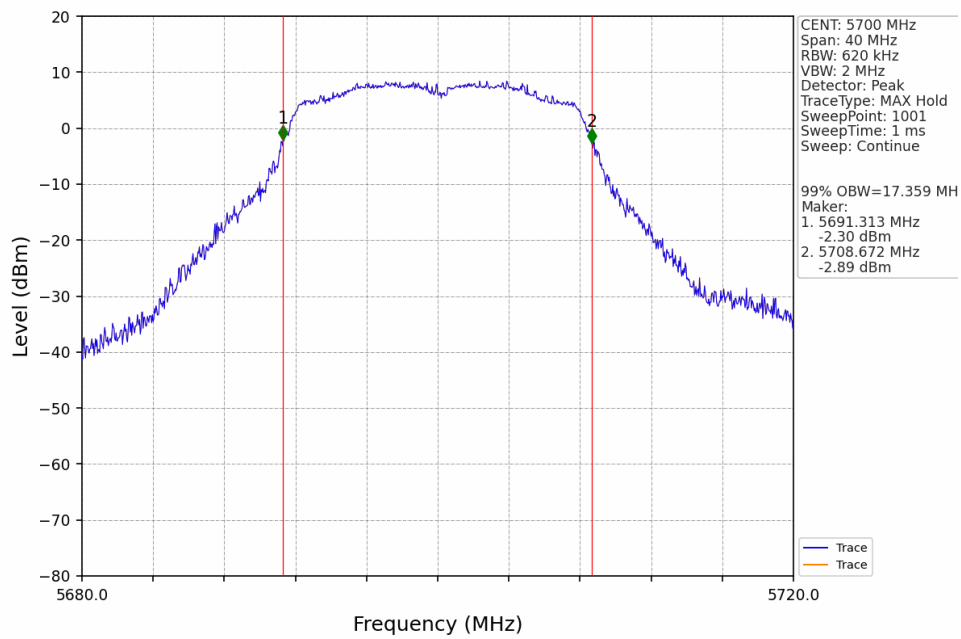


2.2 Test Graph

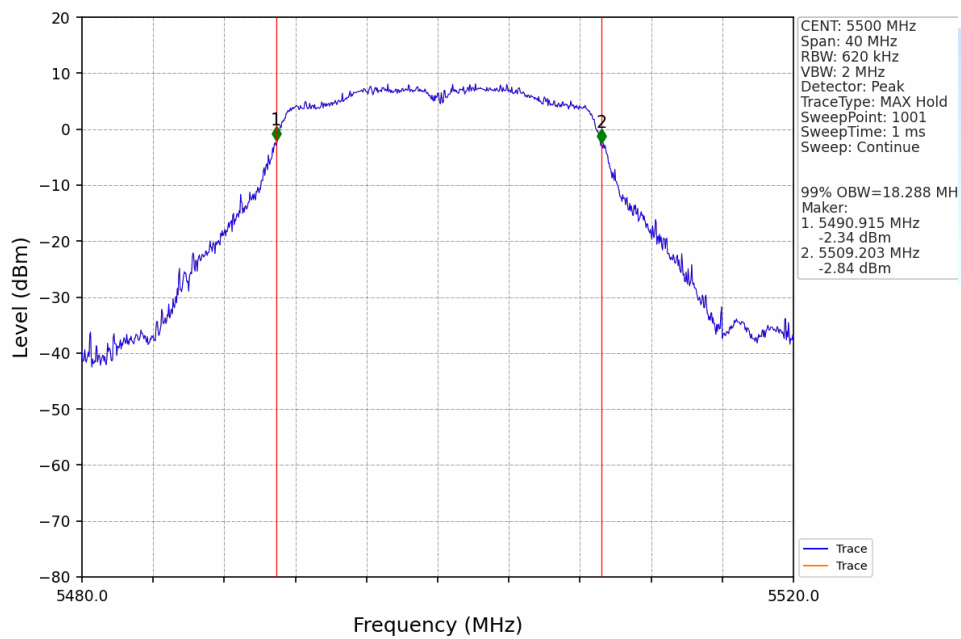
2.2.1 OBW



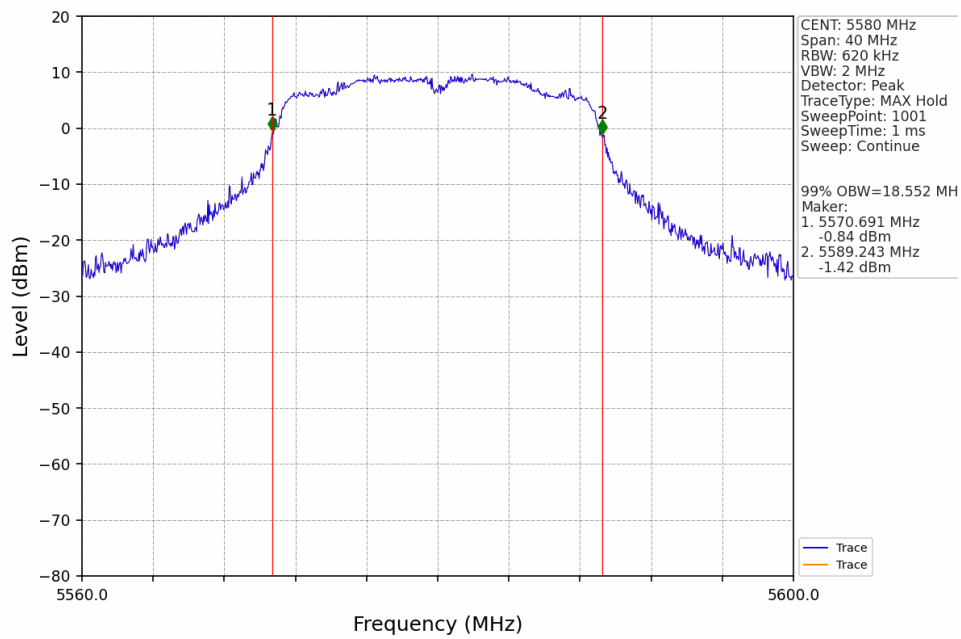
802.11a_HCH_5700MHz_Ant1_NTNV



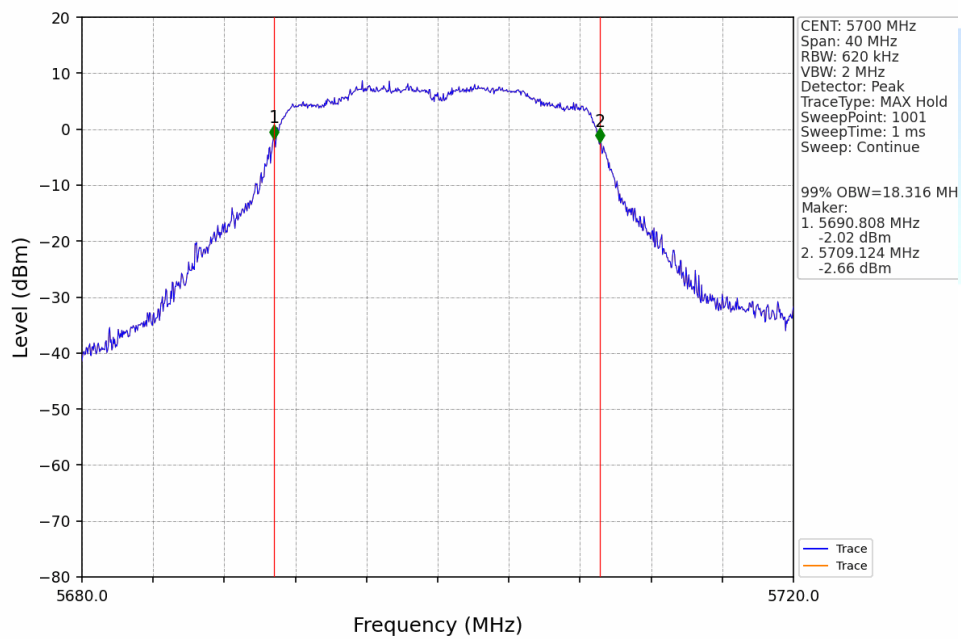
802.11n(HT20)_LCH_5500MHz_Ant1_NTNV



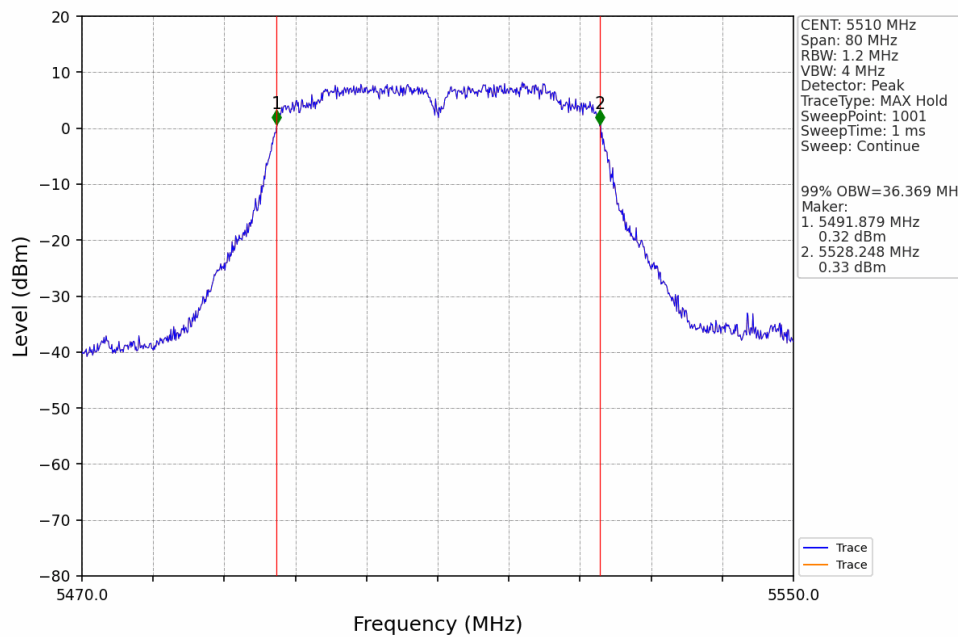
802.11n(HT20)_MCH_5580MHz_Ant1_NTNV



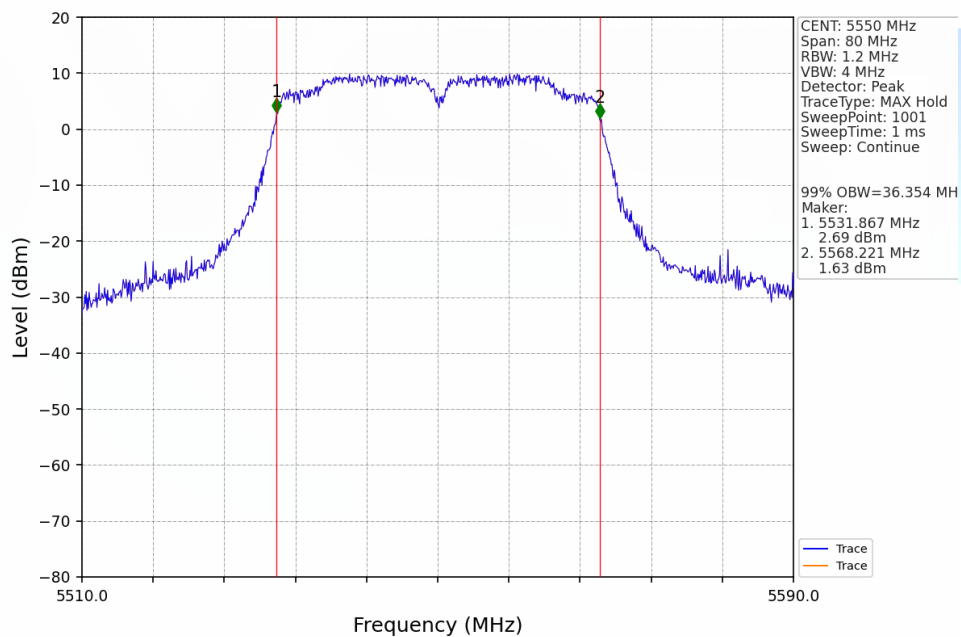
802.11n(HT20)_HCH_5700MHz_Ant1_NTNV



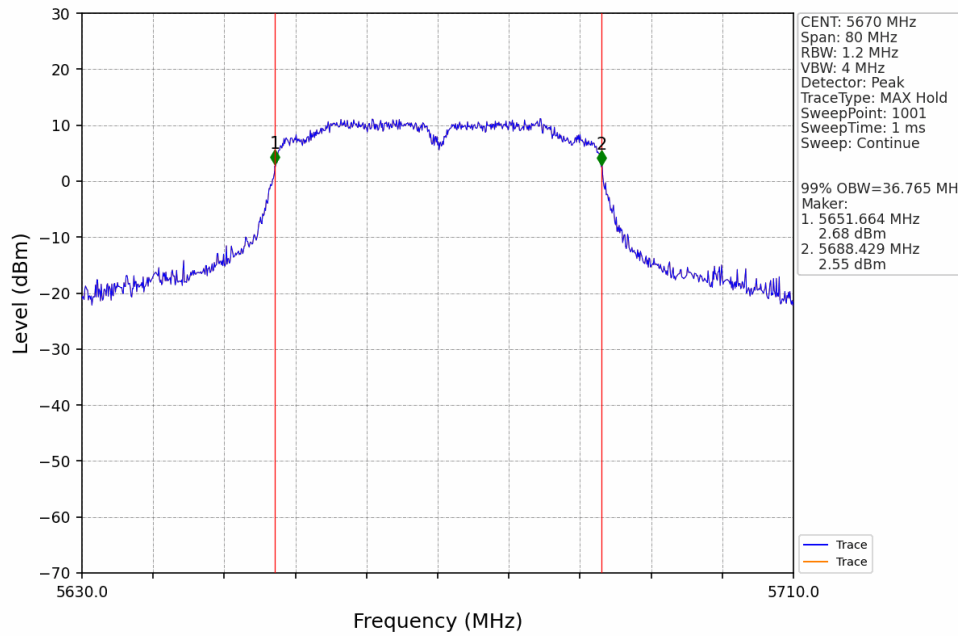
802.11n(HT40) LCH_5510MHz_Ant1_NTNV



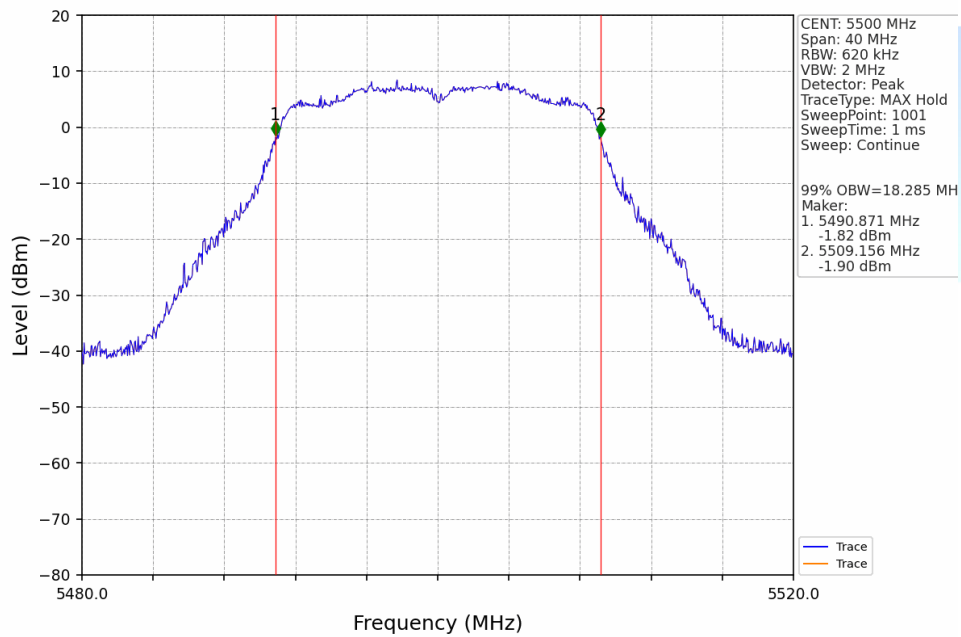
802.11n(HT40) MCH_5550MHz_Ant1_NTNV



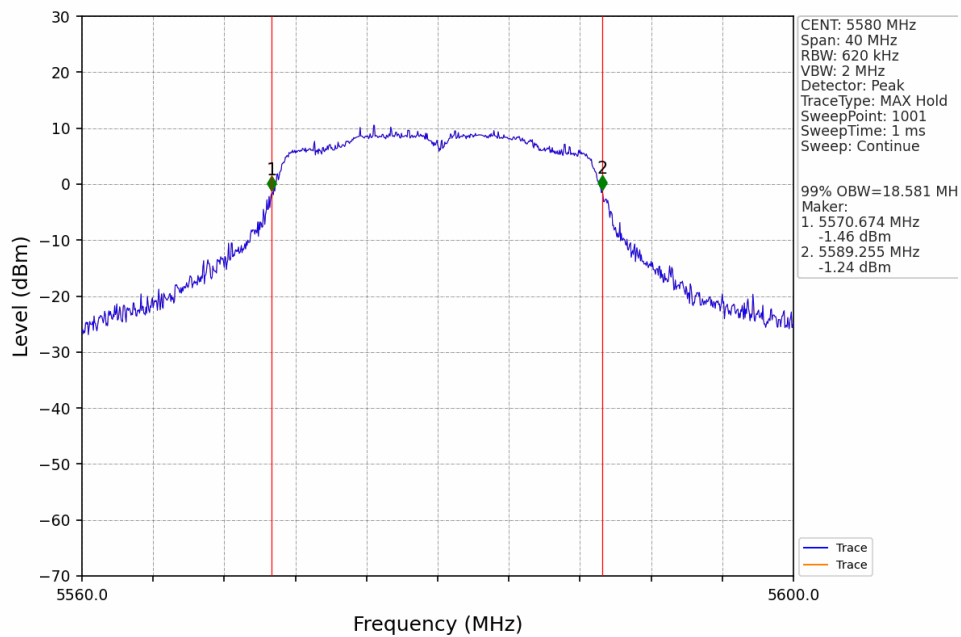
802.11n(HT40) HCH 5670MHz_Ant1_NTNV



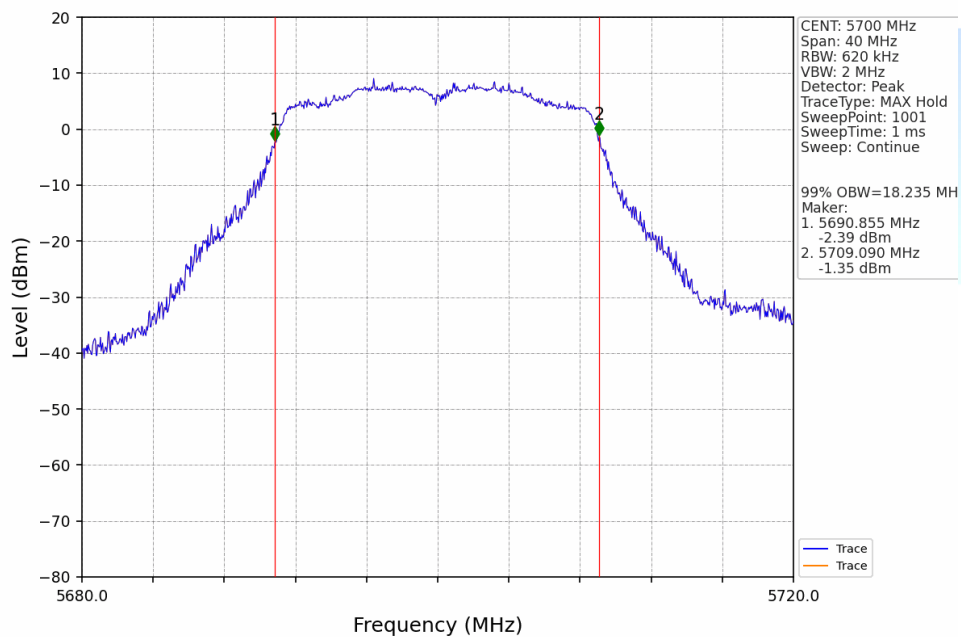
802.11ac(VHT20) LCH 5500MHz_Ant1_NTNV



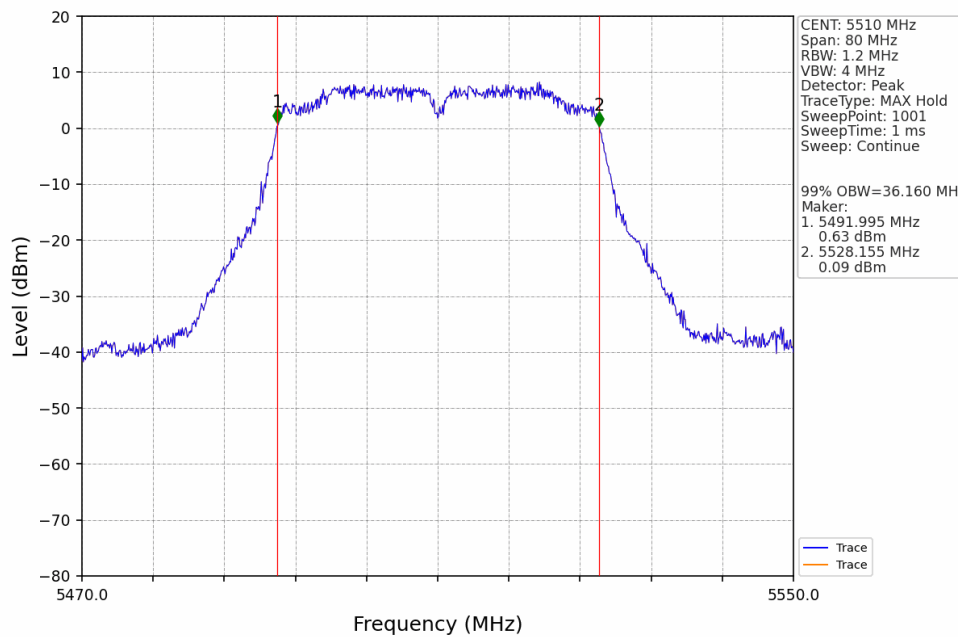
802.11ac(VHT20)_MCH_5580MHz_Ant1_NTNV



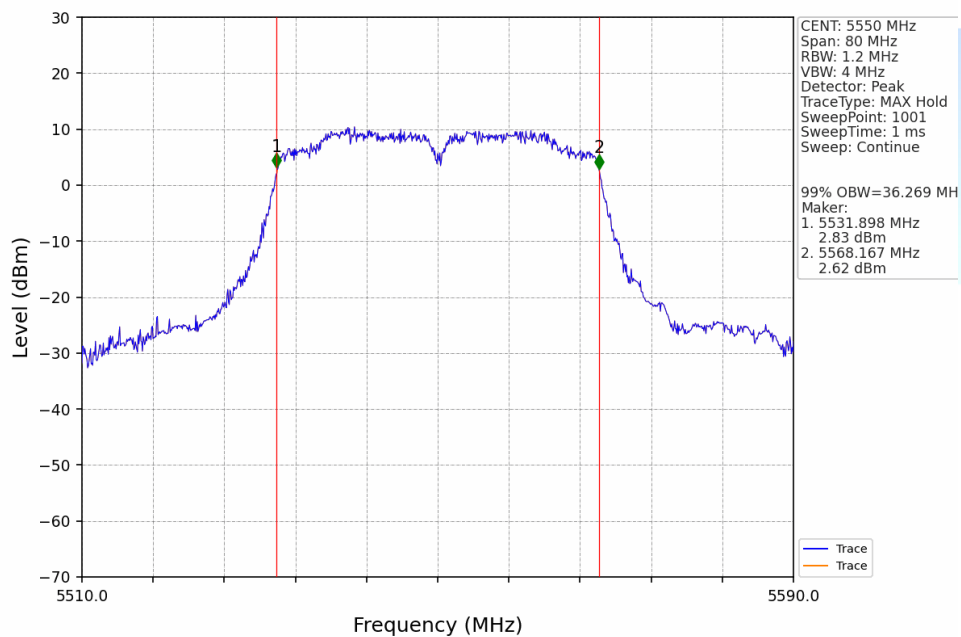
802.11ac(VHT20)_HCH_5700MHz_Ant1_NTNV



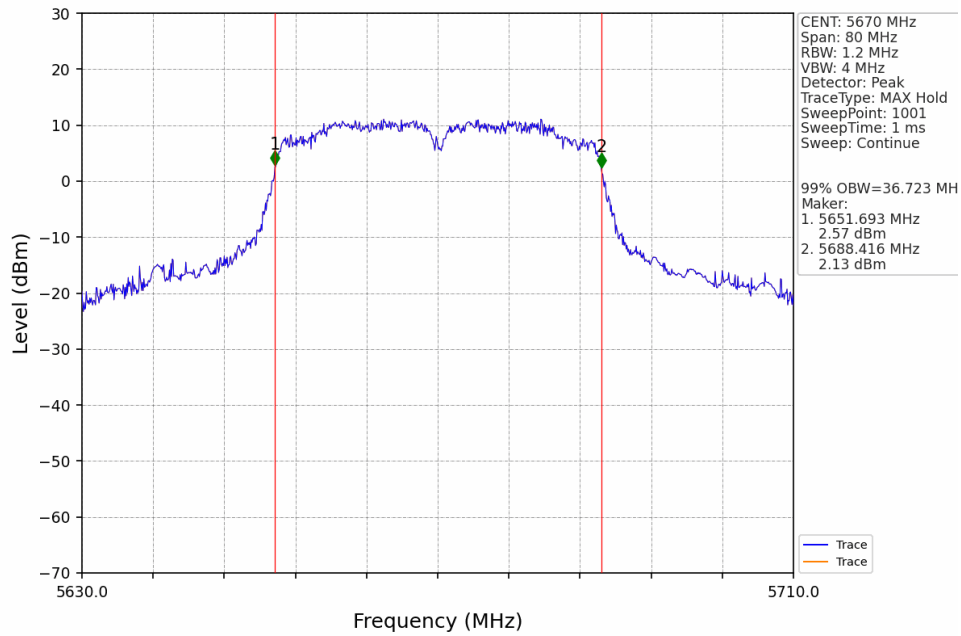
802.11ac(VHT40) LCH_5510MHz_Ant1_NTNV



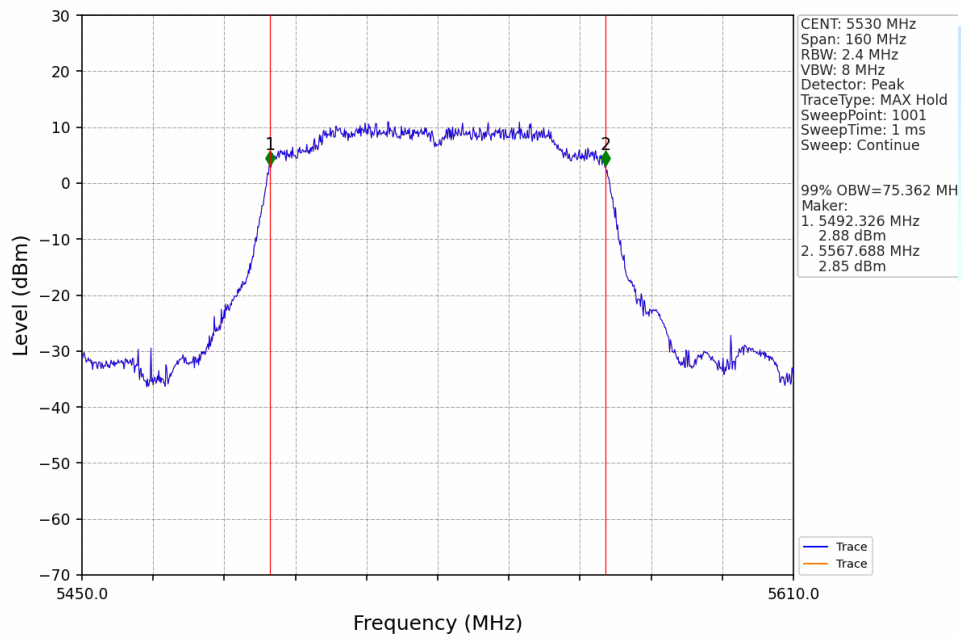
802.11ac(VHT40) MCH_5550MHz_Ant1_NTNV



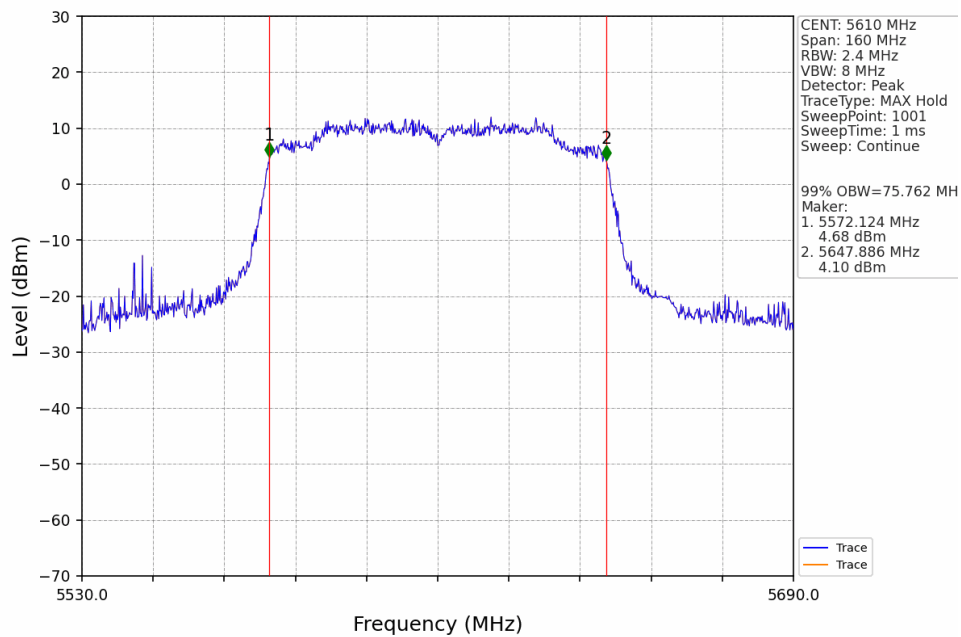
802.11ac(VHT40) HCH_5670MHz_Ant1_NTNV



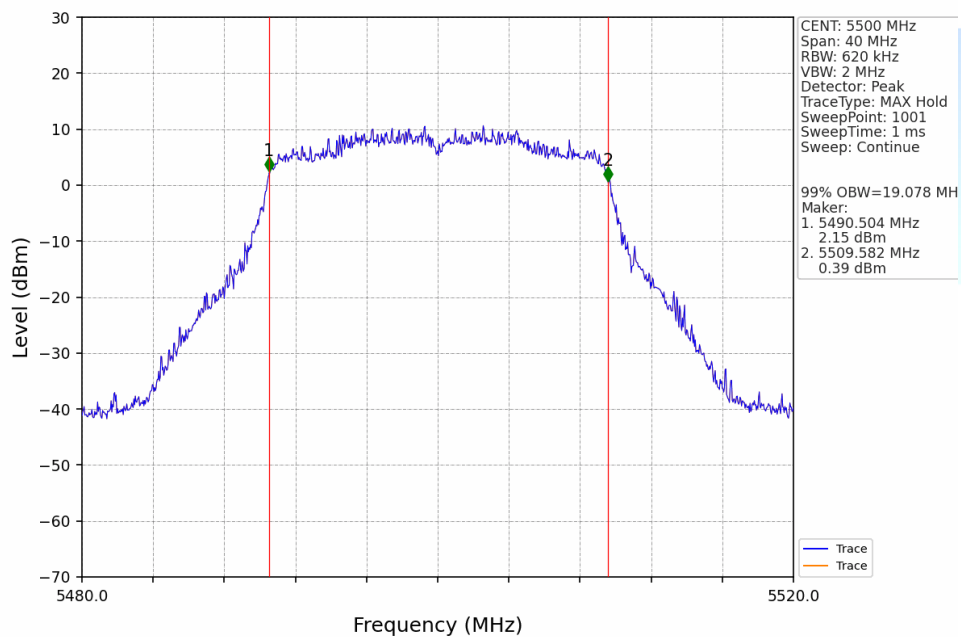
802.11ac(VHT80) LCH_5530MHz_Ant1_NTNV



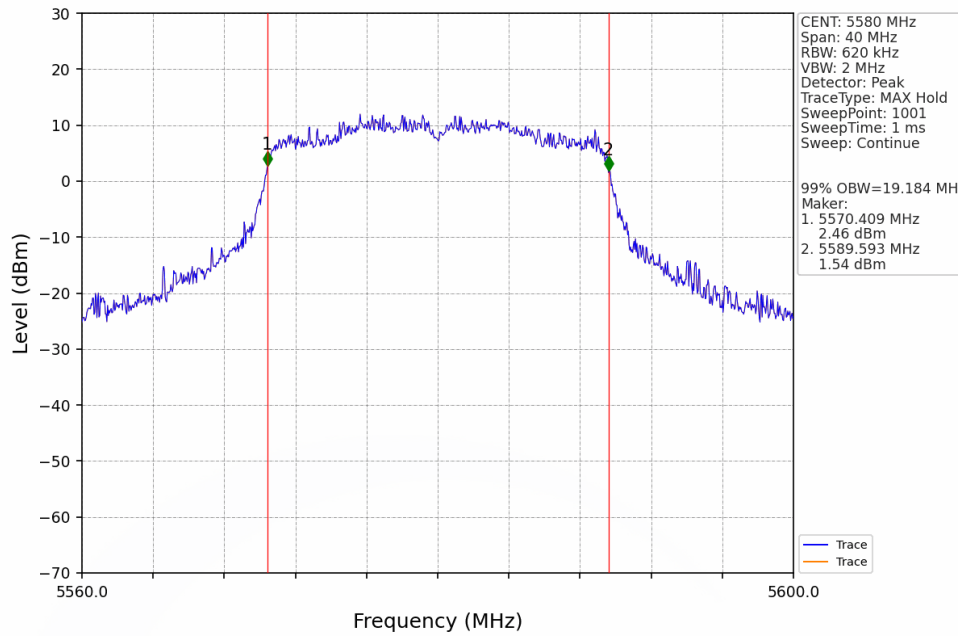
802.11ac(VHT80) HCH_5610MHz_Ant1_NTNV



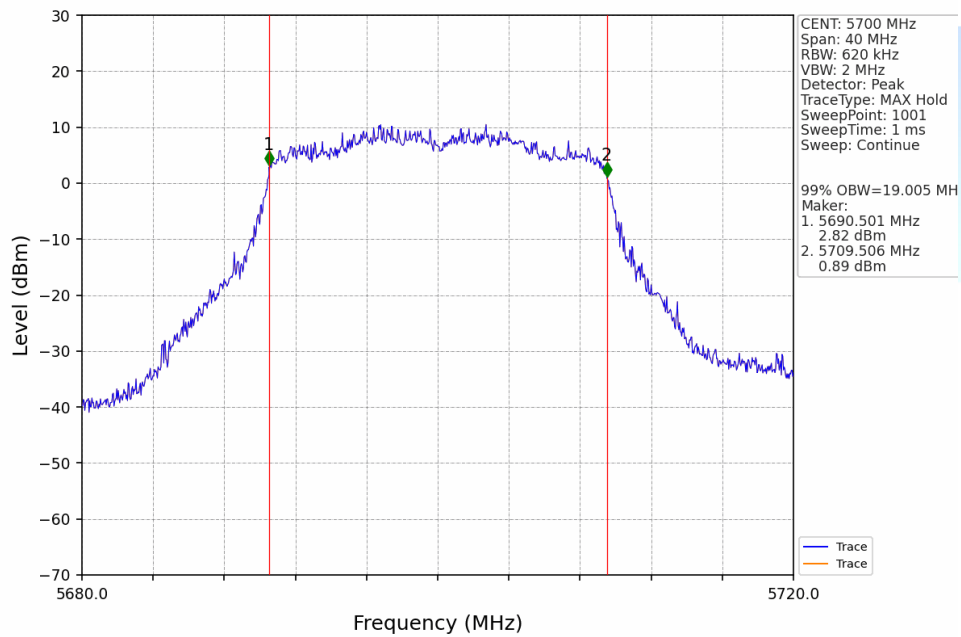
802.11ax(HEW20) LCH_5500MHz_SU_ / Ant1_NTNV



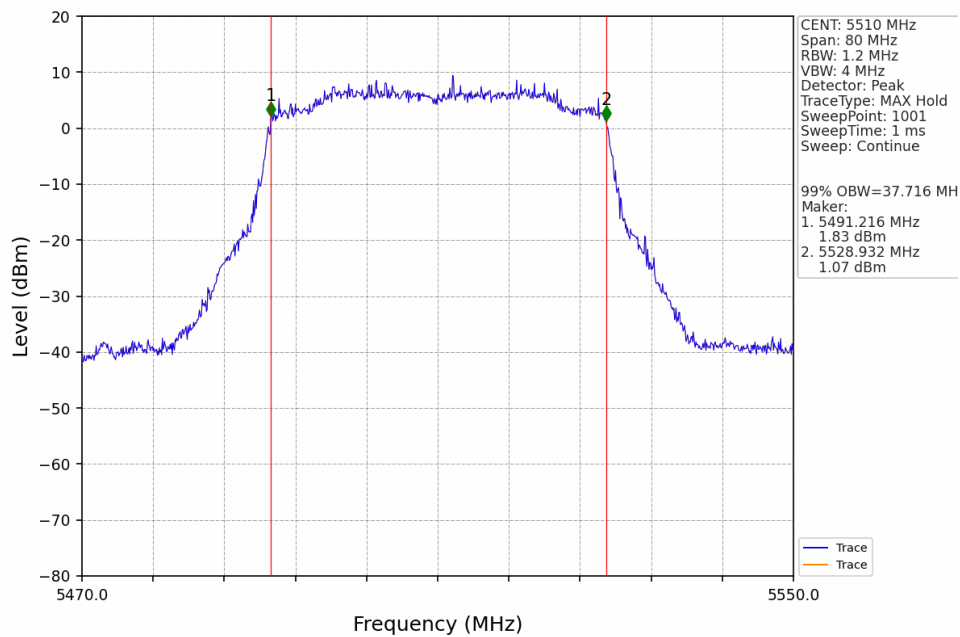
802.11ax(HEW20)_MCH_5580MHz_SU / Ant1_NTNV



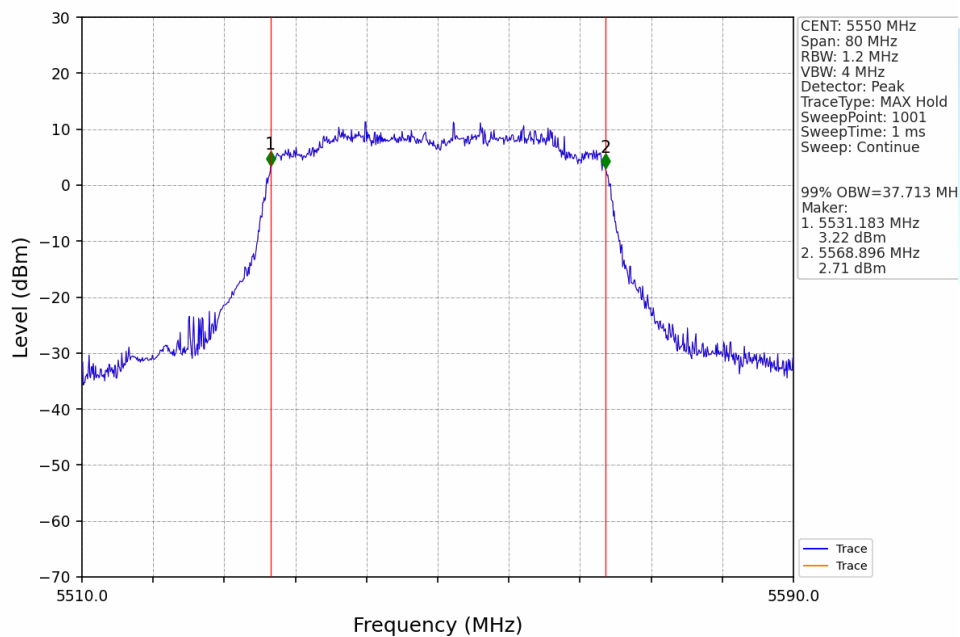
802.11ax(HEW20)_HCH_5700MHz_SU / Ant1_NTNV



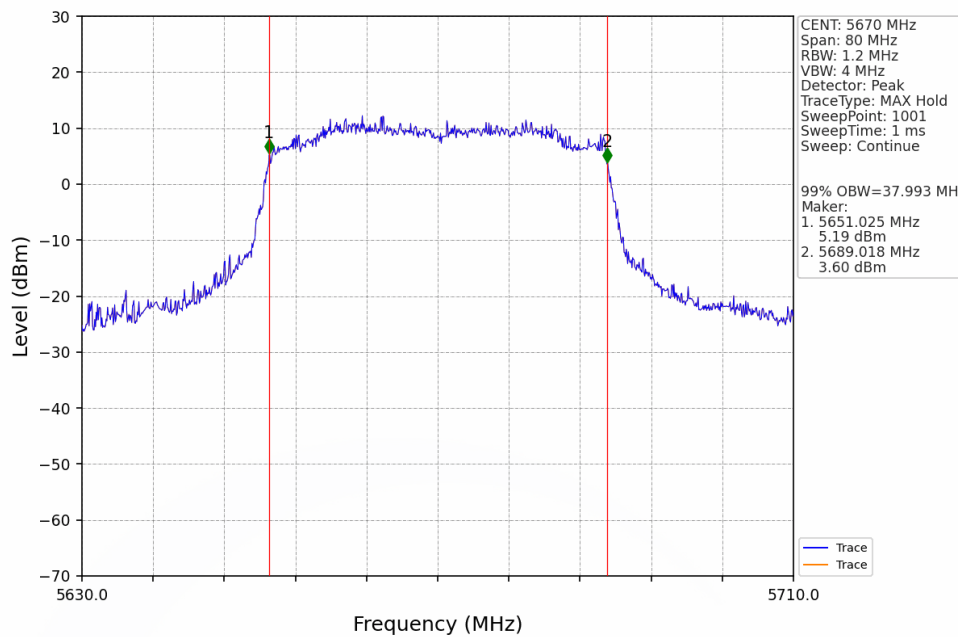
802.11ax(HEW40)_LCH_5510MHz_SU_ / Ant1_NTNV



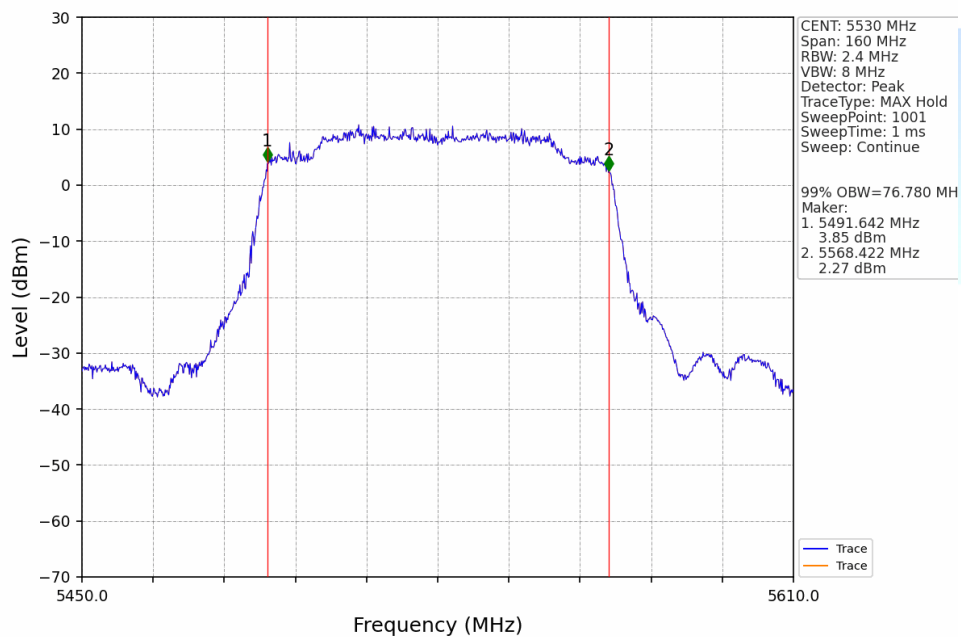
802.11ax(HEW40)_MCH_5550MHz_SU_ / Ant1_NTNV

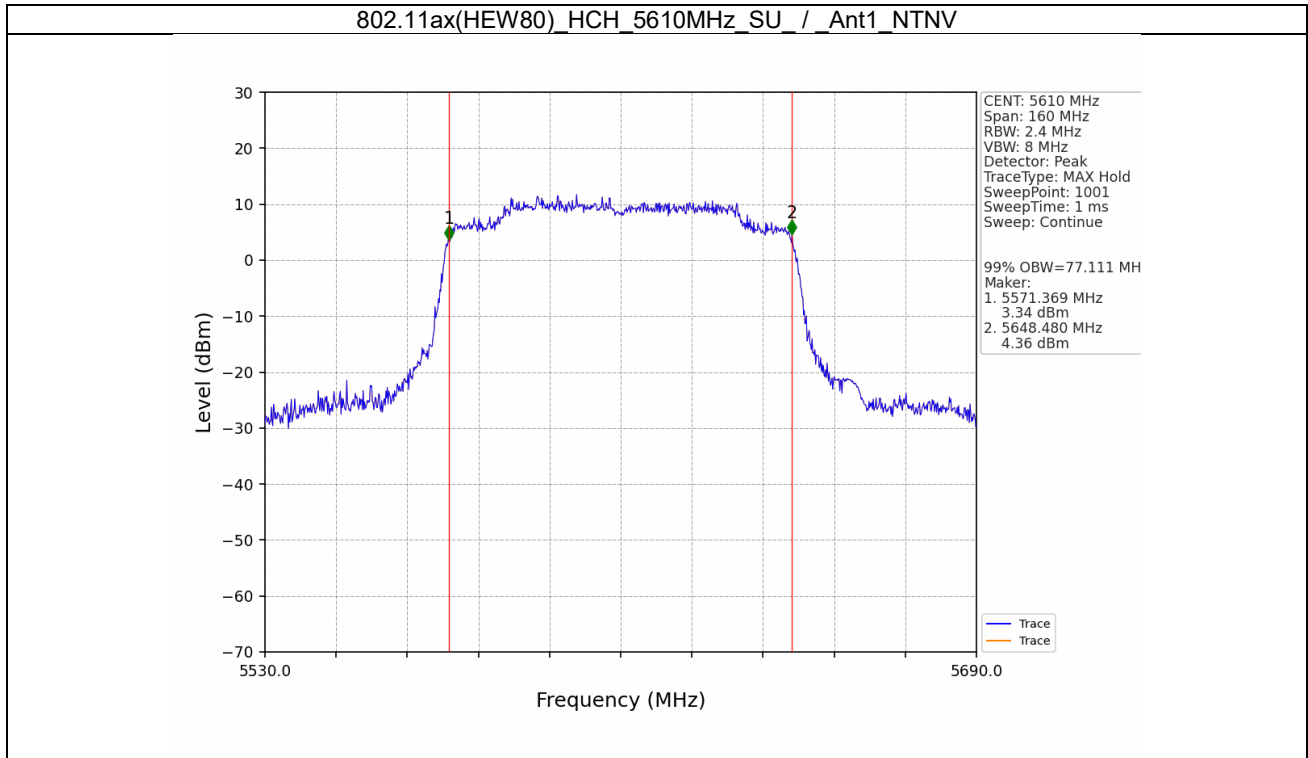


802.11ax(HEW40)_HCH_5670MHz_SU / Ant1_NTNV

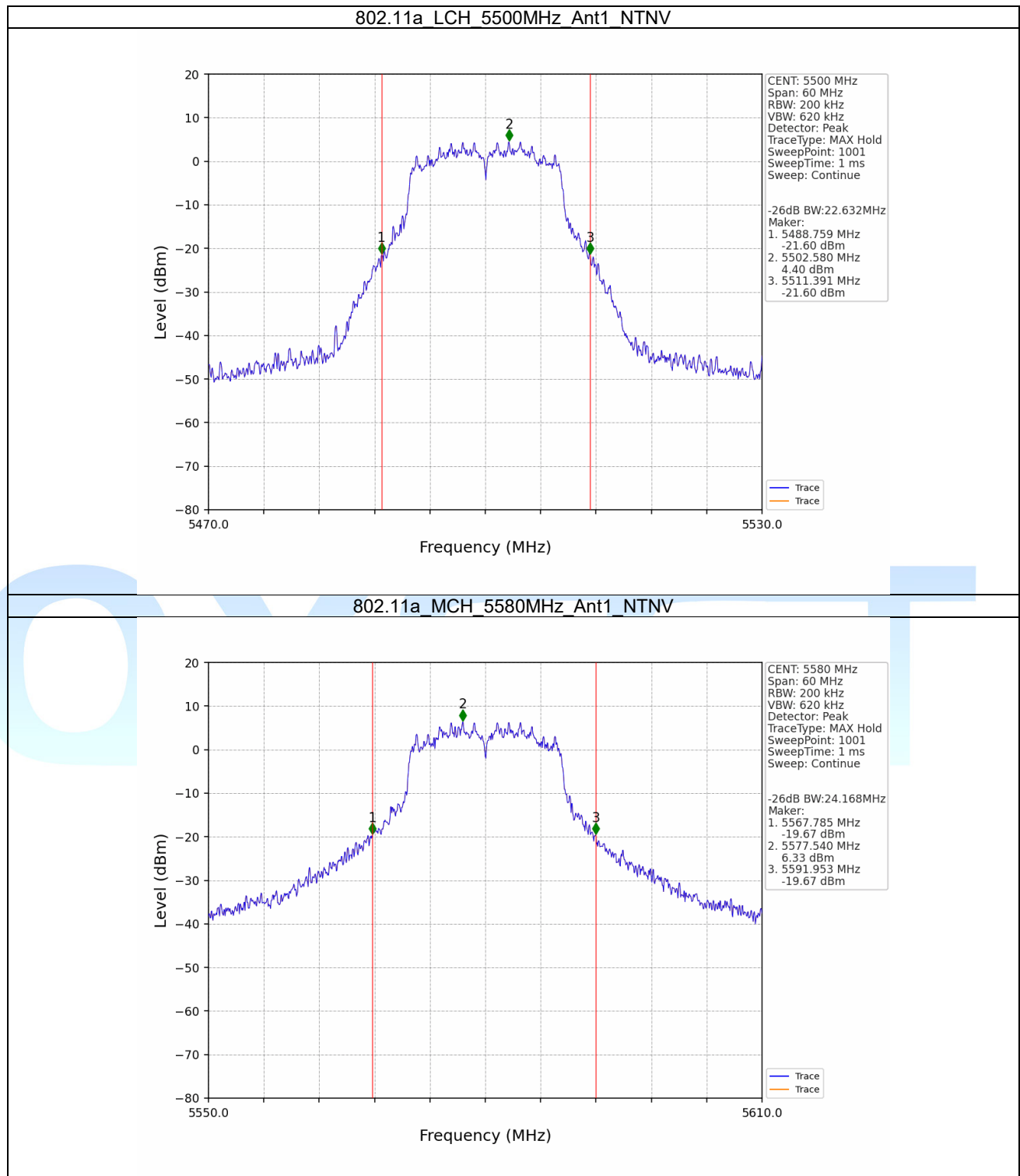


802.11ax(HEW80)_LCH_5530MHz_SU / Ant1_NTNV

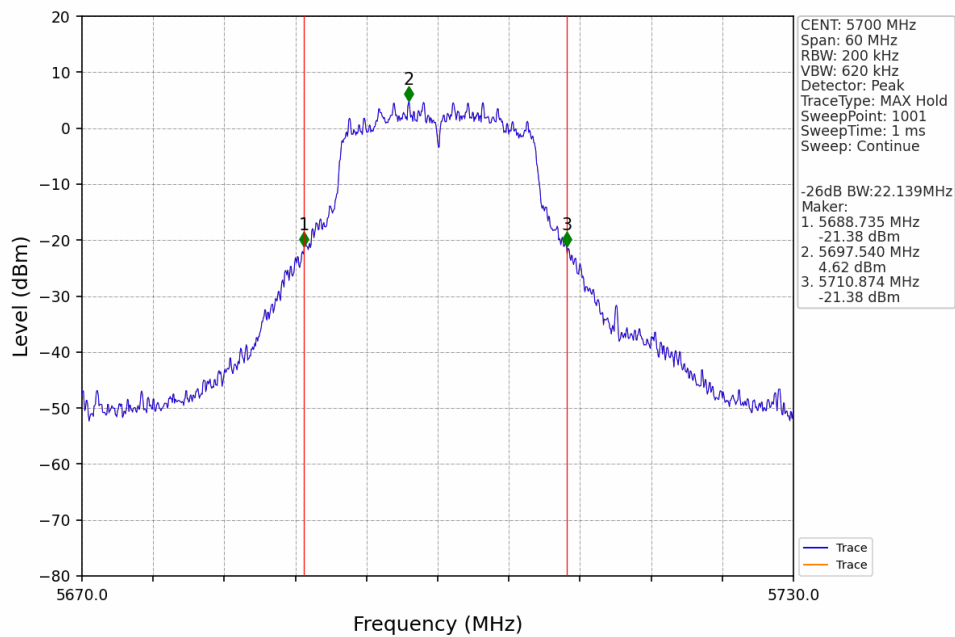




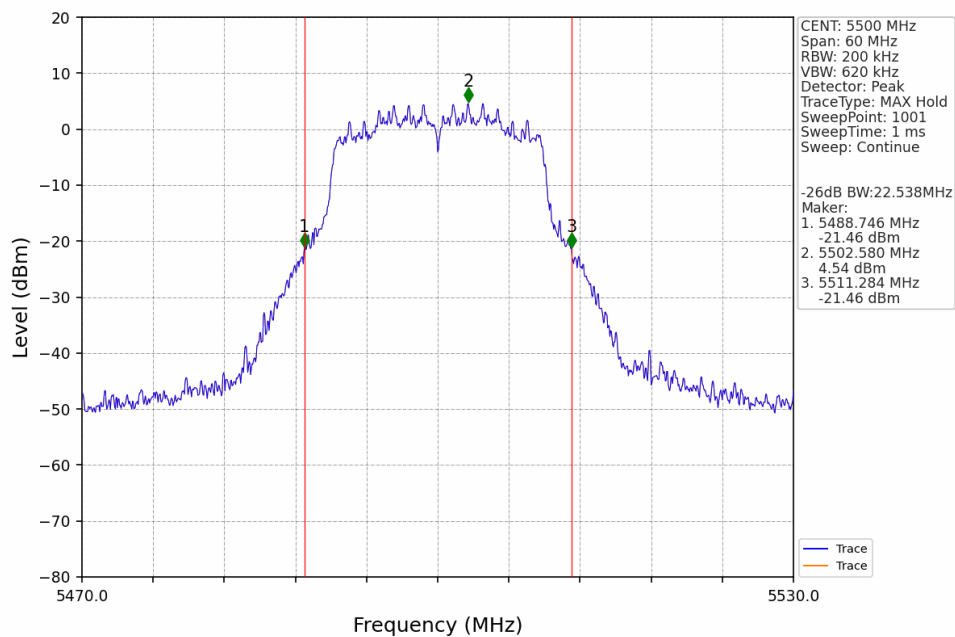
2.2.2 26dB BW



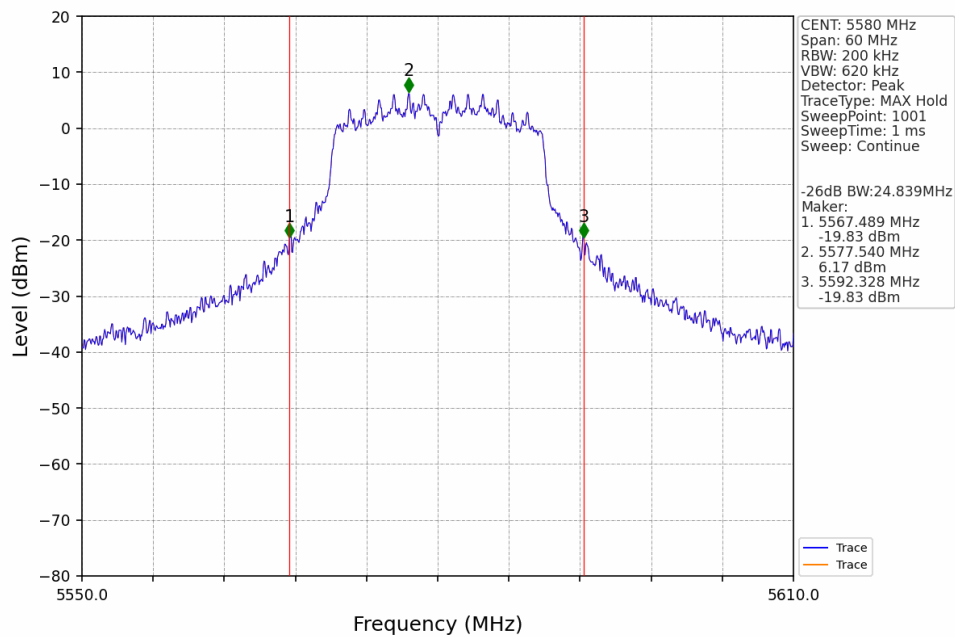
802.11a_HCH_5700MHz_Ant1_NTNV



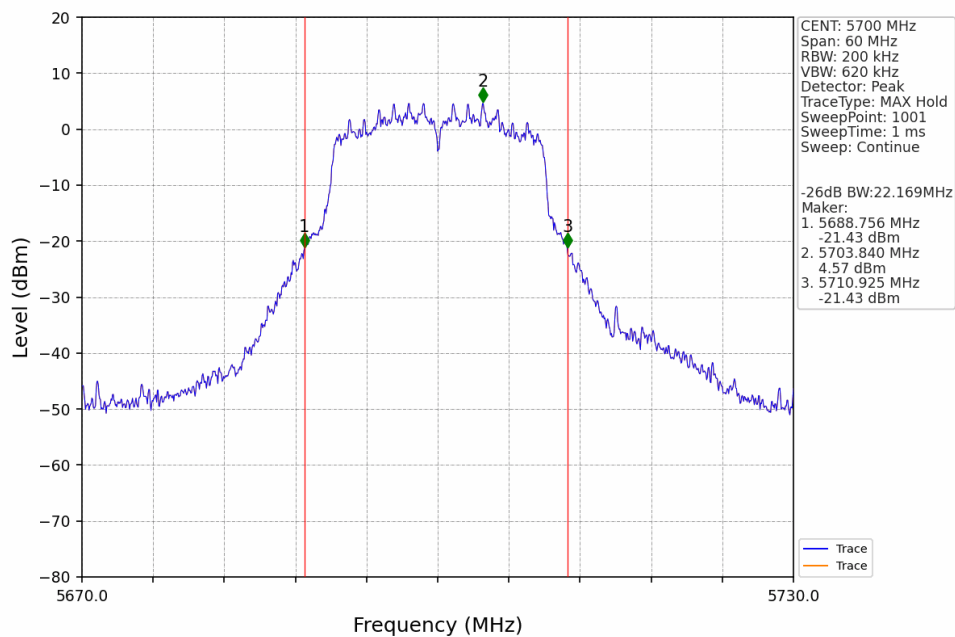
802.11n(HT20)_LCH_5500MHz_Ant1_NTNV



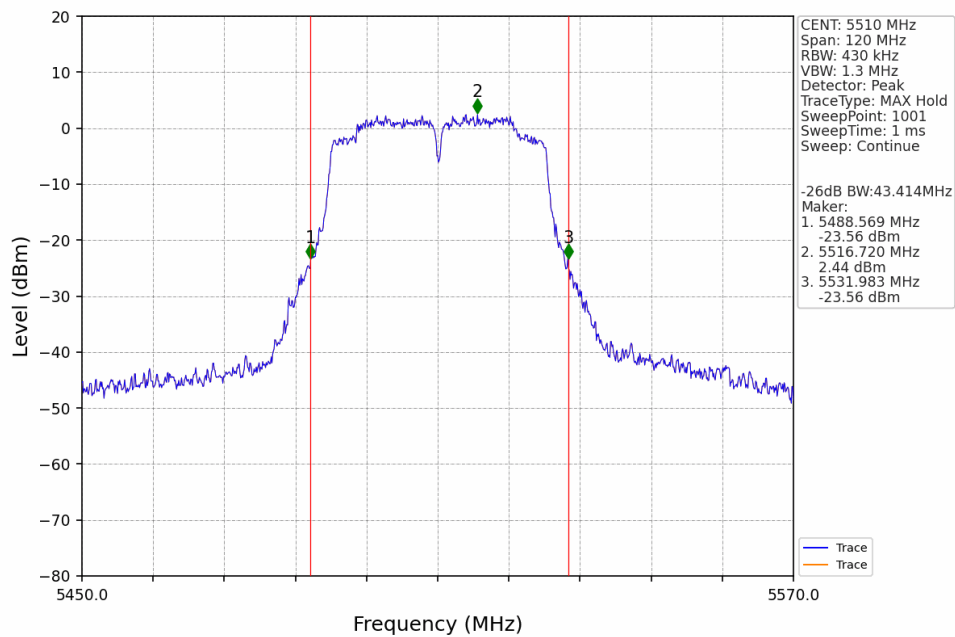
802.11n(HT20) MCH_5580MHz_Ant1_NTNV



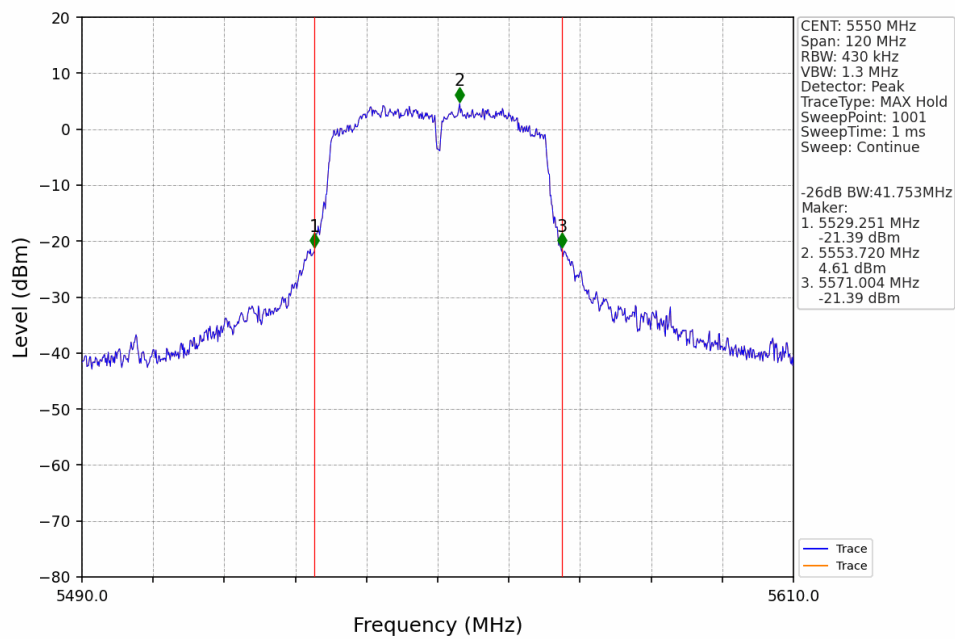
802.11n(HT20) HCH_5700MHz_Ant1_NTNV



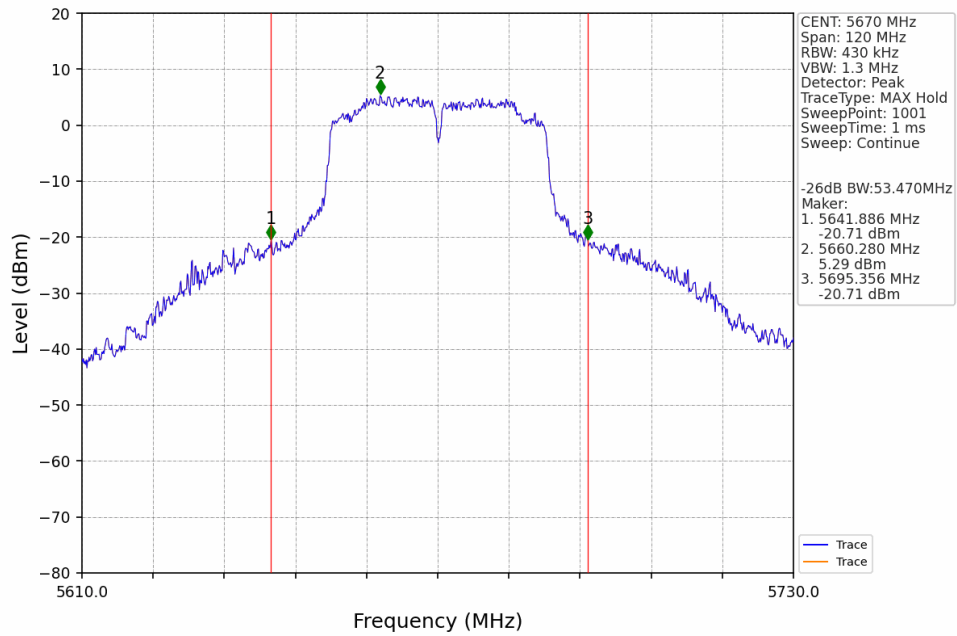
802.11n(HT40) LCH 5510MHz_Ant1_NTNV



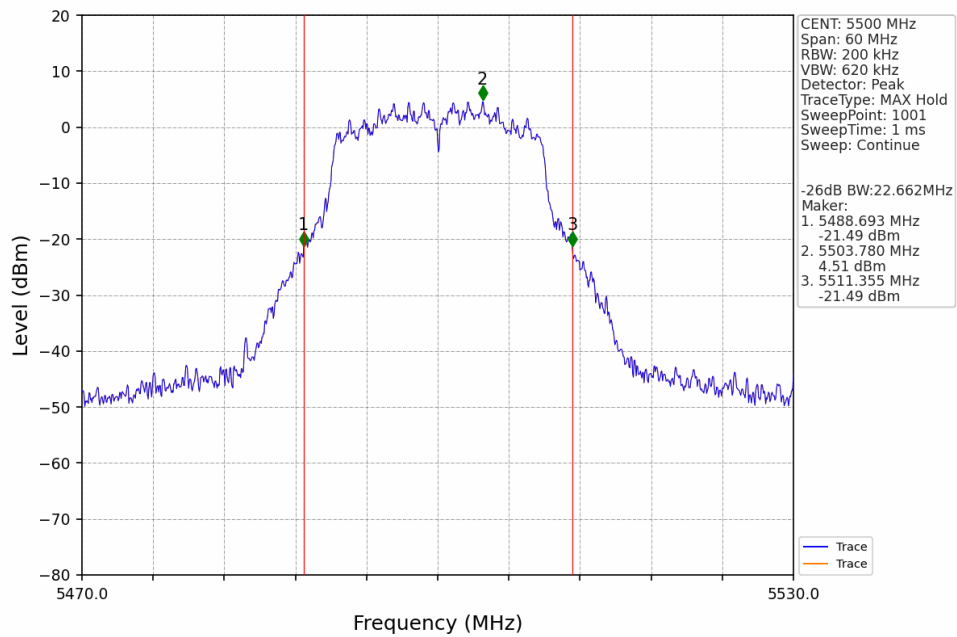
802.11n(HT40) MCH 5550MHz_Ant1_NTNV



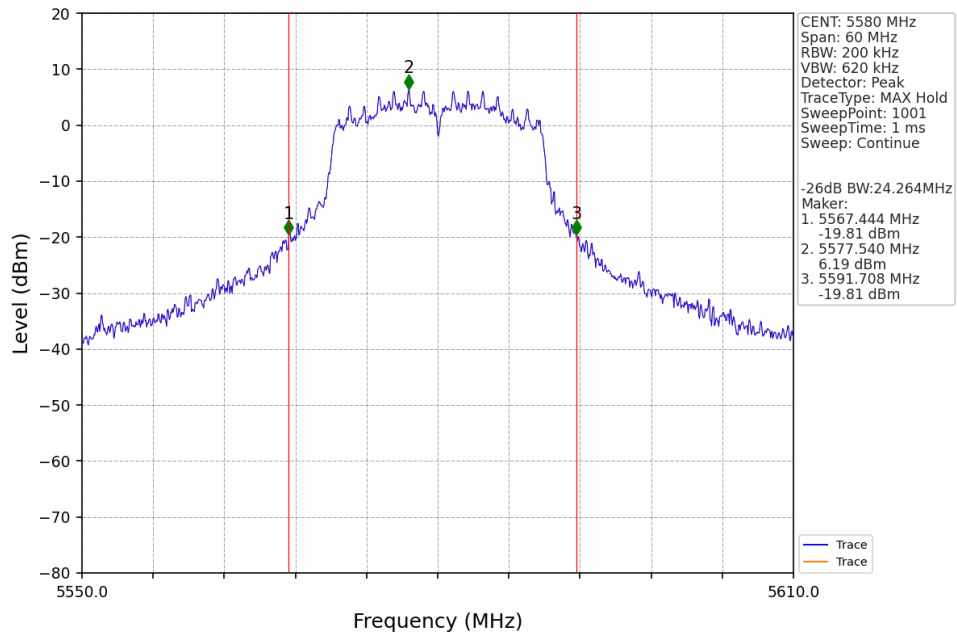
802.11n(HT40) HCH_5670MHz_Ant1_NTNV



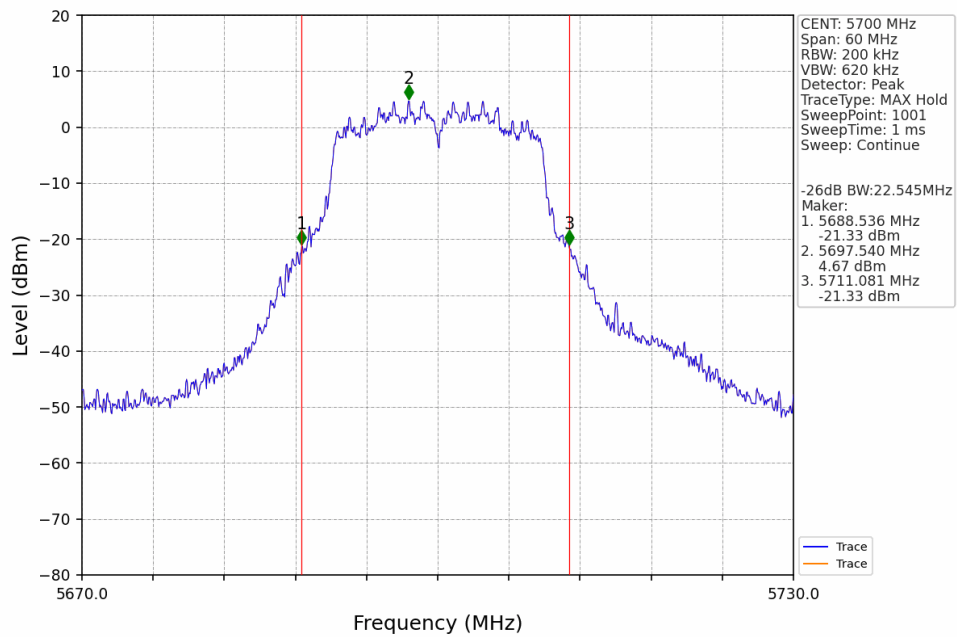
802.11ac(VHT20) LCH_5500MHz_Ant1_NTNV



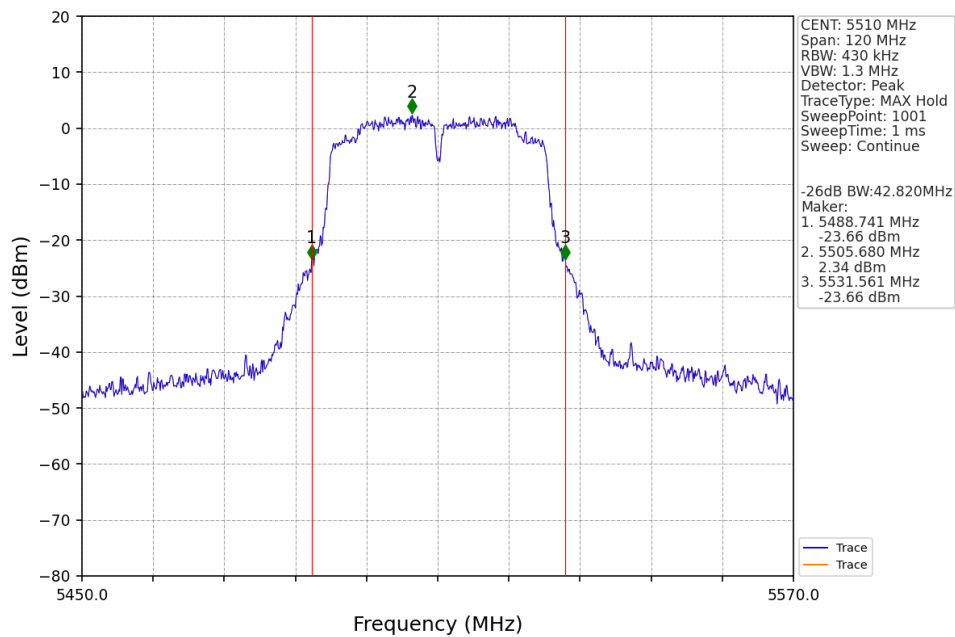
802.11ac(VHT20)_MCH_5580MHz_Ant1_NTNV



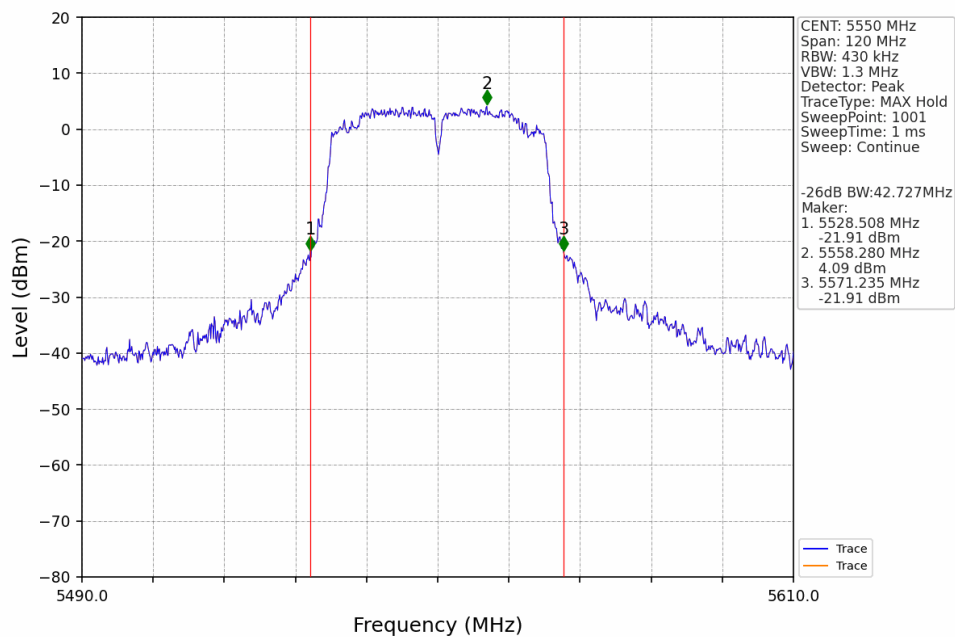
802.11ac(VHT20)_HCH_5700MHz_Ant1_NTNV



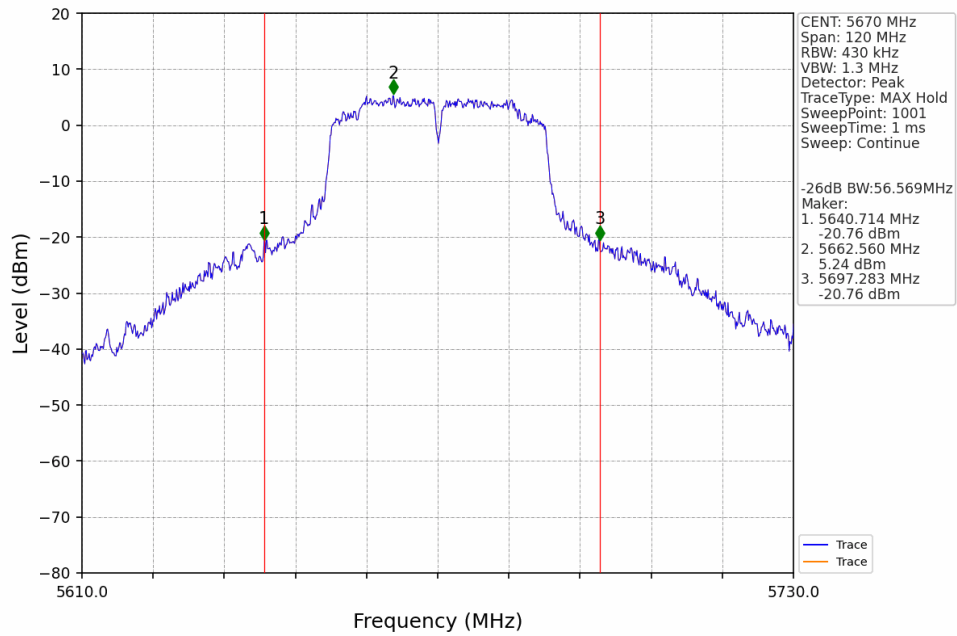
802.11ac(VHT40) LCH_5510MHz_Ant1_NTNV



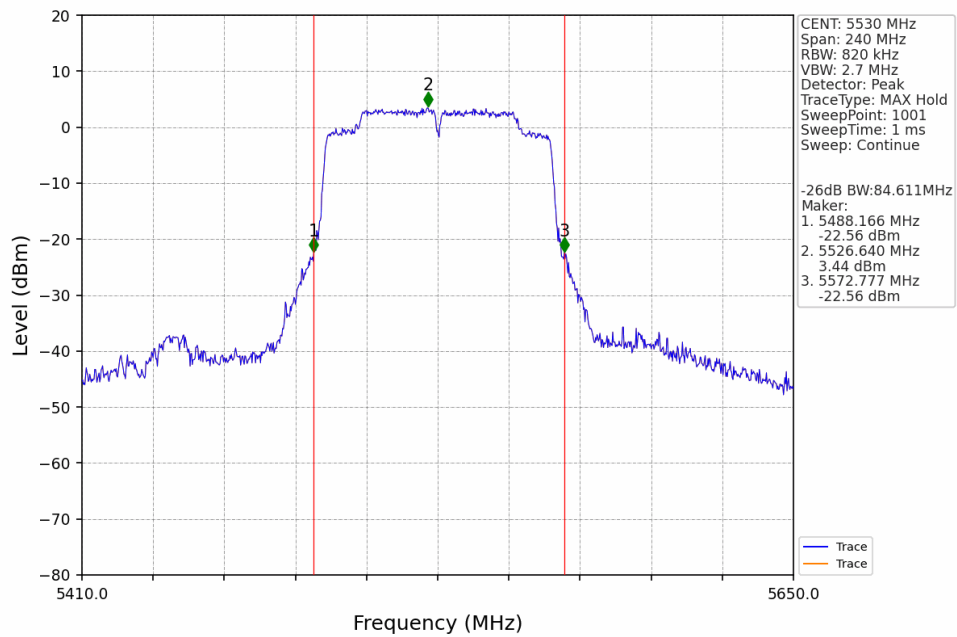
802.11ac(VHT40) MCH_5550MHz_Ant1_NTNV



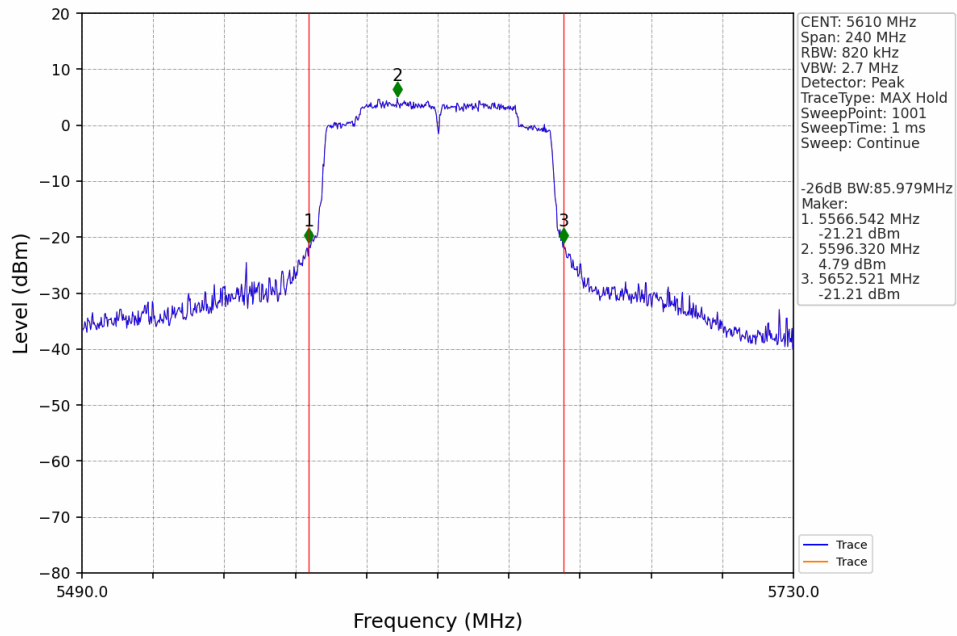
802.11ac(VHT40) HCH_5670MHz_Ant1_NTNV



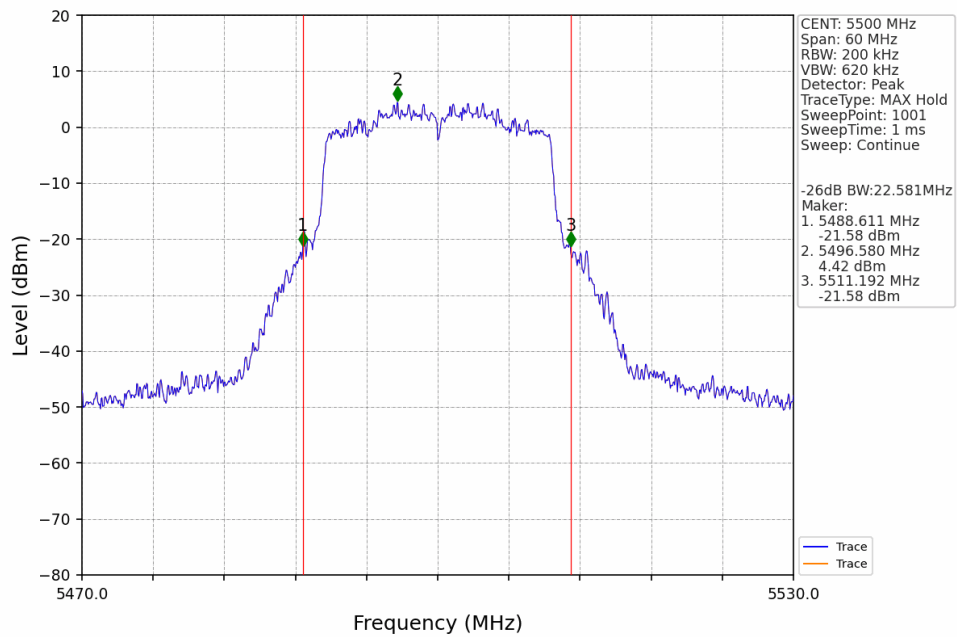
802.11ac(VHT80) LCH_5530MHz_Ant1_NTNV



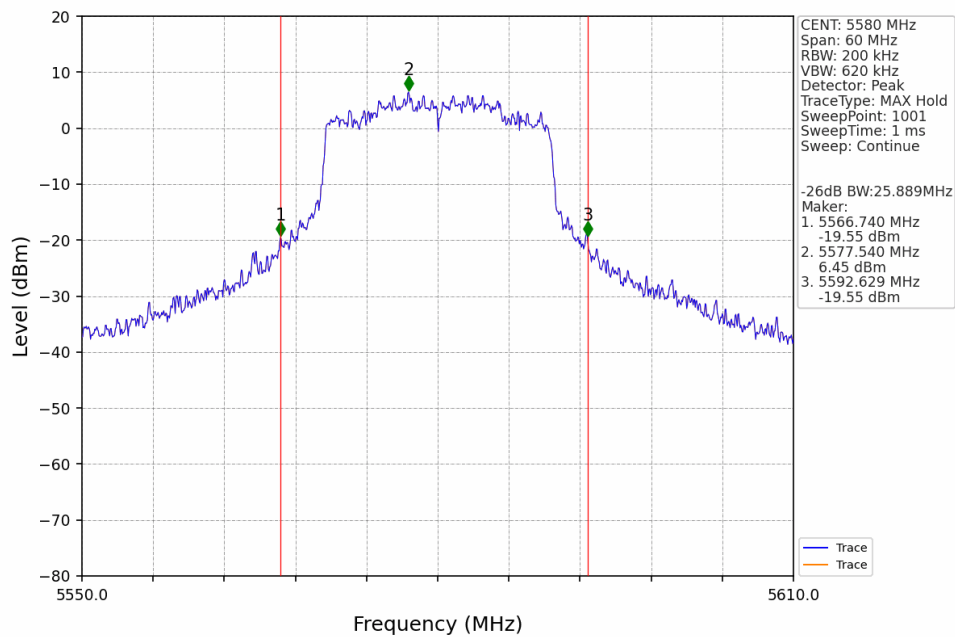
802.11ac(VHT80) HCH_5610MHz_Ant1_NTNV



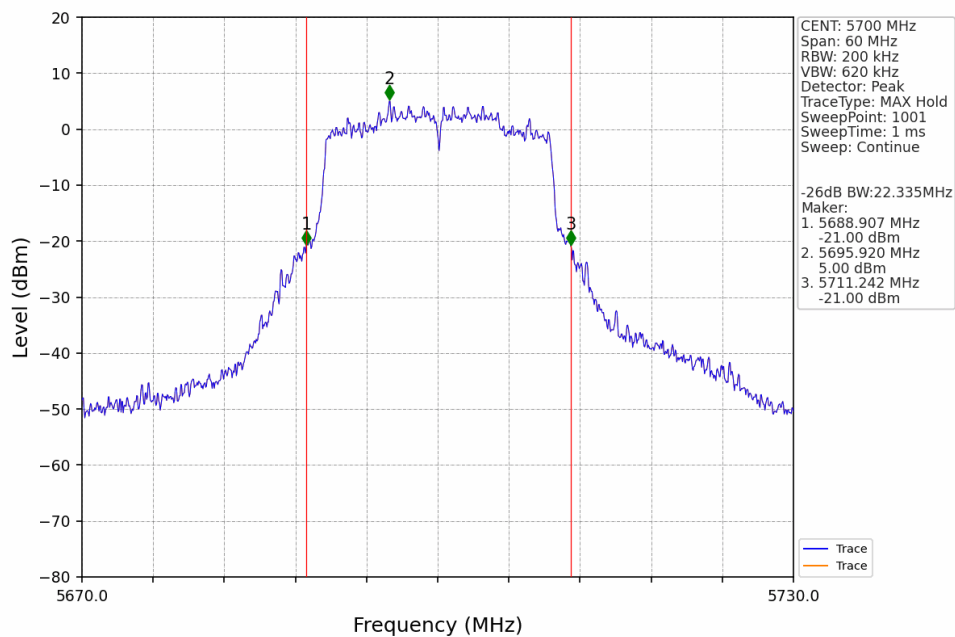
802.11ax(HEW20) LCH_5500MHz_SU_ / Ant1_NTNV



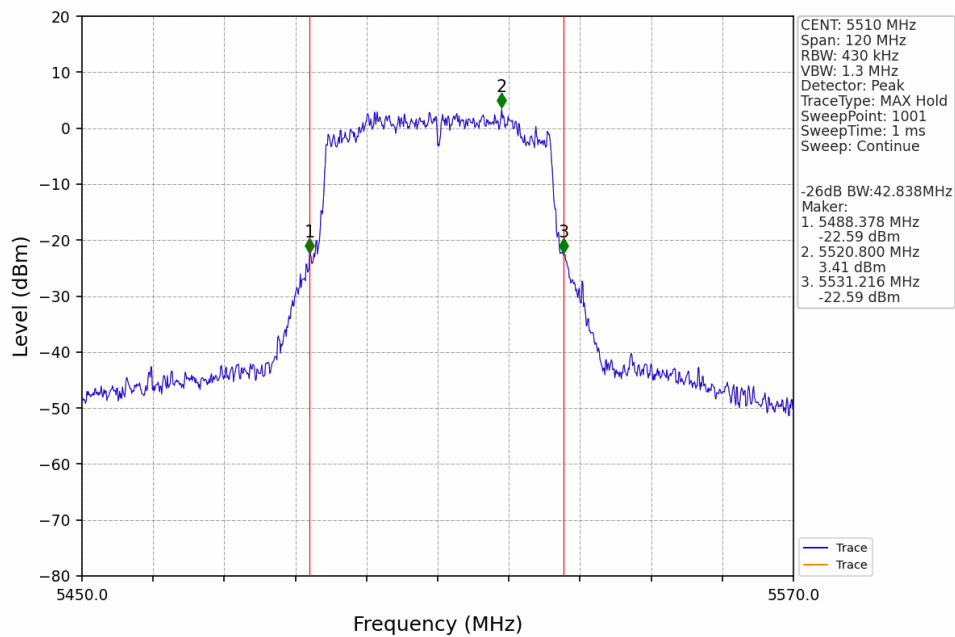
802.11ax(HEW20)_MCH_5580MHz_SU / Ant1_NTNV



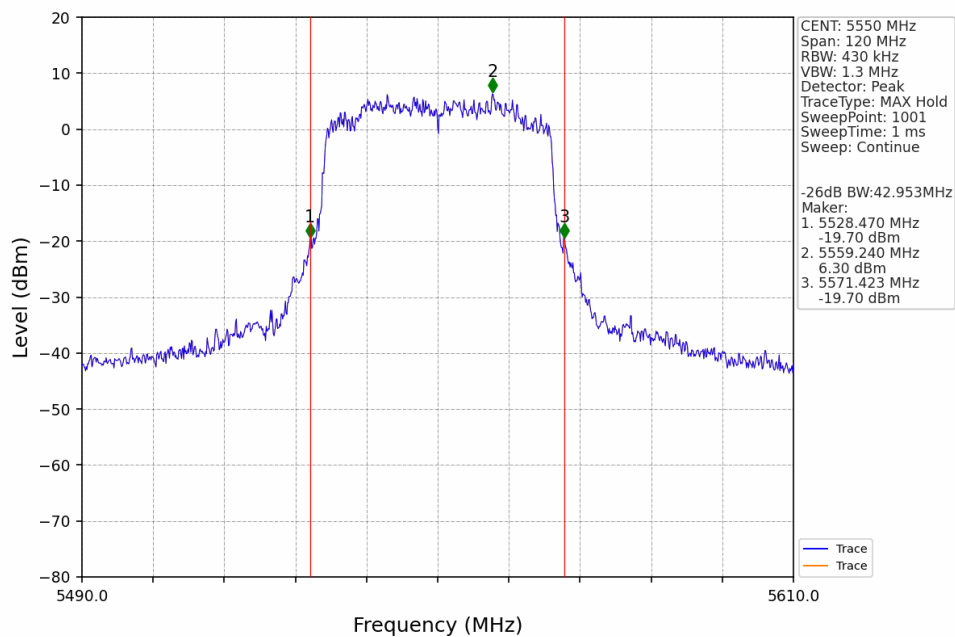
802.11ax(HEW20)_HCH_5700MHz_SU / Ant1_NTNV



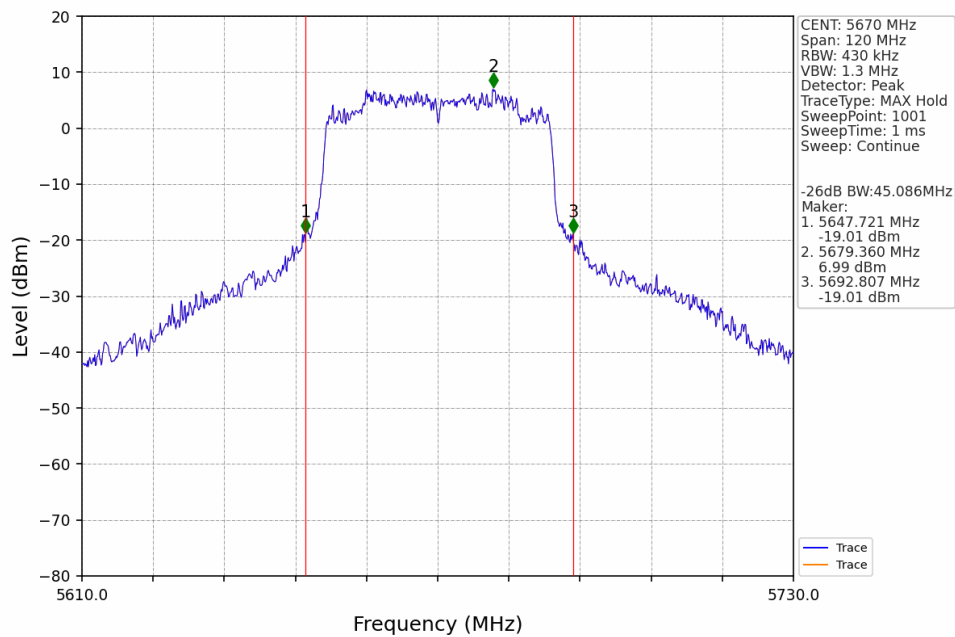
802.11ax(HEW40)_LCH_5510MHz_SU_ / Ant1_NTNV



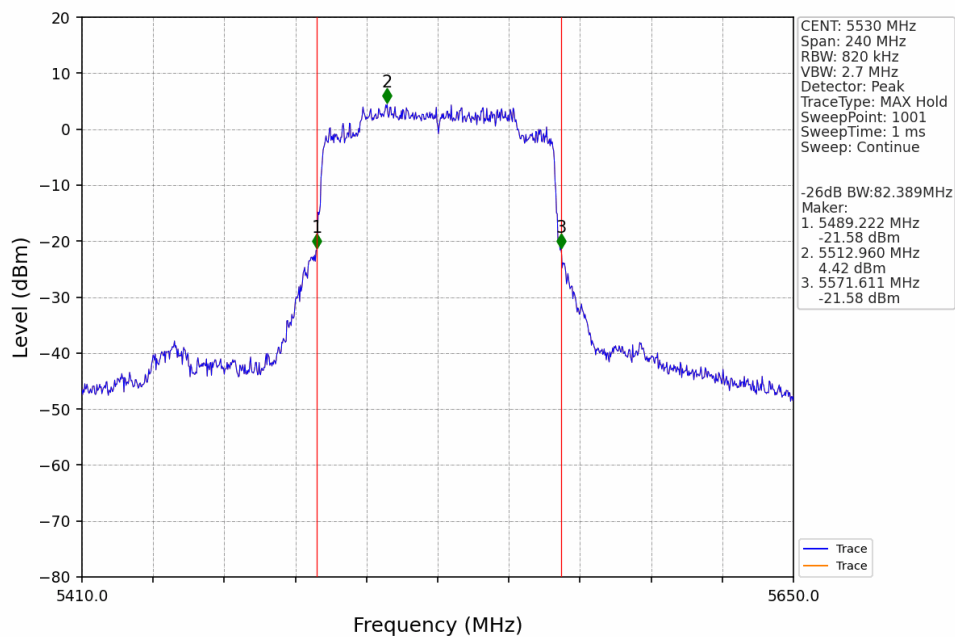
802.11ax(HEW40)_MCH_5550MHz_SU_ / Ant1_NTNV

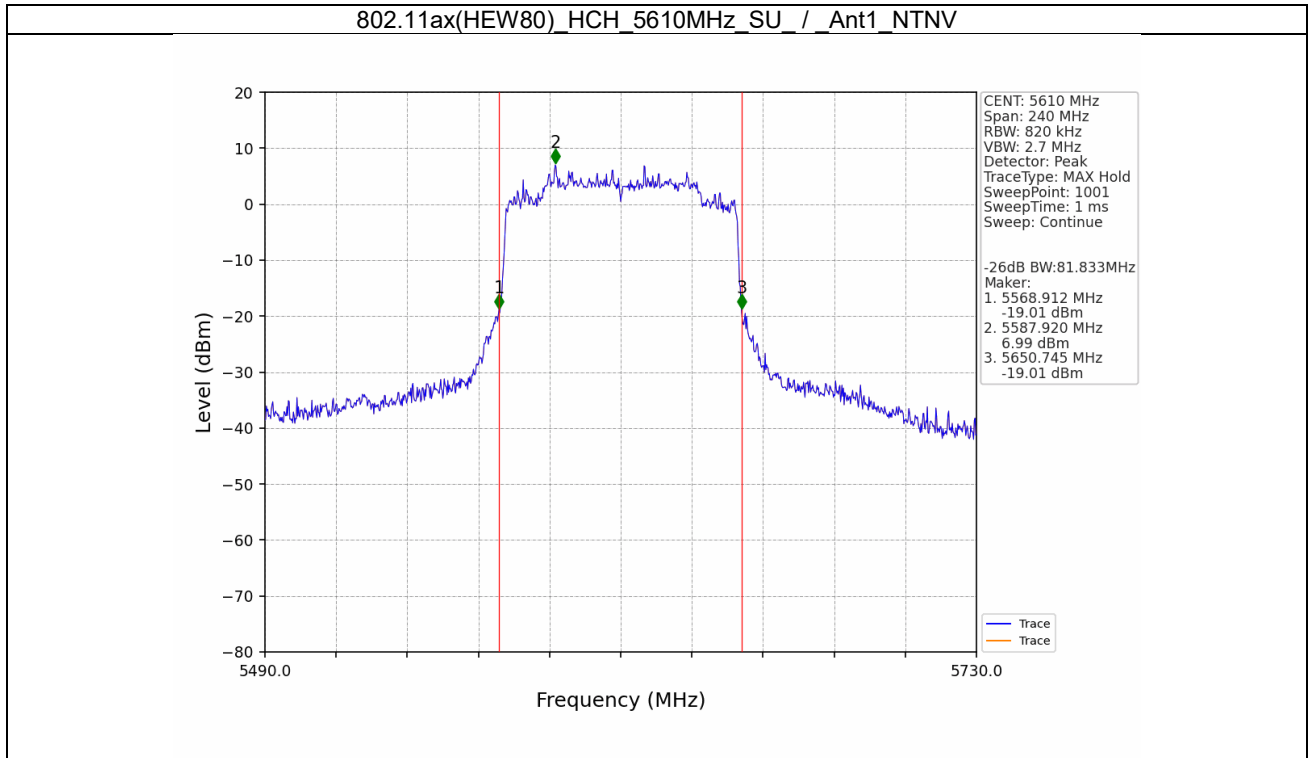


802.11ax(HEW40)_HCH_5670MHz_SU / Ant1_NTNV



802.11ax(HEW80)_LCH_5530MHz_SU / Ant1_NTNV





3. Maximum Conducted Output Power

3.1 Test Result

3.1.1 Power

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum Average Conducted Output Power (dBm)		Verdict
					ANT1	Limit	
802.11a	SISO	5500	/	/	13.19	<=23.98	Pass
		5580	/	/	14.95	<=23.98	Pass
		5700	/	/	13.50	<=23.98	Pass
802.11n (HT20)	SISO	5500	/	/	13.31	<=23.98	Pass
		5580	/	/	15.06	<=23.98	Pass
		5700	/	/	13.51	<=23.98	Pass
802.11n (HT40)	SISO	5510	/	/	12.29	<=23.98	Pass
		5550	/	/	14.09	<=23.98	Pass
		5670	/	/	15.31	<=23.98	Pass
802.11ac (VHT20)	SISO	5500	/	/	13.23	<=23.98	Pass
		5580	/	/	14.88	<=23.98	Pass
		5700	/	/	13.45	<=23.98	Pass
802.11ac (VHT40)	SISO	5510	/	/	12.21	<=23.98	Pass
		5550	/	/	14.09	<=23.98	Pass
		5670	/	/	15.31	<=23.98	Pass
802.11ac (VHT80)	SISO	5530	/	/	13.57	<=23.98	Pass
		5610	/	/	14.53	<=23.98	Pass
802.11ax (HEW20)	SISO	5500	SU	/	13.16	<=23.98	Pass
		5580	SU	/	14.76	<=23.98	Pass
		5700	SU	/	13.06	<=23.98	Pass
802.11ax (HEW40)	SISO	5510	SU	/	11.54	<=23.98	Pass
		5550	SU	/	13.62	<=23.98	Pass
		5670	SU	/	14.60	<=23.98	Pass
802.11ax (HEW80)	SISO	5530	SU	/	13.03	<=23.98	Pass
		5610	SU	/	14.27	<=23.98	Pass

Note1: Antenna Gain: Ant1: 2.20dBi;

4. Maximum Power Spectral Density

4.1 Test Result

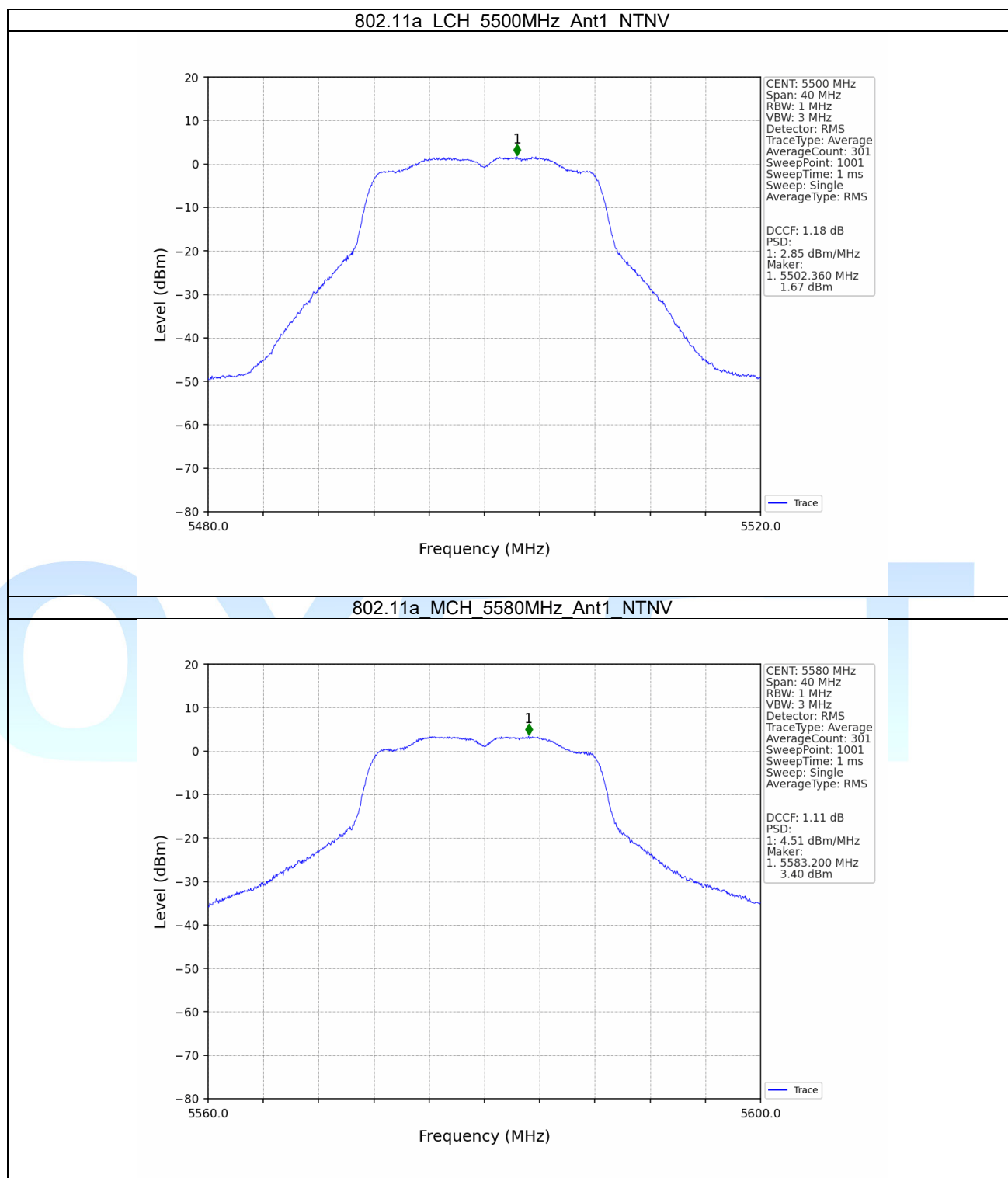
4.1.1 PSD

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum PSD (dBm/MHz)		Verdict
					ANT1	Limit	
802.11a	SISO	5500	/	/	2.85	<=11	Pass
		5580	/	/	4.51	<=11	Pass
		5700	/	/	3.08	<=11	Pass
802.11n (HT20)	SISO	5500	/	/	2.68	<=11	Pass
		5580	/	/	4.52	<=11	Pass
		5700	/	/	2.96	<=11	Pass
802.11n (HT40)	SISO	5510	/	/	-1.63	<=11	Pass
		5550	/	/	0.27	<=11	Pass
		5670	/	/	1.35	<=11	Pass
802.11ac (VHT20)	SISO	5500	/	/	2.74	<=11	Pass
		5580	/	/	4.30	<=11	Pass
		5700	/	/	3.06	<=11	Pass
802.11ac (VHT40)	SISO	5510	/	/	-1.70	<=11	Pass
		5550	/	/	0.20	<=11	Pass
		5670	/	/	1.60	<=11	Pass
802.11ac (VHT80)	SISO	5530	/	/	-3.14	<=11	Pass
		5610	/	/	-2.27	<=11	Pass
802.11ax (HEW20)	SISO	5500	SU	/	2.48	<=11	Pass
		5580	SU	/	4.22	<=11	Pass
		5700	SU	/	2.43	<=11	Pass
802.11ax (HEW40)	SISO	5510	SU	/	-2.55	<=11	Pass
		5550	SU	/	-0.34	<=11	Pass
		5670	SU	/	0.73	<=11	Pass
802.11ax (HEW80)	SISO	5530	SU	/	-3.60	<=11	Pass
		5610	SU	/	-2.56	<=11	Pass

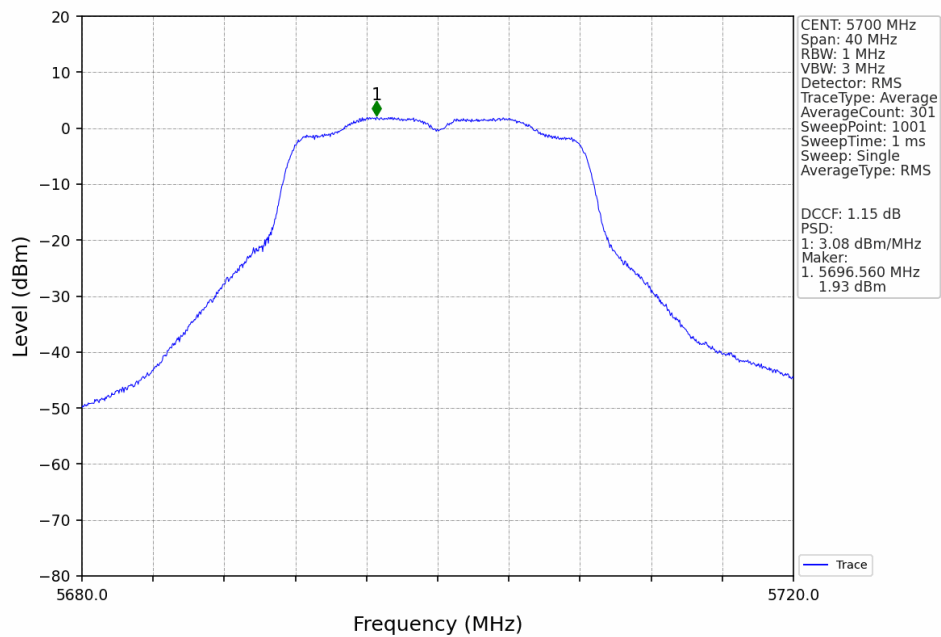
Note1: Antenna Gain: Ant1: 2.20dBi;

4.2 Test Graph

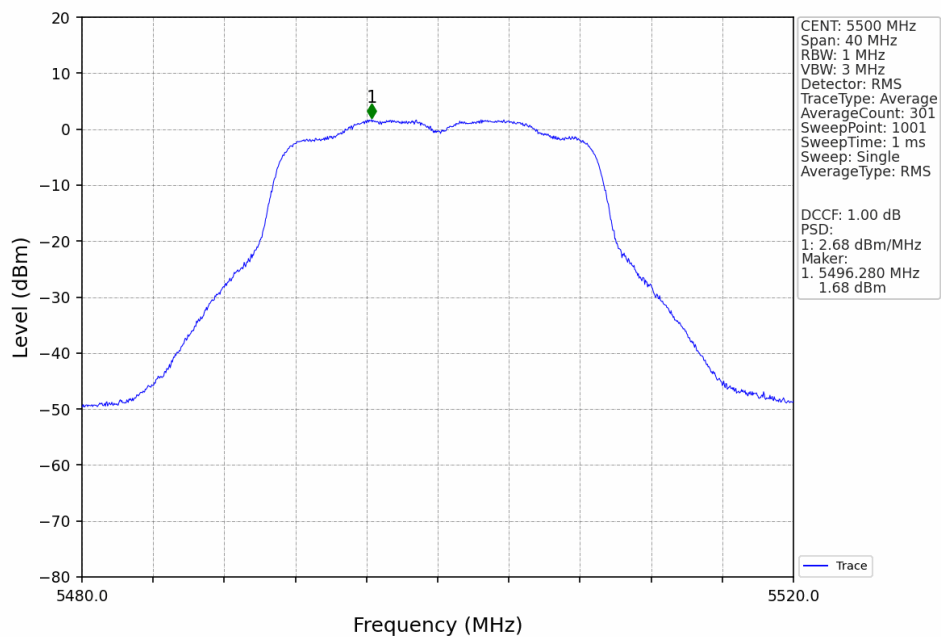
4.2.1 PSD



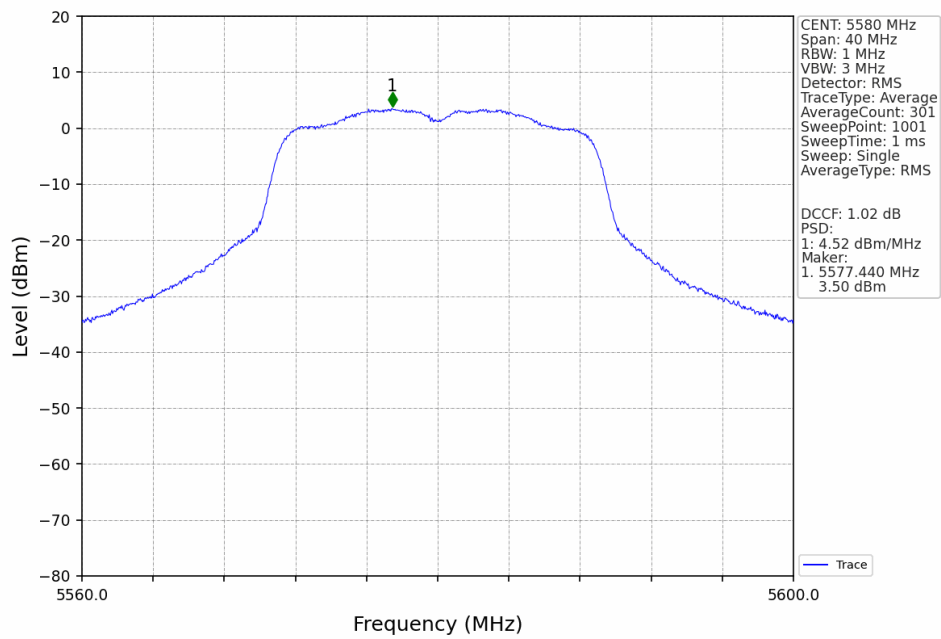
802.11a_HCH_5700MHz_Ant1_NTNV



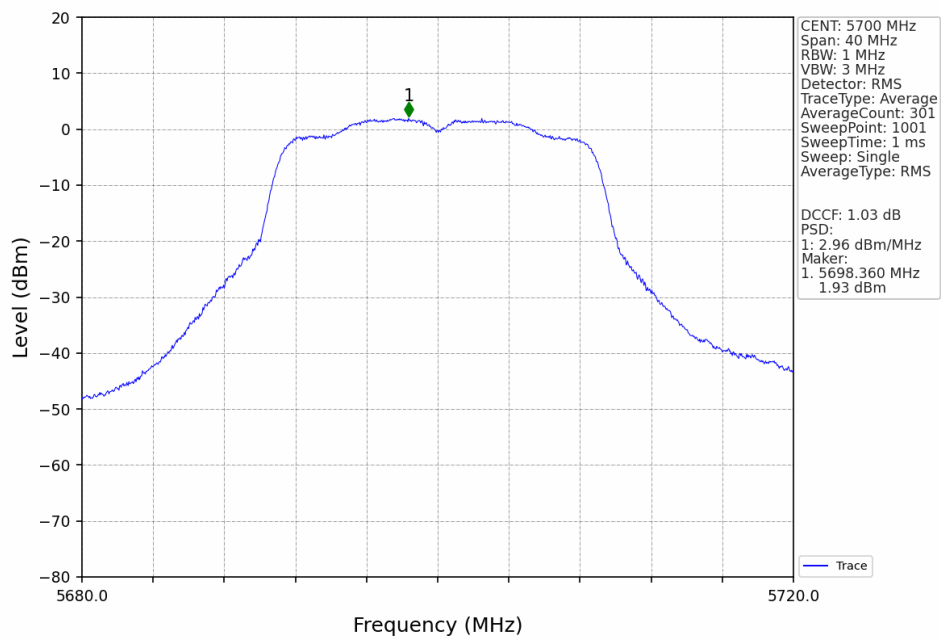
802.11n(HT20)_LCH_5500MHz_Ant1_NTNV



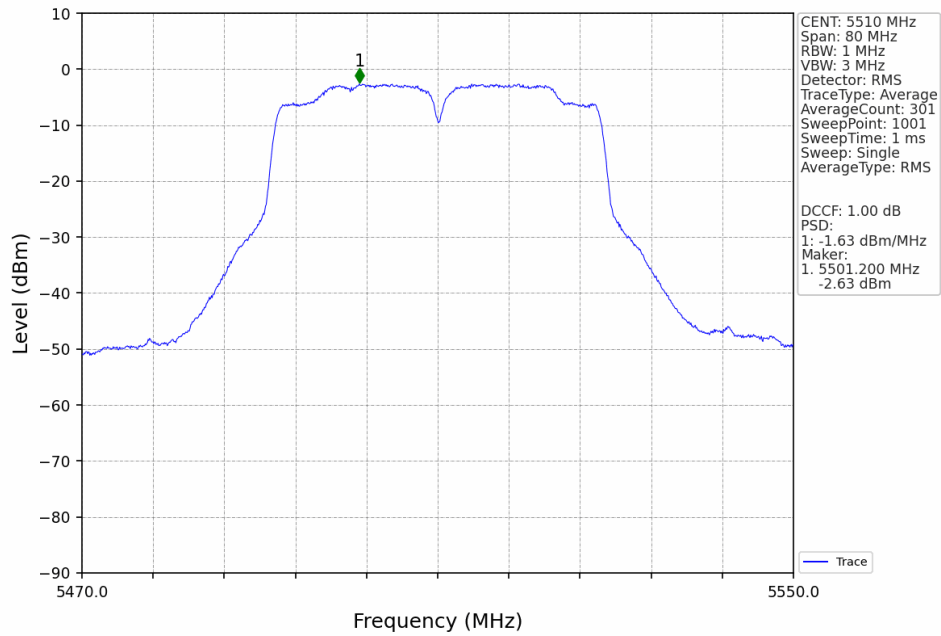
802.11n(HT20) MCH_5580MHz_Ant1_NTNV



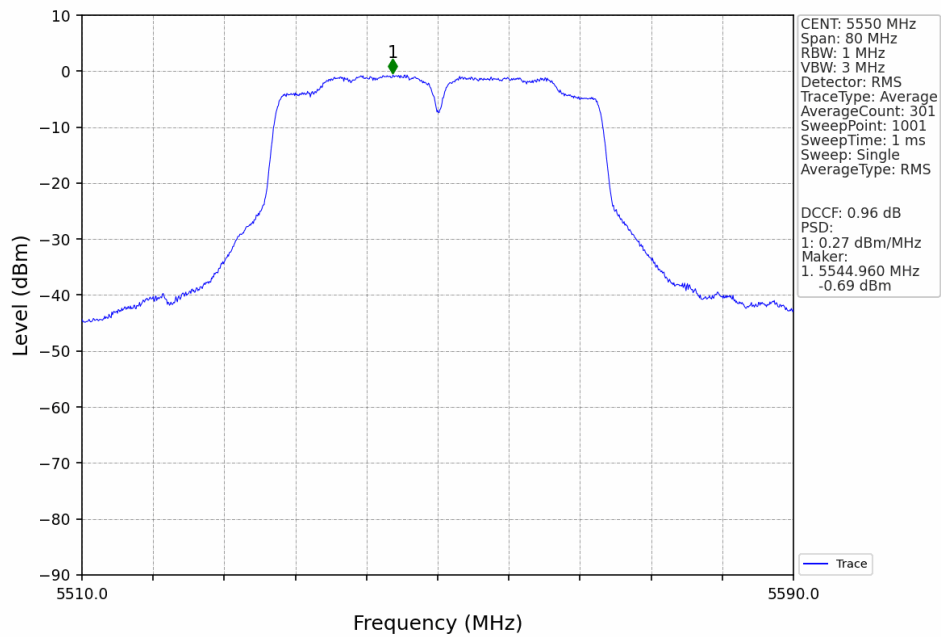
802.11n(HT20) HCH_5700MHz_Ant1_NTNV



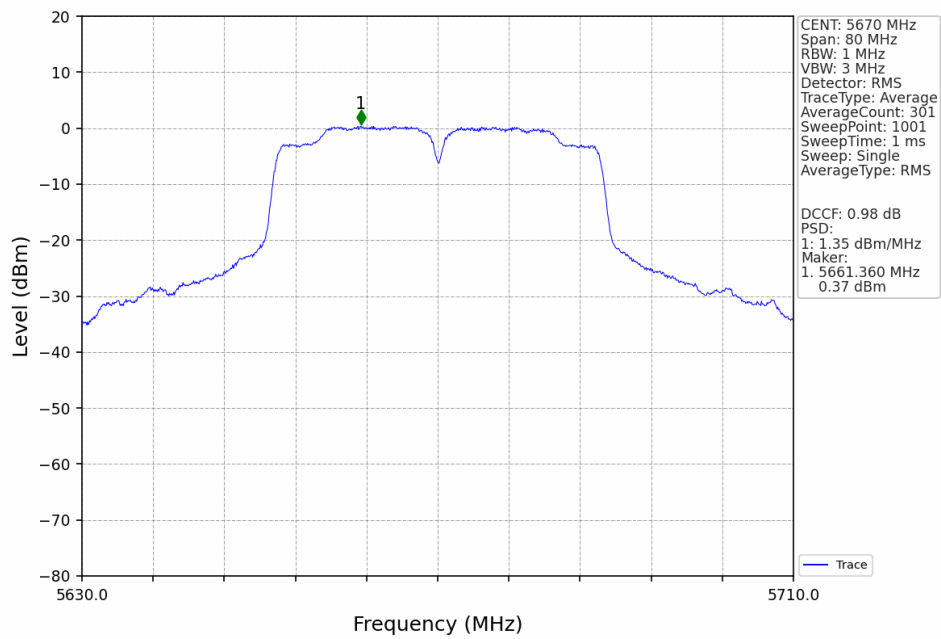
802.11n(HT40) LCH_5510MHz_Ant1_NTNV



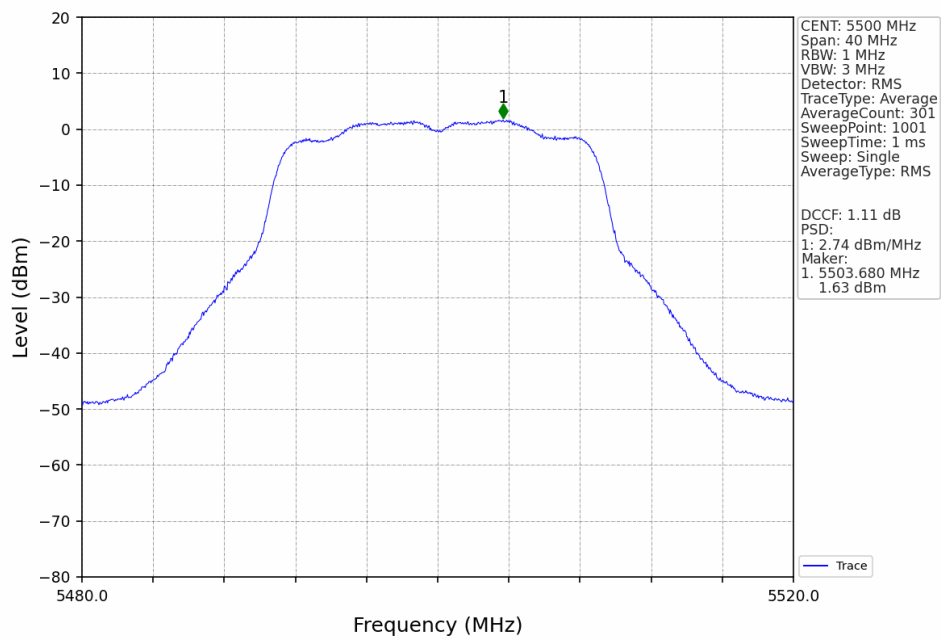
802.11n(HT40) MCH_5550MHz_Ant1_NTNV



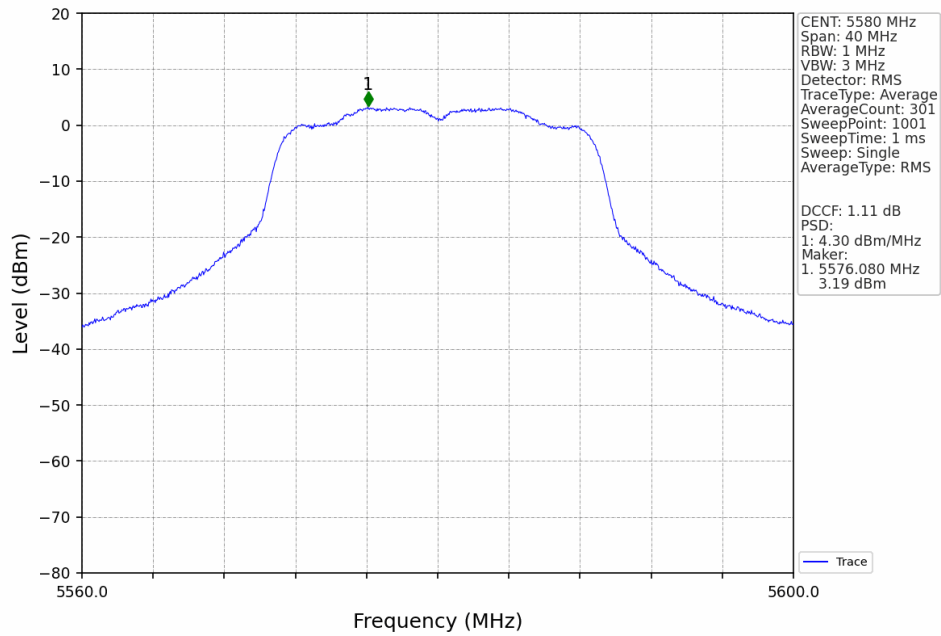
802.11n(HT40) HCH 5670MHz_Ant1_NTNV



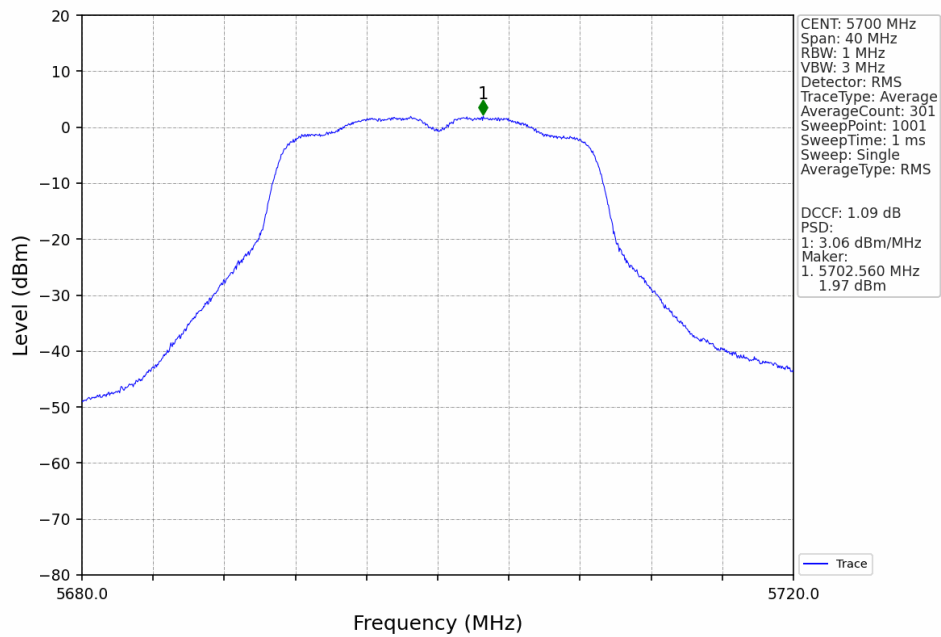
802.11ac(VHT20) LCH 5500MHz_Ant1_NTNV



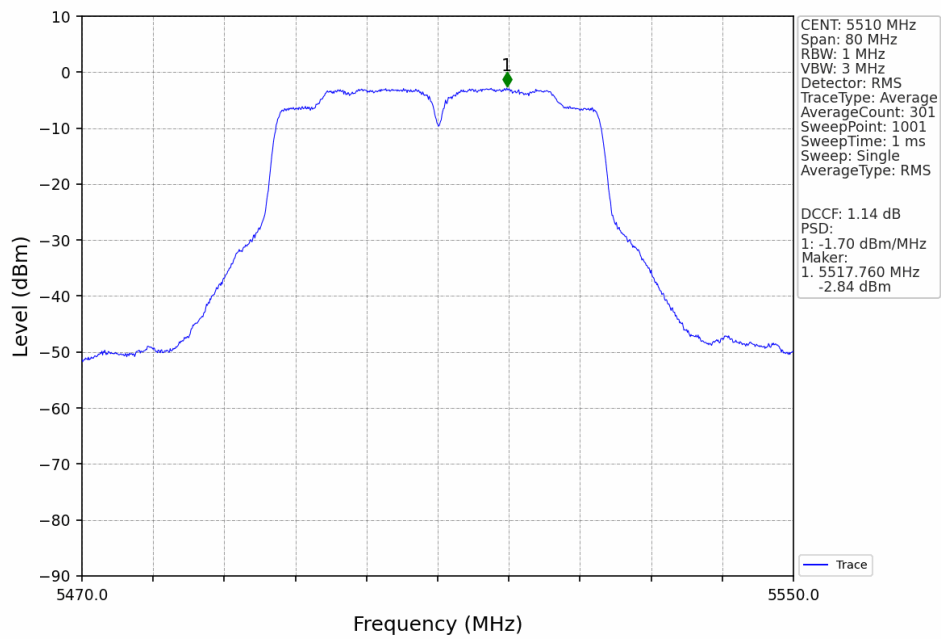
802.11ac(VHT20)_MCH_5580MHz_Ant1_NTNV



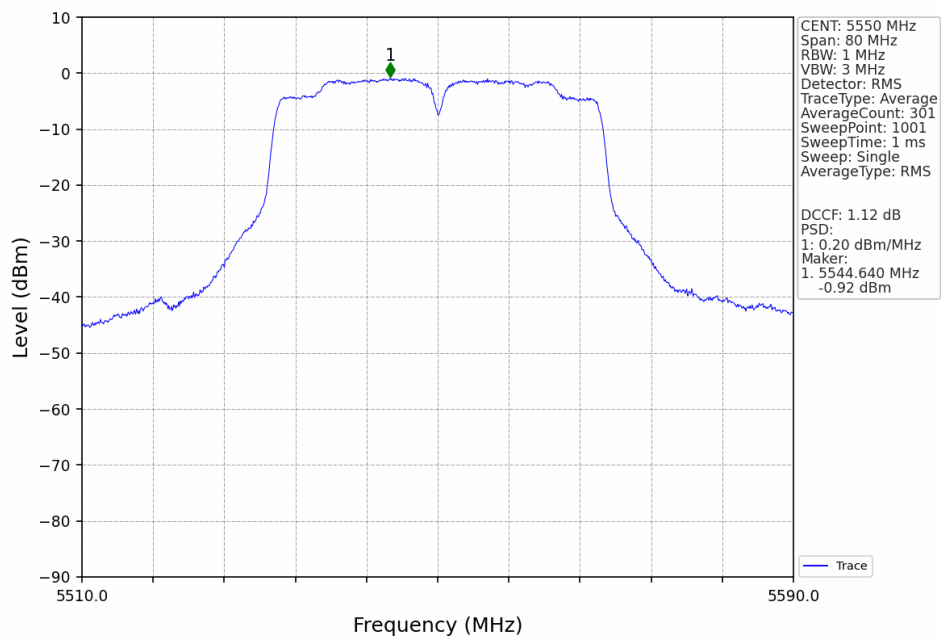
802.11ac(VHT20)_HCH_5700MHz_Ant1_NTNV



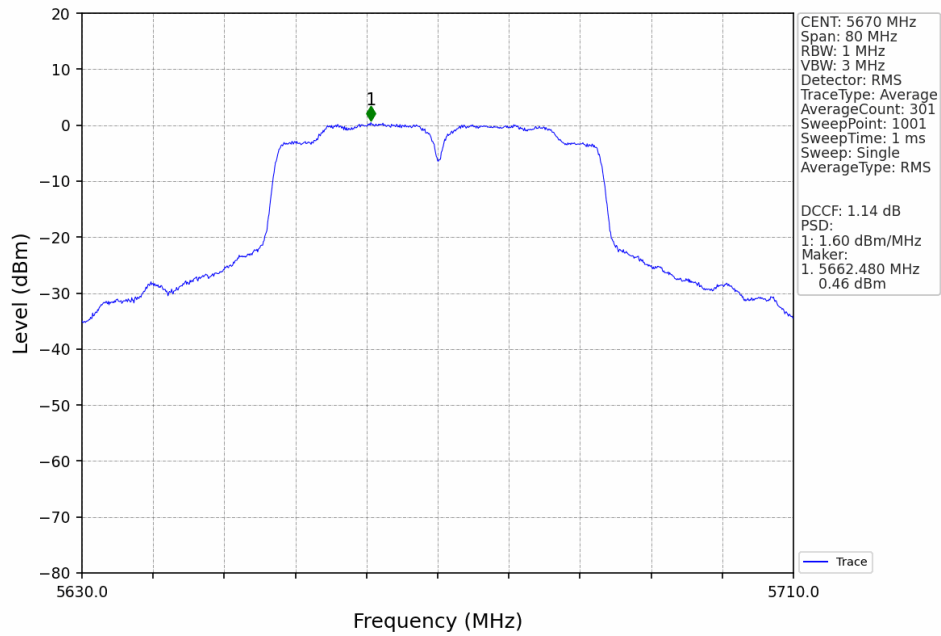
802.11ac(VHT40) LCH_5510MHz_Ant1_NTNV



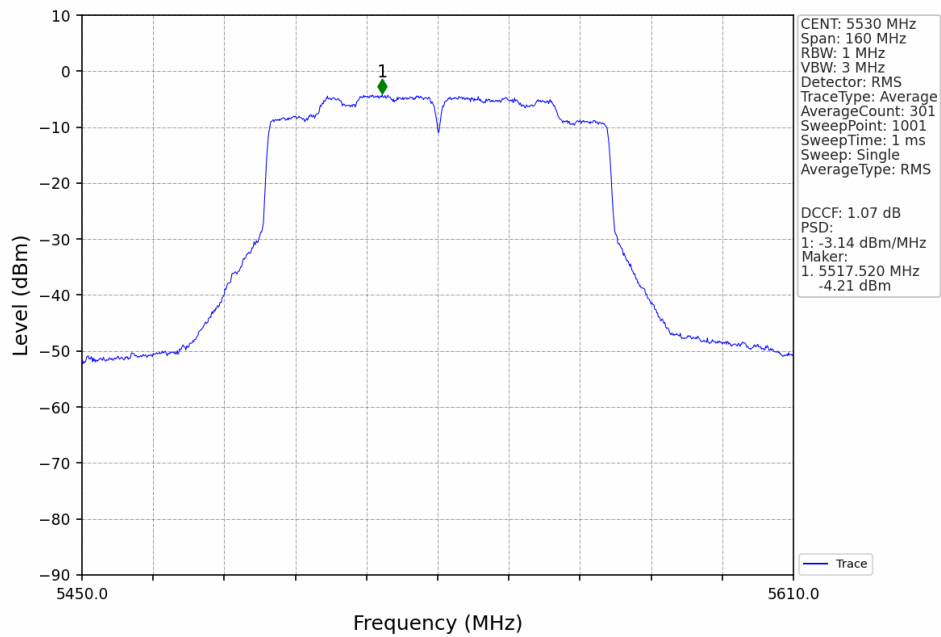
802.11ac(VHT40) MCH_5550MHz_Ant1_NTNV



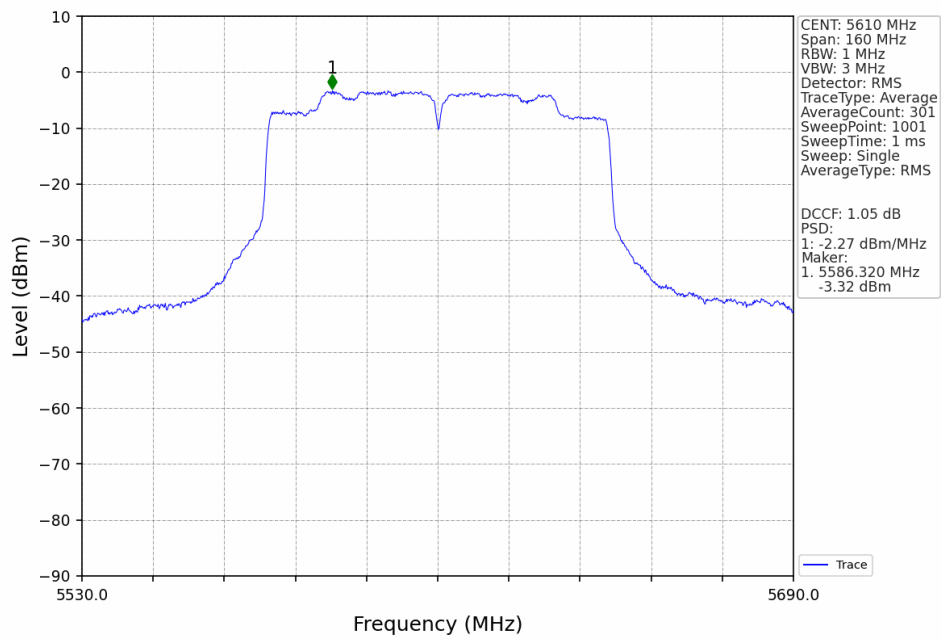
802.11ac(VHT40) HCH_5670MHz_Ant1_NTNV



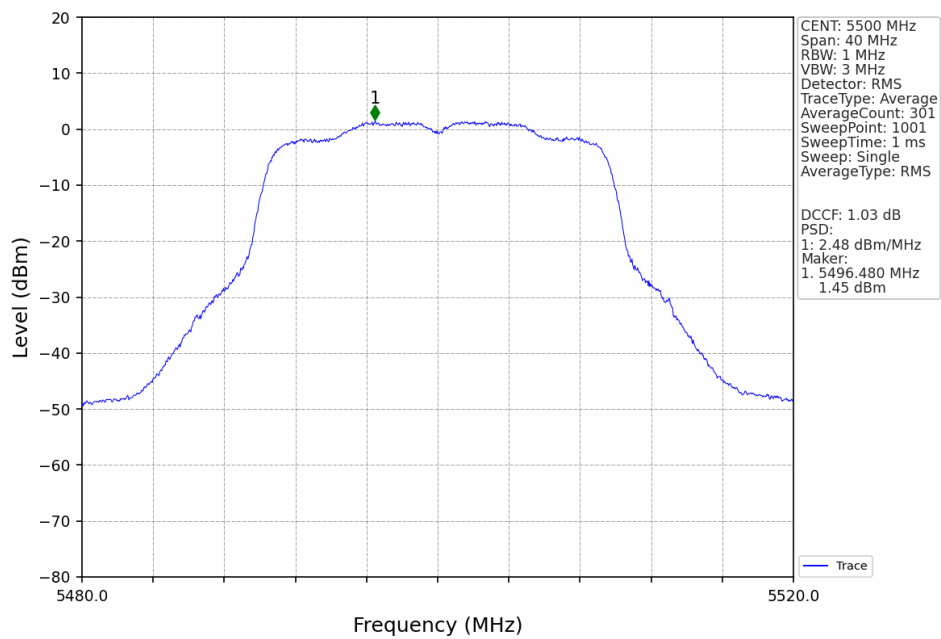
802.11ac(VHT80) LCH_5530MHz_Ant1_NTNV



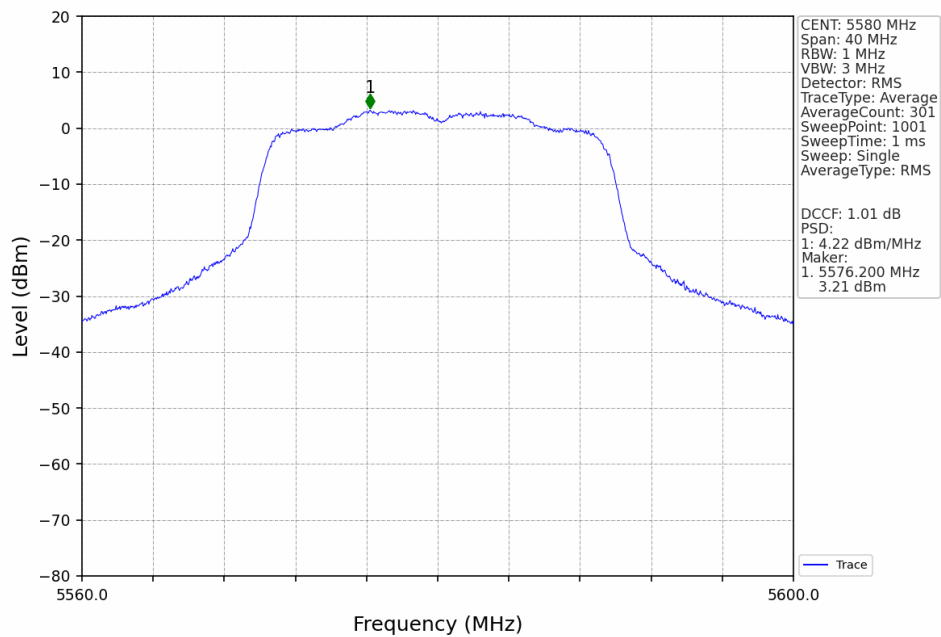
802.11ac(VHT80) HCH_5610MHz_Ant1_NTNV



802.11ax(HEW20) LCH_5500MHz_SU_ / _Ant1_NTNV



802.11ax(HEW20)_MCH_5580MHz_SU / Ant1_NTNV



802.11ax(HEW20)_HCH_5700MHz_SU / Ant1_NTNV

