

1. Duty Cycle

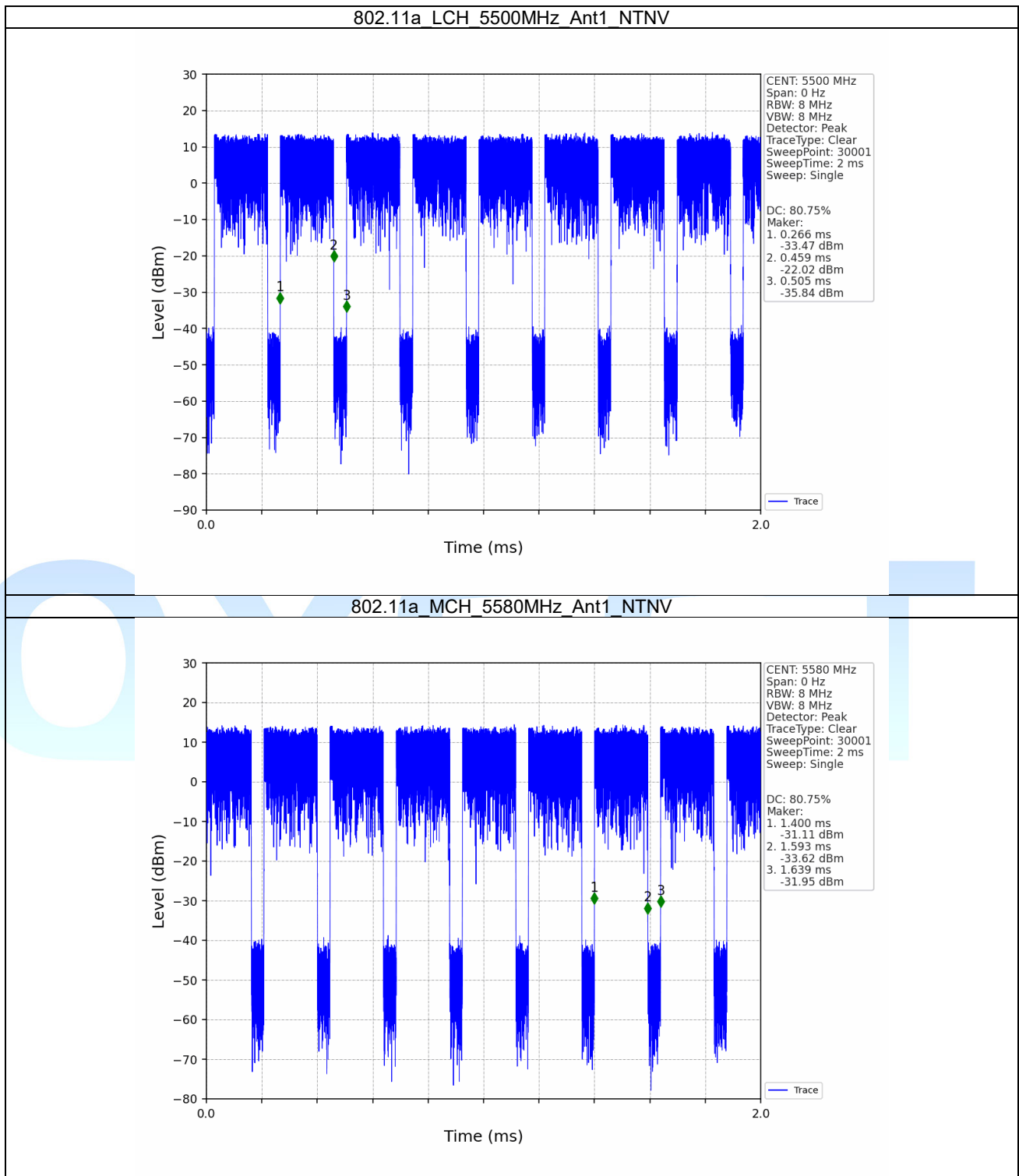
1.1 Test Result

1.1.1 Ant1

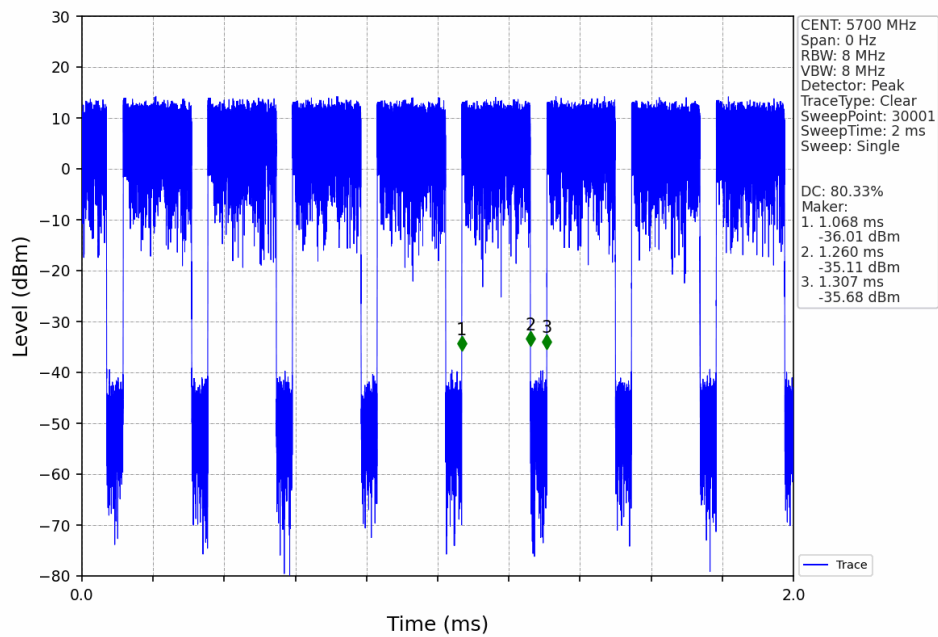
Ant1									
Mode	TX Type	Frequency (MHz)	RU	RU Pos	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11a	SISO	5500	/	/	0.193	0.239	80.75	0.93	0.44
		5580	/	/	0.193	0.239	80.75	0.93	0.38
		5700	/	/	0.192	0.239	80.33	0.95	0.42
802.11n (HT20)	SISO	5500	/	/	0.213	0.260	81.92	0.87	0.39
		5580	/	/	0.213	0.259	82.24	0.85	0.12
		5700	/	/	0.213	0.259	82.24	0.85	0.08
802.11n (HT40)	SISO	5510	/	/	0.200	0.247	80.97	0.92	0.13
		5550	/	/	0.201	0.247	81.38	0.90	0.27
		5670	/	/	0.201	0.247	81.38	0.90	0.11
802.11ac (VHT20)	SISO	5500	/	/	0.205	0.252	81.35	0.90	0.13
		5580	/	/	0.207	0.252	82.14	0.85	0.28
		5700	/	/	0.205	0.251	81.67	0.88	0.13
802.11ac (VHT40)	SISO	5510	/	/	0.157	0.204	76.96	1.14	0.56
		5550	/	/	0.185	0.232	79.74	0.98	0.21
		5670	/	/	0.184	0.231	79.65	0.99	0.24
802.11ac (VHT80)	SISO	5530	/	/	0.177	0.223	79.37	1.00	0.08
		5610	/	/	0.177	0.223	79.37	1.00	0.09
802.11ax (HEW20)	SISO	5500	SU	/	0.268	0.313	85.62	0.67	0.18
		5580	SU	/	0.266	0.313	84.98	0.71	0.13
		5700	SU	/	0.266	0.313	84.98	0.71	0.20
802.11ax (HEW40)	SISO	5510	SU	/	0.195	0.242	80.58	0.94	0.20
		5550	SU	/	0.196	0.241	81.33	0.90	0.19
		5670	SU	/	0.194	0.241	80.50	0.94	0.24
802.11ax (HEW80)	SISO	5530	SU	/	0.177	0.223	79.37	1.00	0.27
		5610	SU	/	0.179	0.223	80.27	0.95	0.16

1.2 Test Graph

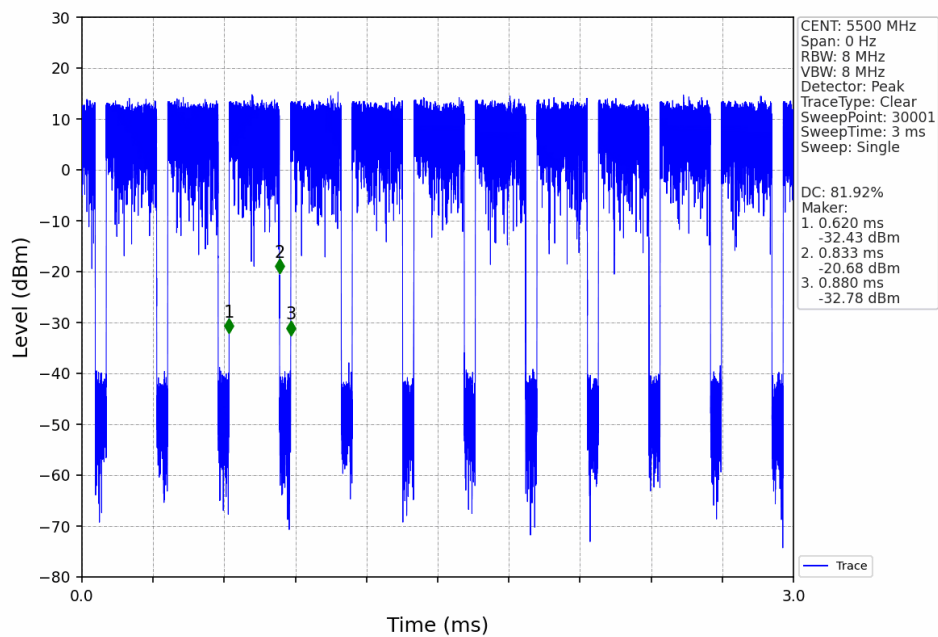
1.2.1 Ant1



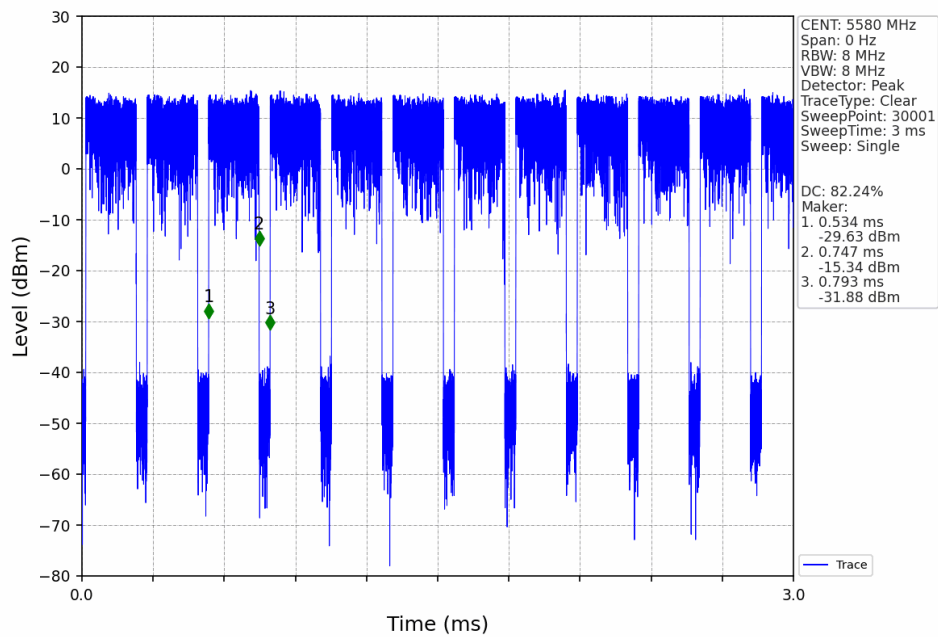
802.11a_HCH_5700MHz_Ant1_NTNV



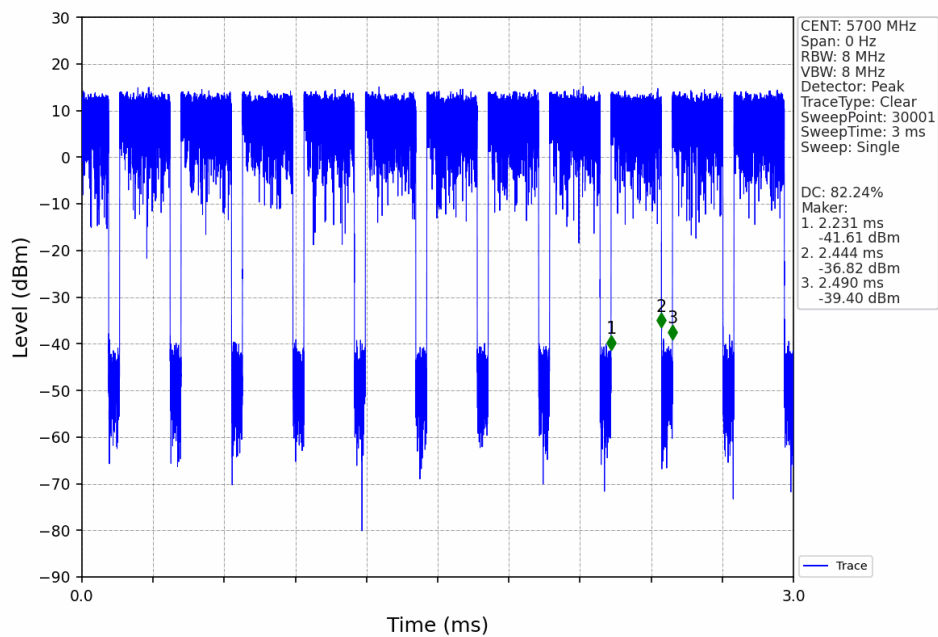
802.11n(HT20)_LCH_5500MHz_Ant1_NTNV



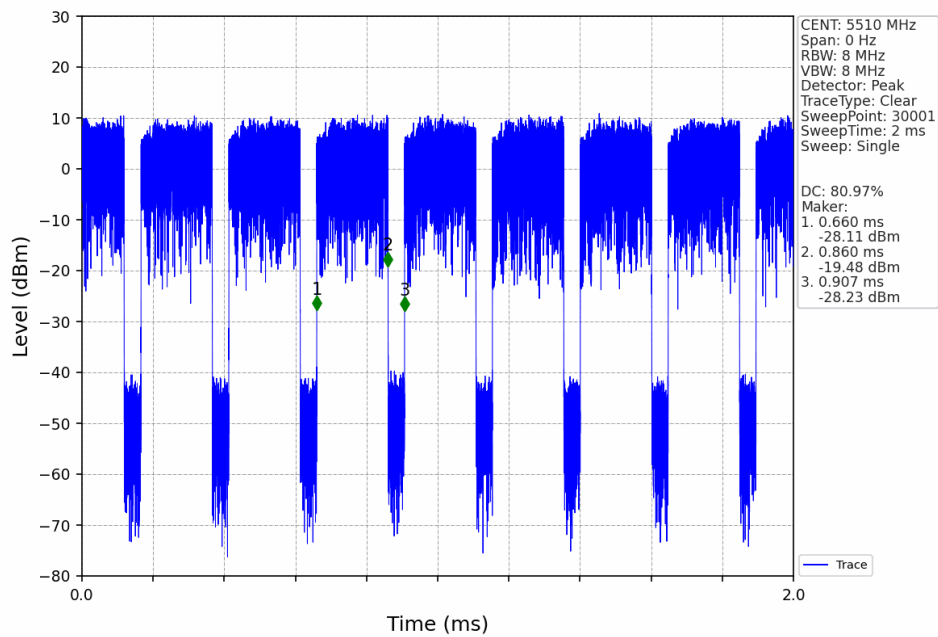
802.11n(HT20) MCH_5580MHz_Ant1_NTNV



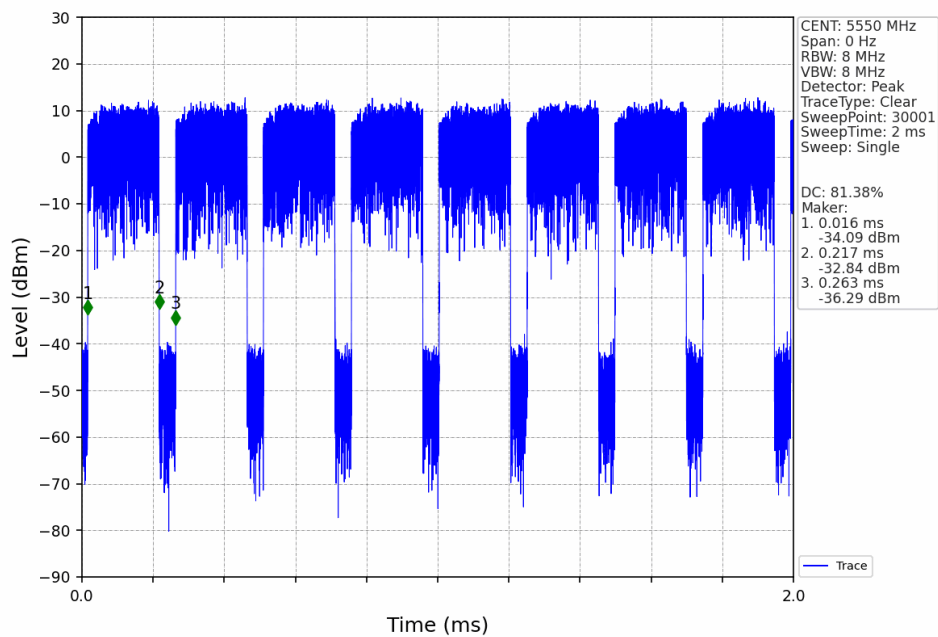
802.11n(HT20) HCH_5700MHz_Ant1_NTNV



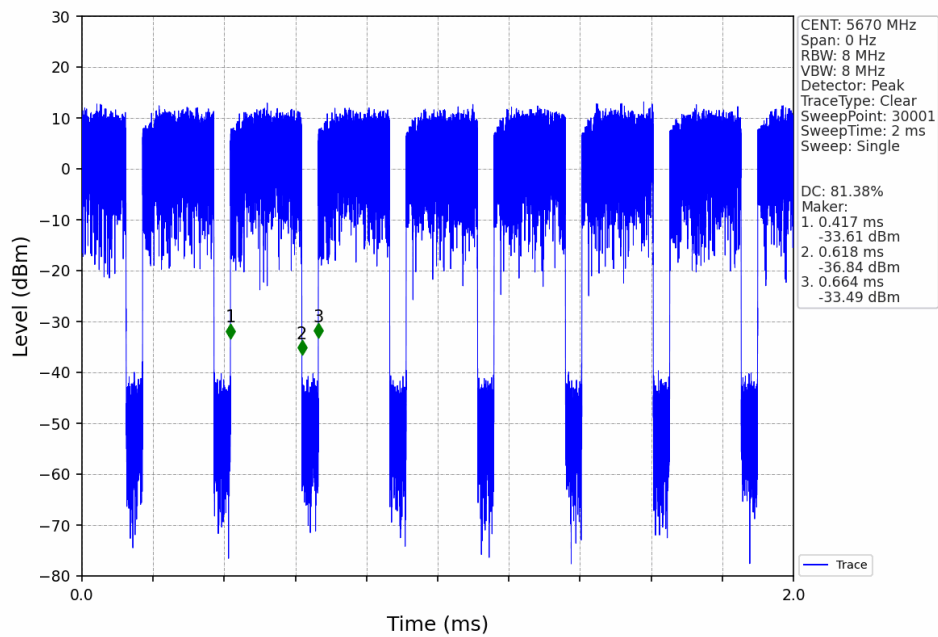
802.11n(HT40) LCH_5510MHz_Ant1_NTNV



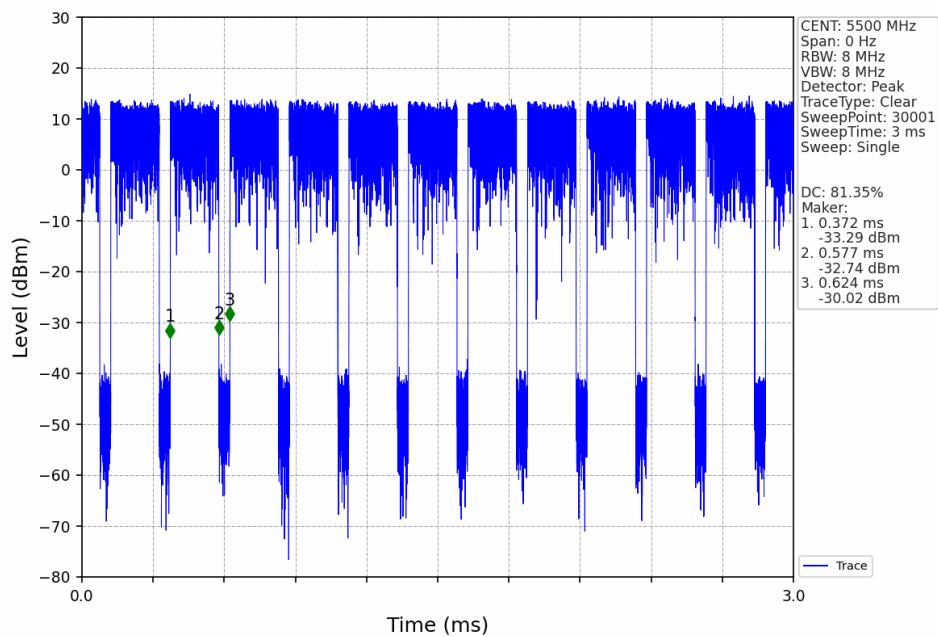
802.11n(HT40) MCH_5550MHz_Ant1_NTNV



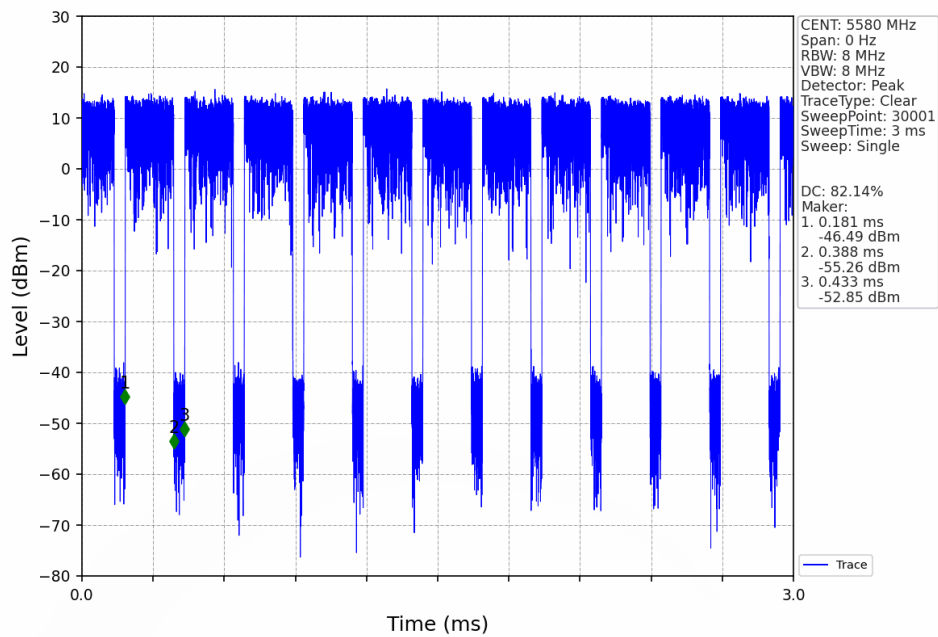
802.11n(HT40) HCH_5670MHz_Ant1_NTNV



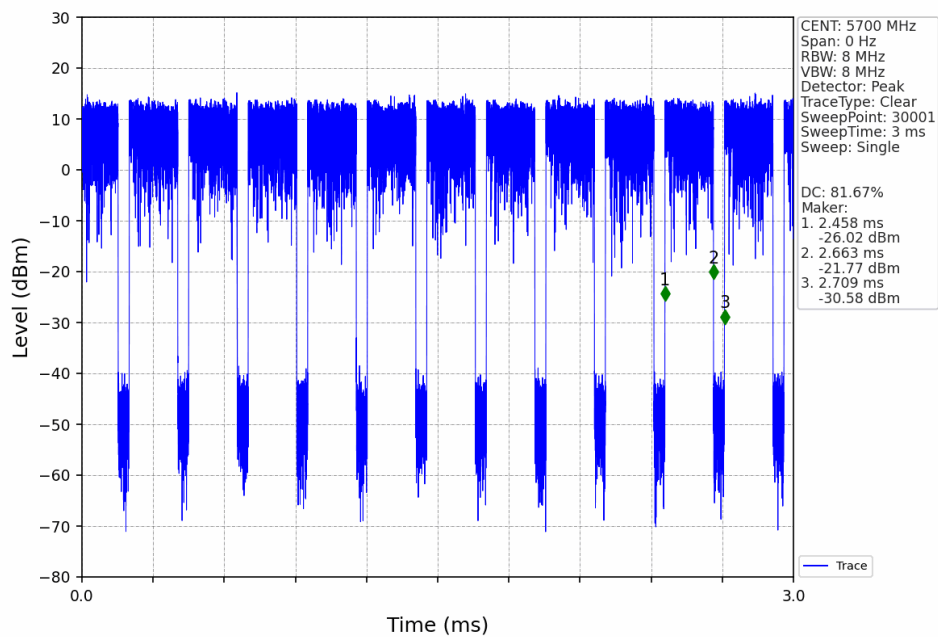
802.11ac(VHT20) LCH_5500MHz_Ant1_NTNV



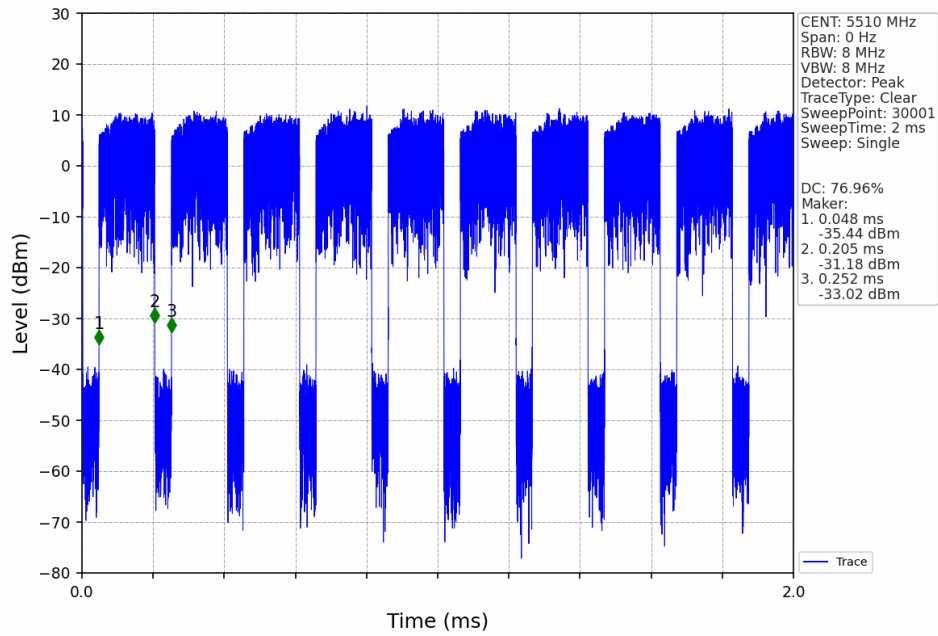
802.11ac(VHT20)_MCH_5580MHz_Ant1_NTNV



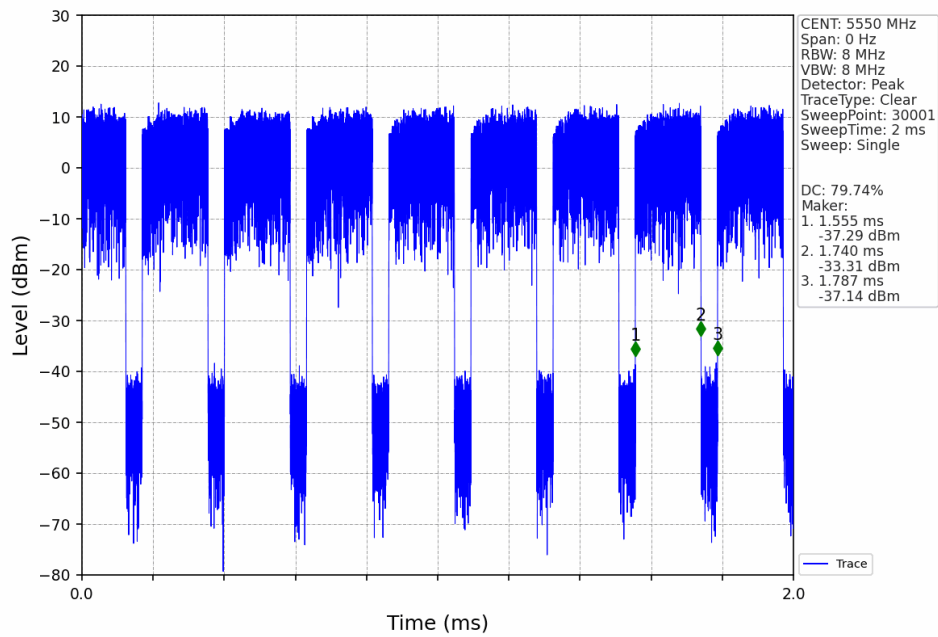
802.11ac(VHT20)_HCH_5700MHz_Ant1_NTNV



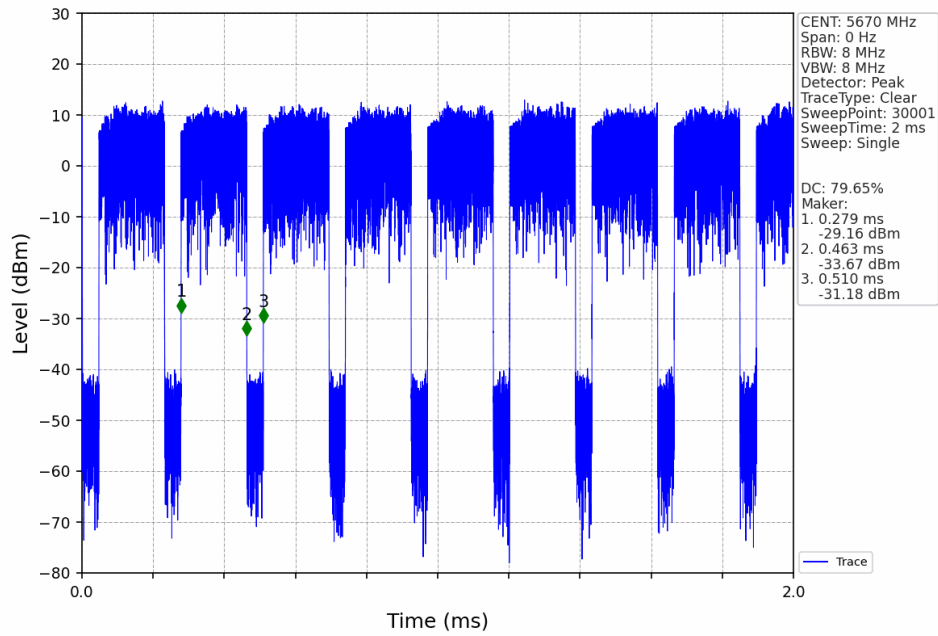
802.11ac(VHT40) LCH_5510MHz_Ant1_NTNV



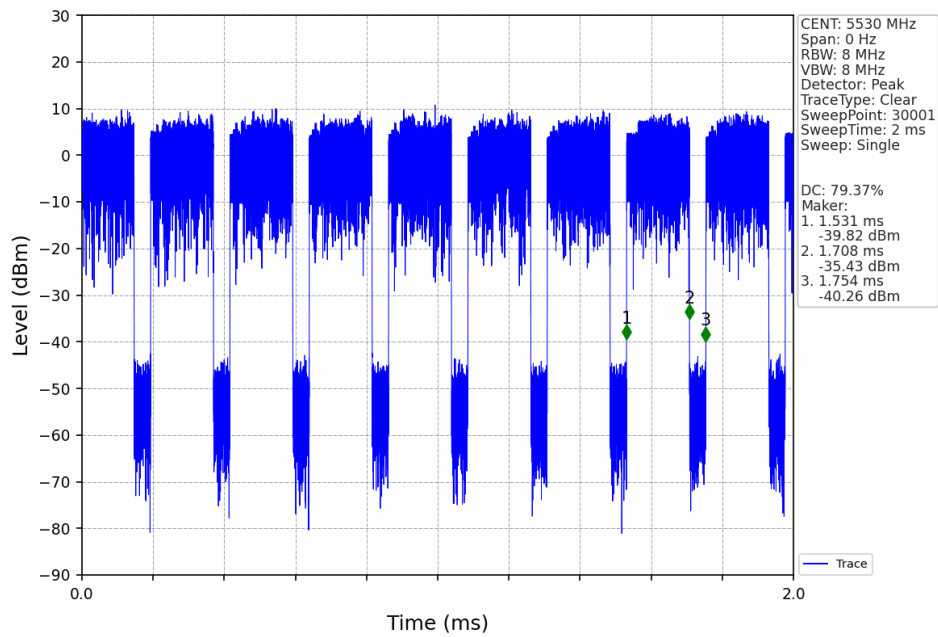
802.11ac(VHT40) MCH_5550MHz_Ant1_NTNV



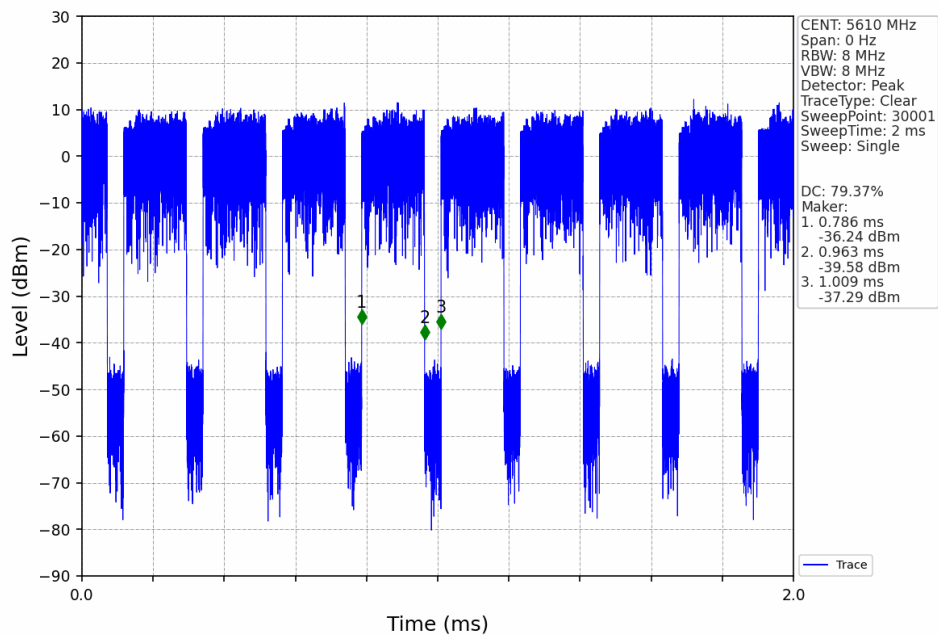
802.11ac(VHT40) HCH_5670MHz_Ant1_NTNV



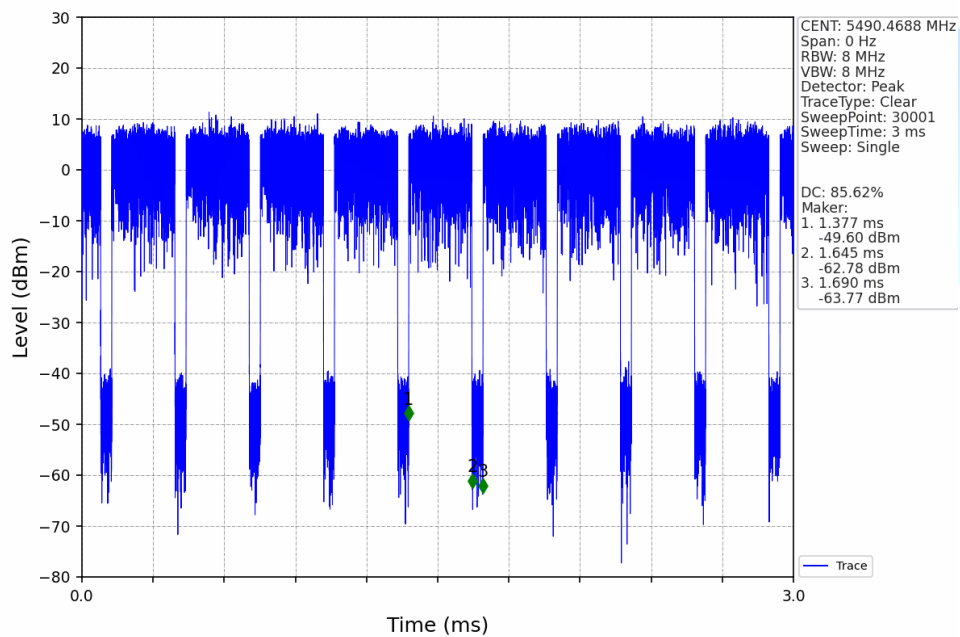
802.11ac(VHT80) LCH_5530MHz_Ant1_NTNV



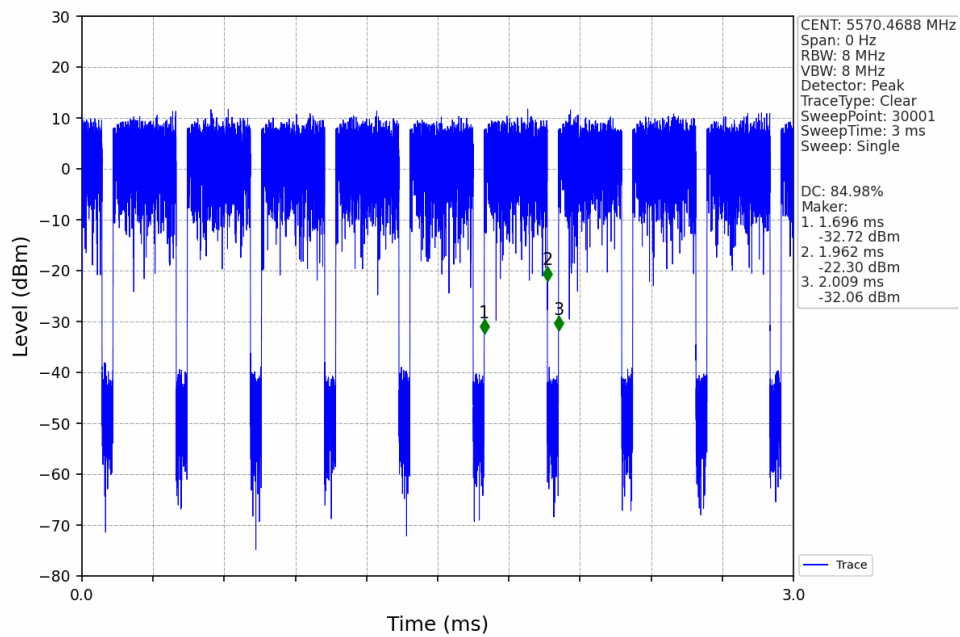
802.11ac(VHT80) HCH_5610MHz_Ant1_NTNV



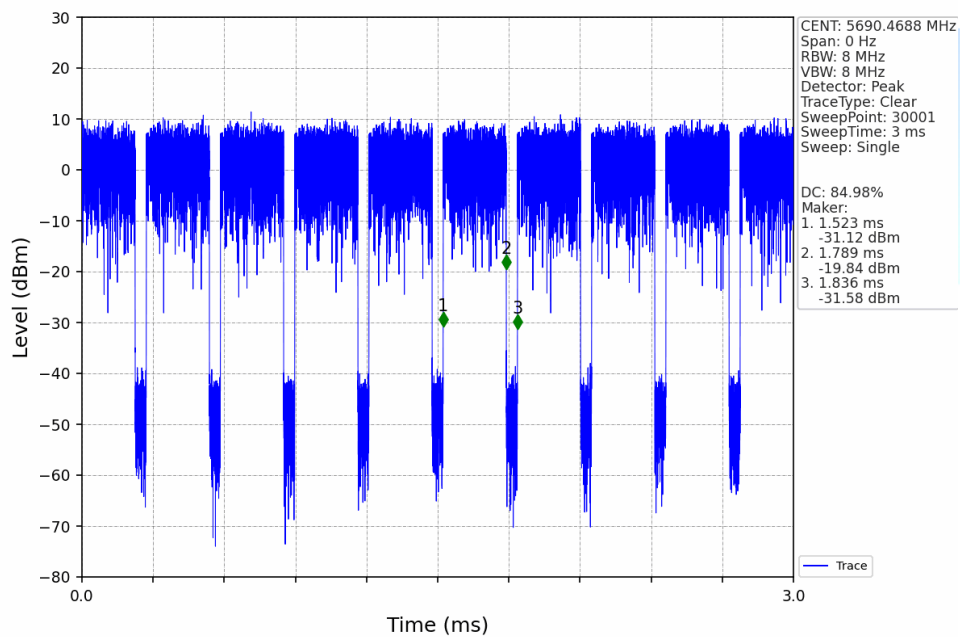
802.11ax(HEW20) LCH_5500MHz_SU_ / Ant1_NTNV



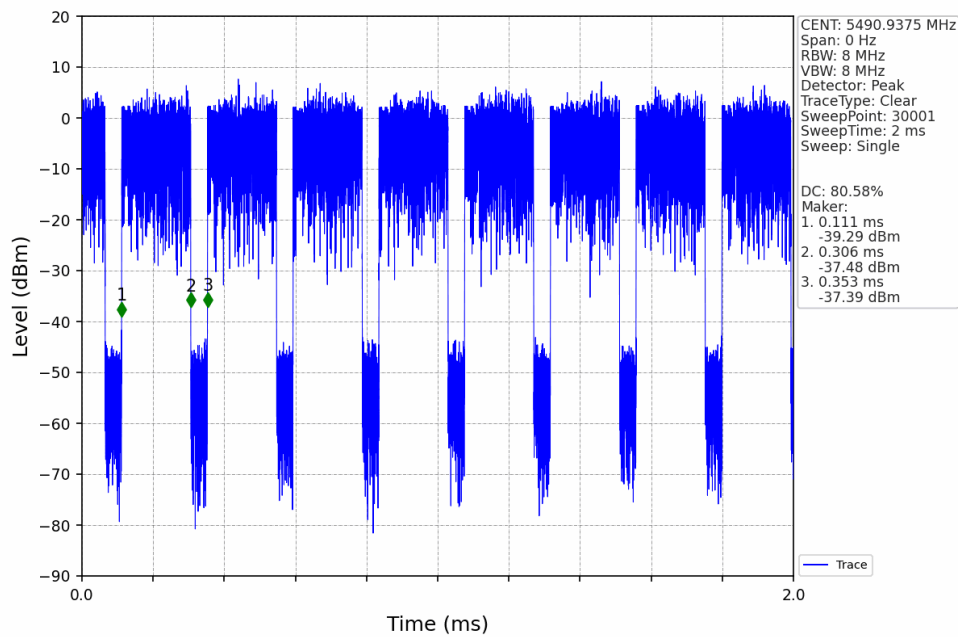
802.11ax(HEW20)_MCH_5580MHz_SU / Ant1_NTNV



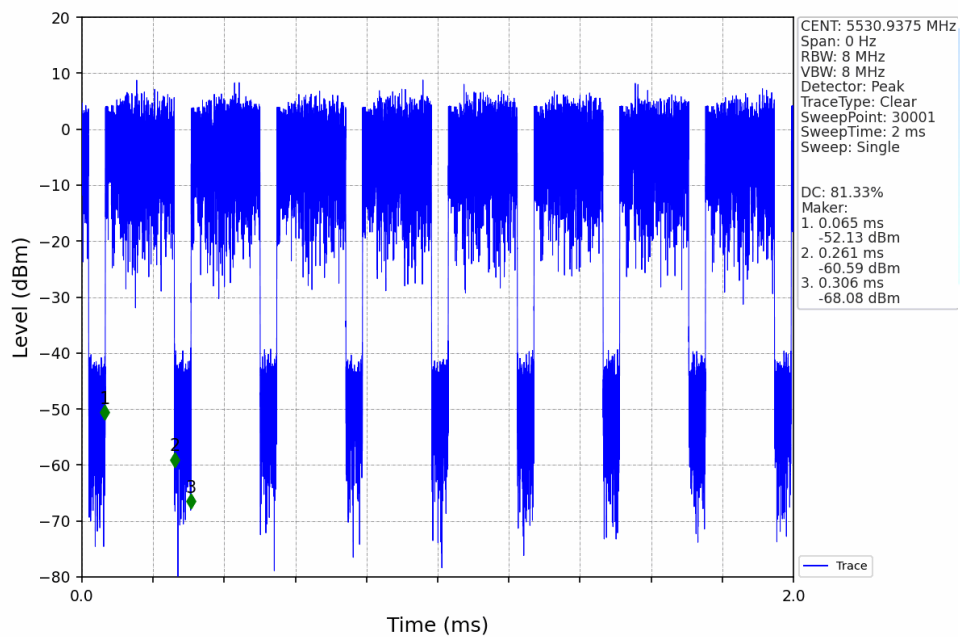
802.11ax(HEW20)_HCH_5700MHz_SU / Ant1_NTNV



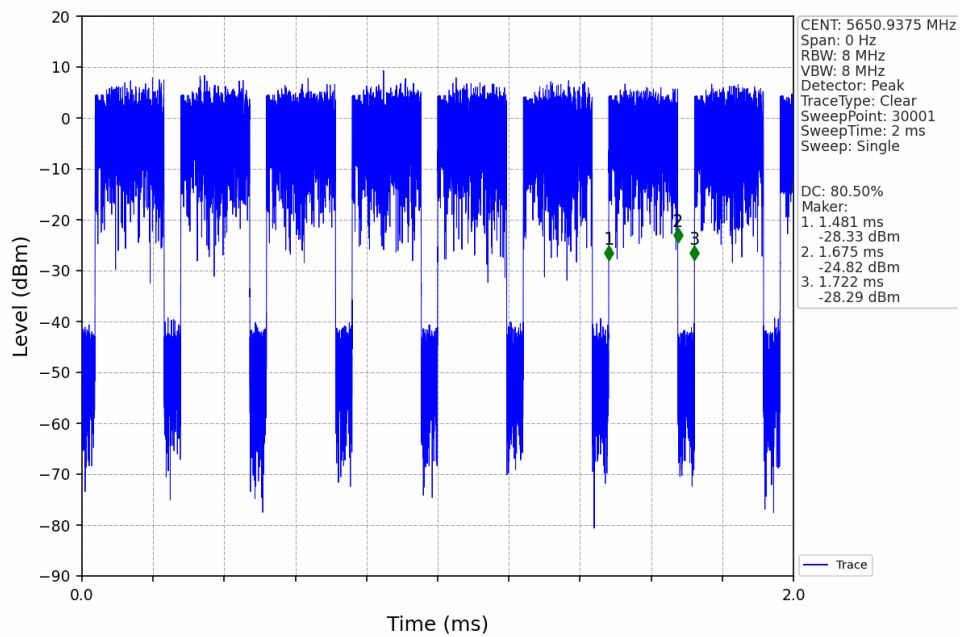
802.11ax(HEW40)_LCH_5510MHz_SU_ / Ant1_NTNV



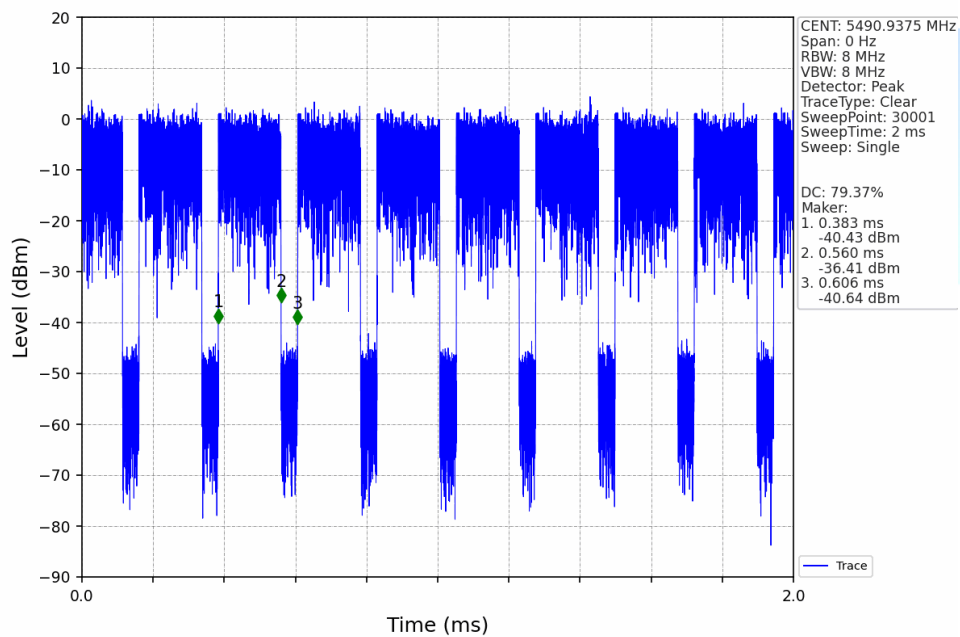
802.11ax(HEW40)_MCH_5550MHz_SU_ / Ant1_NTNV

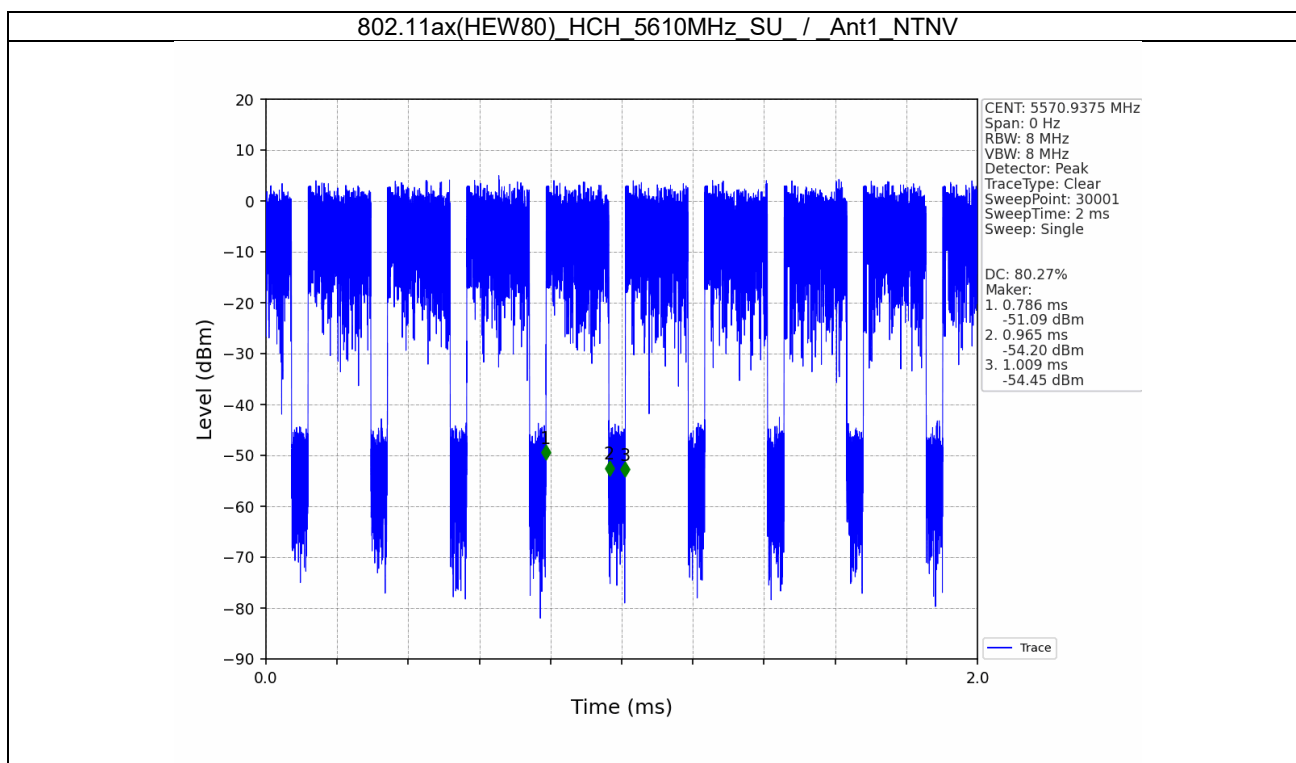


802.11ax(HEW40)_HCH_5670MHz_SU_ / Ant1_NTNV



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	17.446	/	Pass
		5580	/	/	1	17.386	/	Pass
		5700	/	/	1	17.309	/	Pass
802.11n (HT20)	SISO	5500	/	/	1	18.362	/	Pass
		5580	/	/	1	18.355	/	Pass
		5700	/	/	1	18.336	/	Pass
802.11n (HT40)	SISO	5510	/	/	1	36.392	/	Pass
		5550	/	/	1	36.372	/	Pass
		5670	/	/	1	36.334	/	Pass
802.11ac (VHT20)	SISO	5500	/	/	1	18.329	/	Pass
		5580	/	/	1	18.320	/	Pass
		5700	/	/	1	18.283	/	Pass
802.11ac (VHT40)	SISO	5510	/	/	1	36.311	/	Pass
		5550	/	/	1	36.357	/	Pass
		5670	/	/	1	36.300	/	Pass
802.11ac (VHT80)	SISO	5530	/	/	1	75.500	/	Pass
		5610	/	/	1	75.847	/	Pass
802.11ax (HEW20)	SISO	5500	SU	/	1	19.186	/	Pass
		5580	SU	/	1	19.115	/	Pass
		5700	SU	/	1	19.137	/	Pass
802.11ax (HEW40)	SISO	5510	SU	/	1	37.768	/	Pass
		5550	SU	/	1	37.710	/	Pass
		5670	SU	/	1	37.748	/	Pass
802.11ax (HEW80)	SISO	5530	SU	/	1	75.676	/	Pass
		5610	SU	/	1	75.905	/	Pass

2.1.2 26dB BW

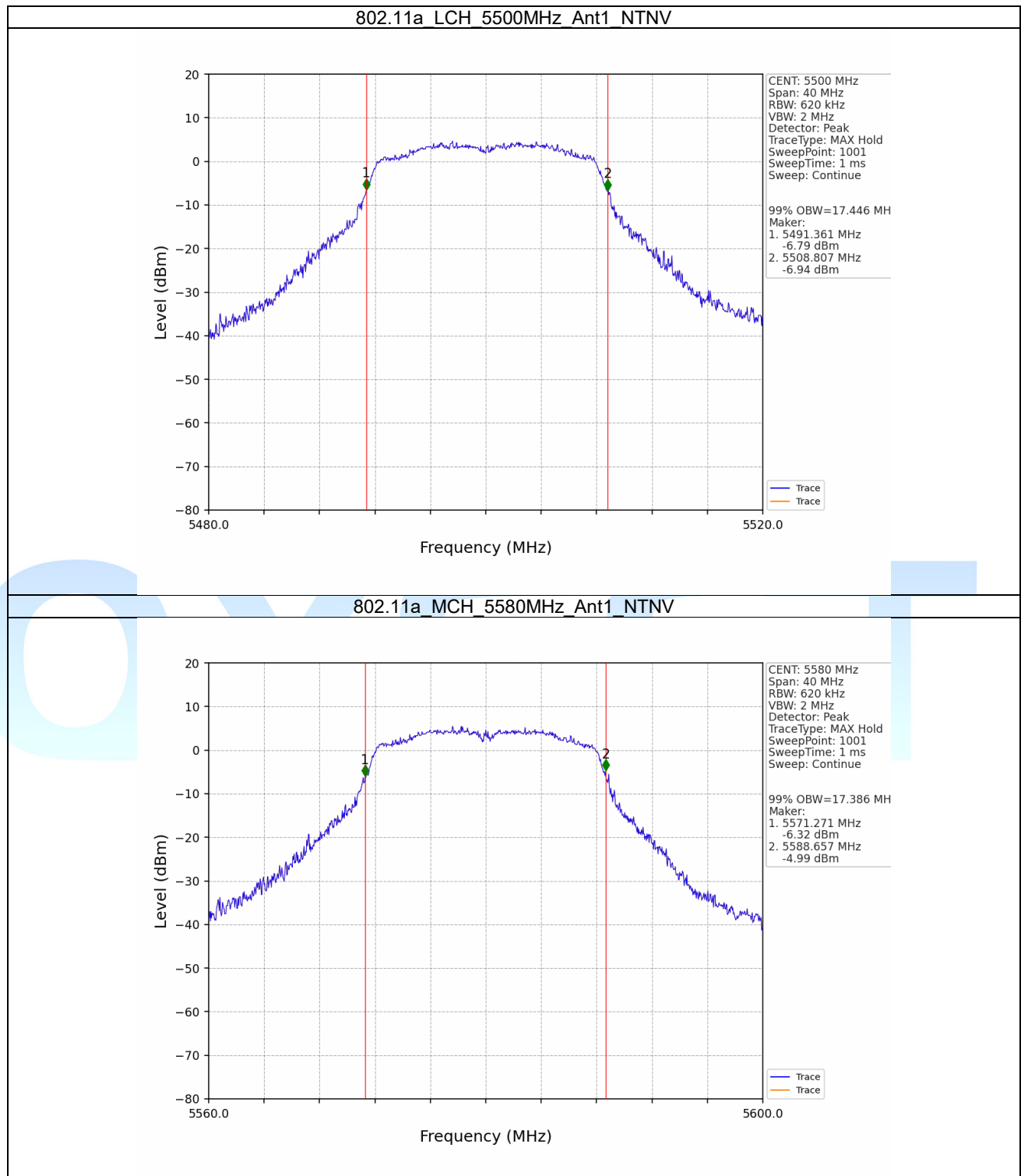
Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	26dB Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	SISO	5500	/	/	1	23.249	/	Pass
		5580	/	/	1	22.948	/	Pass
		5700	/	/	1	21.827	/	Pass
802.11n (HT20)	SISO	5500	/	/	1	23.406	/	Pass
		5580	/	/	1	23.067	/	Pass
		5700	/	/	1	22.564	/	Pass
802.11n (HT40)	SISO	5510	/	/	1	43.911	/	Pass
		5550	/	/	1	44.341	/	Pass
		5670	/	/	1	43.868	/	Pass
802.11ac (VHT20)	SISO	5500	/	/	1	22.729	/	Pass
		5580	/	/	1	23.285	/	Pass
		5700	/	/	1	22.087	/	Pass
802.11ac (VHT40)	SISO	5510	/	/	1	44.442	/	Pass
		5550	/	/	1	44.799	/	Pass
		5670	/	/	1	43.404	/	Pass
802.11ac (VHT80)	SISO	5530	/	/	1	94.286	/	Pass
		5610	/	/	1	91.272	/	Pass
802.11ax	SISO	5500	SU	/	1	23.980	/	Pass

(HEW20)		5580	SU	/	1	23.667	/	Pass
		5700	SU	/	1	23.248	/	Pass
802.11ax (HEW40)	SISO	5510	SU	/	1	43.743	/	Pass
		5550	SU	/	1	44.241	/	Pass
		5670	SU	/	1	43.156	/	Pass
802.11ax (HEW80)	SISO	5530	SU	/	1	91.114	/	Pass
		5610	SU	/	1	92.571	/	Pass

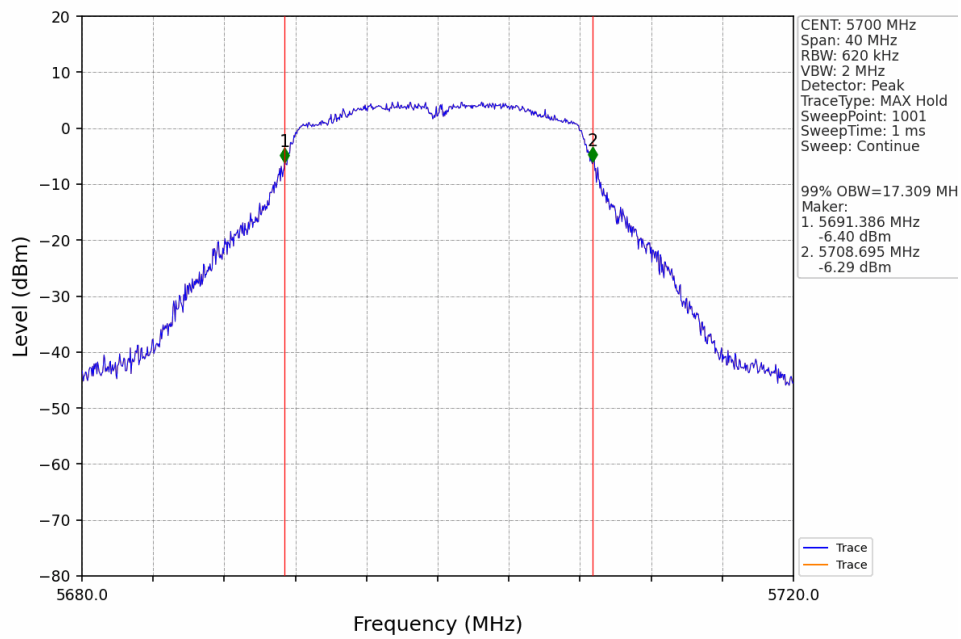


2.2 Test Graph

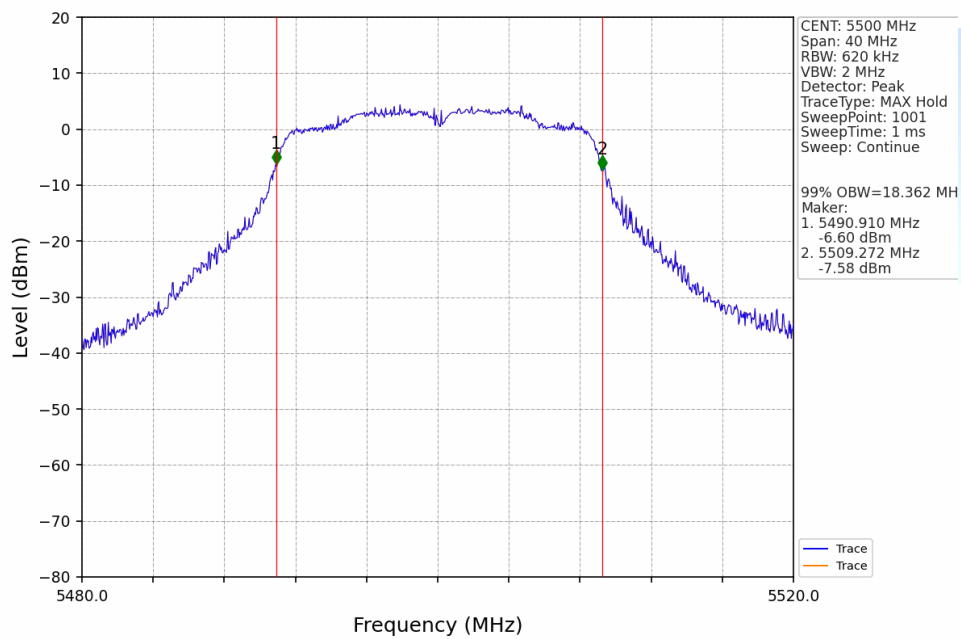
2.2.1 OBW



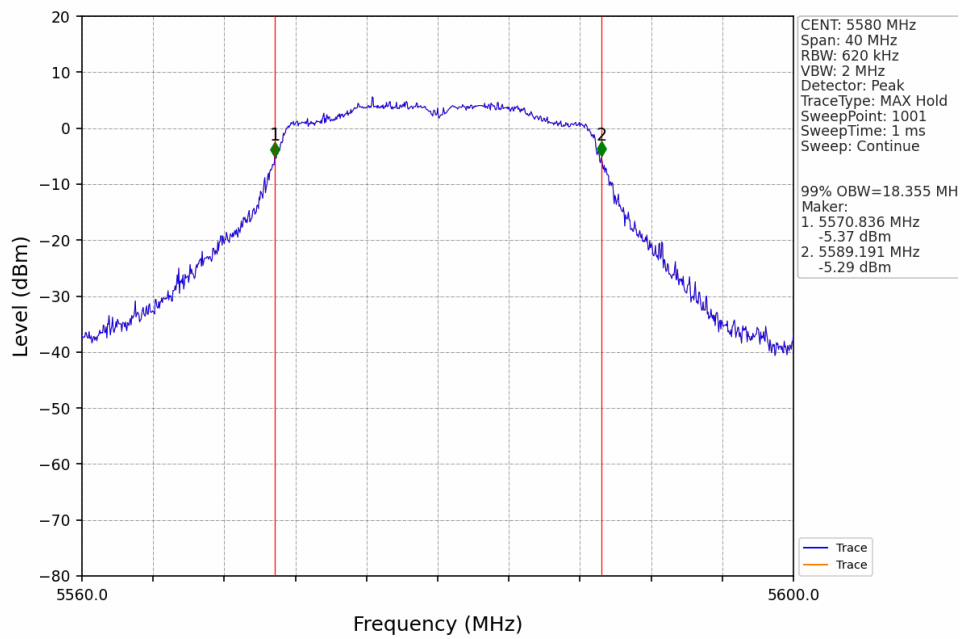
802.11a_HCH_5700MHz_Ant1_NTNV



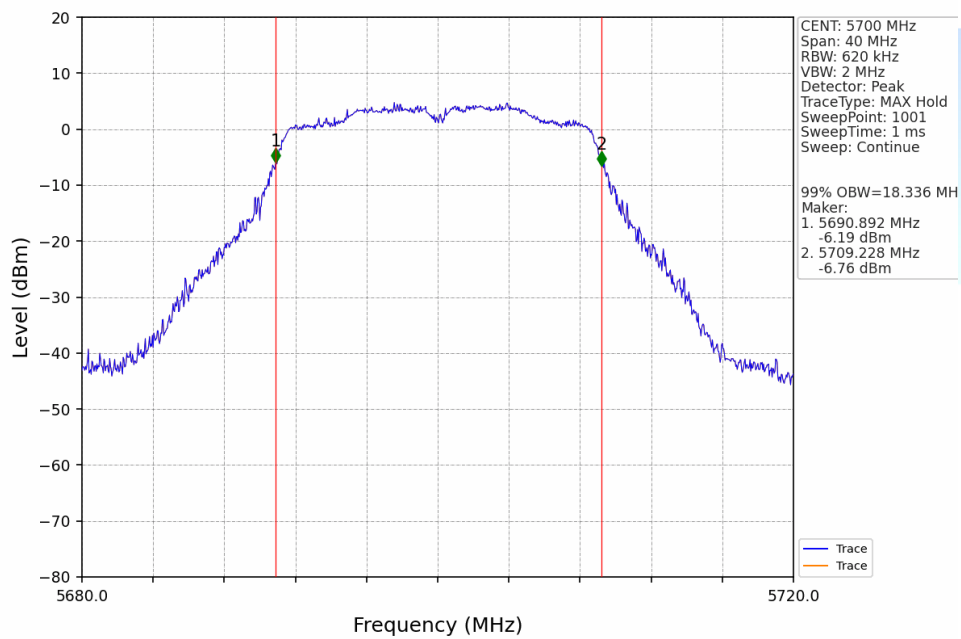
802.11n(HT20)_LCH_5500MHz_Ant1_NTNV



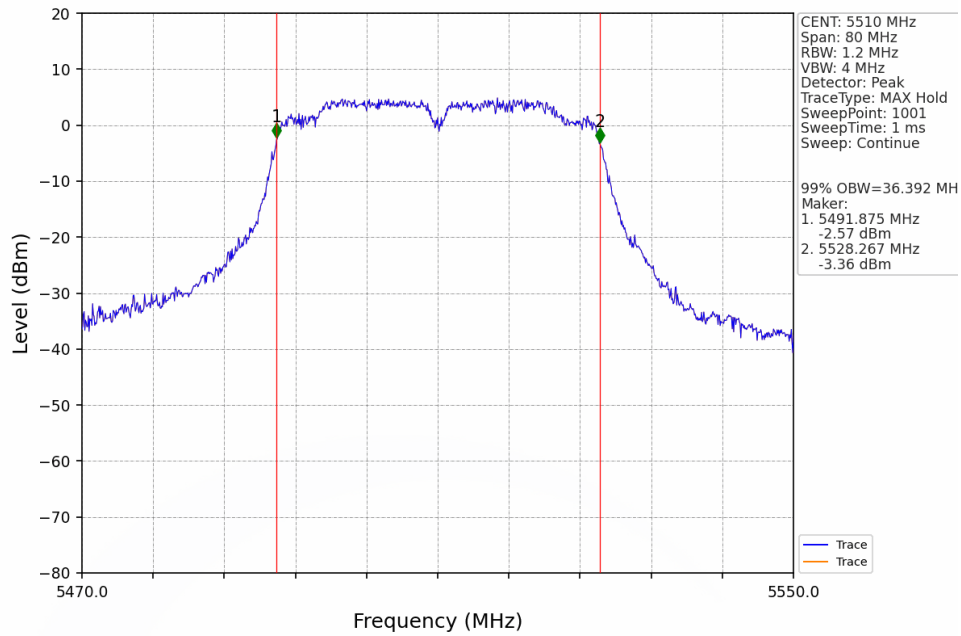
802.11n(HT20)_MCH_5580MHz_Ant1_NTNV



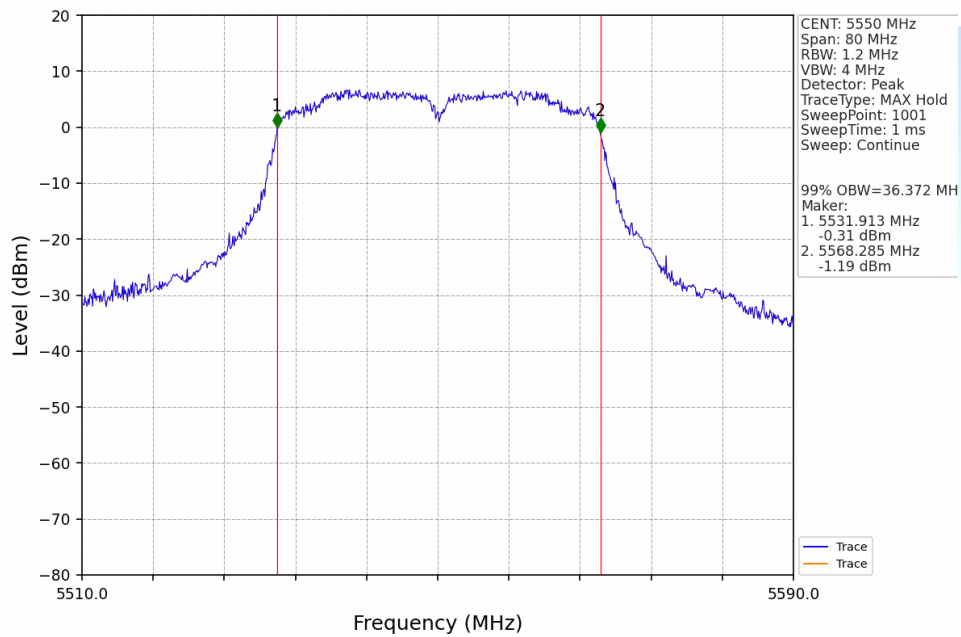
802.11n(HT20)_HCH_5700MHz_Ant1_NTNV



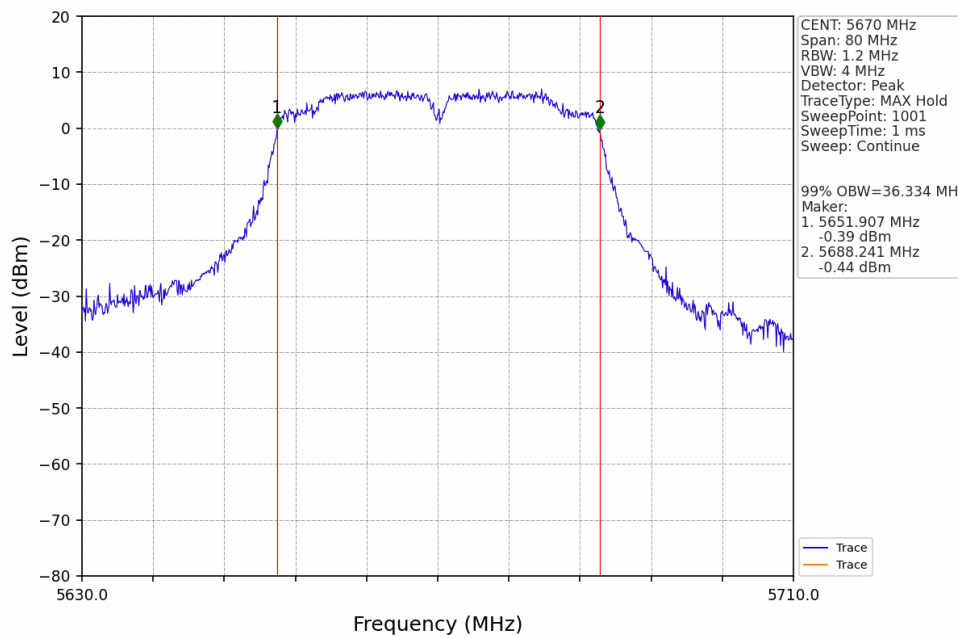
802.11n(HT40) LCH_5510MHz_Ant1_NTNV



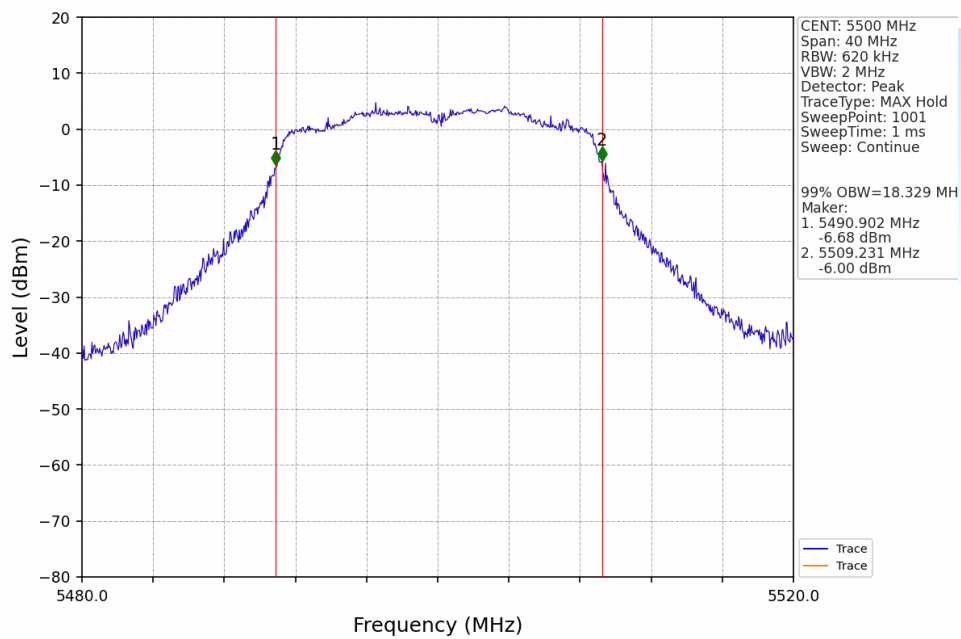
802.11n(HT40) MCH_5550MHz_Ant1_NTNV



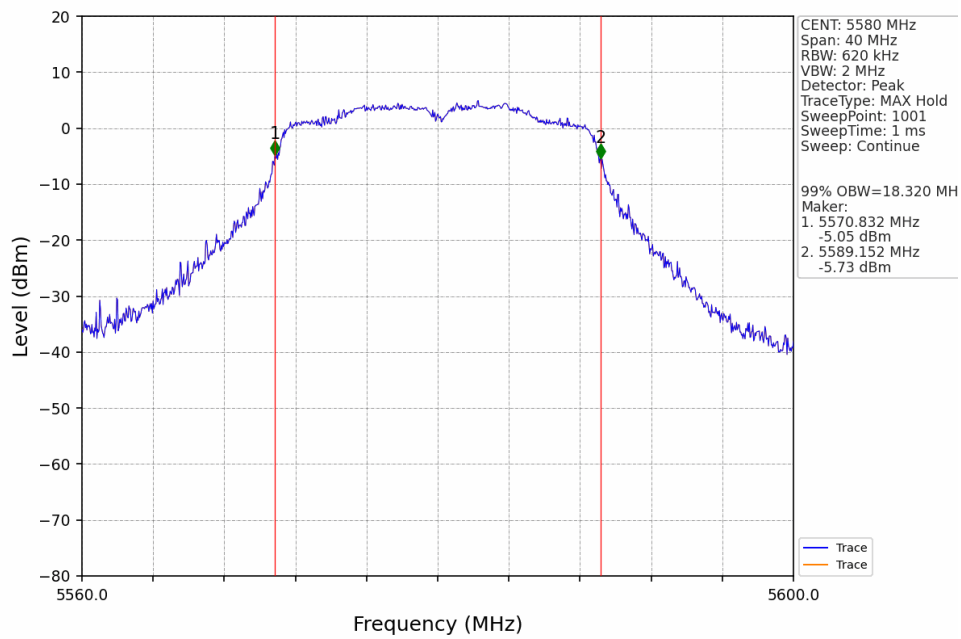
802.11n(HT40) HCH_5670MHz_Ant1_NTNV



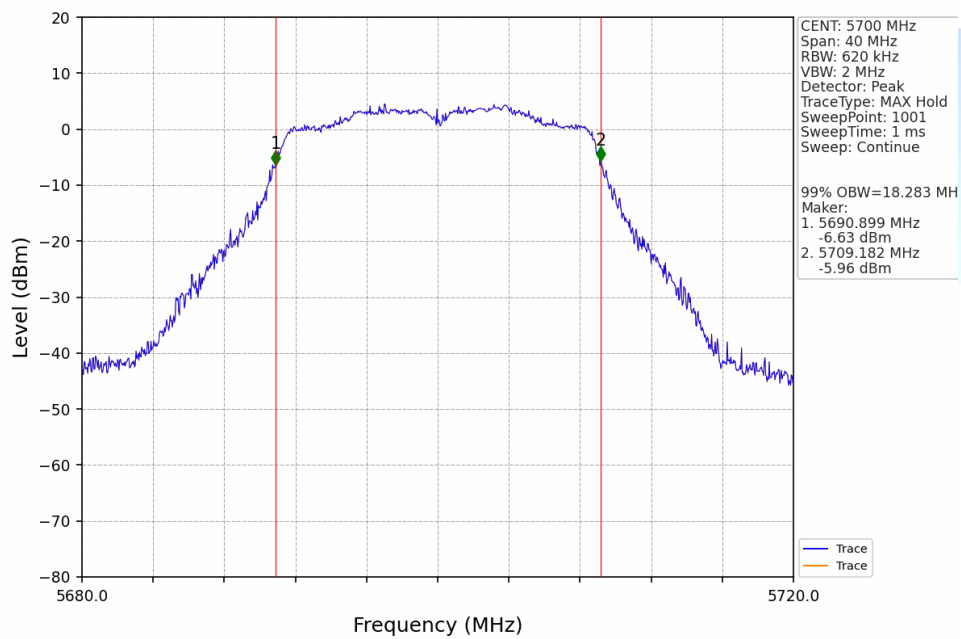
802.11ac(VHT20) LCH_5500MHz_Ant1_NTNV



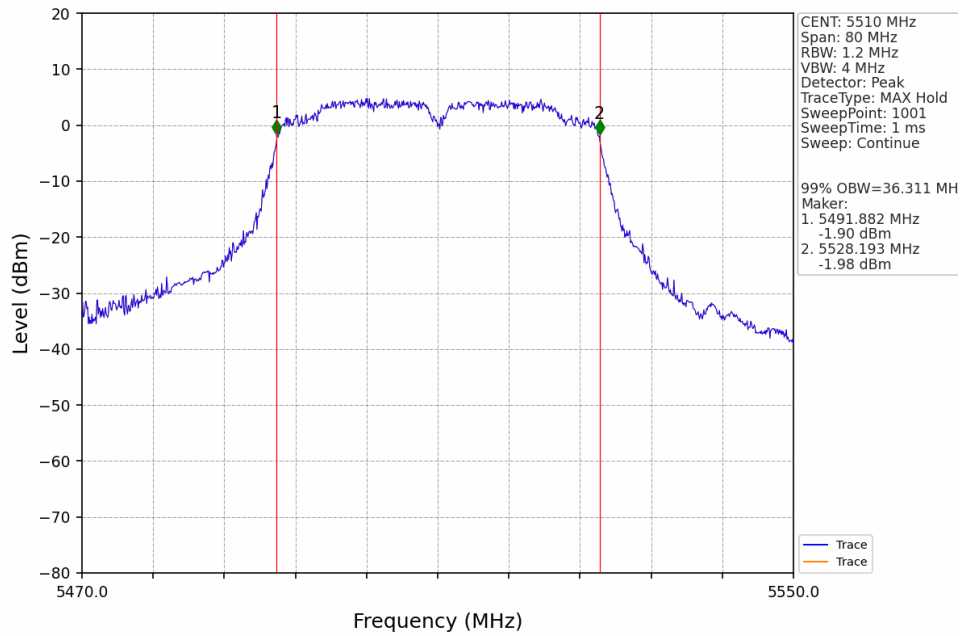
802.11ac(VHT20)_MCH_5580MHz_Ant1_NTNV



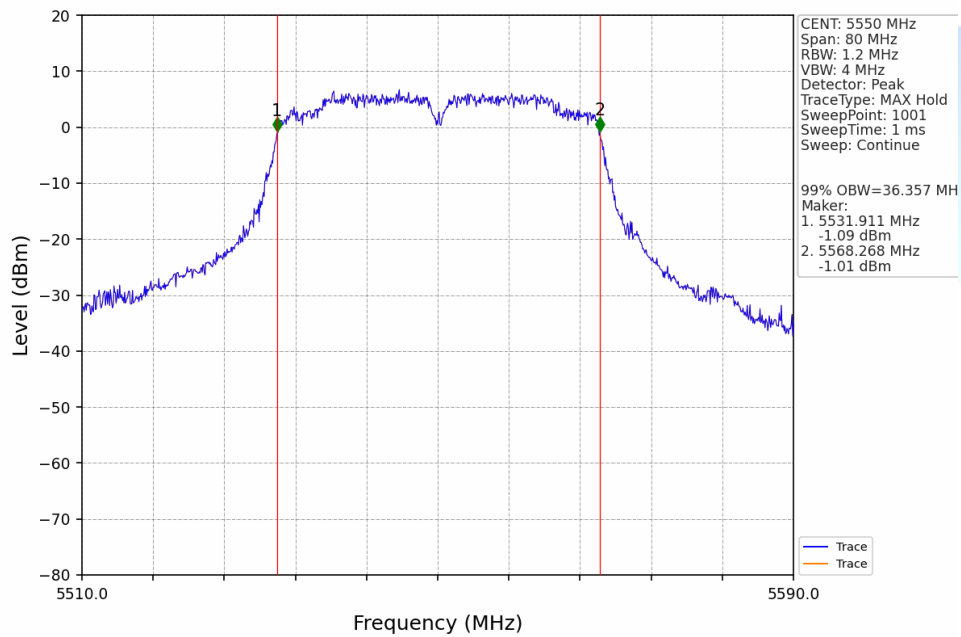
802.11ac(VHT20)_HCH_5700MHz_Ant1_NTNV



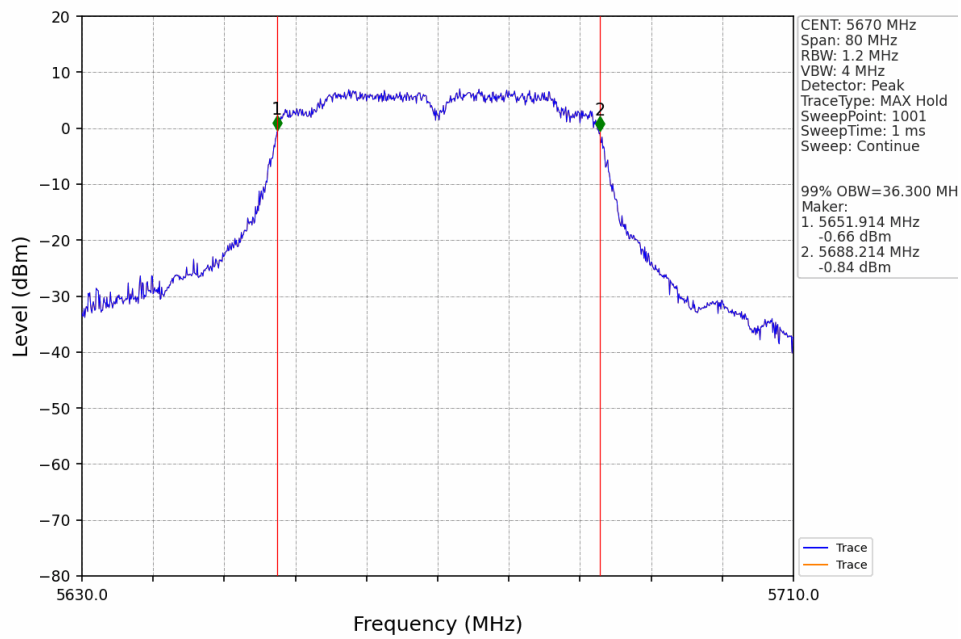
802.11ac(VHT40) LCH_5510MHz_Ant1_NTNV



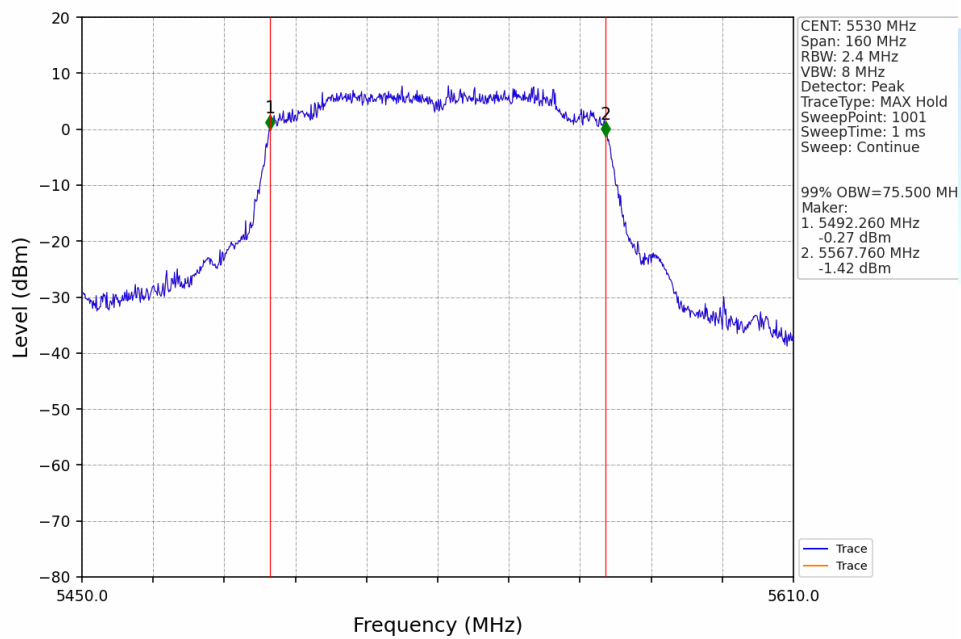
802.11ac(VHT40) MCH_5550MHz_Ant1_NTNV



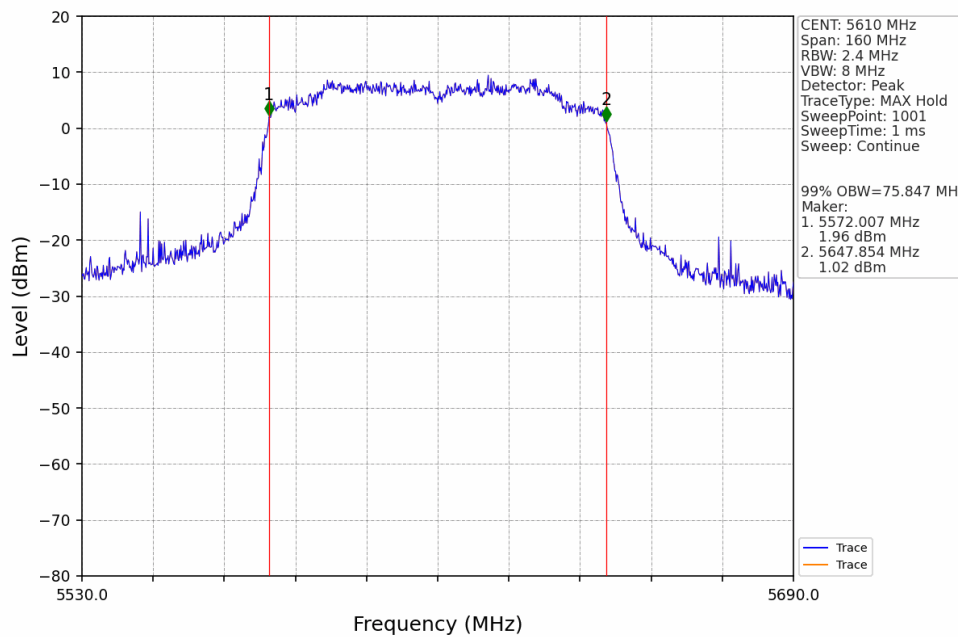
802.11ac(VHT40) HCH_5670MHz_Ant1_NTNV



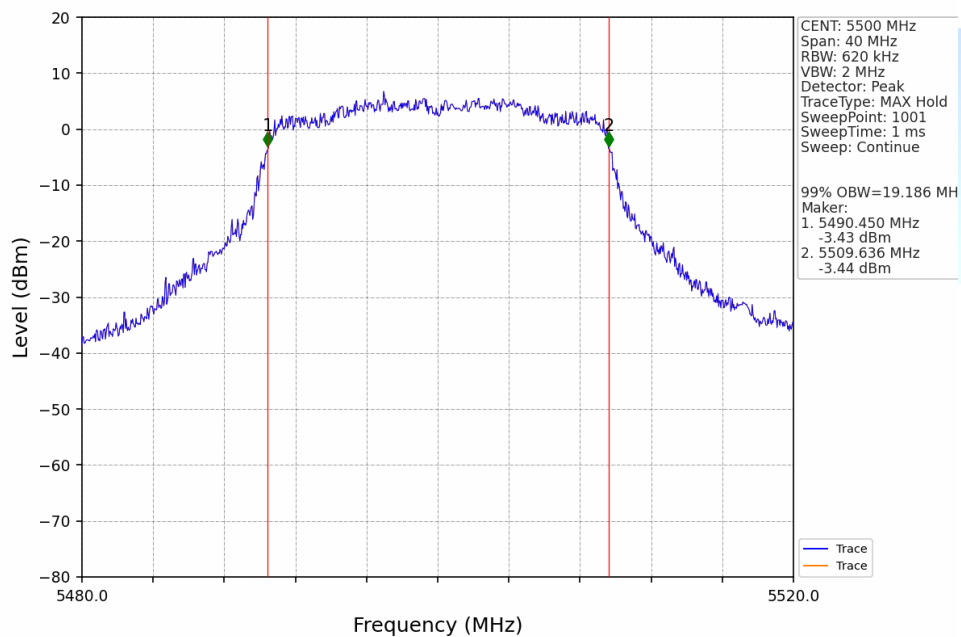
802.11ac(VHT80) LCH_5530MHz_Ant1_NTNV



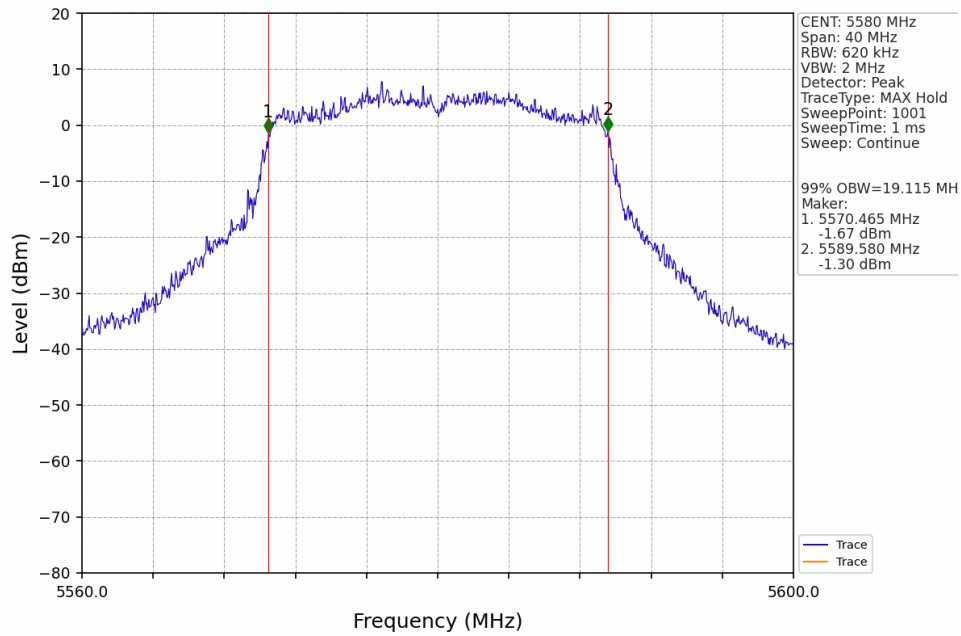
802.11ac(VHT80) HCH 5610MHz Ant1 NTN



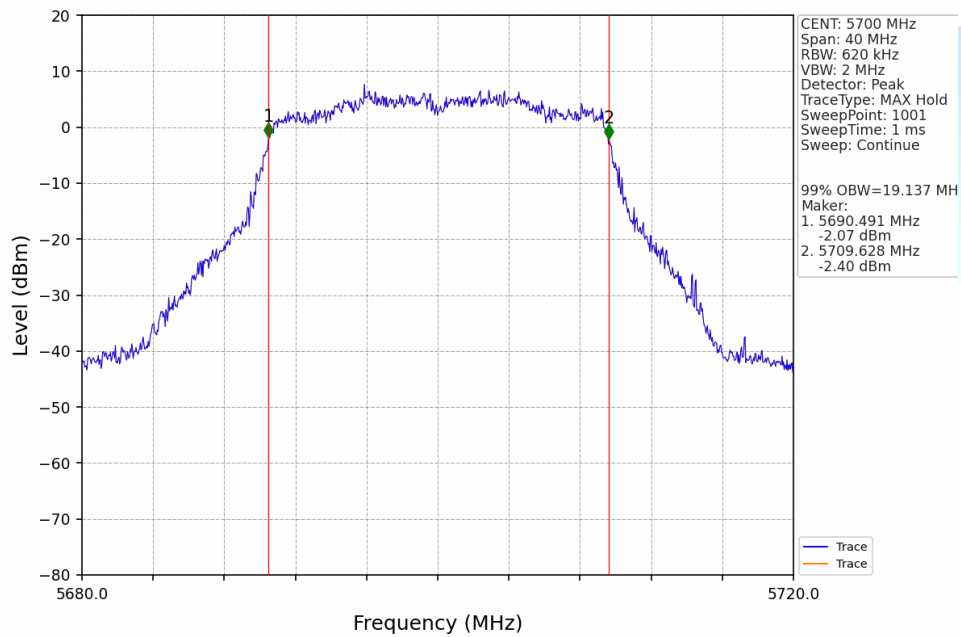
802.11ax(HEW20) LCH 5500MHz SU / Ant1 NTN



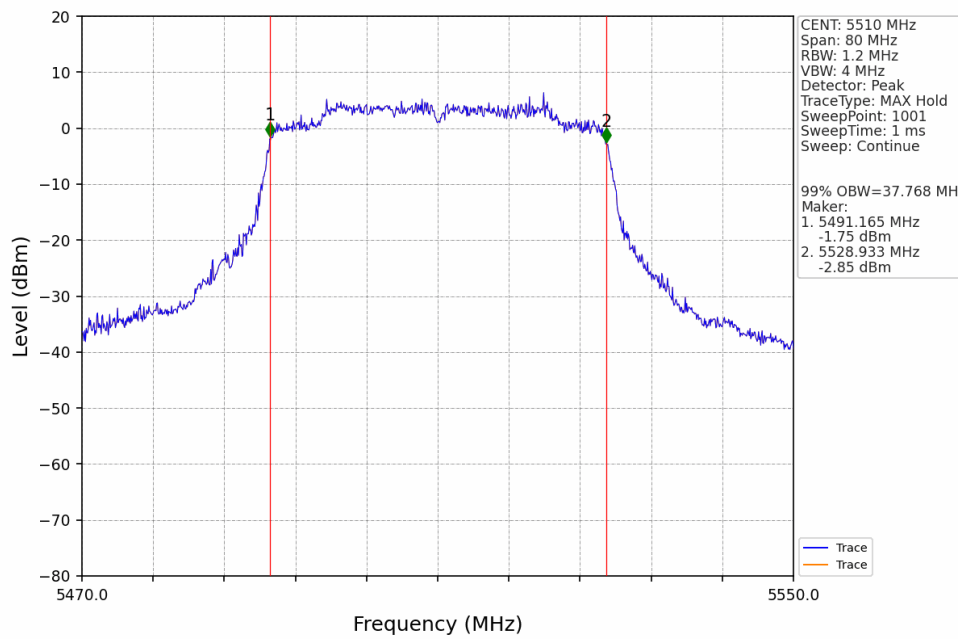
802.11ax(HEW20)_MCH_5580MHz_SU / Ant1_NTNV



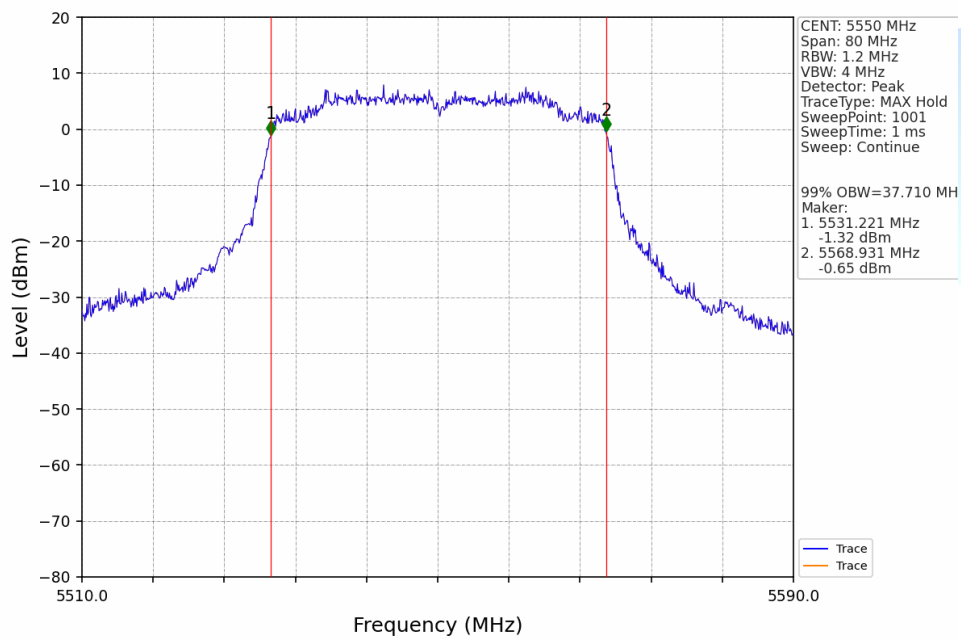
802.11ax(HEW20)_HCH_5700MHz_SU / Ant1_NTNV



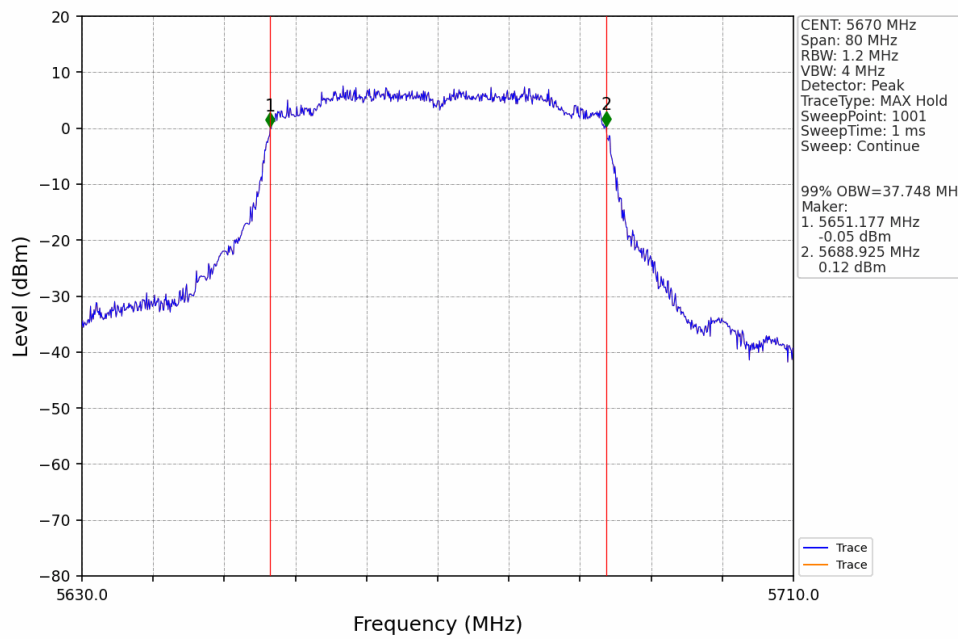
802.11ax(HEW40)_LCH_5510MHz_SU_ / _Ant1_NTNV



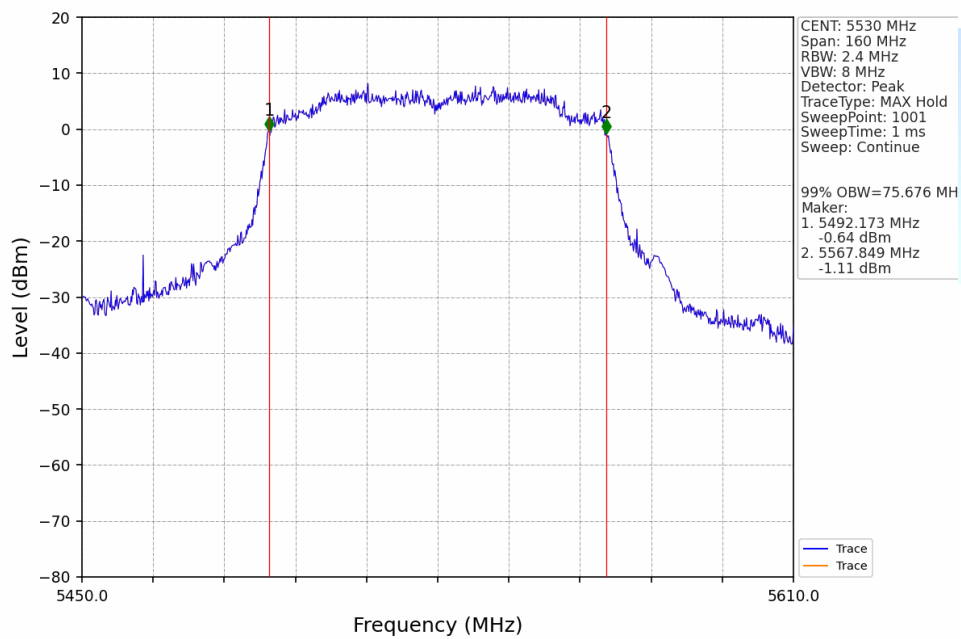
802.11ax(HEW40)_MCH_5550MHz_SU_ / _Ant1_NTNV

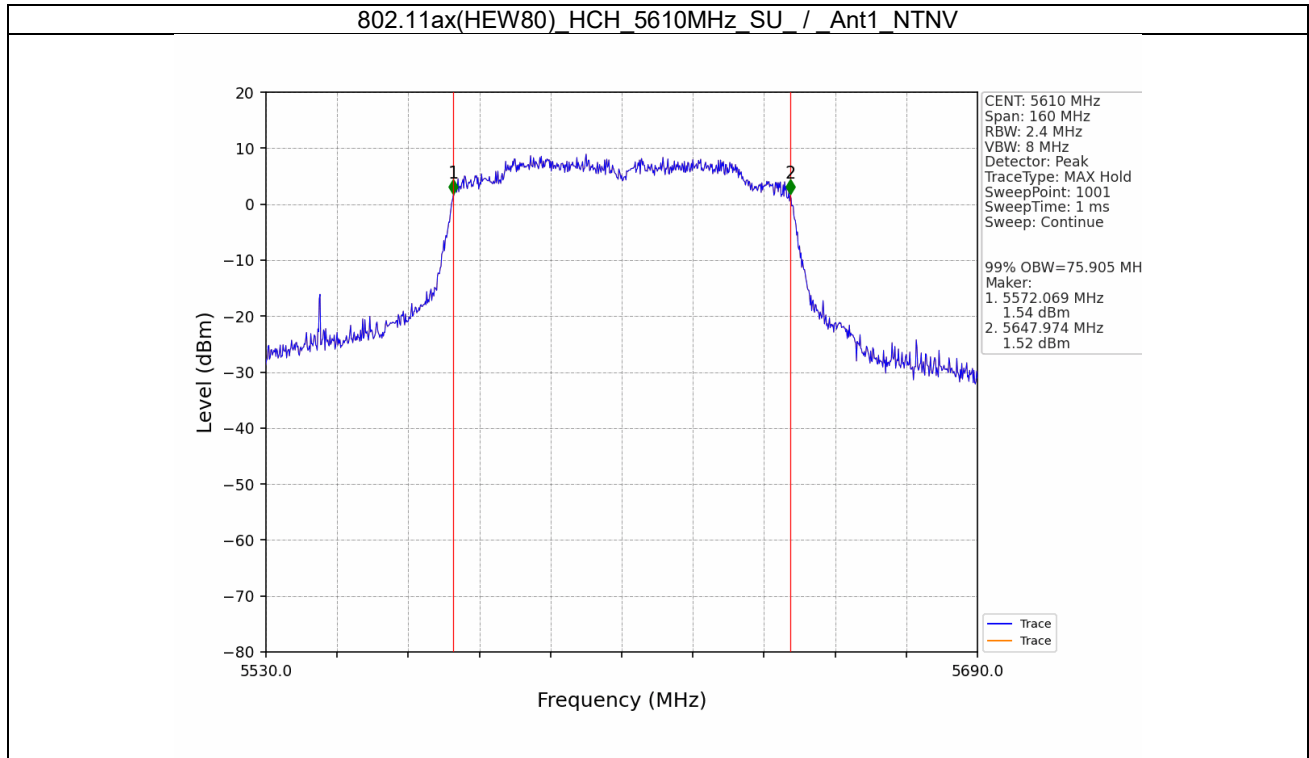


802.11ax(HEW40)_HCH_5670MHz_SU / Ant1_NTNV

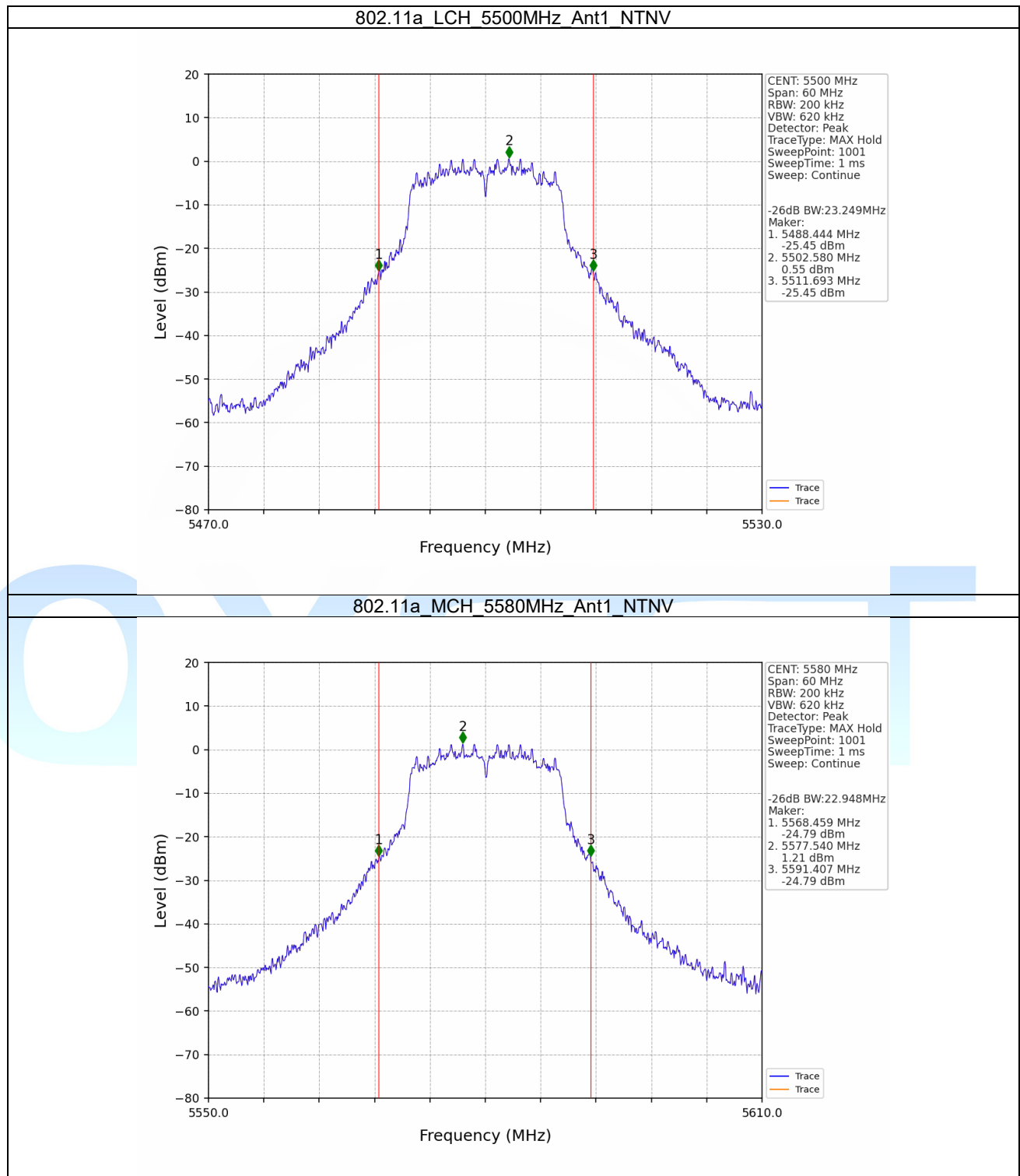


802.11ax(HEW80)_LCH_5530MHz_SU / Ant1_NTNV

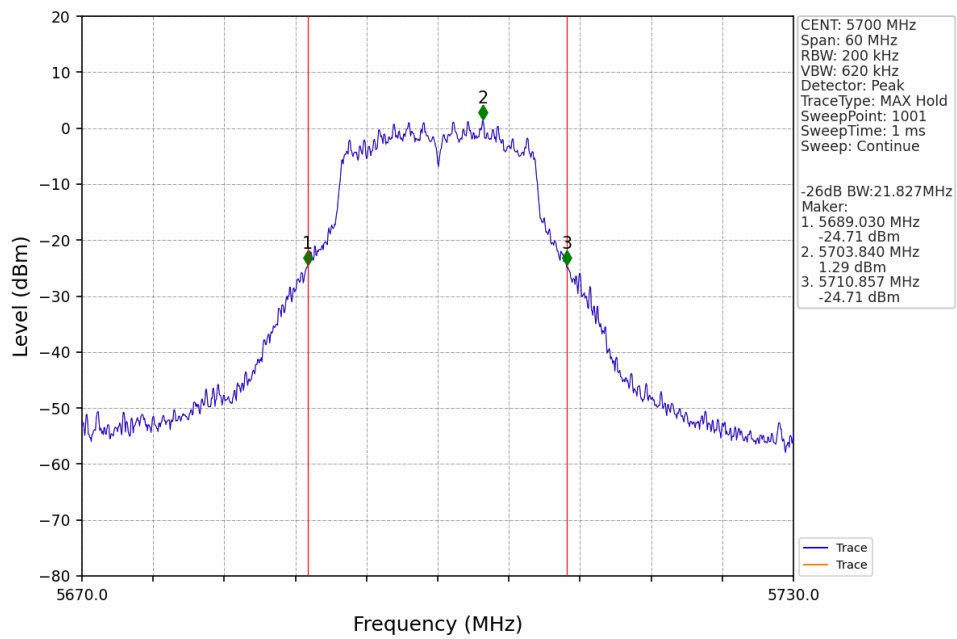




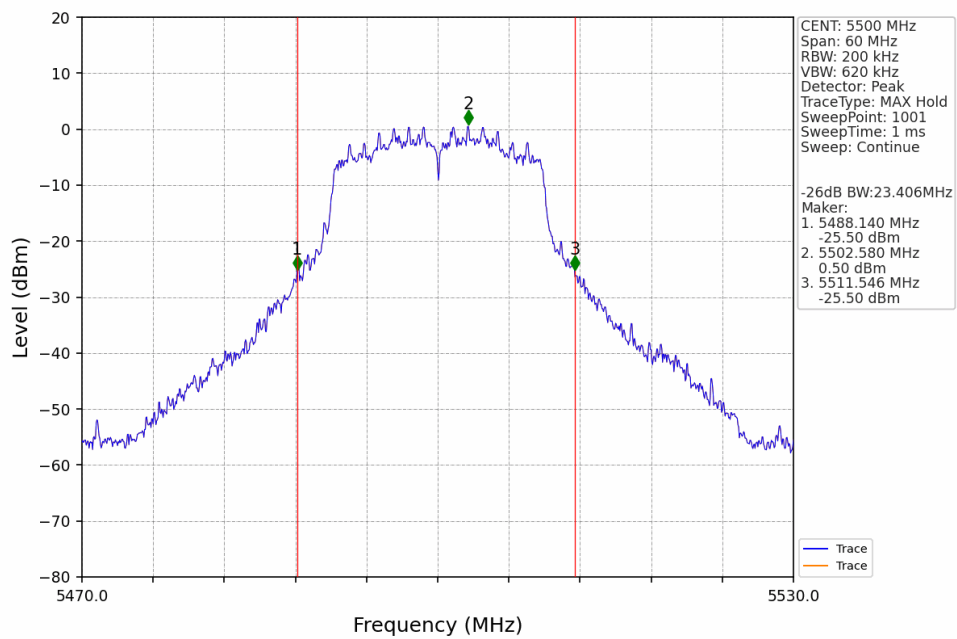
2.2.2 26dB BW



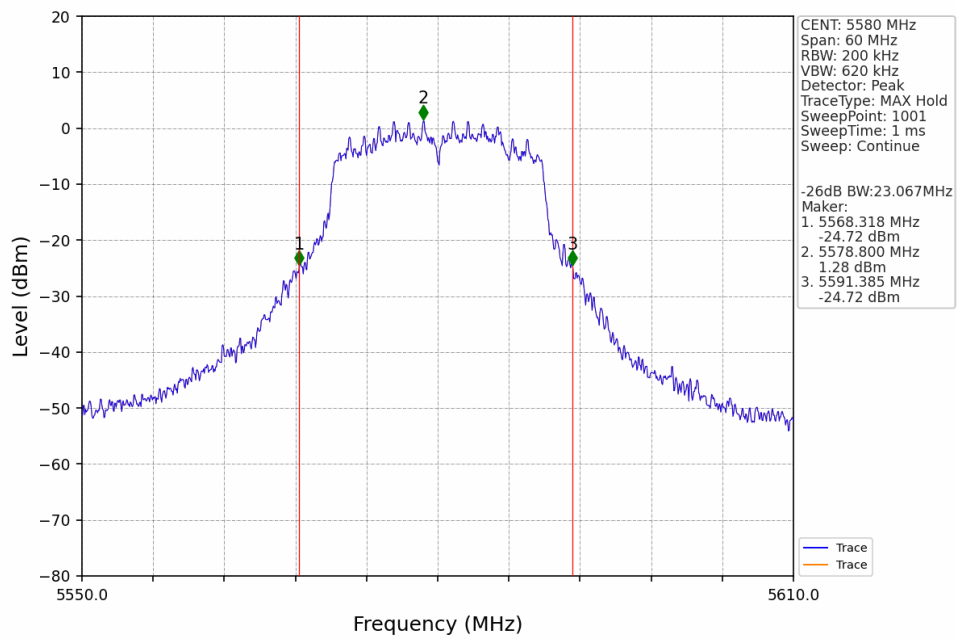
802.11a_HCH_5700MHz_Ant1_NTNV



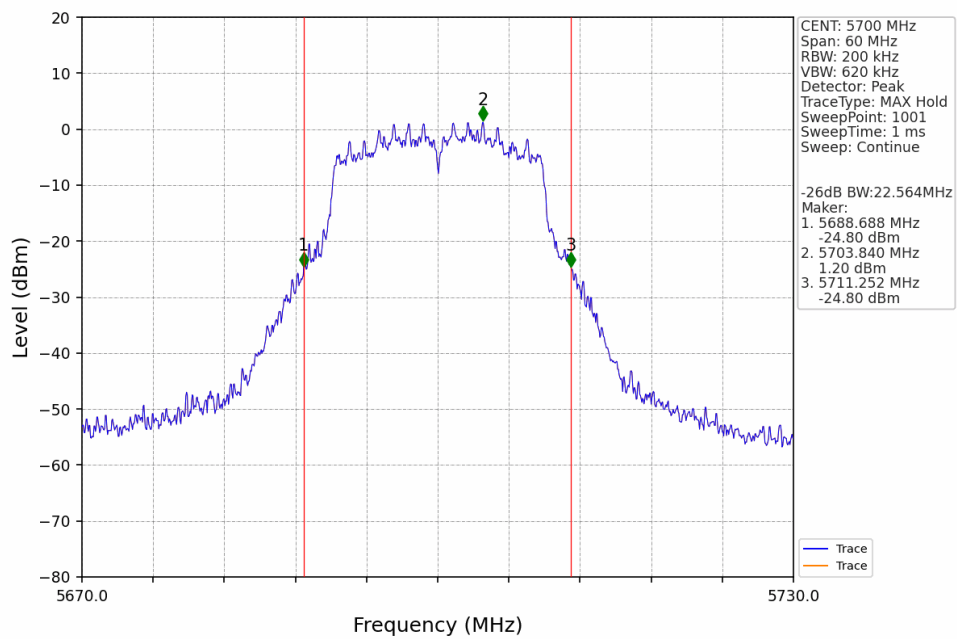
802.11n(HT20)_LCH_5500MHz_Ant1_NTNV



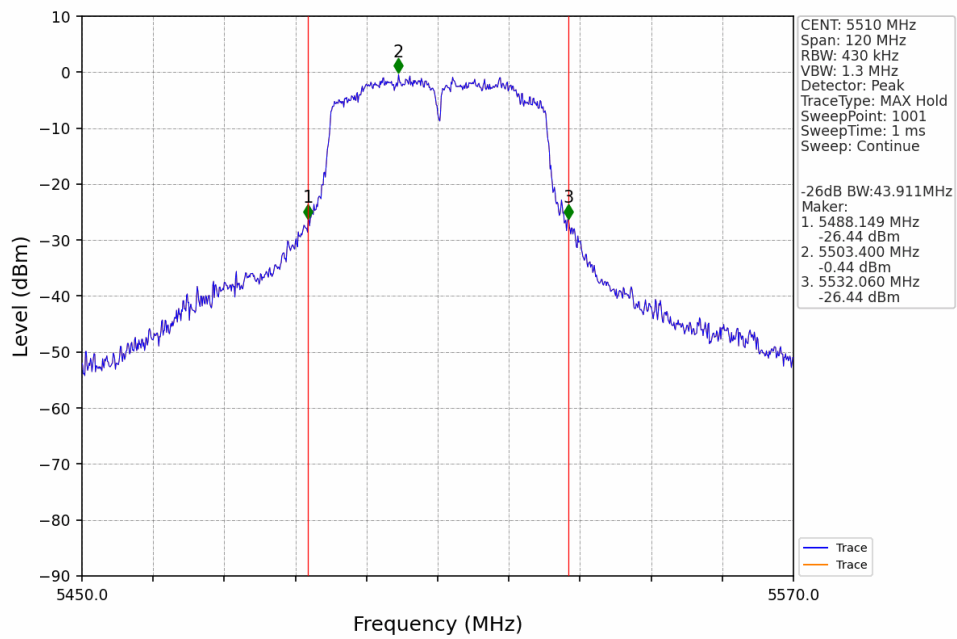
802.11n(HT20)_MCH_5580MHz_Ant1_NTNV



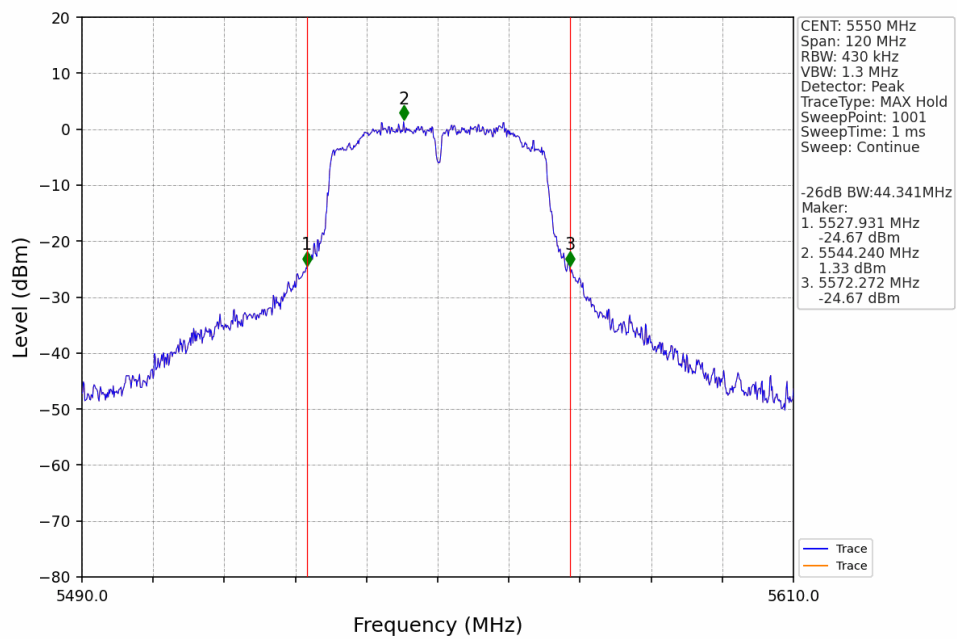
802.11n(HT20)_HCH_5700MHz_Ant1_NTNV



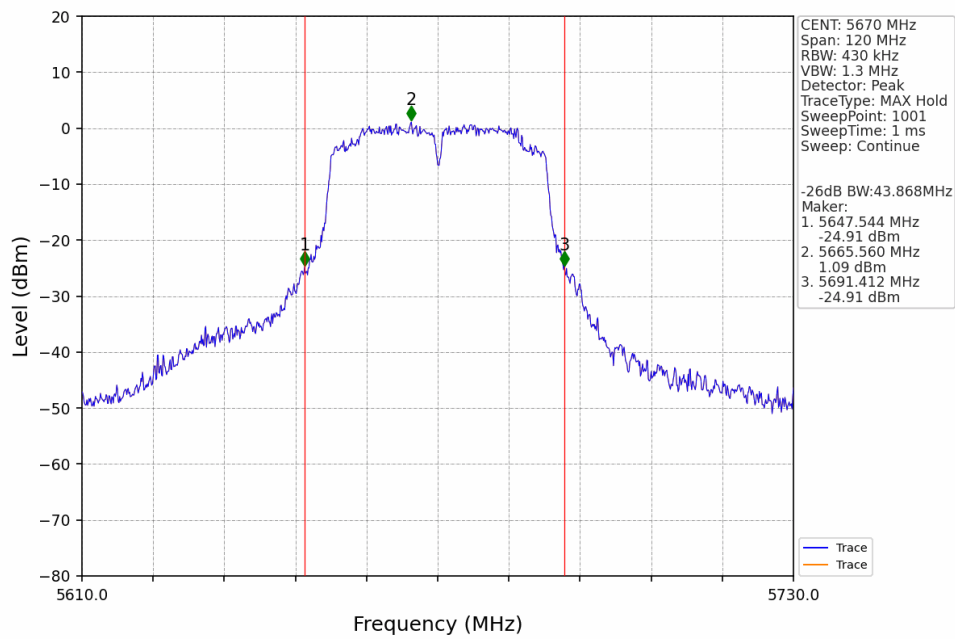
802.11n(HT40) LCH_5510MHz_Ant1_NTNV



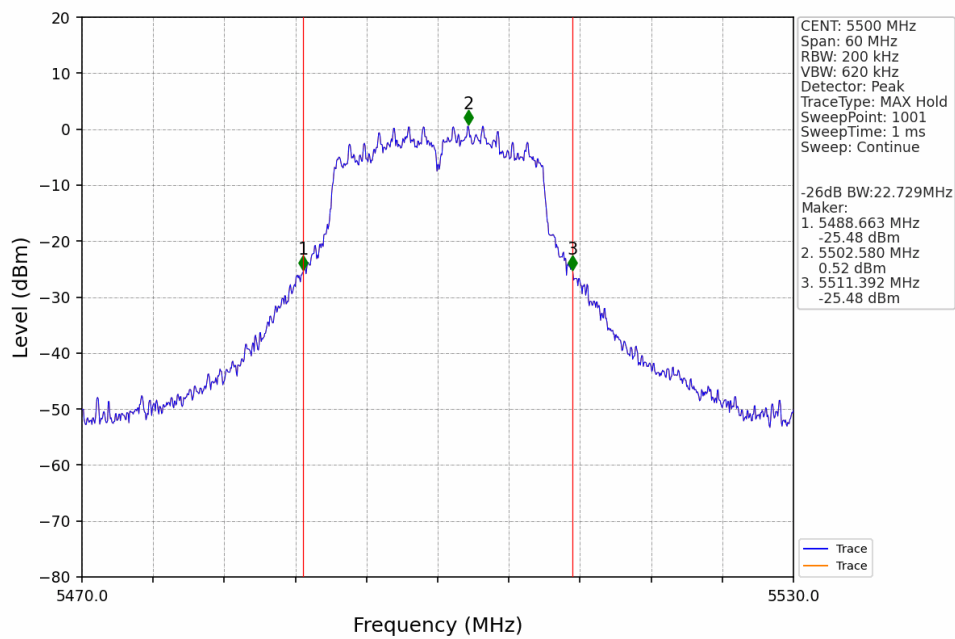
802.11n(HT40) MCH_5550MHz_Ant1_NTNV



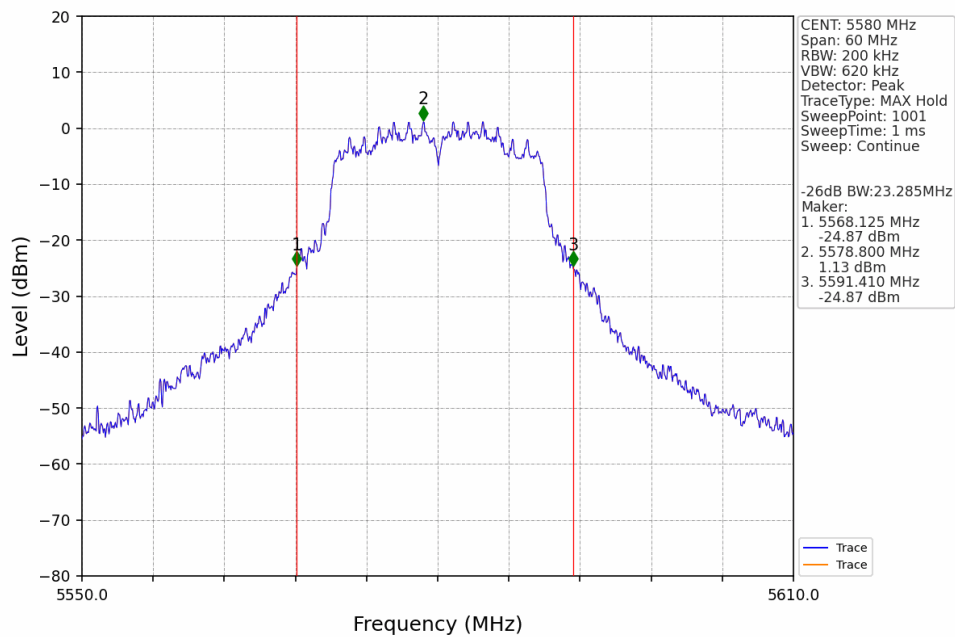
802.11n(HT40) HCH_5670MHz_Ant1_NTNV



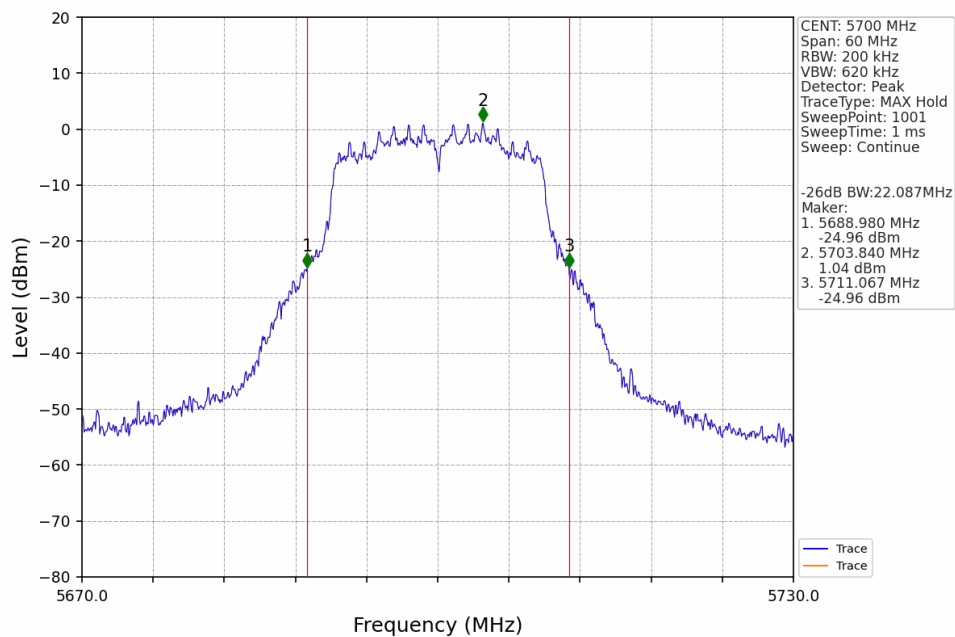
802.11ac(VHT20) LCH_5500MHz_Ant1_NTNV



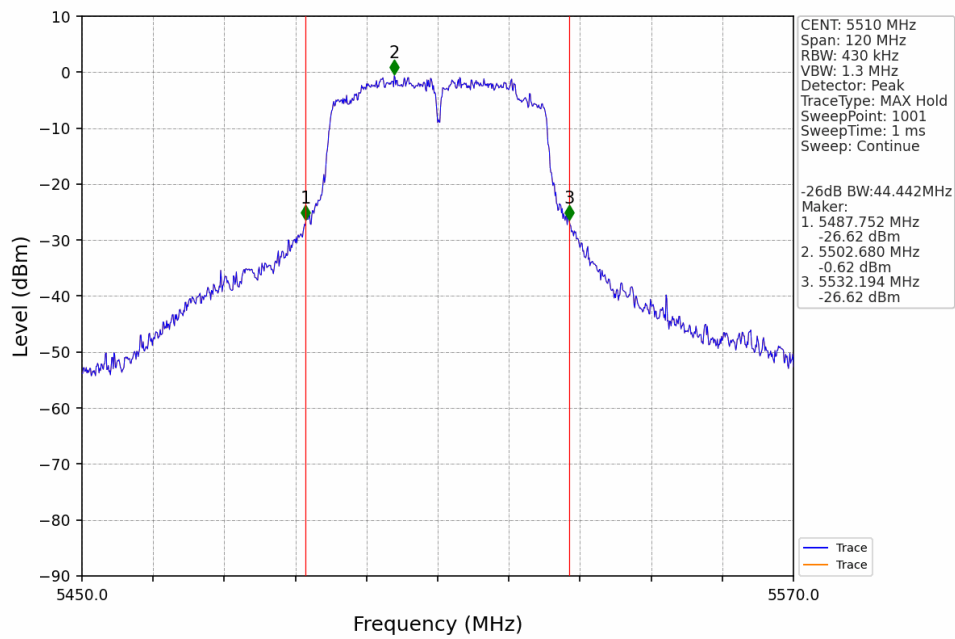
802.11ac(VHT20)_MCH_5580MHz_Ant1_NTNV



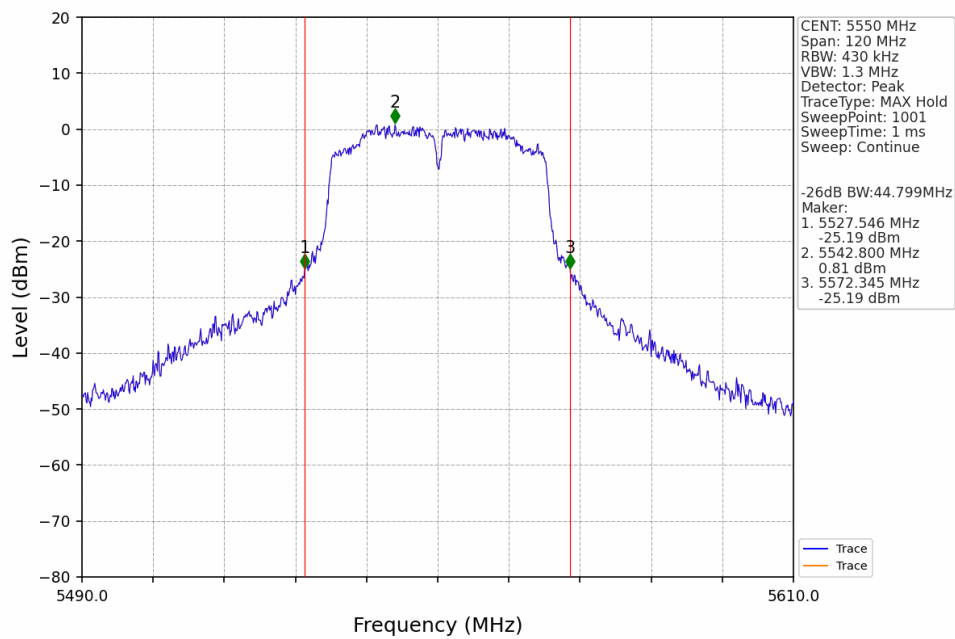
802.11ac(VHT20)_HCH_5700MHz_Ant1_NTNV



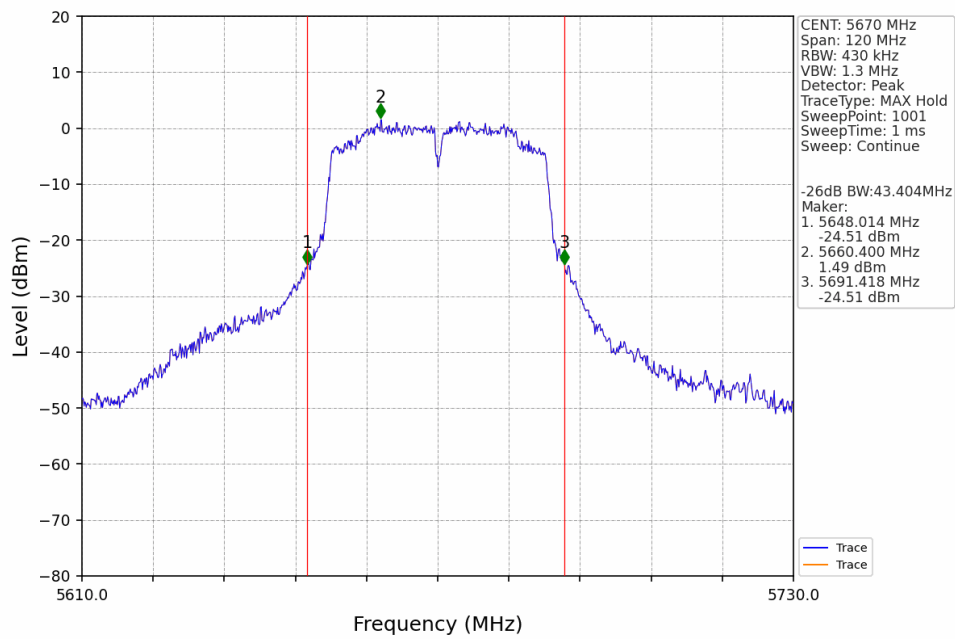
802.11ac(VHT40)_LCH_5510MHz_Ant1_NTNV



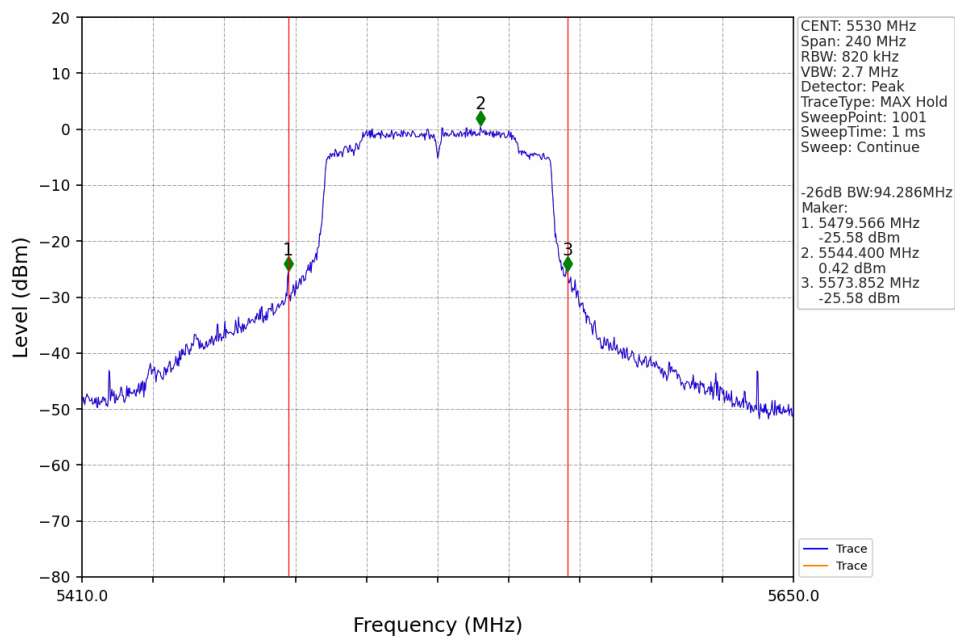
802.11ac(VHT40)_MCH_5550MHz_Ant1_NTNV



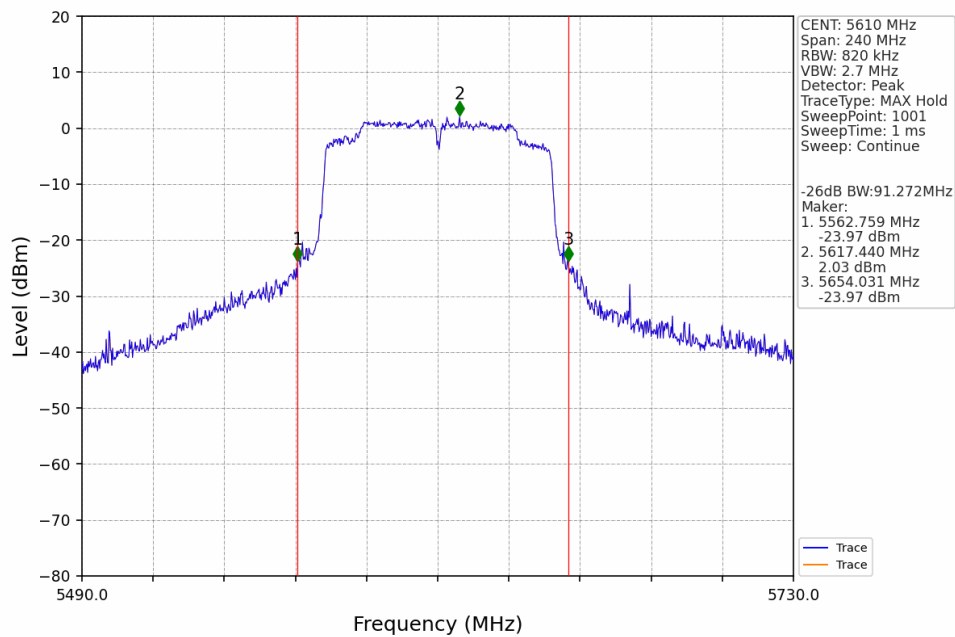
802.11ac(VHT40) HCH 5670MHz_Ant1_NTNV



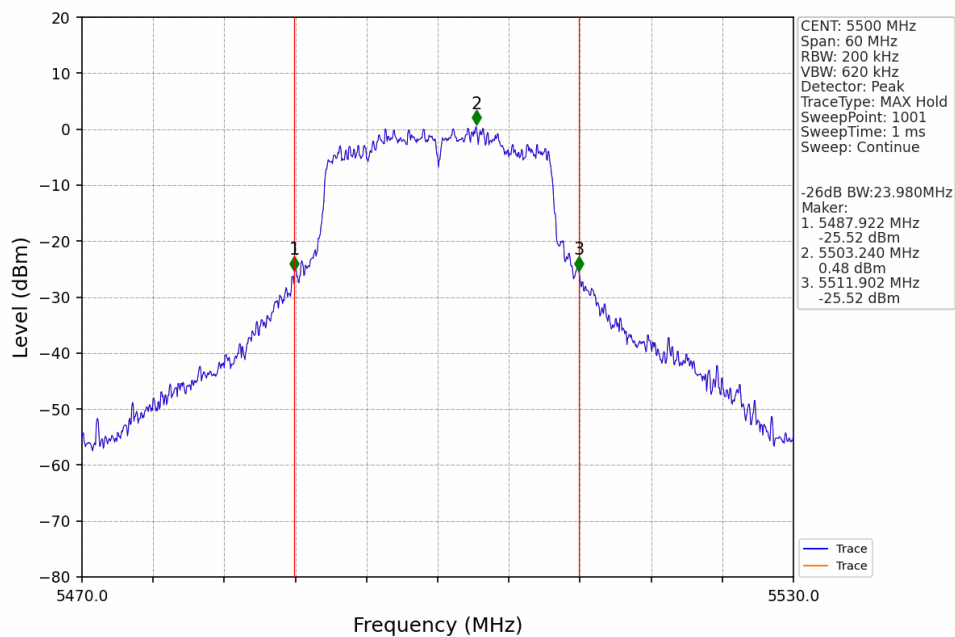
802.11ac(VHT80) LCH 5530MHz_Ant1_NTNV



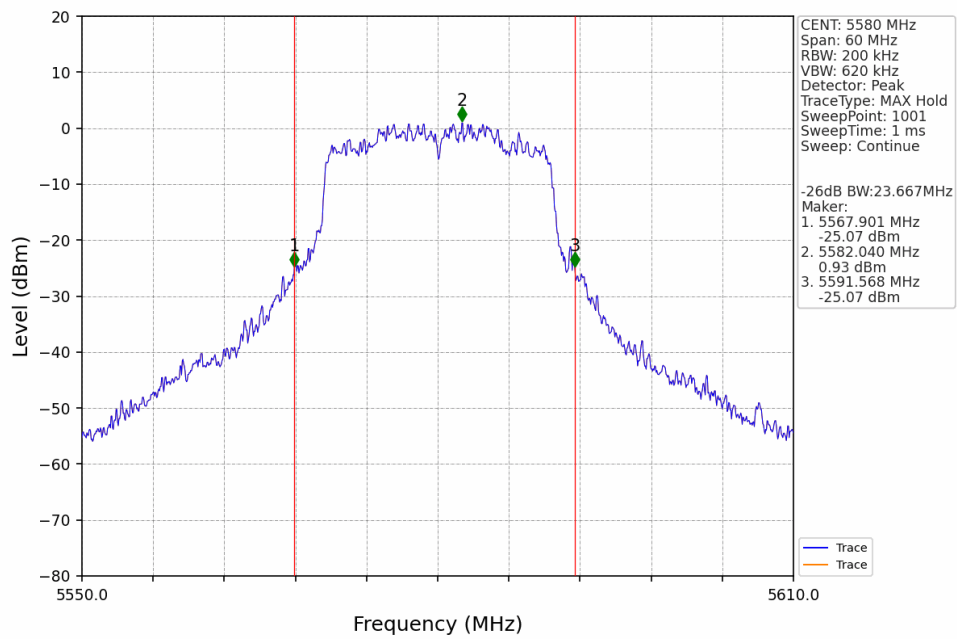
802.11ac(VHT80) HCH 5610MHz Ant1 NTN



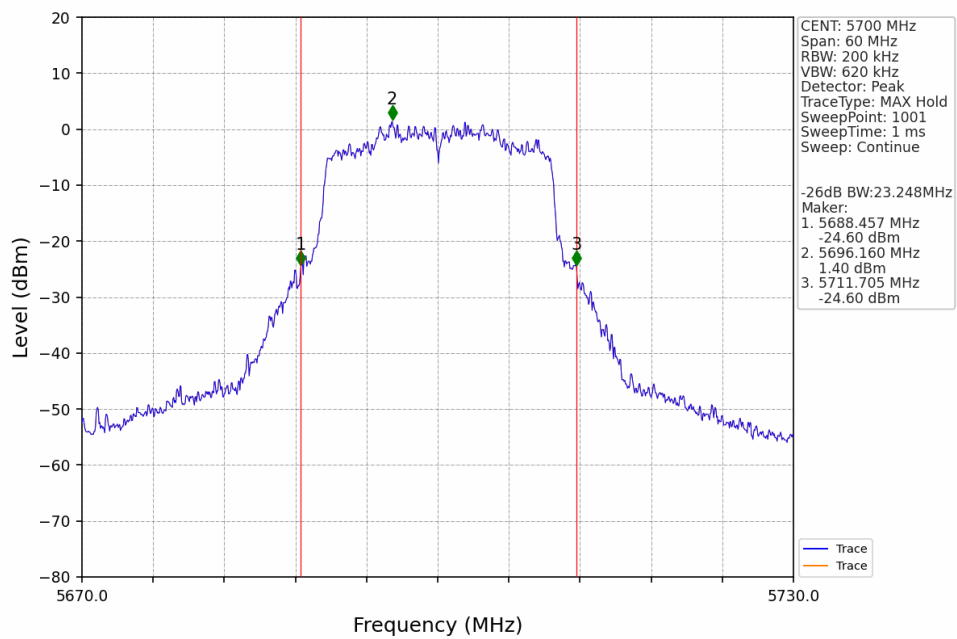
802.11ax(HEW20) LCH 5500MHz SU / Ant1 NTN



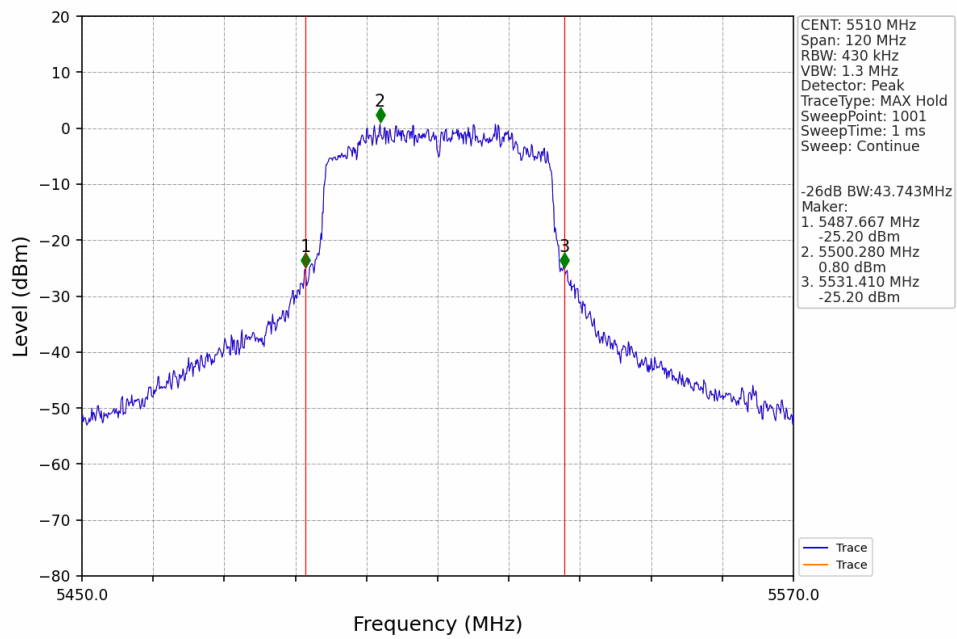
802.11ax(HEW20)_MCH_5580MHz_SU / Ant1_NTNV



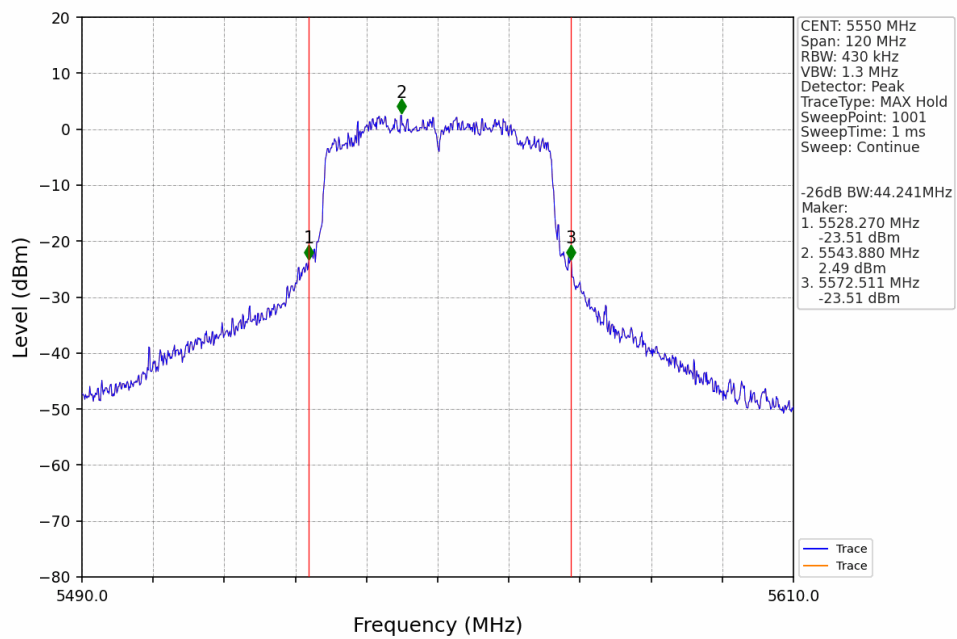
802.11ax(HEW20)_HCH_5700MHz_SU / Ant1_NTNV



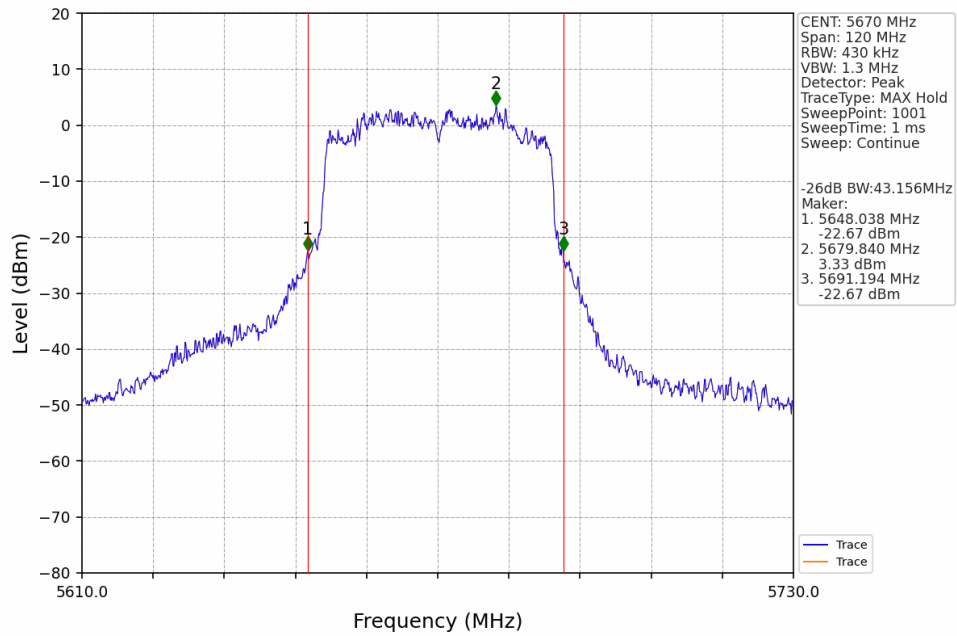
802.11ax(HEW40)_LCH_5510MHz_SU_ / Ant1_NTNV



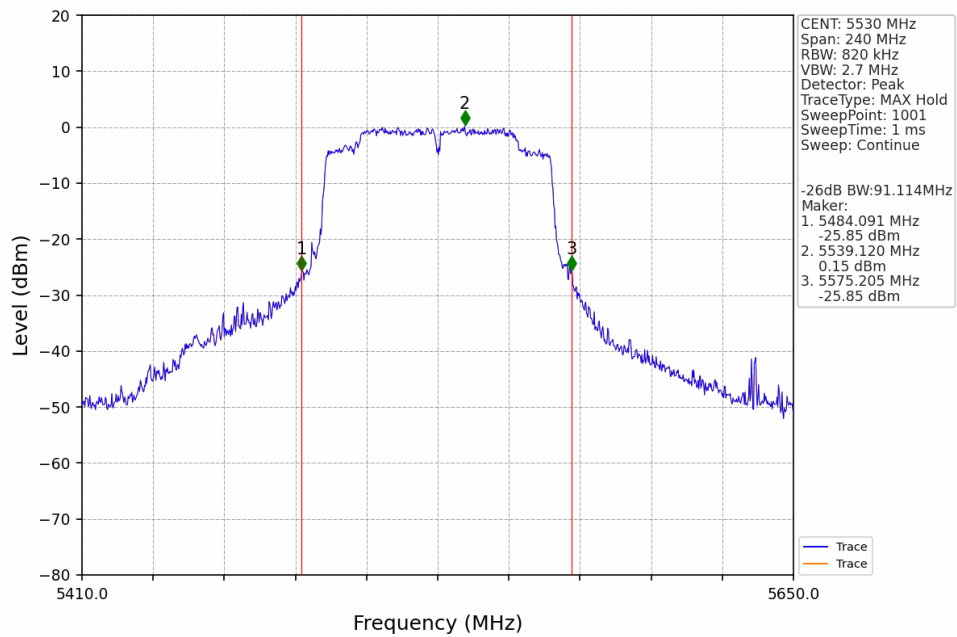
802.11ax(HEW40)_MCH_5550MHz_SU_ / Ant1_NTNV

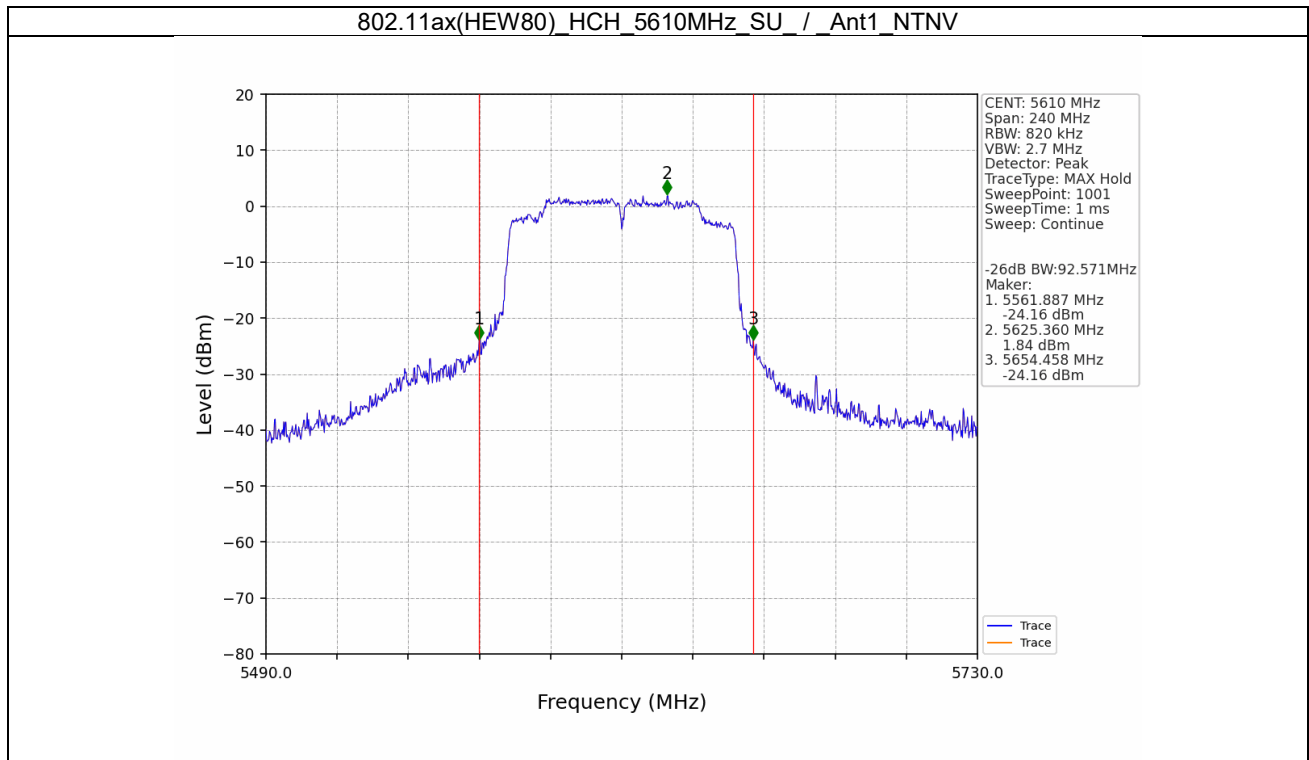


802.11ax(HEW40)_HCH_5670MHz_SU_ / Ant1_NTNV



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	/	/	9.40	<=23.98	Pass
		5580	/	/	10.13	<=23.98	Pass
		5700	/	/	10.01	<=23.98	Pass
802.11n (HT20)	SISO	5500	/	/	9.28	<=23.98	Pass
		5580	/	/	10.10	<=23.98	Pass
		5700	/	/	9.92	<=23.98	Pass
802.11n (HT40)	SISO	5510	/	/	9.07	<=23.98	Pass
		5550	/	/	10.83	<=23.98	Pass
		5670	/	/	11.04	<=23.98	Pass
802.11ac (VHT20)	SISO	5500	/	/	9.27	<=23.98	Pass
		5580	/	/	9.87	<=23.98	Pass
		5700	/	/	9.73	<=23.98	Pass
802.11ac (VHT40)	SISO	5510	/	/	14.75	<=23.98	Pass
		5550	/	/	10.74	<=23.98	Pass
		5670	/	/	11.07	<=23.98	Pass
802.11ac (VHT80)	SISO	5530	/	/	10.65	<=23.98	Pass
		5610	/	/	11.66	<=23.98	Pass
802.11ax (HEW20)	SISO	5500	SU	/	8.93	<=23.98	Pass
		5580	SU	/	9.75	<=23.98	Pass
		5700	SU	/	9.54	<=23.98	Pass
802.11ax (HEW40)	SISO	5510	SU	/	8.72	<=23.98	Pass
		5550	SU	/	10.50	<=23.98	Pass
		5670	SU	/	10.76	<=23.98	Pass
802.11ax (HEW80)	SISO	5530	SU	/	10.49	<=23.98	Pass
		5610	SU	/	11.60	<=23.98	Pass

Note1: Antenna Gain: Ant1: 1.78dBi;

4. Maximum Power Spectral Density

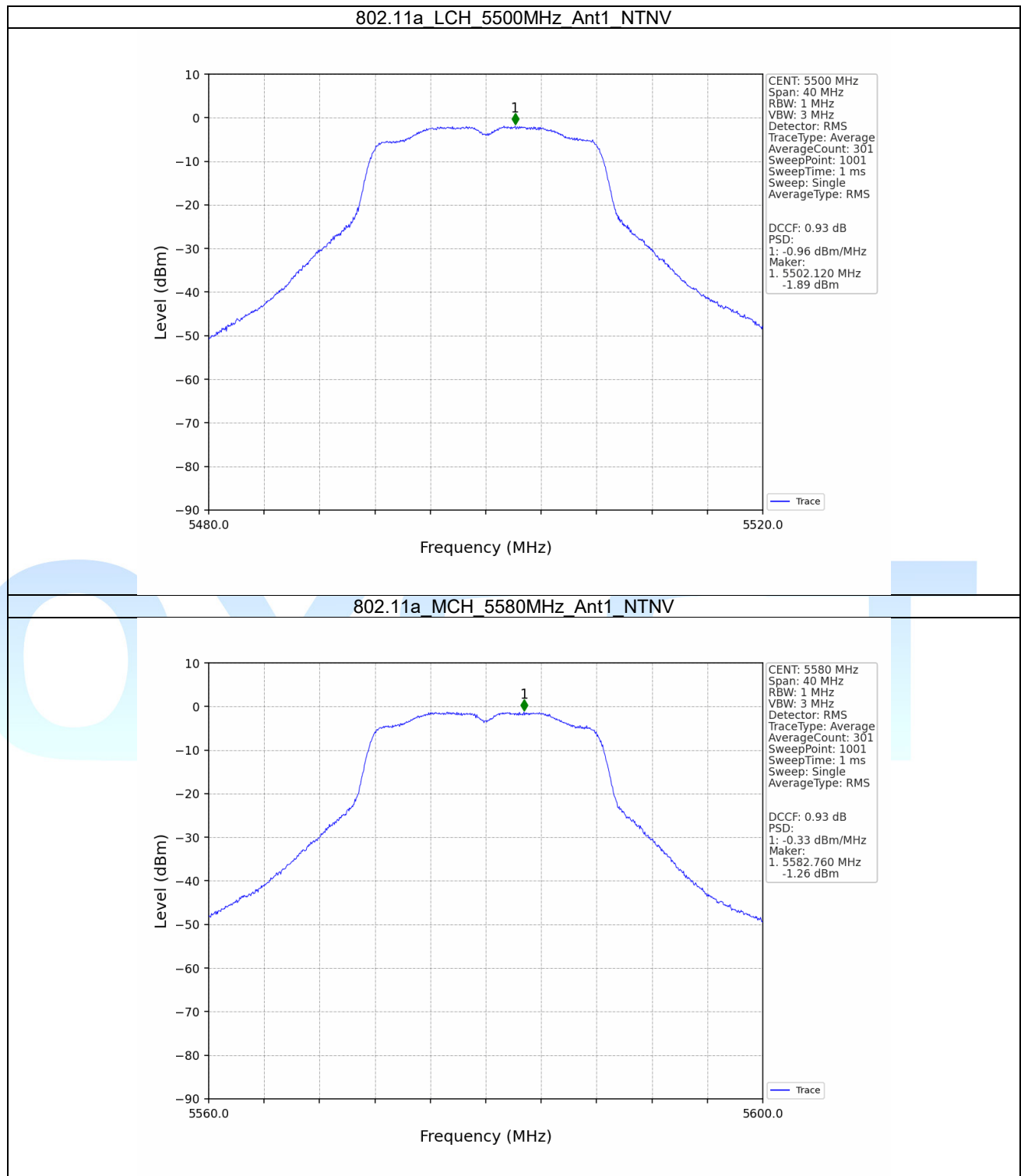
4.1 Test Result

4.1.1 PSD

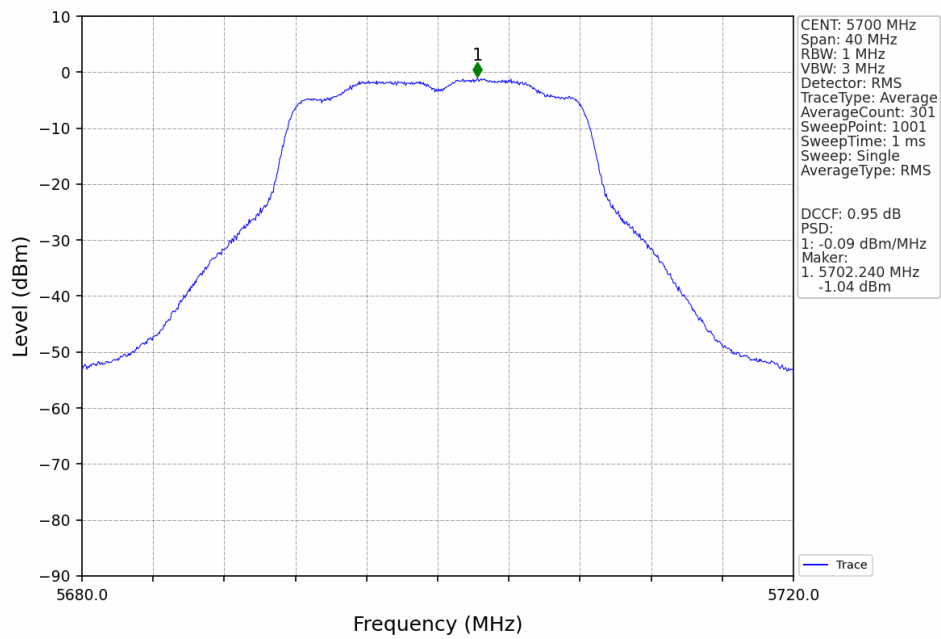
Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum PSD (dBm/MHz)		Verdict
					ANT1	Limit	
802.11a	SISO	5500	/	/	-0.96	<=11	Pass
		5580	/	/	-0.33	<=11	Pass
		5700	/	/	-0.09	<=11	Pass
802.11n (HT20)	SISO	5500	/	/	-1.23	<=11	Pass
		5580	/	/	-0.28	<=11	Pass
		5700	/	/	-0.49	<=11	Pass
802.11n (HT40)	SISO	5510	/	/	-4.72	<=11	Pass
		5550	/	/	-2.86	<=11	Pass
		5670	/	/	-2.84	<=11	Pass
802.11ac (VHT20)	SISO	5500	/	/	-1.16	<=11	Pass
		5580	/	/	-0.56	<=11	Pass
		5700	/	/	-0.73	<=11	Pass
802.11ac (VHT40)	SISO	5510	/	/	-4.21	<=11	Pass
		5550	/	/	-3.13	<=11	Pass
		5670	/	/	-2.85	<=11	Pass
802.11ac (VHT80)	SISO	5530	/	/	-6.26	<=11	Pass
		5610	/	/	-5.18	<=11	Pass
802.11ax (HEW20)	SISO	5500	SU	/	-1.63	<=11	Pass
		5580	SU	/	-1.01	<=11	Pass
		5700	SU	/	-1.14	<=11	Pass
802.11ax (HEW40)	SISO	5510	SU	/	-5.16	<=11	Pass
		5550	SU	/	-3.50	<=11	Pass
		5670	SU	/	-3.01	<=11	Pass
802.11ax (HEW80)	SISO	5530	SU	/	-6.36	<=11	Pass
		5610	SU	/	-5.06	<=11	Pass
Note1: Antenna Gain: Ant1: 1.78dBi; Note2: Test result contains DCCF							

4.2 Test Graph

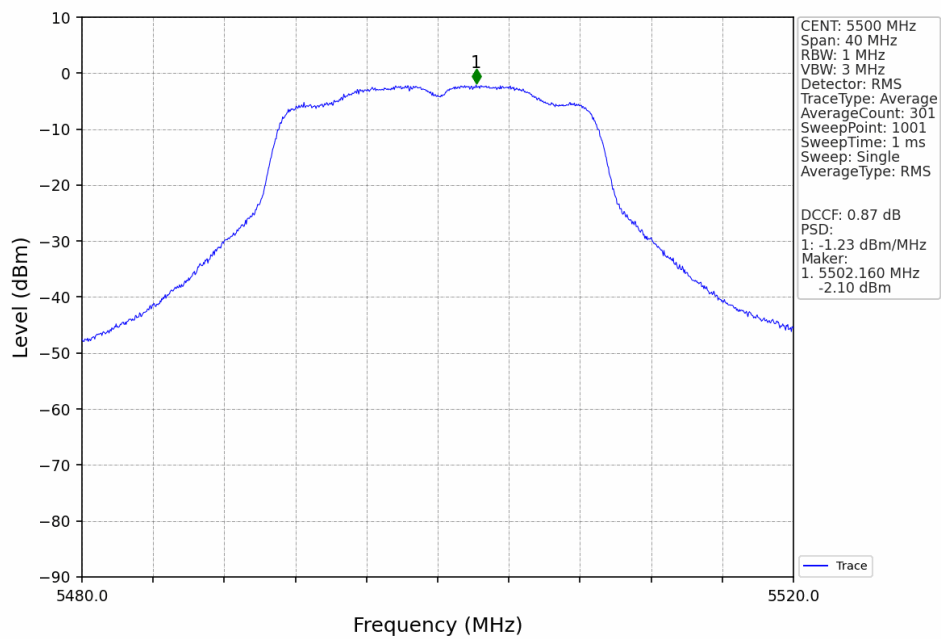
4.2.1 PSD



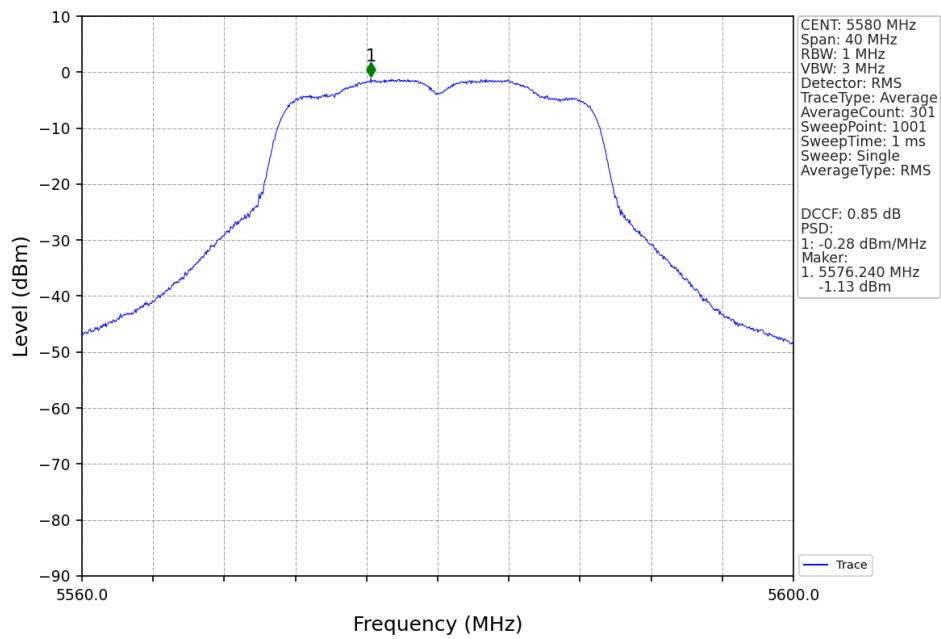
802.11a_HCH_5700MHz_Ant1_NTNV



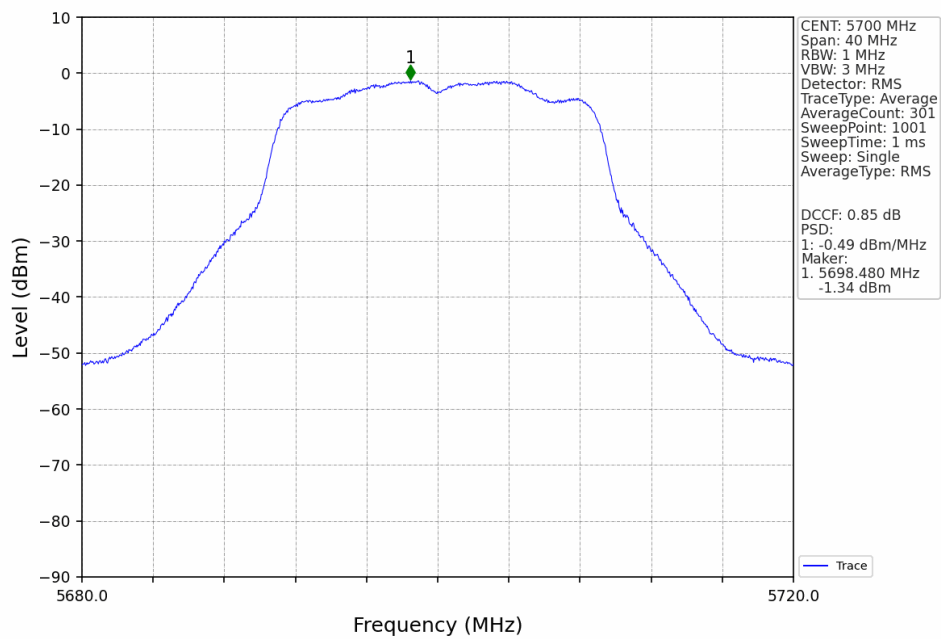
802.11n(HT20)_LCH_5500MHz_Ant1_NTNV



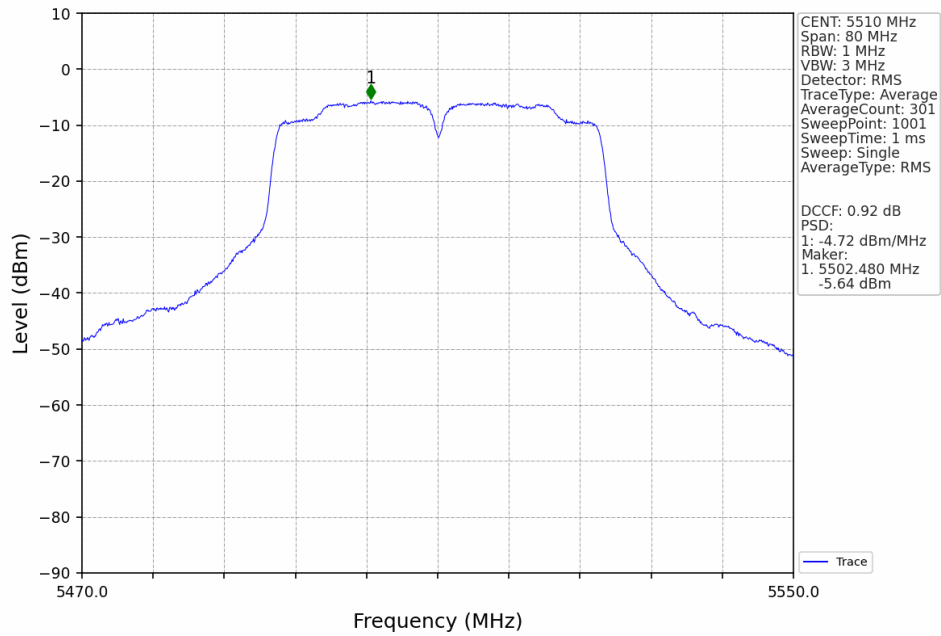
802.11n(HT20)_MCH_5580MHz_Ant1_NTNV



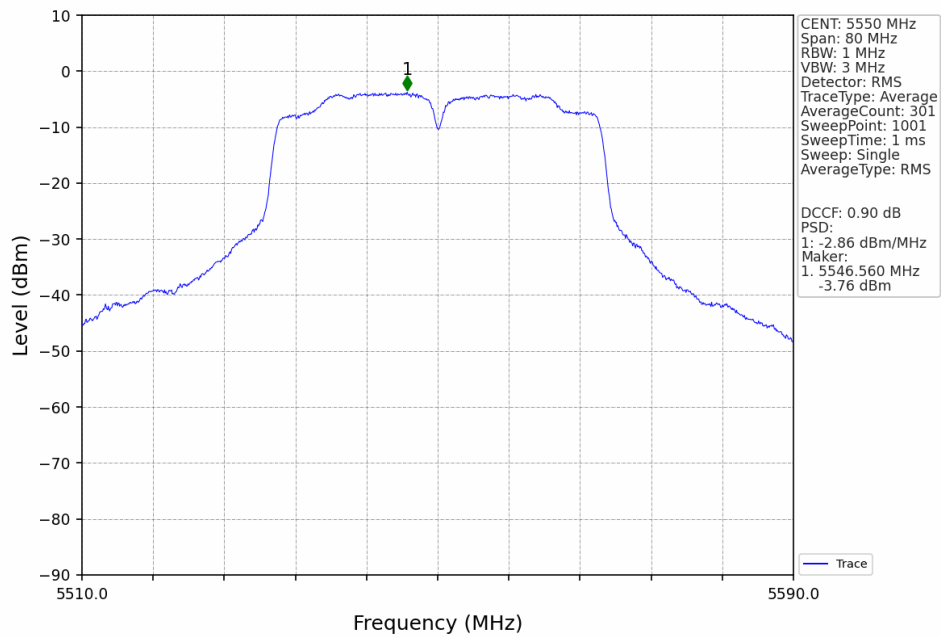
802.11n(HT20)_HCH_5700MHz_Ant1_NTNV



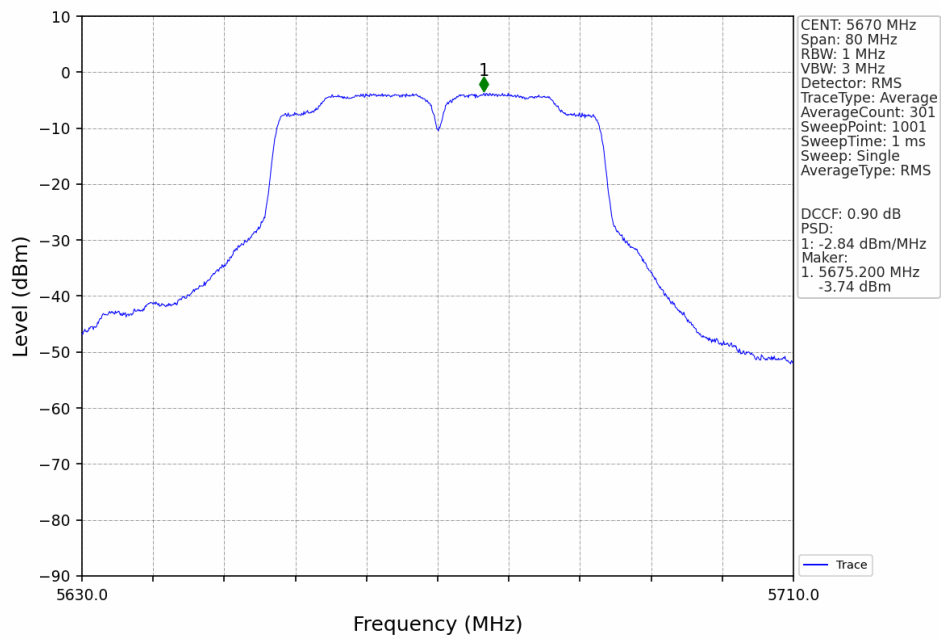
802.11n(HT40) LCH_5510MHz_Ant1_NTNV



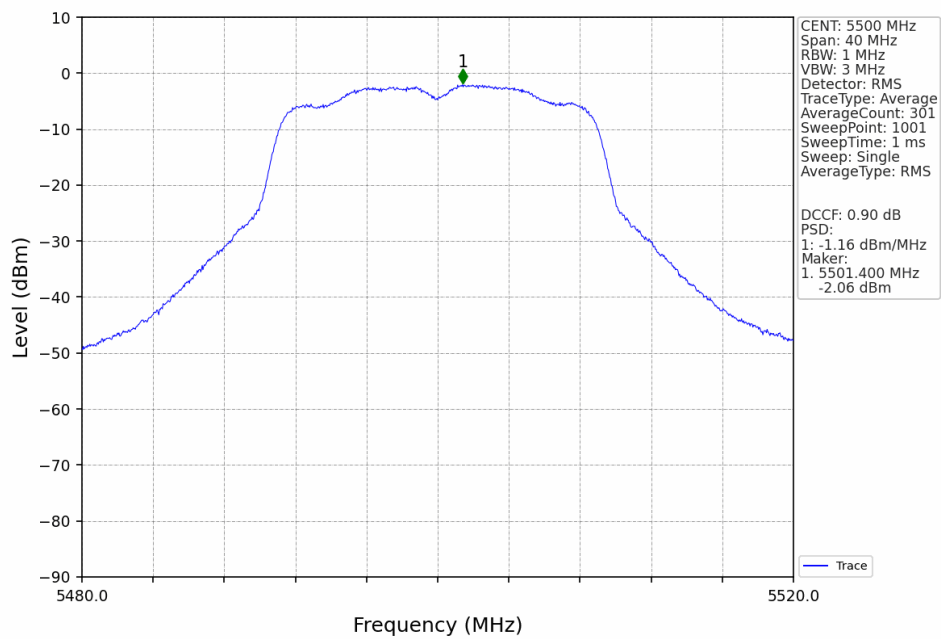
802.11n(HT40) MCH_5550MHz_Ant1_NTNV



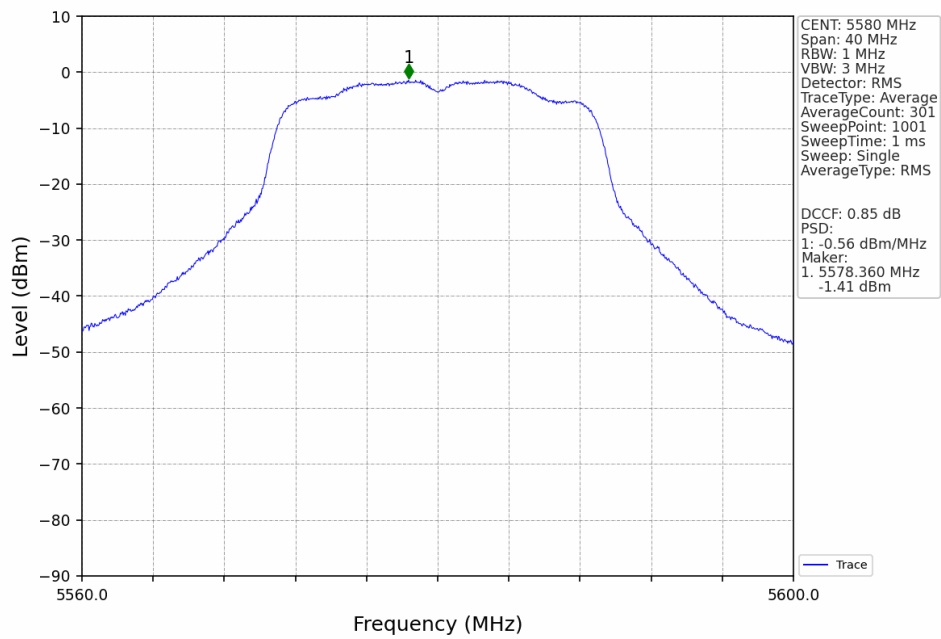
802.11n(HT40) HCH 5670MHz_Ant1_NTNV



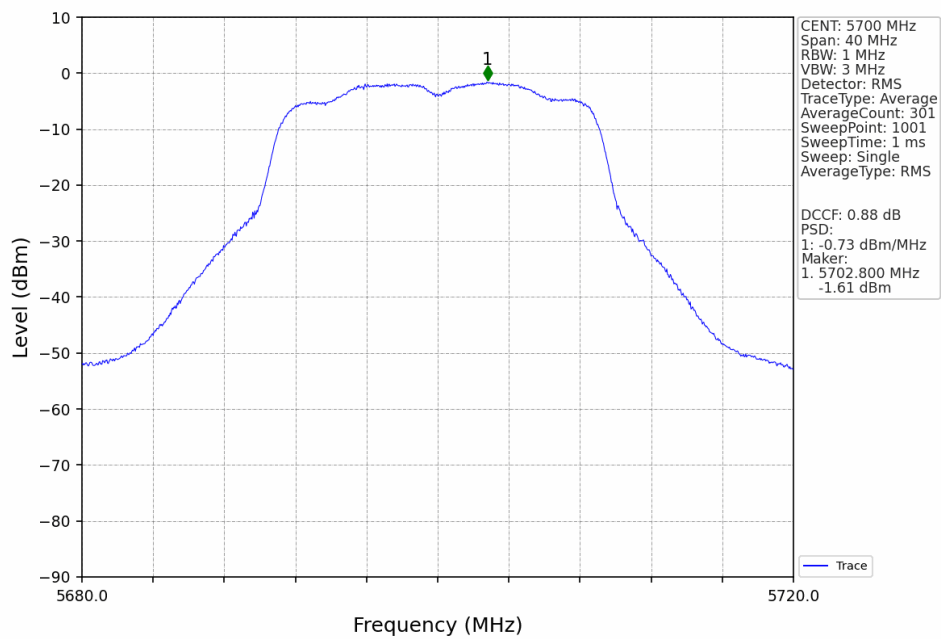
802.11ac(VHT20) LCH 5500MHz_Ant1_NTNV



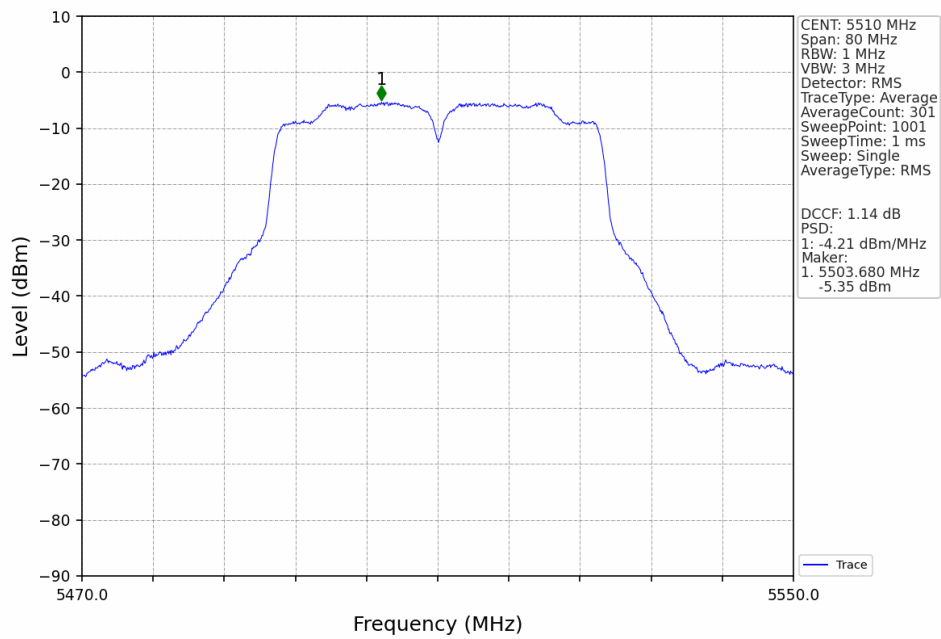
802.11ac(VHT20)_MCH_5580MHz_Ant1_NTNV



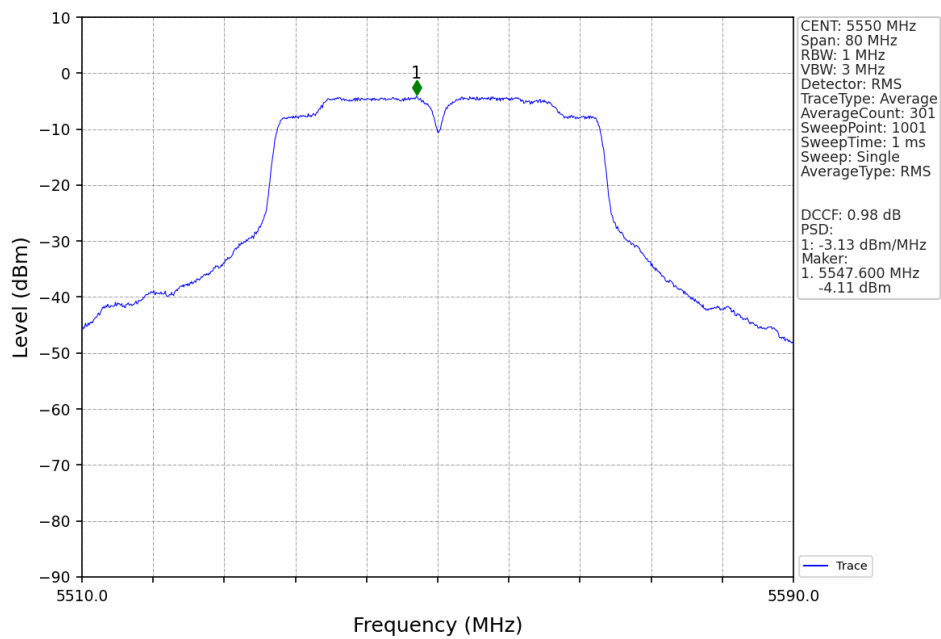
802.11ac(VHT20)_HCH_5700MHz_Ant1_NTNV



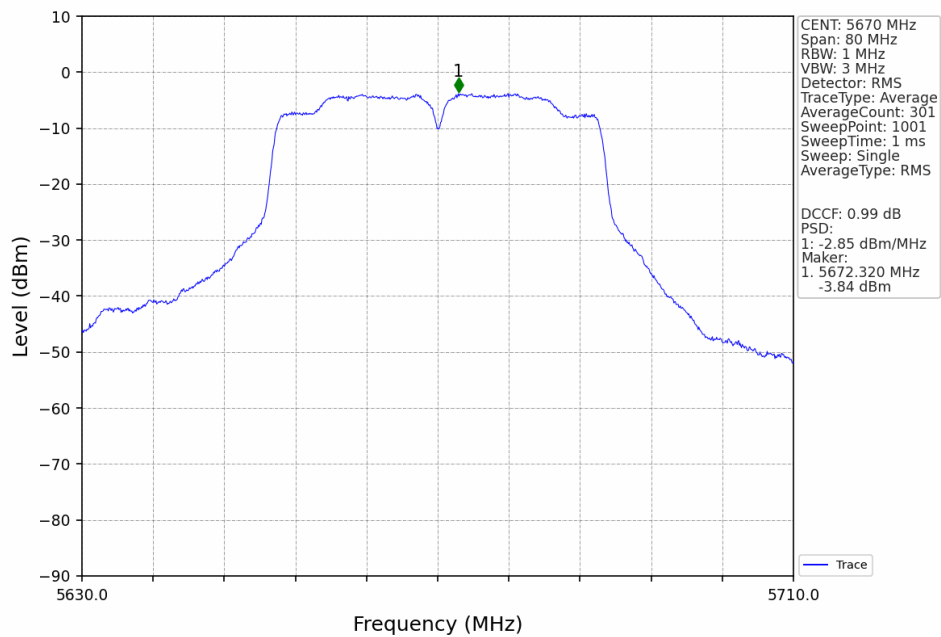
802.11ac(VHT40) LCH_5510MHz_Ant1_NTNV



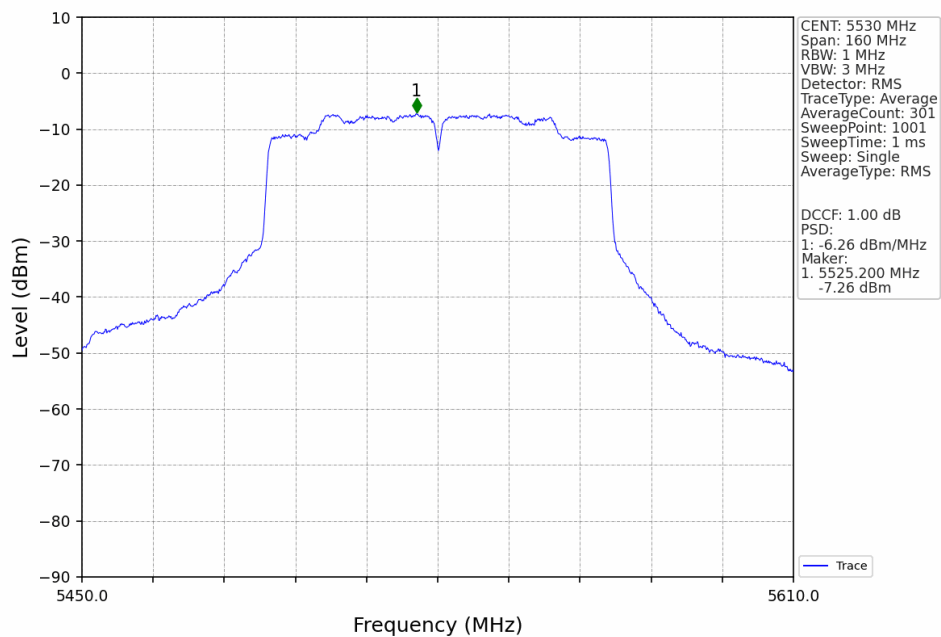
802.11ac(VHT40) MCH_5550MHz_Ant1_NTNV



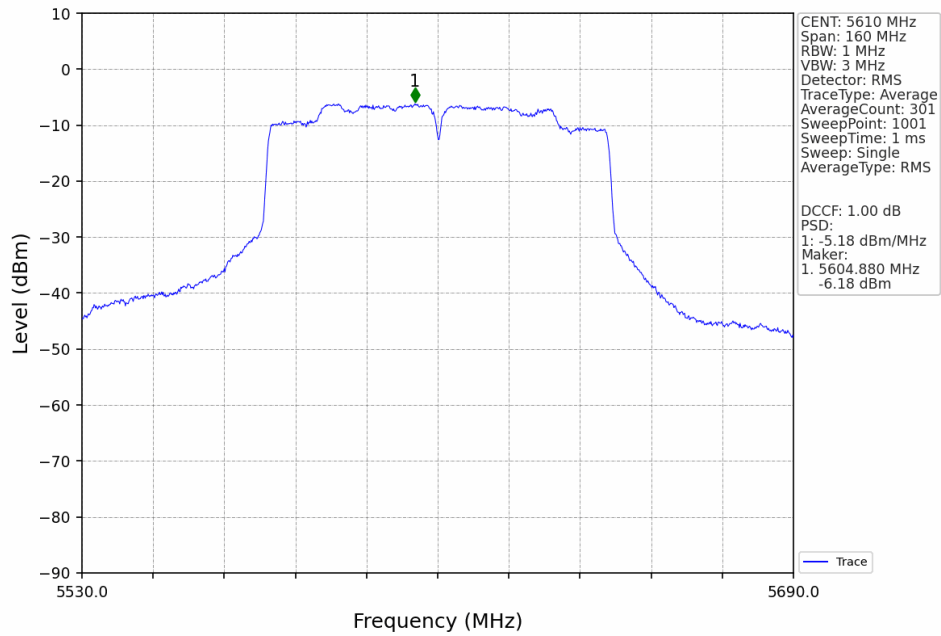
802.11ac(VHT40) HCH_5670MHz_Ant1_NTNV



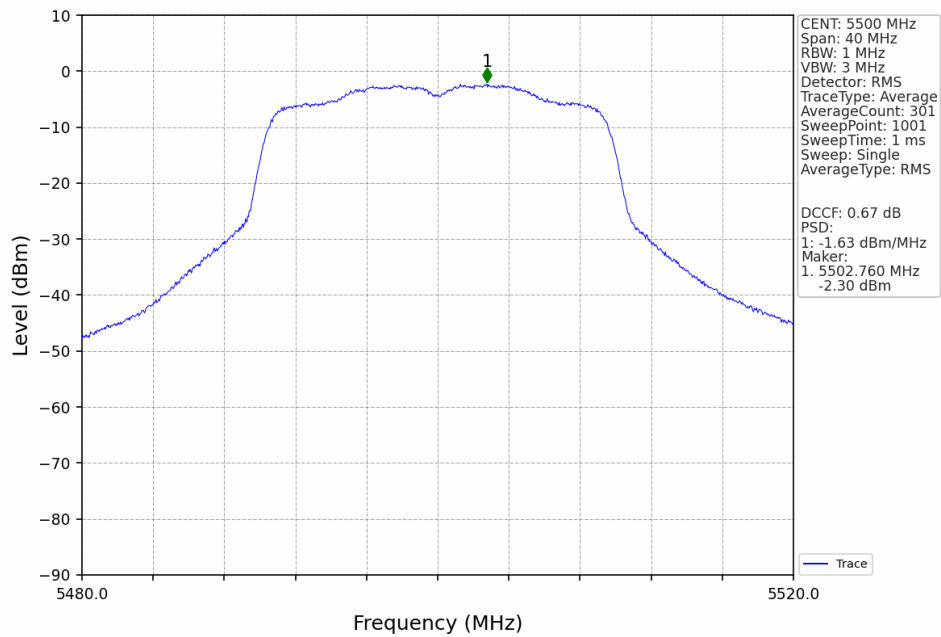
802.11ac(VHT80) LCH_5530MHz_Ant1_NTNV



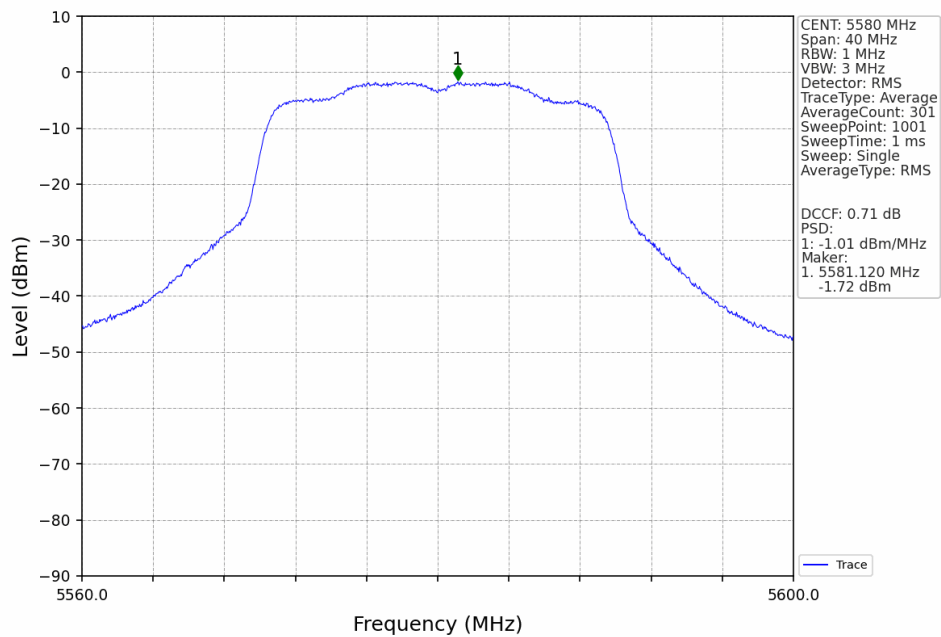
802.11ac(VHT80) HCH 5610MHz Ant1 NTN



802.11ax(HEW20) LCH 5500MHz SU / Ant1 NTN



802.11ax(HEW20)_MCH_5580MHz_SU / Ant1_NTNV



802.11ax(HEW20)_HCH_5700MHz_SU / Ant1_NTNV

