

1. Duty Cycle

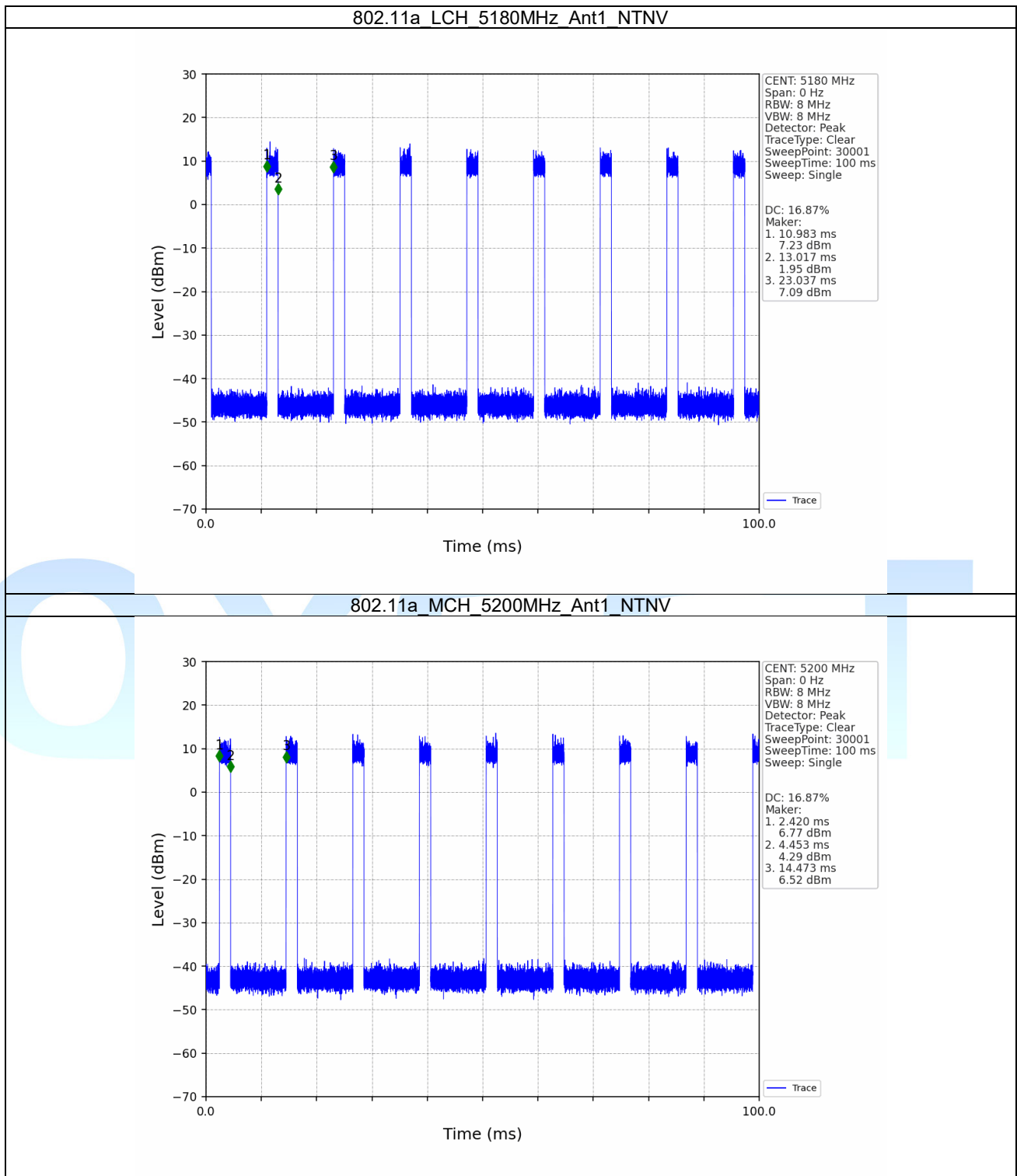
1.1 Test Result

1.1.1 Ant1

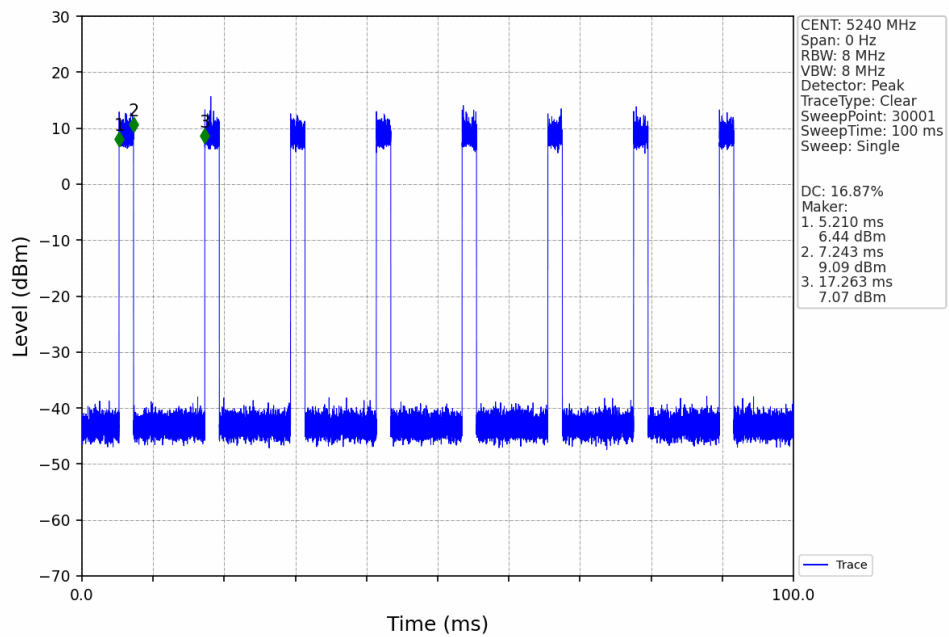
Ant1									
Mode	TX Type	Frequency (MHz)	RU	RU Pos	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11a	SISO	5180	/	/	2.034	12.054	16.87	7.73	0.03
		5200	/	/	2.033	12.053	16.87	7.73	0.00
		5240	/	/	2.033	12.053	16.87	7.73	0.00
802.11n (HT20)	SISO	5180	/	/	1.893	11.910	15.89	7.99	0.03
		5200	/	/	1.893	11.913	15.89	7.99	0.03
		5240	/	/	1.893	11.917	15.88	7.99	0.03
802.11n (HT40)	SISO	5190	/	/	0.933	10.953	8.52	10.70	0.03
		5230	/	/	0.934	10.954	8.53	10.69	0.03
802.11ac (VHT20)	SISO	5180	/	/	1.900	11.920	15.94	7.98	0.03
		5200	/	/	1.900	11.920	15.94	7.98	0.03
		5240	/	/	1.900	11.923	15.94	7.98	0.03
802.11ac (VHT40)	SISO	5190	/	/	0.936	10.956	8.54	10.68	0.03
		5230	/	/	0.936	10.956	8.54	10.68	0.03
802.11ac (VHT80)	SISO	5210	/	/	0.457	10.480	4.36	13.60	0.03
802.11ax (HEW20)	SISO	5180	SU	/	1.463	11.633	12.58	9.00	0.17
		5200	SU	/	1.460	11.480	12.72	8.96	0.05
		5240	SU	/	1.460	11.480	12.72	8.96	0.03
802.11ax (HEW40)	SISO	5190	SU	/	0.763	10.783	7.08	11.50	0.00
		5230	SU	/	0.760	10.780	7.05	11.52	0.03
802.11ax (HEW80)	SISO	5210	SU	/	0.393	10.417	3.77	14.23	0.03

1.2 Test Graph

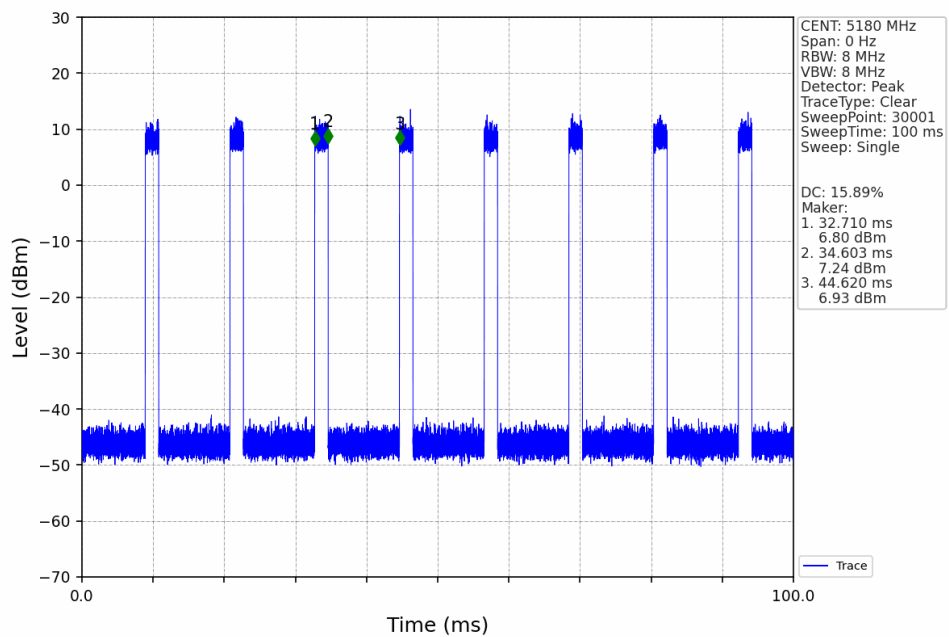
1.2.1 Ant1



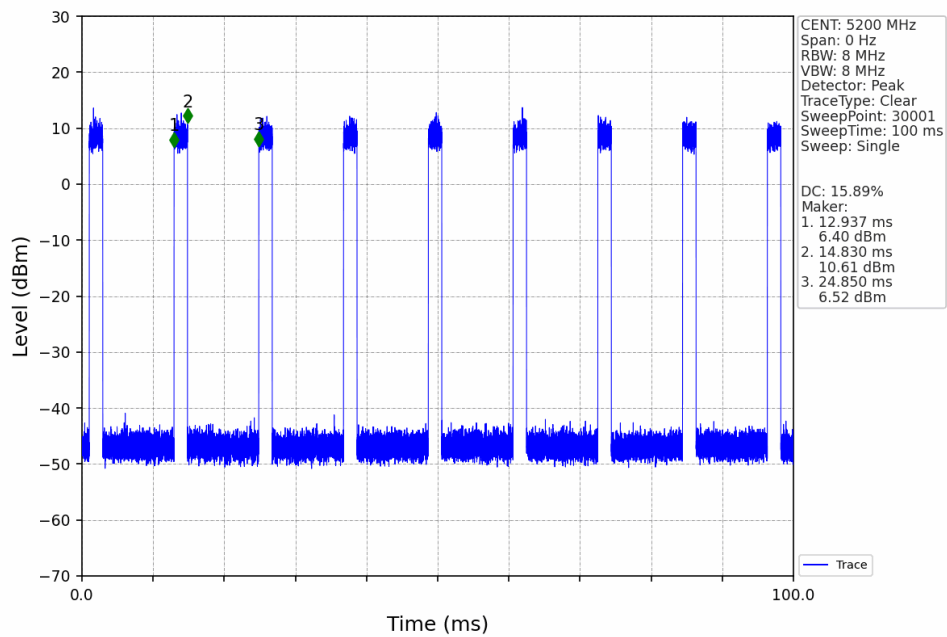
802.11a_HCH_5240MHz_Ant1_NTNV



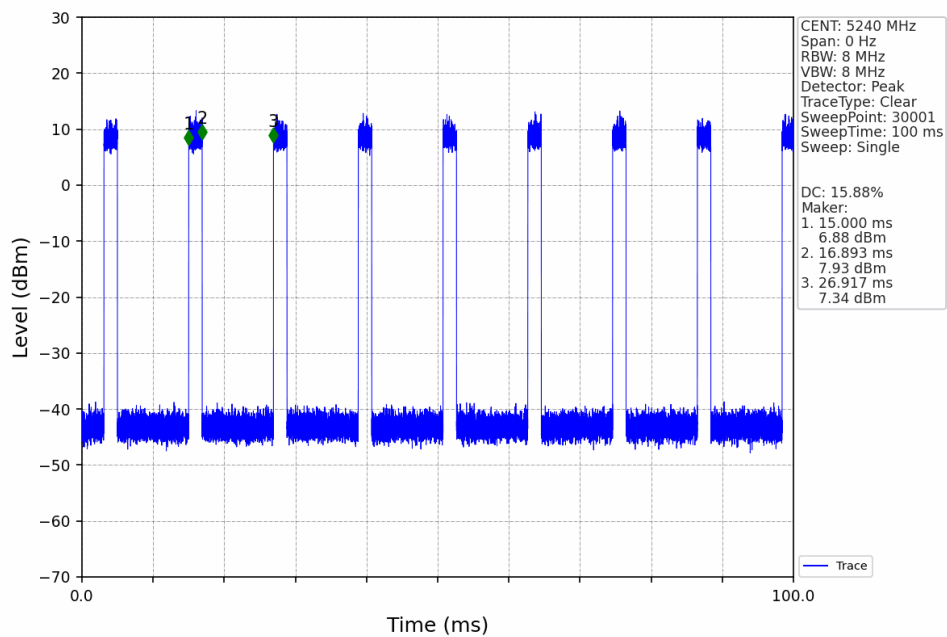
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



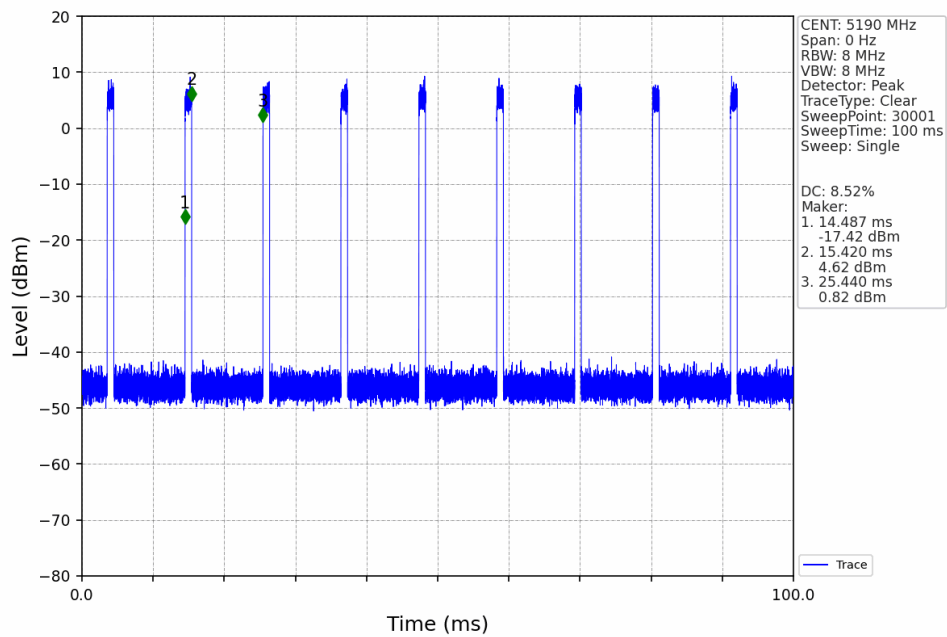
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



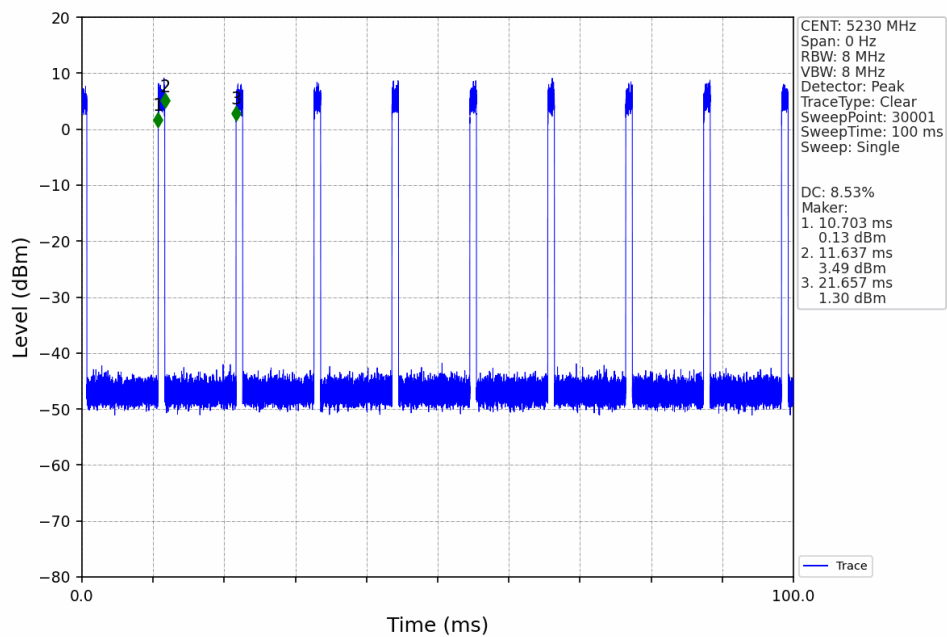
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



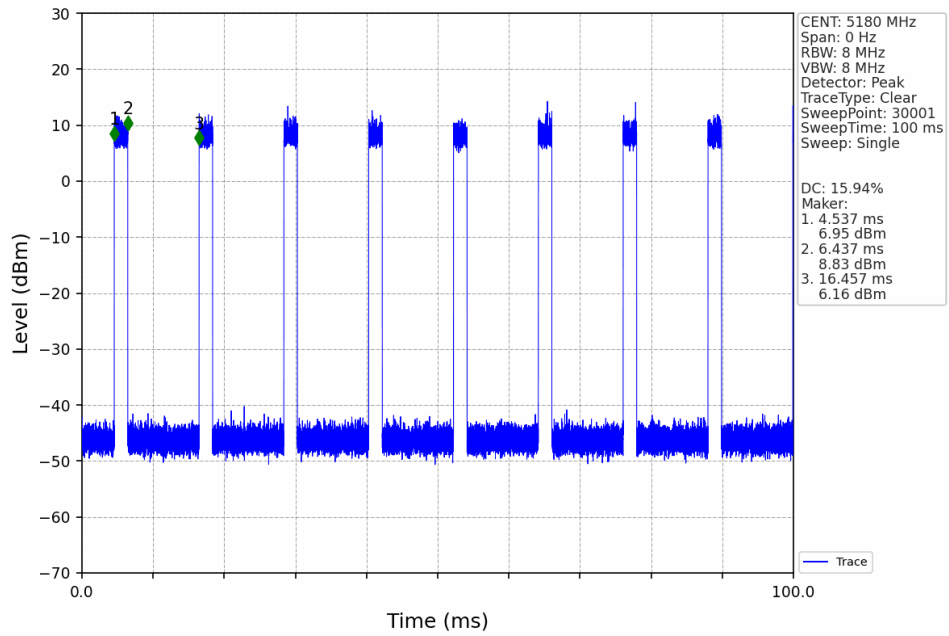
802.11n(HT40) LCH 5190MHz_Ant1_NTNV



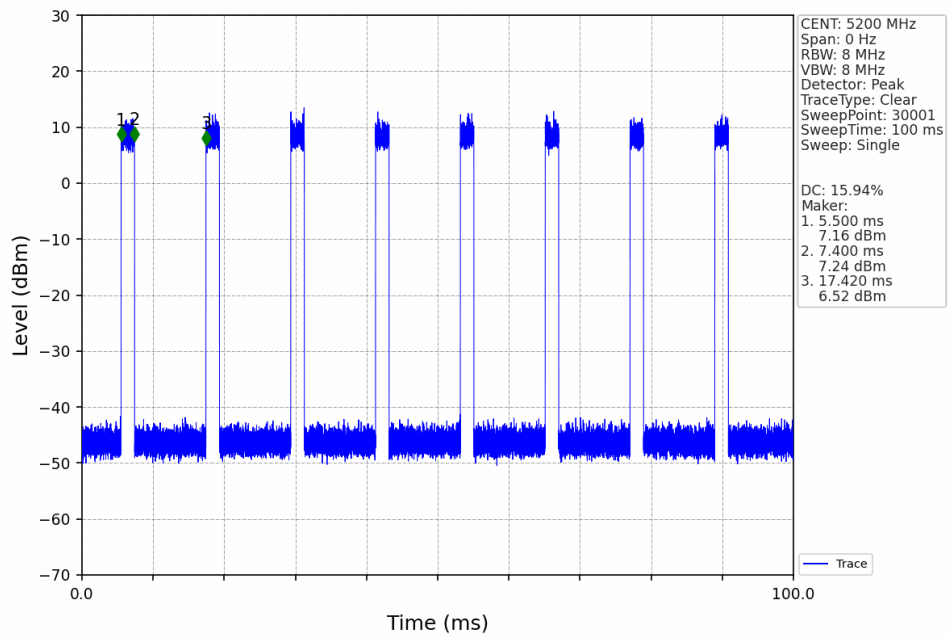
802.11n(HT40) HCH 5230MHz_Ant1_NTNV



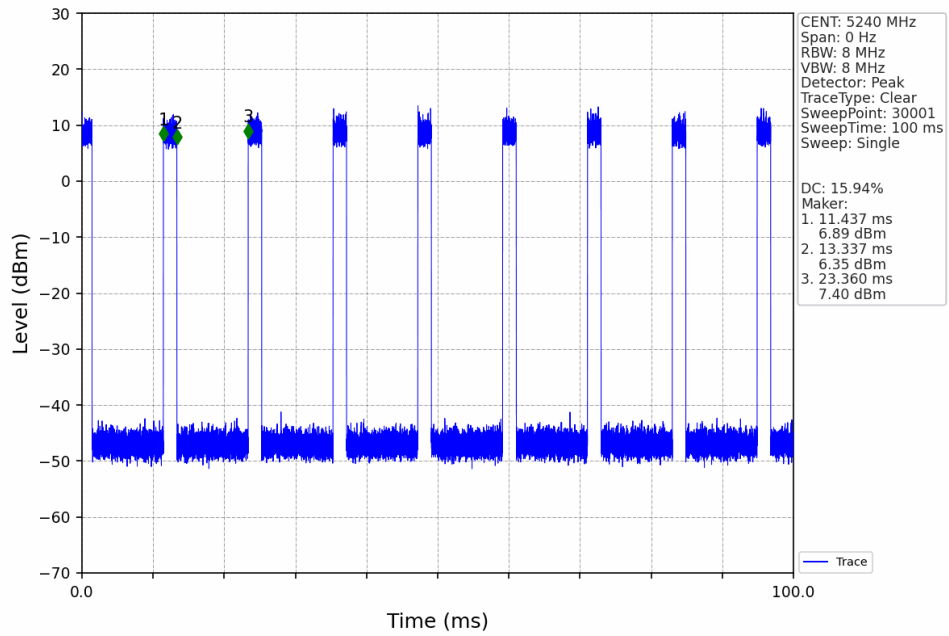
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



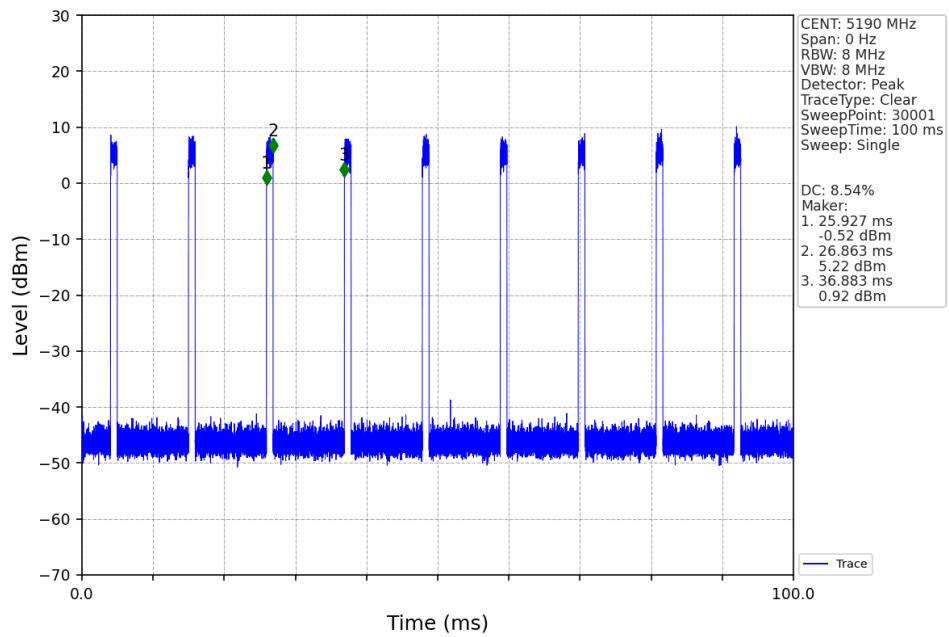
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



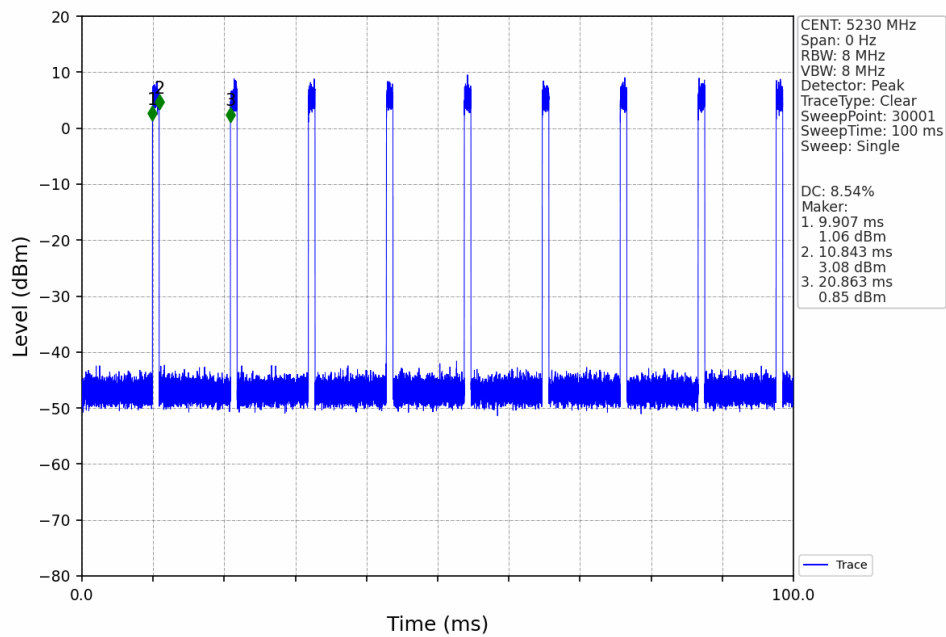
802.11ac(VHT20) HCH_5240MHz_Ant1_NTNV



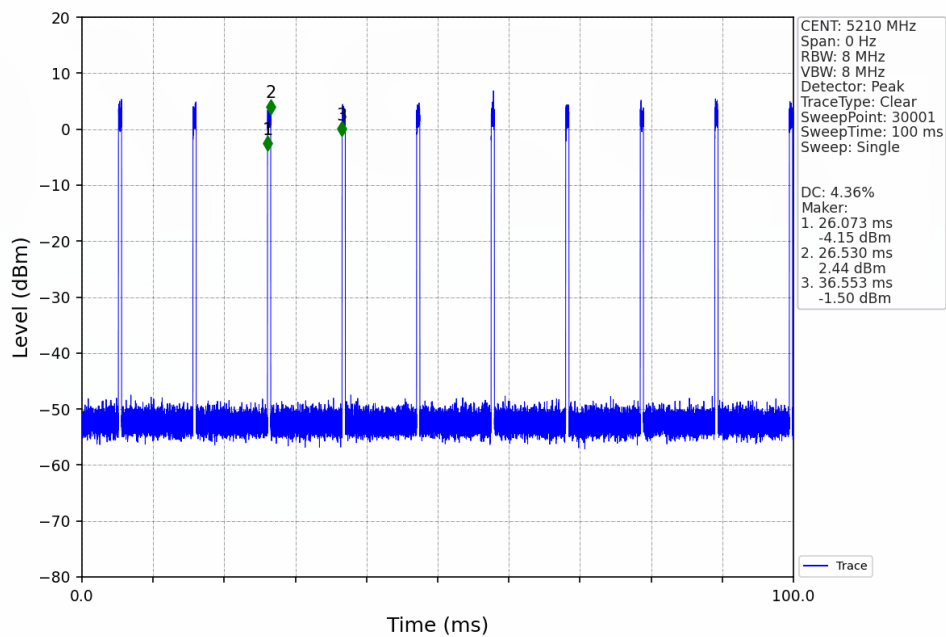
802.11ac(VHT40) LCH_5190MHz_Ant1_NTNV



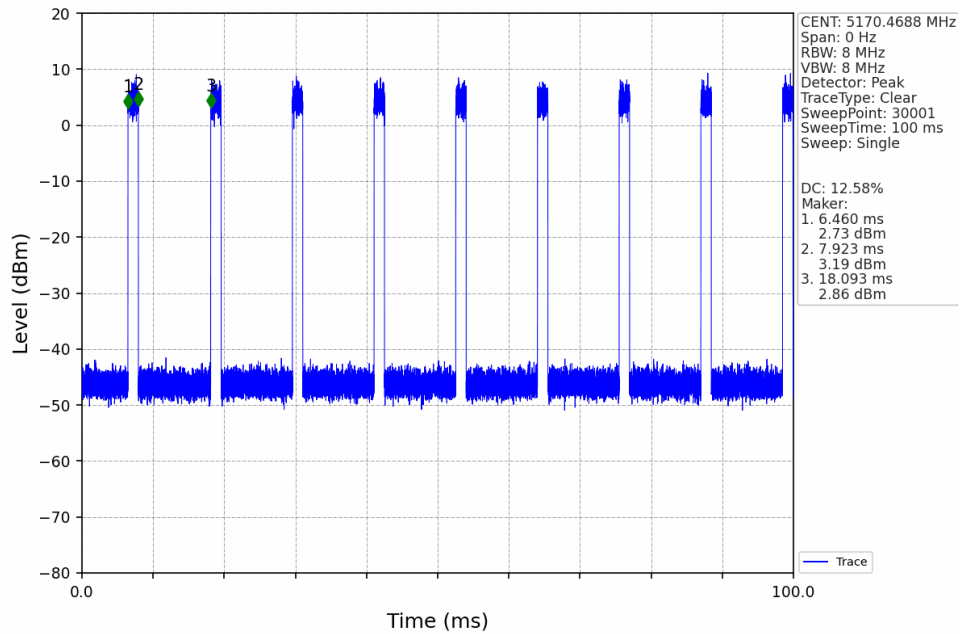
802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



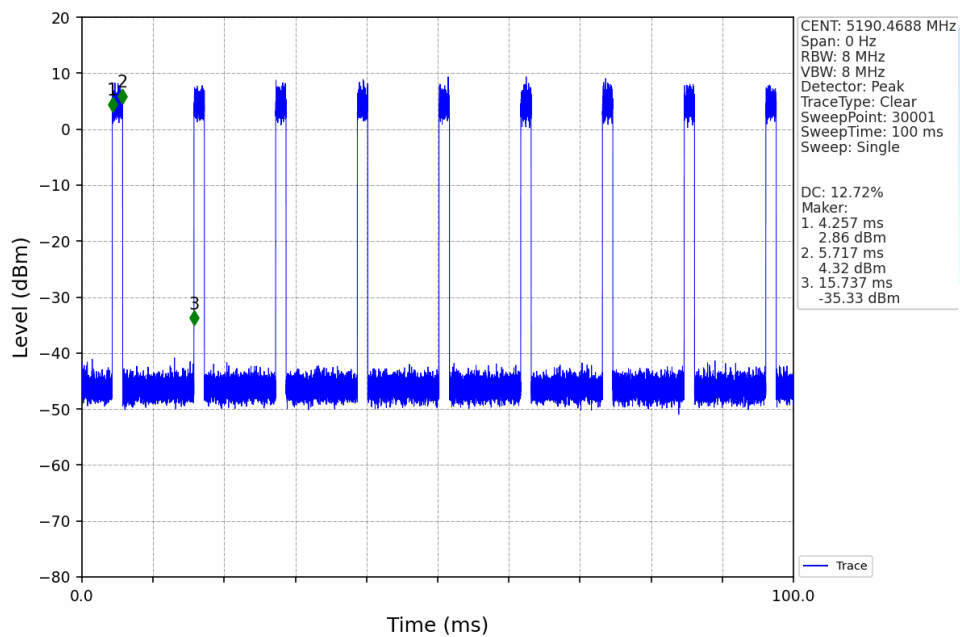
802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



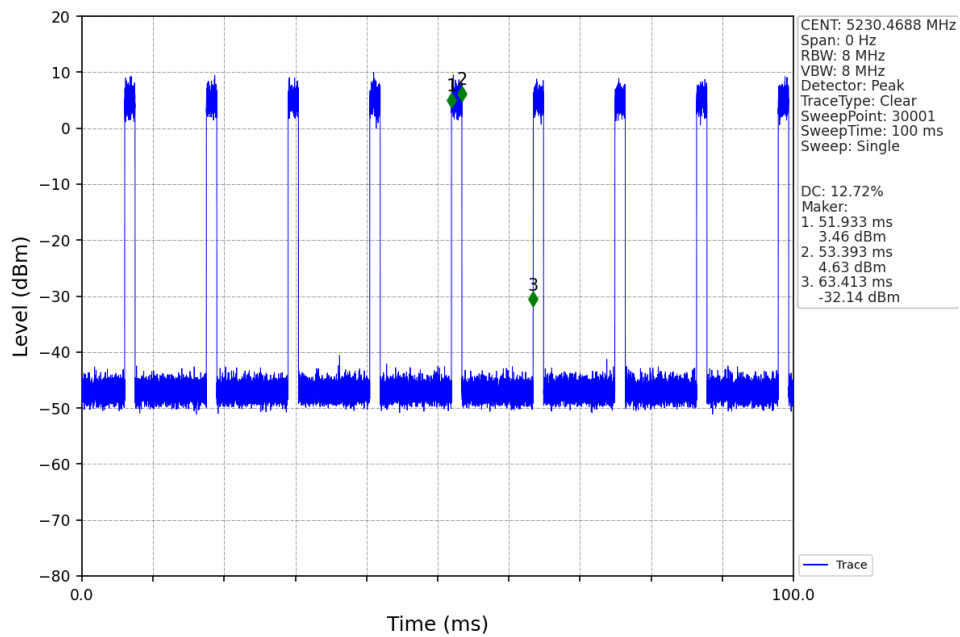
802.11ax(HEW20)_LCH_5180MHz_SU_ / Ant1_NTNV



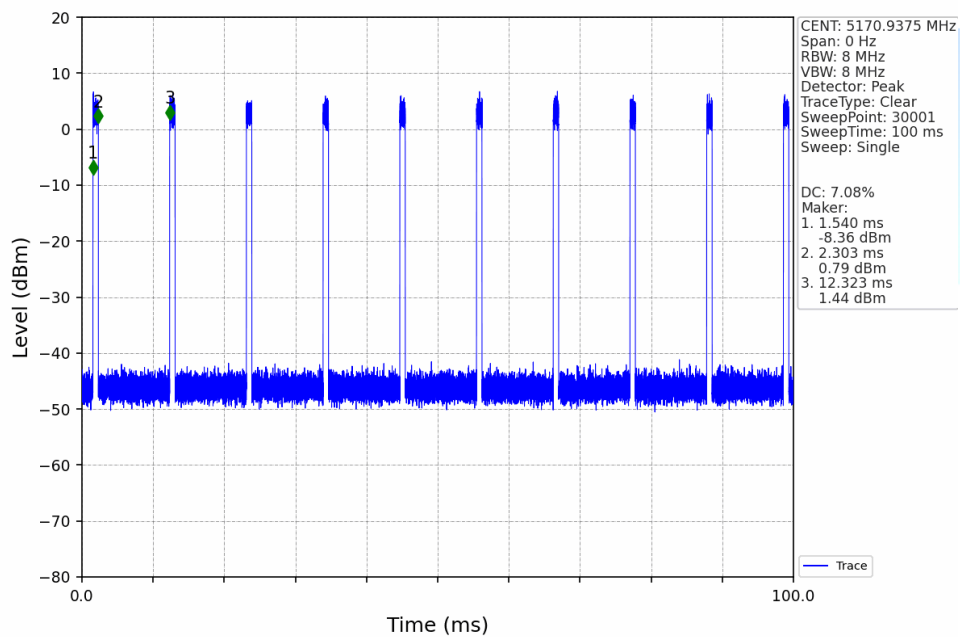
802.11ax(HEW20)_MCH_5200MHz_SU_ / Ant1_NTNV



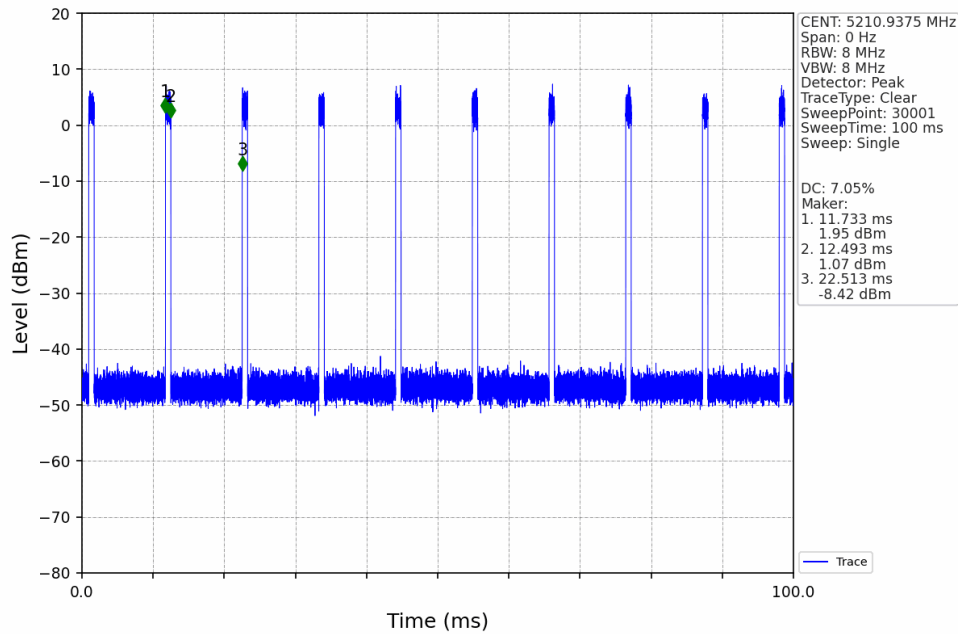
802.11ax(HEW20)_HCH_5240MHz_SU_/_Ant1_NTNV



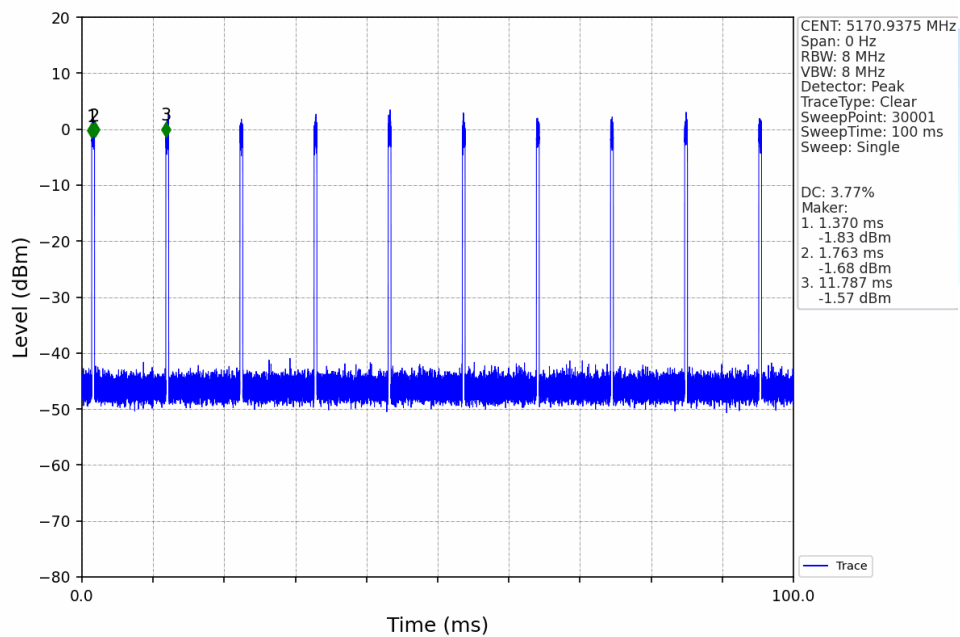
802.11ax(HEW40)_LCH_5190MHz_SU_/_Ant1_NTNV



802.11ax(HEW40)_HCH_5230MHz_SU / Ant1_NTNV



802.11ax(HEW80)_MCH_5210MHz_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	5180	/	/	1	18.242	/	Pass
		5200	/	/	1	18.459	/	Pass
		5240	/	/	1	18.333	/	Pass
802.11n (HT20)	SISO	5180	/	/	1	19.508	/	Pass
		5200	/	/	1	19.294	/	Pass
		5240	/	/	1	19.207	/	Pass
802.11n (HT40)	SISO	5190	/	/	1	37.659	/	Pass
		5230	/	/	1	37.562	/	Pass
802.11ac (VHT20)	SISO	5180	/	/	1	19.397	/	Pass
		5200	/	/	1	19.345	/	Pass
		5240	/	/	1	19.297	/	Pass
802.11ac (VHT40)	SISO	5190	/	/	1	37.532	/	Pass
		5230	/	/	1	37.292	/	Pass
802.11ac (VHT80)	SISO	5210	/	/	1	76.552	/	Pass
802.11ax (HEW20)	SISO	5180	SU	/	1	19.863	/	Pass
		5200	SU	/	1	19.757	/	Pass
		5240	SU	/	1	19.876	/	Pass
802.11ax (HEW40)	SISO	5190	SU	/	1	38.643	/	Pass
		5230	SU	/	1	38.561	/	Pass
802.11ax (HEW80)	SISO	5210	SU	/	1	77.992	/	Pass

2.1.2 26dB BW

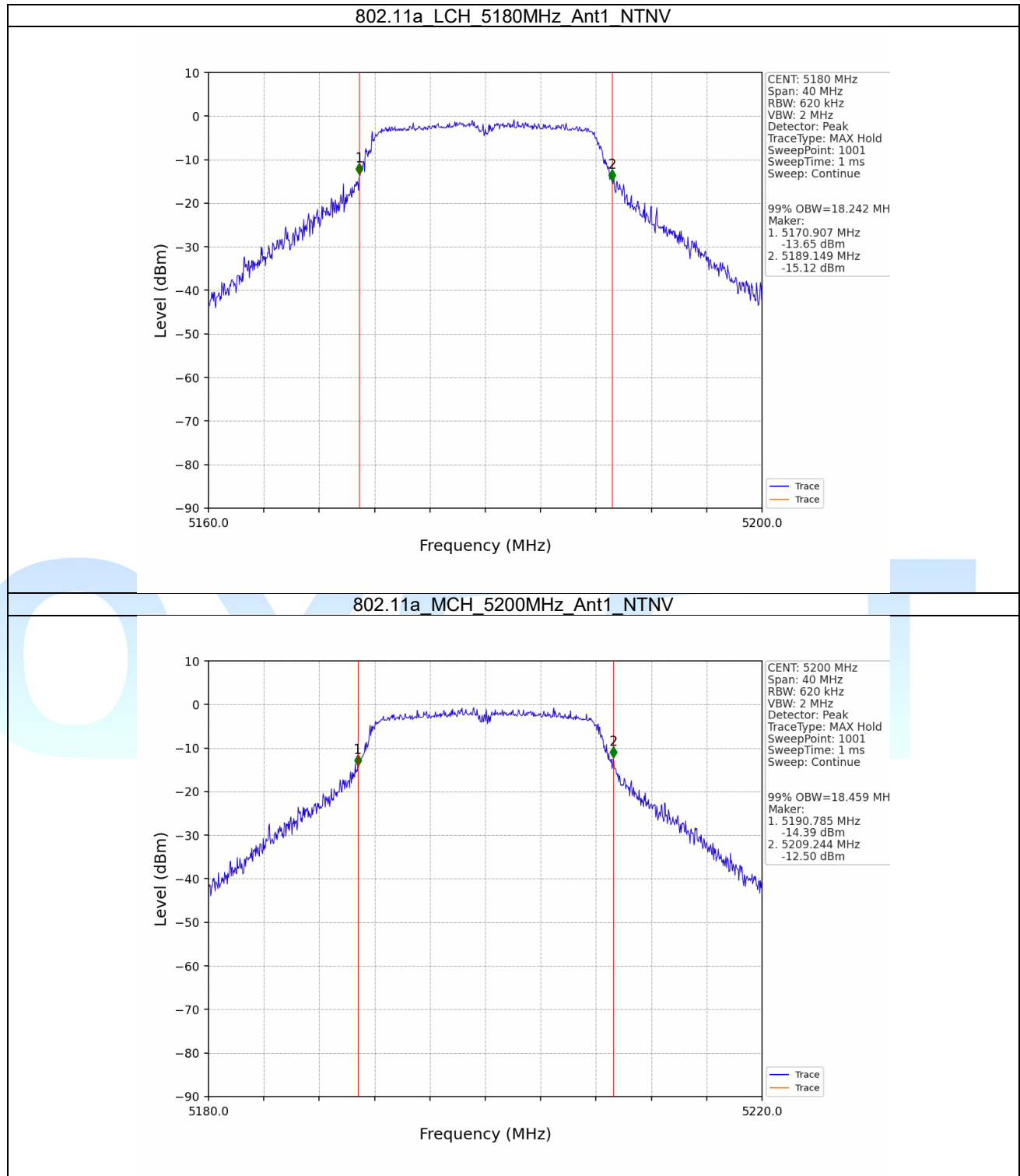
Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	26dB Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	SISO	5180	/	/	1	23.574	/	Pass
		5200	/	/	1	23.729	/	Pass
		5240	/	/	1	24.996	/	Pass
802.11n (HT20)	SISO	5180	/	/	1	24.260	/	Pass
		5200	/	/	1	24.883	/	Pass
		5240	/	/	1	23.586	/	Pass
802.11n (HT40)	SISO	5190	/	/	1	44.408	/	Pass
		5230	/	/	1	44.380	/	Pass
802.11ac (VHT20)	SISO	5180	/	/	1	24.299	/	Pass
		5200	/	/	1	23.994	/	Pass
		5240	/	/	1	23.231	/	Pass
802.11ac (VHT40)	SISO	5190	/	/	1	44.040	/	Pass
		5230	/	/	1	45.269	/	Pass
802.11ac (VHT80)	SISO	5210	/	/	1	85.281	/	Pass
802.11ax	SISO	5180	SU	/	1	25.509	/	Pass

(HEW20)		5200	SU	/	1	23.911	/	Pass
		5240	SU	/	1	25.747	/	Pass
802.11ax (HEW40)	SISO	5190	SU	/	1	44.691	/	Pass
		5230	SU	/	1	44.144	/	Pass
802.11ax (HEW80)	SISO	5210	SU	/	1	84.529	/	Pass

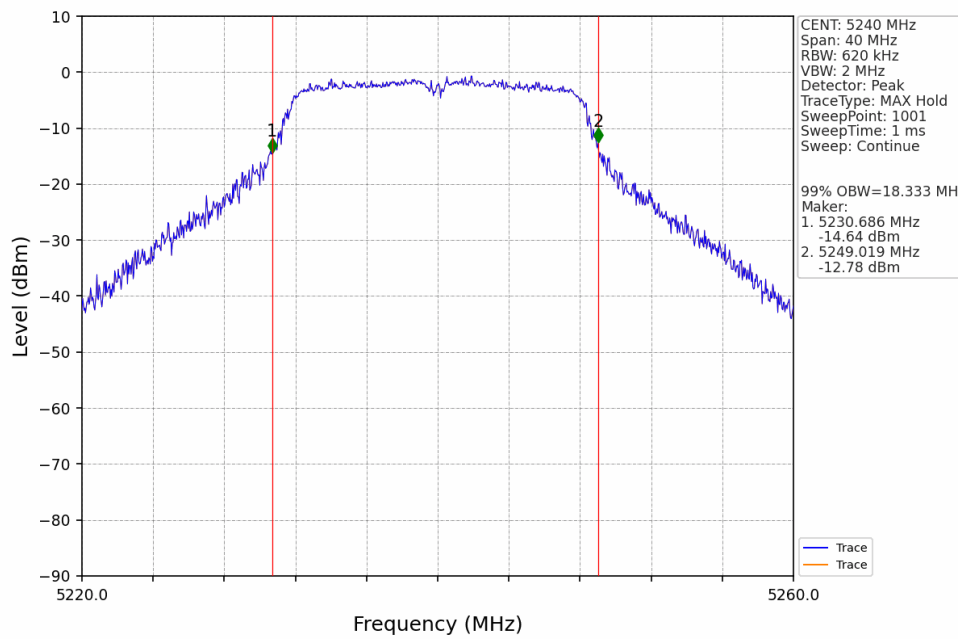


2.2 Test Graph

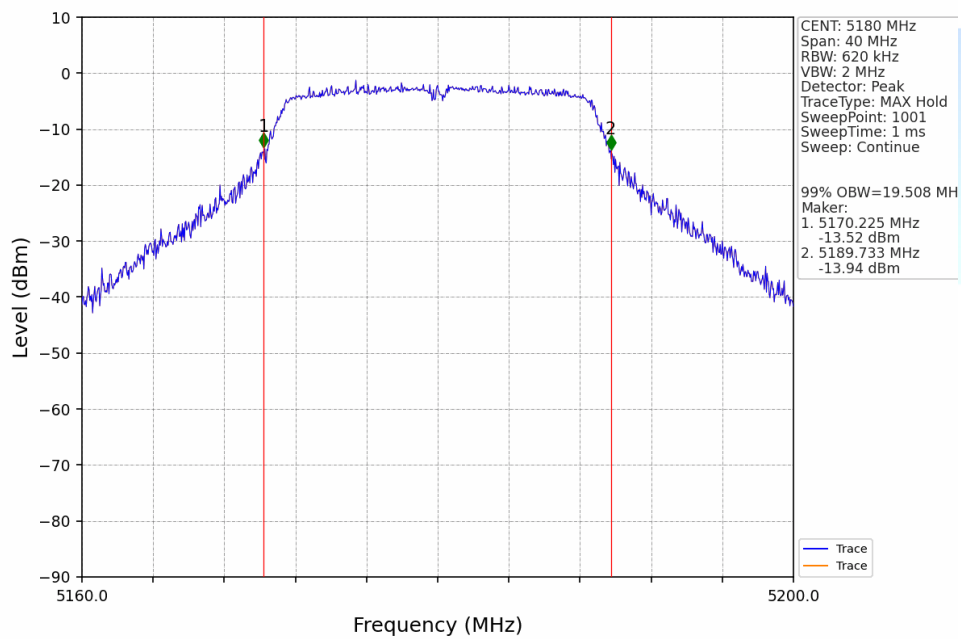
2.2.1 OBW



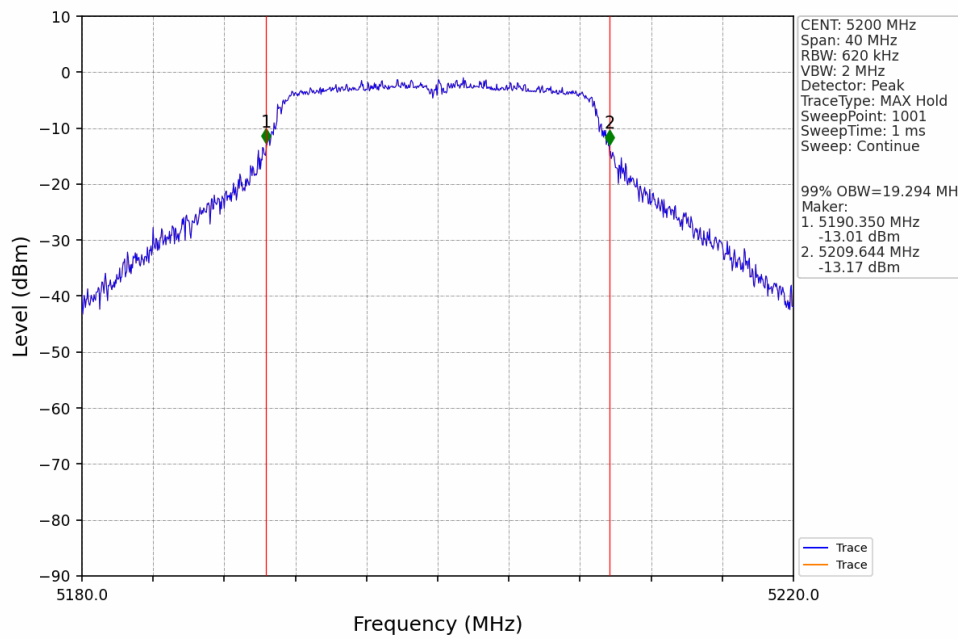
802.11a_HCH_5240MHz_Ant1_NTNV



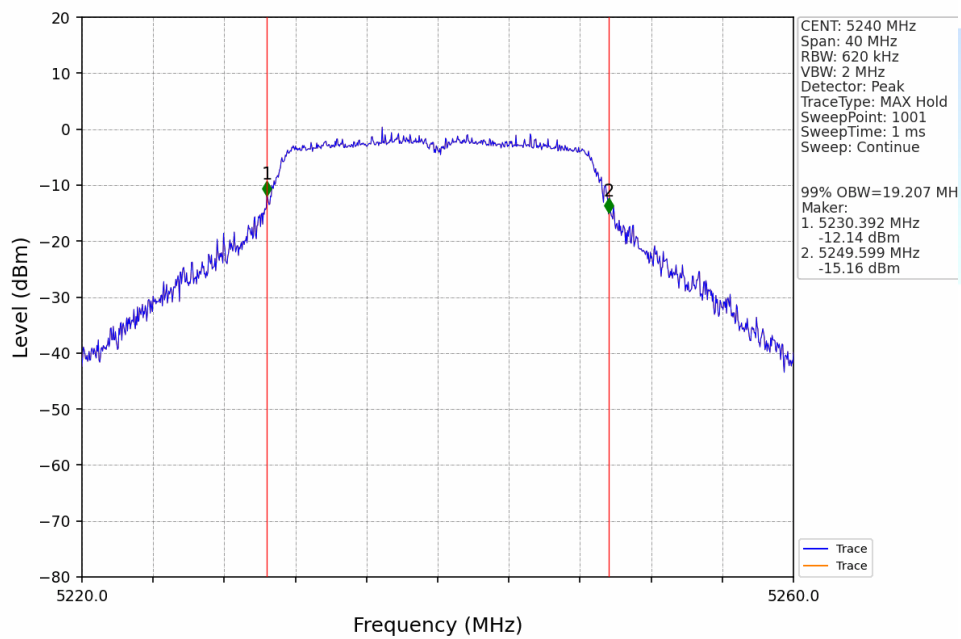
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



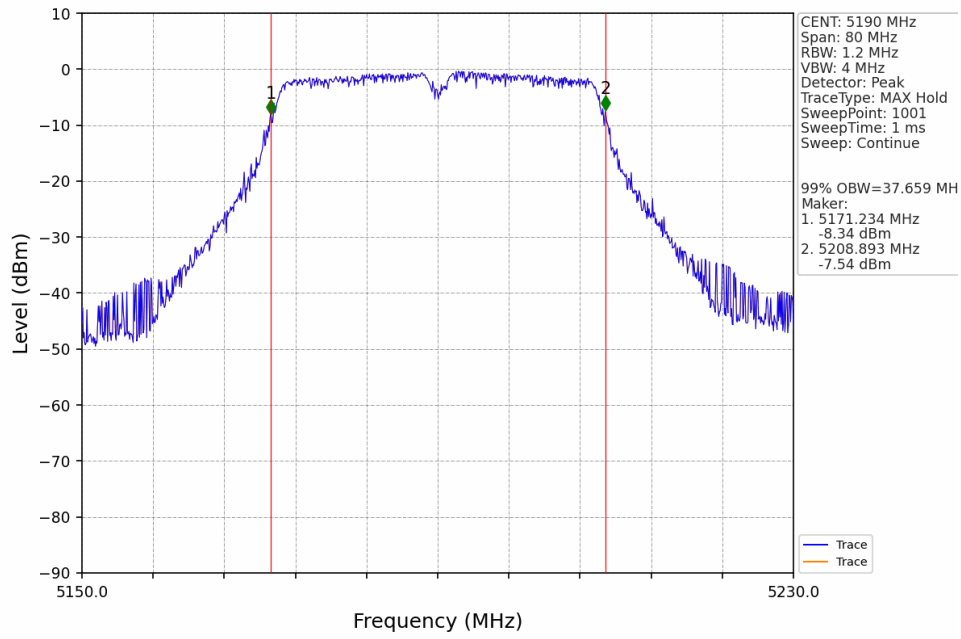
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



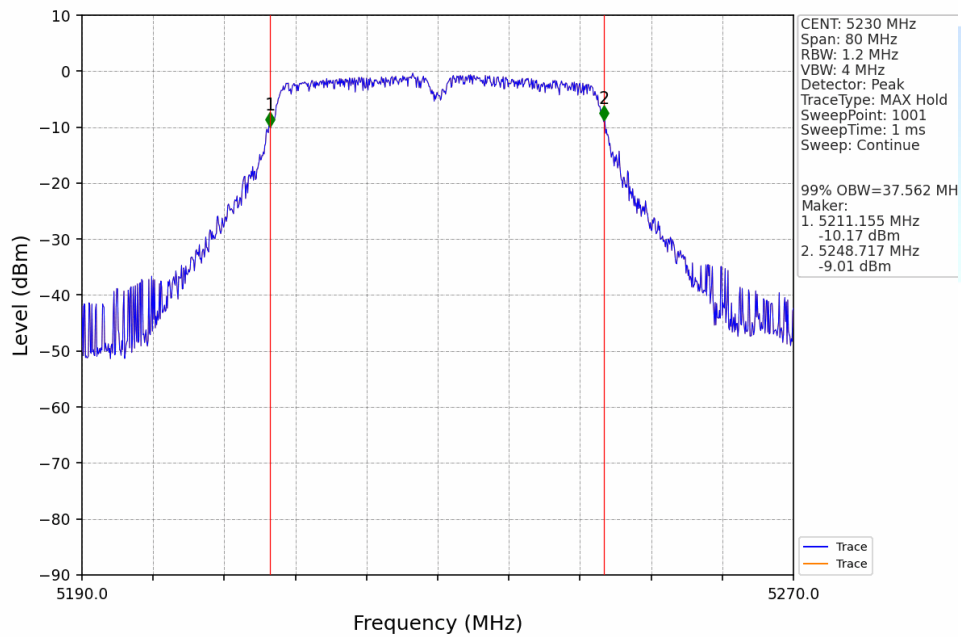
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



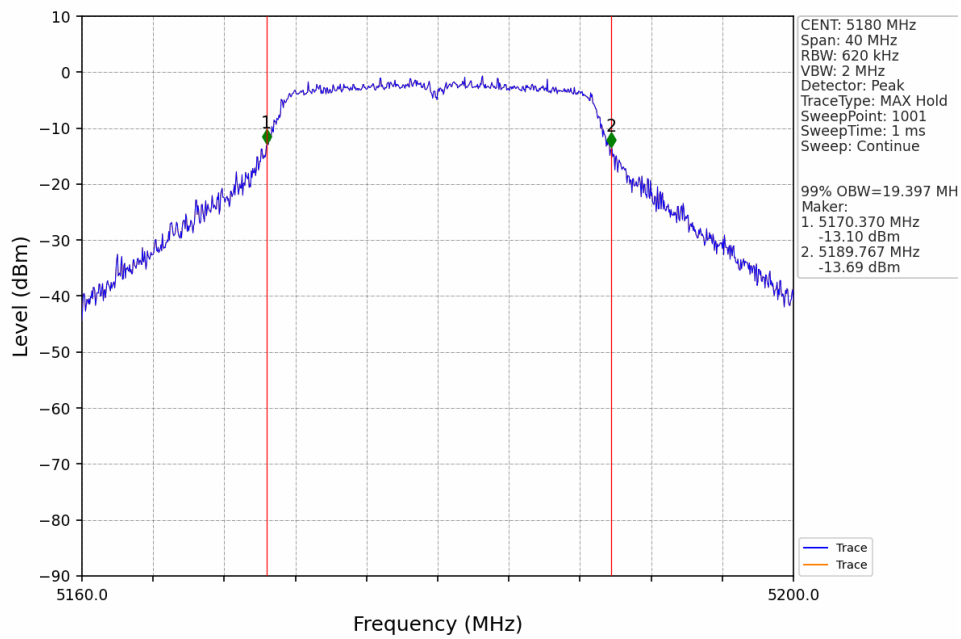
802.11n(HT40) LCH 5190MHz_Ant1_NTNV



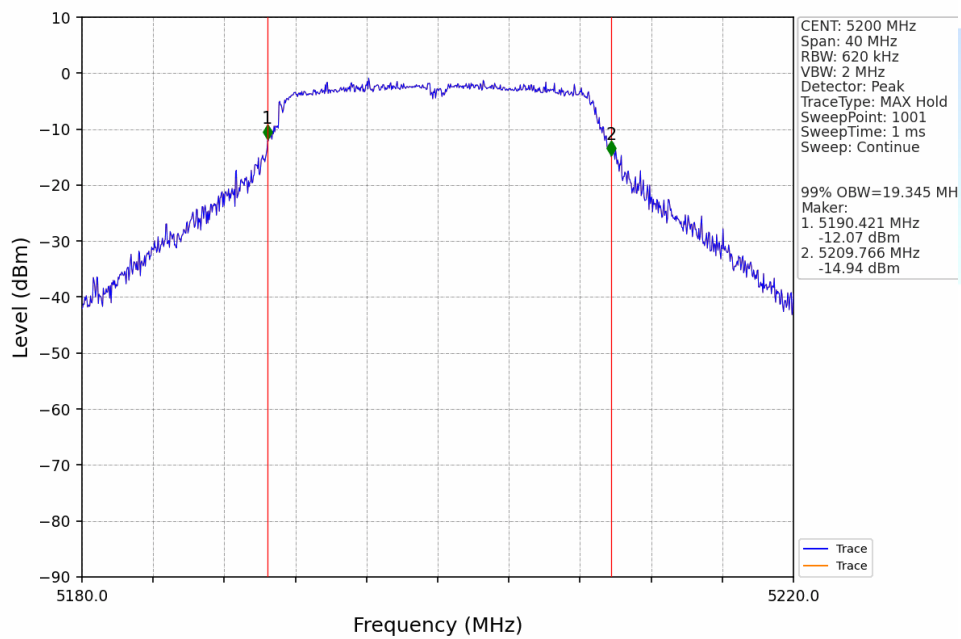
802.11n(HT40) HCH 5230MHz_Ant1_NTNV



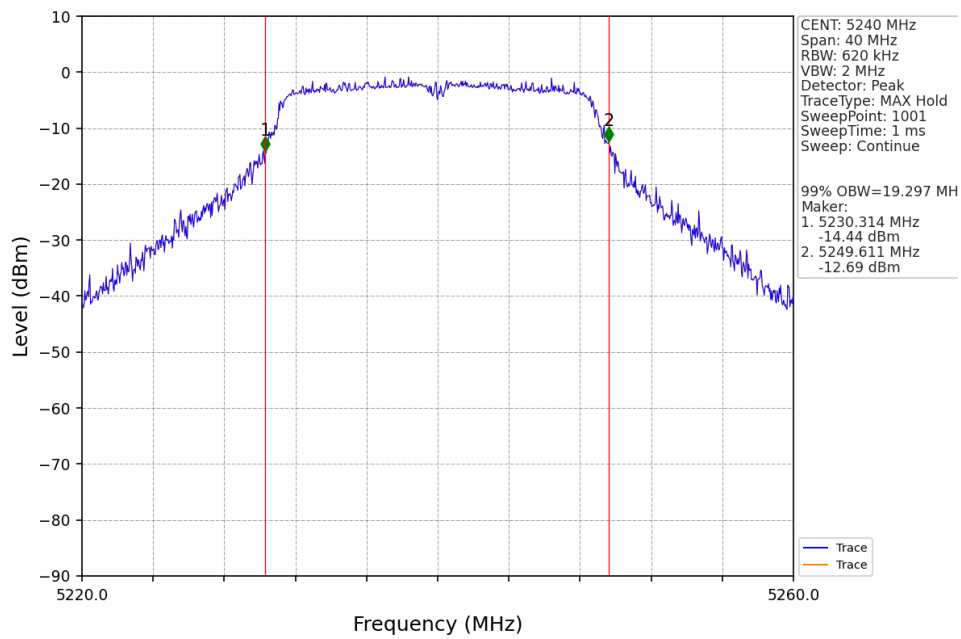
802.11ac(VHT20) LCH_5180MHz_Ant1_NTNV



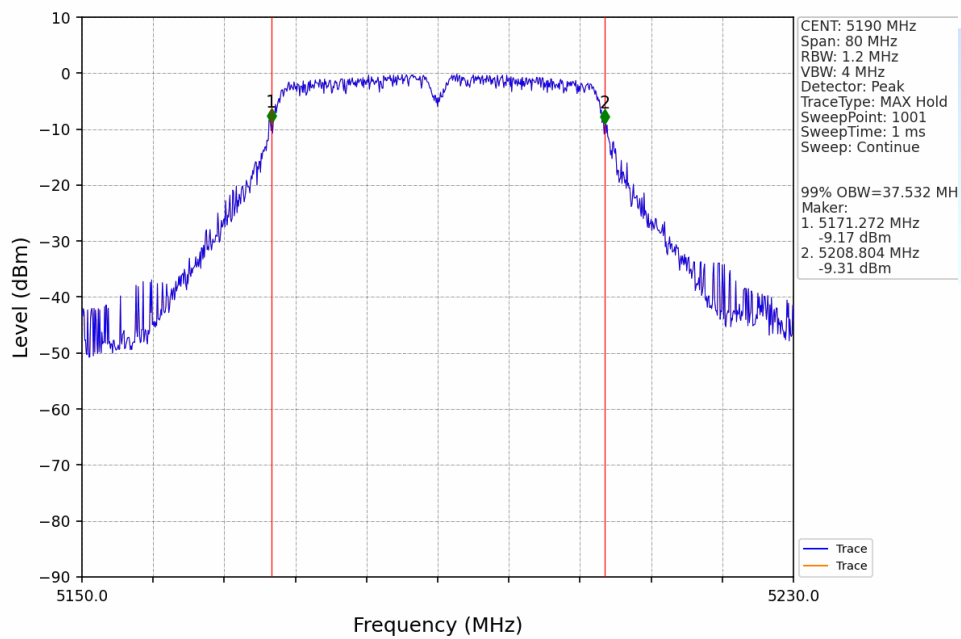
802.11ac(VHT20) MCH_5200MHz_Ant1_NTNV



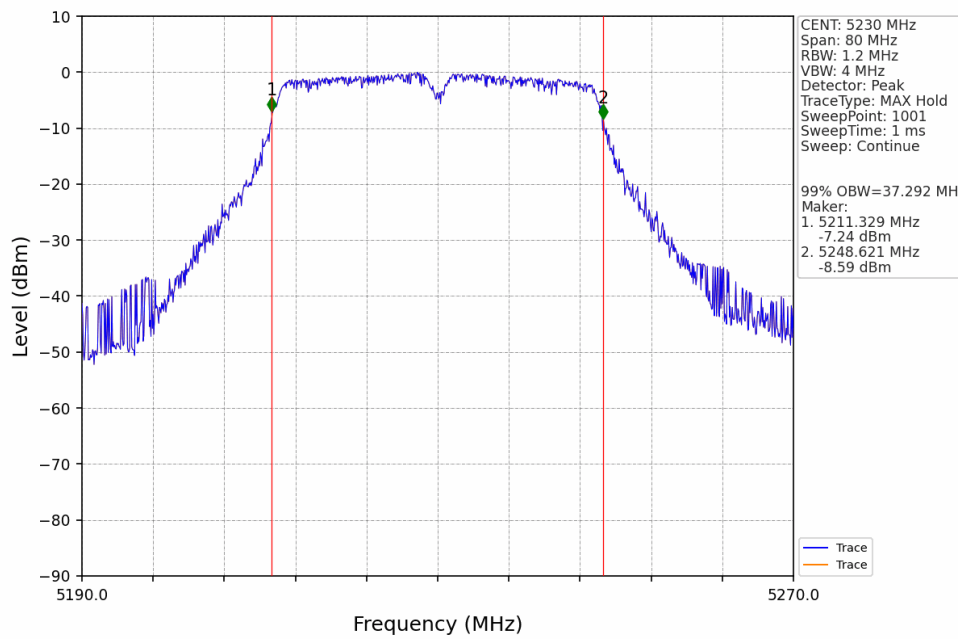
802.11ac(VHT20) HCH 5240MHz Ant1_NTNV



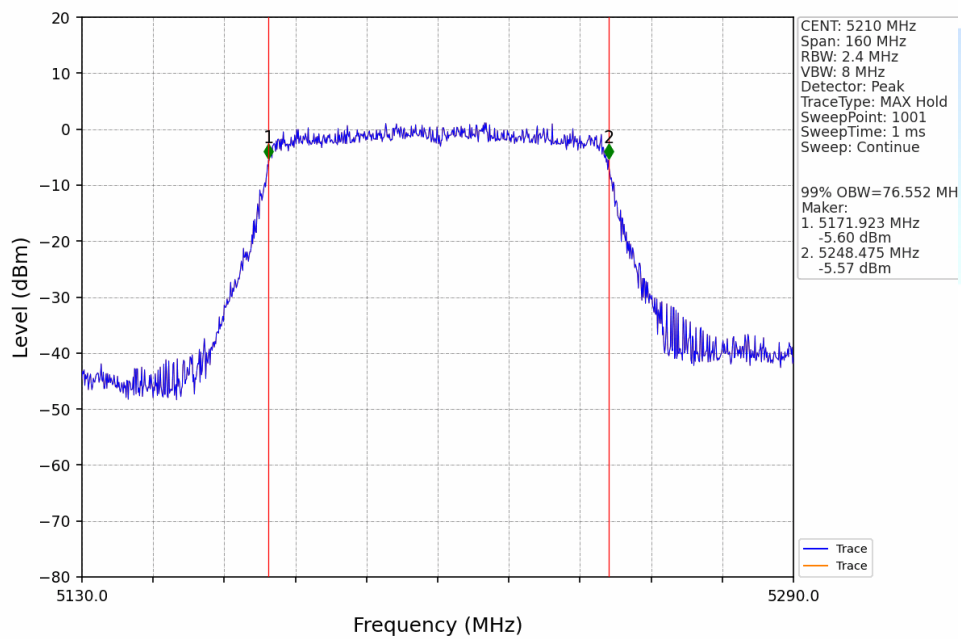
802.11ac(VHT40) LCH 5190MHz Ant1_NTNV



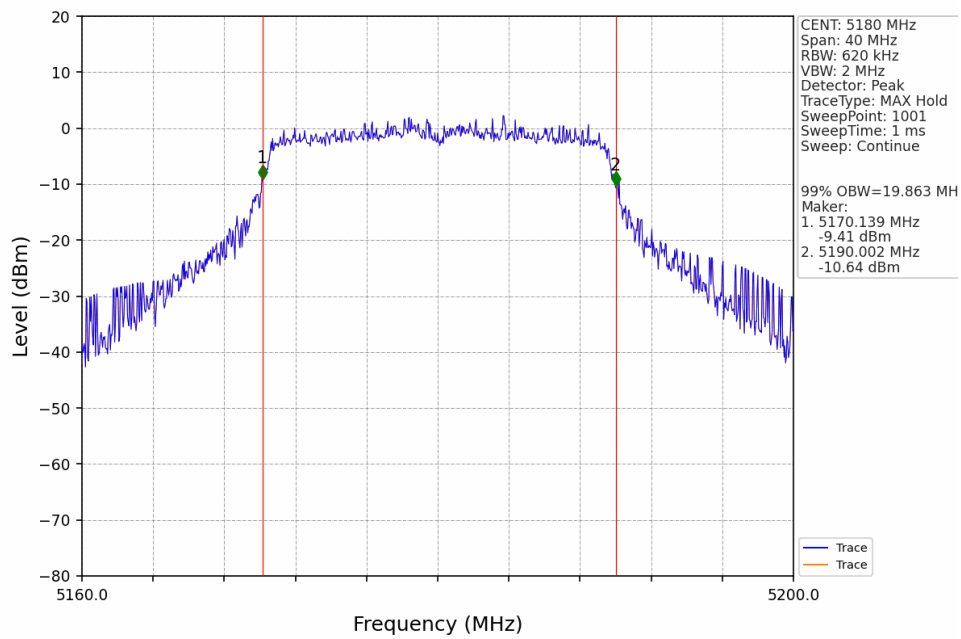
802.11ac(VHT40) HCH 5230MHz_Ant1_NTNV



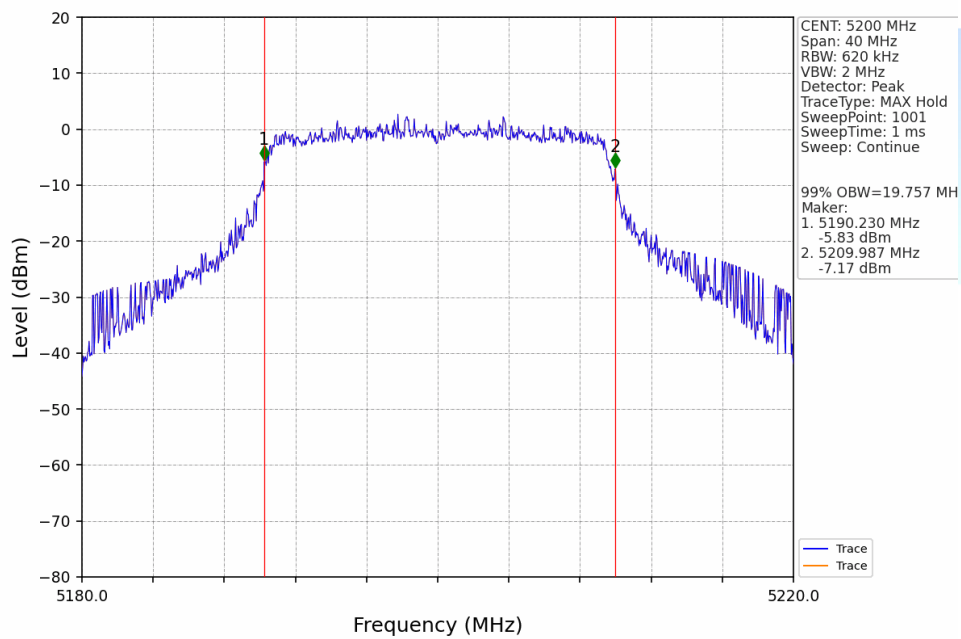
802.11ac(VHT80) MCH 5210MHz_Ant1_NTNV



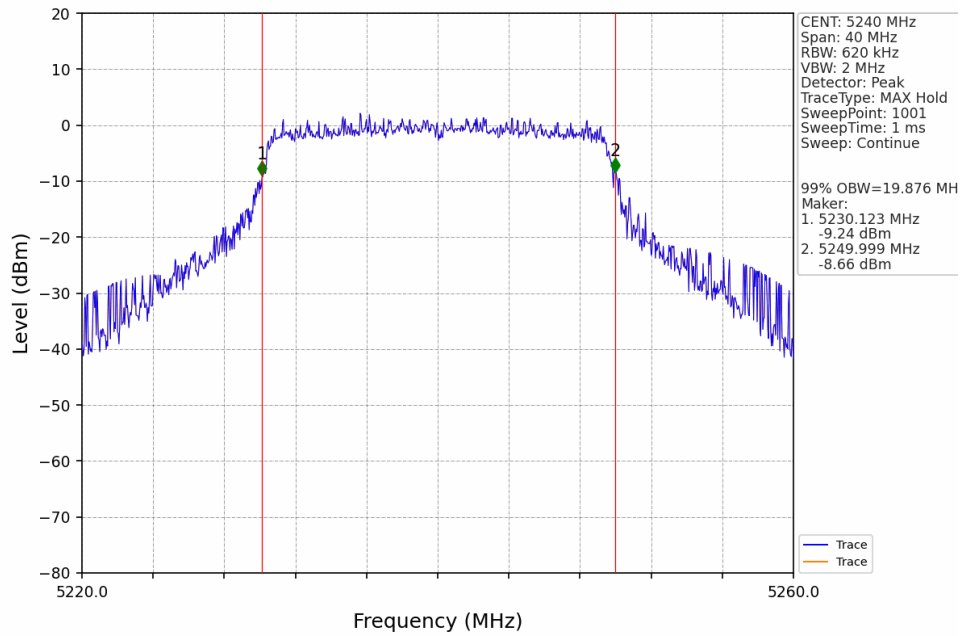
802.11ax(HEW20)_LCH_5180MHz_SU_ / Ant1_NTNV



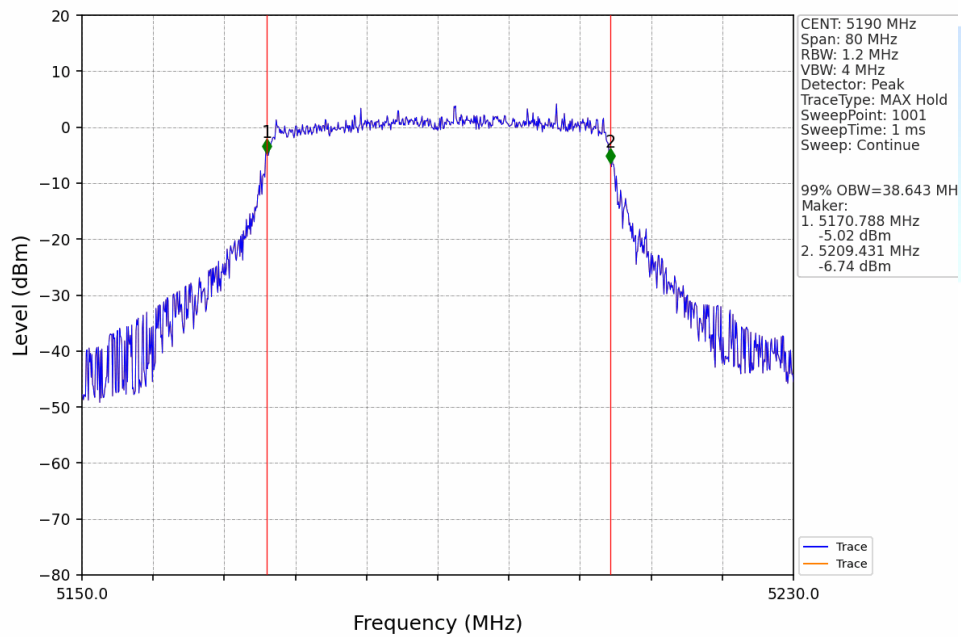
802.11ax(HEW20)_MCH_5200MHz_SU_ / Ant1_NTNV



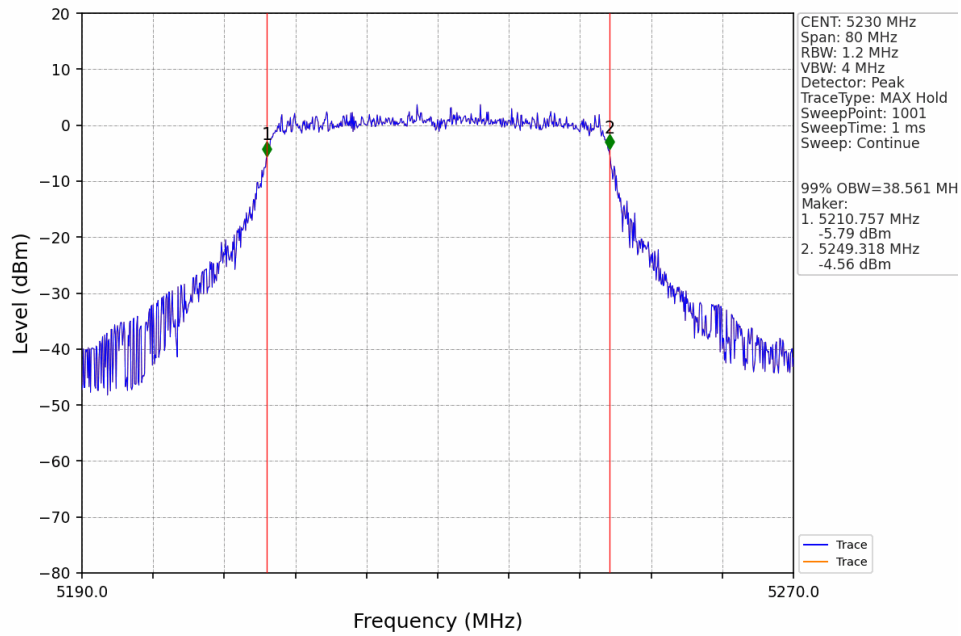
802.11ax(HEW20)_HCH_5240MHz_SU_ / Ant1_NTNV



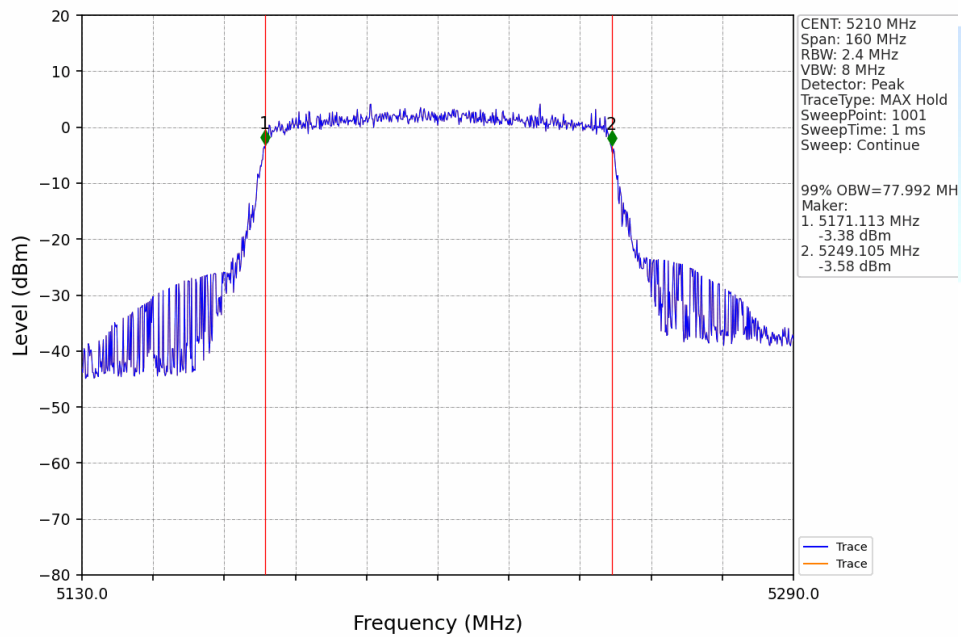
802.11ax(HEW40)_LCH_5190MHz_SU_ / Ant1_NTNV



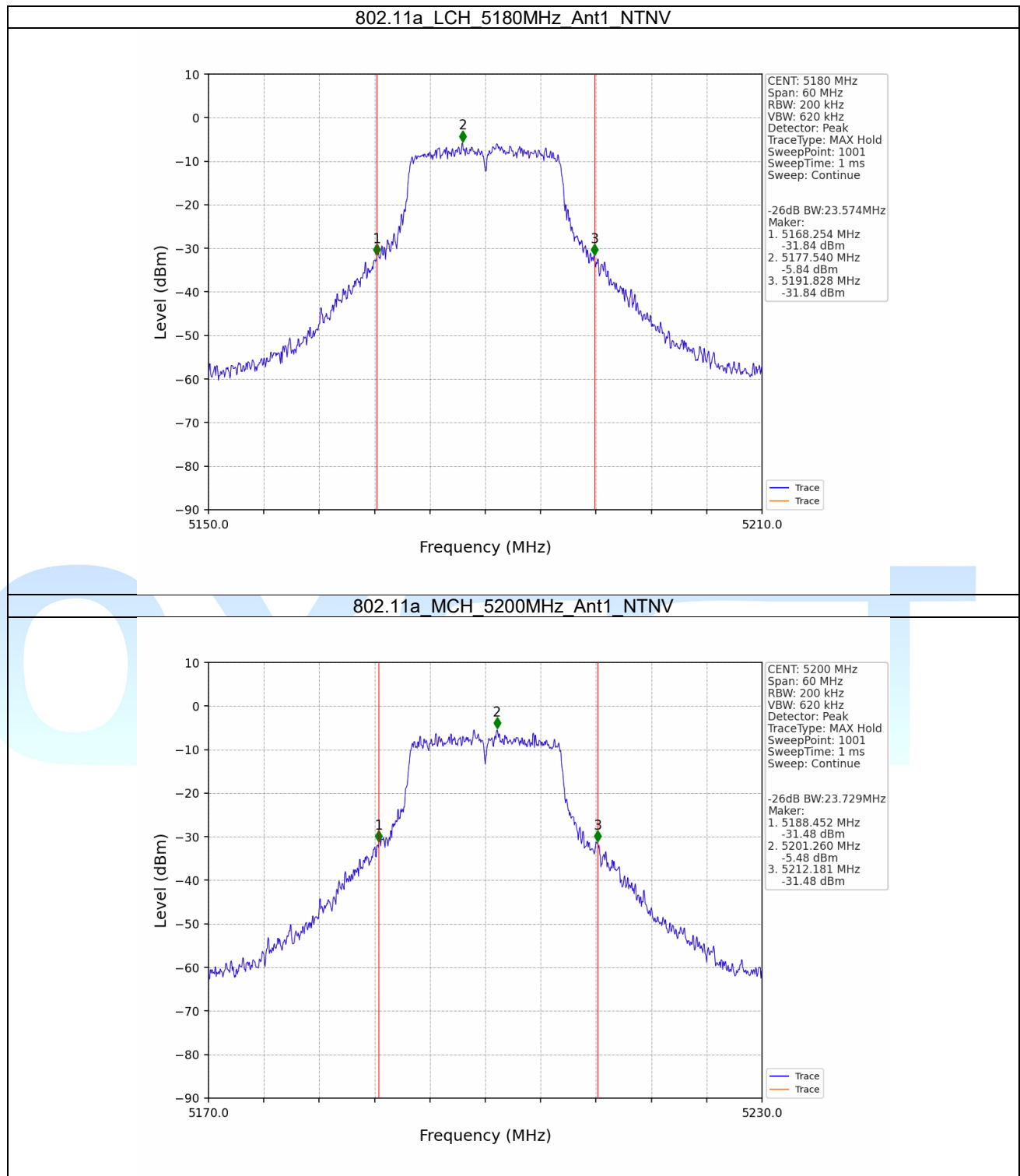
802.11ax(HEW40)_HCH_5230MHz_SU / Ant1_NTNV



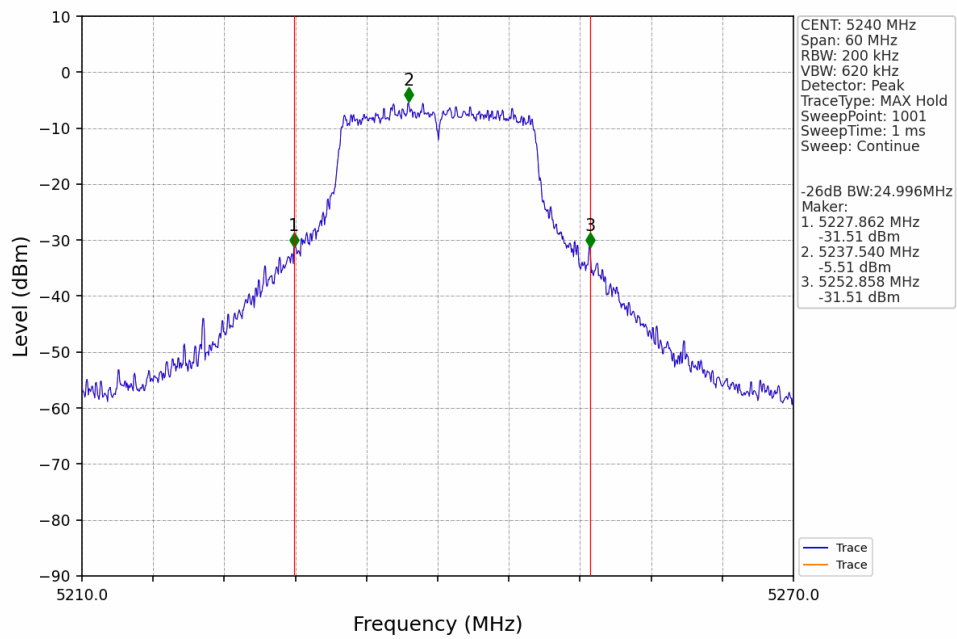
802.11ax(HEW80)_MCH_5210MHz_SU / Ant1_NTNV



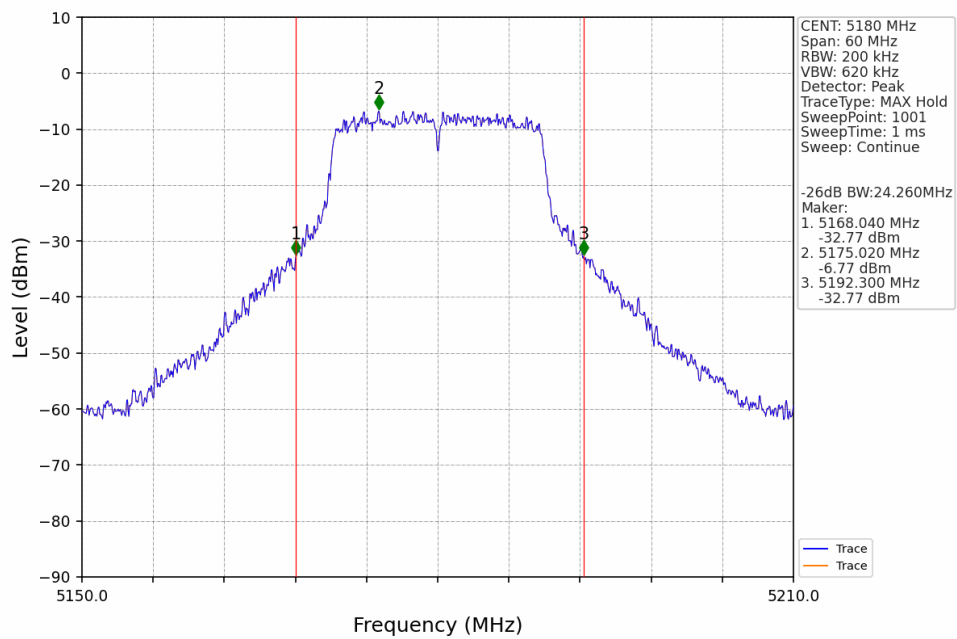
2.2.2 26dB BW



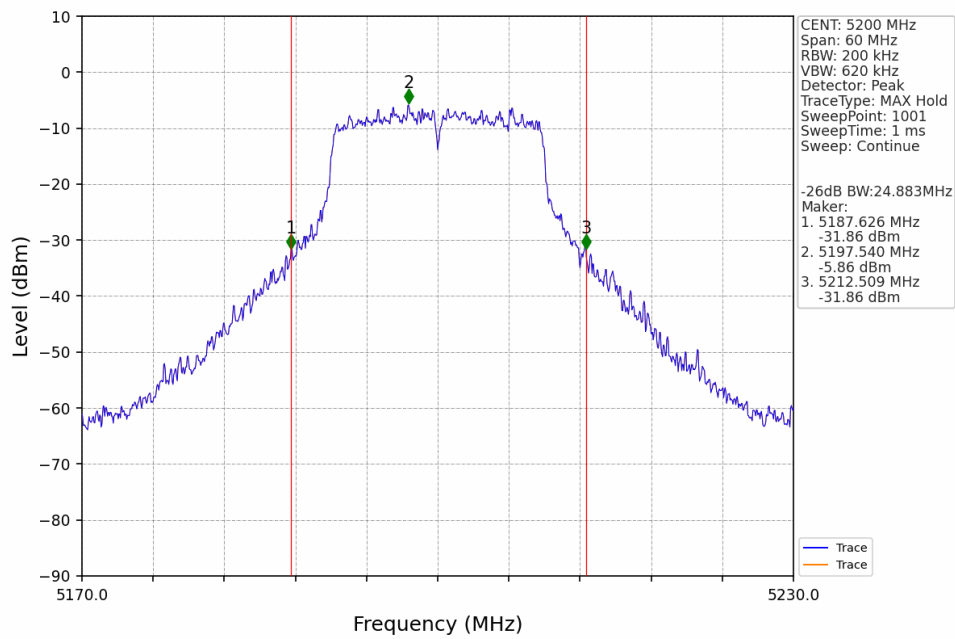
802.11a_HCH_5240MHz_Ant1_NTNV



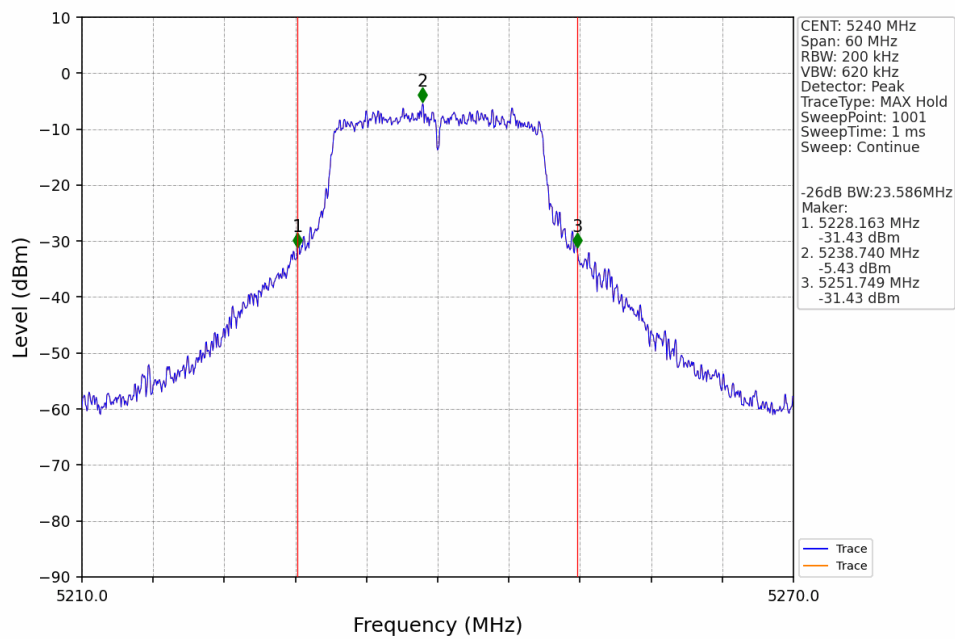
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



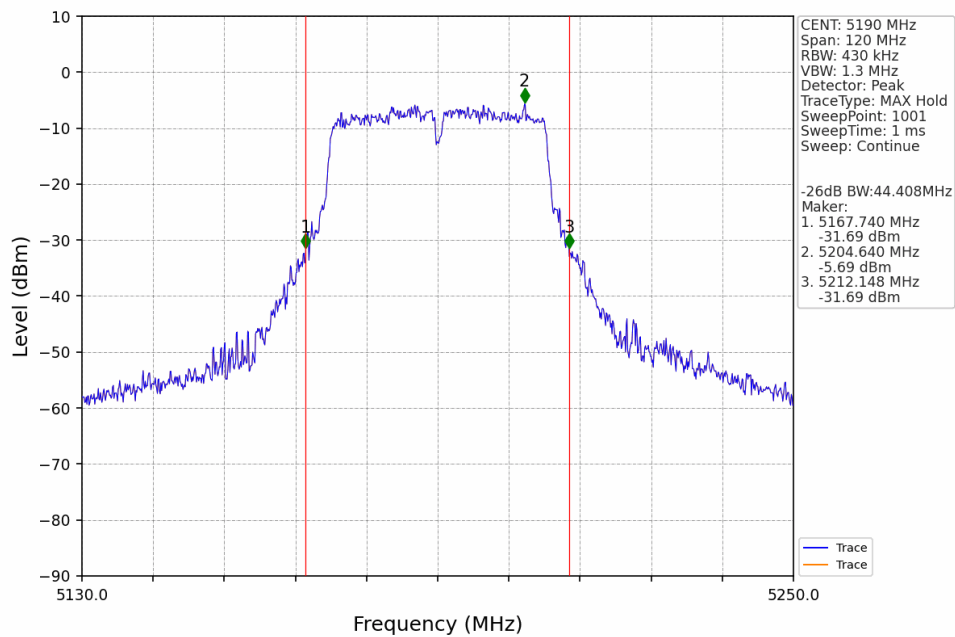
802.11n(HT20) MCH 5200MHz Ant1_NTNV



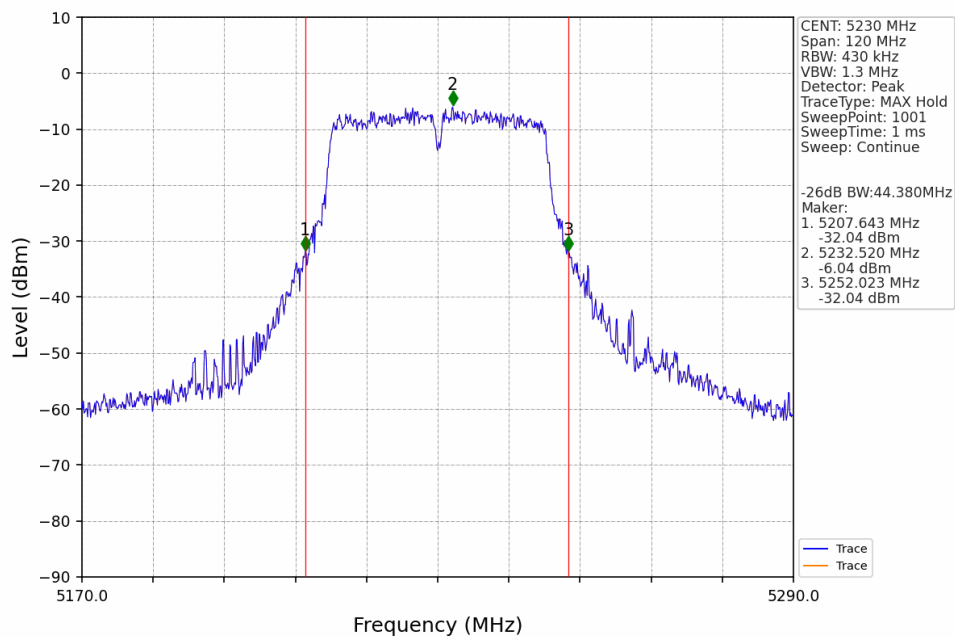
802.11n(HT20) HCH 5240MHz Ant1_NTNV



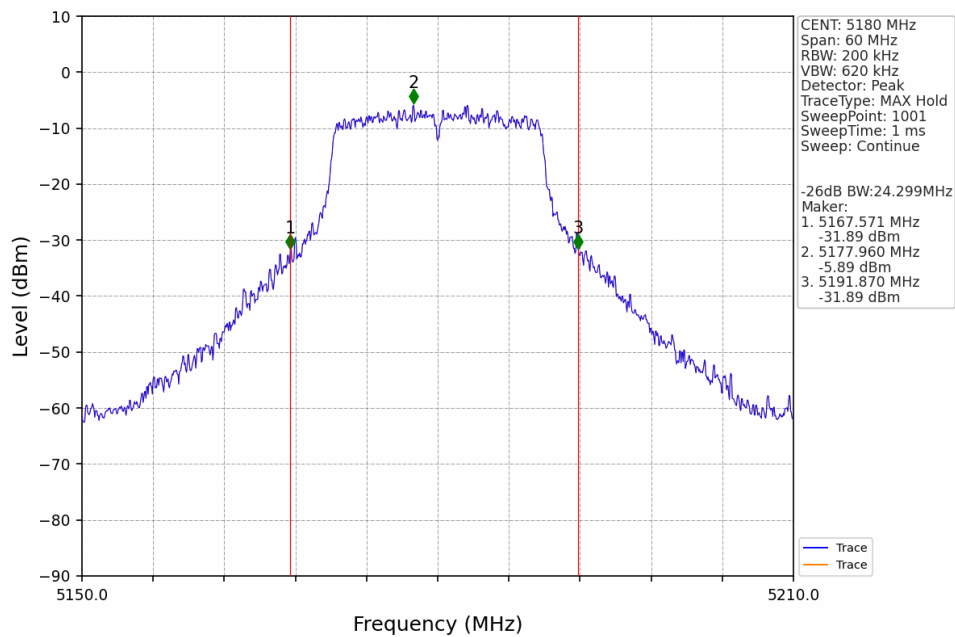
802.11n(HT40) LCH 5190MHz_Ant1_NTNV



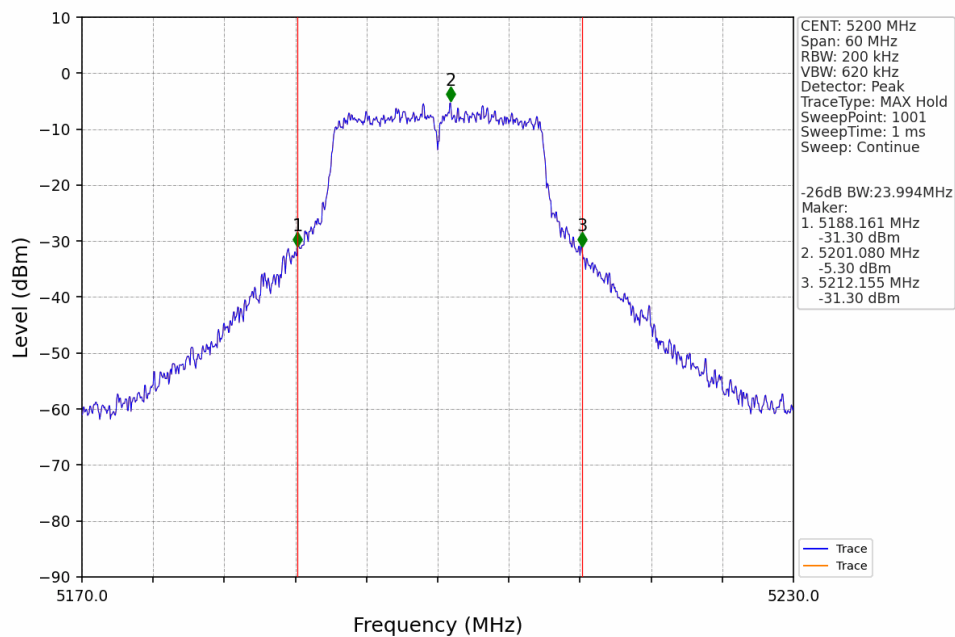
802.11n(HT40) HCH 5230MHz_Ant1_NTNV



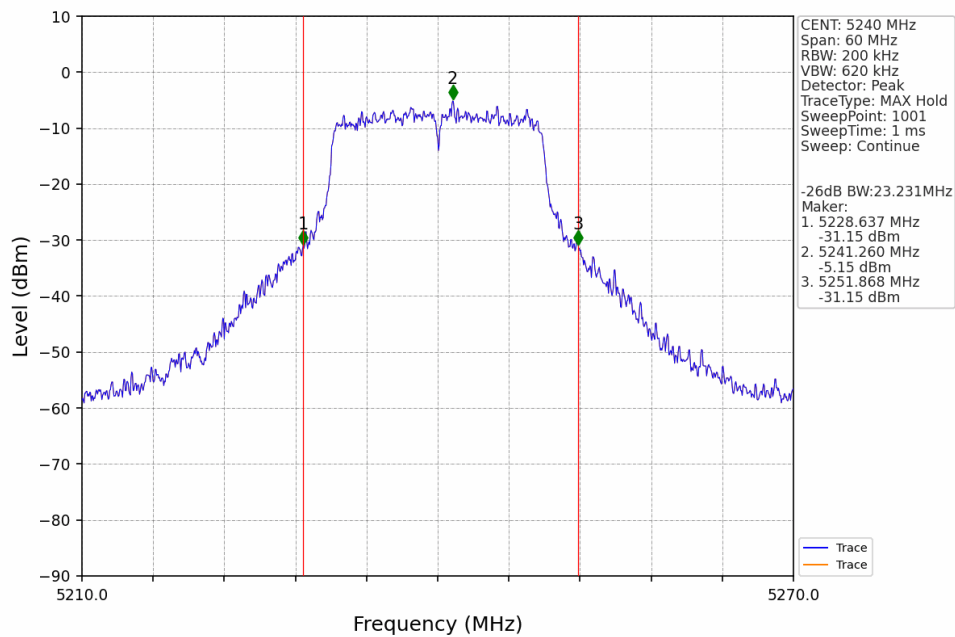
802.11ac(VHT20) LCH_5180MHz_Ant1_NTNV



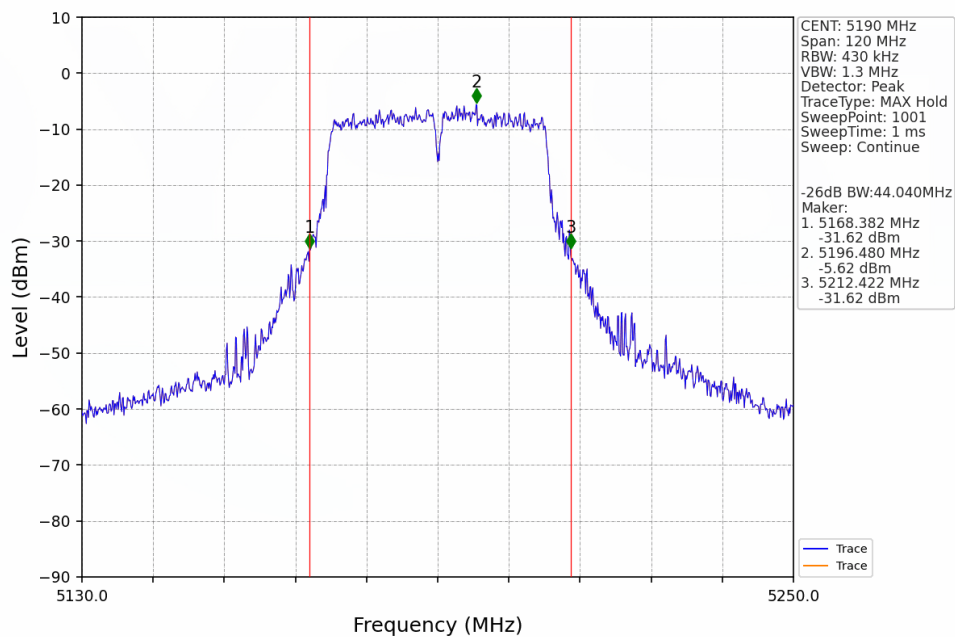
802.11ac(VHT20) MCH_5200MHz_Ant1_NTNV



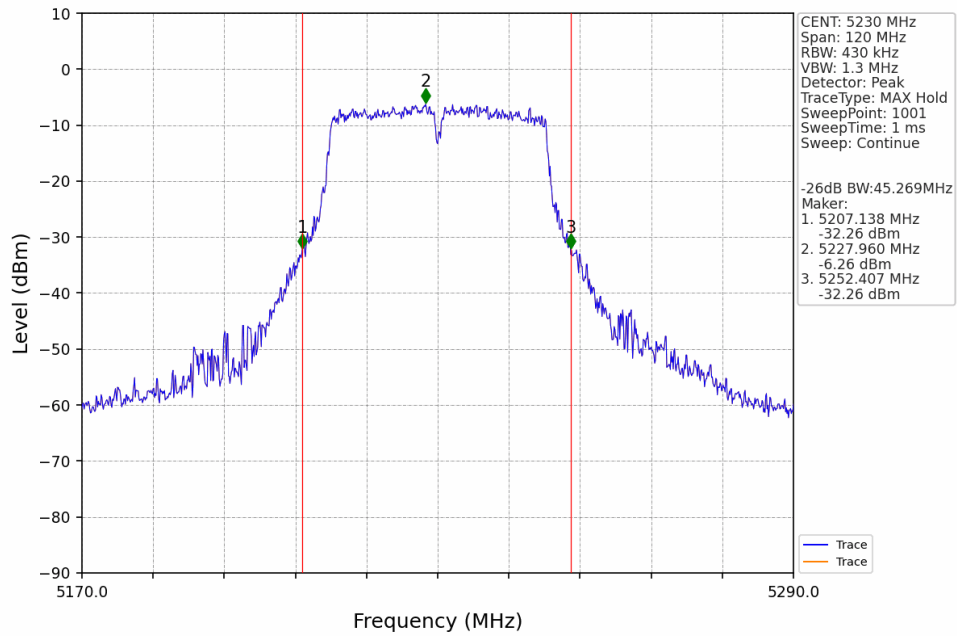
802.11ac(VHT20) HCH 5240MHz Ant1_NTNV



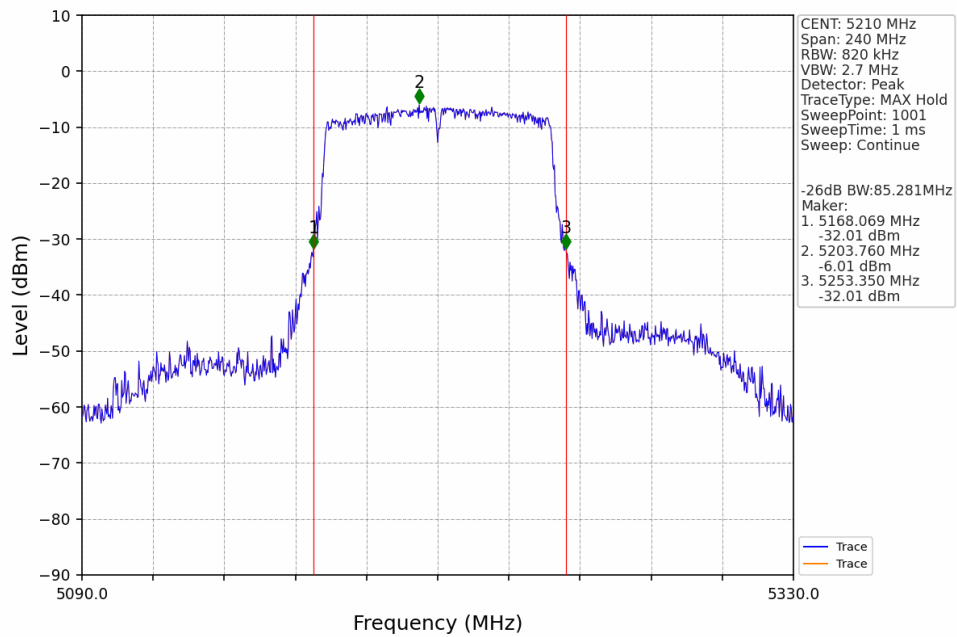
802.11ac(VHT40) LCH 5190MHz Ant1_NTNV



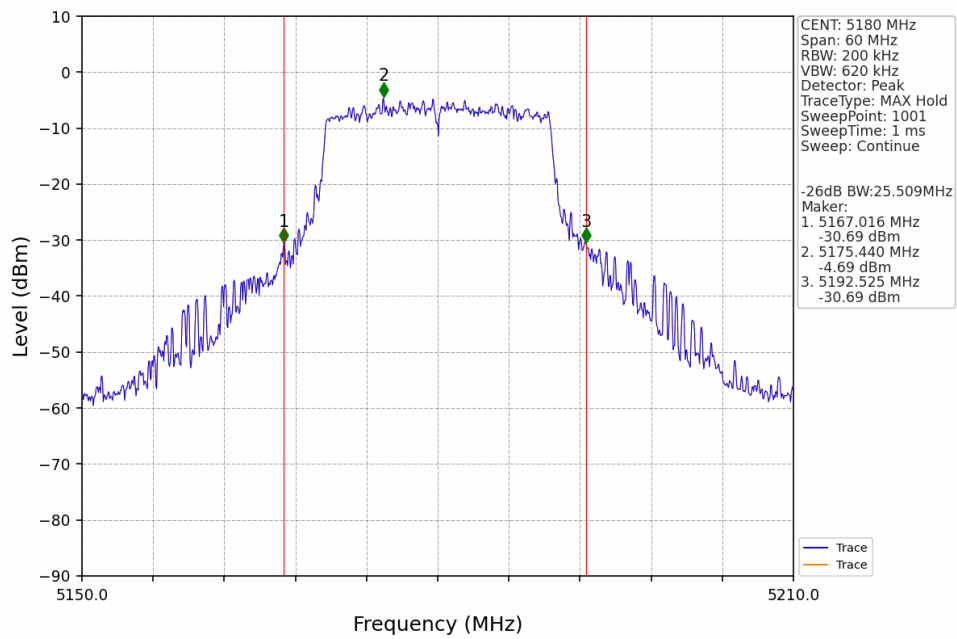
802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



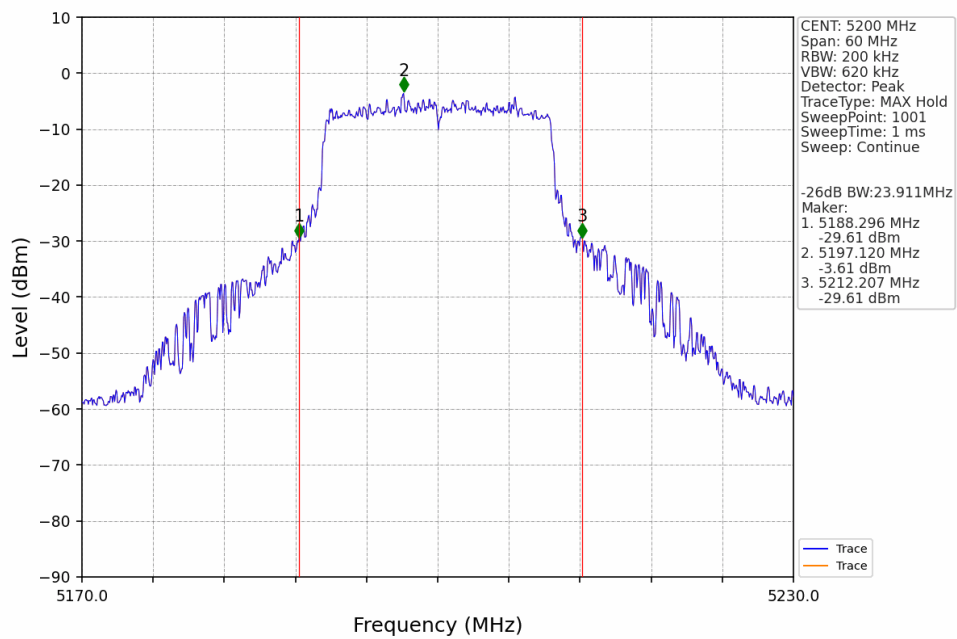
802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



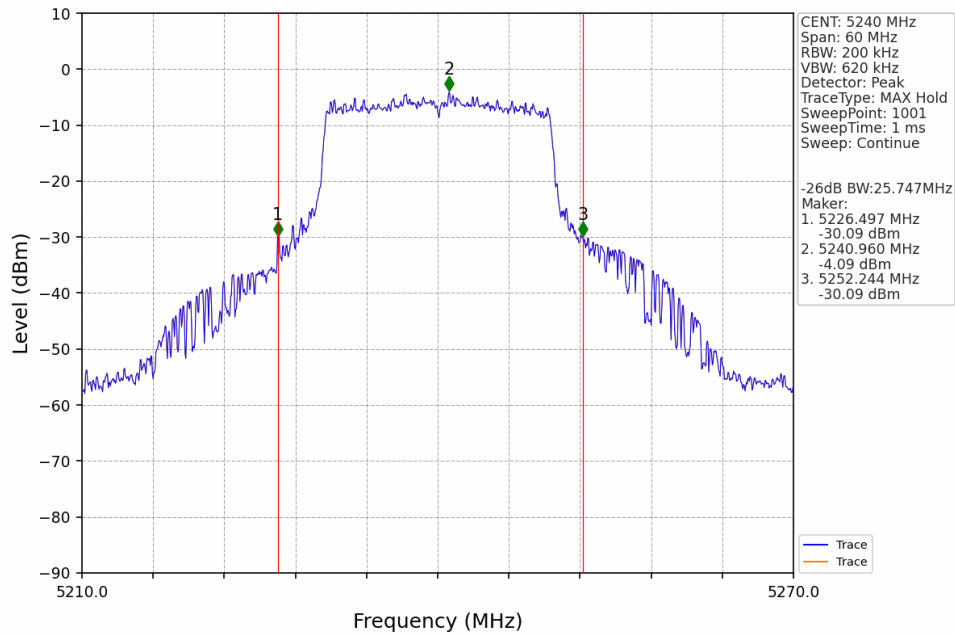
802.11ax(HEW20)_LCH_5180MHz_SU_ / Ant1_NTNV



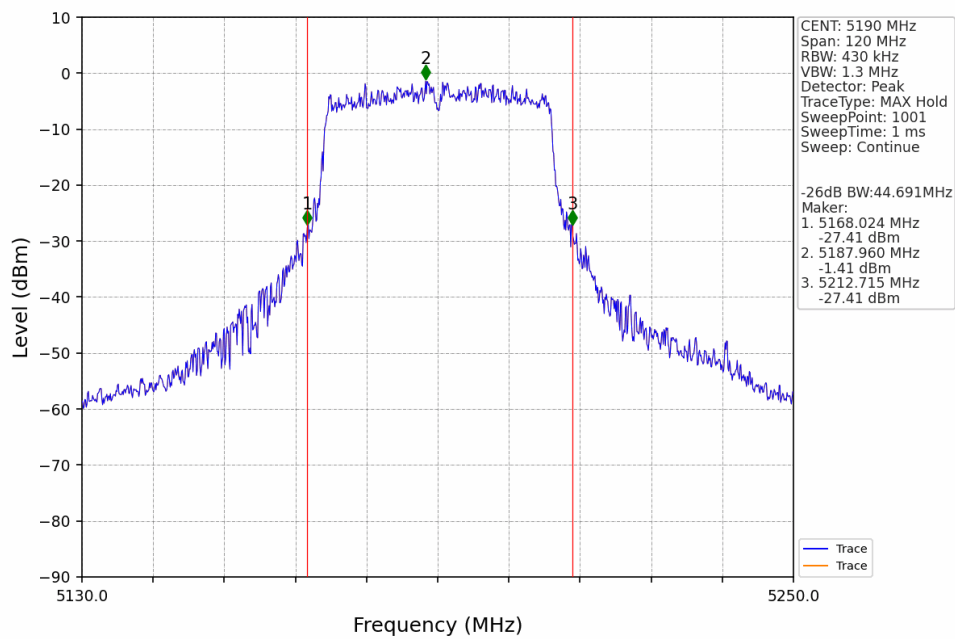
802.11ax(HEW20)_MCH_5200MHz_SU_ / Ant1_NTNV



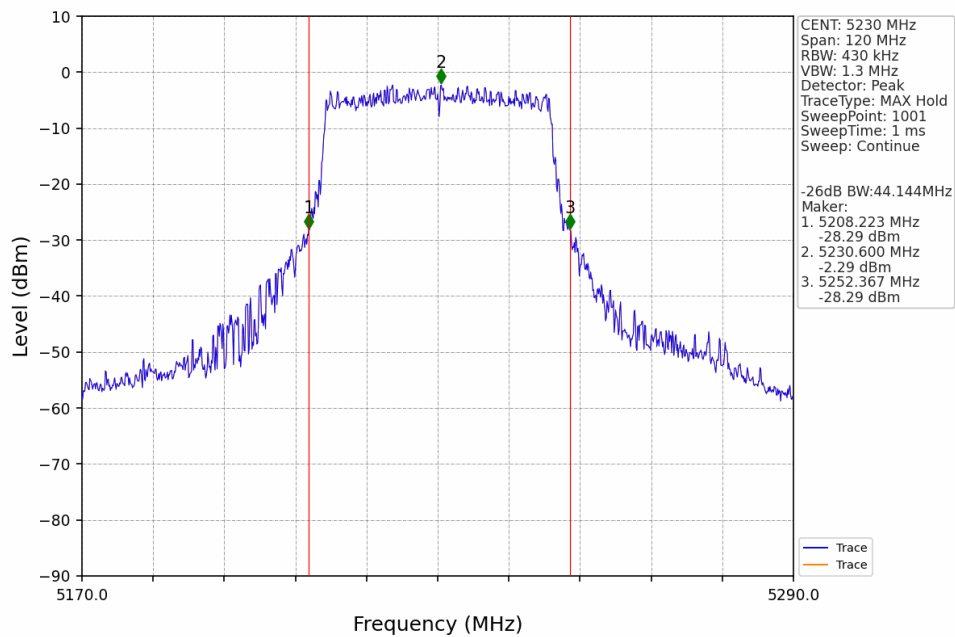
802.11ax(HEW20)_HCH_5240MHz_SU_ / Ant1_NTNV



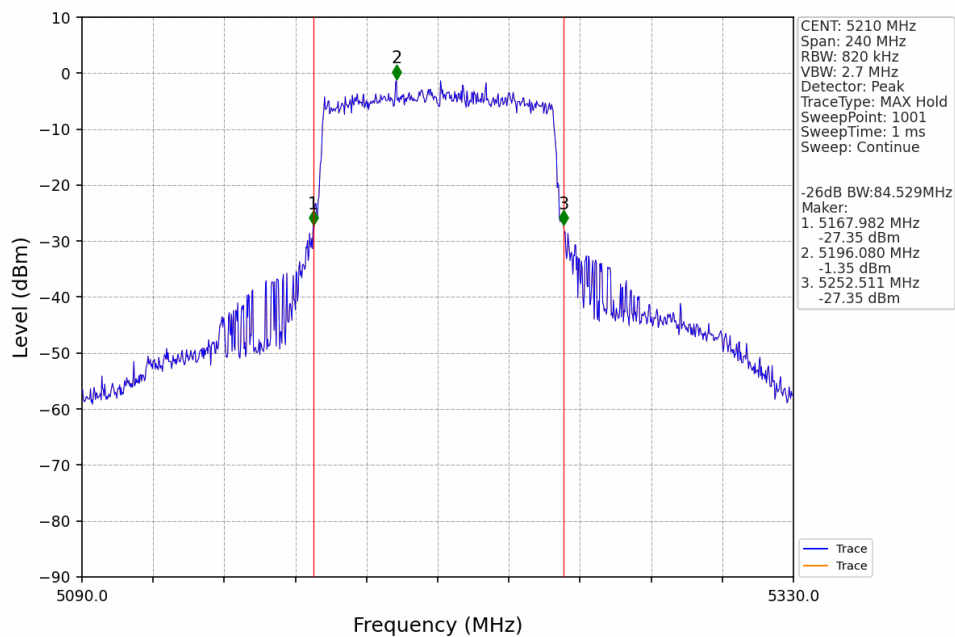
802.11ax(HEW40)_LCH_5190MHz_SU_ / Ant1_NTNV



802.11ax(HEW40)_HCH_5230MHz_SU / Ant1_NTNV



802.11ax(HEW80)_MCH_5210MHz_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	5180	/	/	5.27	<=23.98	Pass
		5200	/	/	4.50	<=23.98	Pass
		5240	/	/	4.21	<=23.98	Pass
802.11n (HT20)	SISO	5180	/	/	3.40	<=23.98	Pass
		5200	/	/	4.87	<=23.98	Pass
		5240	/	/	5.82	<=23.98	Pass
802.11n (HT40)	SISO	5190	/	/	3.55	<=23.98	Pass
		5230	/	/	3.33	<=23.98	Pass
802.11ac (VHT20)	SISO	5180	/	/	3.44	<=23.98	Pass
		5200	/	/	5.07	<=23.98	Pass
		5240	/	/	4.72	<=23.98	Pass
802.11ac (VHT40)	SISO	5190	/	/	3.83	<=23.98	Pass
		5230	/	/	4.34	<=23.98	Pass
802.11ac (VHT80)	SISO	5210	/	/	6.38	<=23.98	Pass
802.11ax (HEW20)	SISO	5180	SU	/	5.04	<=23.98	Pass
		5200	SU	/	5.26	<=23.98	Pass
		5240	SU	/	5.55	<=23.98	Pass
802.11ax (HEW40)	SISO	5190	SU	/	6.58	<=23.98	Pass
		5230	SU	/	6.98	<=23.98	Pass
802.11ax (HEW80)	SISO	5210	SU	/	5.85	<=23.98	Pass

Note1: Antenna Gain: Ant1: 1.56dBi;

4. Maximum Power Spectral Density

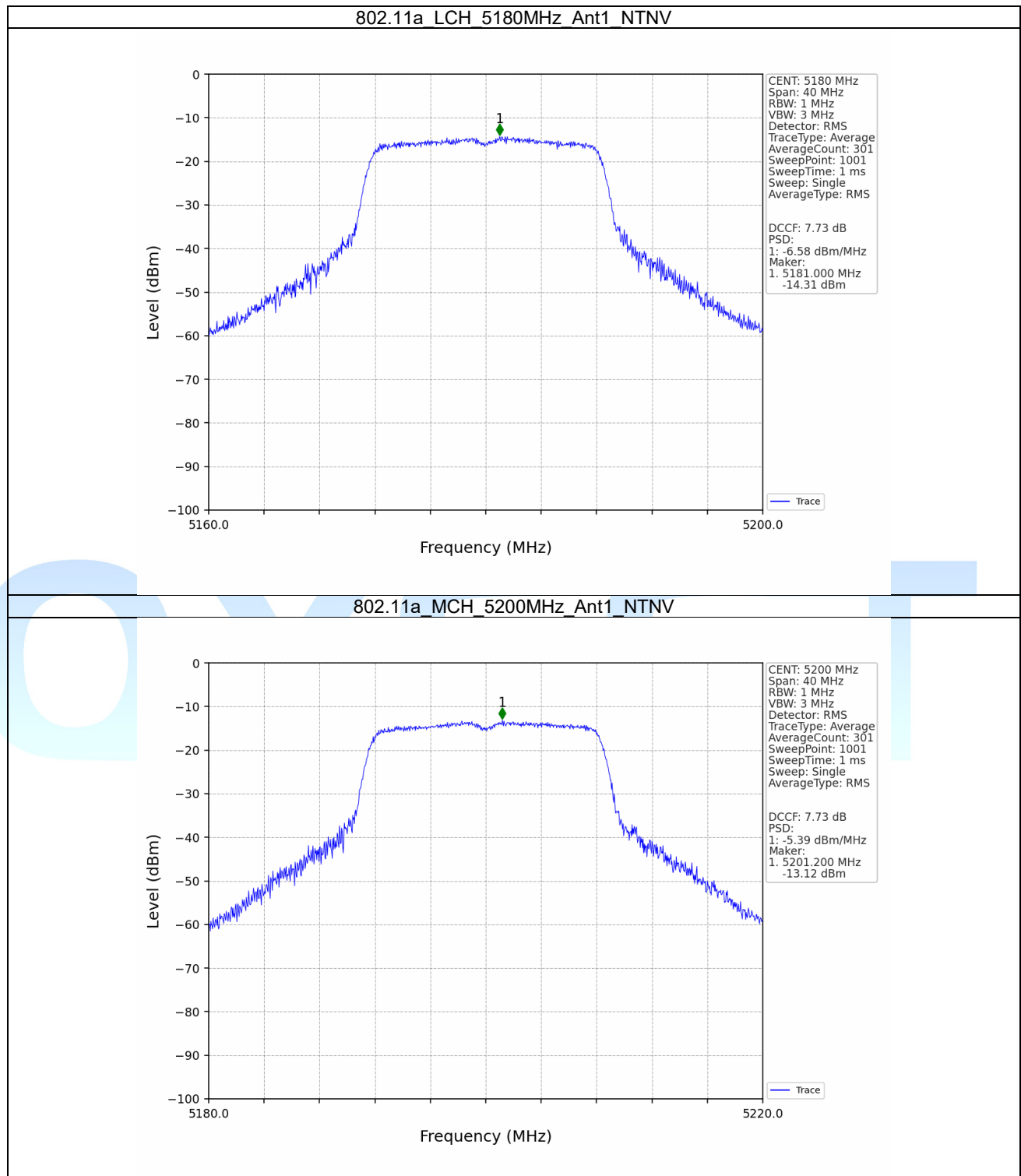
4.1 Test Result

4.1.1 PSD

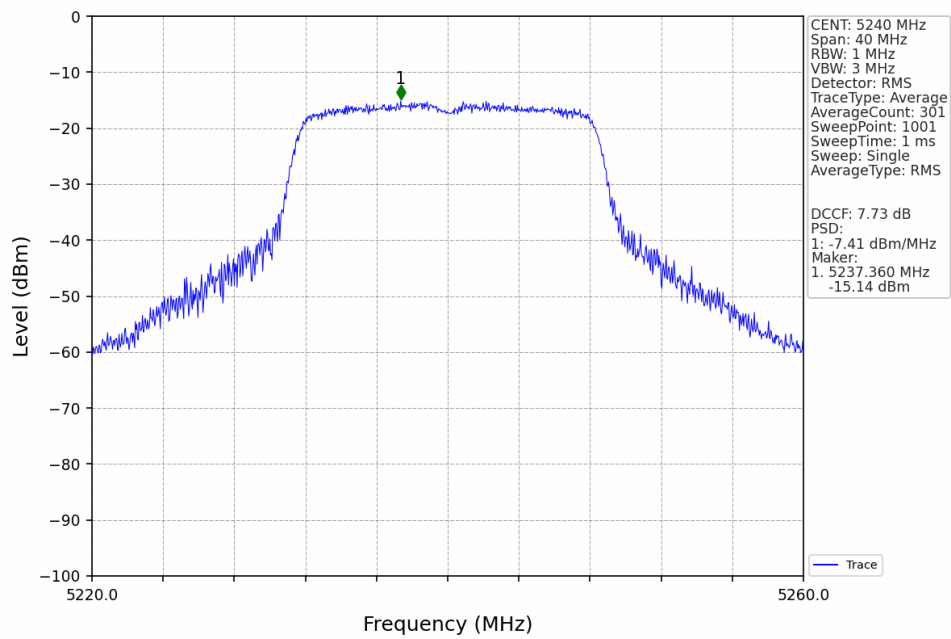
Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum PSD (dBm/MHz)		Verdict
					ANT1	Limit	
802.11a	SISO	5180	/	/	-6.58	<=11	Pass
		5200	/	/	-5.39	<=11	Pass
		5240	/	/	-7.41	<=11	Pass
802.11n (HT20)	SISO	5180	/	/	-6.49	<=11	Pass
		5200	/	/	-6.27	<=11	Pass
		5240	/	/	-6.20	<=11	Pass
802.11n (HT40)	SISO	5190	/	/	-8.20	<=11	Pass
		5230	/	/	-10.28	<=11	Pass
802.11ac (VHT20)	SISO	5180	/	/	-5.66	<=11	Pass
		5200	/	/	-8.02	<=11	Pass
		5240	/	/	-6.83	<=11	Pass
802.11ac (VHT40)	SISO	5190	/	/	-8.28	<=11	Pass
		5230	/	/	-8.16	<=11	Pass
802.11ac (VHT80)	SISO	5210	/	/	-10.17	<=11	Pass
802.11ax (HEW20)	SISO	5180	SU	/	-6.16	<=11	Pass
		5200	SU	/	-5.81	<=11	Pass
		5240	SU	/	-4.75	<=11	Pass
802.11ax (HEW40)	SISO	5190	SU	/	-6.32	<=11	Pass
		5230	SU	/	-6.78	<=11	Pass
802.11ax (HEW80)	SISO	5210	SU	/	-8.29	<=11	Pass
Note1: Antenna Gain: Ant1: 1.56dBi; Note2: Test result contains DCCF							

4.2 Test Graph

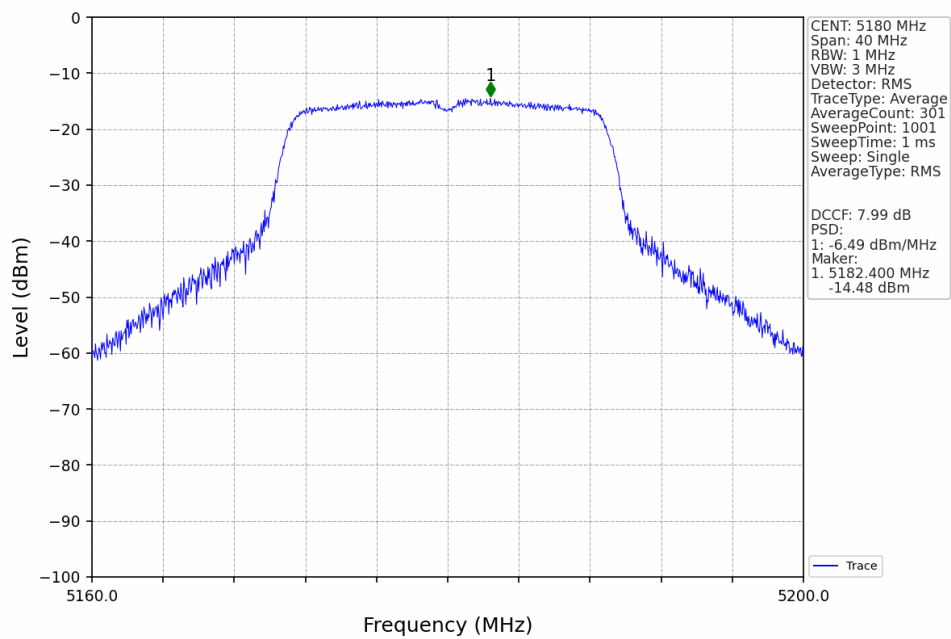
4.2.1 PSD



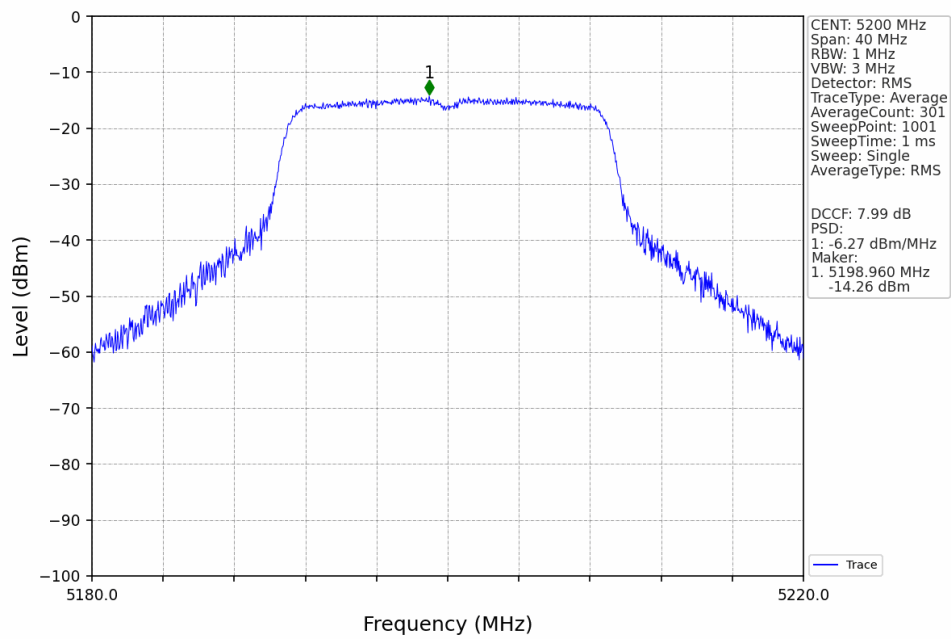
802.11a_HCH_5240MHz_Ant1_NTNV



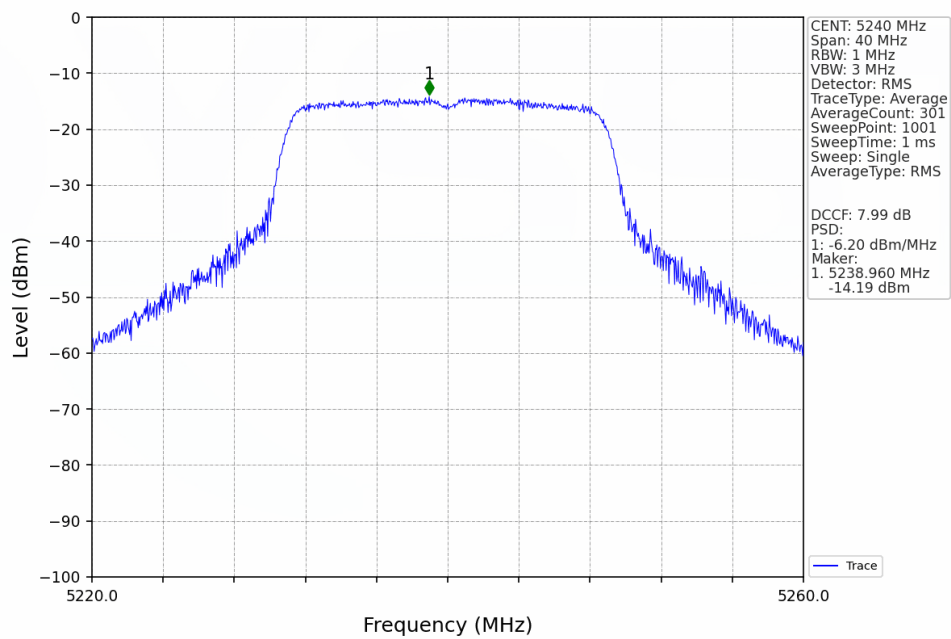
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



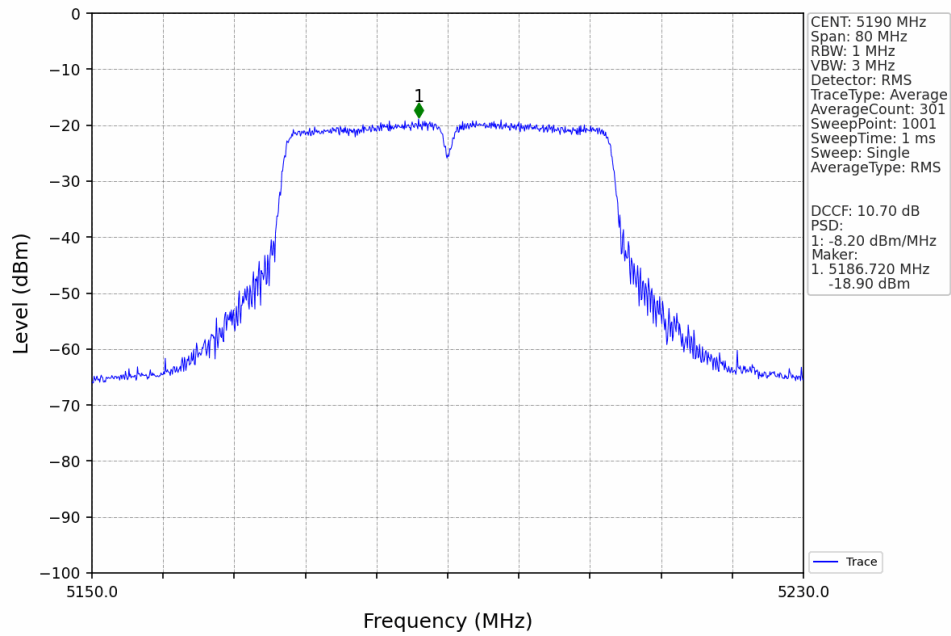
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



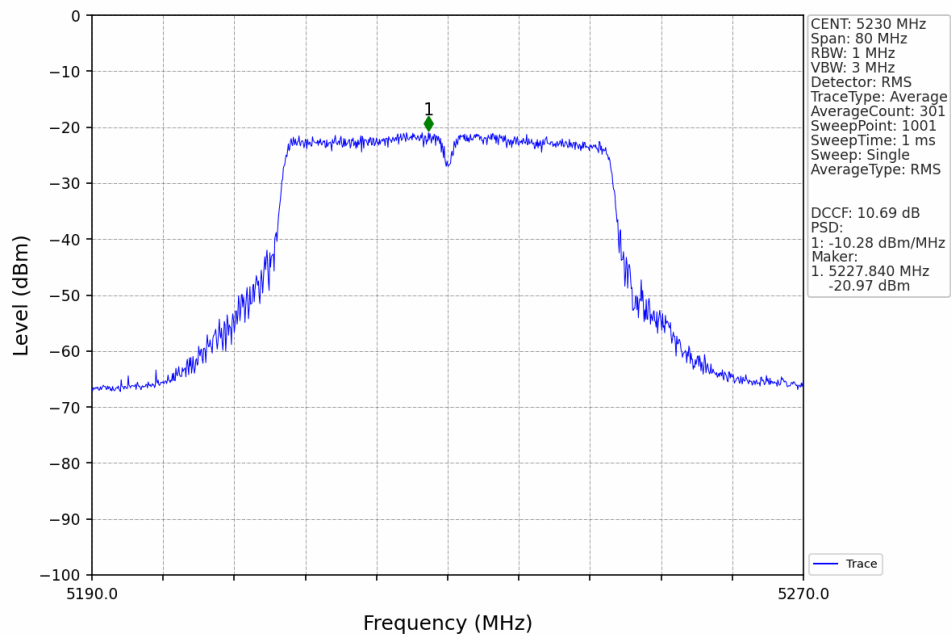
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



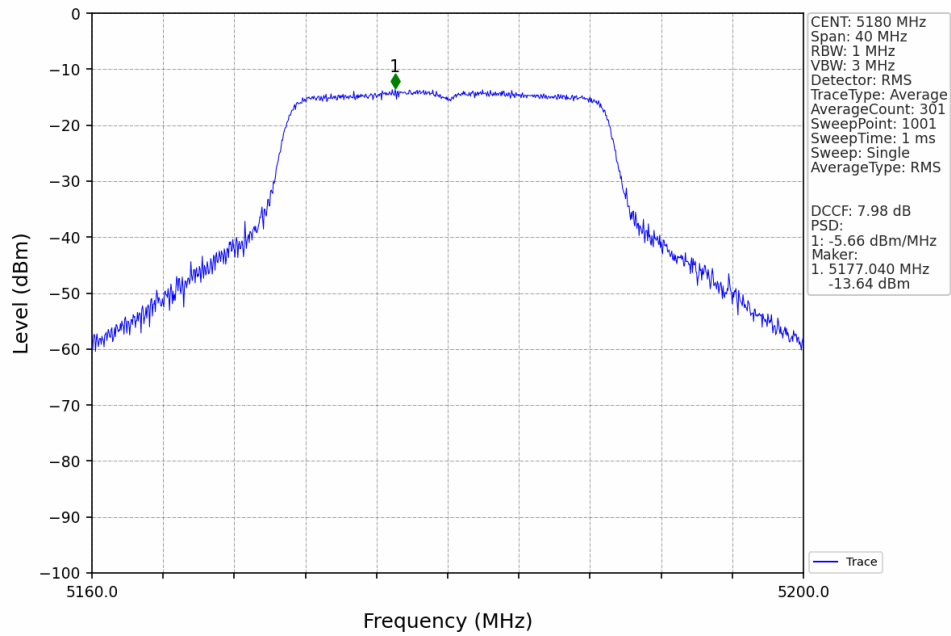
802.11n(HT40) LCH 5190MHz_Ant1_NTNV



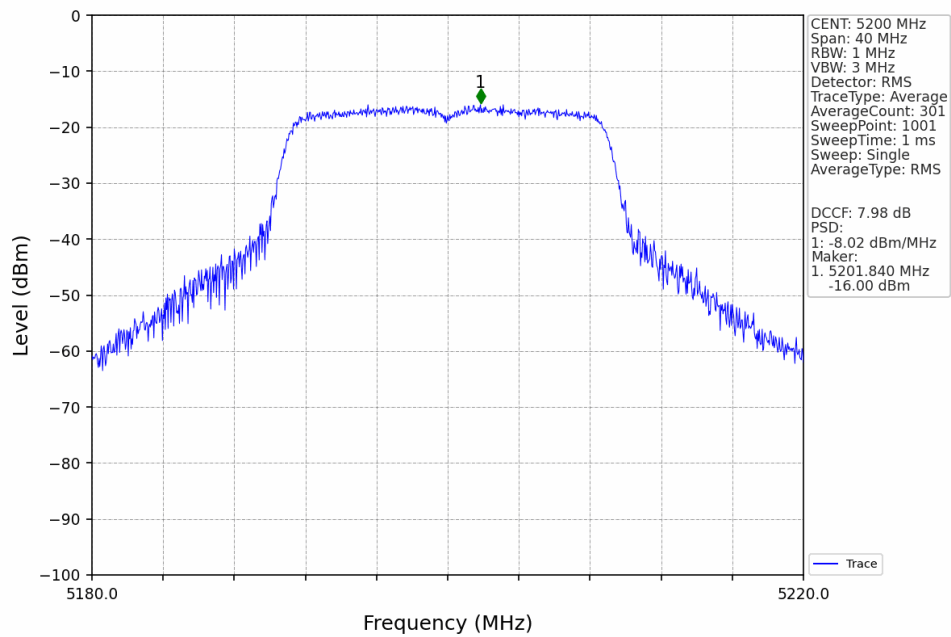
802.11n(HT40) HCH 5230MHz_Ant1_NTNV



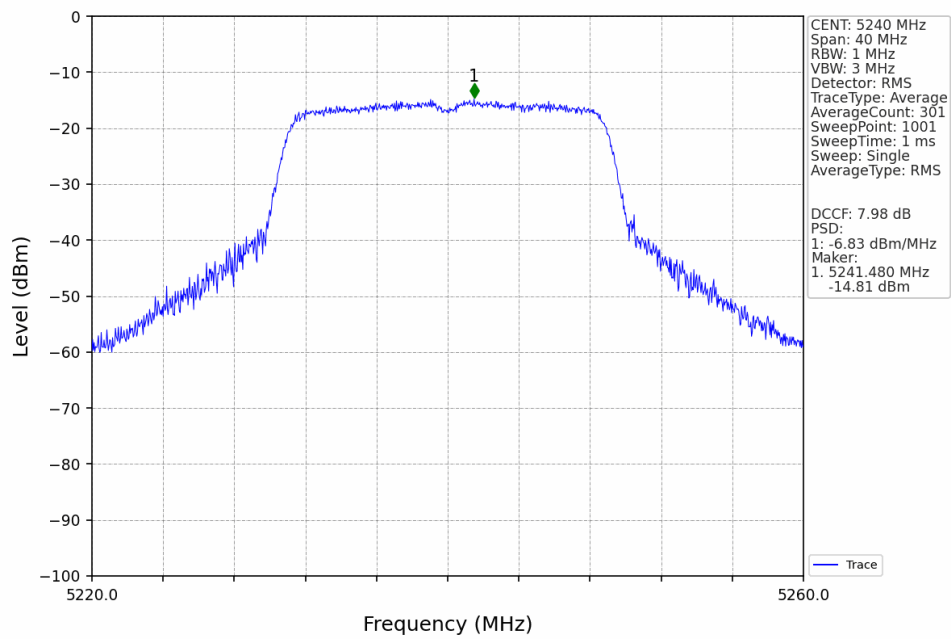
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



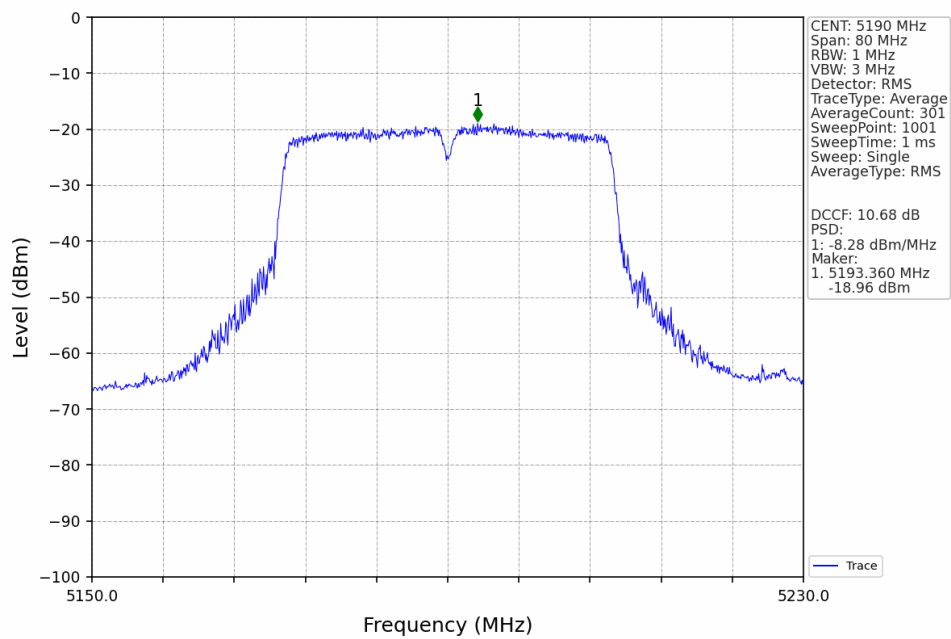
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



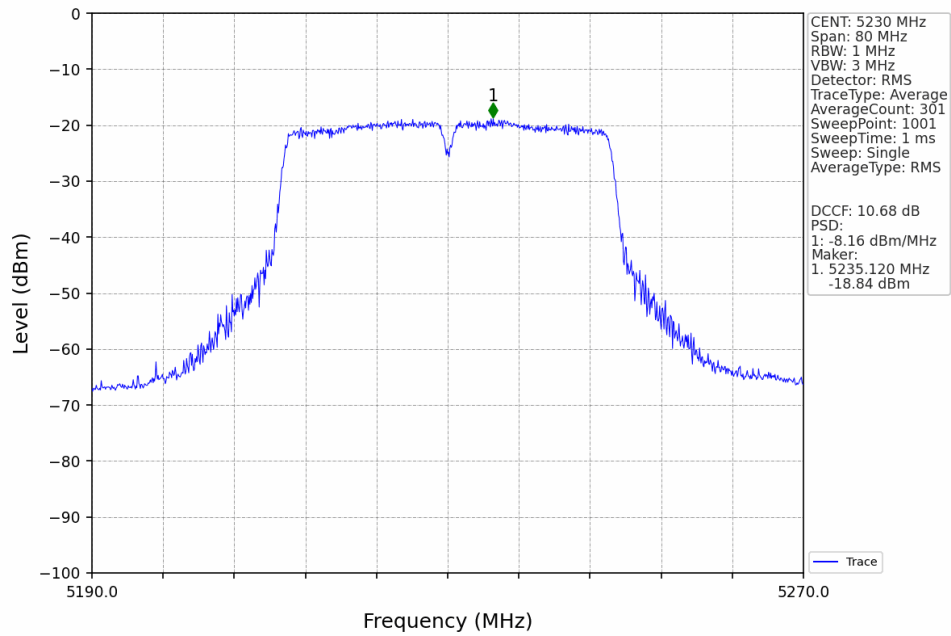
802.11ac(VHT20) HCH 5240MHz Ant1_NTNV



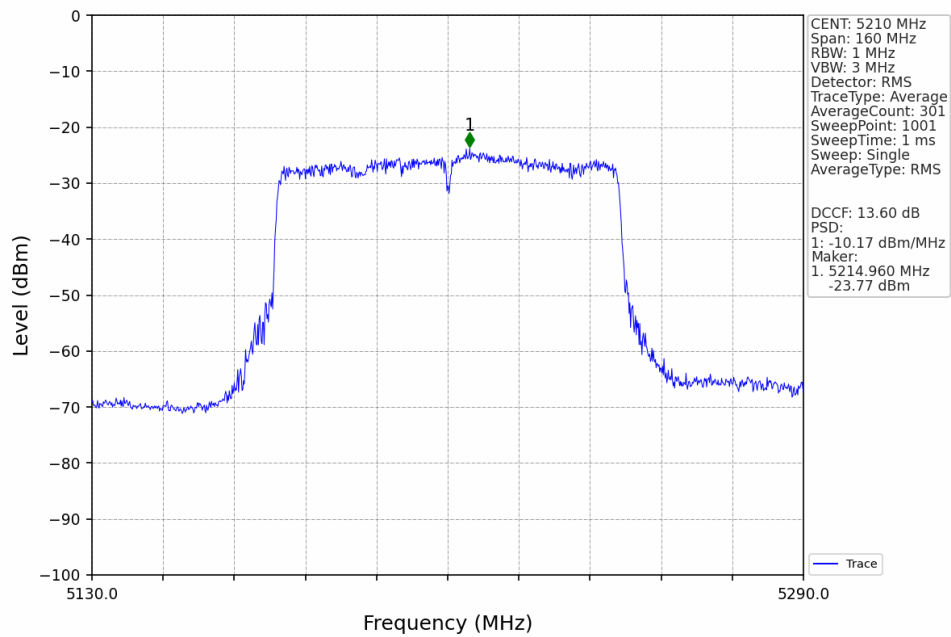
802.11ac(VHT40) LCH 5190MHz Ant1_NTNV



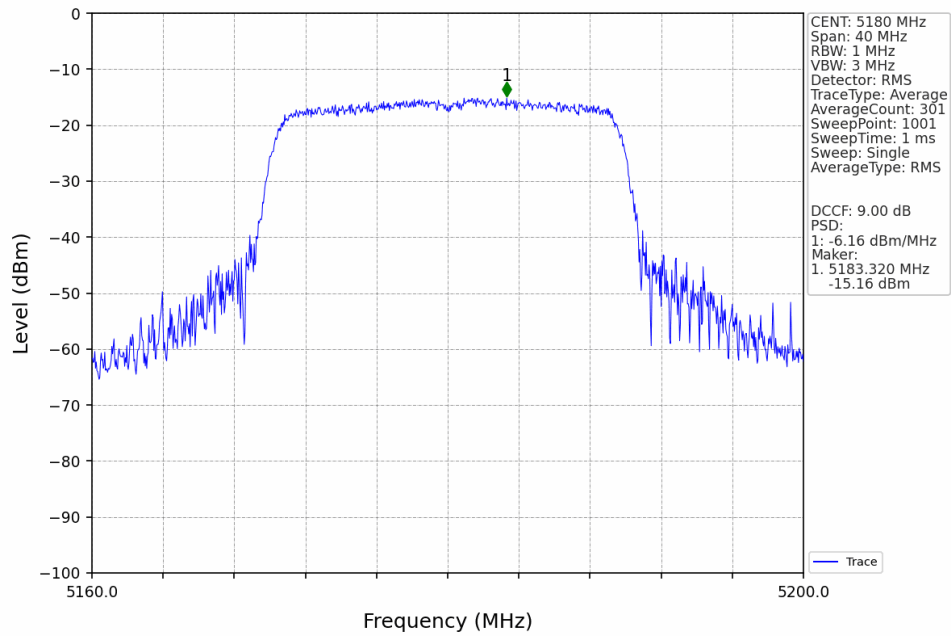
802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



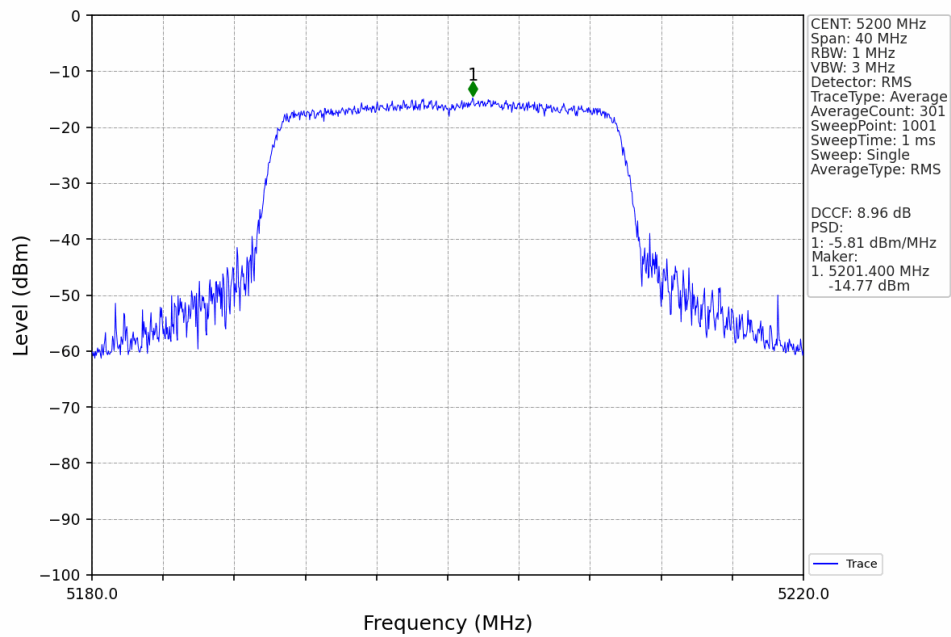
802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



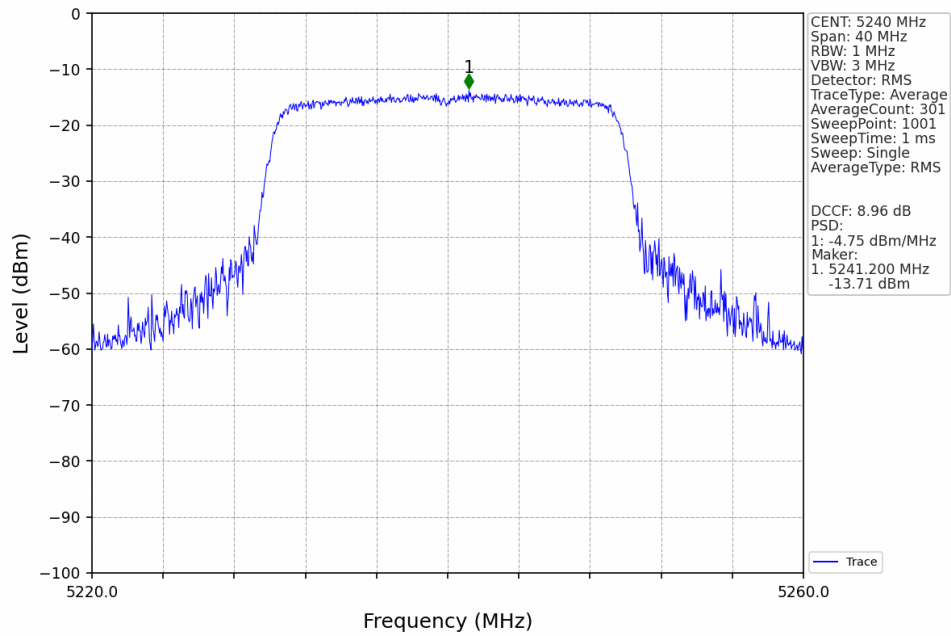
802.11ax(HEW20)_LCH_5180MHz_SU_ / Ant1_NTNV



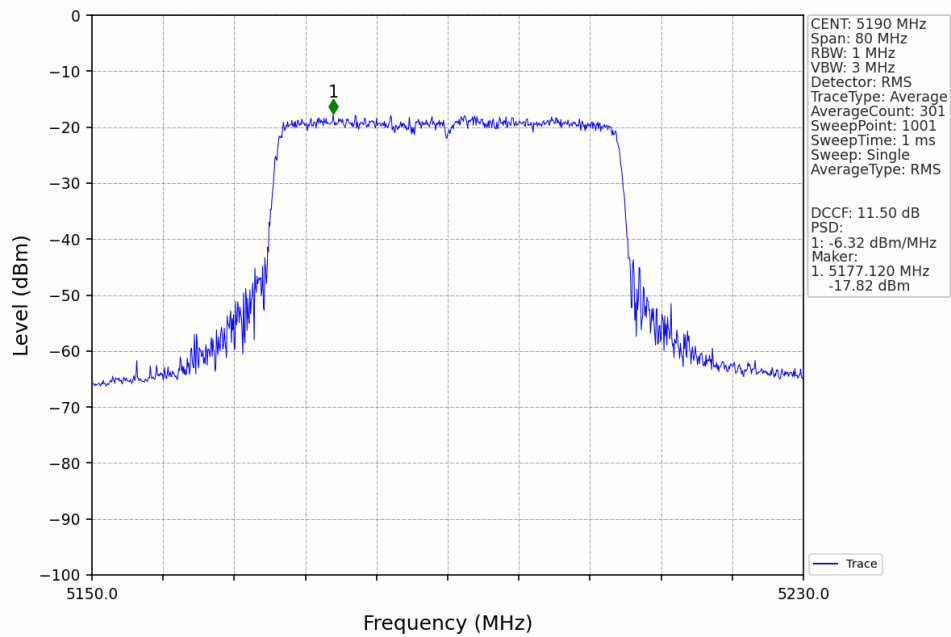
802.11ax(HEW20)_MCH_5200MHz_SU_ / Ant1_NTNV



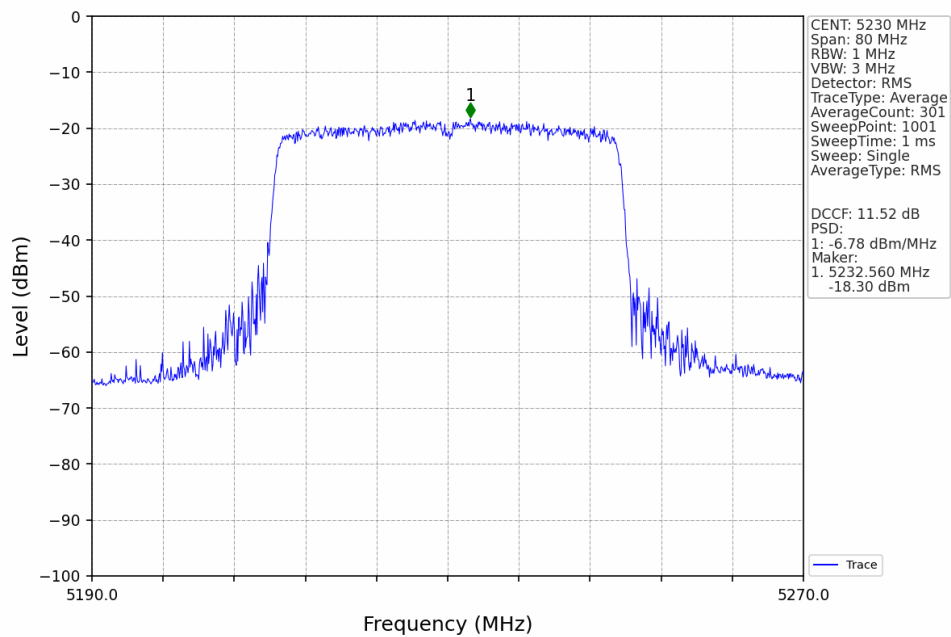
802.11ax(HEW20)_HCH_5240MHz_SU_ / Ant1_NTNV



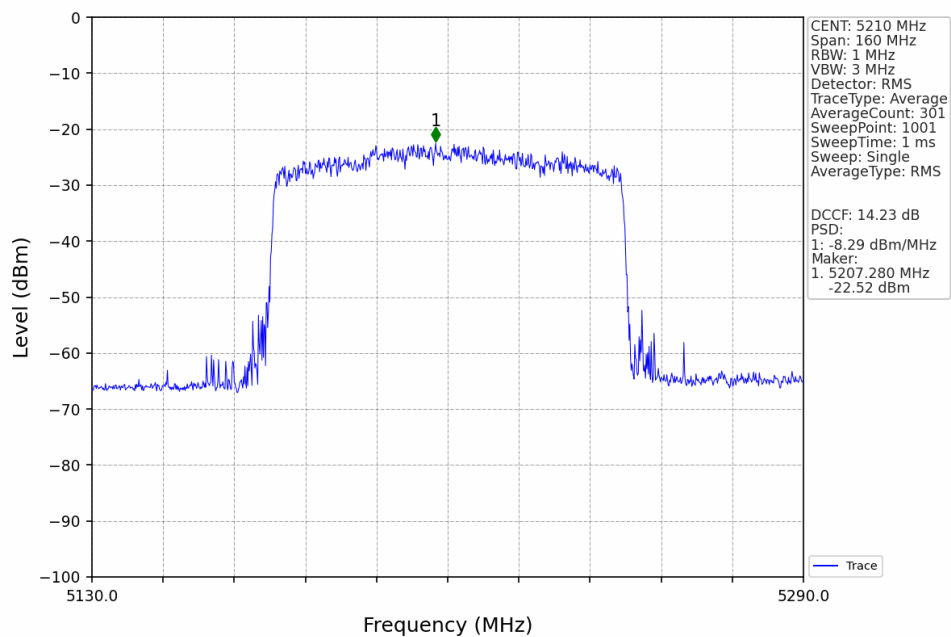
802.11ax(HEW40)_LCH_5190MHz_SU_ / Ant1_NTNV



802.11ax(HEW40)_HCH_5230MHz_SU / Ant1_NTNV



802.11ax(HEW80)_MCH_5210MHz_SU / Ant1_NTNV



5. Unwanted Emissions In Restricted Frequency Bands

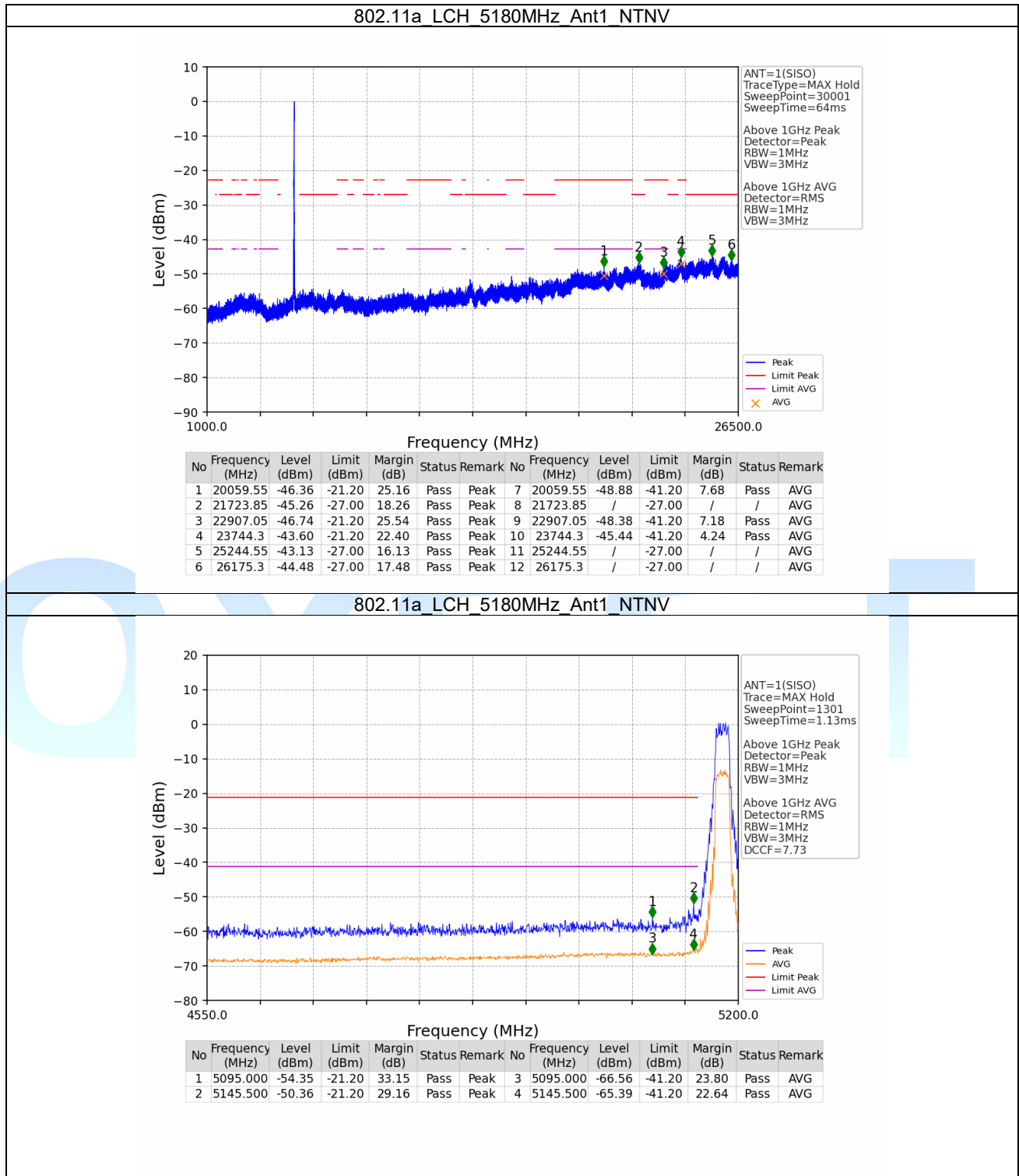
5.1 Test Result

5.1.1 RSE

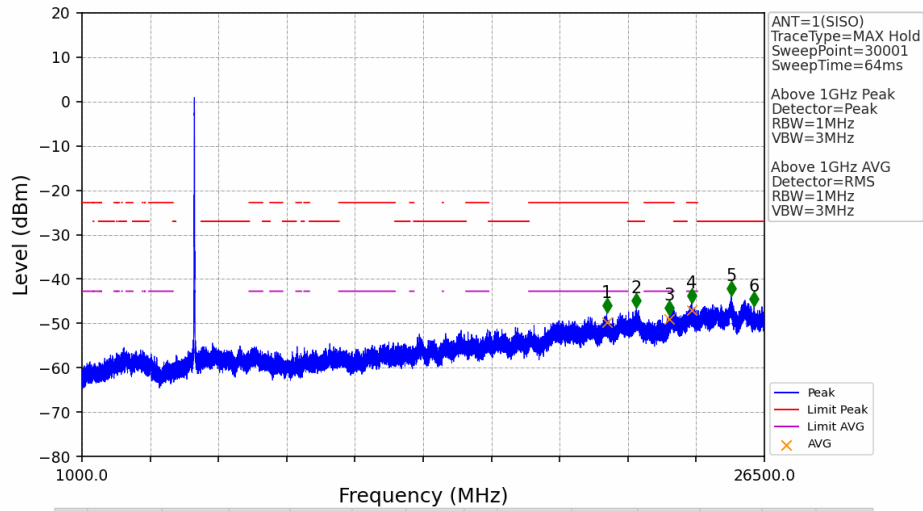
Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	Level of Unwanted Emissions (dBm)		Verdict
						Result	Limit	
802.11a	SISO	5180	/	/	1	Refer To Test Graph		Pass
		5200	/	/	1	Refer To Test Graph		Pass
		5240	/	/	1	Refer To Test Graph		Pass
802.11n (HT20)	SISO	5180	/	/	1	Refer To Test Graph		Pass
		5200	/	/	1	Refer To Test Graph		Pass
		5240	/	/	1	Refer To Test Graph		Pass
802.11n (HT40)	SISO	5190	/	/	1	Refer To Test Graph		Pass
		5230	/	/	1	Refer To Test Graph		Pass
802.11ac (VHT20)	SISO	5180	/	/	1	Refer To Test Graph		Pass
		5200	/	/	1	Refer To Test Graph		Pass
		5240	/	/	1	Refer To Test Graph		Pass
802.11ac (VHT40)	SISO	5190	/	/	1	Refer To Test Graph		Pass
		5230	/	/	1	Refer To Test Graph		Pass
802.11ac (VHT80)	SISO	5210	/	/	1	Refer To Test Graph		Pass
802.11ax (HEW20)	SISO	5180	SU	/	1	Refer To Test Graph		Pass
		5200	SU	/	1	Refer To Test Graph		Pass
		5240	SU	/	1	Refer To Test Graph		Pass
802.11ax (HEW40)	SISO	5190	SU	/	1	Refer To Test Graph		Pass
		5230	SU	/	1	Refer To Test Graph		Pass
802.11ax (HEW80)	SISO	5210	SU	/	1	Refer To Test Graph		Pass

5.2 Test Graph

5.2.1 RSE

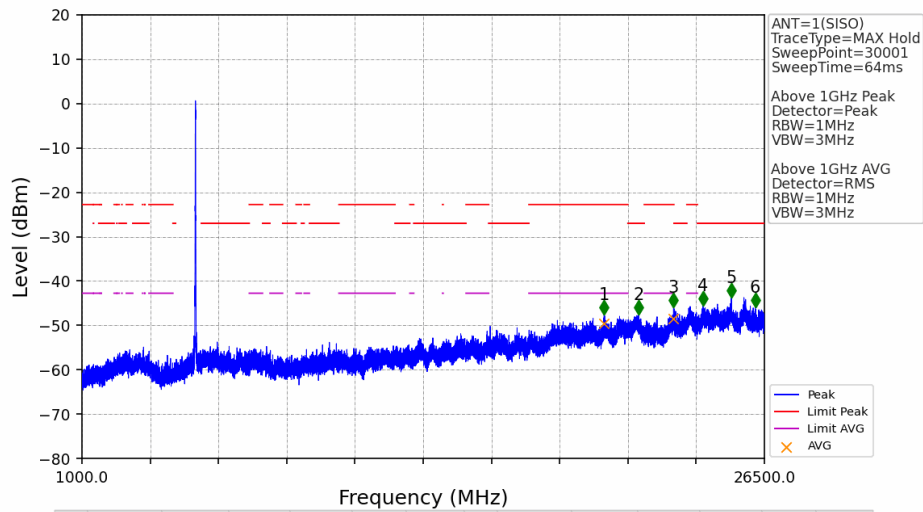


802.11a_MCH_5200MHz_Ant1_NTNV



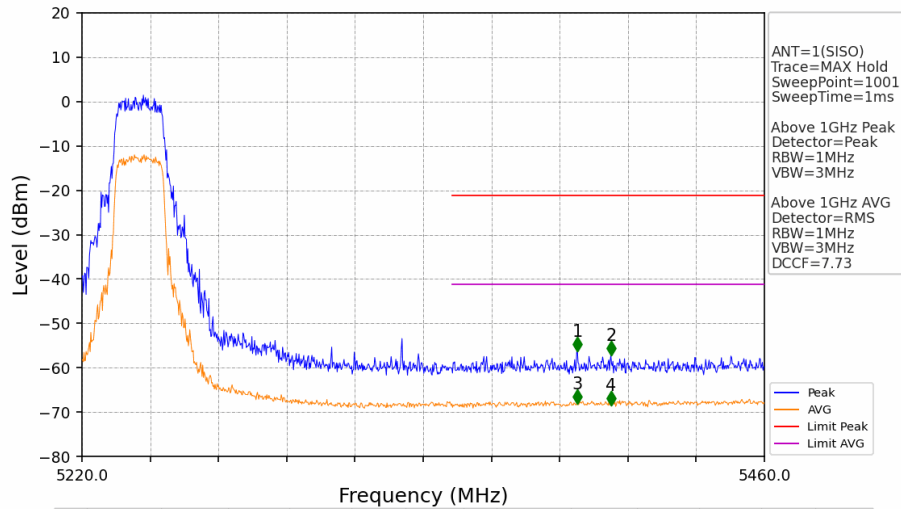
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	20607.8	-45.94	-21.20	24.74	Pass	Peak	7	20607.8	-48.25	-41.20	7.05	Pass	AVG
2	21717.05	-44.87	-27.00	17.87	Pass	Peak	8	21717.05	/	-27.00	/	/	AVG
3	22954.65	-46.47	-21.20	25.27	Pass	Peak	9	22954.65	-47.41	-41.20	6.21	Pass	AVG
4	23784.25	-43.74	-21.20	22.54	Pass	Peak	10	23784.25	-45.48	-41.20	4.28	Pass	AVG
5	25258.15	-42.09	-27.00	15.09	Pass	Peak	11	25258.15	/	-27.00	/	/	AVG
6	26114.1	-44.55	-27.00	17.55	Pass	Peak	12	26114.1	/	-27.00	/	/	AVG

802.11a_HCH_5240MHz_Ant1_NTNV

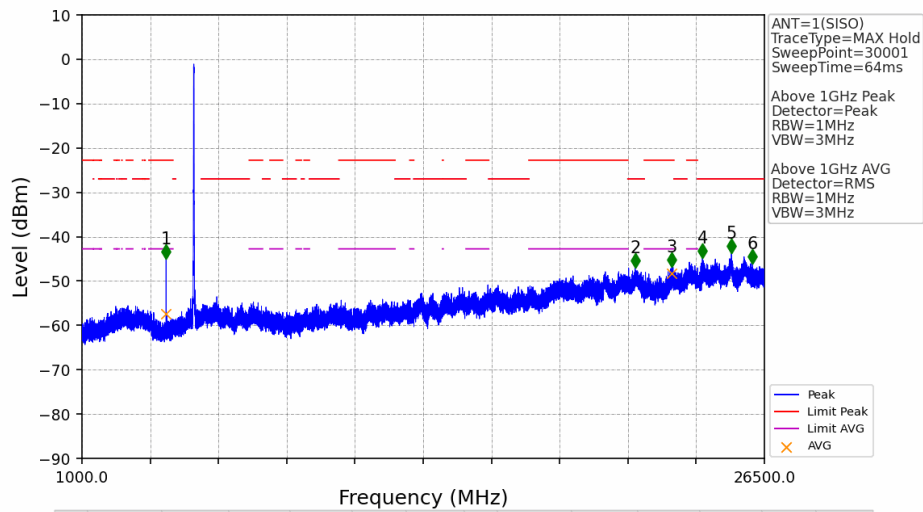


No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	20511.75	-45.90	-21.20	24.70	Pass	Peak	7	20511.75	-48.09	-41.20	6.89	Pass	AVG
2	21805.45	-45.89	-27.00	18.89	Pass	Peak	8	21805.45	/	-27.00	/	/	AVG
3	23106.8	-44.27	-21.20	23.07	Pass	Peak	9	23106.8	-46.85	-41.20	5.65	Pass	AVG
4	24205.85	-43.88	-27.00	16.88	Pass	Peak	10	24205.85	/	-27.00	/	/	AVG
5	25259.85	-42.17	-27.00	15.17	Pass	Peak	11	25259.85	/	-27.00	/	/	AVG
6	26155.75	-44.35	-27.00	17.36	Pass	Peak	12	26155.75	/	-27.00	/	/	AVG

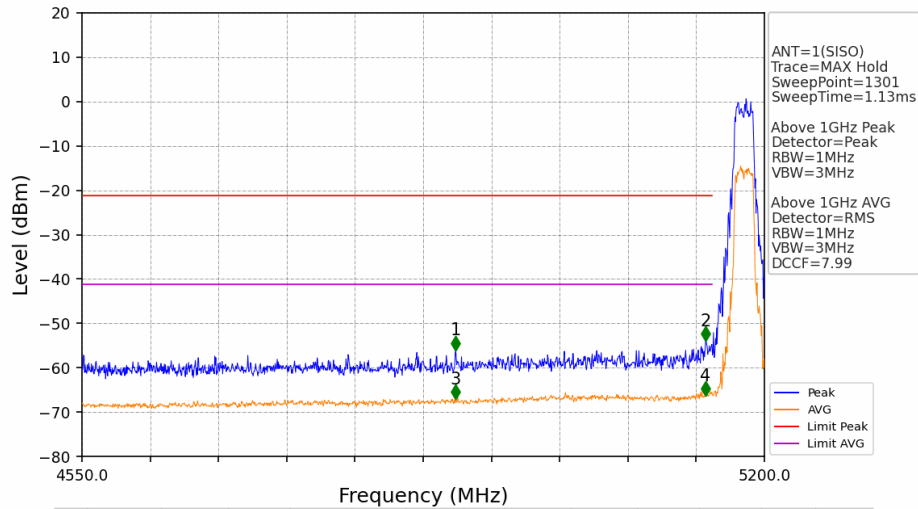
802.11a_HCH_5240MHz_Ant1_NTNV



802.11n(HT20)_LCH_5180MHz_Ant1_NTNV

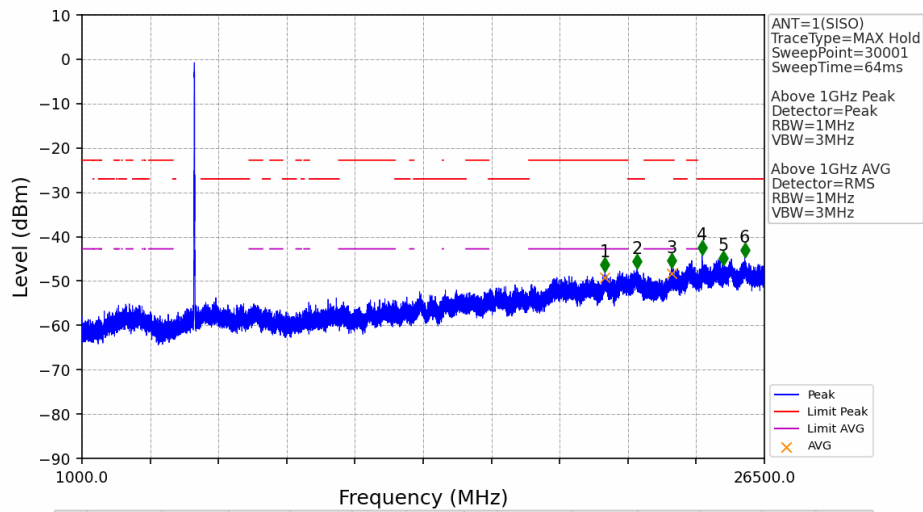


802.11n(HT20) LCH_5180MHz_Ant1_NTNV



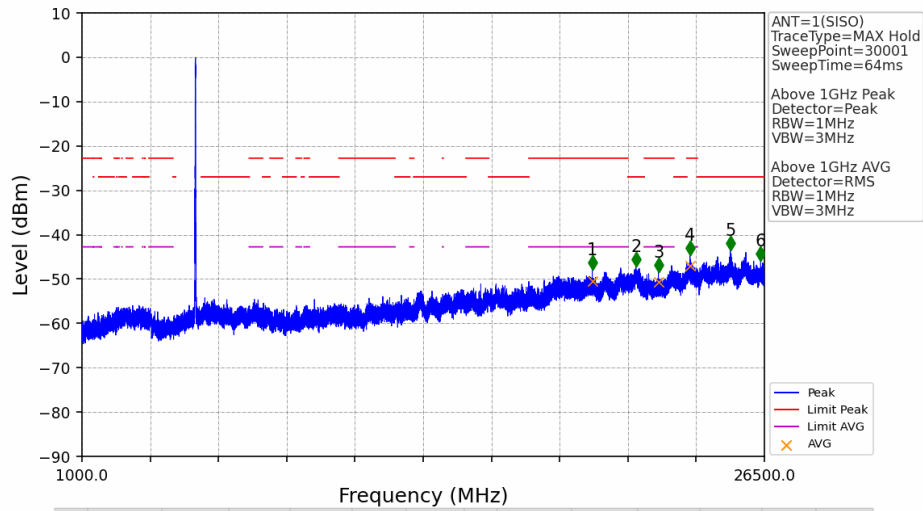
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	4906.000	-54.44	-21.20	33.24	Pass	Peak	3	4906.000	-67.03	-41.20	24.27	Pass	AVG
2	5144.000	-52.33	-21.20	31.13	Pass	Peak	4	5144.000	-66.32	-41.20	23.56	Pass	AVG

802.11n(HT20) MCH_5200MHz_Ant1_NTNV

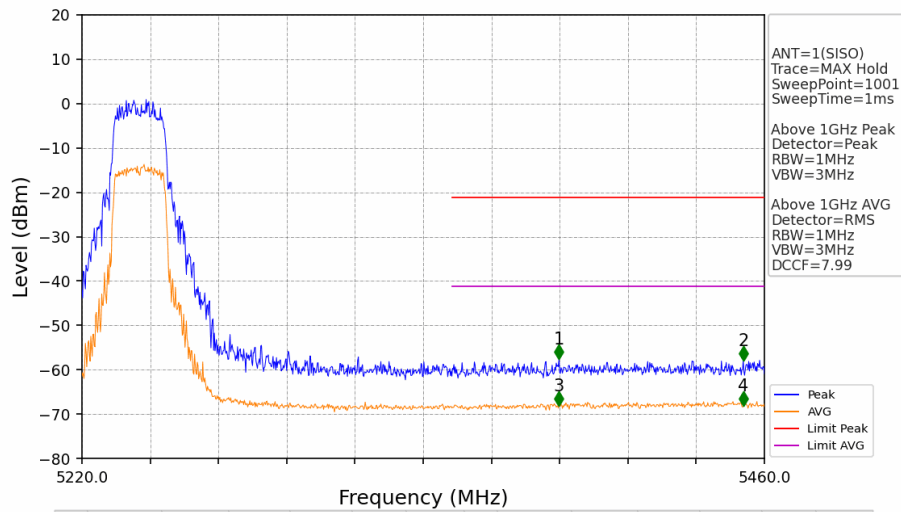


No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	20543.2	-46.38	-21.20	25.18	Pass	Peak	7	20543.2	-47.61	-41.20	6.41	Pass	AVG
2	21745.1	-45.57	-27.00	18.57	Pass	Peak	8	21745.1	/	-27.00	/	/	AVG
3	23033.7	-45.42	-21.20	24.22	Pass	Peak	9	23033.7	-46.64	-41.20	5.44	Pass	AVG
4	24172.7	-42.53	-27.00	15.53	Pass	Peak	10	24172.7	/	-27.00	/	/	AVG
5	24953	-44.91	-27.00	17.91	Pass	Peak	11	24953	/	-27.00	/	/	AVG
6	25763.9	-42.97	-27.00	15.97	Pass	Peak	12	25763.9	/	-27.00	/	/	AVG

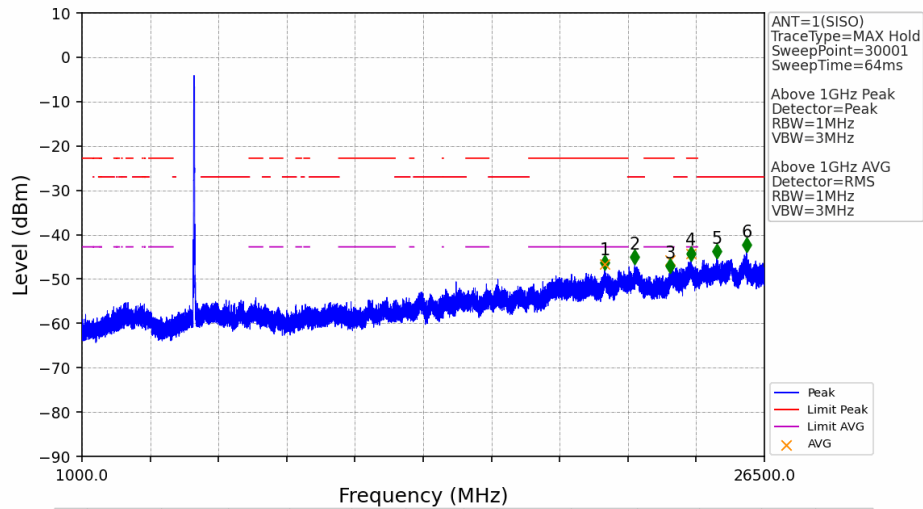
802.11n(HT20) HCH 5240MHz_Ant1_NTNV



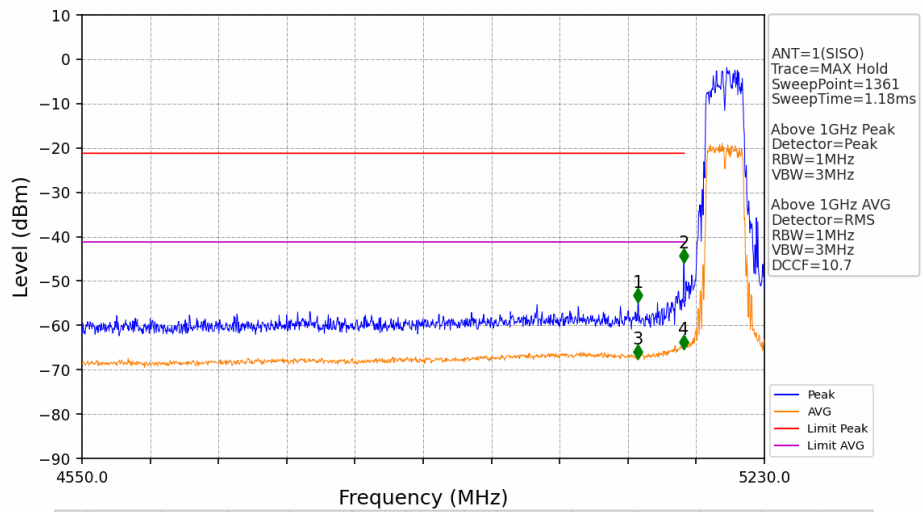
802.11n(HT20) HCH 5240MHz_Ant1_NTNV



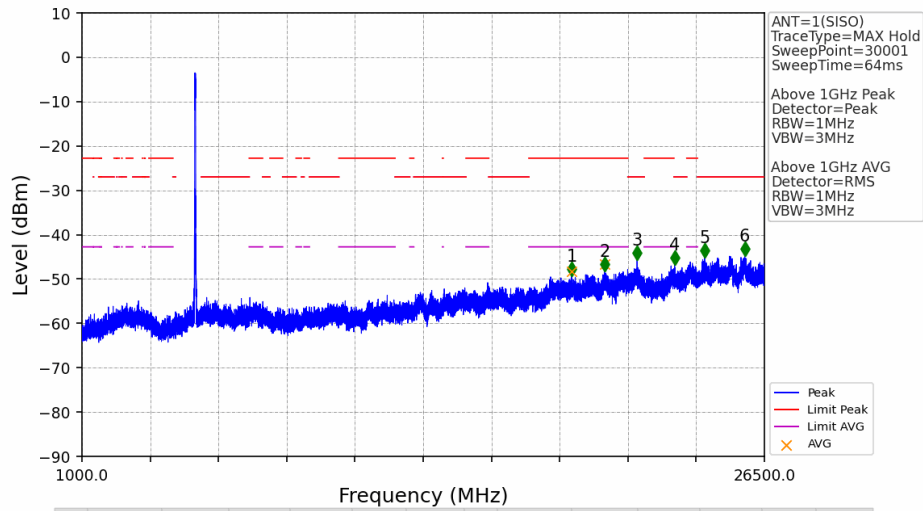
802.11n(HT40) LCH 5190MHz_Ant1_NTNV



802.11n(HT40) LCH 5190MHz_Ant1_NTNV

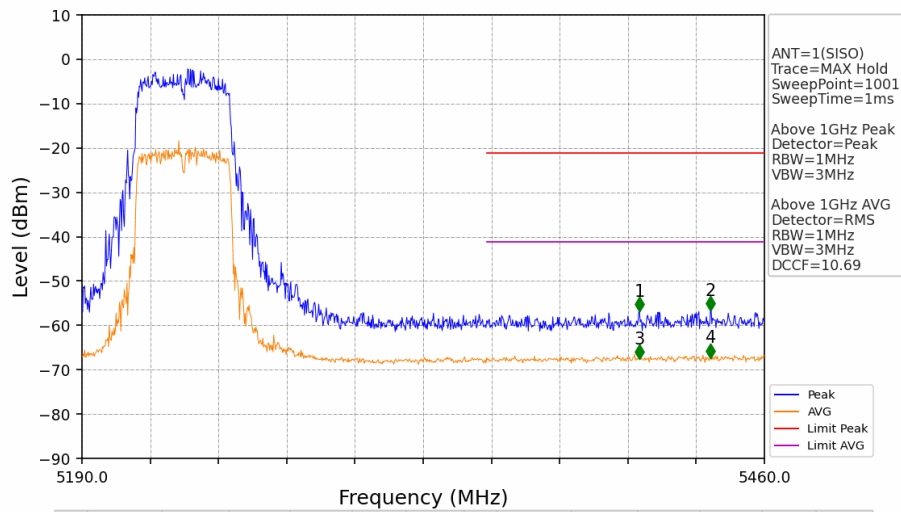


802.11n(HT40) HCH 5230MHz_Ant1_NTNV



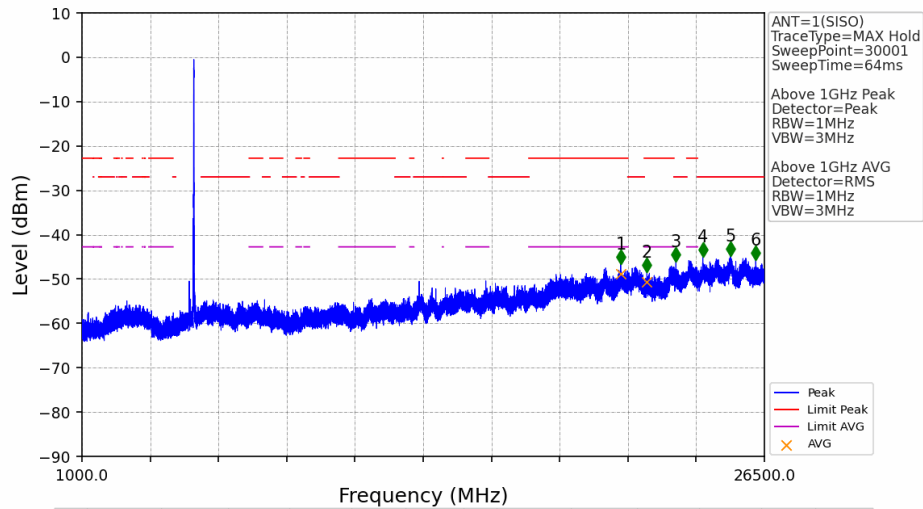
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	19296.25	-47.81	-21.20	26.61	Pass	Peak	7	19296.25	-46.77	-41.20	5.57	Pass	AVG
2	20522.8	-46.74	-21.20	25.54	Pass	Peak	8	20522.8	-45.02	-41.20	3.82	Pass	AVG
3	21741.7	-44.18	-27.00	17.18	Pass	Peak	9	21741.7	/	-27.00	/	/	AVG
4	23142.5	-45.26	-27.00	18.26	Pass	Peak	10	23142.5	/	-27.00	/	/	AVG
5	24266.2	-43.55	-27.00	16.55	Pass	Peak	11	24266.2	/	-27.00	/	/	AVG
6	25763.05	-43.23	-27.00	16.23	Pass	Peak	12	25763.05	/	-27.00	/	/	AVG

802.11n(HT40) HCH 5230MHz_Ant1_NTNV



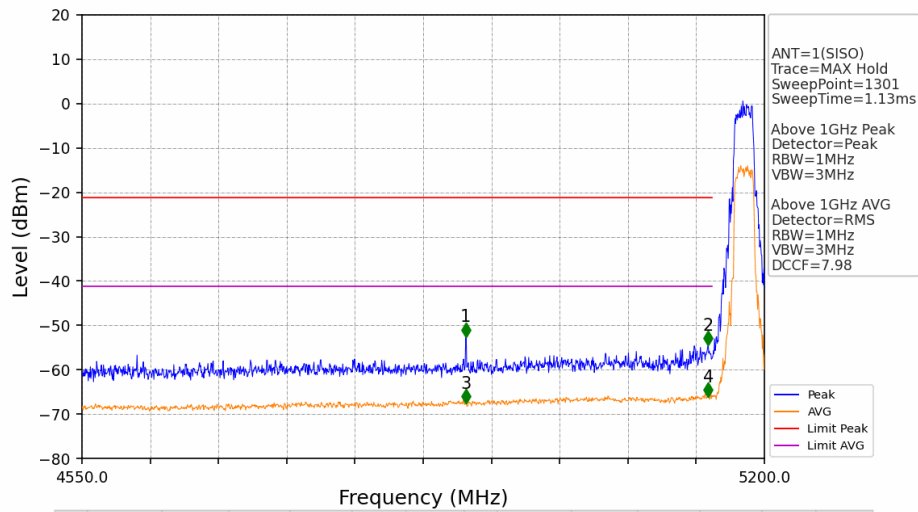
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5410.590	-55.32	-21.20	34.12	Pass	Peak	3	5410.590	-67.58	-41.20	24.82	Pass	AVG
2	5438.670	-54.99	-21.20	33.79	Pass	Peak	4	5438.670	-67.27	-41.20	24.51	Pass	AVG

802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



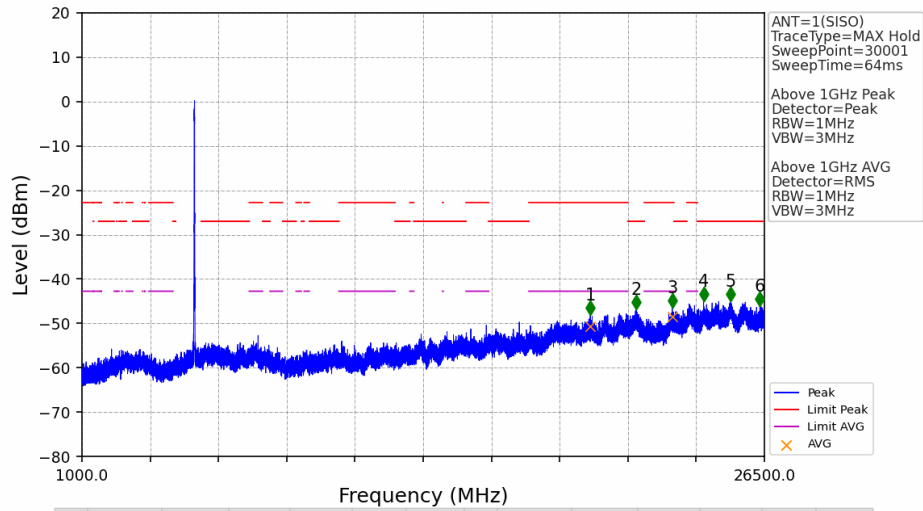
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	21129.7	-45.04	-21.20	23.84	Pass	Peak	7	21129.7	-47.32	-41.20	6.12	Pass	AVG
2	22109.75	-46.82	-21.20	25.62	Pass	Peak	8	22109.75	-49.16	-41.20	7.96	Pass	AVG
3	23193.5	-44.47	-27.00	17.46	Pass	Peak	9	23193.5	/	-27.00	/	/	AVG
4	24199.9	-43.33	-27.00	16.33	Pass	Peak	10	24199.9	/	-27.00	/	/	AVG
5	25230.1	-43.20	-27.00	16.20	Pass	Peak	11	25230.1	/	-27.00	/	/	AVG
6	26176.15	-44.07	-27.00	17.07	Pass	Peak	12	26176.15	/	-27.00	/	/	AVG

802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



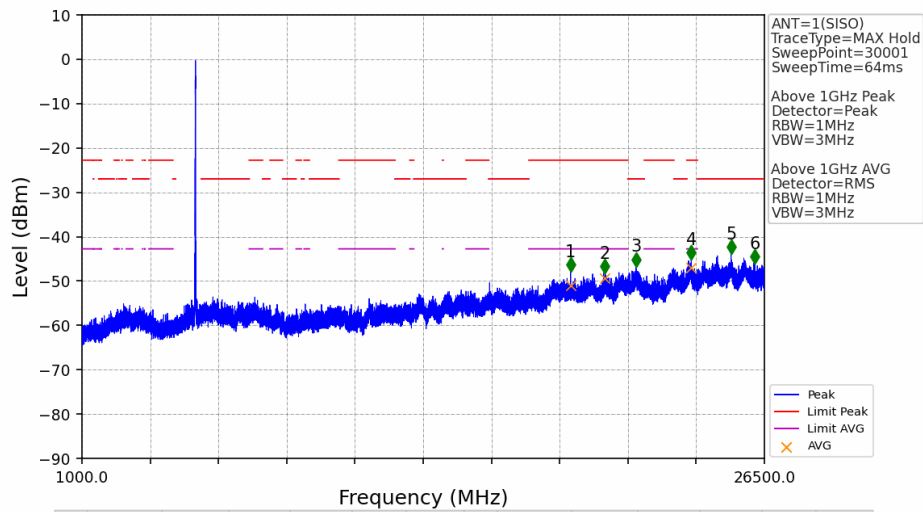
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	4915.500	-50.97	-21.20	29.77	Pass	Peak	3	4915.500	-67.60	-41.20	24.84	Pass	AVG
2	5146.500	-52.93	-21.20	31.73	Pass	Peak	4	5146.500	-66.05	-41.20	23.29	Pass	AVG

802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



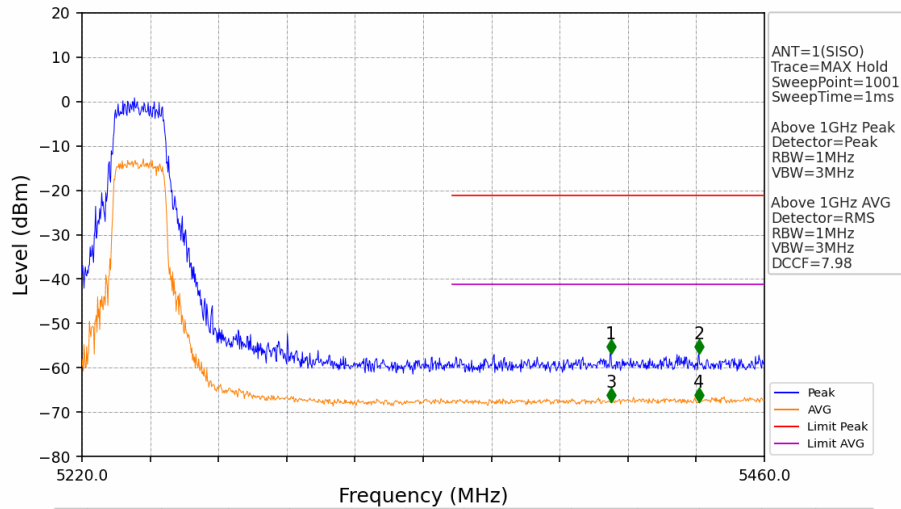
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	19995.8	-46.51	-21.20	25.31	Pass	Peak	7	19995.8	-49.11	-41.20	7.91	Pass	AVG
2	21714.5	-45.28	-27.00	18.28	Pass	Peak	8	21714.5	/	-27.00	/	/	AVG
3	23056.65	-44.87	-21.20	23.67	Pass	Peak	9	23056.65	-46.86	-41.20	5.66	Pass	AVG
4	24226.25	-43.40	-27.00	16.39	Pass	Peak	10	24226.25	/	-27.00	/	/	AVG
5	25247.1	-43.37	-27.00	16.37	Pass	Peak	11	25247.1	/	-27.00	/	/	AVG
6	26331.7	-44.54	-27.00	17.54	Pass	Peak	12	26331.7	/	-27.00	/	/	AVG

802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



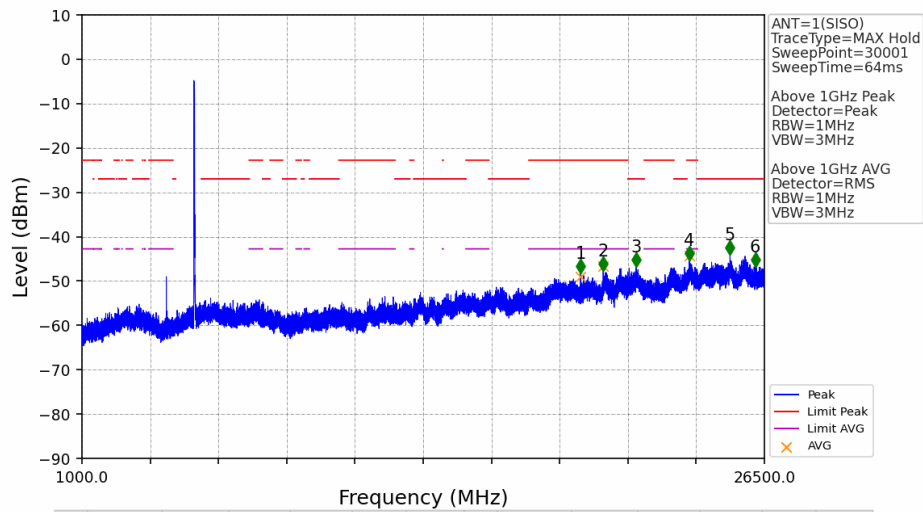
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	19257.15	-46.34	-21.20	25.14	Pass	Peak	7	19257.15	-49.50	-41.20	8.30	Pass	AVG
2	20545.75	-46.59	-21.20	25.39	Pass	Peak	8	20545.75	-47.75	-41.20	6.55	Pass	AVG
3	21697.5	-45.12	-27.00	18.12	Pass	Peak	9	21697.5	/	-27.00	/	/	AVG
4	23767.25	-43.61	-21.20	22.41	Pass	Peak	10	23767.25	-45.39	-41.20	4.19	Pass	AVG
5	25253.9	-42.34	-27.00	15.34	Pass	Peak	11	25253.9	/	-27.00	/	/	AVG
6	26137.05	-44.44	-27.00	17.44	Pass	Peak	12	26137.05	/	-27.00	/	/	AVG

802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



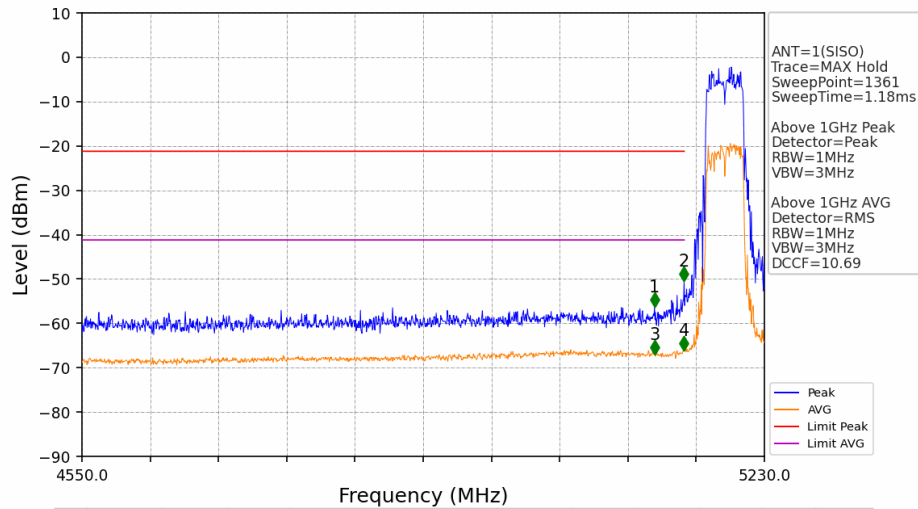
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark
1	5406.000	-55.18	-21.20	33.98	Pass Peak	3	5406.000	-67.81	-41.20	25.05	Pass AVG
2	5436.960	-55.33	-21.20	34.13	Pass Peak	4	5436.960	-67.80	-41.20	25.04	Pass AVG

802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



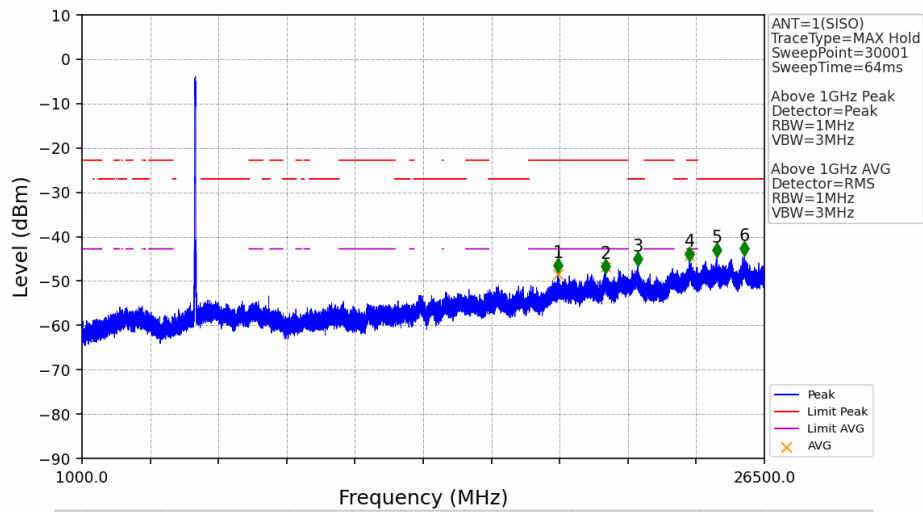
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark
1	19631.15	-46.70	-21.20	25.50	Pass Peak	7	19631.15	-47.45	-41.20	6.25	Pass AVG
2	20476.9	-46.13	-21.20	24.93	Pass Peak	8	20476.9	-45.04	-41.20	3.84	Pass AVG
3	21705.15	-45.16	-27.00	18.16	Pass Peak	9	21705.15	/	-27.00	/	/ AVG
4	23697.55	-43.78	-21.20	22.58	Pass Peak	10	23697.55	-42.65	-41.20	1.45	Pass AVG
5	25215.65	-42.51	-27.00	15.51	Pass Peak	11	25215.65	/	-27.00	/	/ AVG
6	26155.75	-45.21	-27.00	18.21	Pass Peak	12	26155.75	/	-27.00	/	/ AVG

802.11ac(VHT40) LCH_5190MHz_Ant1_NTNV



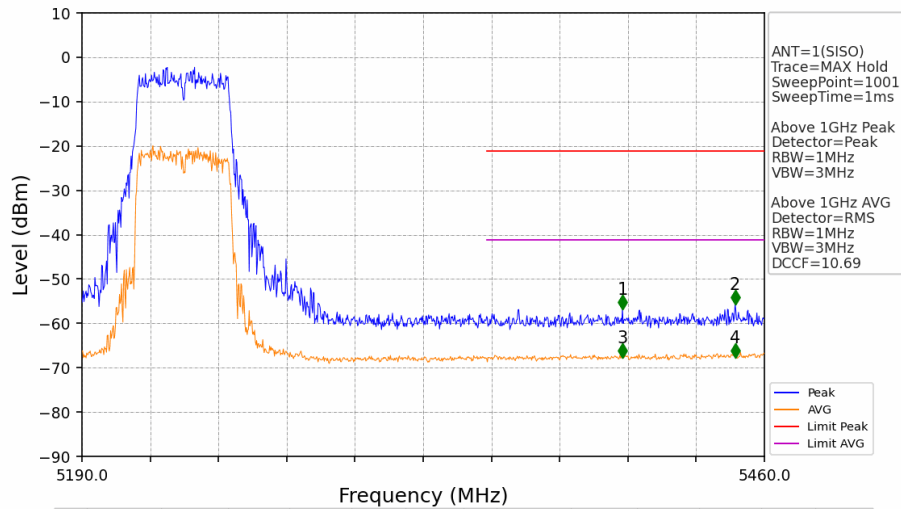
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5120.500	-54.72	-21.20	33.52	Pass	Peak	3	5120.500	-66.94	-41.20	24.18	Pass	AVG
2	5150.000	-48.90	-21.20	27.70	Pass	Peak	4	5150.000	-66.16	-41.20	23.40	Pass	AVG

802.11ac(VHT40) HCH_5230MHz_Ant1_NTNV



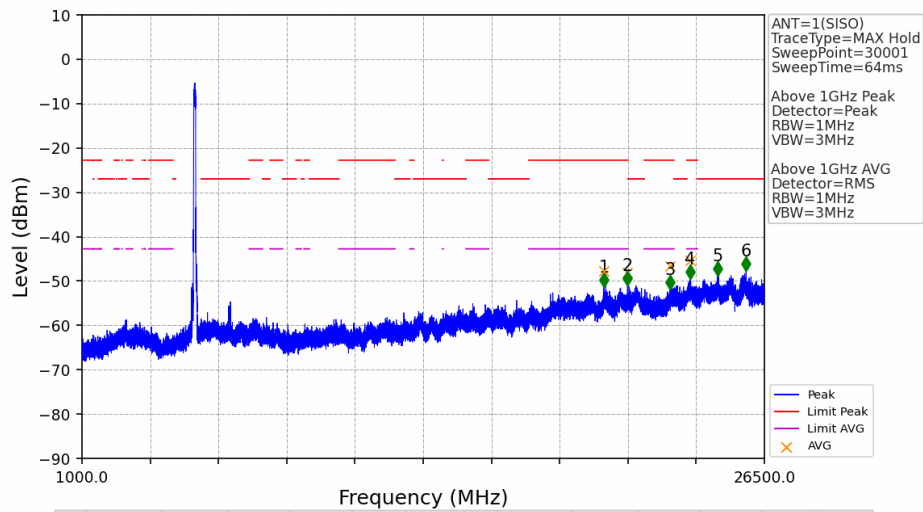
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	18782	-46.49	-21.20	25.29	Pass	Peak	7	18782	-46.93	-41.20	5.73	Pass	AVG
2	20568.7	-46.60	-21.20	25.40	Pass	Peak	8	20568.7	-45.20	-41.20	4.00	Pass	AVG
3	21768.05	-44.96	-27.00	17.96	Pass	Peak	9	21768.05	/	-27.00	/	/	AVG
4	23700.95	-43.98	-21.20	22.78	Pass	Peak	10	23700.95	-42.68	-41.20	1.48	Pass	AVG
5	24731.15	-42.97	-27.00	15.97	Pass	Peak	11	24731.15	/	-27.00	/	/	AVG
6	25754.55	-42.73	-27.00	15.73	Pass	Peak	12	25754.55	/	-27.00	/	/	AVG

802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



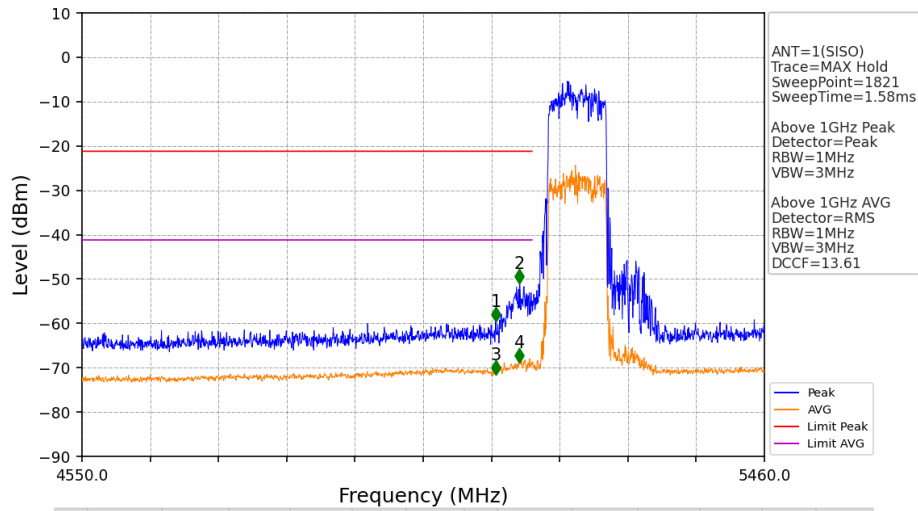
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark
1	5403.840	-55.20	-21.20	34.00	Pass Peak	3	5403.840	-67.71	-41.20	24.95	Pass AVG
2	5448.390	-54.18	-21.20	32.98	Pass Peak	4	5448.390	-67.69	-41.20	24.93	Pass AVG

802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



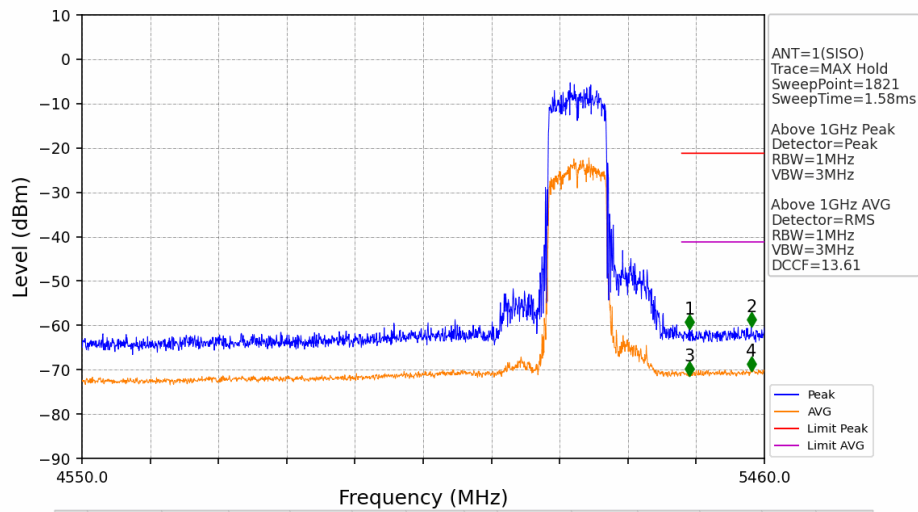
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark
1	20507.5	-49.70	-21.20	28.50	Pass Peak	7	20507.5	-46.16	-41.20	4.96	Pass AVG
2	21385.55	-49.44	-21.20	28.24	Pass Peak	8	21385.55	-46.55	-41.20	5.34	Pass AVG
3	22962.3	-50.31	-21.20	29.11	Pass Peak	9	22962.3	-45.16	-41.20	3.96	Pass AVG
4	23729.85	-47.89	-21.20	26.69	Pass Peak	10	23729.85	-43.76	-41.20	2.56	Pass AVG
5	24763.45	-47.18	-27.00	20.18	Pass Peak	11	24763.45	/	-27.00	/	/ AVG
6	25814.9	-46.05	-27.00	19.05	Pass Peak	12	25814.9	/	-27.00	/	/ AVG

802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



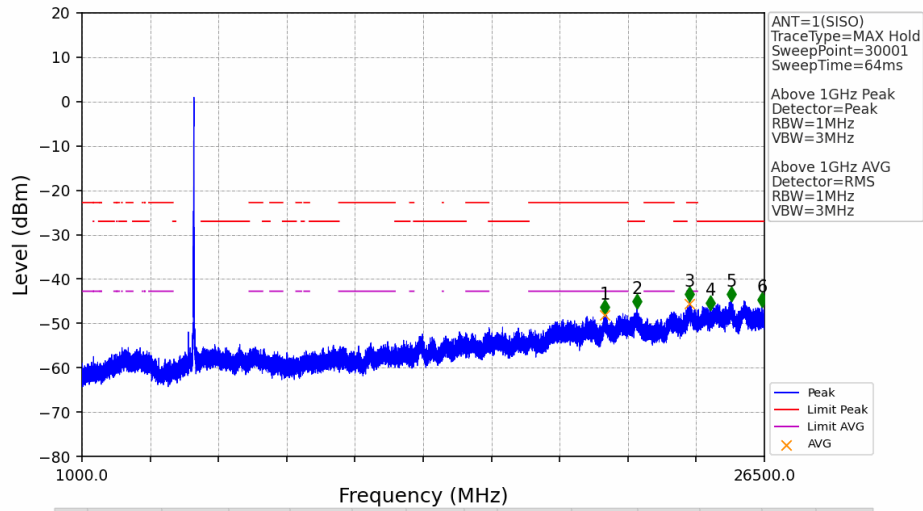
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5102.000	-57.98	-21.20	36.78	Pass	Peak	3	5102.000	-71.60	-41.20	28.84	Pass	AVG
2	5133.500	-49.37	-21.20	28.17	Pass	Peak	4	5133.500	-68.80	-41.20	26.04	Pass	AVG

802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



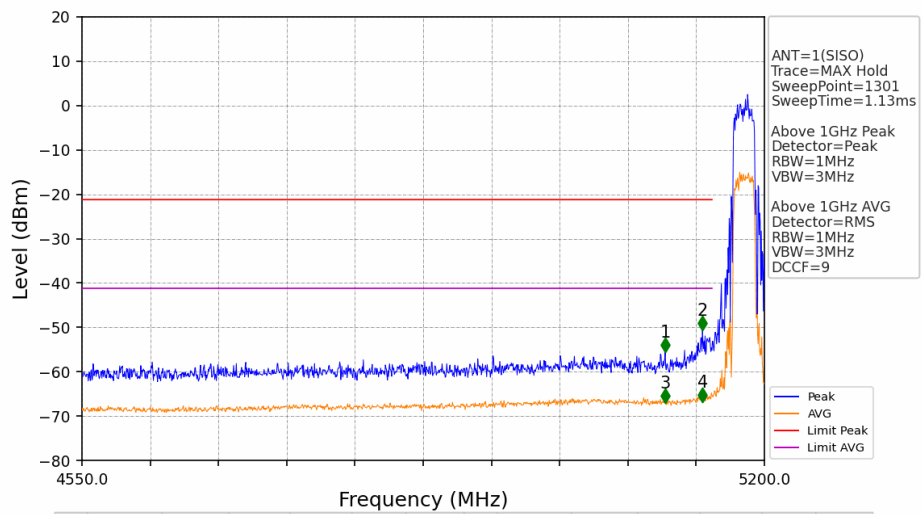
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5360.000	-59.16	-21.20	37.97	Pass	AVG	3	5360.000	-71.41	-41.20	28.65	Pass	AVG
2	5442.500	-58.74	-21.20	37.54	Pass	AVG	4	5442.500	-70.22	-41.20	27.46	Pass	AVG

802.11ax(HEW20)_LCH_5180MHz_SU_ / Ant1_NTNV



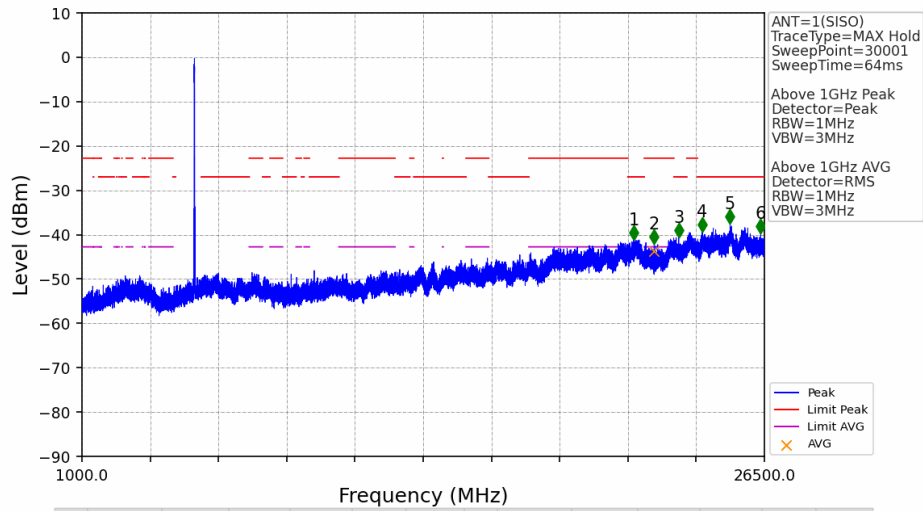
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	20531.3	-46.25	-21.20	25.05	Pass	Peak	7	20531.3	-46.57	-41.20	5.37	Pass	AVG
2	21737.45	-45.04	-27.00	18.04	Pass	Peak	8	21737.45	/	-27.00	/	/	AVG
3	23703.5	-43.39	-21.20	22.19	Pass	Peak	9	23703.5	-44.02	-41.20	2.82	Pass	AVG
4	24488.05	-45.39	-27.00	18.39	Pass	Peak	10	24488.05	/	-27.00	/	/	AVG
5	25261.55	-43.33	-27.00	16.33	Pass	Peak	11	25261.55	/	-27.00	/	/	AVG
6	26403.1	-44.74	-27.00	17.74	Pass	Peak	12	26403.1	/	-27.00	/	/	AVG

802.11ax(HEW20)_LCH_5180MHz_SU_ / Ant1_NTNV



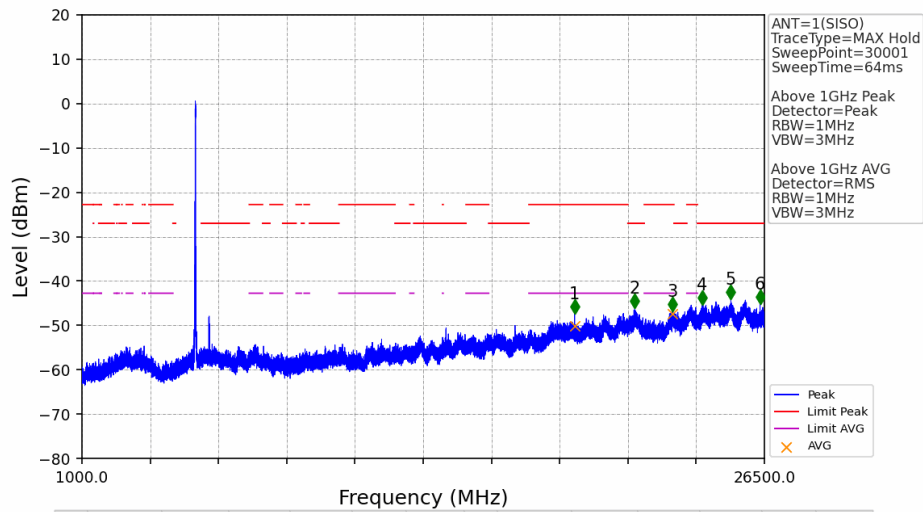
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5105.500	-53.97	-21.20	32.77	Pass	Peak	3	5105.500	-66.99	-41.20	24.23	Pass	AVG
2	5141.000	-49.12	-21.20	27.92	Pass	Peak	4	5141.000	-66.82	-41.20	24.06	Pass	AVG

802.11ax(HEW20)_MCH_5200MHz_SU / Ant1_NTNV



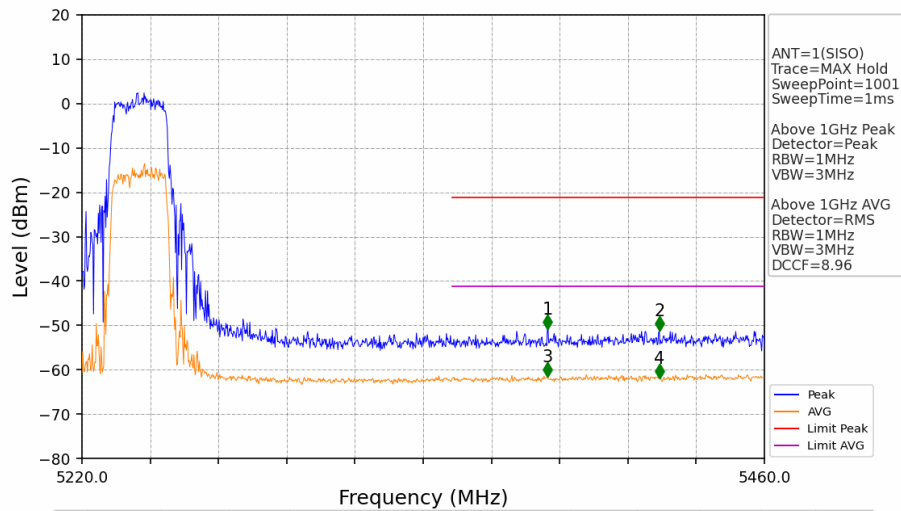
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	21615.9	-39.55	-27.00	12.55	Pass	Peak	7	21615.9	/	-27.00	/	/	AVG
2	22382.6	-40.43	-21.20	19.23	Pass	Peak	8	22382.6	-42.17	-41.20	0.97	Pass	AVG
3	23297.2	-38.95	-27.00	11.95	Pass	Peak	9	23297.2	/	-27.00	/	/	AVG
4	24176.1	-37.74	-27.00	10.74	Pass	Peak	10	24176.1	/	-27.00	/	/	AVG
5	25218.2	-35.85	-27.00	8.85	Pass	Peak	11	25218.2	/	-27.00	/	/	AVG
6	26360.6	-38.19	-27.00	11.19	Pass	Peak	12	26360.6	/	-27.00	/	/	AVG

802.11ax(HEW20)_HCH_5240MHz_SU / Ant1_NTNV



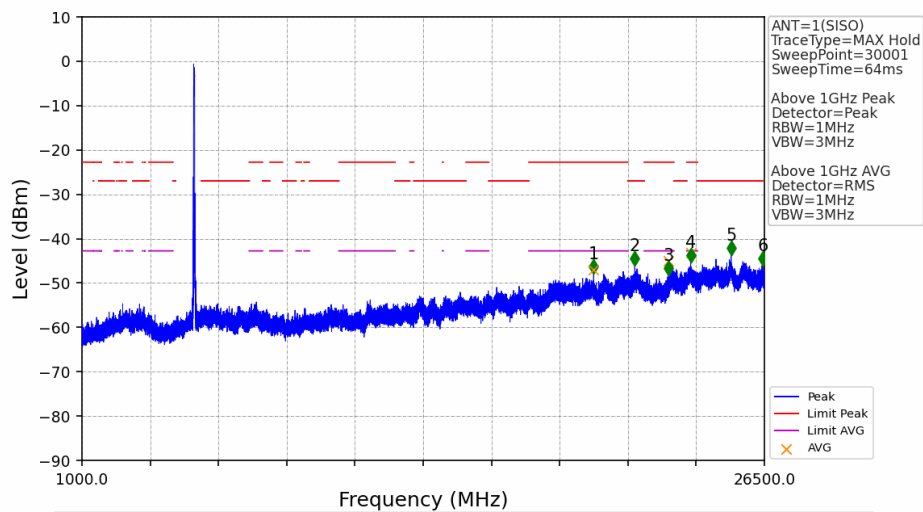
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	19406.75	-45.71	-21.20	24.51	Pass	Peak	7	19406.75	-48.56	-41.20	7.37	Pass	AVG
2	21660.1	-44.51	-27.00	17.51	Pass	Peak	8	21660.1	/	-27.00	/	/	AVG
3	23064.3	-45.24	-21.20	24.04	Pass	Peak	9	23064.3	-45.77	-41.20	4.57	Pass	AVG
4	24174.4	-43.86	-27.00	16.86	Pass	Peak	10	24174.4	/	-27.00	/	/	AVG
5	25247.95	-42.50	-27.00	15.50	Pass	Peak	11	25247.95	/	-27.00	/	/	AVG
6	26336.8	-43.62	-27.00	16.61	Pass	Peak	12	26336.8	/	-27.00	/	/	AVG

802.11ax(HEW20)_HCH_5240MHz_SU_ / Ant1_NTNV



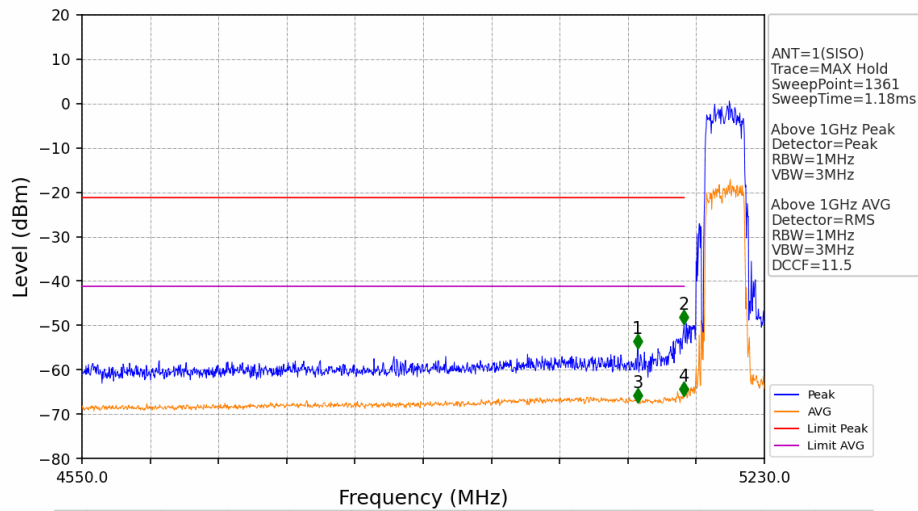
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark
1	5383.680	-49.18	-21.20	27.98	Pass Peak	3	5383.680	-61.62	-41.20	18.86	Pass AVG
2	5423.040	-49.67	-21.20	28.47	Pass Peak	4	5423.040	-61.87	-41.20	19.11	Pass AVG

802.11ax(HEW40)_LCH_5190MHz_SU_ / Ant1_NTNV



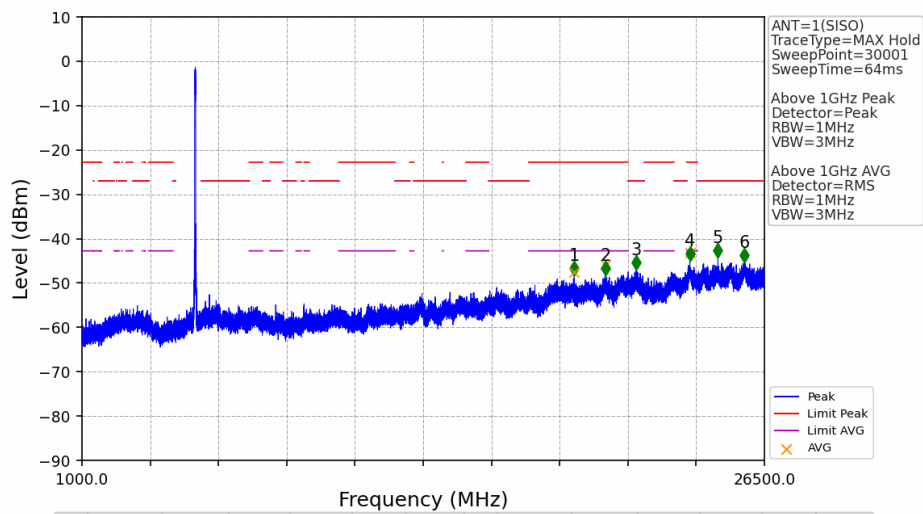
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark
1	20119.9	-46.24	-21.20	25.04	Pass Peak	7	20119.9	-45.45	-41.20	4.25	Pass AVG
2	21657.55	-44.42	-27.00	17.42	Pass Peak	8	21657.55	/	-27.00	/	Pass AVG
3	22919.8	-46.67	-21.20	25.47	Pass Peak	9	22919.8	-43.45	-41.20	2.25	Pass AVG
4	23745.15	-43.69	-21.20	22.49	Pass Peak	10	23745.15	-41.57	-41.20	0.37	Pass AVG
5	25255.6	-42.15	-27.00	15.15	Pass Peak	11	25255.6	/	-27.00	/	Pass AVG
6	26437.95	-44.43	-27.00	17.43	Pass Peak	12	26437.95	/	-27.00	/	Pass AVG

802.11ax(HEW40)_LCH_5190MHz_SU_ / Ant1_NTNV



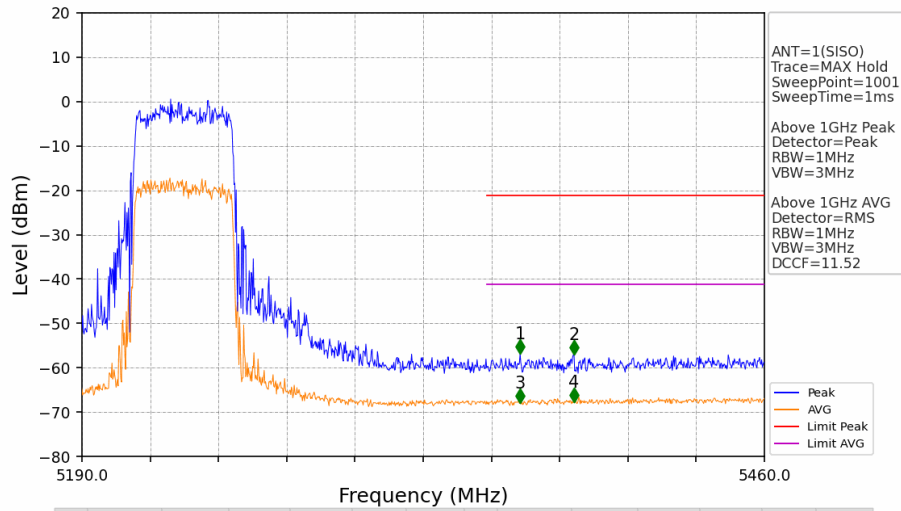
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark
1	5103.500	-53.54	-21.20	32.34	Pass Peak	3	5103.500	-67.33	-41.20	24.57	Pass AVG
2	5150.000	-48.16	-21.20	26.96	Pass Peak	4	5150.000	-65.86	-41.20	23.10	Pass AVG

802.11ax(HEW40)_HCH_5230MHz_SU_ / Ant1_NTNV

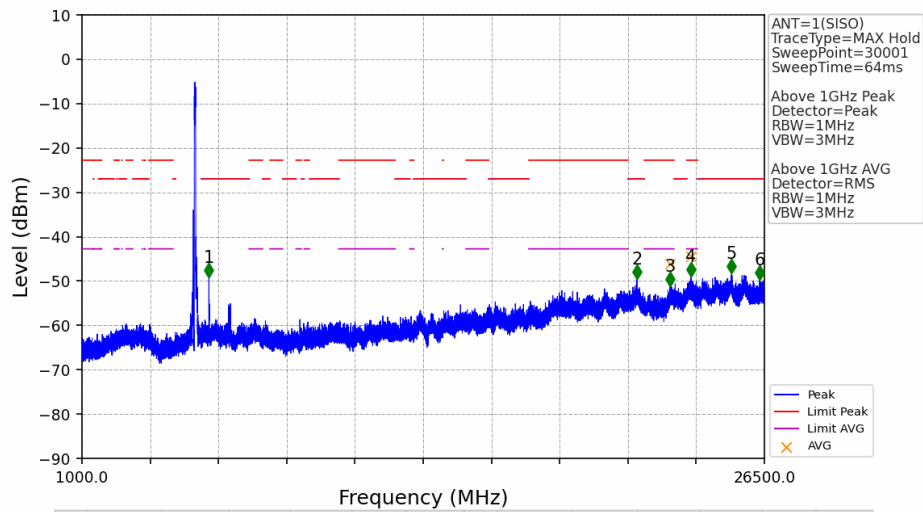


No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark
1	19395.7	-46.69	-21.20	25.49	Pass Peak	7	19395.7	-46.02	-41.20	4.82	Pass AVG
2	20550.85	-46.62	-21.20	25.42	Pass Peak	8	20550.85	-44.33	-41.20	3.13	Pass AVG
3	21703.45	-45.36	-27.00	18.36	Pass Peak	9	21703.45	/	-27.00	/	/ AVG
4	23716.25	-43.36	-21.20	22.16	Pass Peak	10	23716.25	-41.70	-41.20	0.50	Pass AVG
5	24764.3	-42.63	-27.00	15.63	Pass Peak	11	24764.3	/	-27.00	/	/ AVG
6	25759.65	-43.73	-27.00	16.73	Pass Peak	12	25759.65	/	-27.00	/	/ AVG

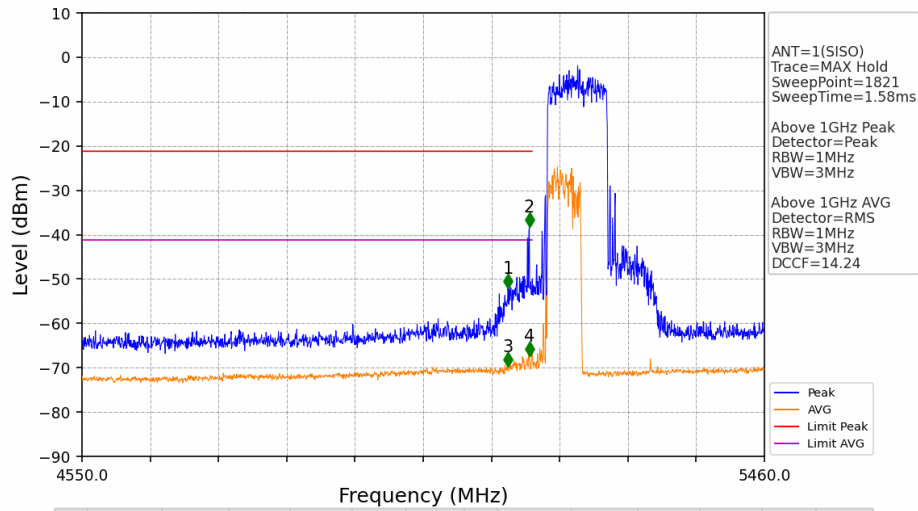
802.11ax(HEW40)_HCH_5230MHz_SU / Ant1_NTNV



802.11ax(HEW80)_MCH_5210MHz_SU / Ant1_NTNV

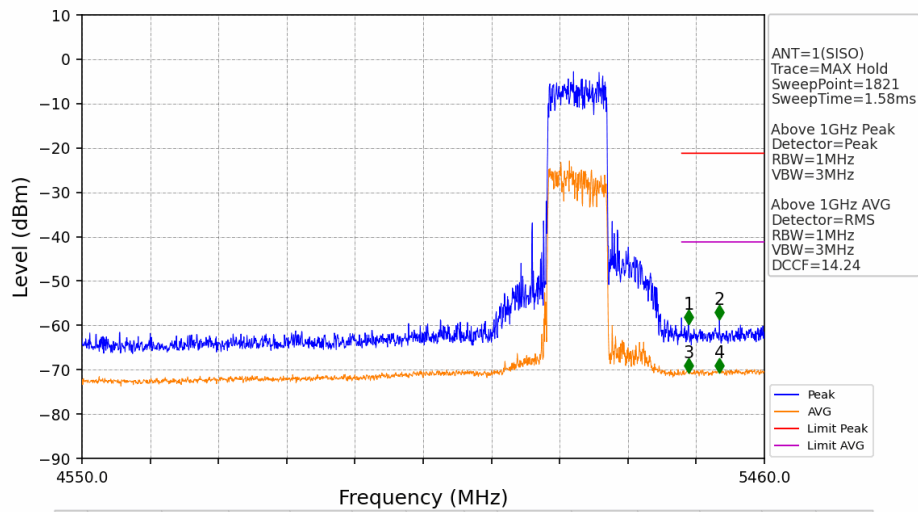


802.11ax(HEW80)_MCH_5210MHz_SU / Ant1_NTNV



No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5118.000	-50.51	-21.20	29.31	Pass	Peak	3	5118.000	-69.78	-41.20	27.02	Pass	AVG
2	5146.500	-36.71	-21.20	15.51	Pass	Peak	4	5146.500	-67.33	-41.20	24.57	Pass	AVG

802.11ax(HEW80)_MCH_5210MHz_SU / Ant1_NTNV



No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5359.000	-58.11	-21.20	36.91	Pass	AVG	3	5359.000	-70.66	-41.20	27.90	Pass	AVG
2	5400.000	-57.02	-21.20	35.82	Pass	AVG	4	5400.000	-70.62	-41.20	27.86	Pass	AVG

6. Frequency Stability

6.1 Test Result

6.1.1 Ant1

Ant1							
Mode	TX Type	Frequency (MHz)	Temperature (°C)	Voltage (VAC)	Measured Frequency (MHz)	Limit (MHz)	Verdict
Carrier Wave	SISO	5180	20	102	5179.957	5150 to 5250	Pass
				120	5179.957	5150 to 5250	Pass
				138	5179.957	5150 to 5250	Pass
			-30	120	5179.957	5150 to 5250	Pass
			-20	120	5179.957	5150 to 5250	Pass
			-10	120	5179.963	5150 to 5250	Pass
			0	120	5179.963	5150 to 5250	Pass
			10	120	5179.963	5150 to 5250	Pass
			30	120	5179.963	5150 to 5250	Pass
			40	120	5179.963	5150 to 5250	Pass
			50	120	5179.962	5150 to 5250	Pass
		5200	20	102	5199.962	5150 to 5250	Pass
				120	5199.962	5150 to 5250	Pass
				138	5199.962	5150 to 5250	Pass
			-30	120	5199.962	5150 to 5250	Pass
			-20	120	5199.962	5150 to 5250	Pass
			-10	120	5199.962	5150 to 5250	Pass
			0	120	5199.962	5150 to 5250	Pass
			10	120	5199.962	5150 to 5250	Pass
			30	120	5199.962	5150 to 5250	Pass
			40	120	5199.962	5150 to 5250	Pass
			50	120	5199.962	5150 to 5250	Pass
		5240	20	102	5239.962	5150 to 5250	Pass
				120	5239.962	5150 to 5250	Pass
				138	5239.962	5150 to 5250	Pass
			-30	120	5239.962	5150 to 5250	Pass
			-20	120	5239.962	5150 to 5250	Pass
			-10	120	5239.962	5150 to 5250	Pass
			0	120	5239.962	5150 to 5250	Pass
			10	120	5239.962	5150 to 5250	Pass
			30	120	5239.962	5150 to 5250	Pass
			40	120	5239.962	5150 to 5250	Pass
			50	120	5239.962	5150 to 5250	Pass
		5190	20	102	5189.962	5150 to 5250	Pass
				120	5189.962	5150 to 5250	Pass
				138	5189.962	5150 to 5250	Pass
			-30	120	5189.962	5150 to 5250	Pass
			-20	120	5189.962	5150 to 5250	Pass
			-10	120	5189.962	5150 to 5250	Pass
			0	120	5189.962	5150 to 5250	Pass
			10	120	5189.962	5150 to 5250	Pass
			30	120	5189.962	5150 to 5250	Pass
			40	120	5189.962	5150 to 5250	Pass
			50	120	5189.962	5150 to 5250	Pass
		5230	20	102	5229.962	5150 to 5250	Pass
				120	5229.962	5150 to 5250	Pass
				138	5229.962	5150 to 5250	Pass
			-30	120	5229.962	5150 to 5250	Pass

			-20	120	5229.962	5150 to 5250	Pass
			-10	120	5229.962	5150 to 5250	Pass
			0	120	5229.962	5150 to 5250	Pass
			10	120	5229.962	5150 to 5250	Pass
			30	120	5229.962	5150 to 5250	Pass
			40	120	5229.962	5150 to 5250	Pass
			50	120	5229.961	5150 to 5250	Pass
		5210	20	102	5209.961	5150 to 5250	Pass
				120	5209.961	5150 to 5250	Pass
				138	5209.960	5150 to 5250	Pass
			-30	120	5209.960	5150 to 5250	Pass
			-20	120	5209.960	5150 to 5250	Pass
			-10	120	5209.960	5150 to 5250	Pass
			0	120	5209.960	5150 to 5250	Pass
			10	120	5209.960	5150 to 5250	Pass
			30	120	5209.960	5150 to 5250	Pass
			40	120	5209.960	5150 to 5250	Pass
			50	120	5209.960	5150 to 5250	Pass

▶▶▶ END OF REPORT ◀◀◀

