

1. Duty Cycle

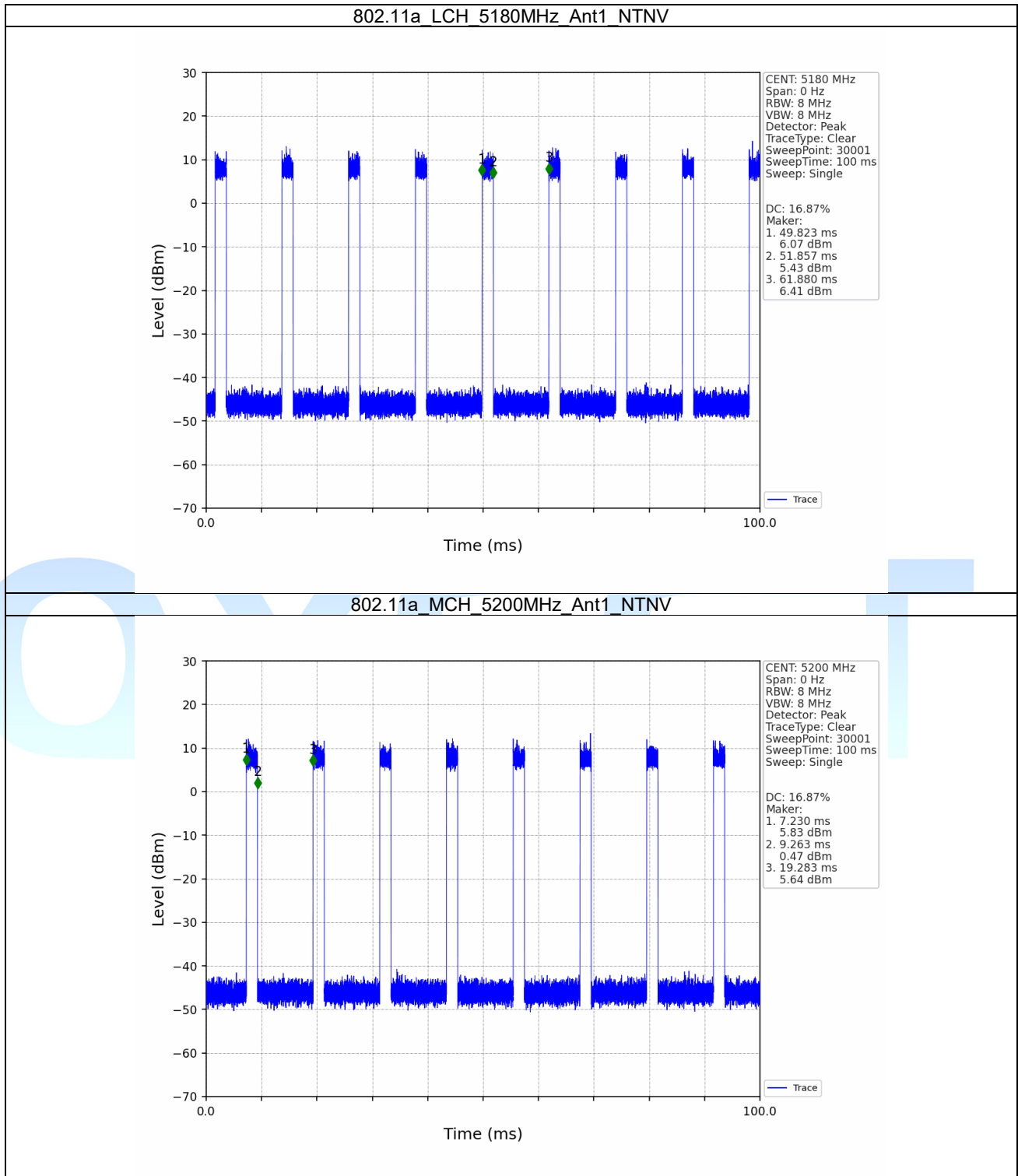
1.1 Test Result

1.1.1 Ant1

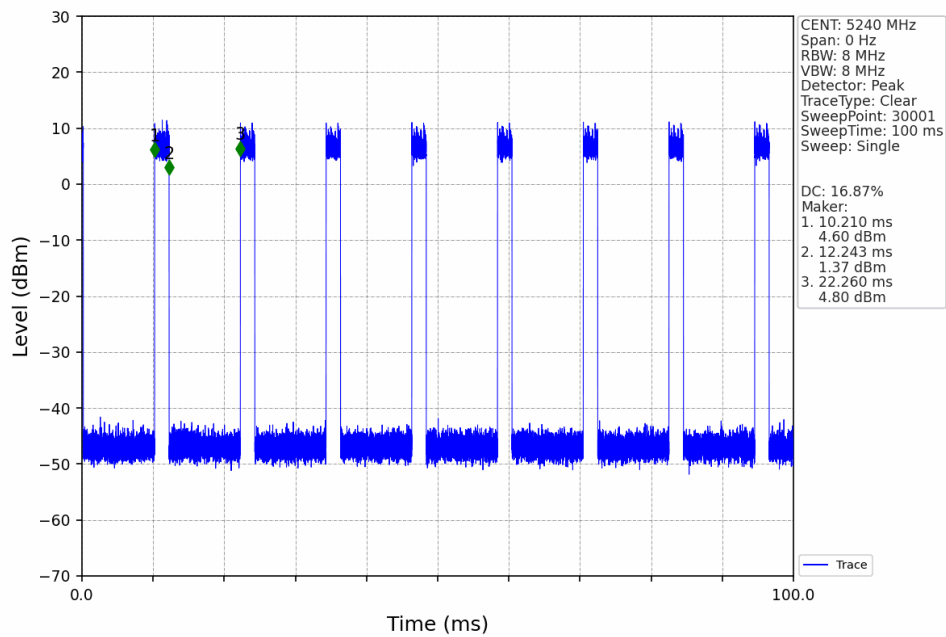
Ant1									
Mode	TX Type	Frequency (MHz)	RU	RU Pos	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11a	SISO	5180	/	/	2.034	12.057	16.87	7.73	0.03
		5200	/	/	2.033	12.053	16.87	7.73	0.03
		5240	/	/	2.033	12.050	16.87	7.73	0.03
802.11n (HT20)	SISO	5180	/	/	1.893	11.913	15.89	7.99	0.03
		5200	/	/	1.893	12.080	15.67	8.05	0.24
		5240	/	/	1.893	11.913	15.89	7.99	0.03
802.11n (HT40)	SISO	5190	/	/	0.933	10.953	8.52	10.70	0.03
		5230	/	/	0.933	10.956	8.52	10.70	0.00
802.11ac (VHT20)	SISO	5180	/	/	1.900	11.920	15.94	7.98	0.03
		5200	/	/	1.903	11.923	15.96	7.97	0.00
		5240	/	/	1.900	11.920	15.94	7.98	0.03
802.11ac (VHT40)	SISO	5190	/	/	0.937	10.960	8.55	10.68	0.03
		5230	/	/	0.937	10.957	8.55	10.68	0.03
802.11ac (VHT80)	SISO	5210	/	/	0.457	10.473	4.36	13.60	0.03
802.11ax (HEW20)	SISO	5180	SU	/	1.460	11.480	12.72	8.96	0.03
		5200	SU	/	1.460	11.484	12.71	8.96	0.03
		5240	SU	/	1.460	11.483	12.71	8.96	0.03
802.11ax (HEW40)	SISO	5190	SU	/	0.760	10.780	7.05	11.52	0.03
		5230	SU	/	0.760	10.777	7.05	11.52	0.03
802.11ax (HEW80)	SISO	5210	SU	/	0.394	10.414	3.78	14.22	0.03

1.2 Test Graph

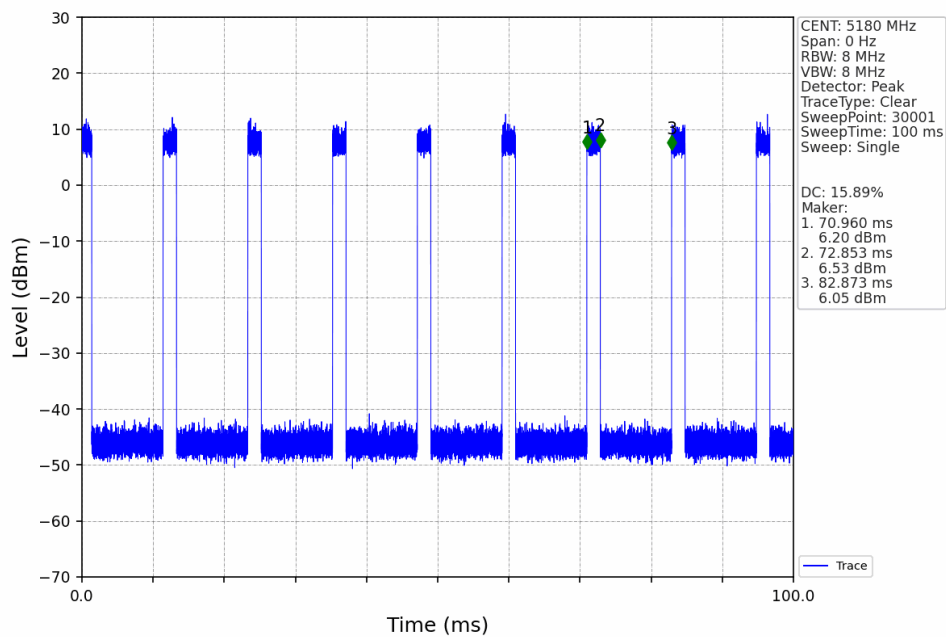
1.2.1 Ant1



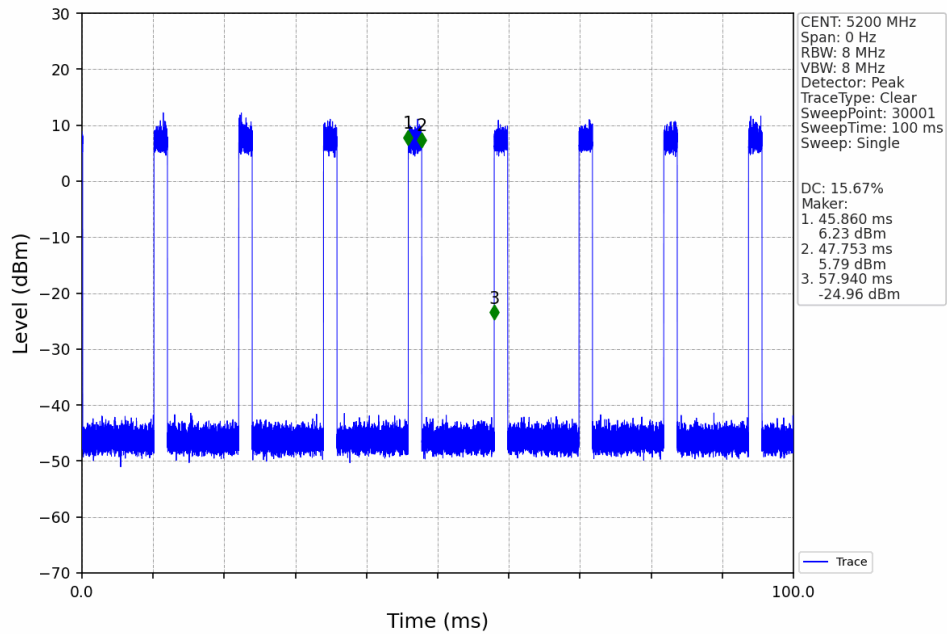
802.11a_HCH_5240MHz_Ant1_NTNV



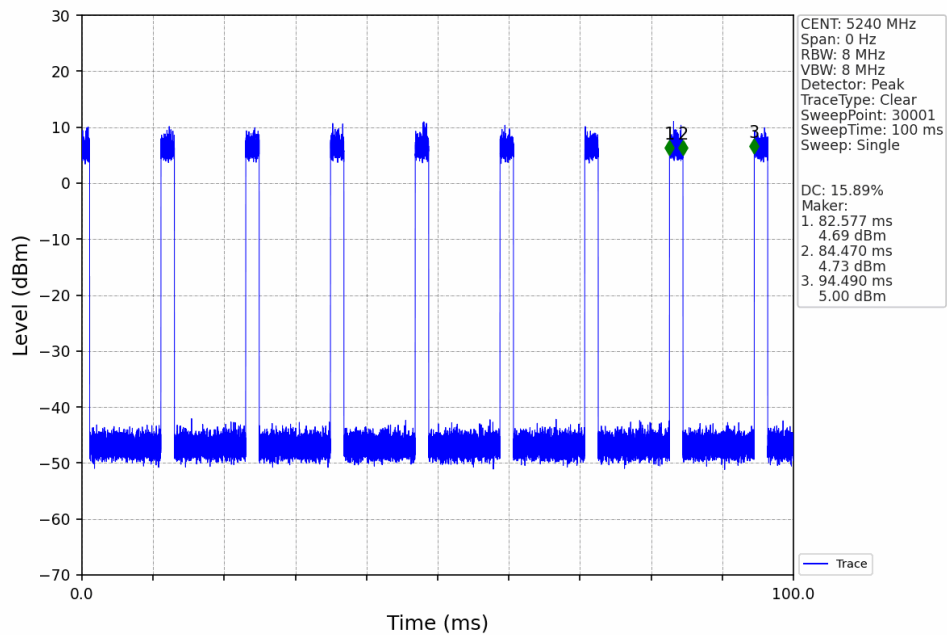
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



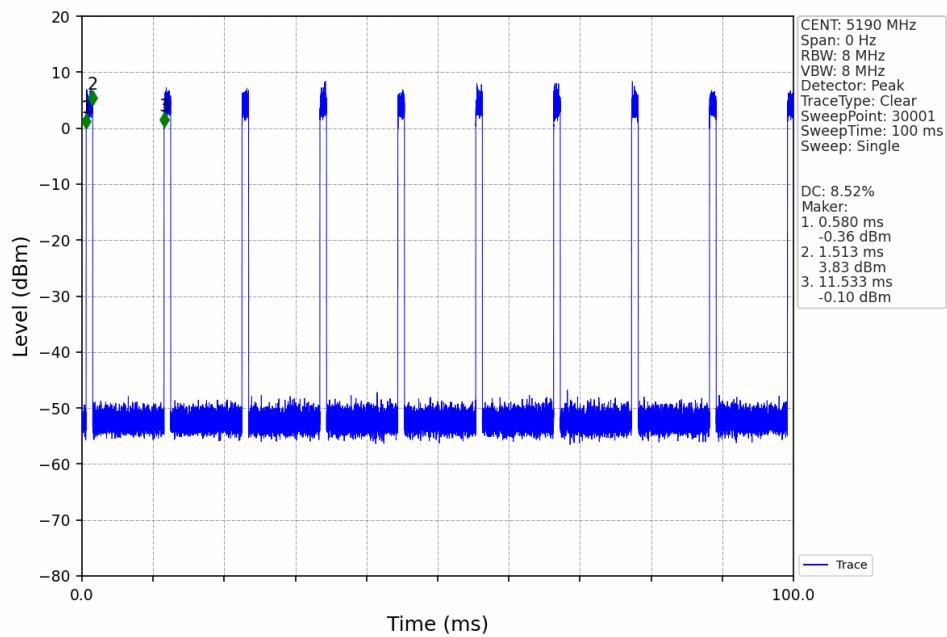
802.11n(HT20) MCH 5200MHz_Ant1_NTNV



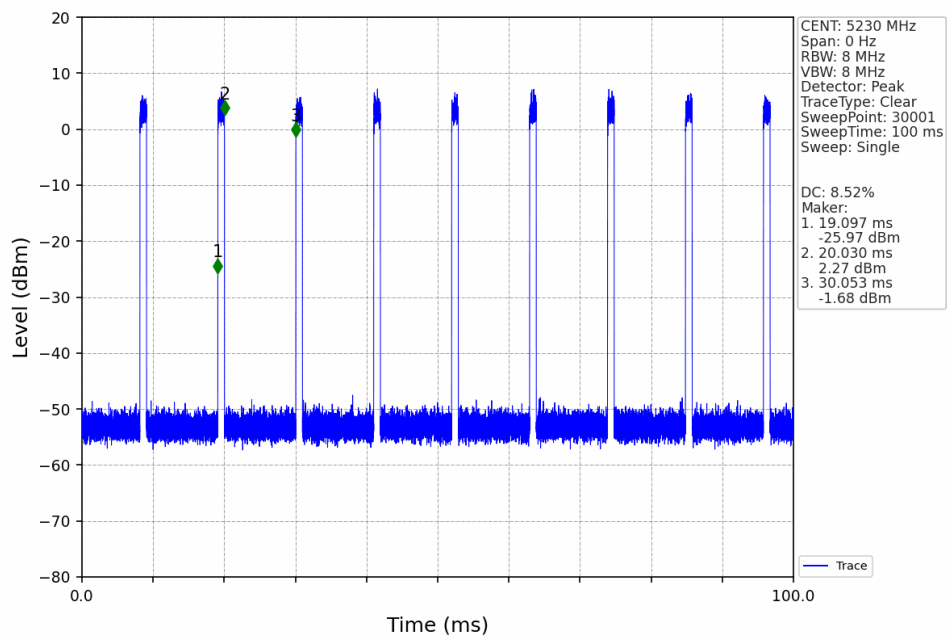
802.11n(HT20) HCH 5240MHz_Ant1_NTNV



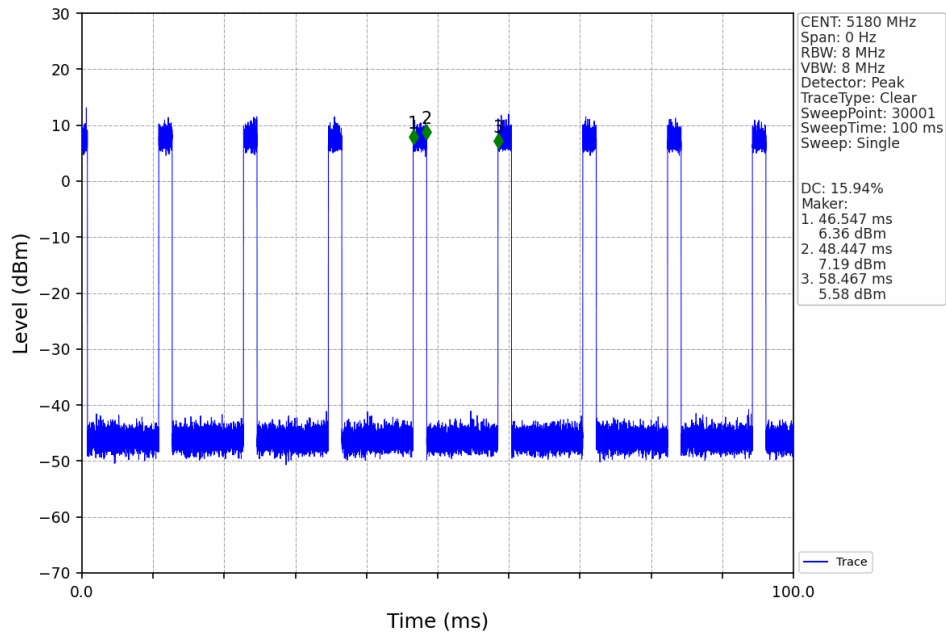
802.11n(HT40) LCH 5190MHz_Ant1_NTNV



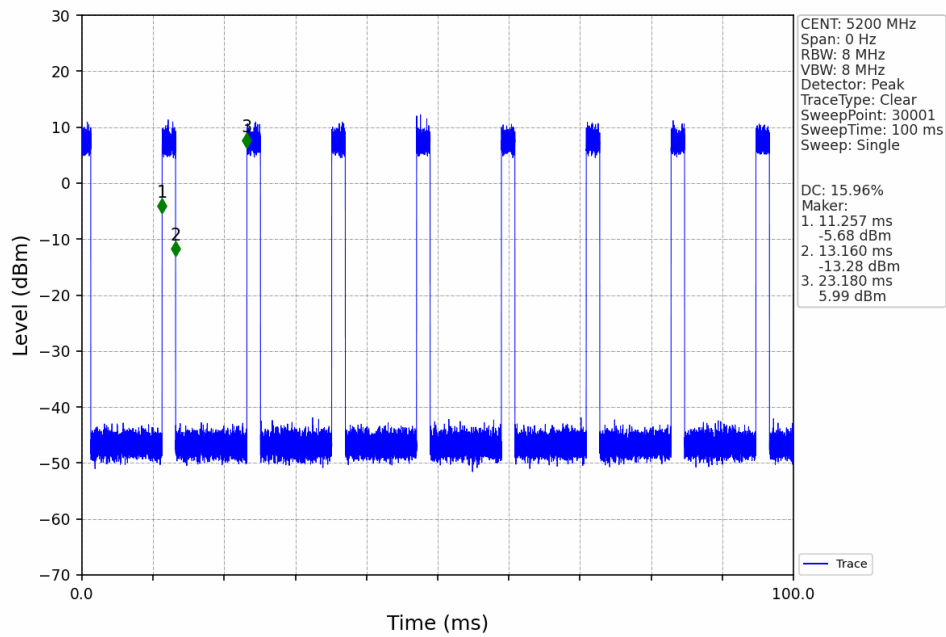
802.11n(HT40) HCH 5230MHz_Ant1_NTNV



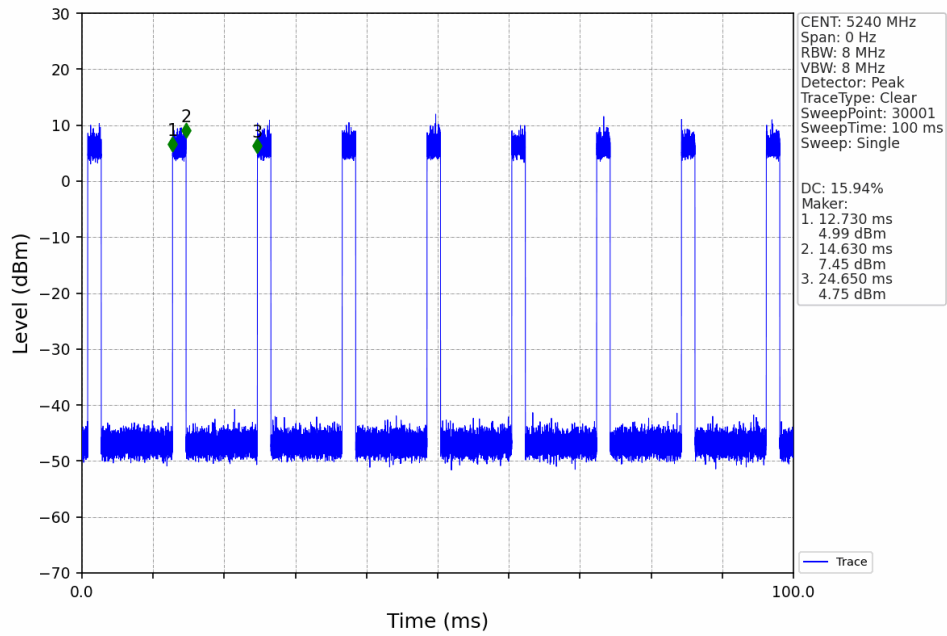
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



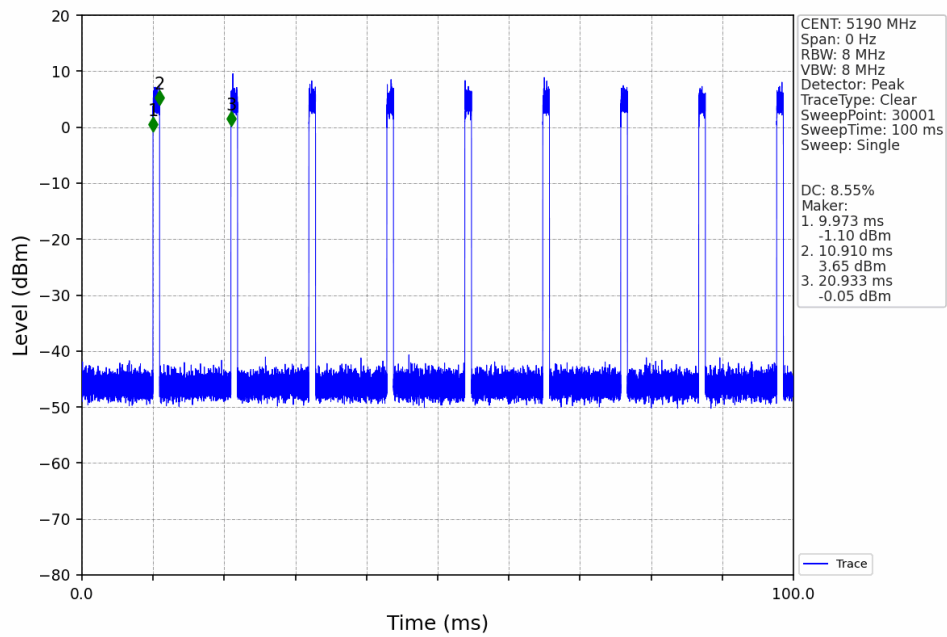
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



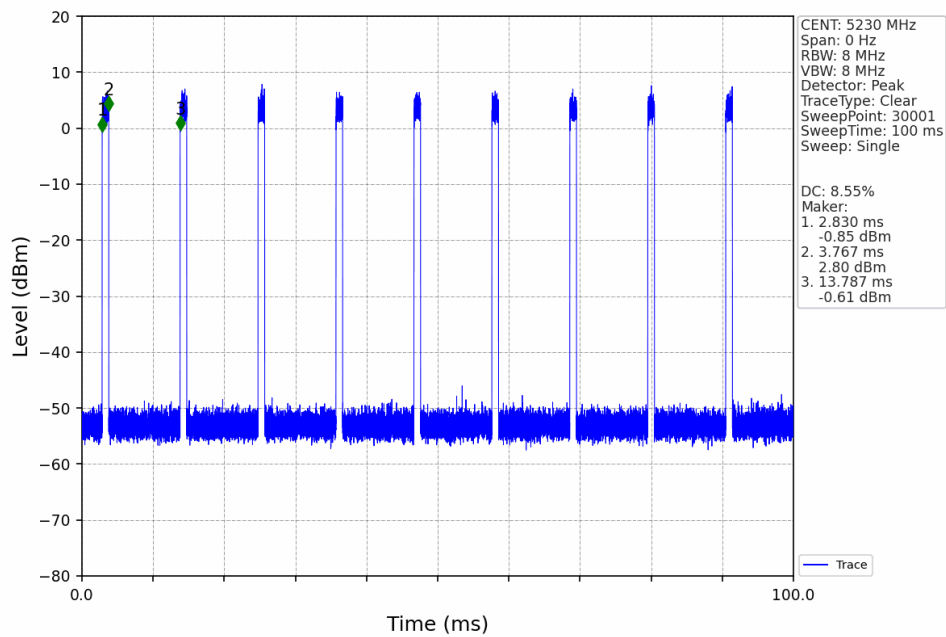
802.11ac(VHT20) HCH_5240MHz_Ant1_NTNV



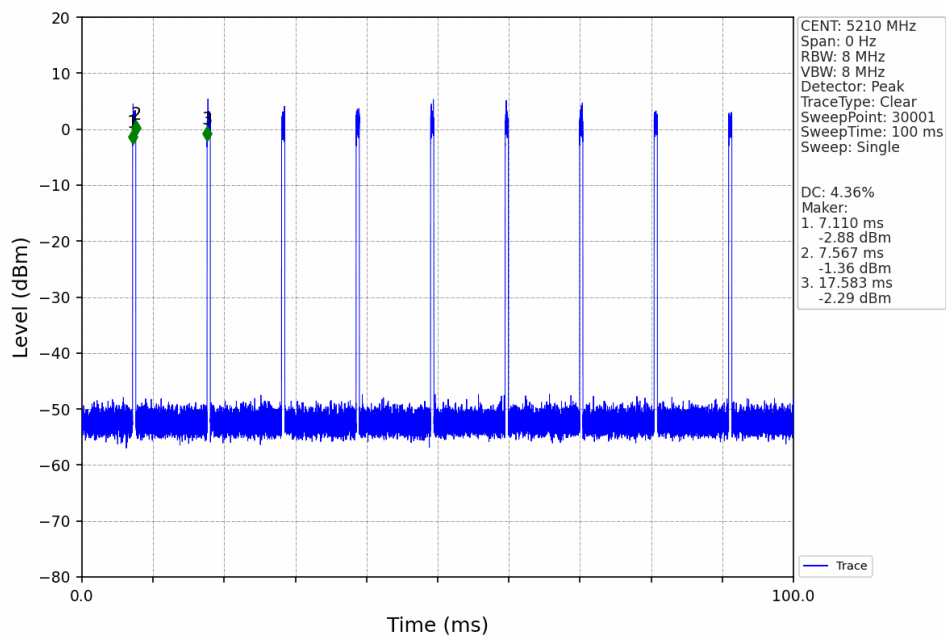
802.11ac(VHT40) LCH_5190MHz_Ant1_NTNV



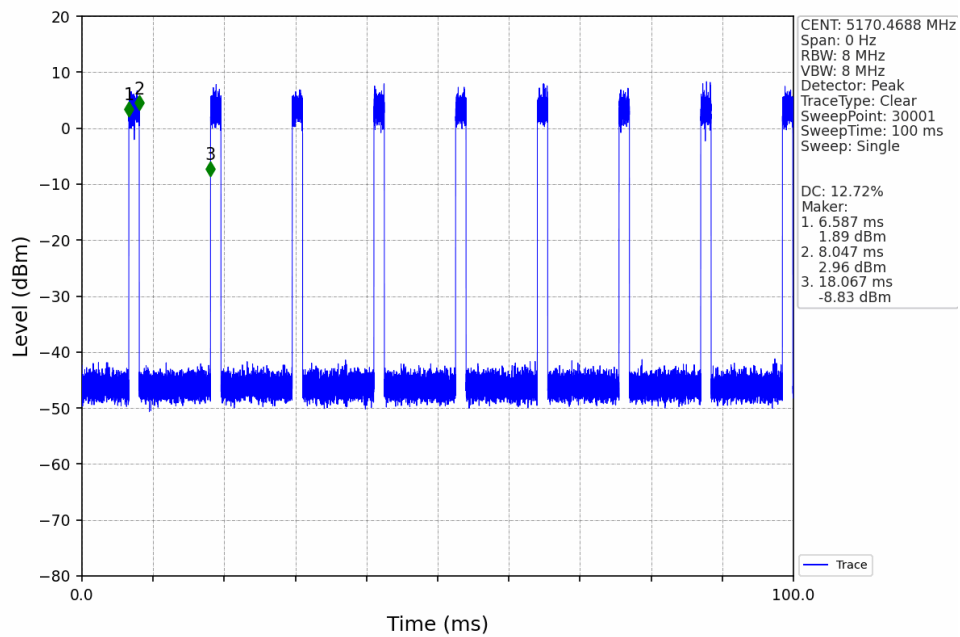
802.11ac(VHT40) HCH 5230MHz_Ant1_NTNV



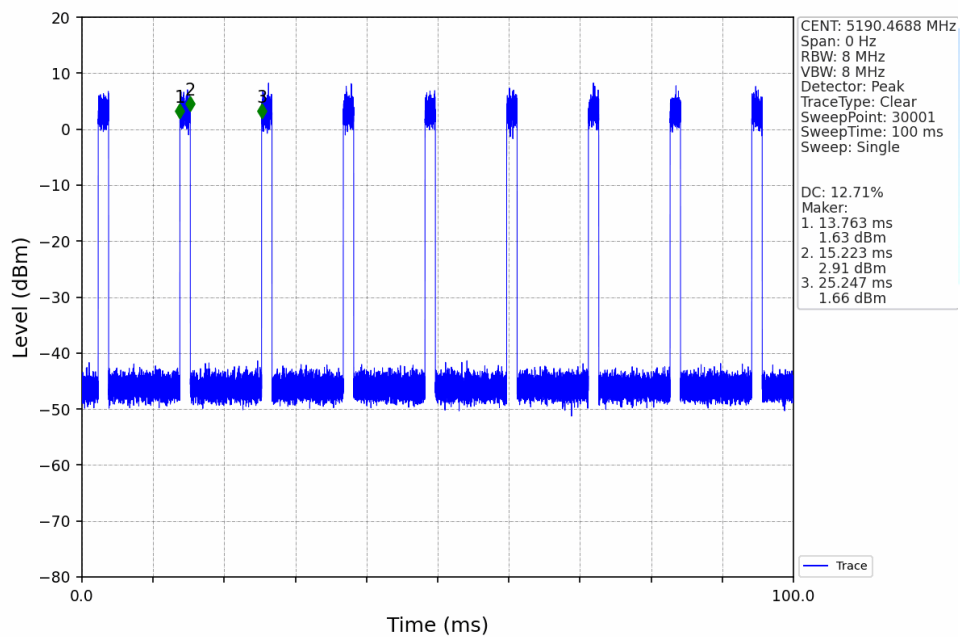
802.11ac(VHT80) MCH 5210MHz_Ant1_NTNV



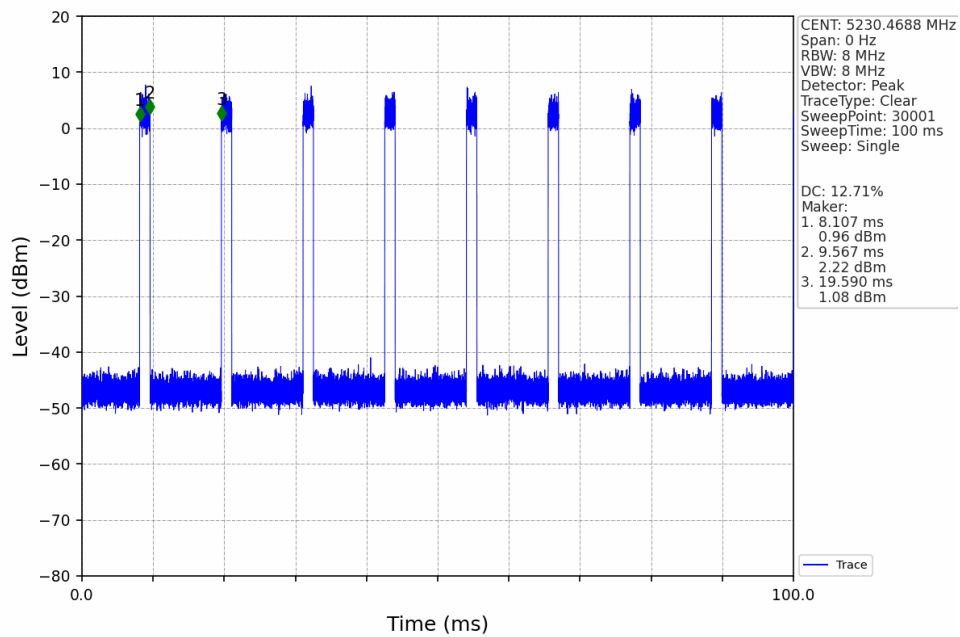
802.11ax(HEW20)_LCH_5180MHz_SU_ / Ant1_NTNV



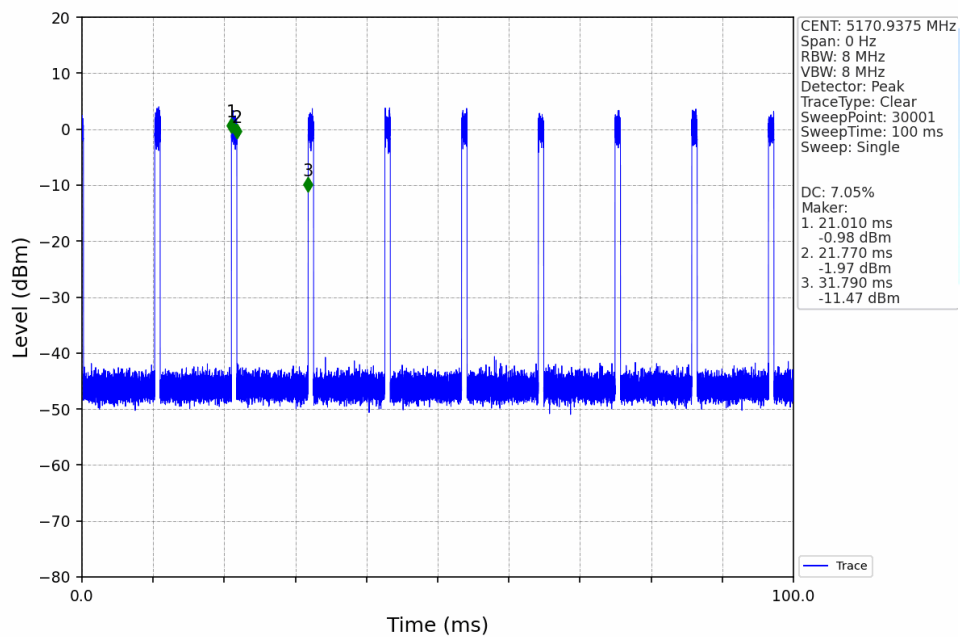
802.11ax(HEW20)_MCH_5200MHz_SU_ / Ant1_NTNV



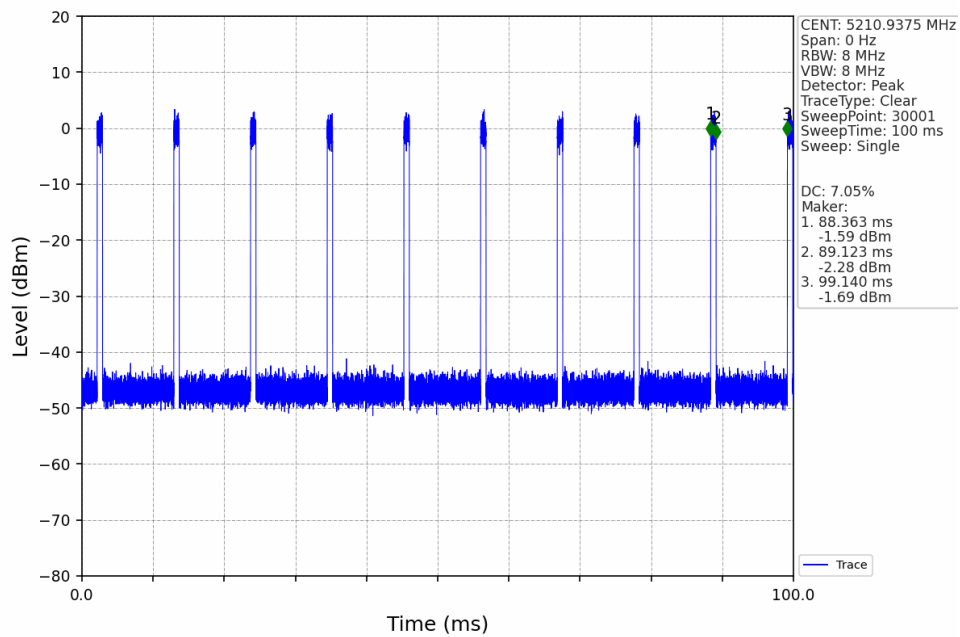
802.11ax(HEW20)_HCH_5240MHz_SU_ / Ant1_NTNV



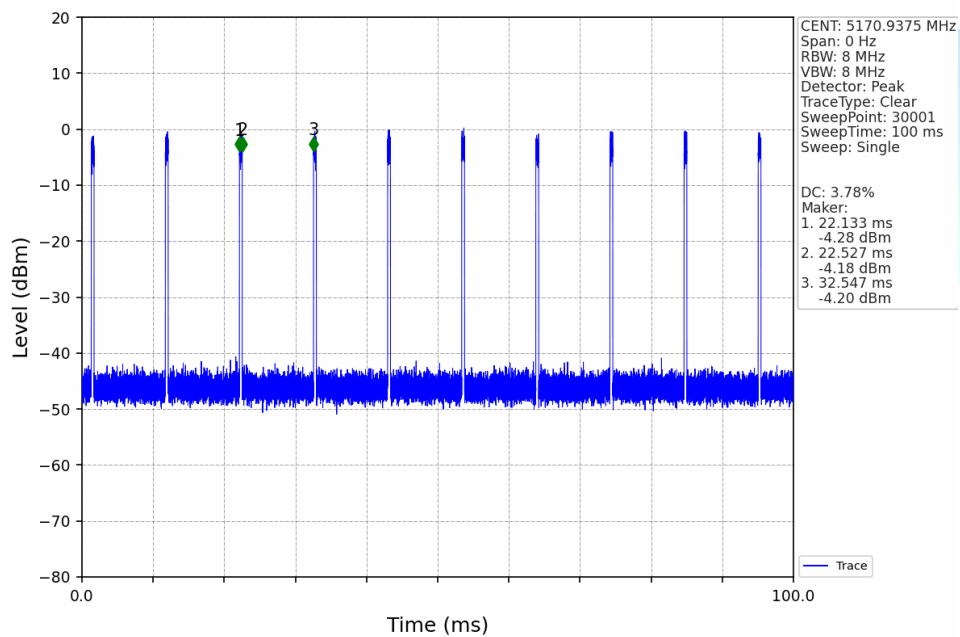
802.11ax(HEW40)_LCH_5190MHz_SU_ / Ant1_NTNV



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	18.476	/	Pass
		5200	/	/	1	18.191	/	Pass
		5240	/	/	1	18.324	/	Pass
802.11n (HT20)	SISO	5180	/	/	1	19.235	/	Pass
		5200	/	/	1	19.183	/	Pass
		5240	/	/	1	19.434	/	Pass
802.11n (HT40)	SISO	5190	/	/	1	37.297	/	Pass
		5230	/	/	1	37.525	/	Pass
802.11ac (VHT20)	SISO	5180	/	/	1	19.227	/	Pass
		5200	/	/	1	19.273	/	Pass
		5240	/	/	1	19.240	/	Pass
802.11ac (VHT40)	SISO	5190	/	/	1	37.425	/	Pass
		5230	/	/	1	37.484	/	Pass
802.11ac (VHT80)	SISO	5210	/	/	1	76.594	/	Pass
802.11ax (HEW20)	SISO	5180	SU	/	1	19.806	/	Pass
		5200	SU	/	1	19.806	/	Pass
		5240	SU	/	1	19.855	/	Pass
802.11ax (HEW40)	SISO	5190	SU	/	1	38.693	/	Pass
		5230	SU	/	1	38.557	/	Pass
802.11ax (HEW80)	SISO	5210	SU	/	1	78.097	/	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	22.907	/	Pass
		5200	/	/	1	24.002	/	Pass
		5240	/	/	1	24.041	/	Pass
802.11n (HT20)	SISO	5180	/	/	1	25.586	/	Pass
		5200	/	/	1	24.753	/	Pass
		5240	/	/	1	25.169	/	Pass
802.11n (HT40)	SISO	5190	/	/	1	45.102	/	Pass
		5230	/	/	1	45.351	/	Pass
802.11ac (VHT20)	SISO	5180	/	/	1	24.390	/	Pass
		5200	/	/	1	23.877	/	Pass
		5240	/	/	1	24.908	/	Pass
802.11ac (VHT40)	SISO	5190	/	/	1	45.876	/	Pass
		5230	/	/	1	46.022	/	Pass
802.11ac (VHT80)	SISO	5210	/	/	1	86.679	/	Pass
802.11ax (HEW20)	SISO	5180	SU	/	1	24.748	/	Pass
		5200	SU	/	1	24.780	/	Pass
		5240	SU	/	1	24.205	/	Pass
802.11ax (HEW40)	SISO	5190	SU	/	1	44.322	/	Pass
		5230	SU	/	1	43.010	/	Pass
802.11ax	SISO	5210	SU	/	1	84.639	/	Pass

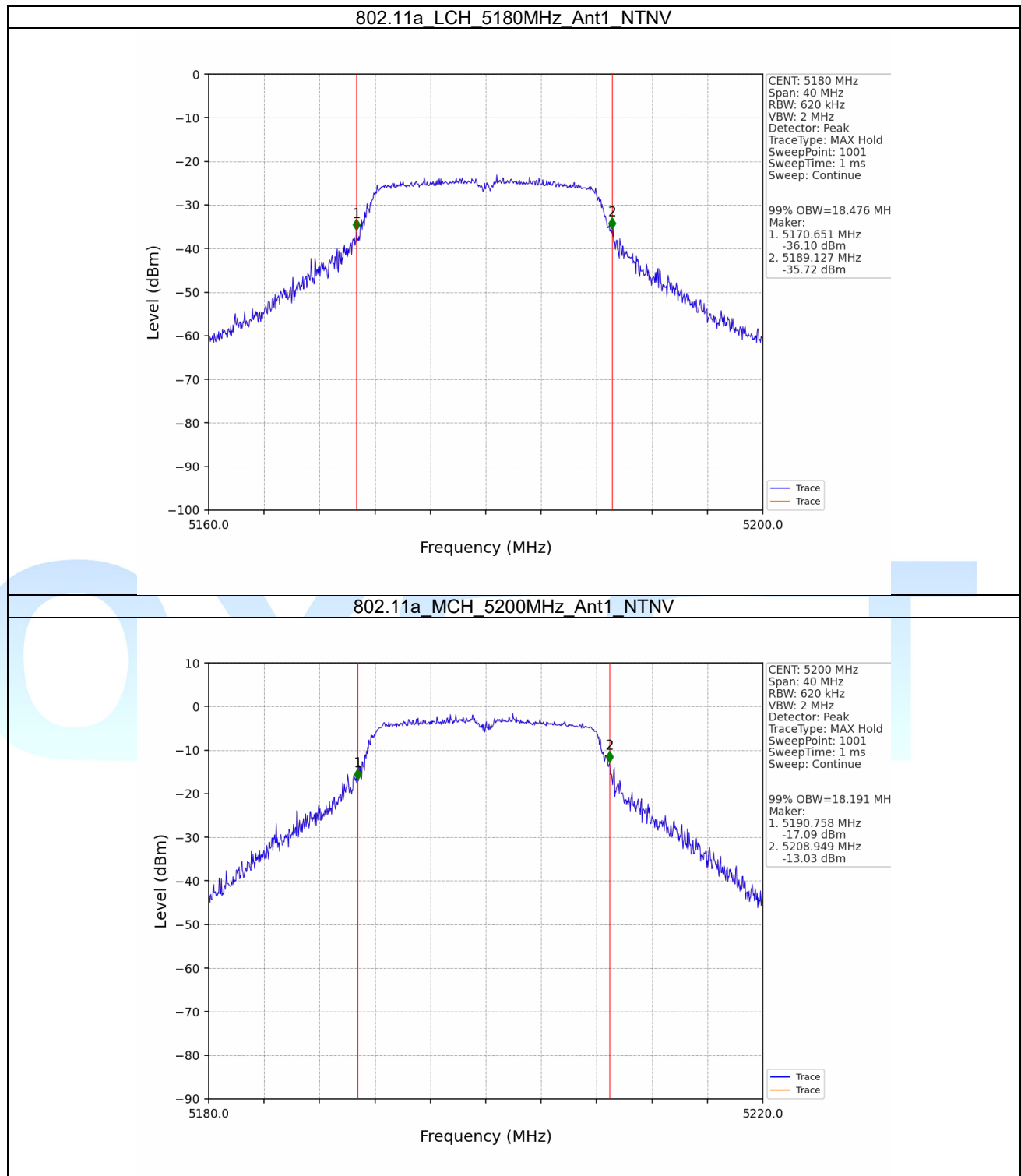


(HEW80)								
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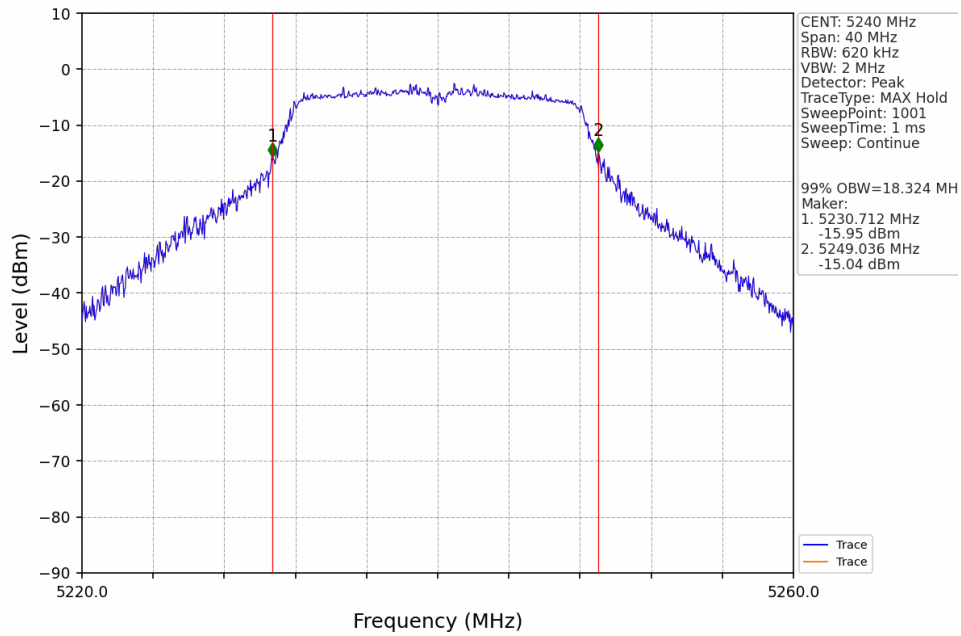


2.2 Test Graph

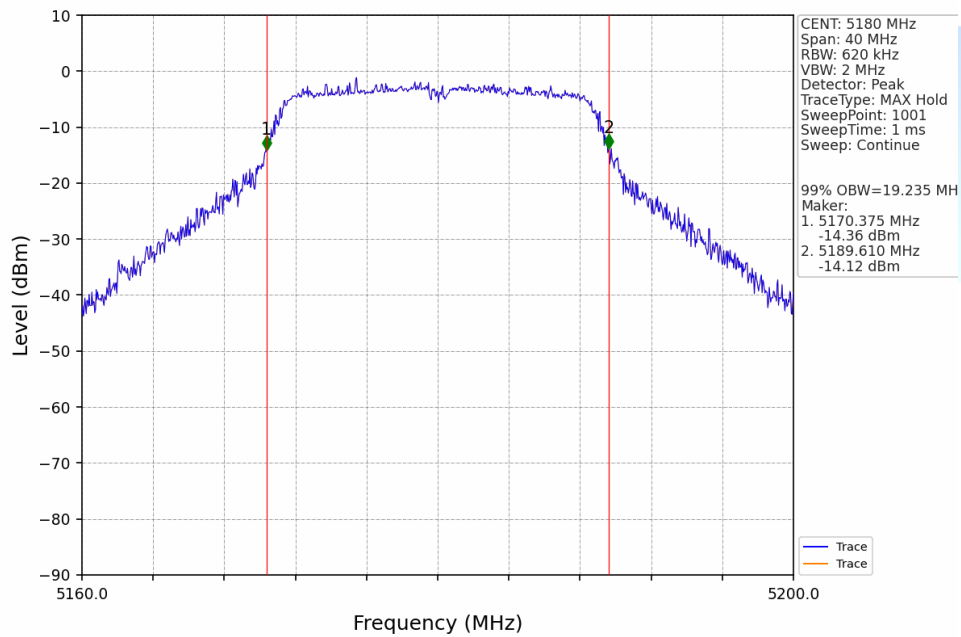
2.2.1 OBW



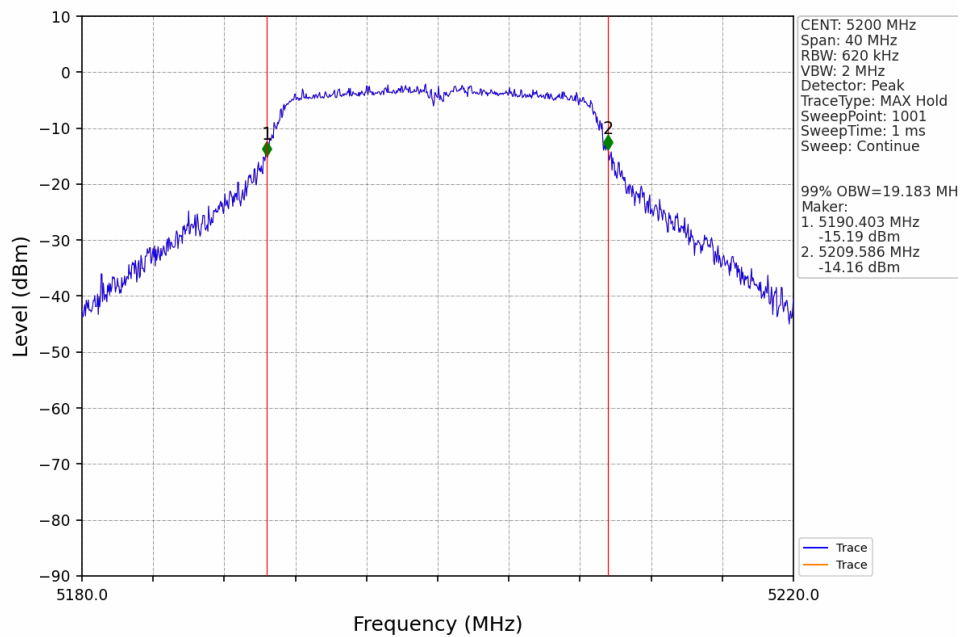
802.11a_HCH_5240MHz_Ant1_NTNV



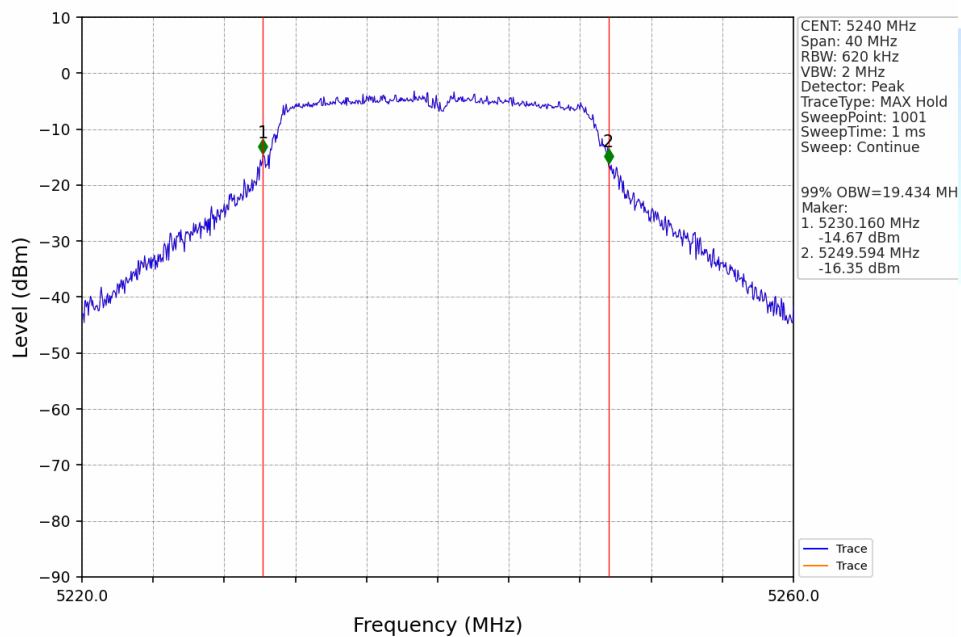
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



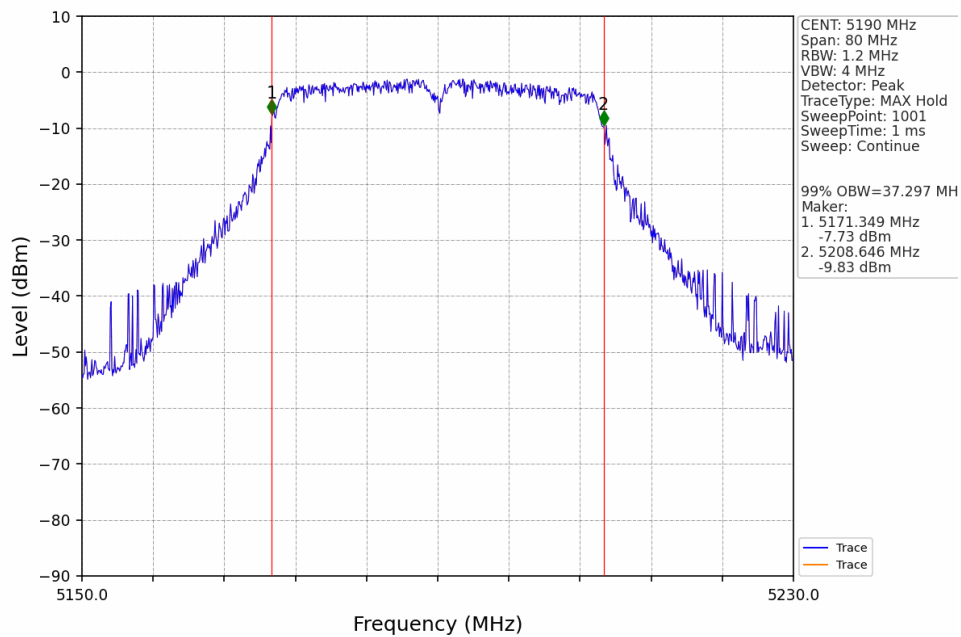
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



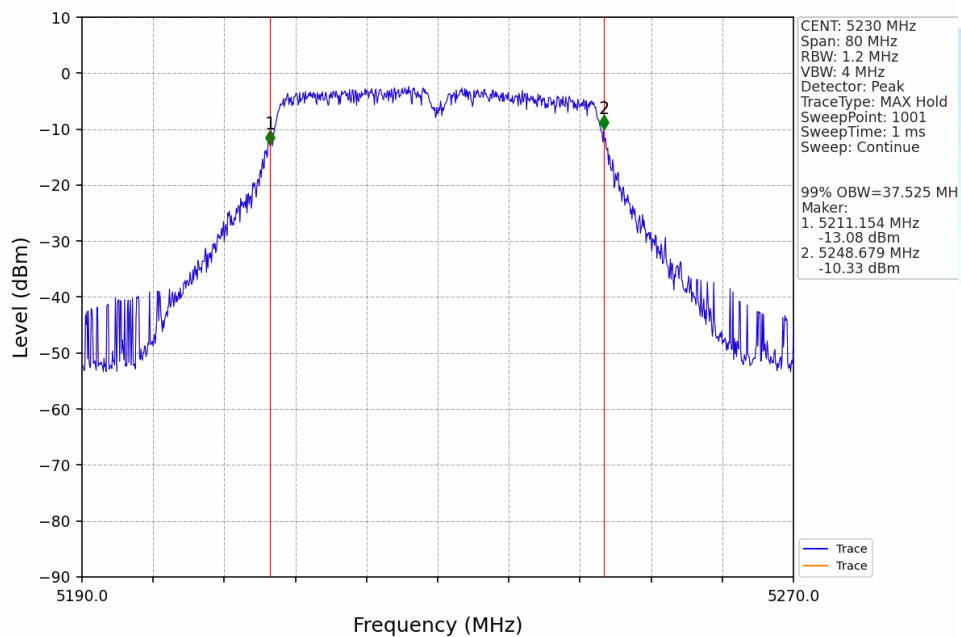
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



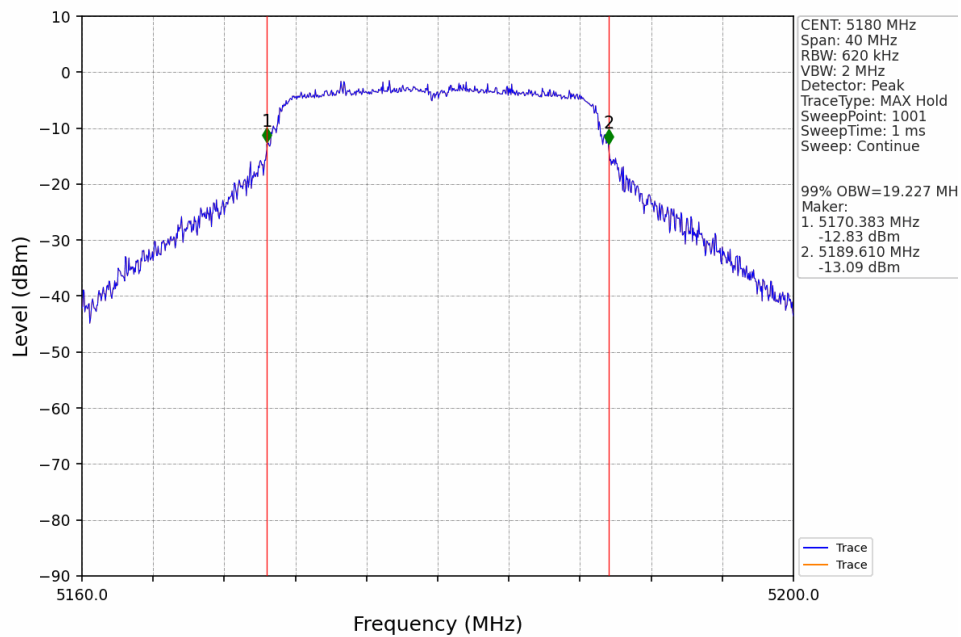
802.11n(HT40) LCH 5190MHz_Ant1_NTNV



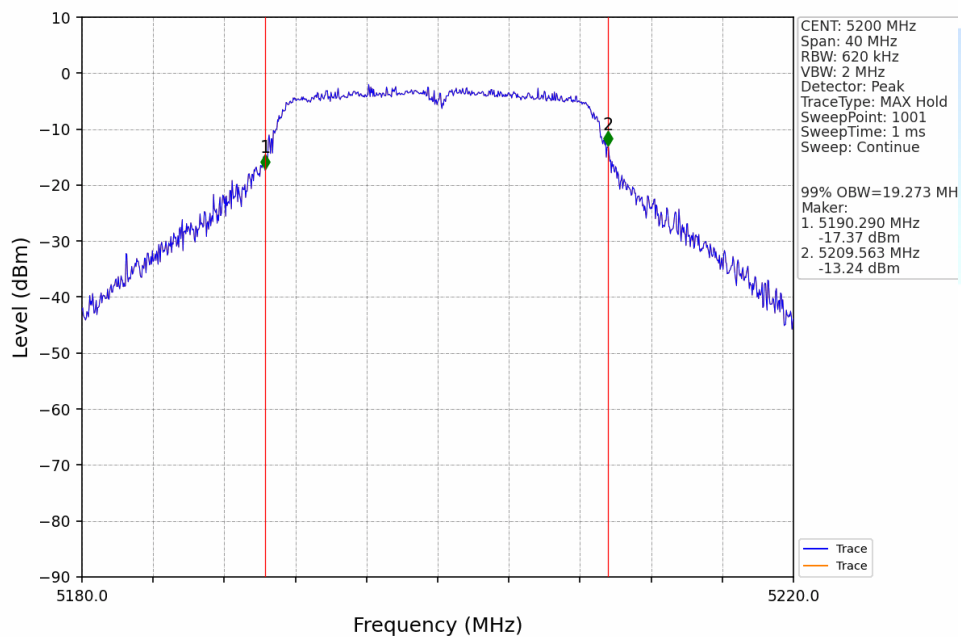
802.11n(HT40) HCH 5230MHz_Ant1_NTNV



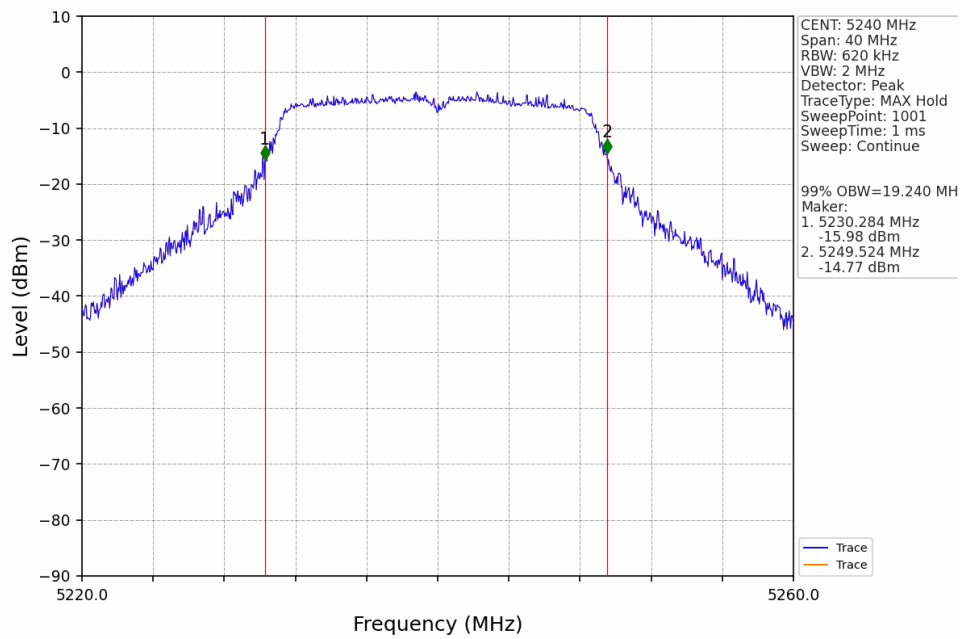
802.11ac(VHT20) LCH_5180MHz_Ant1_NTNV



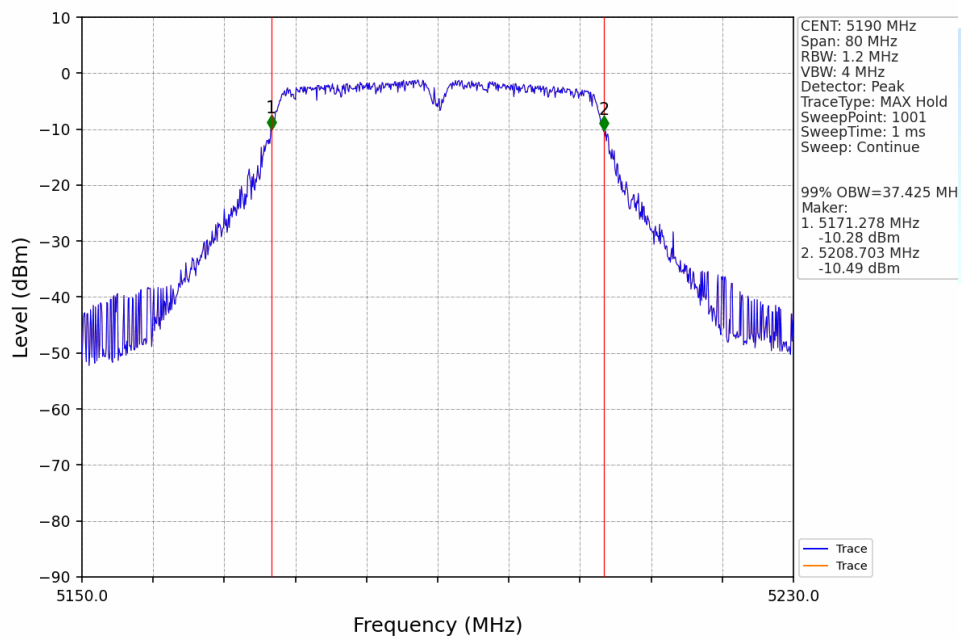
802.11ac(VHT20) MCH_5200MHz_Ant1_NTNV



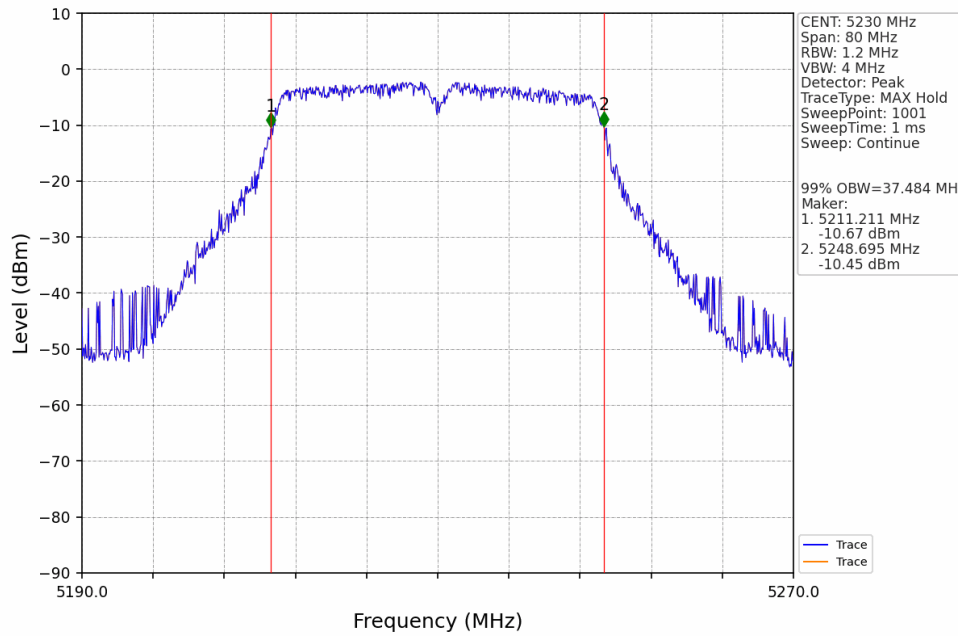
802.11ac(VHT20) HCH 5240MHz Ant1_NTNV



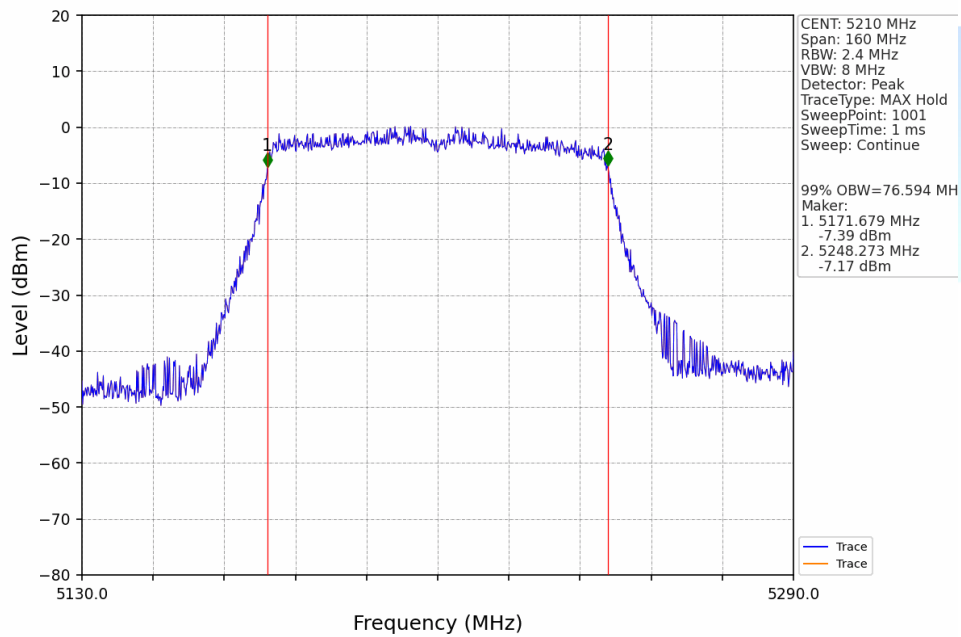
802.11ac(VHT40) LCH 5190MHz Ant1_NTNV



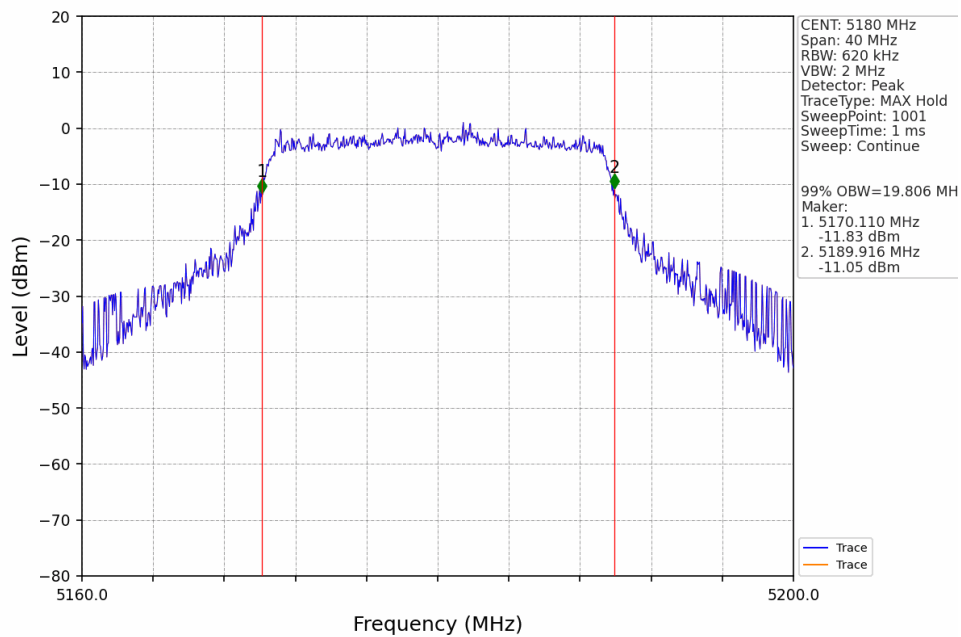
802.11ac(VHT40) HCH 5230MHz_Ant1_NTNV



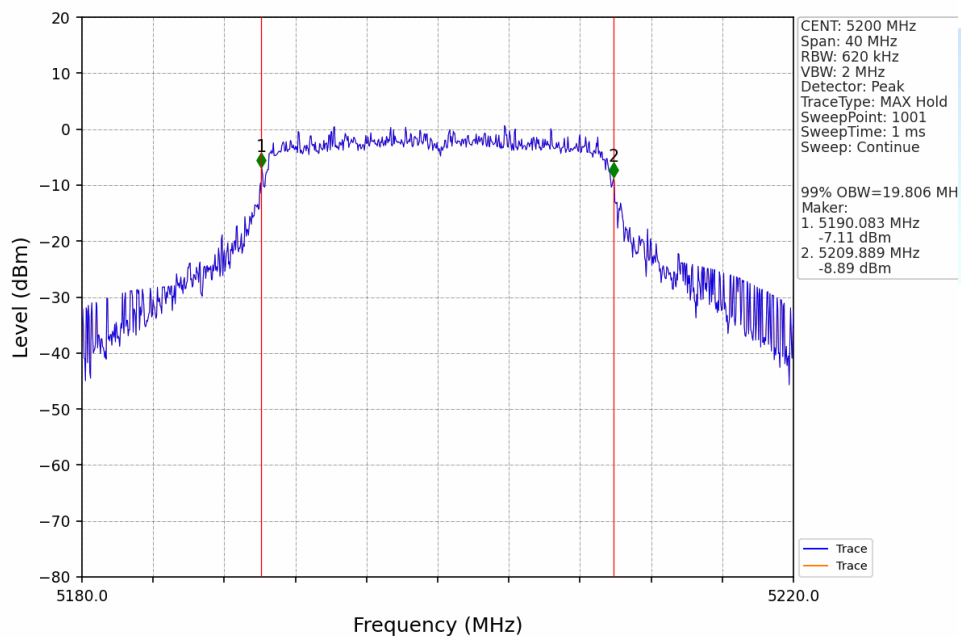
802.11ac(VHT80) MCH 5210MHz_Ant1_NTNV



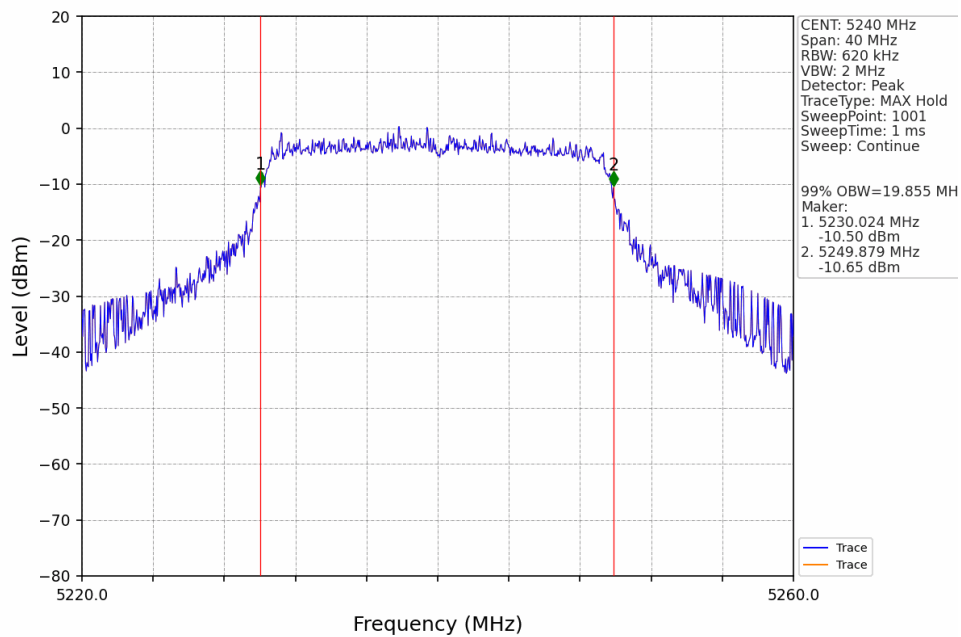
802.11ax(HEW20)_LCH_5180MHz_SU_ / Ant1_NTNV



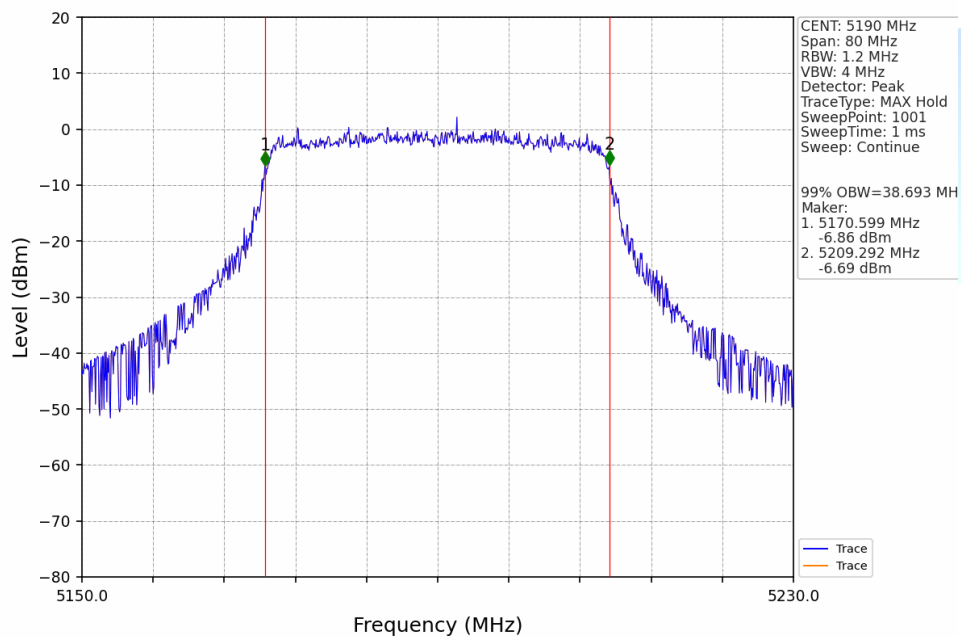
802.11ax(HEW20)_MCH_5200MHz_SU_ / Ant1_NTNV



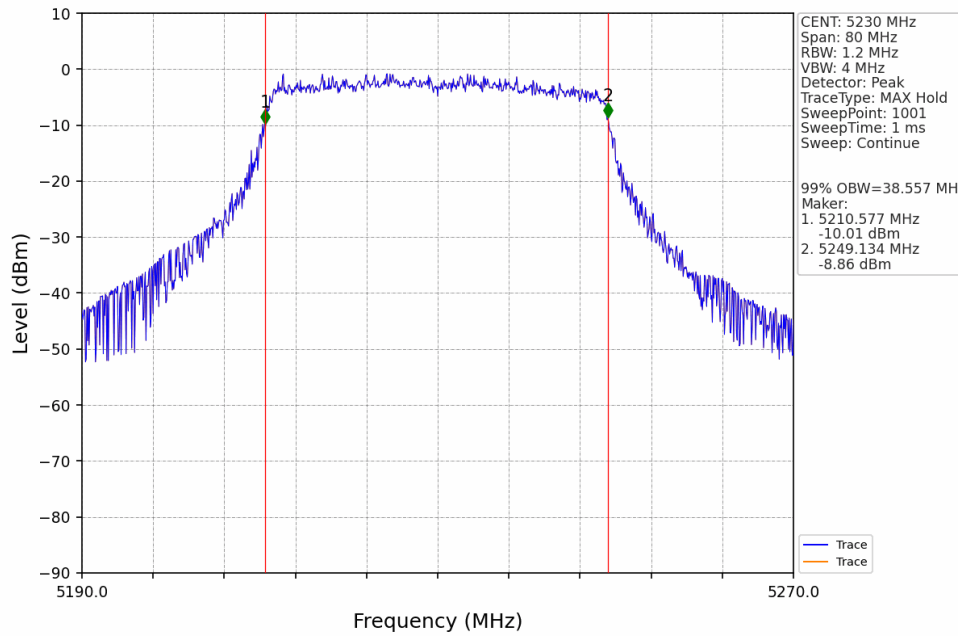
802.11ax(HEW20)_HCH_5240MHz_SU / Ant1_NTNV



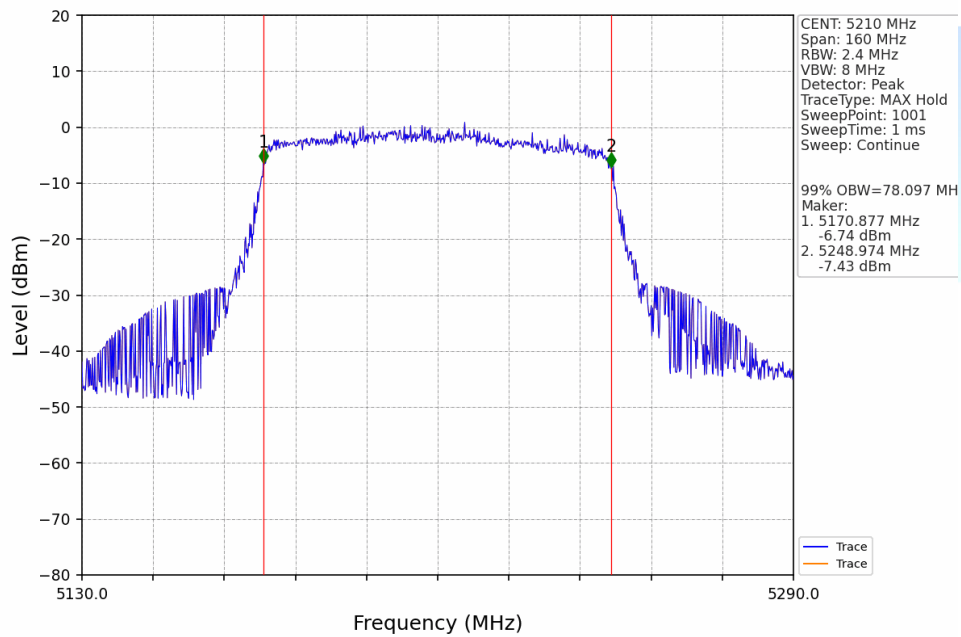
802.11ax(HEW40)_LCH_5190MHz_SU / Ant1_NTNV



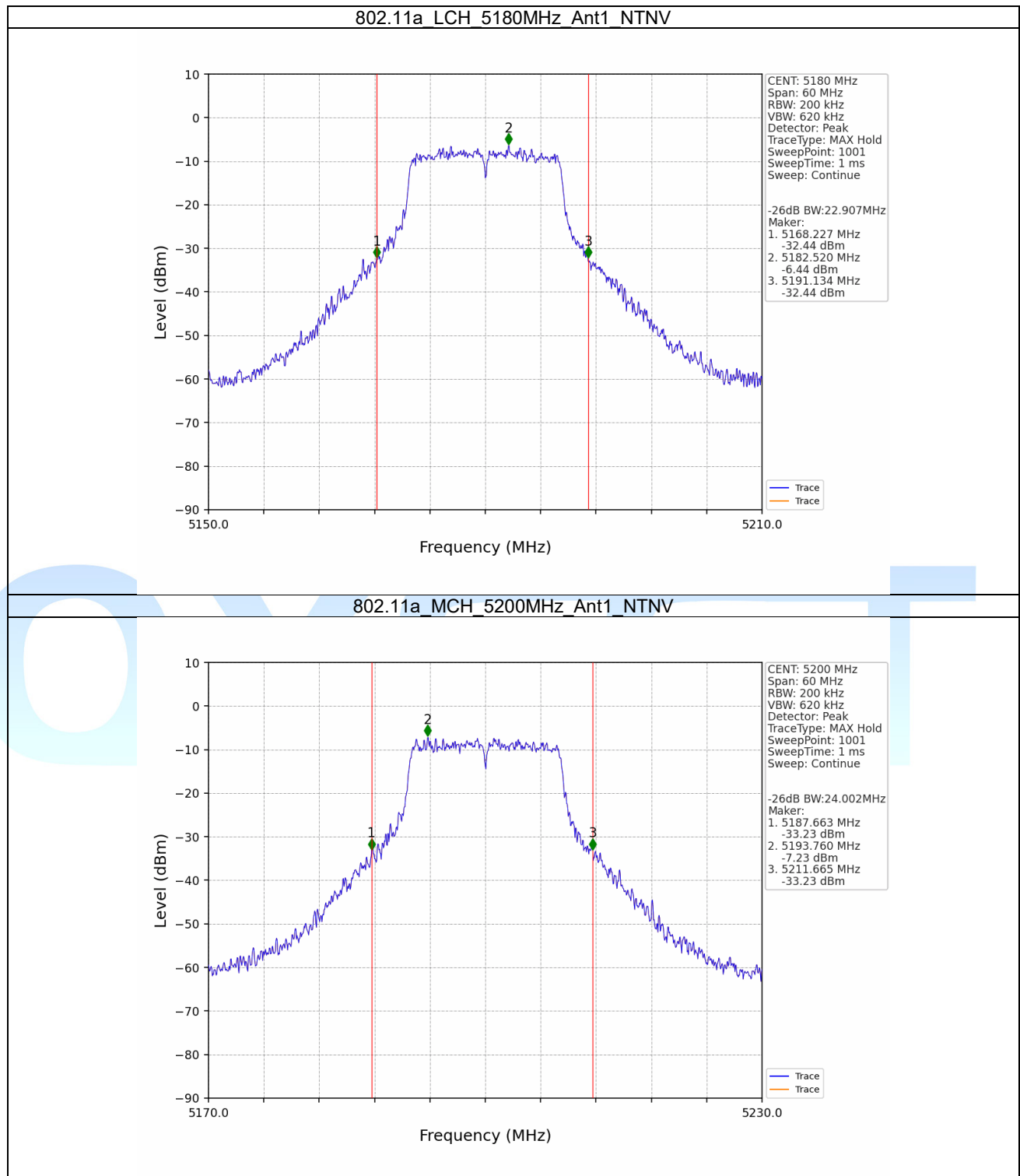
802.11ax(HEW40)_HCH_5230MHz_SU / Ant1_NTNV



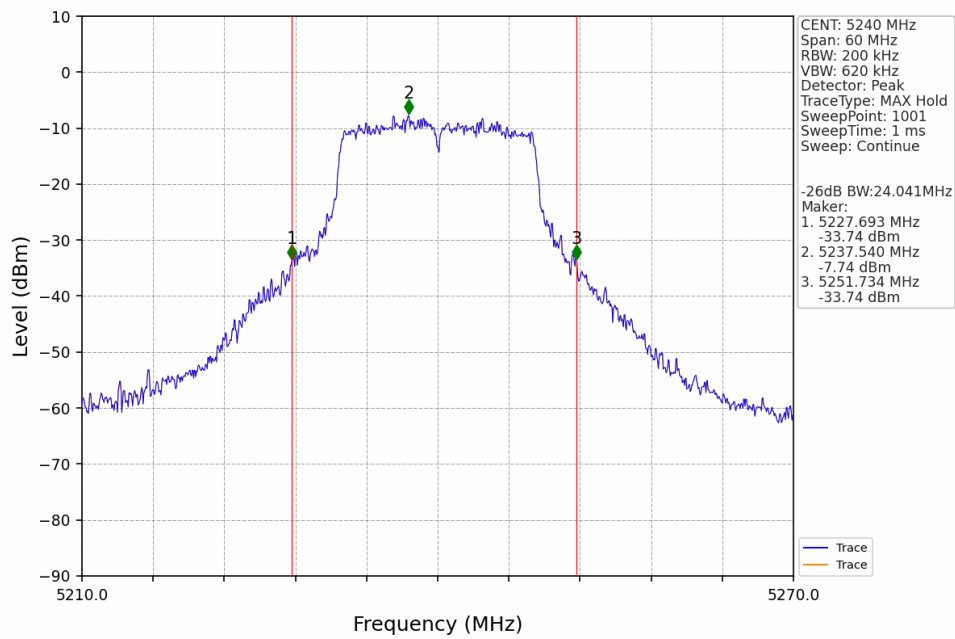
802.11ax(HEW80)_MCH_5210MHz_SU / Ant1_NTNV



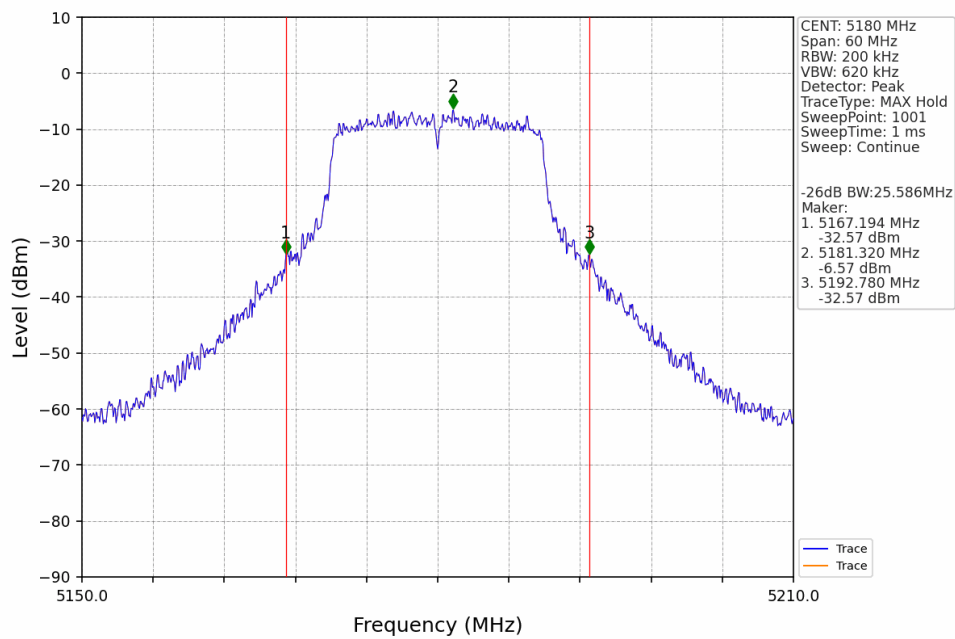
2.2.2 26dB BW



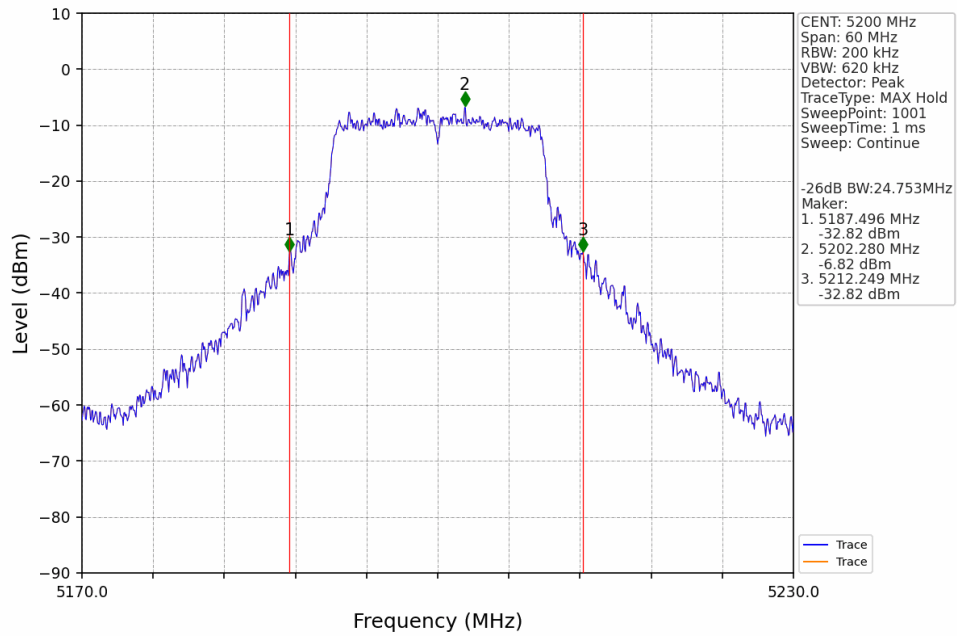
802.11a_HCH_5240MHz_Ant1_NTNV



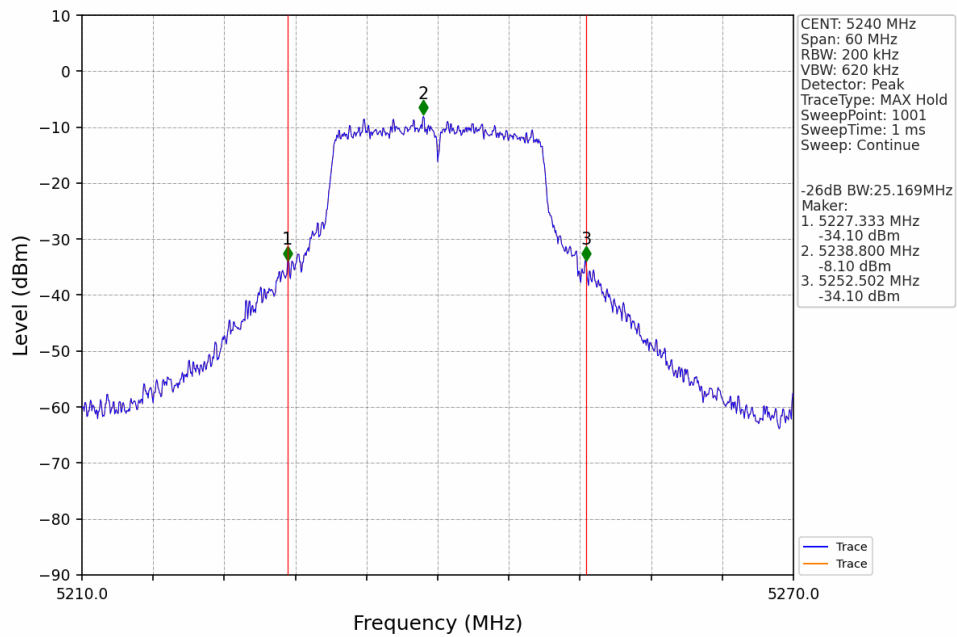
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



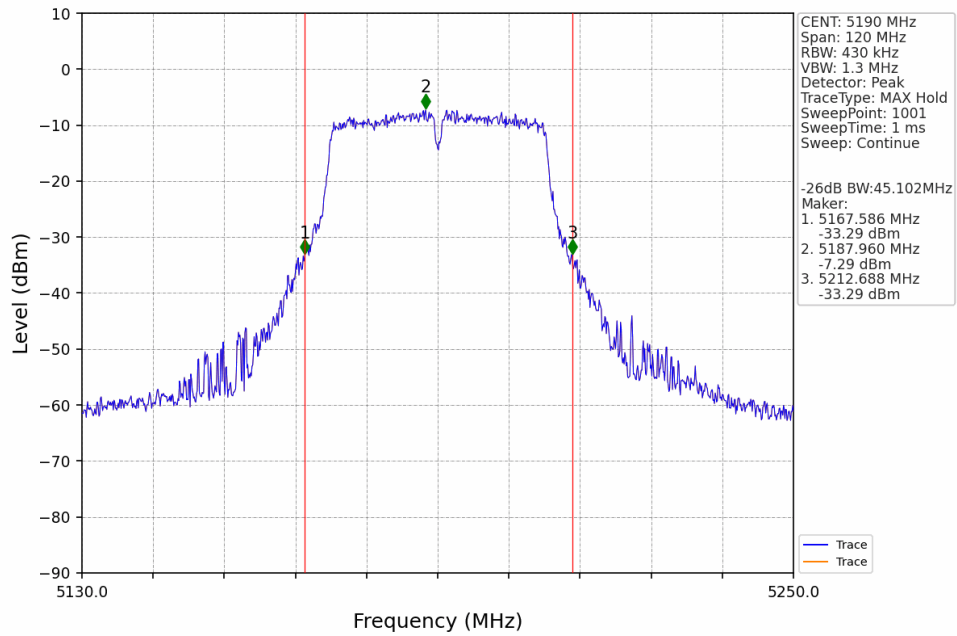
802.11n(HT20) MCH 5200MHz_Ant1_NTNV



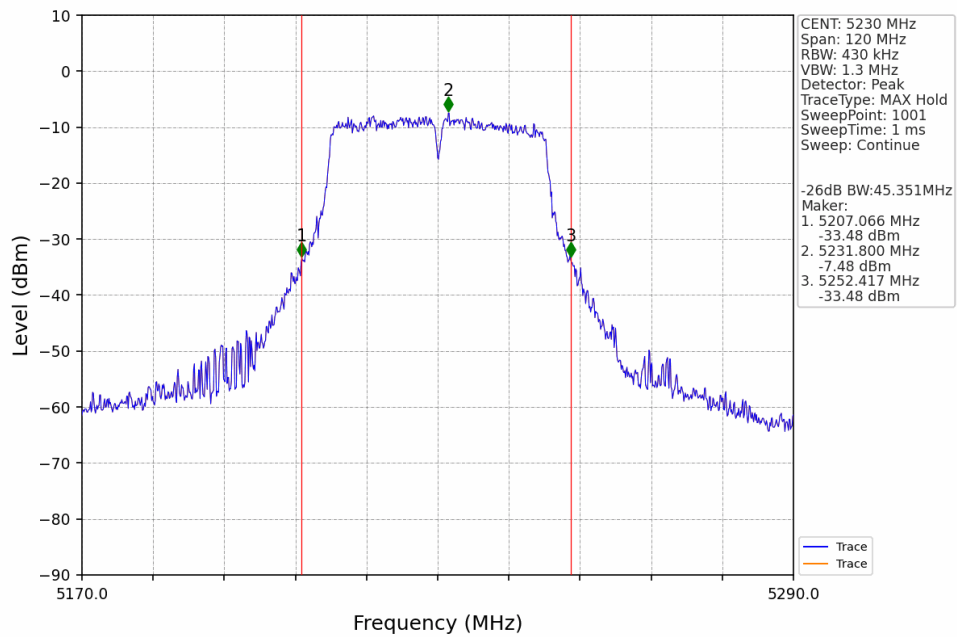
802.11n(HT20) HCH 5240MHz_Ant1_NTNV



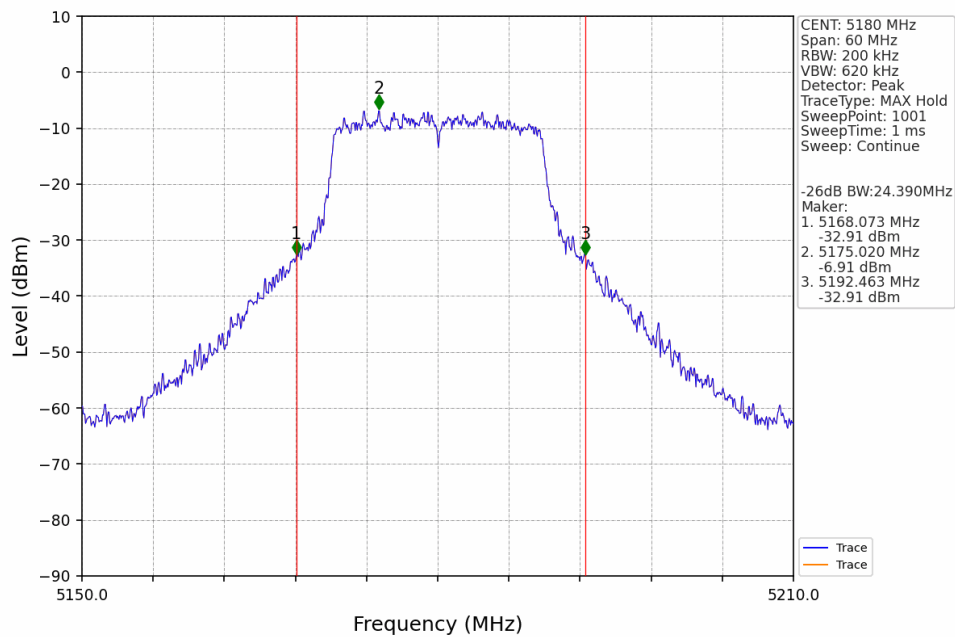
802.11n(HT40) LCH 5190MHz_Ant1_NTNV



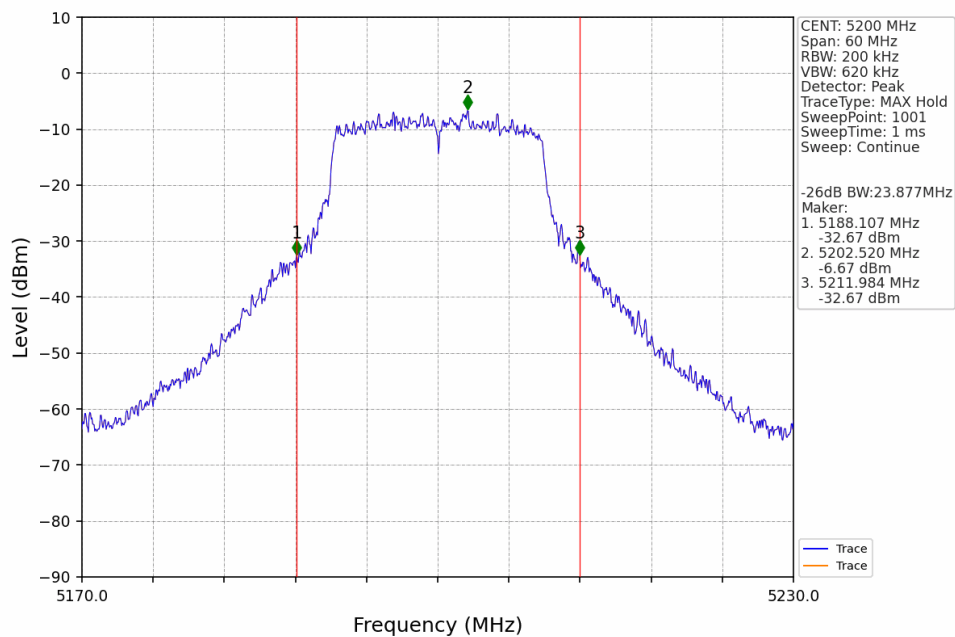
802.11n(HT40) HCH 5230MHz_Ant1_NTNV



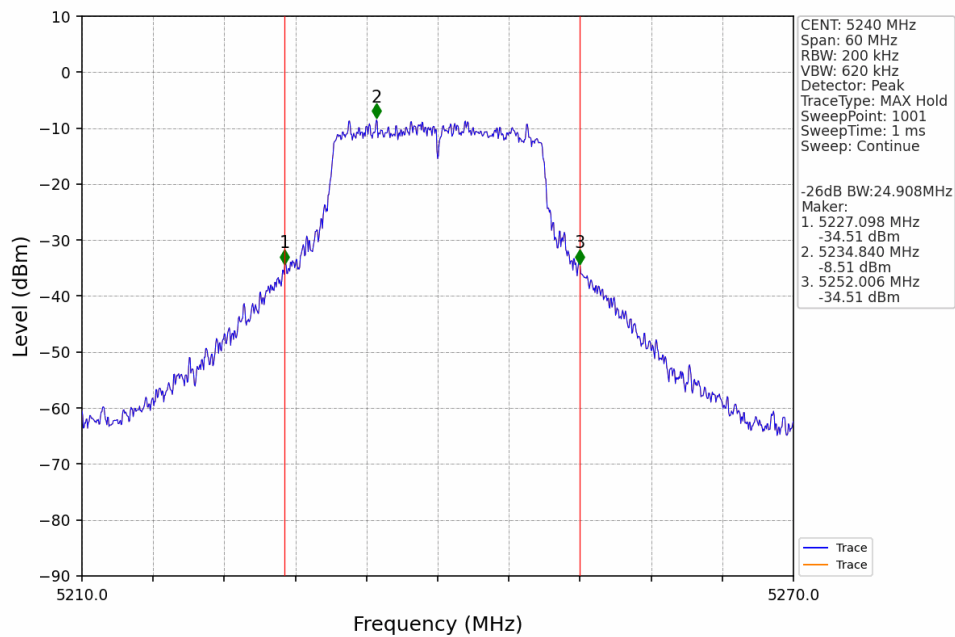
802.11ac(VHT20) LCH_5180MHz_Ant1_NTNV



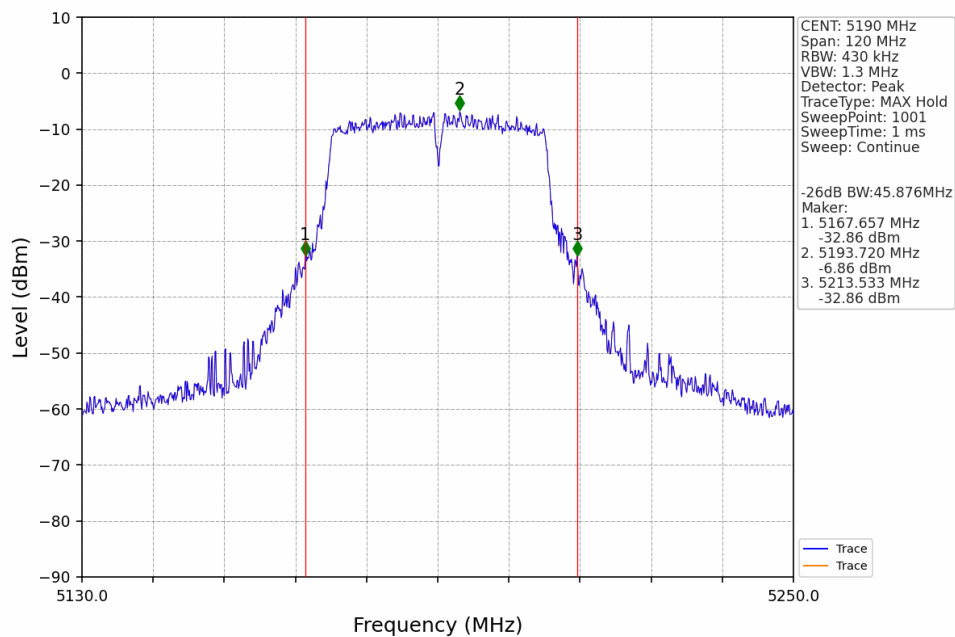
802.11ac(VHT20) MCH_5200MHz_Ant1_NTNV



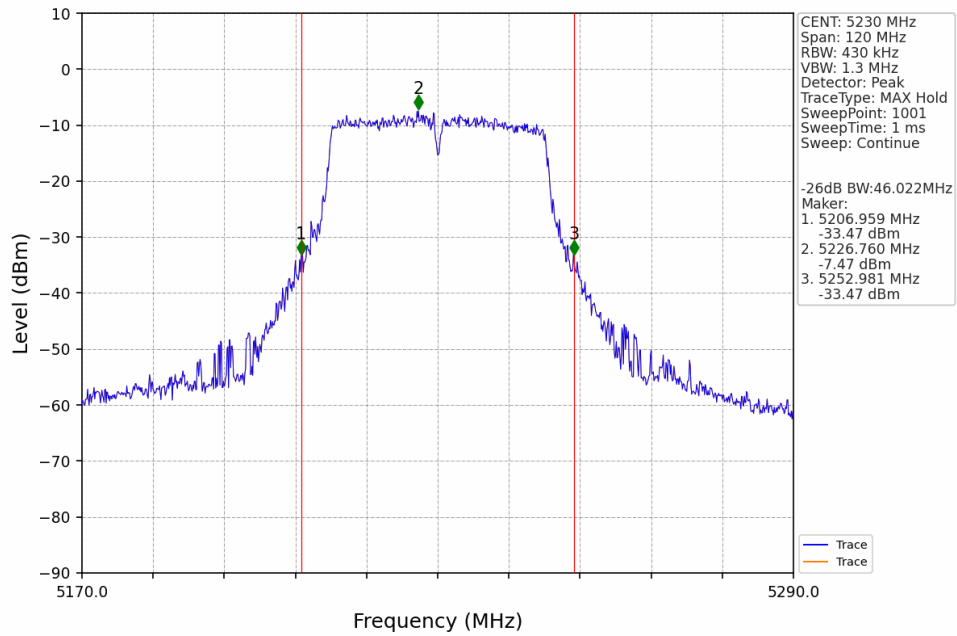
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



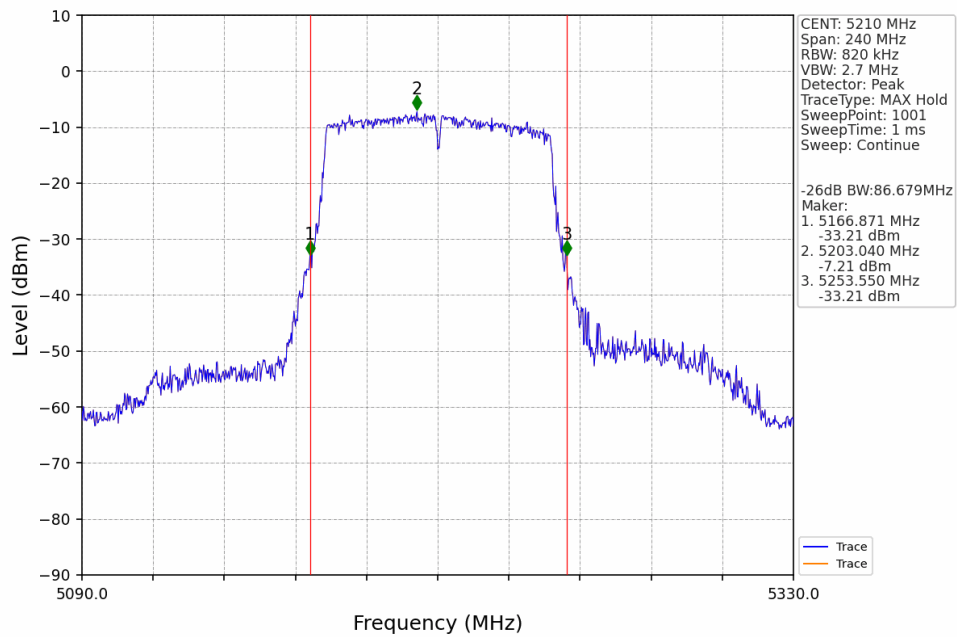
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



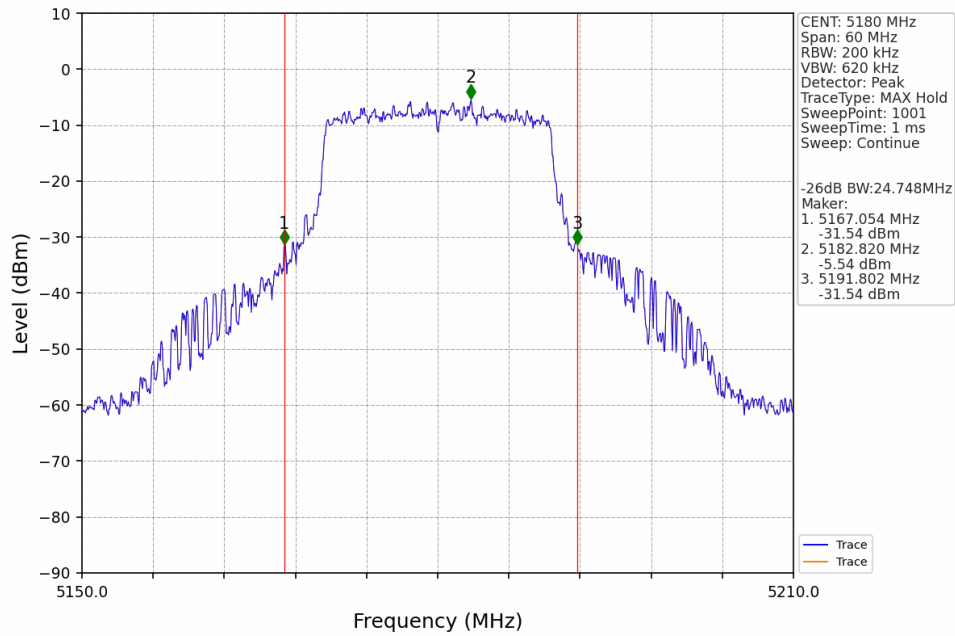
802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



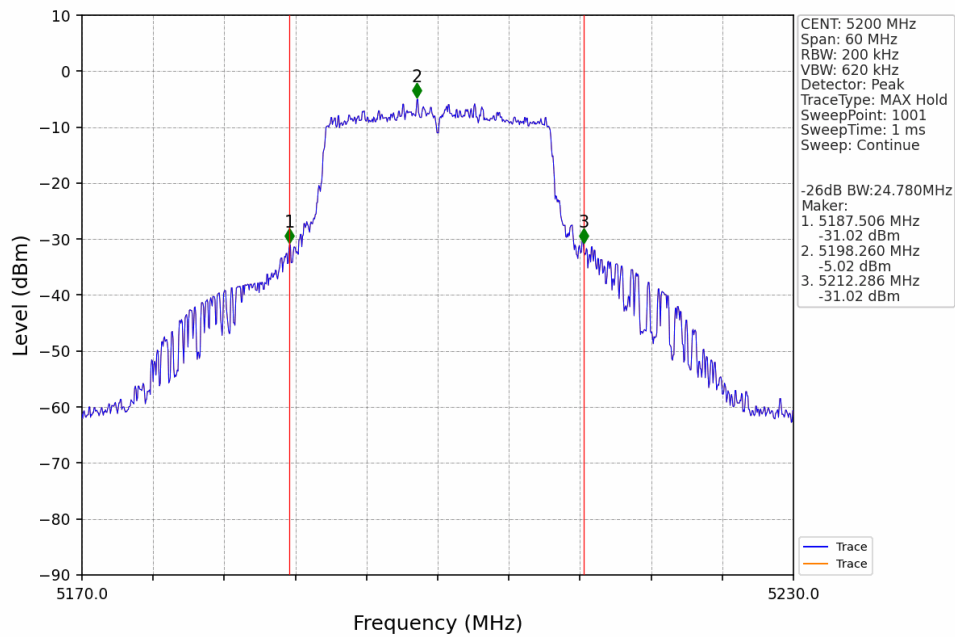
802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



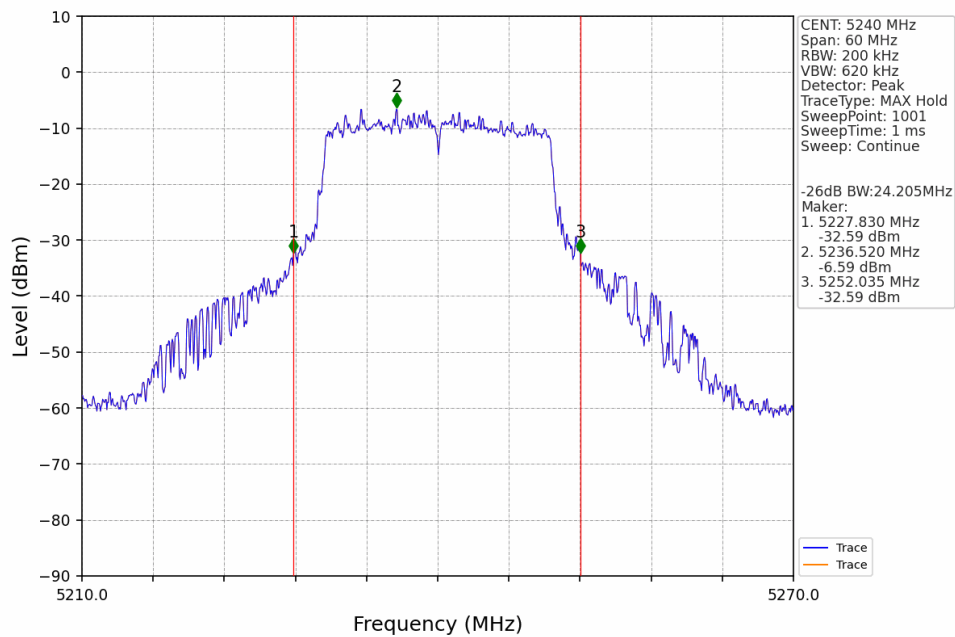
802.11ax(HEW20)_LCH_5180MHz_SU_ / Ant1_NTNV



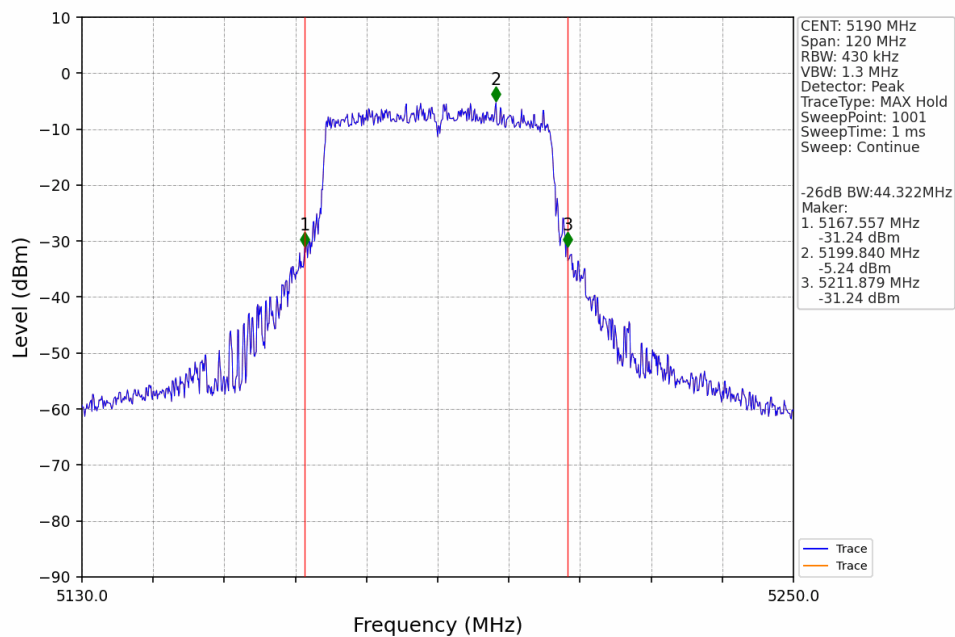
802.11ax(HEW20)_MCH_5200MHz_SU_ / Ant1_NTNV



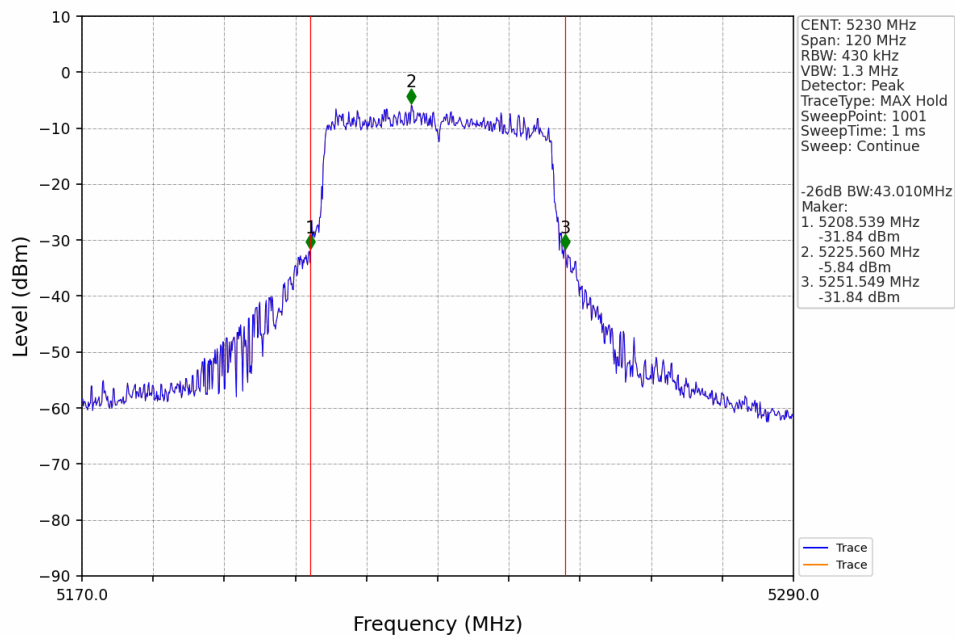
802.11ax(HEW20)_HCH_5240MHz_SU_ / Ant1_NTNV



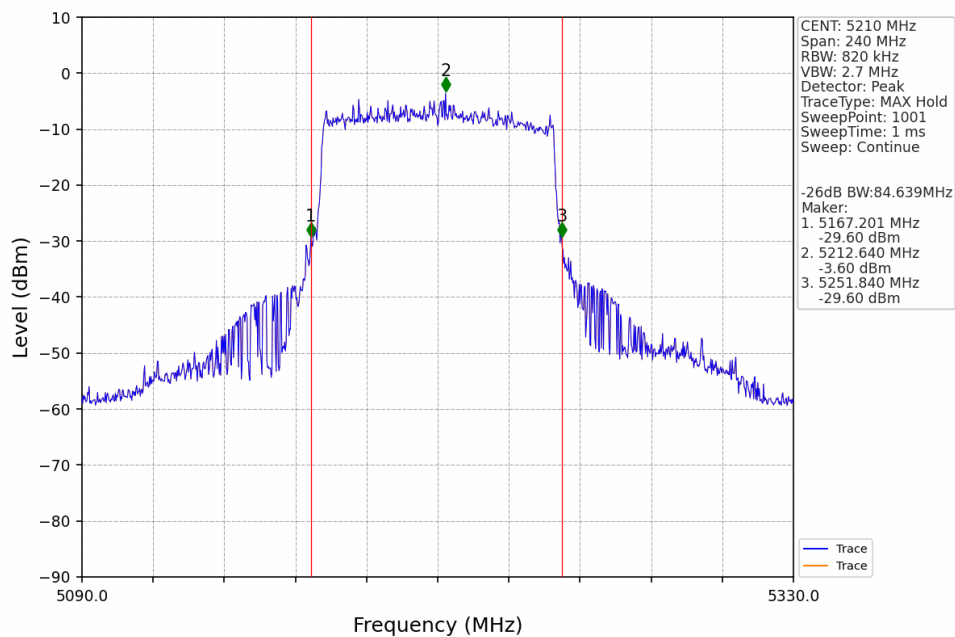
802.11ax(HEW40)_LCH_5190MHz_SU_ / Ant1_NTNV



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	/	/	2.92	<=23.98	Pass
		5200	/	/	2.27	<=23.98	Pass
		5240	/	/	3.46	<=23.98	Pass
802.11n (HT20)	SISO	5180	/	/	4.13	<=23.98	Pass
		5200	/	/	2.83	<=23.98	Pass
		5240	/	/	2.68	<=23.98	Pass
802.11n (HT40)	SISO	5190	/	/	5.41	<=23.98	Pass
		5230	/	/	2.54	<=23.98	Pass
802.11ac (VHT20)	SISO	5180	/	/	3.51	<=23.98	Pass
		5200	/	/	3.83	<=23.98	Pass
		5240	/	/	1.50	<=23.98	Pass
802.11ac (VHT40)	SISO	5190	/	/	3.64	<=23.98	Pass
		5230	/	/	2.99	<=23.98	Pass
802.11ac (VHT80)	SISO	5210	/	/	4.08	<=23.98	Pass
802.11ax (HEW20)	SISO	5180	SU	/	4.38	<=23.98	Pass
		5200	SU	/	3.74	<=23.98	Pass
		5240	SU	/	2.44	<=23.98	Pass
802.11ax (HEW40)	SISO	5190	SU	/	4.53	<=23.98	Pass
		5230	SU	/	3.85	<=23.98	Pass
802.11ax (HEW80)	SISO	5210	SU	/	2.56	<=23.98	Pass

Note1: Antenna Gain: Ant1: 2.67dBi;

4. Maximum Power Spectral Density

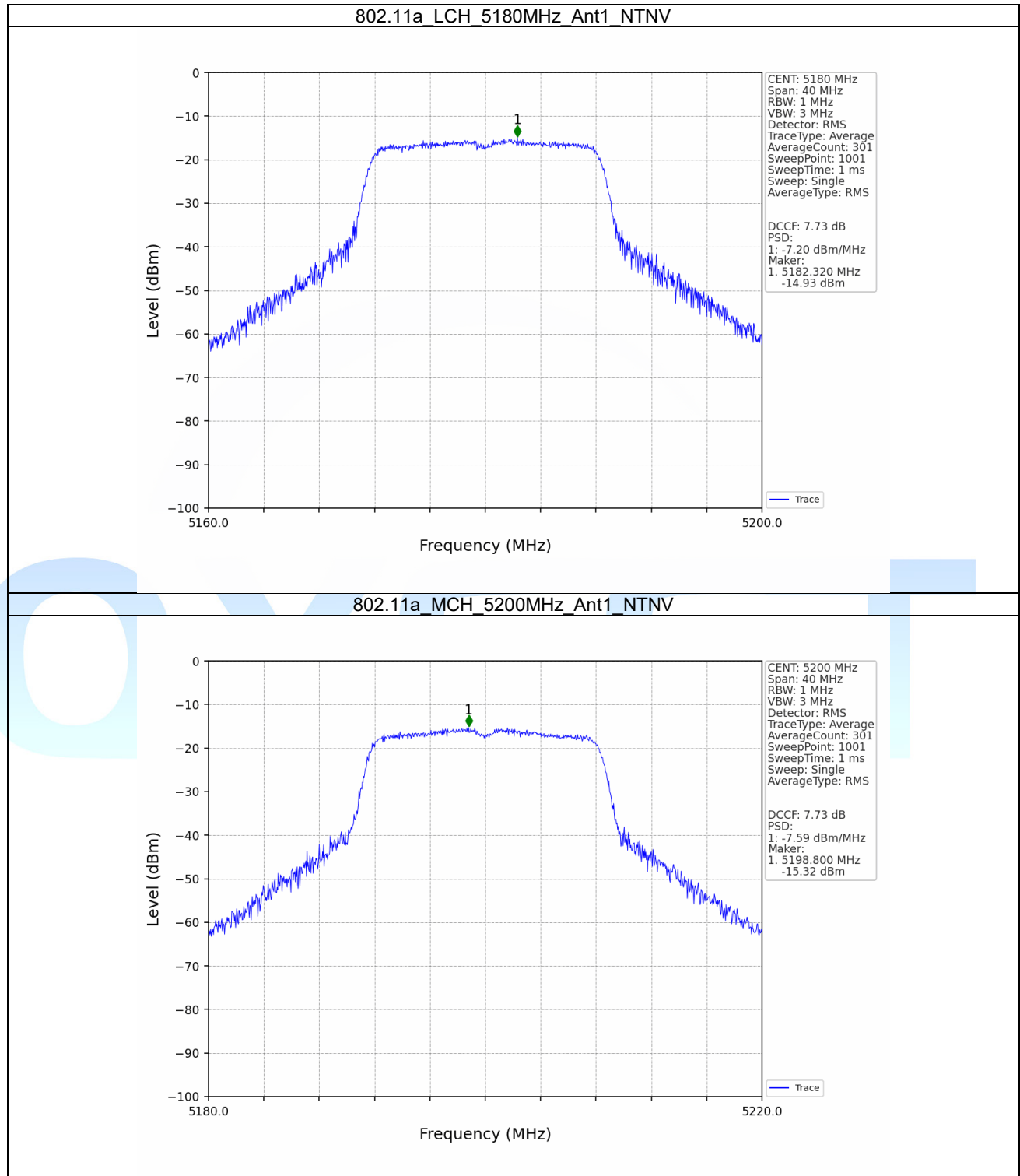
4.1 Test Result

4.1.1 PSD

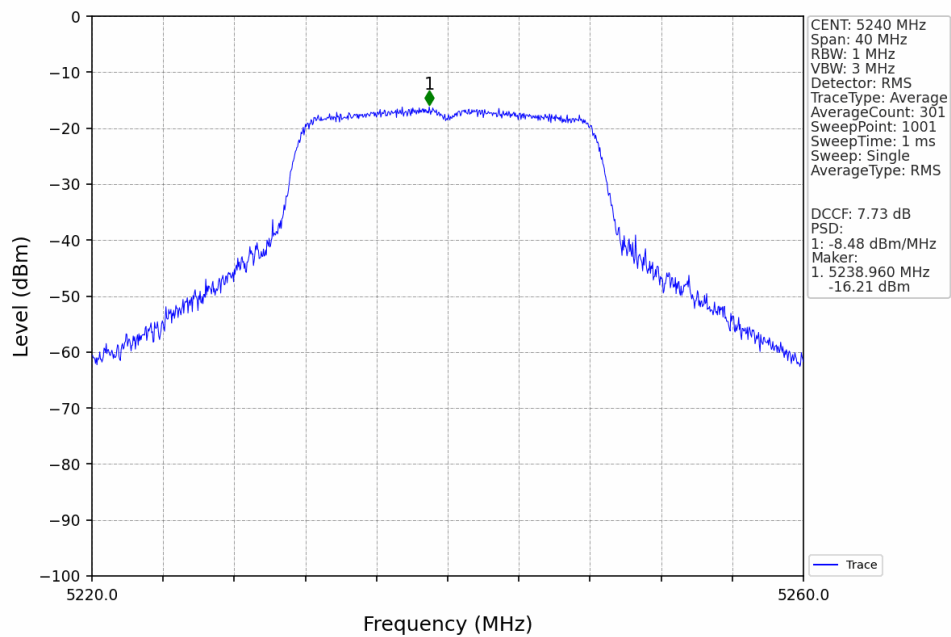
Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum PSD (dBm/MHz)		Verdict
					ANT1	Limit	
802.11a	SISO	5180	/	/	-7.20	<=11	Pass
		5200	/	/	-7.59	<=11	Pass
		5240	/	/	-8.48	<=11	Pass
802.11n (HT20)	SISO	5180	/	/	-7.46	<=11	Pass
		5200	/	/	-7.36	<=11	Pass
		5240	/	/	-7.59	<=11	Pass
802.11n (HT40)	SISO	5190	/	/	-9.06	<=11	Pass
		5230	/	/	-10.85	<=11	Pass
802.11ac (VHT20)	SISO	5180	/	/	-7.00	<=11	Pass
		5200	/	/	-7.28	<=11	Pass
		5240	/	/	-8.59	<=11	Pass
802.11ac (VHT40)	SISO	5190	/	/	-9.99	<=11	Pass
		5230	/	/	-10.79	<=11	Pass
802.11ac (VHT80)	SISO	5210	/	/	-13.95	<=11	Pass
802.11ax (HEW20)	SISO	5180	SU	/	-7.26	<=11	Pass
		5200	SU	/	-6.88	<=11	Pass
		5240	SU	/	-8.37	<=11	Pass
802.11ax (HEW40)	SISO	5190	SU	/	-9.41	<=11	Pass
		5230	SU	/	-10.81	<=11	Pass
802.11ax (HEW80)	SISO	5210	SU	/	-12.43	<=11	Pass
Note1: Antenna Gain: Ant1: 2.67dBi; Note2: result contains DCCF							

4.2 Test Graph

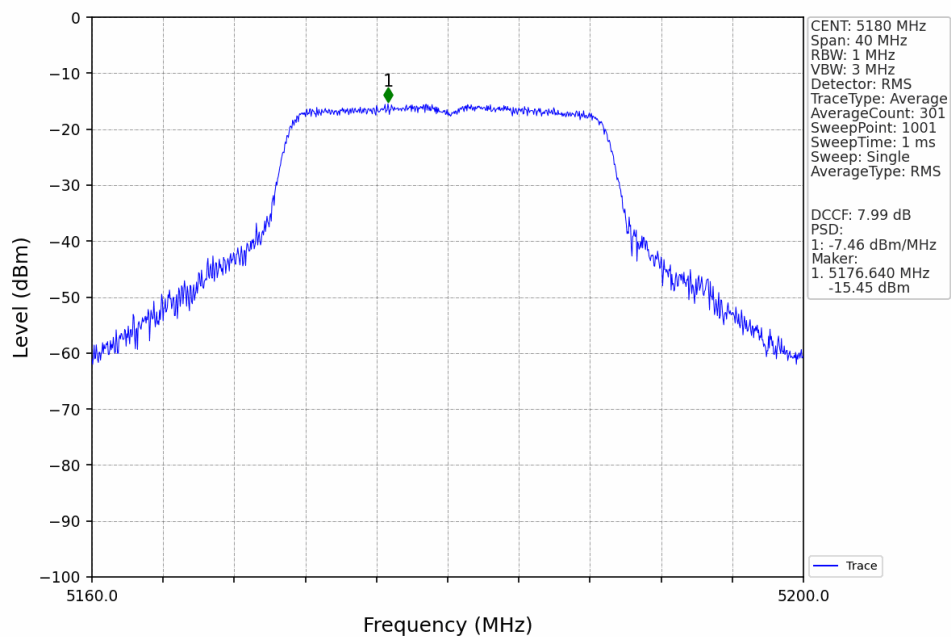
4.2.1 PSD



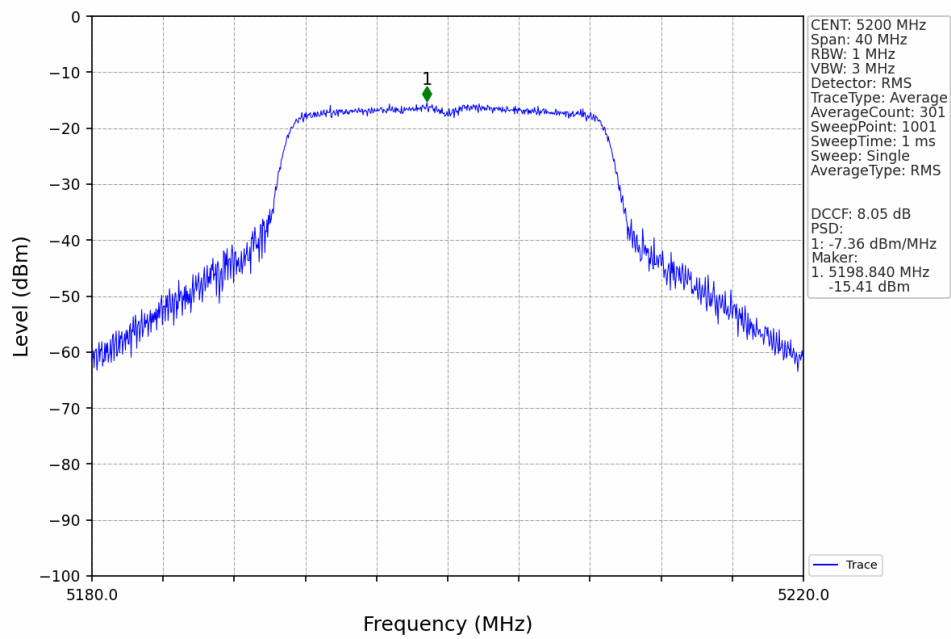
802.11a_HCH_5240MHz_Ant1_NTNV



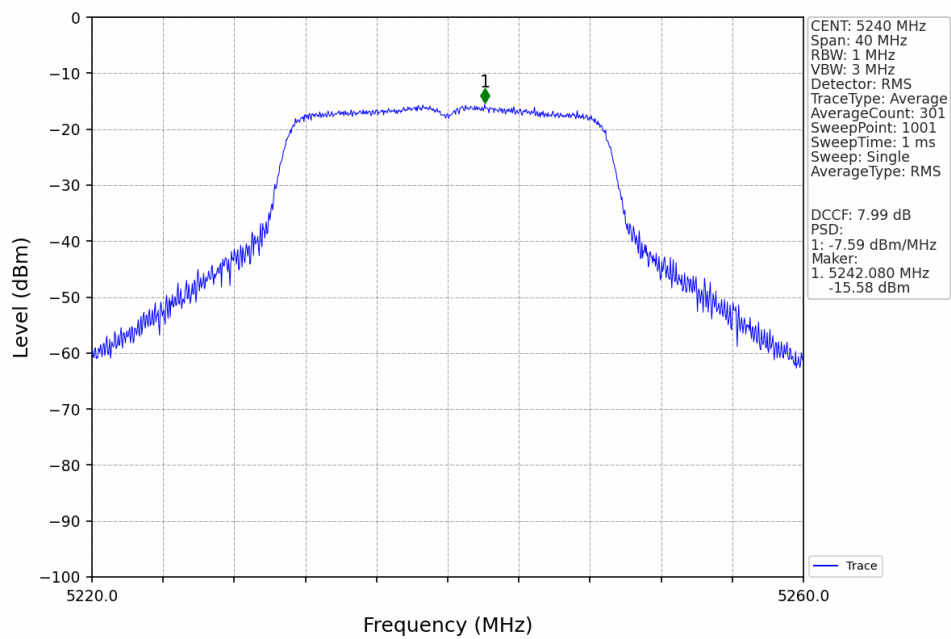
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



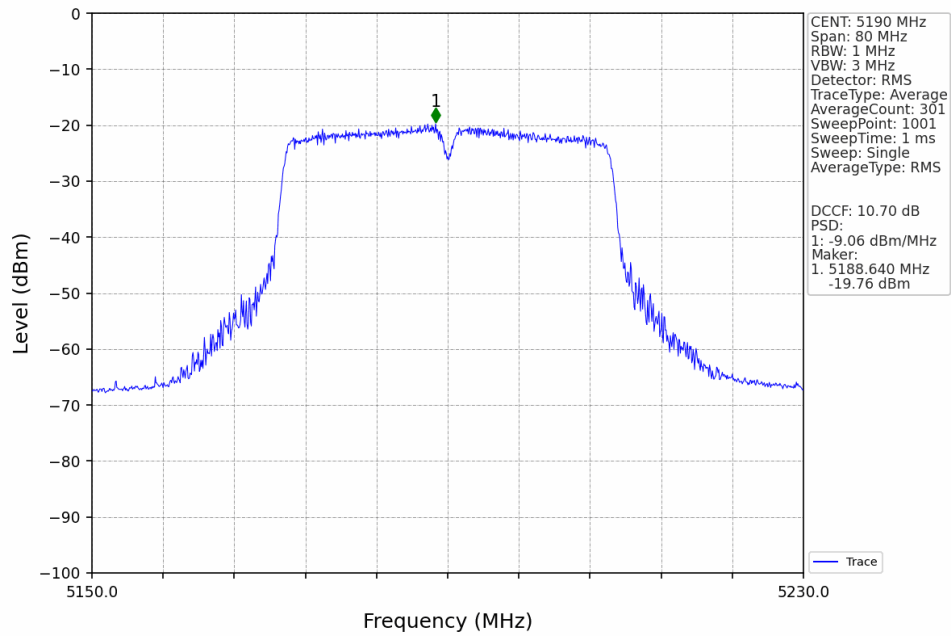
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



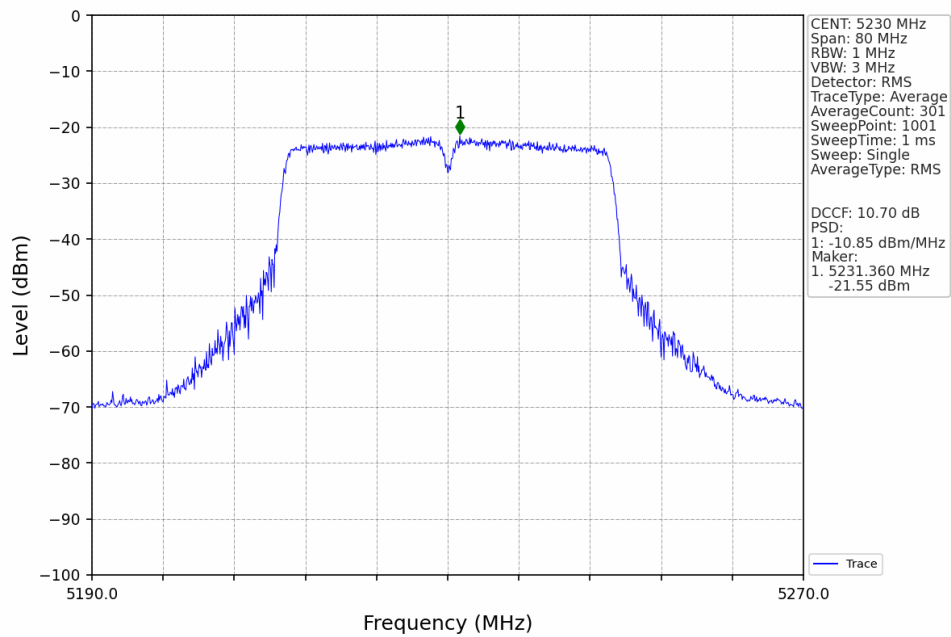
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



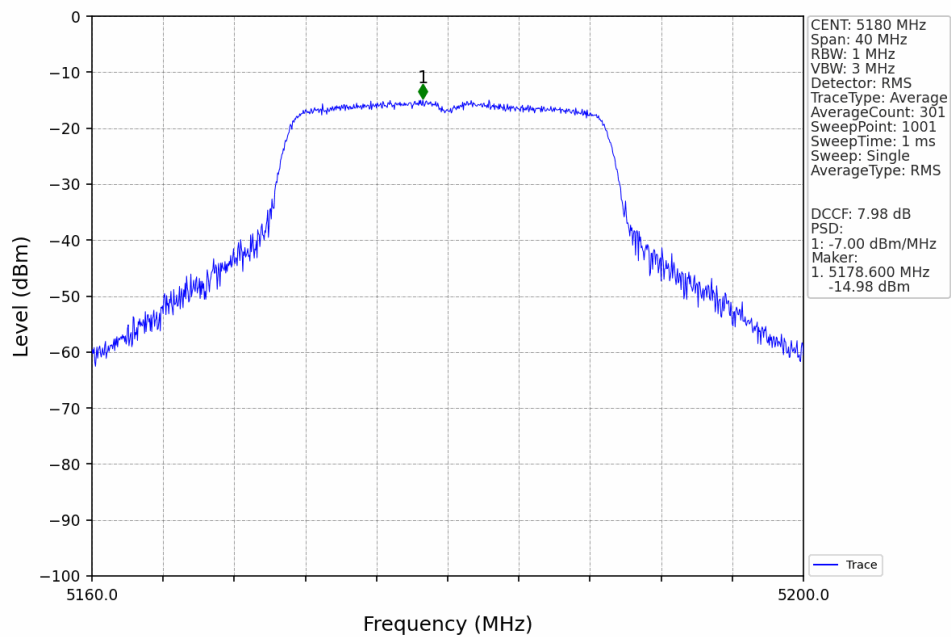
802.11n(HT40) LCH 5190MHz_Ant1_NTNV



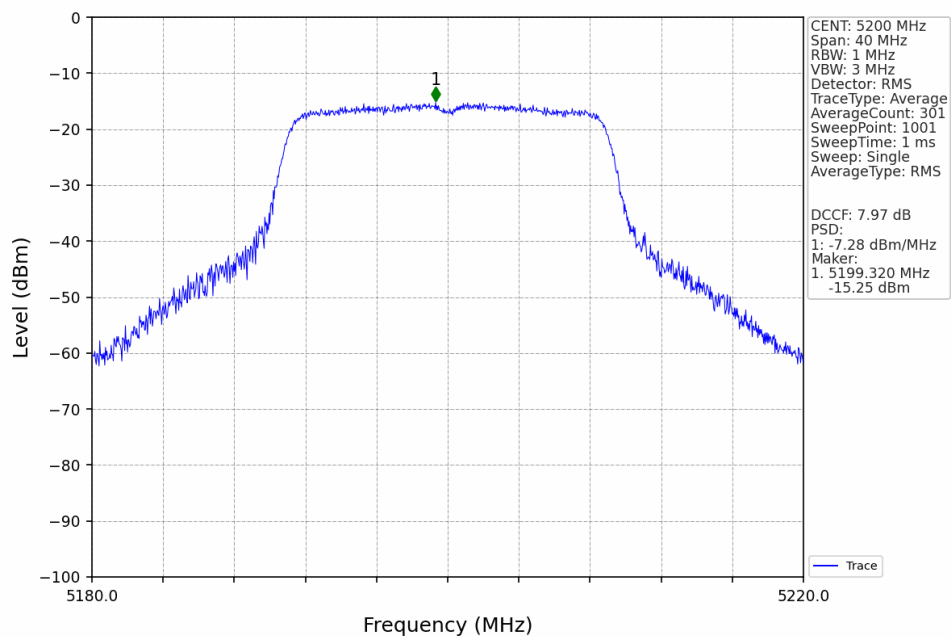
802.11n(HT40) HCH 5230MHz_Ant1_NTNV



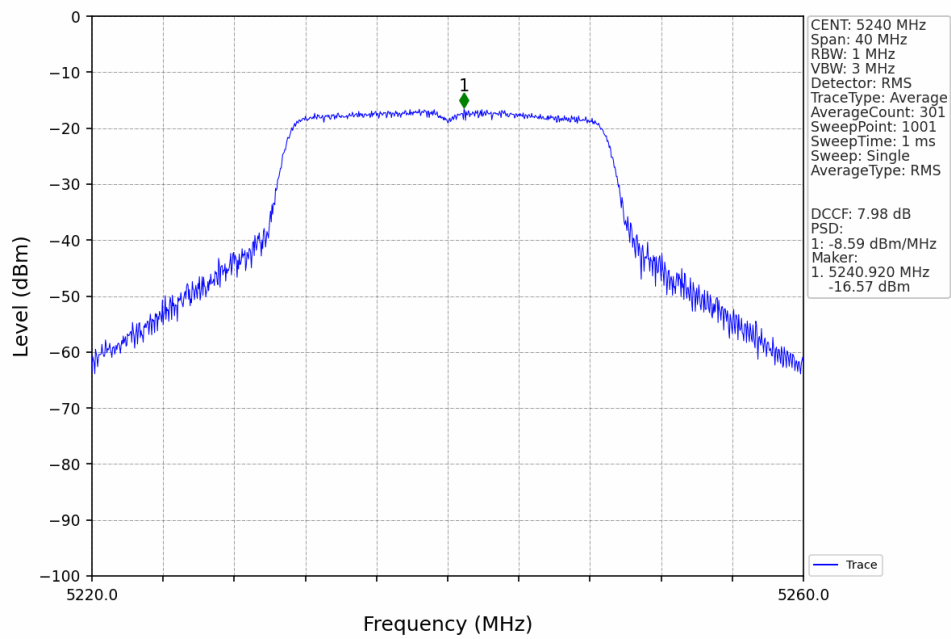
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



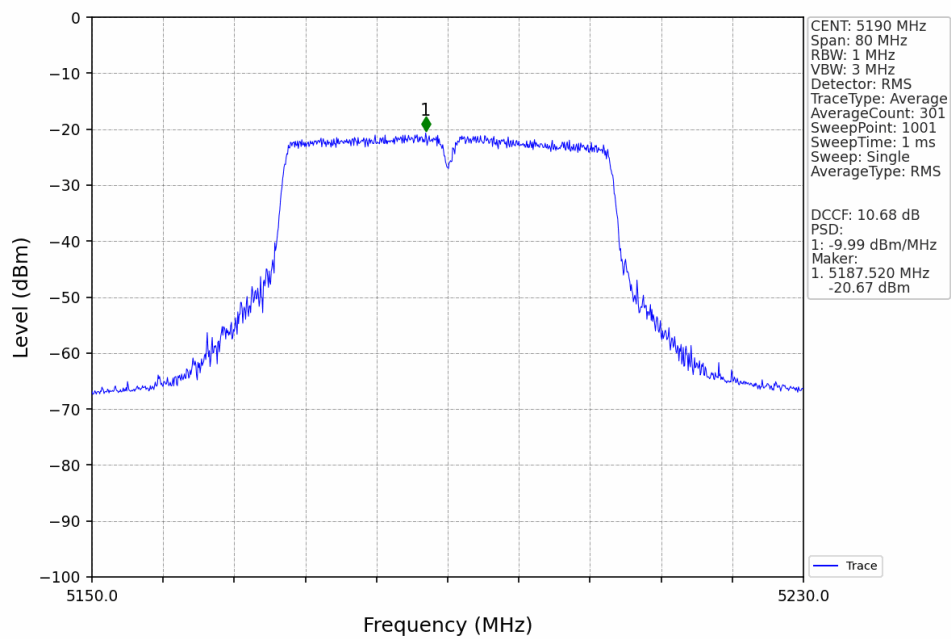
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



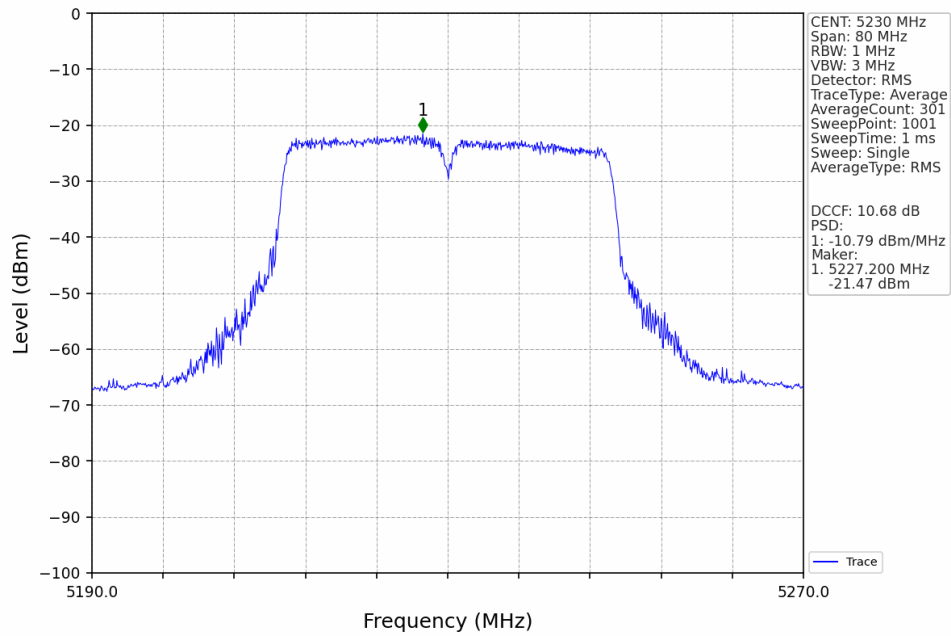
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



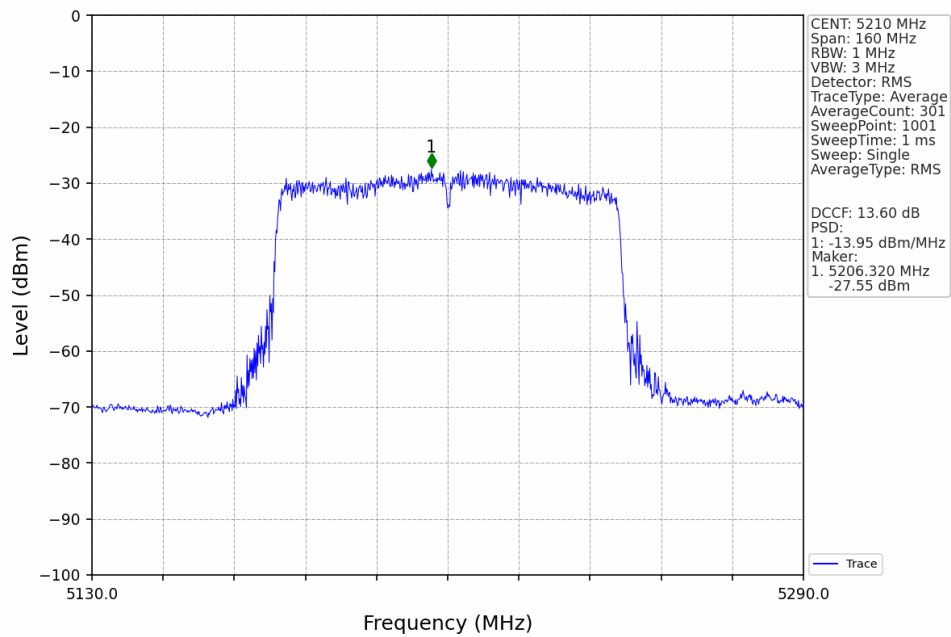
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



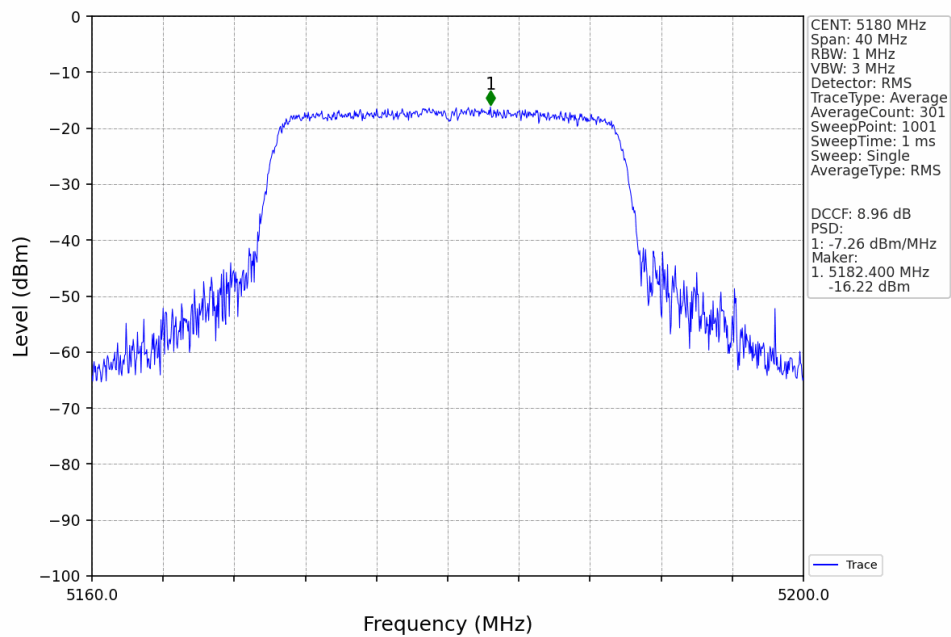
802.11ac(VHT40) HCH 5230MHz_Ant1_NTNV



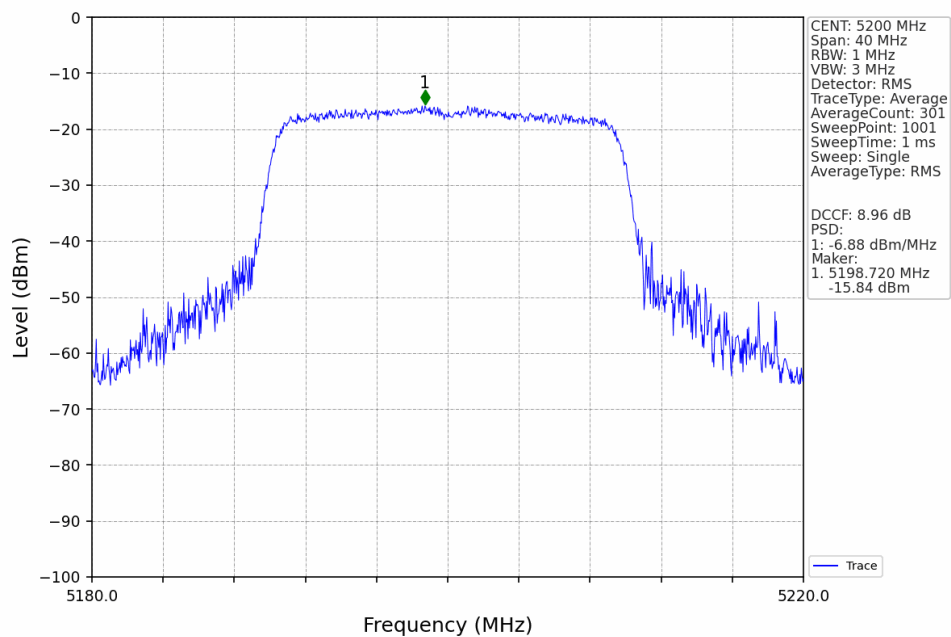
802.11ac(VHT80) MCH 5210MHz_Ant1_NTNV



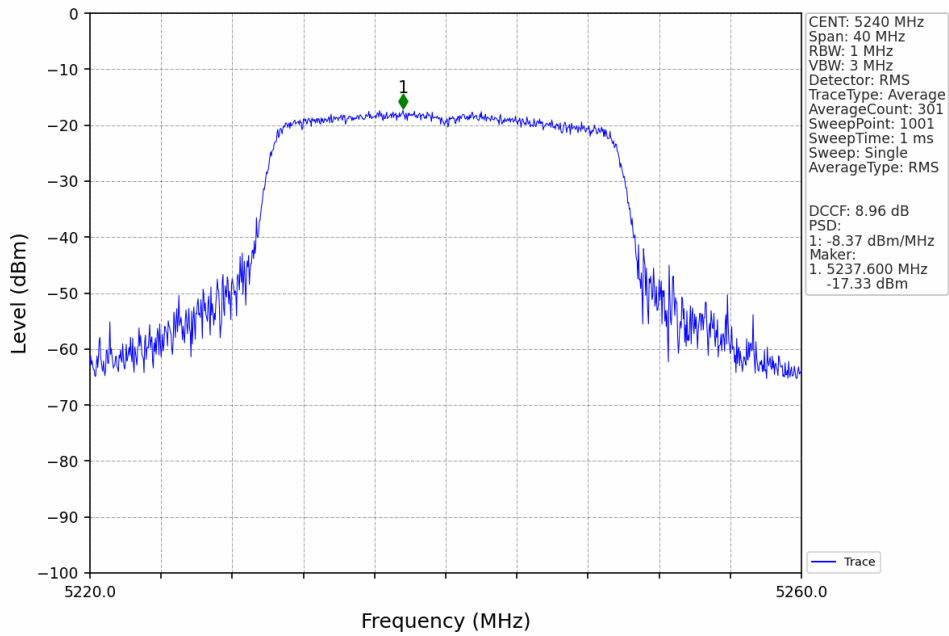
802.11ax(HEW20)_LCH_5180MHz_SU_ / Ant1_NTNV



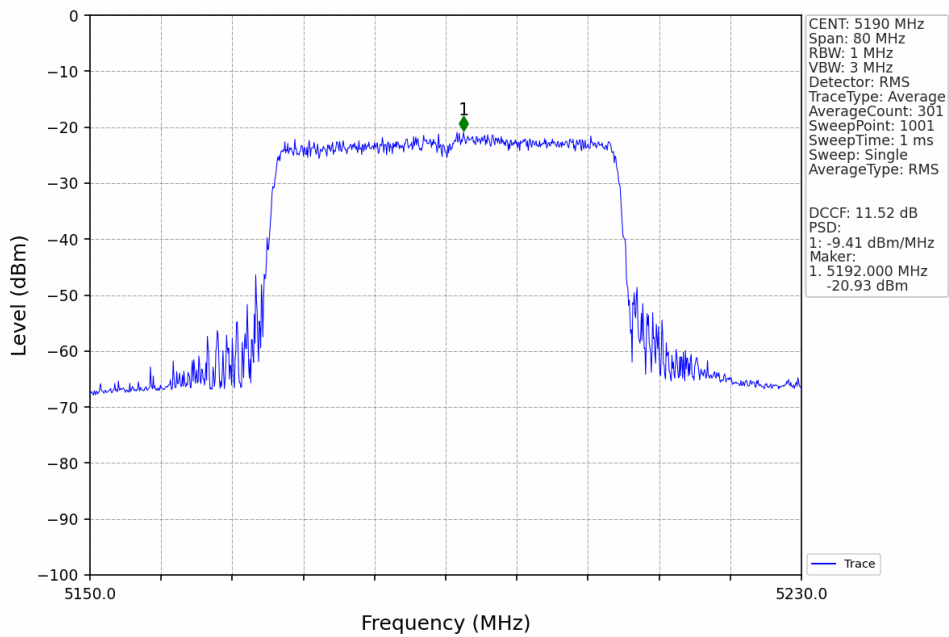
802.11ax(HEW20)_MCH_5200MHz_SU_ / Ant1_NTNV



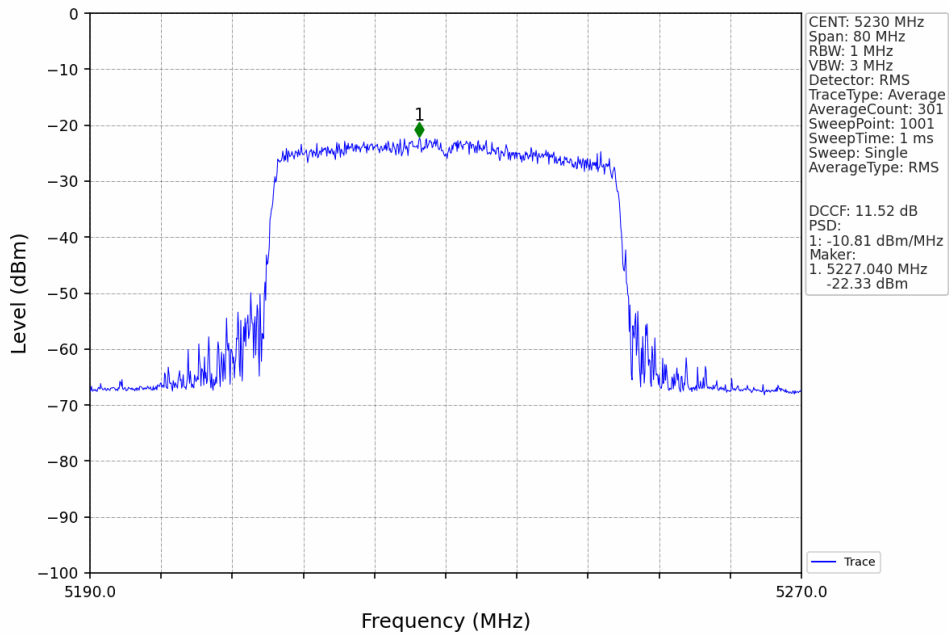
802.11ax(HEW20)_HCH_5240MHz_SU_ / Ant1_NTNV



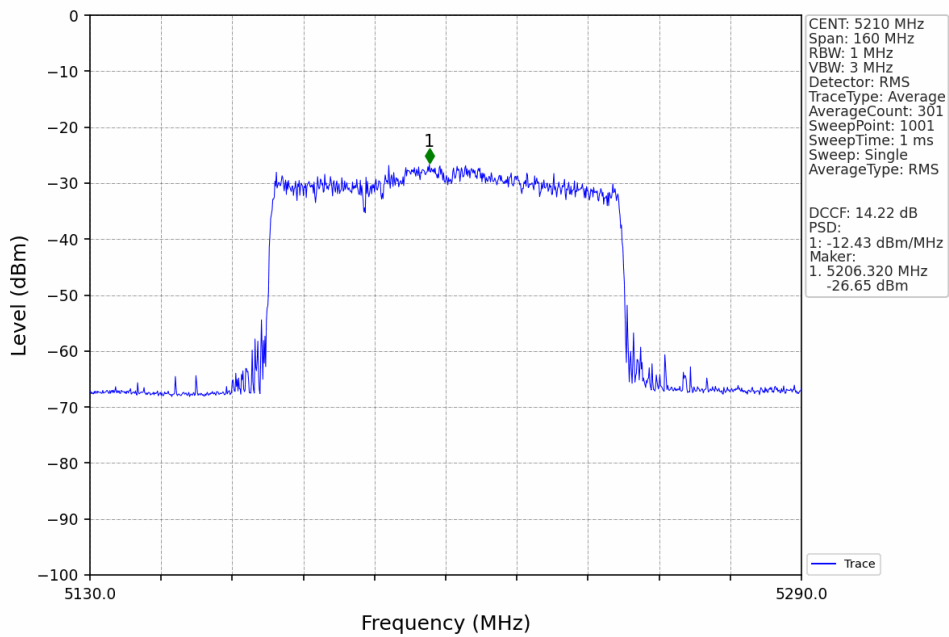
802.11ax(HEW40)_LCH_5190MHz_SU_ / Ant1_NTNV



802.11ax(HEW40)_HCH_5230MHz_SU / Ant1_NTNV



802.11ax(HEW80)_MCH_5210MHz_SU / Ant1_NTNV



5. Unwanted Emissions In Restricted Frequency Bands

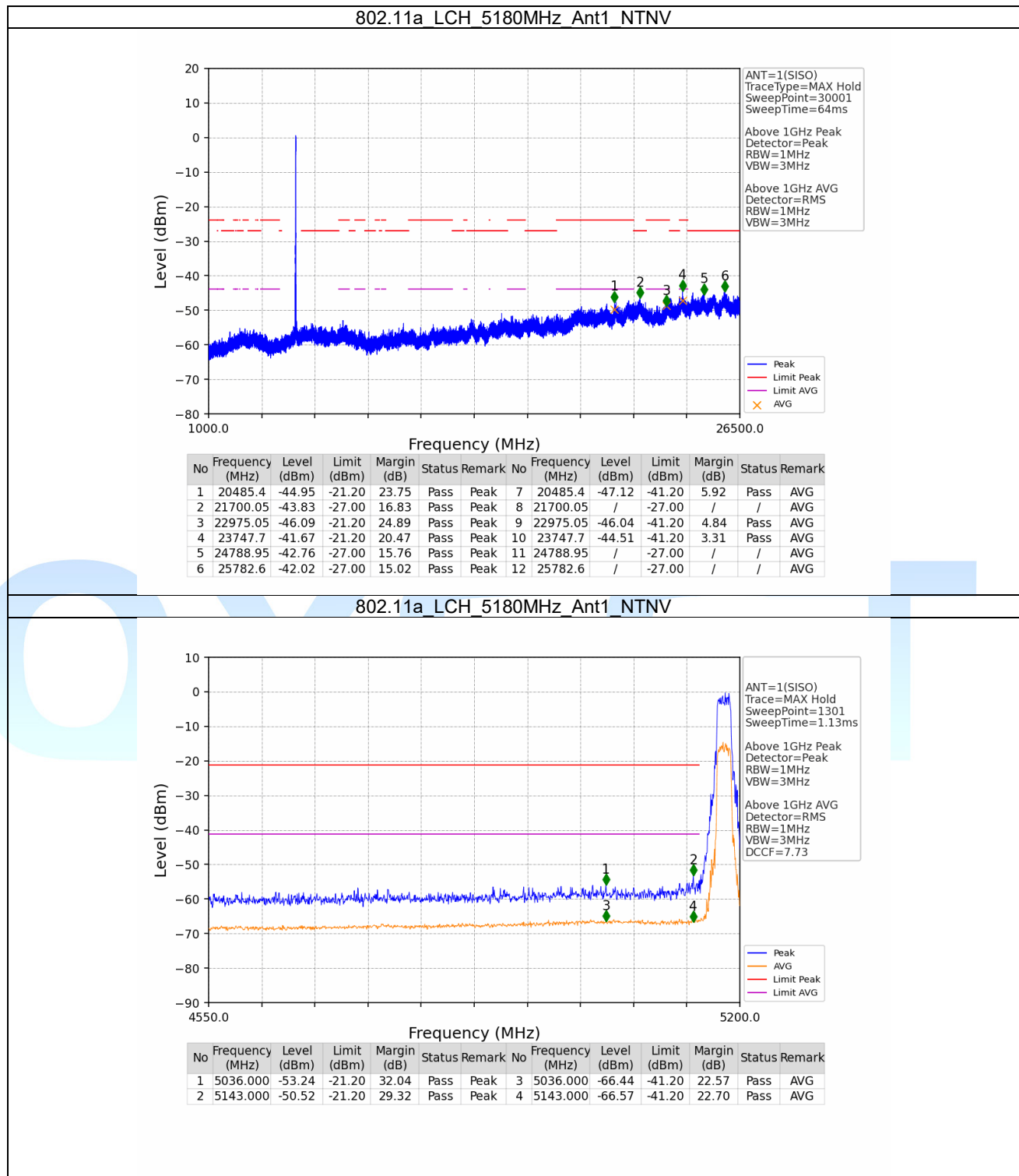
5.1 Test Result

5.1.1 RSE

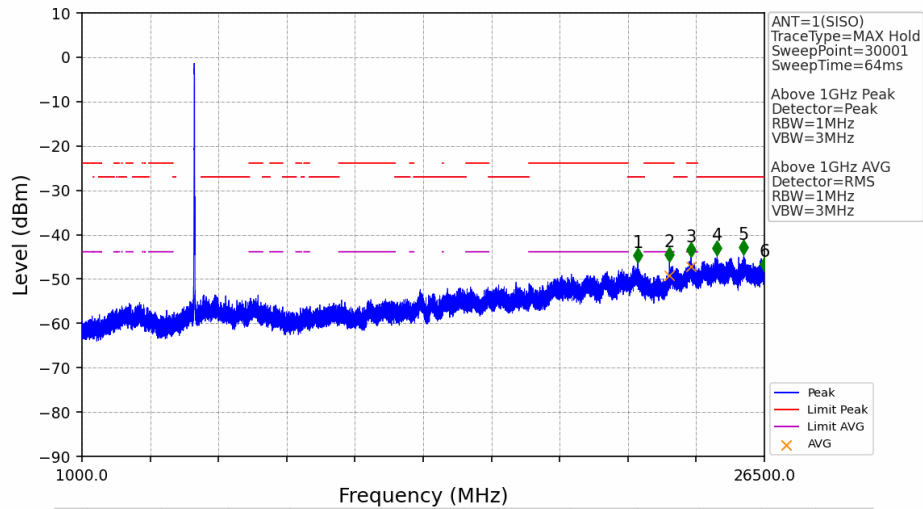
Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	Level of Unwanted Emissions (dBm)		Verdict
						Result	Limit	
802.11a	SISO	5180	/	/	1	Refer To Test Graph		Pass
		5200	/	/	1	Refer To Test Graph		Pass
		5240	/	/	1	Refer To Test Graph		Pass
802.11n (HT20)	SISO	5180	/	/	1	Refer To Test Graph		Pass
		5200	/	/	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
Note1: level contains DCCF and antenna gain								
Note2: Margin=Limit- level								

5.2 Test Graph

5.2.1 RSE

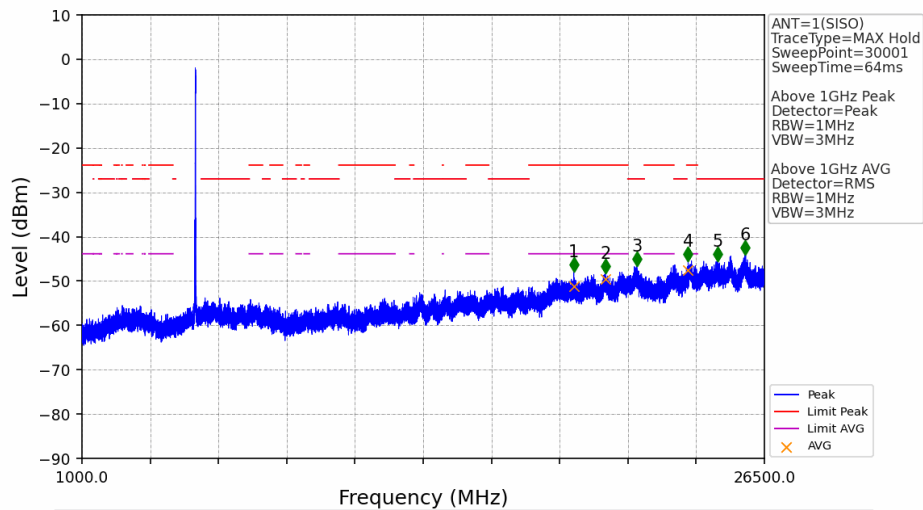


802.11a_MCH_5200MHz_Ant1_NTNV



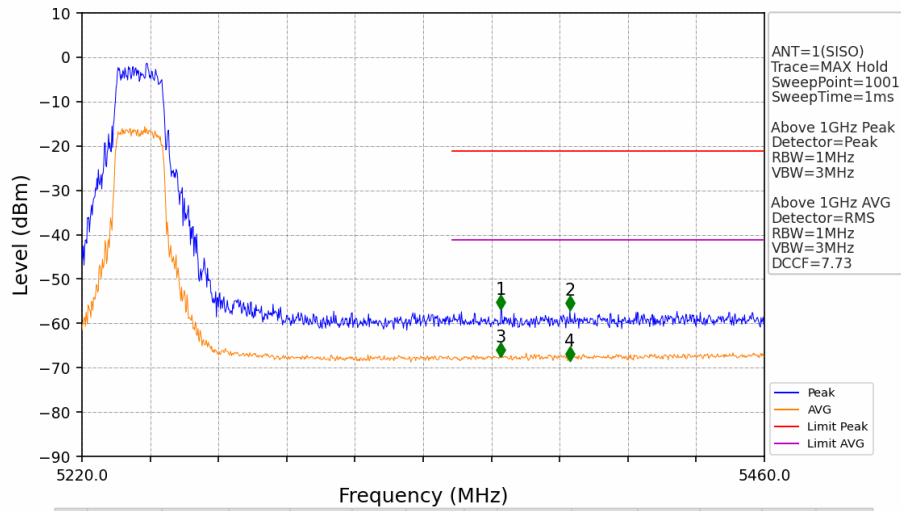
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	21769.75	-43.63	-27.00	16.63	Pass	Peak	7	21769.75	/	-27.00	/	/	AVG
2	22952.1	-43.30	-21.20	22.10	Pass	Peak	8	22952.1	-46.57	-41.20	5.37	Pass	AVG
3	23757.05	-42.23	-21.20	21.03	Pass	Peak	9	23757.05	-44.48	-41.20	3.28	Pass	AVG
4	24735.4	-41.87	-27.00	14.87	Pass	Peak	10	24735.4	/	-27.00	/	/	AVG
5	25729.9	-41.68	-27.00	14.68	Pass	Peak	11	25729.9	/	-27.00	/	/	AVG
6	26495.75	-45.58	-27.00	18.58	Pass	Peak	12	26495.75	/	-27.00	/	/	AVG

802.11a_HCH_5240MHz_Ant1_NTNV



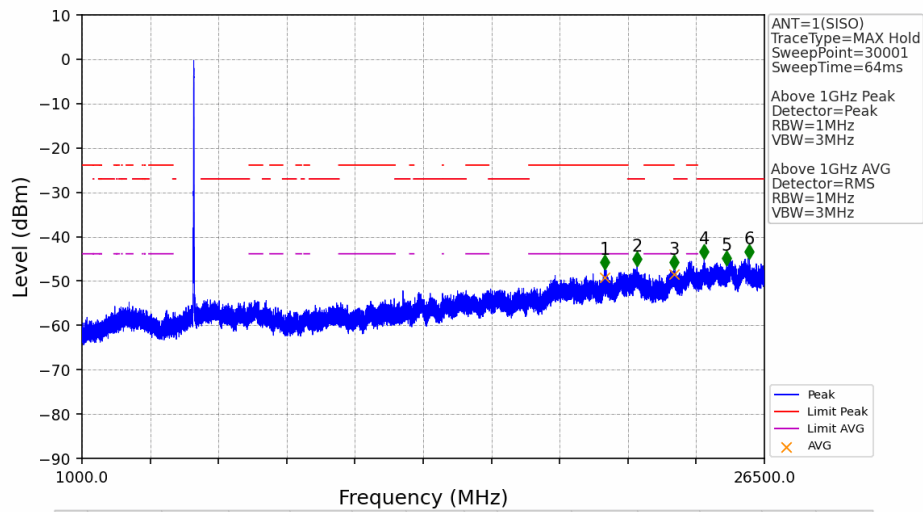
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	19377	-45.16	-21.20	23.96	Pass	Peak	7	19377	-48.45	-41.20	7.25	Pass	AVG
2	20555.95	-45.64	-21.20	24.44	Pass	Peak	8	20555.95	-46.86	-41.20	5.66	Pass	AVG
3	21733.2	-43.84	-27.00	16.84	Pass	Peak	9	21733.2	/	-27.00	/	/	AVG
4	23649.95	-42.77	-21.20	21.57	Pass	Peak	10	23649.95	-44.92	-41.20	3.72	Pass	AVG
5	24740.5	-42.91	-27.00	15.91	Pass	Peak	11	24740.5	/	-27.00	/	/	AVG
6	25777.5	-41.42	-27.00	14.42	Pass	Peak	12	25777.5	/	-27.00	/	/	AVG

802.11a_HCH_5240MHz_Ant1_NTNV



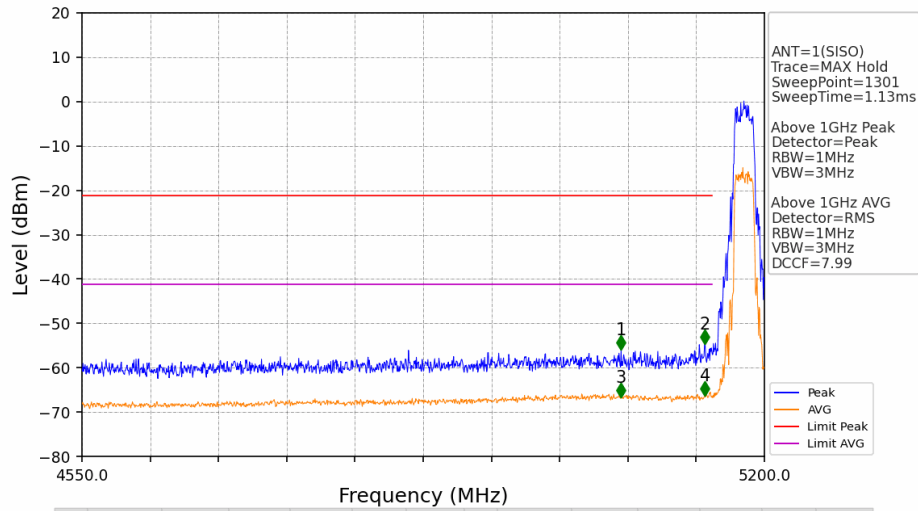
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5367.360	-54.10	-21.20	32.90	Pass	Peak	3	5367.360	-67.60	-41.20	23.73	Pass	AVG
2	5391.600	-54.34	-21.20	33.13	Pass	Peak	4	5391.600	-68.38	-41.20	24.50	Pass	AVG

802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



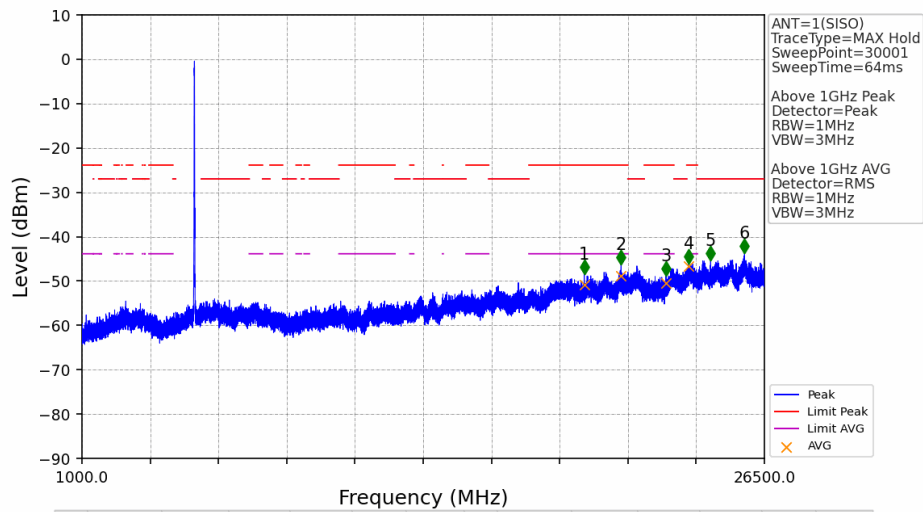
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	20530.45	-44.68	-21.20	23.48	Pass	Peak	7	20530.45	-46.50	-41.20	5.30	Pass	AVG
2	21741.7	-43.91	-27.00	16.91	Pass	Peak	8	21741.7	/	-27.00	/	/	AVG
3	23115.3	-44.57	-21.20	23.37	Pass	Peak	9	23115.3	-45.76	-41.20	4.56	Pass	AVG
4	24249.2	-42.35	-27.00	15.35	Pass	Peak	10	24249.2	/	-27.00	/	/	AVG
5	25091.55	-43.69	-27.00	16.69	Pass	Peak	11	25091.55	/	-27.00	/	/	AVG
6	25938.15	-42.27	-27.00	15.27	Pass	Peak	12	25938.15	/	-27.00	/	/	AVG

802.11n(HT20) LCH_5180MHz_Ant1_NTNV



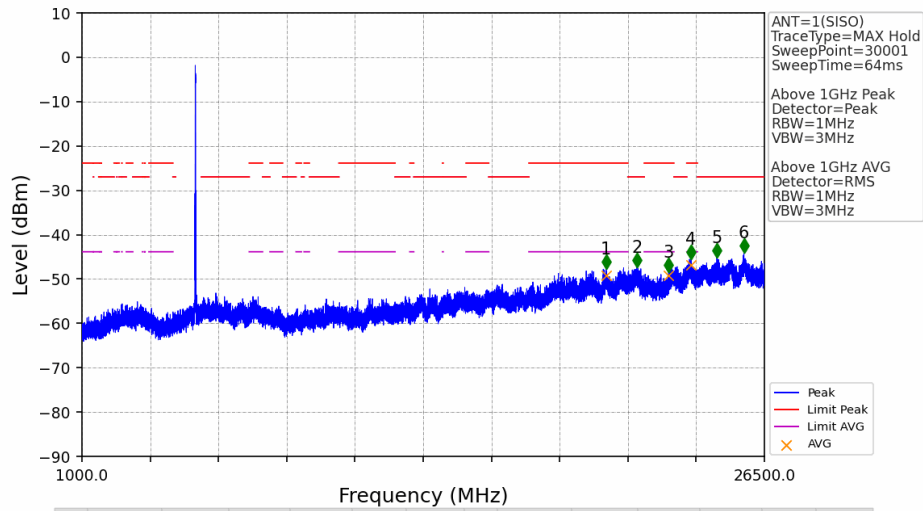
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5063.500	-53.24	-21.20	32.05	Pass	Peak	3	5063.500	-66.72	-41.20	22.85	Pass	AVG
2	5143.500	-51.93	-21.20	30.73	Pass	Peak	4	5143.500	-66.25	-41.20	22.38	Pass	AVG

802.11n(HT20) MCH_5200MHz_Ant1_NTNV



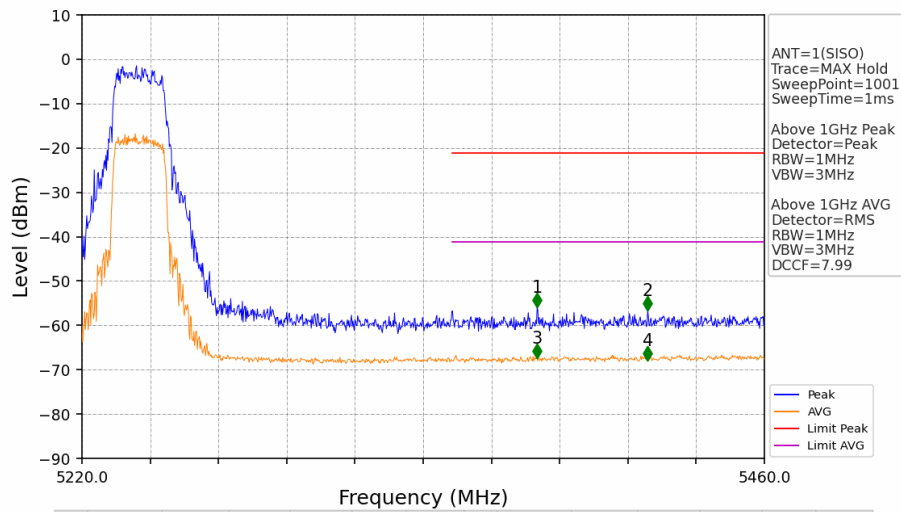
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	19768.85	-45.71	-21.20	24.51	Pass	Peak	7	19768.85	-48.22	-41.20	7.02	Pass	AVG
2	21145	-43.64	-21.20	22.44	Pass	Peak	8	21145	-46.08	-41.20	4.88	Pass	AVG
3	22822.9	-46.15	-21.20	24.95	Pass	Peak	9	22822.9	-47.79	-41.20	6.59	Pass	AVG
4	23673.75	-43.44	-21.20	22.24	Pass	Peak	10	23673.75	-44.00	-41.20	2.80	Pass	AVG
5	24489.75	-42.65	-27.00	15.65	Pass	Peak	11	24489.75	/	-27.00	/	/	AVG
6	25757.1	-41.01	-27.00	14.01	Pass	Peak	12	25757.1	/	-27.00	/	/	AVG

802.11n(HT20) HCH 5240MHz_Ant1_NTNV



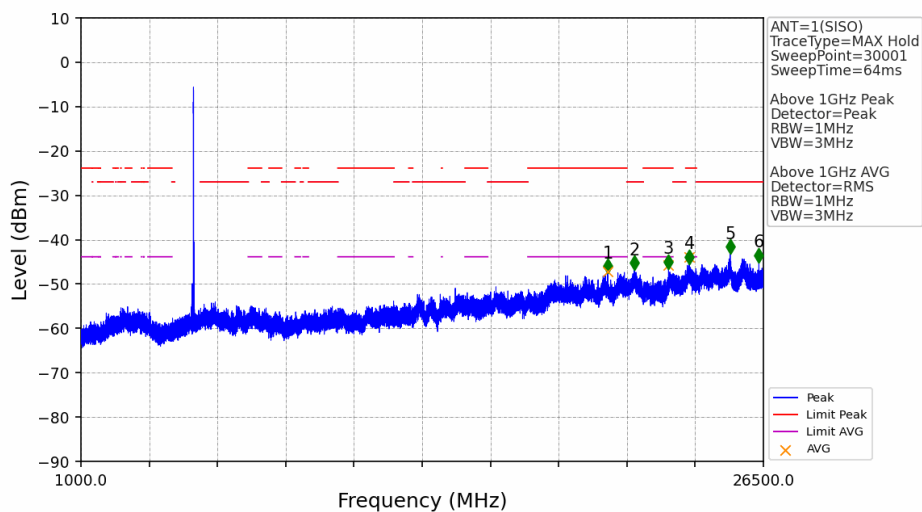
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	20582.3	-44.94	-21.20	23.74	Pass	Peak	7	20582.3	-46.55	-41.20	5.36	Pass	AVG
2	21727.25	-44.65	-27.00	17.64	Pass	Peak	8	21727.25	/	-27.00	/	/	AVG
3	22922.35	-45.67	-21.20	24.47	Pass	Peak	9	22922.35	-46.47	-41.20	5.27	Pass	AVG
4	23759.6	-42.84	-21.20	21.64	Pass	Peak	10	23759.6	-44.10	-41.20	2.90	Pass	AVG
5	24724.35	-42.54	-27.00	15.54	Pass	Peak	11	24724.35	/	-27.00	/	/	AVG
6	25733.3	-41.37	-27.00	14.37	Pass	Peak	12	25733.3	/	-27.00	/	/	AVG

802.11n(HT20) HCH 5240MHz_Ant1_NTNV

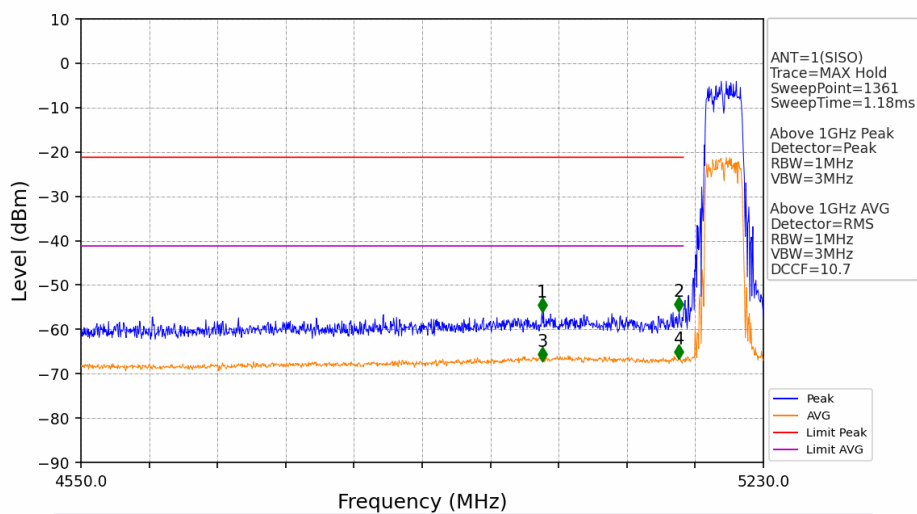


No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5380.080	-53.24	-21.20	32.04	Pass	Peak	3	5380.080	-67.34	-41.20	23.47	Pass	AVG
2	5418.960	-53.93	-21.20	32.73	Pass	Peak	4	5418.960	-67.91	-41.20	24.04	Pass	AVG

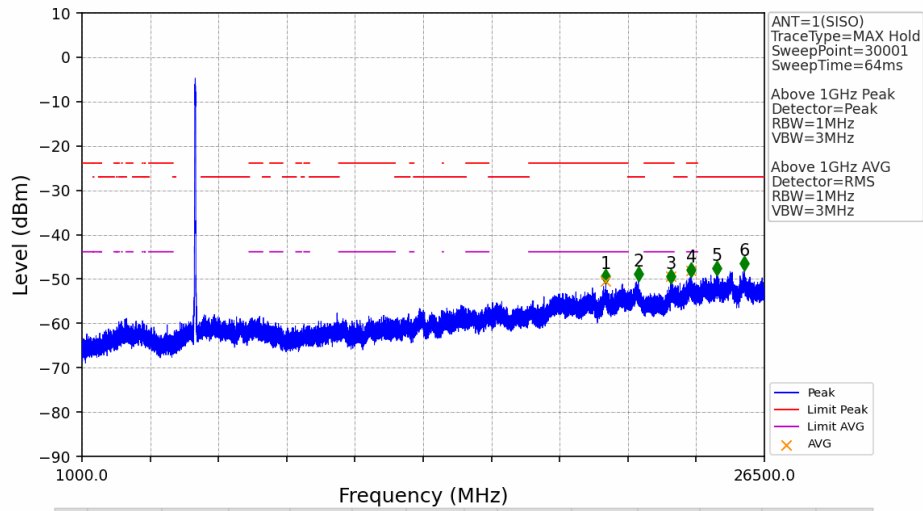
802.11n(HT40) LCH_5190MHz_Ant1_NTNV



802.11n(HT40) LCH_5190MHz_Ant1_NTNV

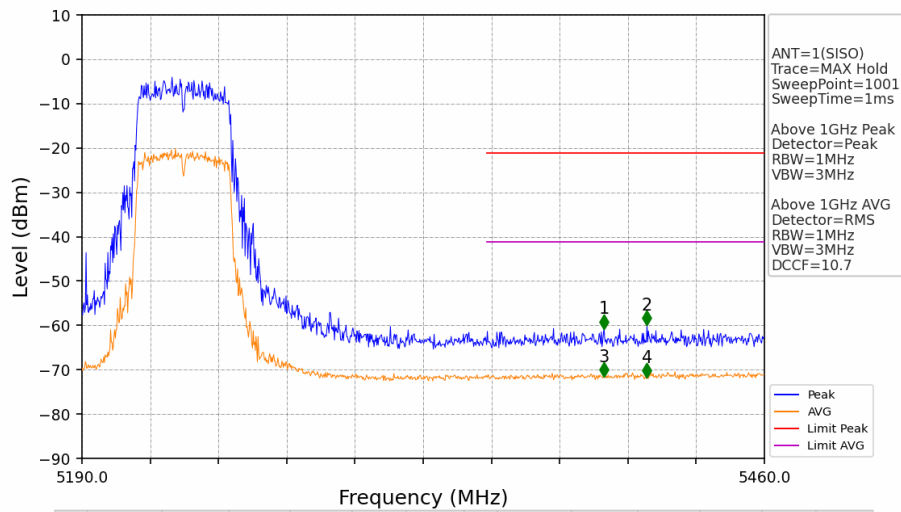


802.11n(HT40) HCH 5230MHz_Ant1_NTNV



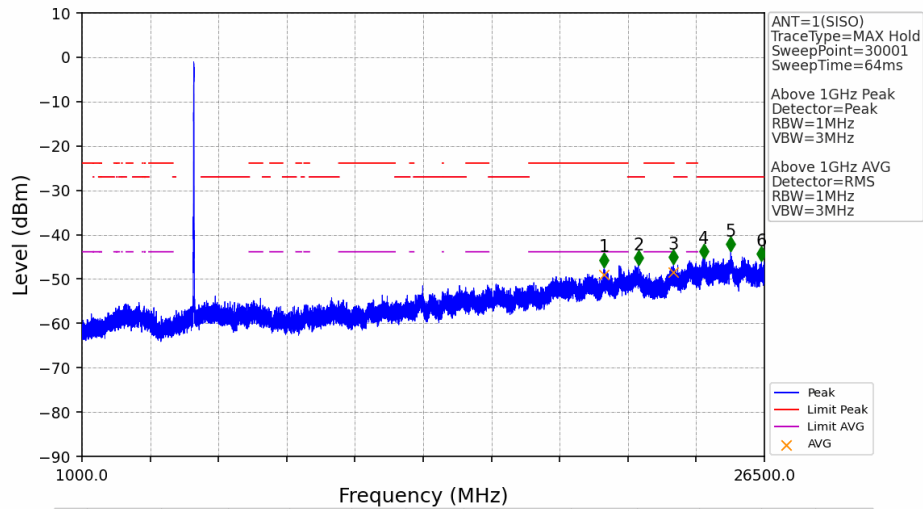
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	20575.5	-48.28	-21.20	27.08	Pass	Peak	7	20575.5	-47.79	-41.20	6.59	Pass	AVG
2	21790.15	-47.79	-27.00	20.79	Pass	Peak	8	21790.15	/	-27.00	/	/	AVG
3	22998.85	-48.35	-21.20	27.15	Pass	Peak	9	22998.85	-46.76	-41.20	5.56	Pass	AVG
4	23770.65	-46.78	-21.20	25.58	Pass	Peak	10	23770.65	-45.38	-41.20	4.18	Pass	AVG
5	24723.5	-46.48	-27.00	19.48	Pass	Peak	11	24723.5	/	-27.00	/	/	AVG
6	25755.4	-45.38	-27.00	18.38	Pass	Peak	12	25755.4	/	-27.00	/	/	AVG

802.11n(HT40) HCH 5230MHz_Ant1_NTNV



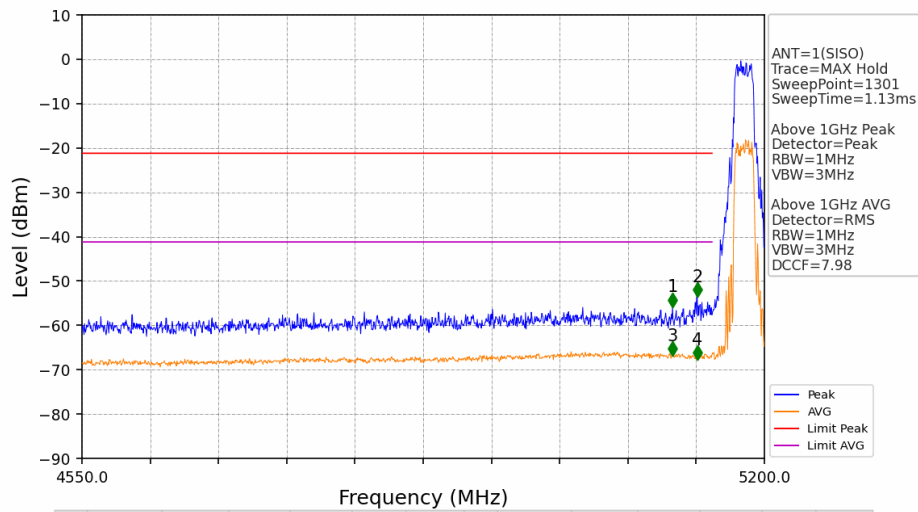
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5396.550	-58.04	-21.20	36.84	Pass	Peak	3	5396.550	-71.48	-41.20	27.61	Pass	AVG
2	5413.560	-57.30	-21.20	36.10	Pass	Peak	4	5413.560	-71.75	-41.20	27.88	Pass	AVG

802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



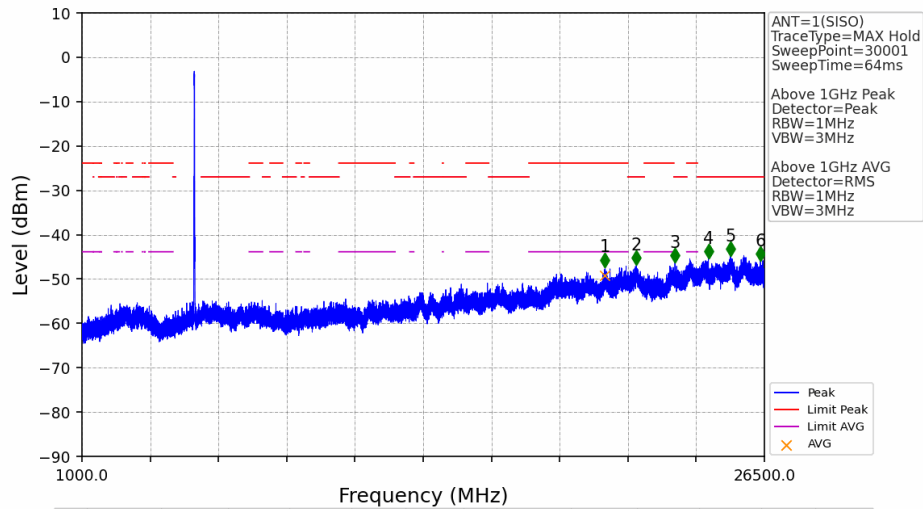
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	20514.3	-44.56	-21.20	23.36	Pass	Peak	7	20514.3	-46.40	-41.20	5.20	Pass	AVG
2	21789.3	-44.07	-27.00	17.07	Pass	Peak	8	21789.3	/	-27.00	/	/	AVG
3	23105.1	-43.99	-21.20	22.79	Pass	Peak	9	23105.1	-45.78	-41.20	4.58	Pass	AVG
4	24242.4	-42.59	-27.00	15.59	Pass	Peak	10	24242.4	/	-27.00	/	/	AVG
5	25242.85	-41.07	-27.00	14.07	Pass	Peak	11	25242.85	/	-27.00	/	/	AVG
6	26392.05	-43.24	-27.00	16.24	Pass	Peak	12	26392.05	/	-27.00	/	/	AVG

802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



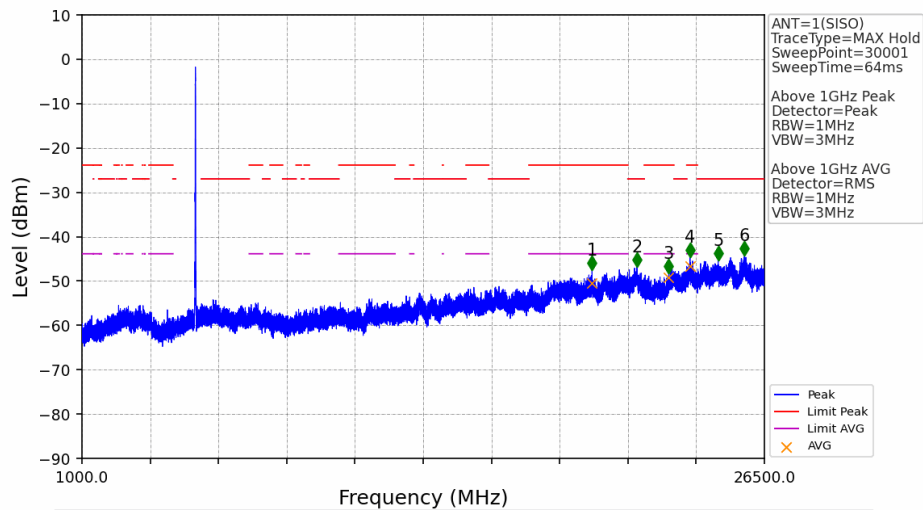
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5112.500	-53.12	-21.20	31.92	Pass	Peak	3	5112.500	-66.89	-41.20	23.02	Pass	AVG
2	5136.000	-50.91	-21.20	29.71	Pass	Peak	4	5136.000	-67.71	-41.20	23.84	Pass	AVG

802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



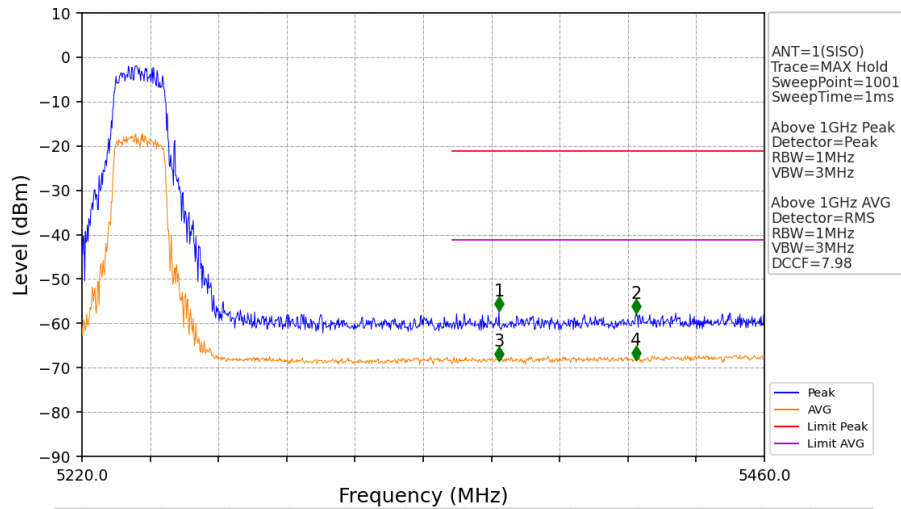
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	20546.6	-44.56	-21.20	23.36	Pass	Peak	7	20546.6	-46.58	-41.20	5.38	Pass	AVG
2	21719.6	-44.13	-27.00	17.13	Pass	Peak	8	21719.6	/	-27.00	/	/	AVG
3	23158.65	-43.57	-27.00	16.57	Pass	Peak	9	23158.65	/	-27.00	/	/	AVG
4	24406.45	-42.61	-27.00	15.61	Pass	Peak	10	24406.45	/	-27.00	/	/	AVG
5	25232.65	-42.02	-27.00	15.02	Pass	Peak	11	25232.65	/	-27.00	/	/	AVG
6	26352.1	-43.15	-27.00	16.14	Pass	Peak	12	26352.1	/	-27.00	/	/	AVG

802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



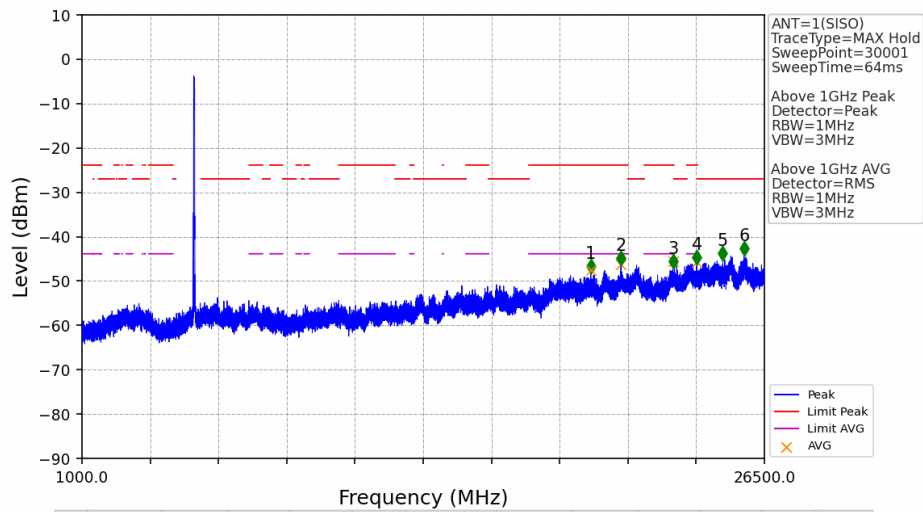
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	20059.55	-44.85	-21.20	23.65	Pass	Peak	7	20059.55	-47.74	-41.20	6.54	Pass	AVG
2	21738.3	-44.16	-27.00	17.16	Pass	Peak	8	21738.3	/	-27.00	/	/	AVG
3	22926.6	-45.61	-21.20	24.41	Pass	Peak	9	22926.6	-46.51	-41.20	5.31	Pass	AVG
4	23720.5	-41.91	-21.20	20.71	Pass	Peak	10	23720.5	-44.06	-41.20	2.86	Pass	AVG
5	24771.1	-42.57	-27.00	15.57	Pass	Peak	11	24771.1	/	-27.00	/	/	AVG
6	25757.1	-41.48	-27.00	14.48	Pass	Peak	12	25757.1	/	-27.00	/	/	AVG

802.11ac(VHT20) HCH 5240MHz Ant1_NTNV



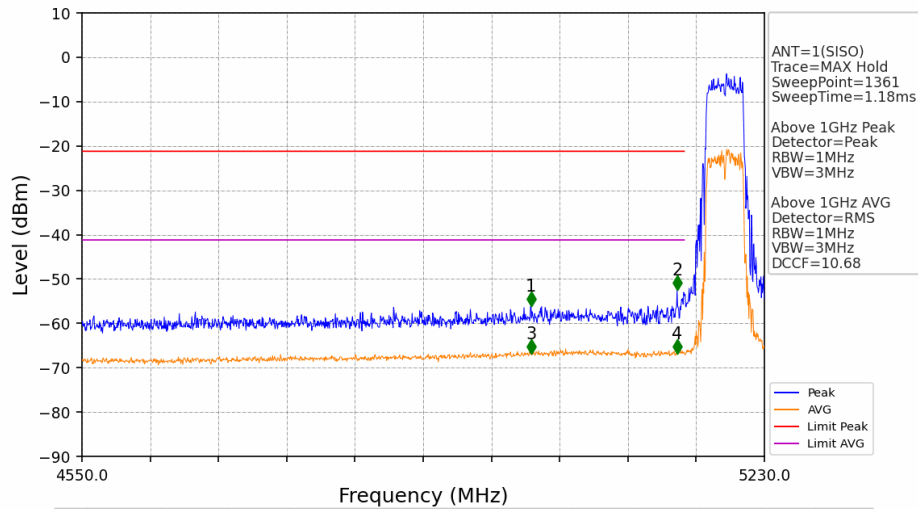
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark
1	5366.640	-54.55	-21.20	33.35	Pass Peak	3	5366.640	-68.49	-41.20	24.62	Pass AVG
2	5414.880	-55.00	-21.20	33.80	Pass Peak	4	5414.880	-68.29	-41.20	24.42	Pass AVG

802.11ac(VHT40) LCH 5190MHz Ant1_NTNV



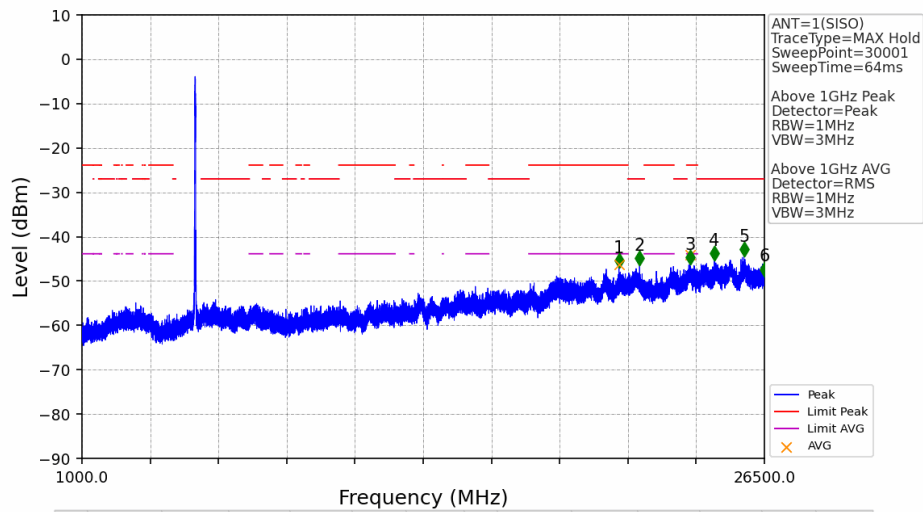
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark
1	20012.8	-45.51	-21.20	24.30	Pass Peak	7	20012.8	-44.91	-41.20	3.71	Pass AVG
2	21139.05	-43.70	-21.20	22.50	Pass Peak	8	21139.05	-43.68	-41.20	2.48	Pass AVG
3	23081.3	-44.46	-21.20	23.26	Pass Peak	9	23081.3	-42.87	-41.20	1.67	Pass AVG
4	23982.3	-43.50	-21.20	22.30	Pass Peak	10	23982.3	-43.13	-41.20	1.93	Pass AVG
5	24947.05	-42.68	-27.00	15.68	Pass Peak	11	24947.05	/	-27.00	/	/ AVG
6	25738.4	-41.60	-27.00	14.60	Pass Peak	12	25738.4	/	-27.00	/	/ AVG

802.11ac(VHT40) LCH_5190MHz_Ant1_NTNV



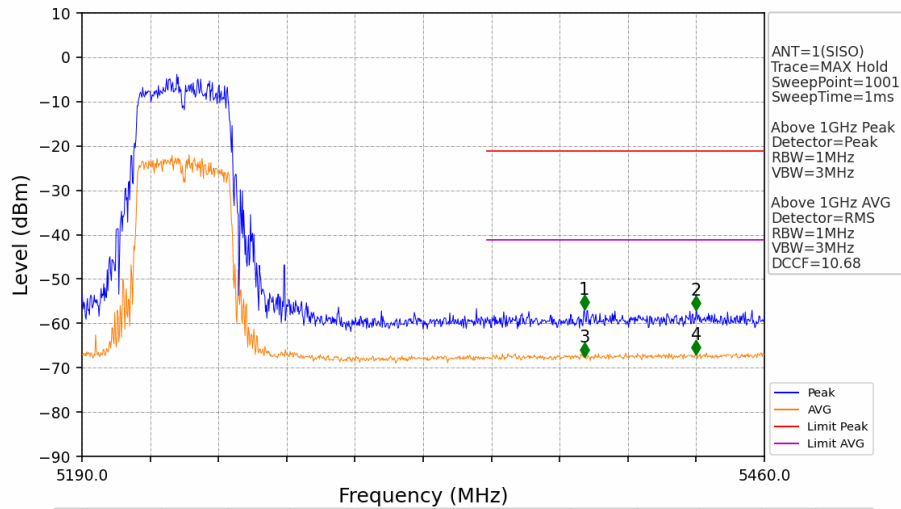
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark
1	4997.500	-53.45	-21.20	32.26	Pass Peak	3	4997.500	-66.90	-41.20	23.03	Pass AVG
2	5143.000	-49.79	-21.20	28.59	Pass Peak	4	5143.000	-66.77	-41.20	22.90	Pass AVG

802.11ac(VHT40) HCH_5230MHz_Ant1_NTNV

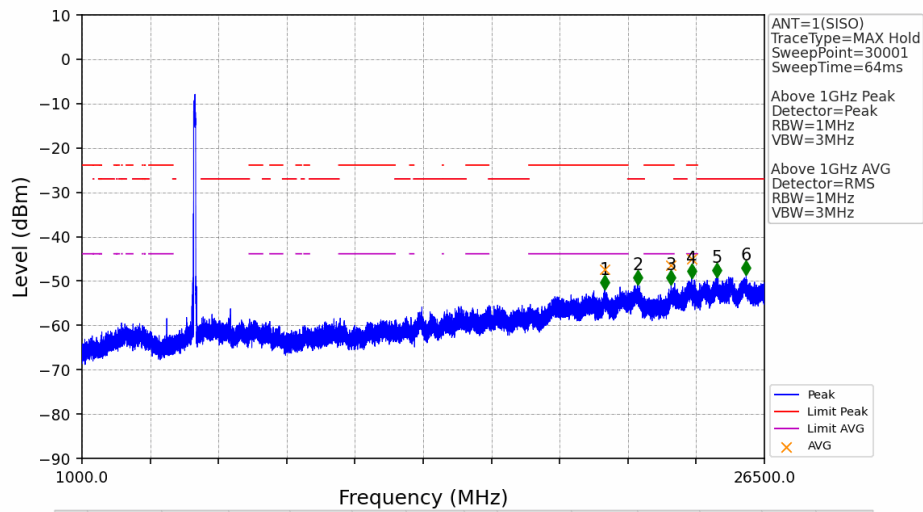


No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark
1	21065.1	-44.30	-21.20	23.10	Pass Peak	7	21065.1	-43.62	-41.20	2.42	Pass AVG
2	21834.35	-43.80	-27.00	16.80	Pass Peak	8	21834.35	/	-27.00	/	/ AVG
3	23713.7	-43.56	-21.20	22.36	Pass Peak	9	23713.7	-41.49	-41.20	0.29	Pass AVG
4	24633.4	-42.73	-27.00	15.73	Pass Peak	10	24633.4	/	-27.00	/	/ AVG
5	25731.6	-41.80	-27.00	14.80	Pass Peak	11	25731.6	/	-27.00	/	/ AVG
6	26499.15	-46.20	-27.00	19.20	Pass Peak	12	26499.15	/	-27.00	/	/ AVG

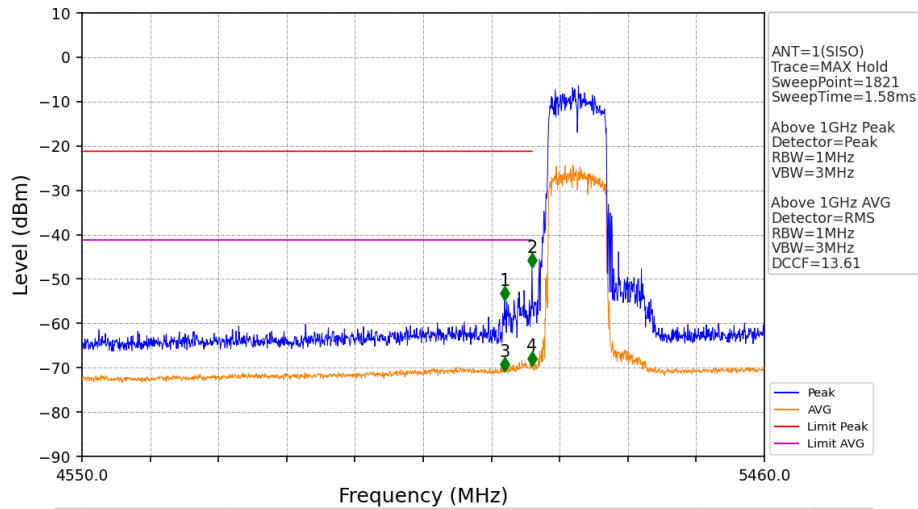
802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV

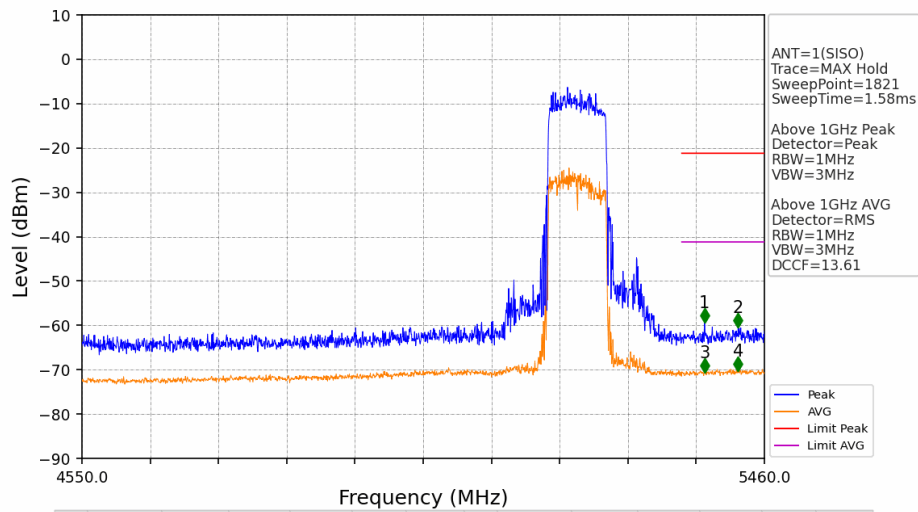


802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



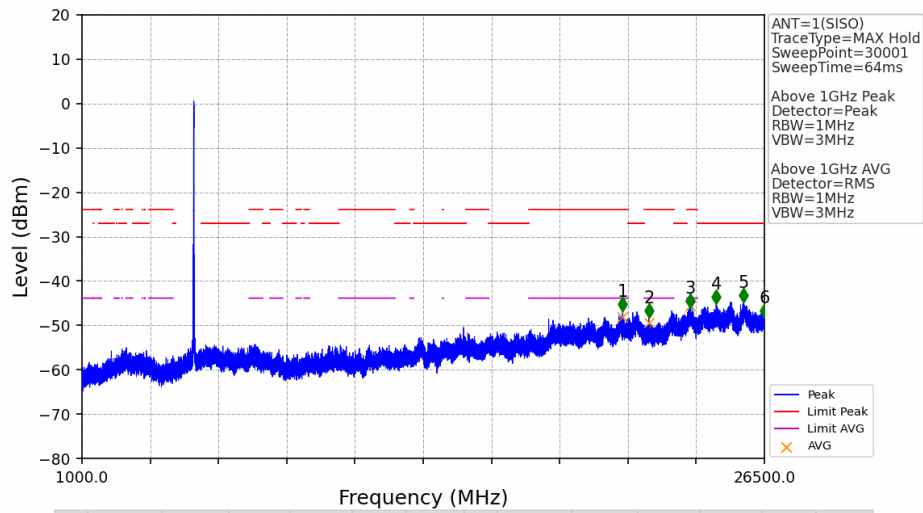
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5113.500	-52.09	-21.20	30.89	Pass	Peak	3	5113.500	-70.75	-41.20	26.88	Pass	AVG
2	5150.000	-44.72	-21.20	23.52	Pass	Peak	4	5150.000	-69.60	-41.20	25.73	Pass	AVG

802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



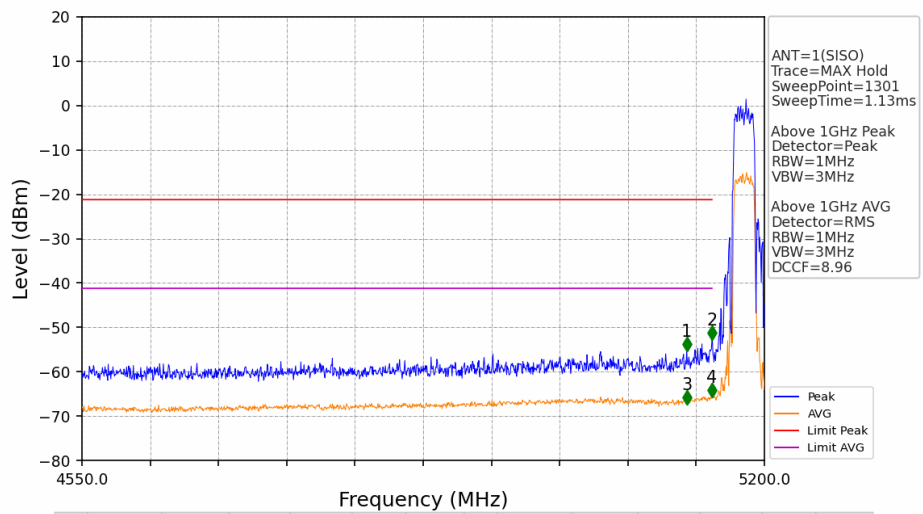
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5380.000	-56.63	-21.20	35.43	Pass	AVG	3	5380.000	-70.61	-41.20	26.73	Pass	AVG
2	5425.000	-57.70	-21.20	36.50	Pass	AVG	4	5425.000	-70.32	-41.20	26.45	Pass	AVG

802.11ax(HEW20)_LCH_5180MHz_SU_ / Ant1_NTNV



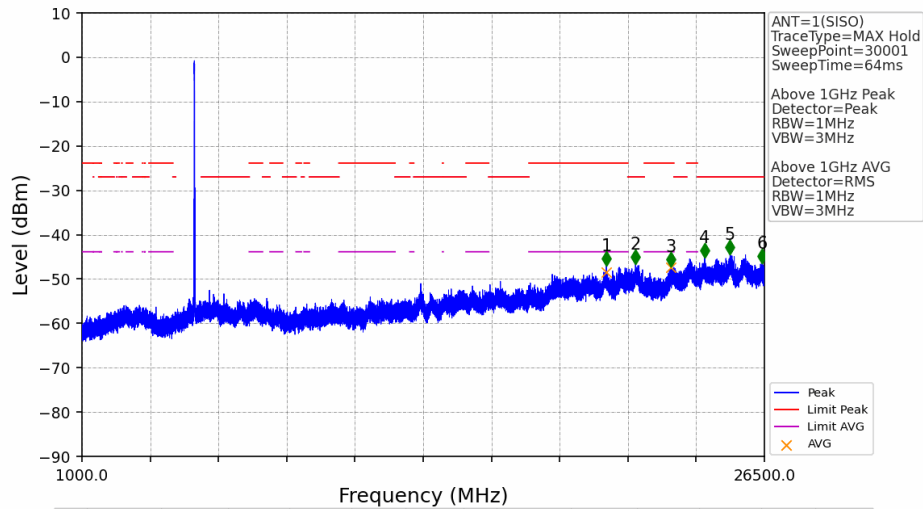
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	21205.35	-44.16	-21.20	22.96	Pass	Peak	7	21205.35	-45.49	-41.20	4.29	Pass	AVG
2	22182.85	-45.56	-21.20	24.36	Pass	Peak	8	22182.85	-46.77	-41.20	5.57	Pass	AVG
3	23734.95	-43.40	-21.20	22.20	Pass	Peak	9	23734.95	-42.88	-41.20	1.68	Pass	AVG
4	24697.15	-42.50	-27.00	15.50	Pass	Peak	10	24697.15	/	-27.00	/	/	AVG
5	25727.35	-42.06	-27.00	15.06	Pass	Peak	11	25727.35	/	-27.00	/	/	AVG
6	26497.45	-45.60	-27.00	18.60	Pass	Peak	12	26497.45	/	-27.00	/	/	AVG

802.11ax(HEW20)_LCH_5180MHz_SU_ / Ant1_NTNV



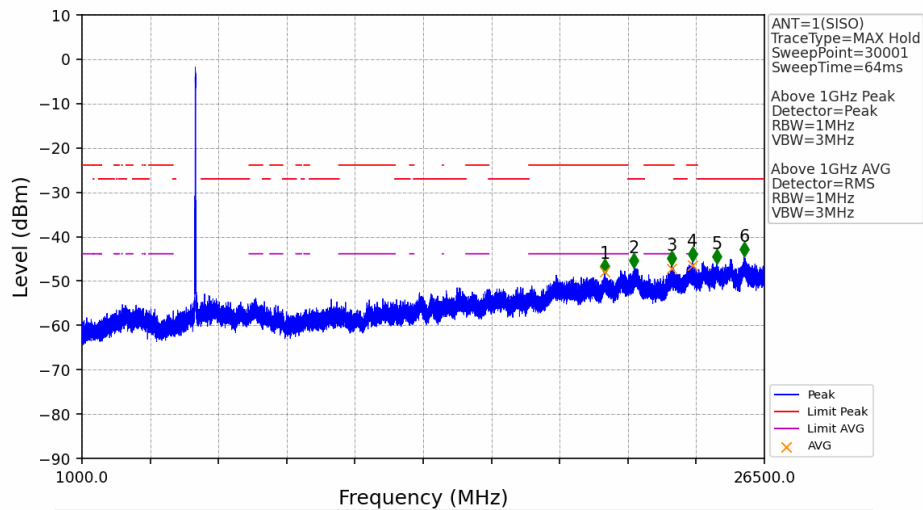
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5126.000	-52.71	-21.20	31.51	Pass	Peak	3	5126.000	-67.30	-41.20	23.43	Pass	AVG
2	5150.000	-50.16	-21.20	28.96	Pass	Peak	4	5150.000	-65.75	-41.20	21.88	Pass	AVG

802.11ax(HEW20)_MCH_5200MHz_SU / Ant1_NTNV



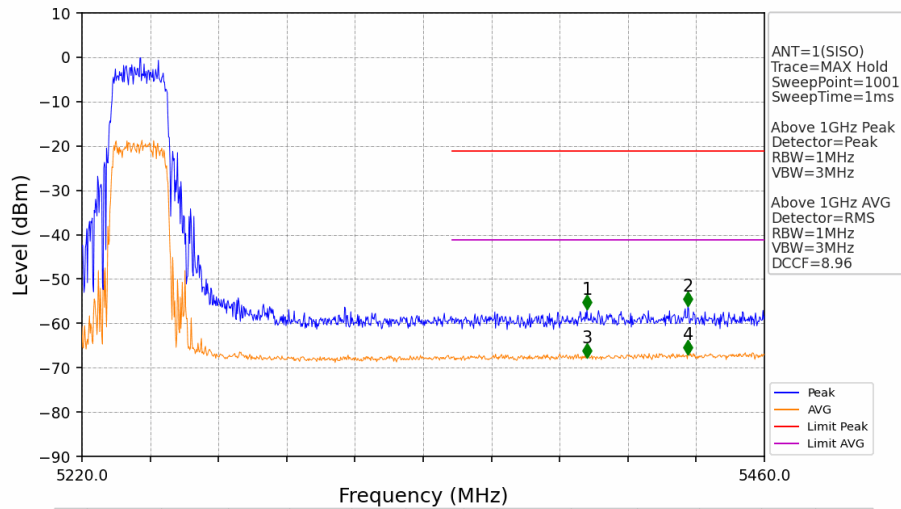
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark
1	20595.05	-44.27	-21.20	23.07	Pass Peak	7	20595.05	-45.76	-41.20	4.56	Pass AVG
2	21683.05	-43.98	-27.00	16.98	Pass Peak	8	21683.05	/	-27.00	/	/ AVG
3	23003.95	-44.42	-21.20	23.22	Pass Peak	9	23003.95	-44.77	-41.20	3.57	Pass AVG
4	24261.95	-42.41	-27.00	15.41	Pass Peak	10	24261.95	/	-27.00	/	/ AVG
5	25216.5	-41.67	-27.00	14.67	Pass Peak	11	25216.5	/	-27.00	/	/ AVG
6	26412.45	-43.69	-27.00	16.69	Pass Peak	12	26412.45	/	-27.00	/	/ AVG

802.11ax(HEW20)_HCH_5240MHz_SU / Ant1_NTNV

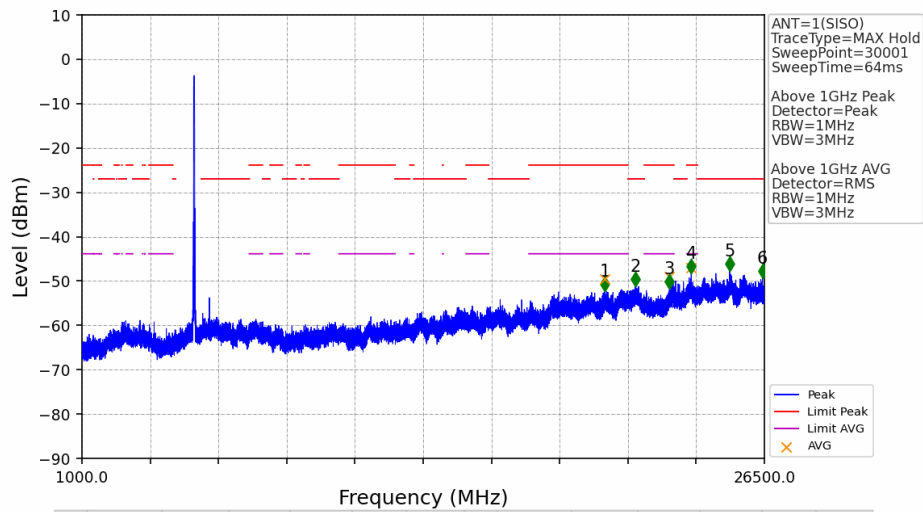


No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark
1	20534.7	-45.62	-21.20	24.42	Pass Peak	7	20534.7	-45.26	-41.20	4.06	Pass AVG
2	21630.35	-44.36	-27.00	17.36	Pass Peak	8	21630.35	/	-27.00	/	/ AVG
3	23032.85	-43.82	-21.20	22.62	Pass Peak	9	23032.85	-44.54	-41.20	3.34	Pass AVG
4	23809.75	-42.84	-21.20	21.64	Pass Peak	10	23809.75	-43.83	-41.20	2.63	Pass AVG
5	24726.9	-43.45	-27.00	16.45	Pass Peak	11	24726.9	/	-27.00	/	/ AVG
6	25739.25	-41.82	-27.00	14.82	Pass Peak	12	25739.25	/	-27.00	/	/ AVG

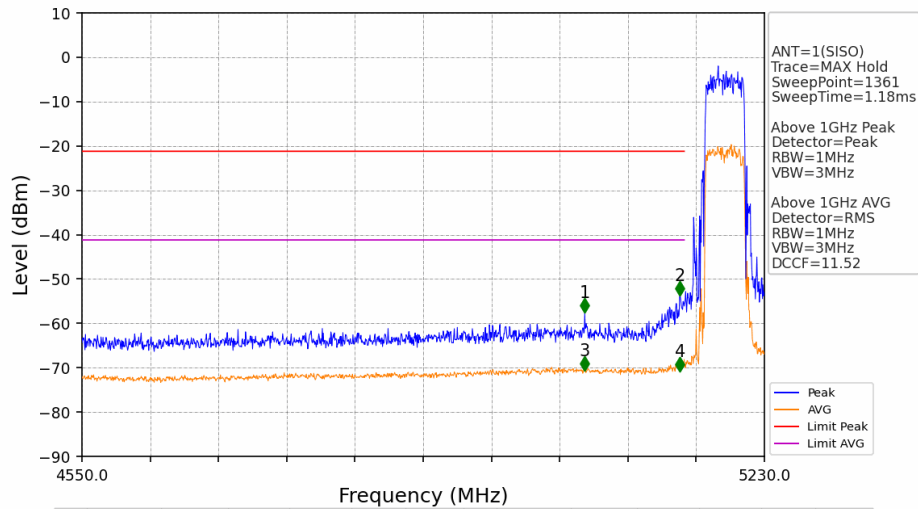
802.11ax(HEW20)_HCH_5240MHz_SU_ / Ant1_NTNV



802.11ax(HEW40)_LCH_5190MHz_SU_ / Ant1_NTNV

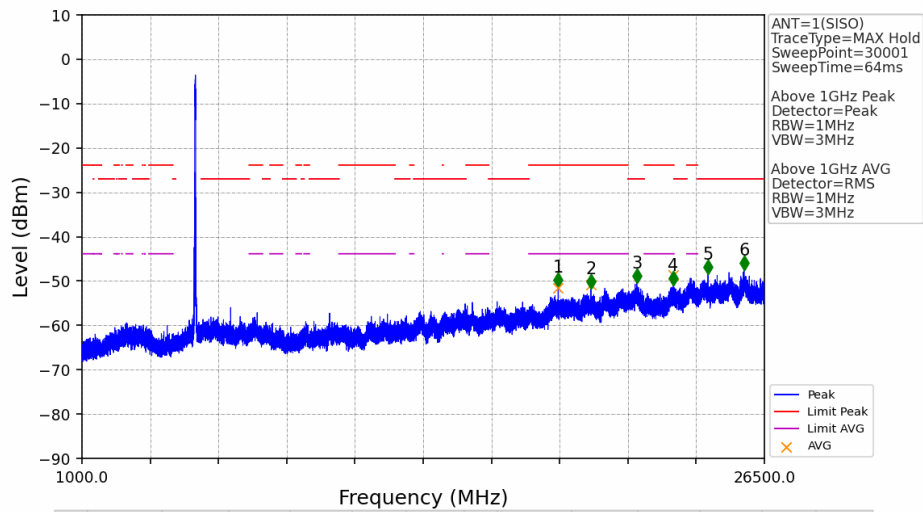


802.11ax(HEW40)_LCH_5190MHz_SU_ / Ant1_NTNV



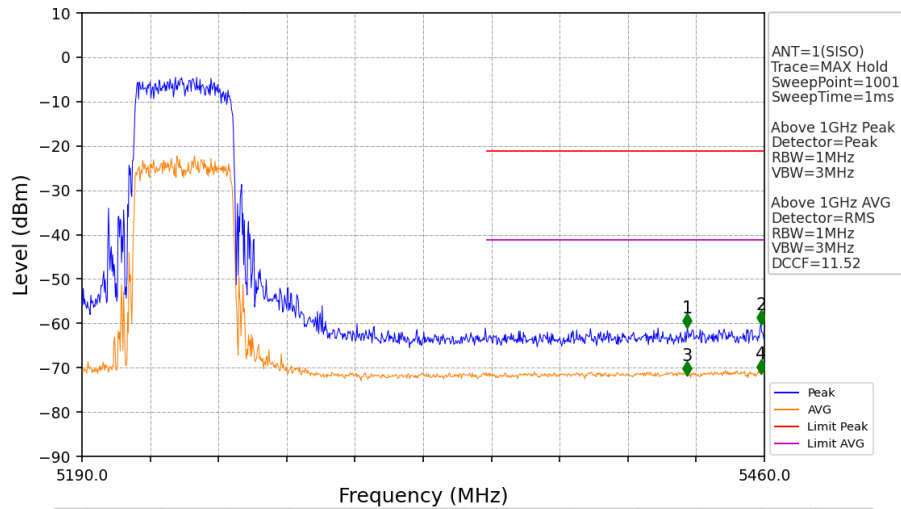
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1	5051.000	-54.94	-21.20	33.74	Pass Peak	3	5051.000	-70.59	-41.20	26.73	Pass AVG
2	5146.000	-51.03	-21.20	29.83	Pass Peak	4	5146.000	-70.74	-41.20	26.87	Pass AVG

802.11ax(HEW40)_HCH_5230MHz_SU_ / Ant1_NTNV



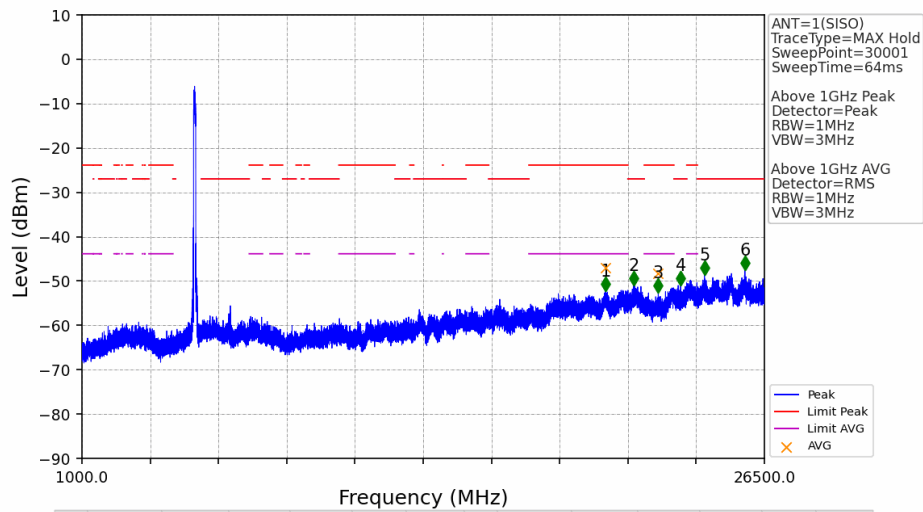
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark
1	18793.9	-48.71	-21.20	27.51	Pass Peak	7	18793.9	-48.84	-41.20	7.64	Pass AVG
2	20017.9	-48.94	-21.20	27.74	Pass Peak	8	20017.9	-48.10	-41.20	6.90	Pass AVG
3	21730.65	-47.82	-27.00	20.82	Pass Peak	9	21730.65	/	-27.00	/	/ AVG
4	23085.55	-48.22	-21.20	27.02	Pass Peak	10	23085.55	-45.90	-41.20	4.70	Pass AVG
5	24392	-45.68	-27.00	18.68	Pass Peak	11	24392	/	-27.00	/	/ AVG
6	25740.1	-44.89	-27.00	17.89	Pass Peak	12	25740.1	/	-27.00	/	/ AVG

802.11ax(HEW40)_HCH_5230MHz_SU / Ant1_NTNV



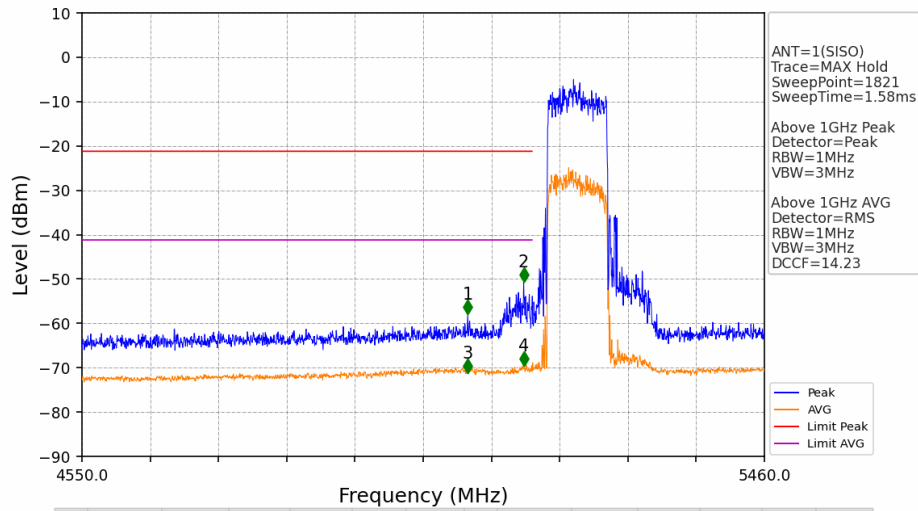
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5429.490	-58.32	-21.20	37.12	Pass	Peak	3	5429.490	-71.81	-41.20	27.94	Pass	AVG
2	5458.650	-57.64	-21.20	36.44	Pass	Peak	4	5458.650	-71.35	-41.20	27.48	Pass	AVG

802.11ax(HEW80)_MCH_5210MHz_SU / Ant1_NTNV



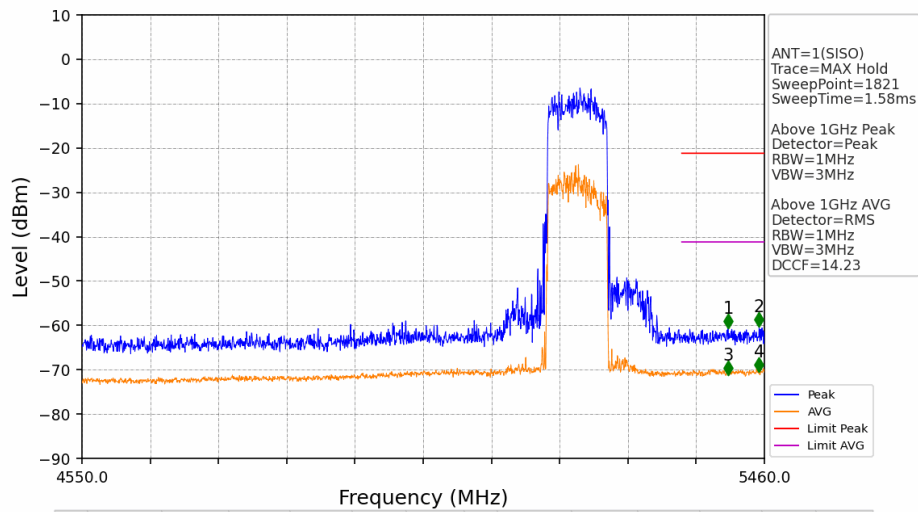
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	20556.8	-49.49	-21.20	28.29	Pass	Peak	7	20556.8	-44.39	-41.20	3.19	Pass	AVG
2	21616.75	-48.31	-27.00	21.31	Pass	Peak	8	21616.75	/	-41.20	/	/	AVG
3	22533.9	-49.93	-21.20	28.73	Pass	Peak	9	22533.9	-45.62	-41.20	4.42	Pass	AVG
4	23369.45	-48.24	-27.00	21.24	Pass	Peak	10	23369.45	/	-41.20	/	/	AVG
5	24259.4	-45.99	-27.00	18.99	Pass	Peak	11	24259.4	/	-41.20	/	/	AVG
6	25771.55	-44.84	-27.00	17.84	Pass	Peak	12	25771.55	/	-41.20	/	/	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	5064.500	-55.22	-21.20	34.02	Pass	Peak	3	5064.500	-71.15	-41.20	27.28	Pass	AVG
2	5139.000	-47.95	-21.20	26.75	Pass	Peak	4	5139.000	-69.60	-41.20	25.73	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	5411.500	-57.97	-21.20	36.77	Pass	AVG	3	5411.500	-71.24	-41.20	27.37	Pass	AVG
2	5453.000	-57.55	-21.20	36.35	Pass	AVG	4	5453.000	-70.44	-41.20	26.57	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	5179.969	5150 to 5250	Pass
				120	5179.968	5150 to 5250	Pass
				138	5179.968	5150 to 5250	Pass
			-30	120	5179.968	5150 to 5250	Pass
			-20	120	5179.968	5150 to 5250	Pass
			-10	120	5179.968	5150 to 5250	Pass
			0	120	5179.968	5150 to 5250	Pass
			10	120	5179.969	5150 to 5250	Pass
			30	120	5179.969	5150 to 5250	Pass
			40	120	5179.969	5150 to 5250	Pass
			50	120	5179.969	5150 to 5250	Pass
		5200	20	102	5199.968	5150 to 5250	Pass
				120	5199.969	5150 to 5250	Pass
				138	5199.969	5150 to 5250	Pass
			-30	120	5199.969	5150 to 5250	Pass
			-20	120	5199.969	5150 to 5250	Pass
			-10	120	5199.969	5150 to 5250	Pass
			0	120	5199.969	5150 to 5250	Pass
			10	120	5199.969	5150 to 5250	Pass
			30	120	5199.969	5150 to 5250	Pass
			40	120	5199.969	5150 to 5250	Pass
			50	120	5199.969	5150 to 5250	Pass
		5240	20	102	5239.968	5150 to 5250	Pass
				120	5239.968	5150 to 5250	Pass
				138	5239.968	5150 to 5250	Pass
			-30	120	5239.968	5150 to 5250	Pass
			-20	120	5239.969	5150 to 5250	Pass
			-10	120	5239.968	5150 to 5250	Pass
			0	120	5239.969	5150 to 5250	Pass
			10	120	5239.969	5150 to 5250	Pass
			30	120	5239.968	5150 to 5250	Pass
			40	120	5239.968	5150 to 5250	Pass
			50	120	5239.968	5150 to 5250	Pass
		5190	20	102	5189.969	5150 to 5250	Pass
				120	5189.969	5150 to 5250	Pass
				138	5189.969	5150 to 5250	Pass
			-30	120	5189.969	5150 to 5250	Pass
			-20	120	5189.969	5150 to 5250	Pass
			-10	120	5189.969	5150 to 5250	Pass
			0	120	5189.969	5150 to 5250	Pass
			10	120	5189.969	5150 to 5250	Pass
			30	120	5189.969	5150 to 5250	Pass
			40	120	5189.969	5150 to 5250	Pass
			50	120	5189.969	5150 to 5250	Pass
		5230	20	102	5229.969	5150 to 5250	Pass
				120	5229.969	5150 to 5250	Pass
				138	5229.969	5150 to 5250	Pass
			-30	120	5229.969	5150 to 5250	Pass

			-20	120	5229.969	5150 to 5250	Pass
			-10	120	5229.969	5150 to 5250	Pass
			0	120	5229.969	5150 to 5250	Pass
			10	120	5229.969	5150 to 5250	Pass
			30	120	5229.969	5150 to 5250	Pass
			40	120	5229.969	5150 to 5250	Pass
			50	120	5229.969	5150 to 5250	Pass
		5210	20	102	5209.969	5150 to 5250	Pass
				120	5209.969	5150 to 5250	Pass
				138	5209.969	5150 to 5250	Pass
			-30	120	5209.969	5150 to 5250	Pass
			-20	120	5209.969	5150 to 5250	Pass
			-10	120	5209.969	5150 to 5250	Pass
			0	120	5209.969	5150 to 5250	Pass
			10	120	5209.969	5150 to 5250	Pass
			30	120	5209.969	5150 to 5250	Pass
			40	120	5209.969	5150 to 5250	Pass
			50	120	5209.969	5150 to 5250	Pass

▶▶▶ END OF REPORT ◀◀◀

