

1. Duty Cycle

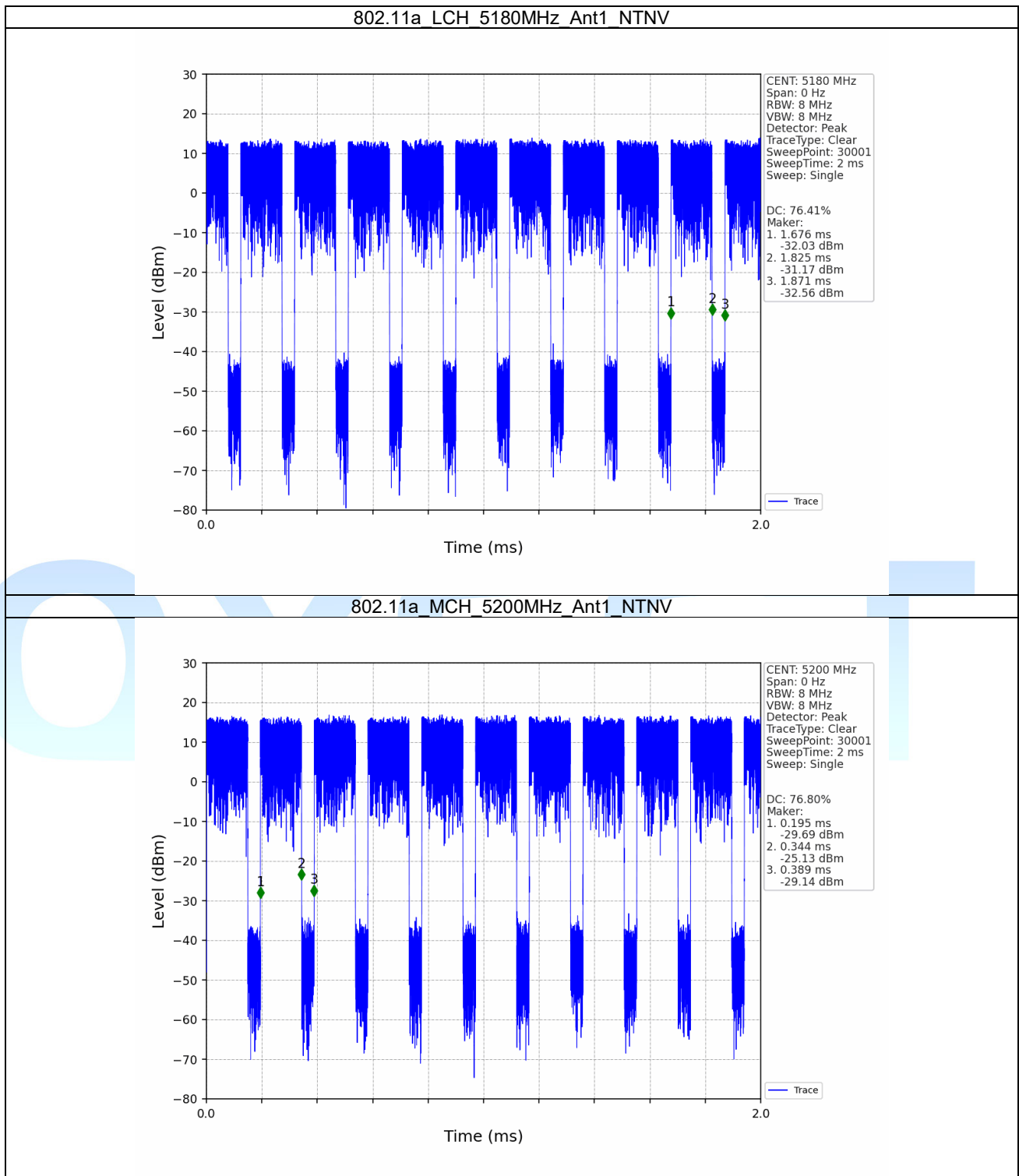
1.1 Test Result

1.1.1 Ant1

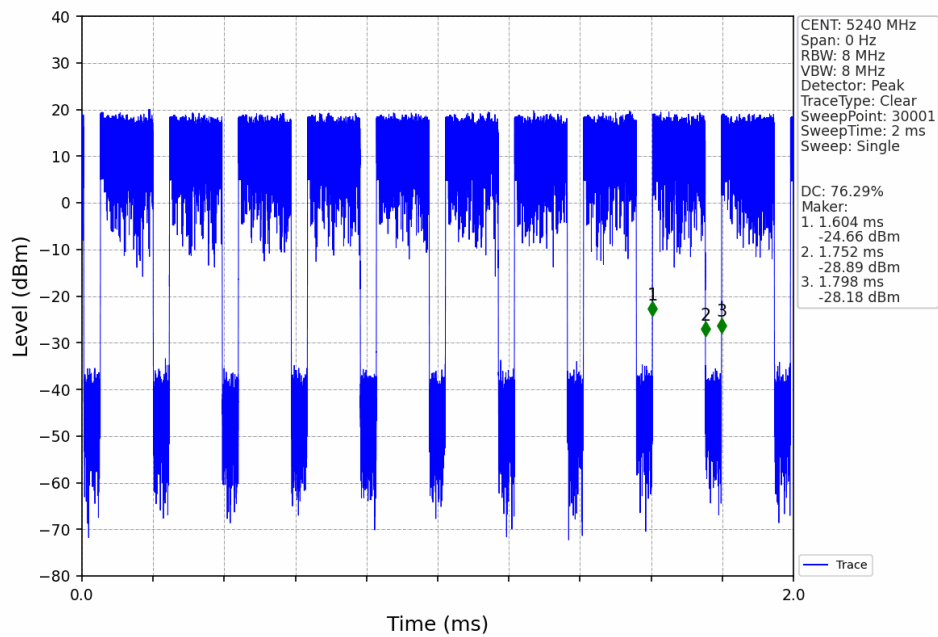
Ant1									
Mode	TX Type	Frequency (MHz)	RU	RU Pos	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11a	SISO	5180	/	/	0.149	0.195	76.41	1.17	0.55
		5200	/	/	0.149	0.194	76.80	1.15	0.13
		5240	/	/	0.148	0.194	76.29	1.18	0.06
802.11n (HT20)	SISO	5180	/	/	0.177	0.223	79.37	1.00	0.27
		5200	/	/	0.177	0.224	79.02	1.02	0.34
		5240	/	/	0.177	0.224	79.02	1.02	0.71
802.11n (HT40)	SISO	5190	/	/	0.181	0.227	79.74	0.98	0.29
		5230	/	/	0.183	0.227	80.62	0.94	0.36
802.11ac (VHT20)	SISO	5180	/	/	0.165	0.211	78.20	1.07	0.10
		5200	/	/	0.165	0.212	77.83	1.09	0.43
		5240	/	/	0.165	0.212	77.83	1.09	0.53
802.11ac (VHT40)	SISO	5190	/	/	0.156	0.203	76.85	1.14	0.41
		5230	/	/	0.159	0.202	78.71	1.04	0.19
802.11ac (VHT80)	SISO	5210	/	/	0.165	0.211	78.20	1.07	0.56
802.11ax (HEW20)	SISO	5180	SU	/	0.175	0.221	79.19	1.01	0.15
		5200	SU	/	0.175	0.221	79.19	1.01	0.35
		5240	SU	/	0.175	0.222	78.83	1.03	0.35
802.11ax (HEW40)	SISO	5190	SU	/	0.171	0.218	78.44	1.05	0.49
		5230	SU	/	0.170	0.217	78.34	1.06	0.15
802.11ax (HEW80)	SISO	5210	SU	/	0.179	0.224	79.91	0.97	0.23

1.2 Test Graph

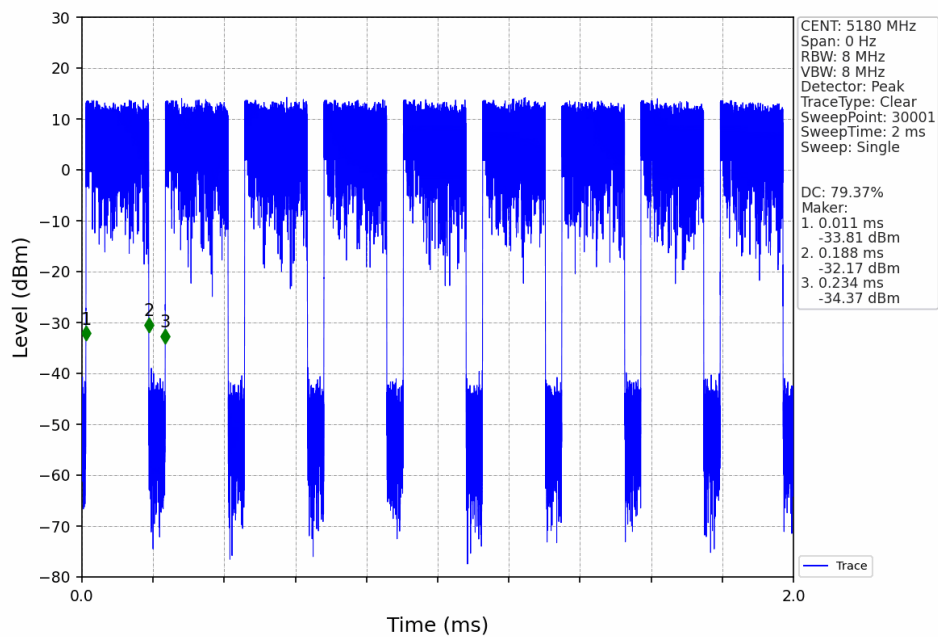
1.2.1 Ant1



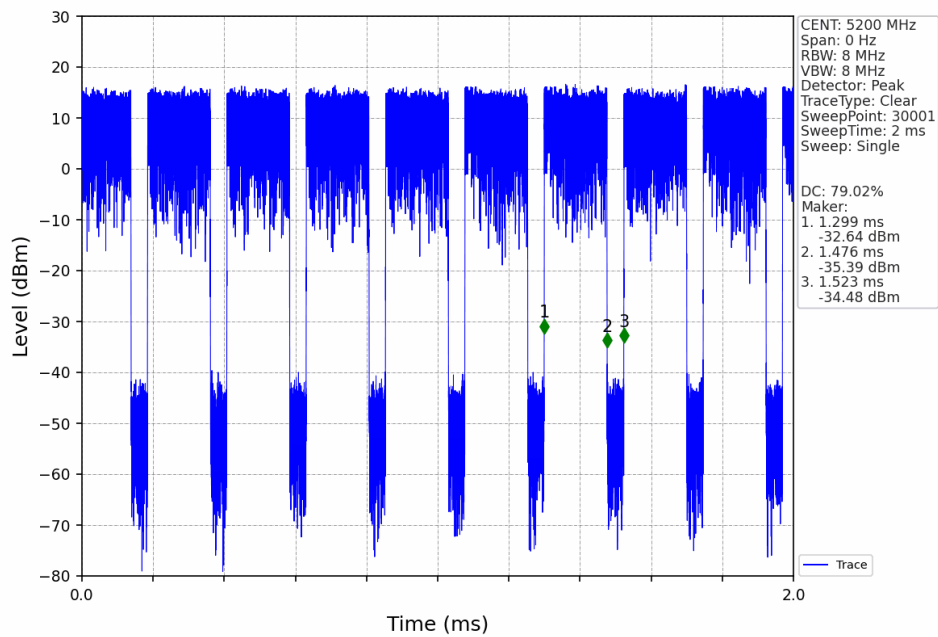
802.11a_HCH_5240MHz_Ant1_NTNV



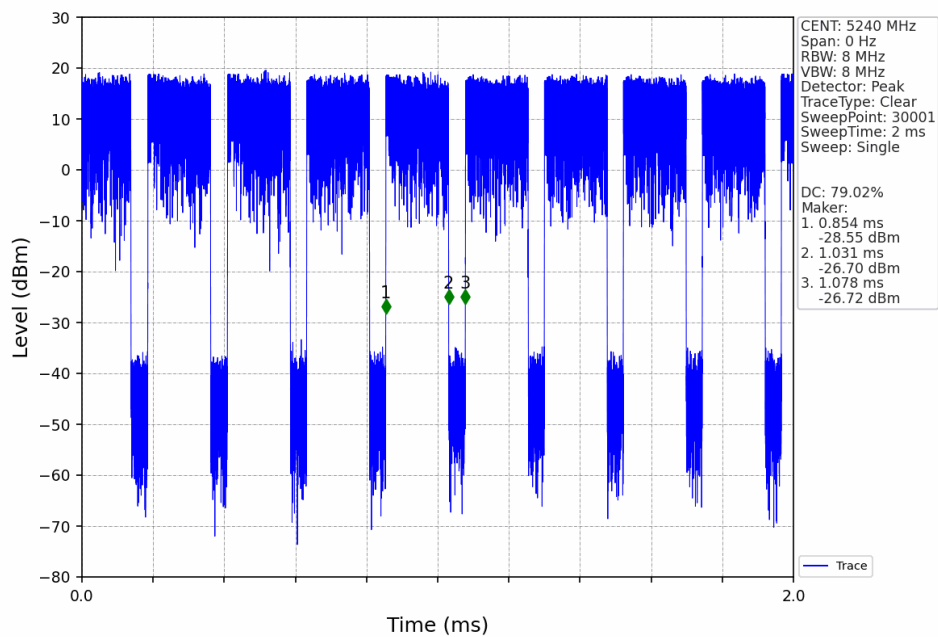
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



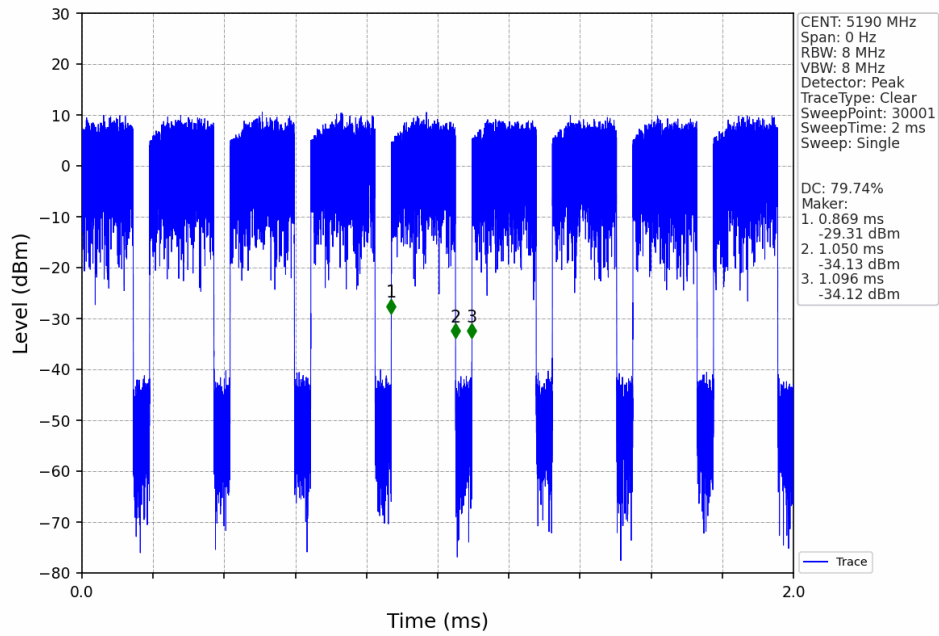
802.11n(HT20) MCH 5200MHz_Ant1_NTNV



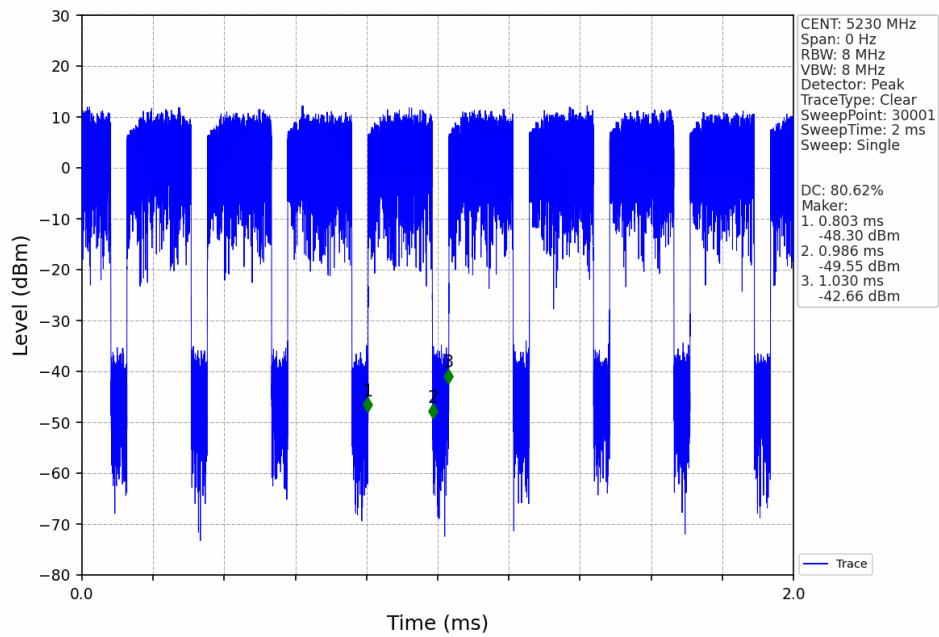
802.11n(HT20) HCH 5240MHz_Ant1_NTNV



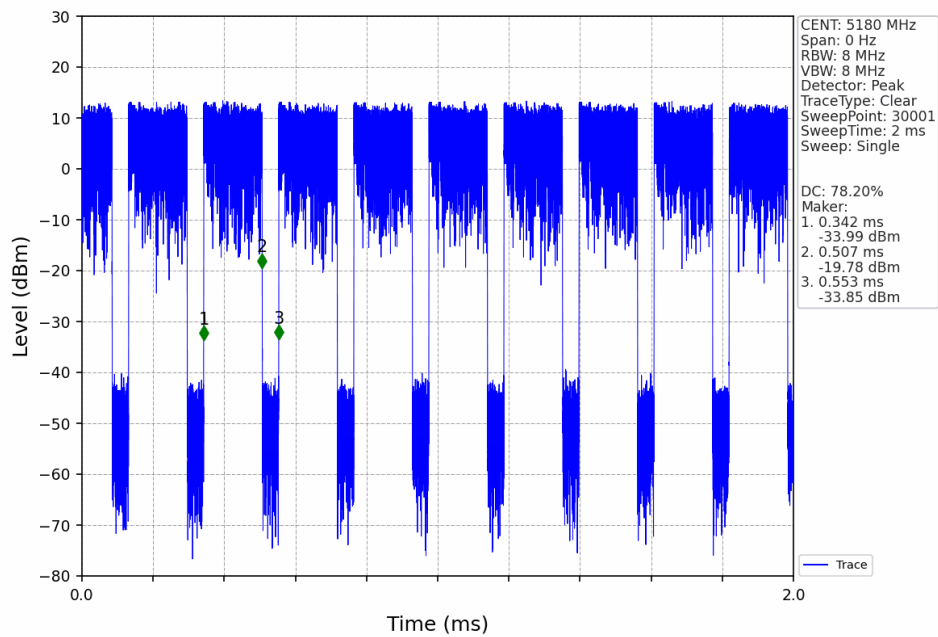
802.11n(HT40) LCH 5190MHz_Ant1_NTNV



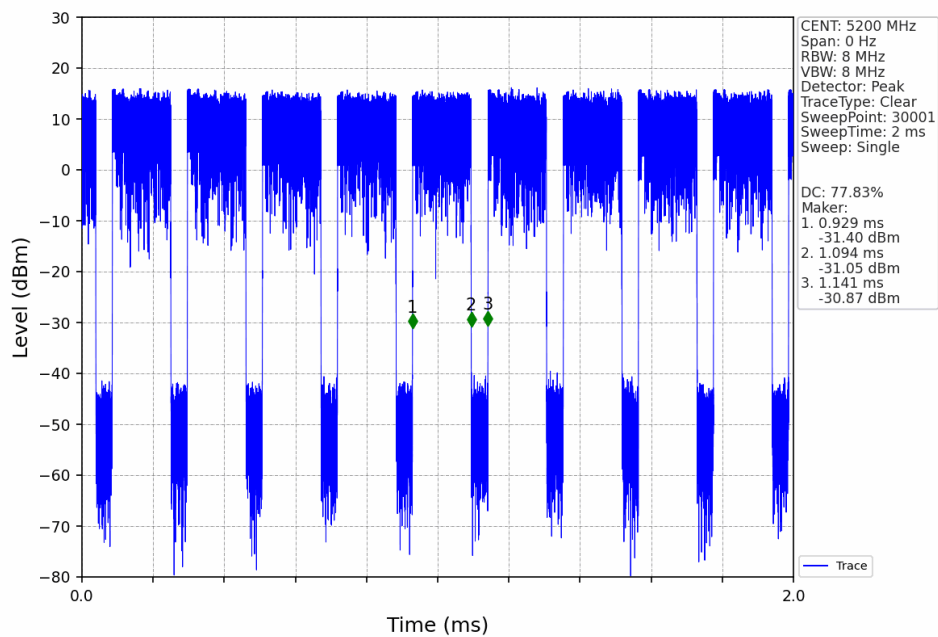
802.11n(HT40) HCH 5230MHz_Ant1_NTNV



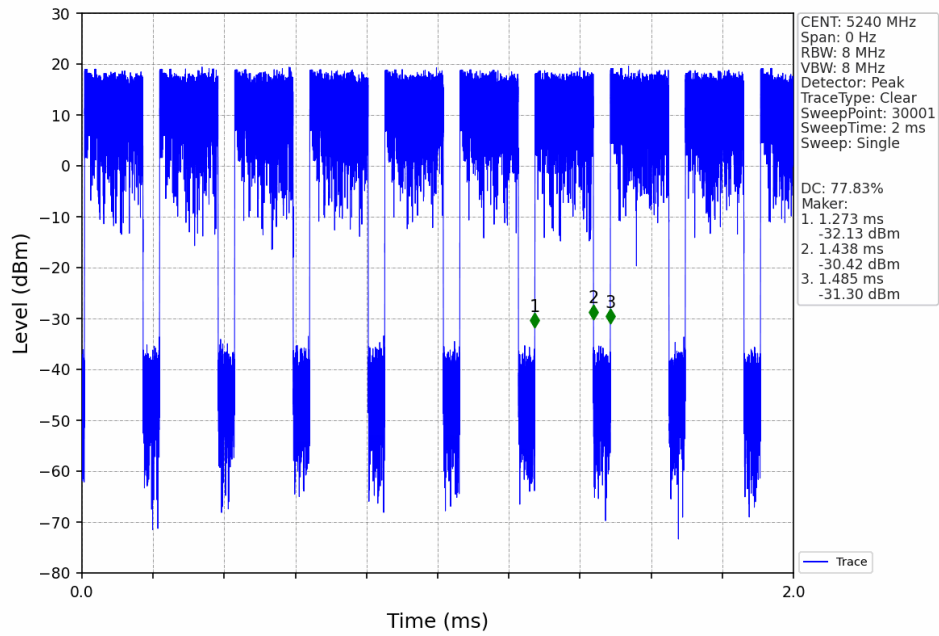
802.11ac(VHT20) LCH_5180MHz_Ant1_NTNV



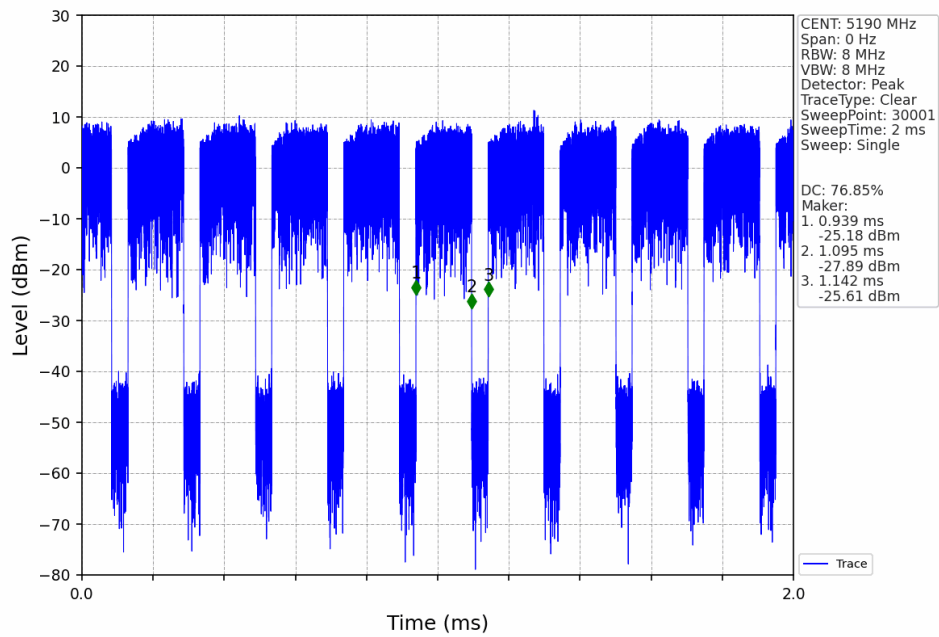
802.11ac(VHT20) MCH_5200MHz_Ant1_NTNV



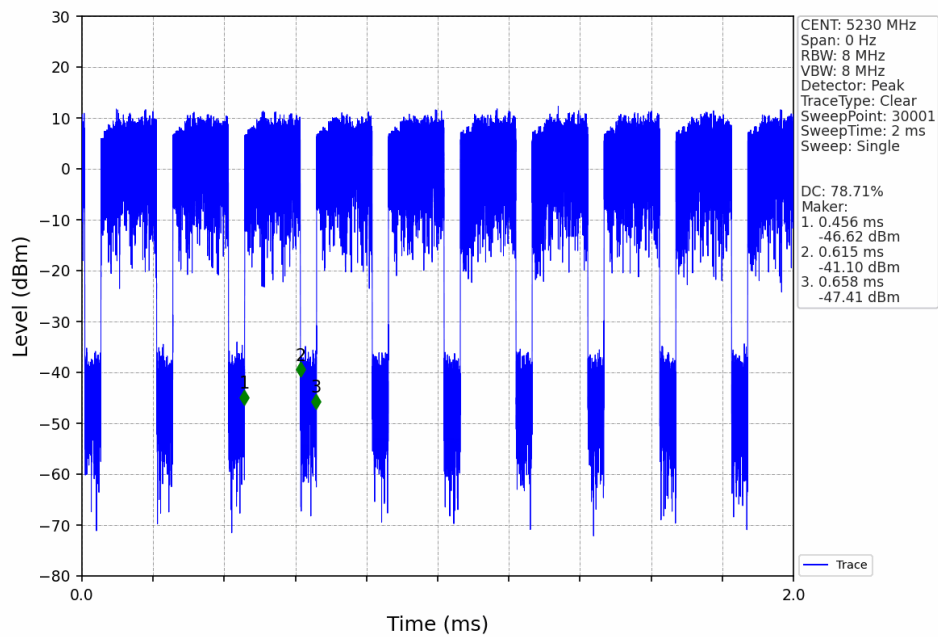
802.11ac(VHT20) HCH 5240MHz Ant1_NTNV



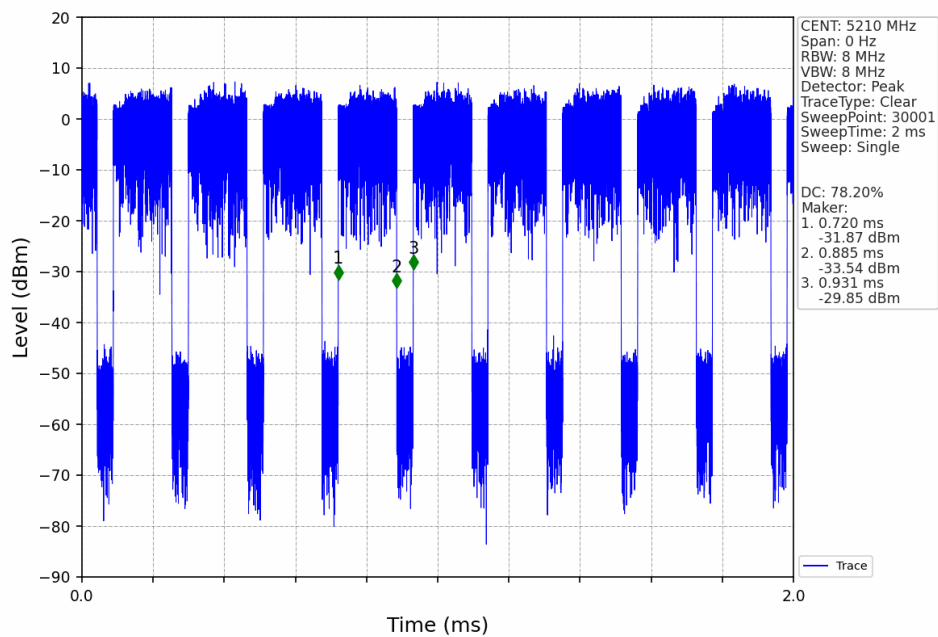
802.11ac(VHT40) LCH 5190MHz Ant1_NTNV



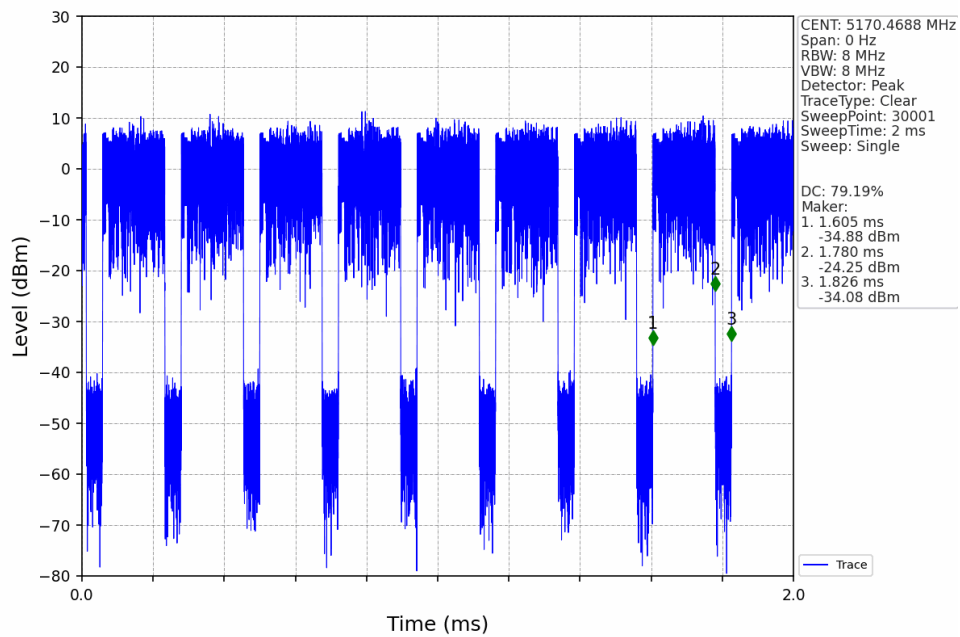
802.11ac(VHT40) HCH 5230MHz_Ant1_NTNV



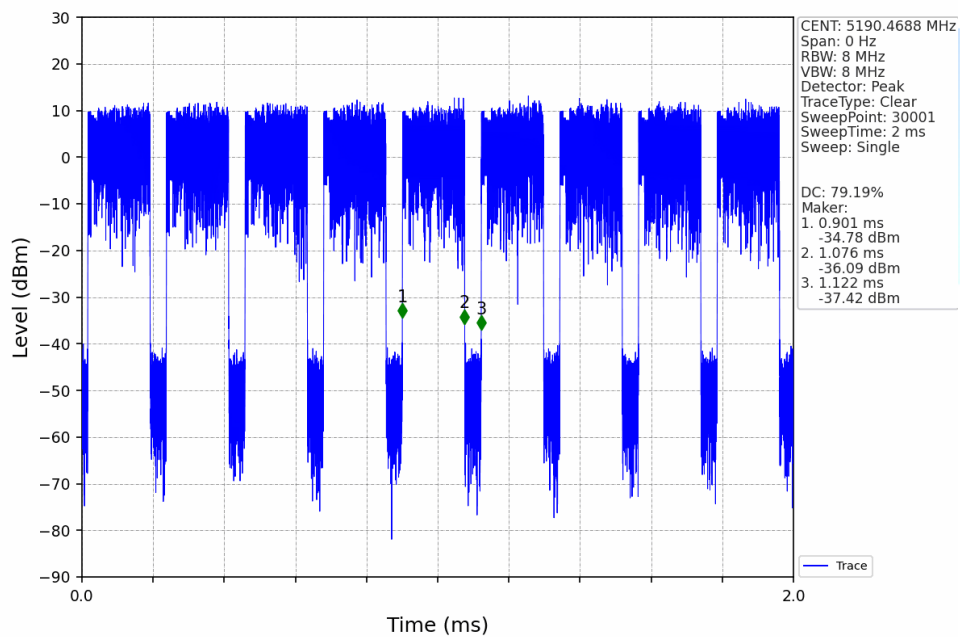
802.11ac(VHT80) MCH 5210MHz_Ant1_NTNV



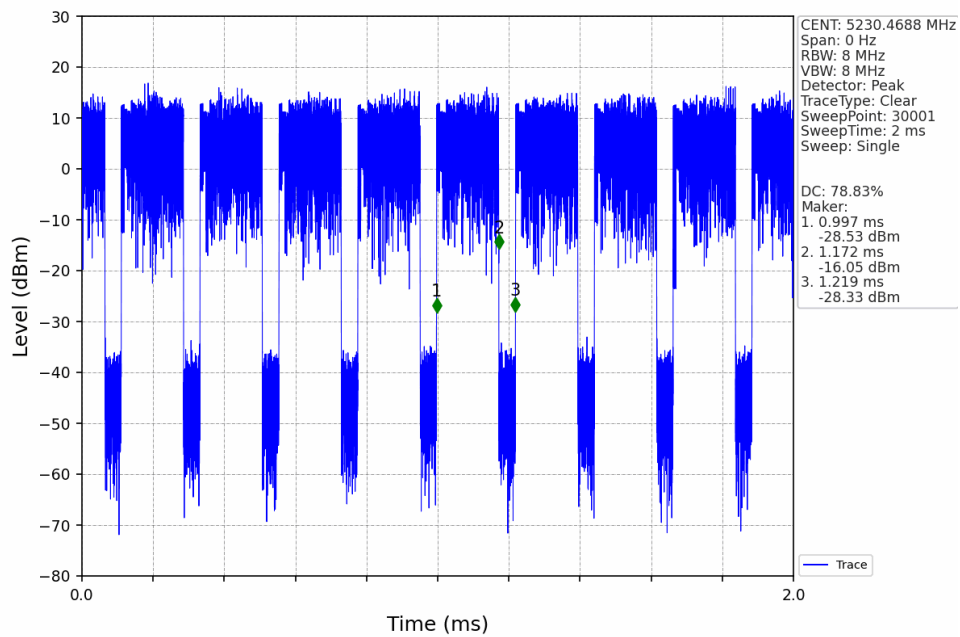
802.11ax(HEW20)_LCH_5180MHz_SU_ / Ant1_NTNV



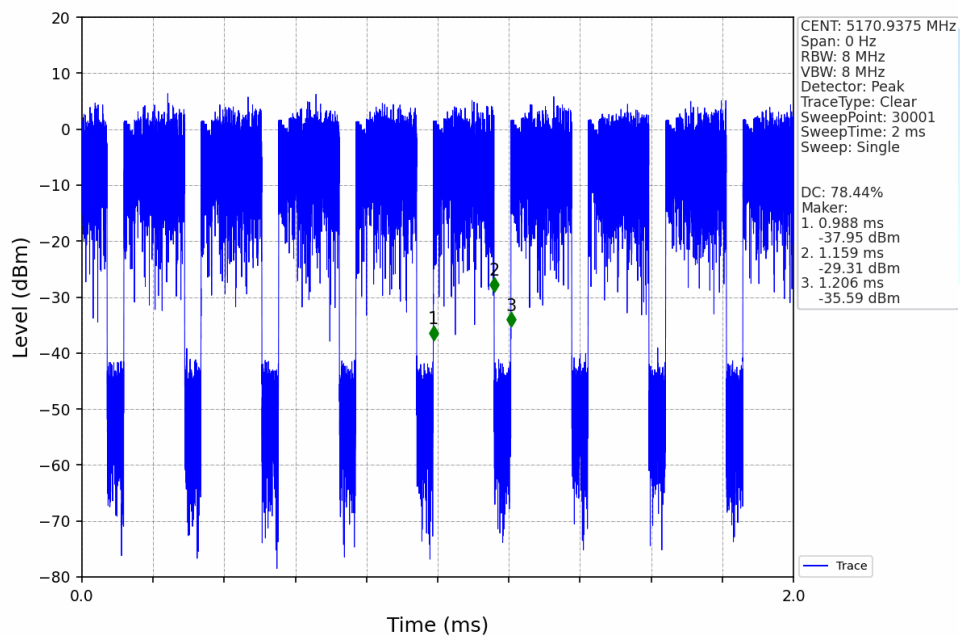
802.11ax(HEW20)_MCH_5200MHz_SU_ / Ant1_NTNV



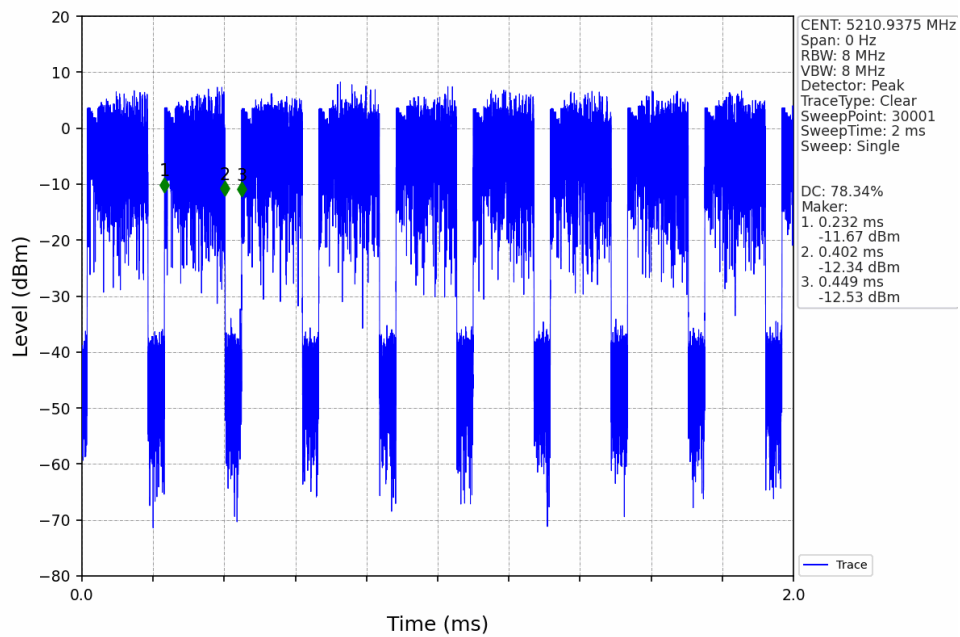
802.11ax(HEW20)_HCH_5240MHz_SU_ / Ant1_NTNV



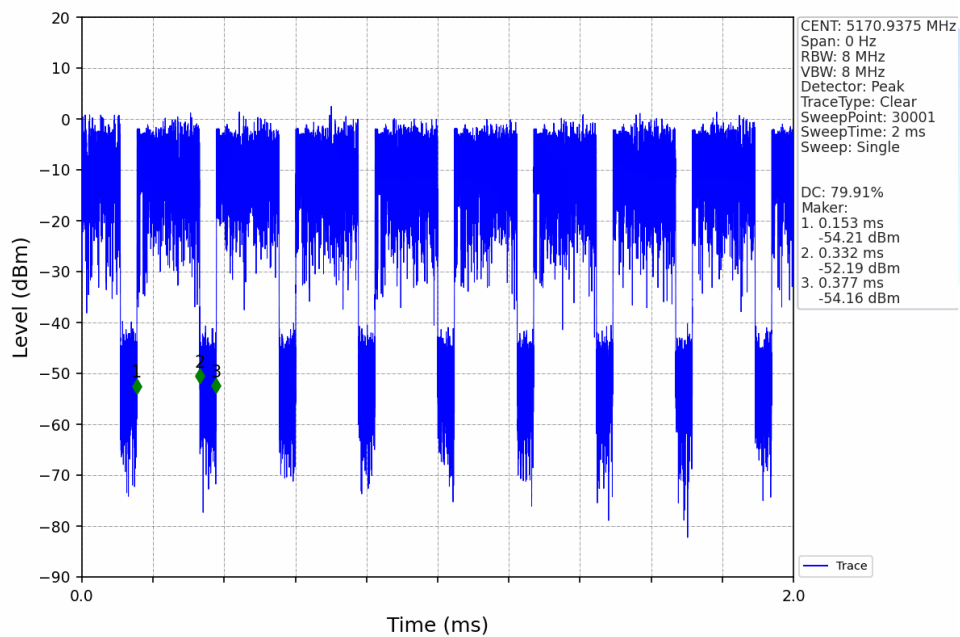
802.11ax(HEW40)_LCH_5190MHz_SU_ / Ant1_NTNV



802.11ax(HEW40)_HCH_5230MHz_SU / Ant1_NTNV



802.11ax(HEW80)_MCH_5210MHz_SU / Ant1_NTNV



2. Bandwidth

2.1 Test Result

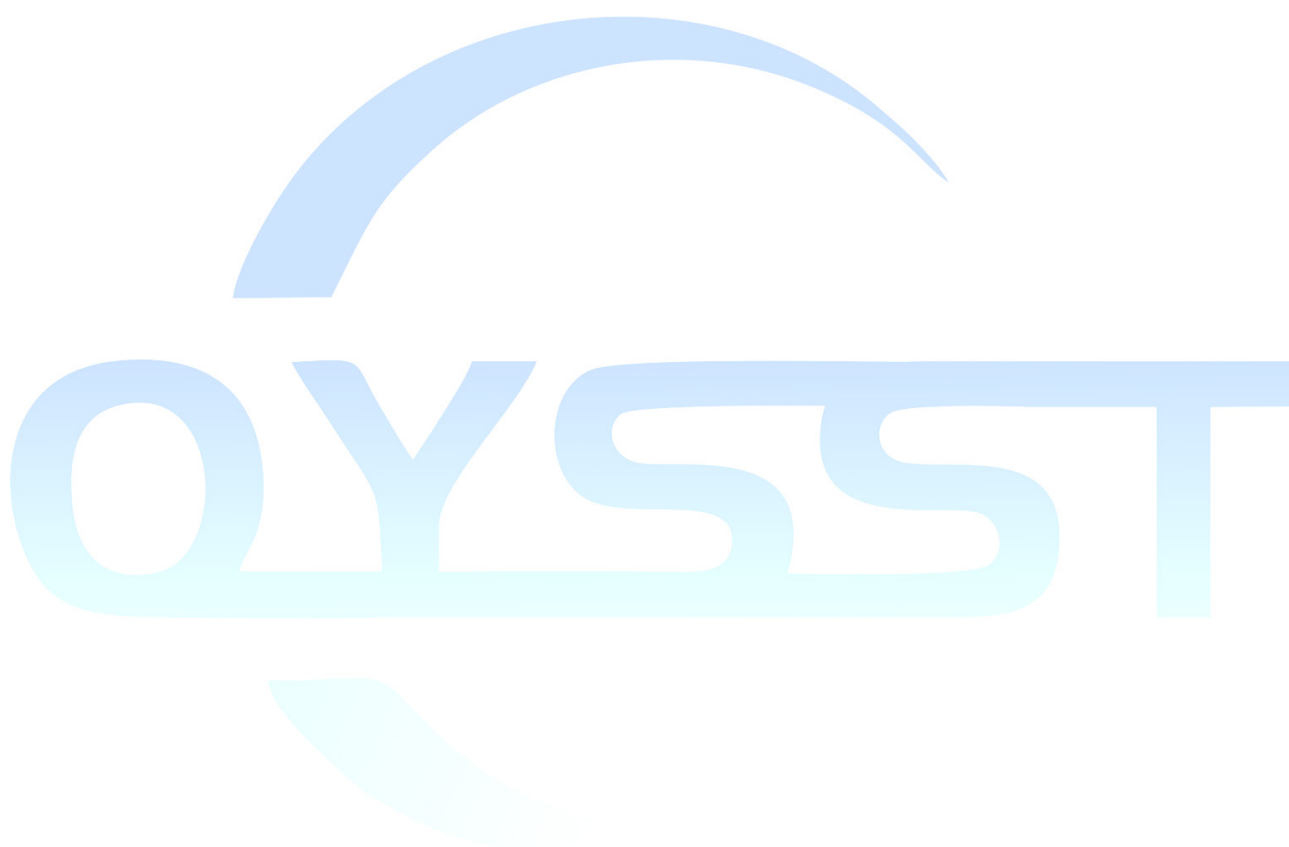
2.1.1 OBW

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	99% Occupied Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	SISO	5180	/	/	1	17.340	/	Pass
		5200	/	/	1	17.453	/	Pass
		5240	/	/	1	17.451	/	Pass
802.11n (HT20)	SISO	5180	/	/	1	18.331	/	Pass
		5200	/	/	1	18.433	/	Pass
		5240	/	/	1	18.431	/	Pass
802.11n (HT40)	SISO	5190	/	/	1	36.276	/	Pass
		5230	/	/	1	36.363	/	Pass
802.11ac (VHT20)	SISO	5180	/	/	1	18.247	/	Pass
		5200	/	/	1	18.375	/	Pass
		5240	/	/	1	18.469	/	Pass
802.11ac (VHT40)	SISO	5190	/	/	1	36.189	/	Pass
		5230	/	/	1	36.220	/	Pass
802.11ac (VHT80)	SISO	5210	/	/	1	75.467	/	Pass
802.11ax (HEW20)	SISO	5180	SU	/	1	19.067	/	Pass
		5200	SU	/	1	19.112	/	Pass
		5240	SU	/	1	19.105	/	Pass
802.11ax (HEW40)	SISO	5190	SU	/	1	37.778	/	Pass
		5230	SU	/	1	37.802	/	Pass
802.11ax (HEW80)	SISO	5210	SU	/	1	76.813	/	Pass

2.1.2 26dB BW

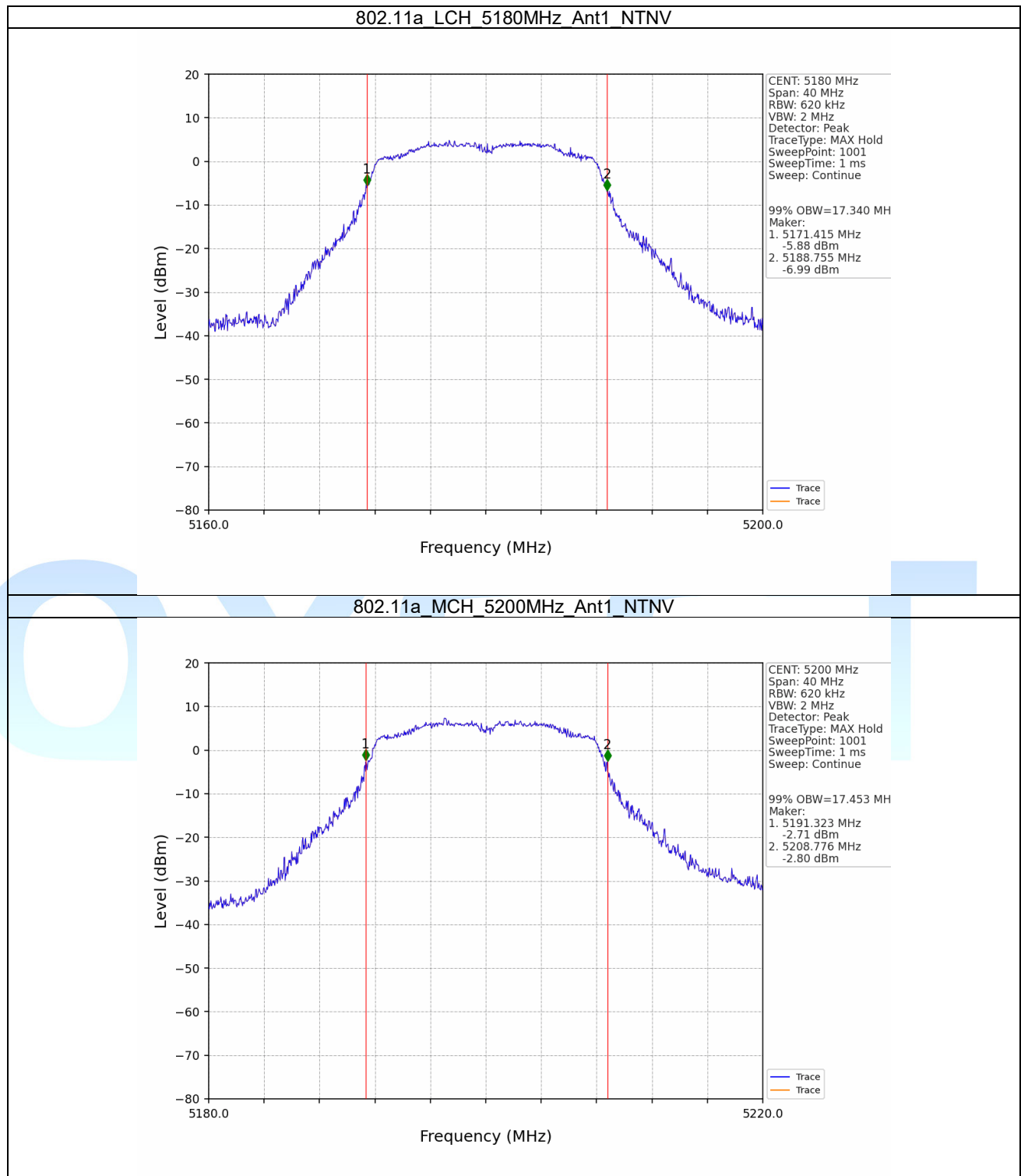
Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	26dB Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	SISO	5180	/	/	1	22.996	/	Pass
		5200	/	/	1	23.723	/	Pass
		5240	/	/	1	23.656	/	Pass
802.11n (HT20)	SISO	5180	/	/	1	22.537	/	Pass
		5200	/	/	1	23.871	/	Pass
		5240	/	/	1	23.398	/	Pass
802.11n (HT40)	SISO	5190	/	/	1	42.719	/	Pass
		5230	/	/	1	42.679	/	Pass
802.11ac (VHT20)	SISO	5180	/	/	1	22.890	/	Pass
		5200	/	/	1	24.002	/	Pass
		5240	/	/	1	23.197	/	Pass
802.11ac (VHT40)	SISO	5190	/	/	1	42.101	/	Pass
		5230	/	/	1	42.611	/	Pass
802.11ac (VHT80)	SISO	5210	/	/	1	83.634	/	Pass
802.11ax (HEW20)	SISO	5180	SU	/	1	22.539	/	Pass
		5200	SU	/	1	24.077	/	Pass
		5240	SU	/	1	23.152	/	Pass
802.11ax (HEW40)	SISO	5190	SU	/	1	42.804	/	Pass
		5230	SU	/	1	41.096	/	Pass
802.11ax	SISO	5210	SU	/	1	81.611	/	Pass

(HEW80)								
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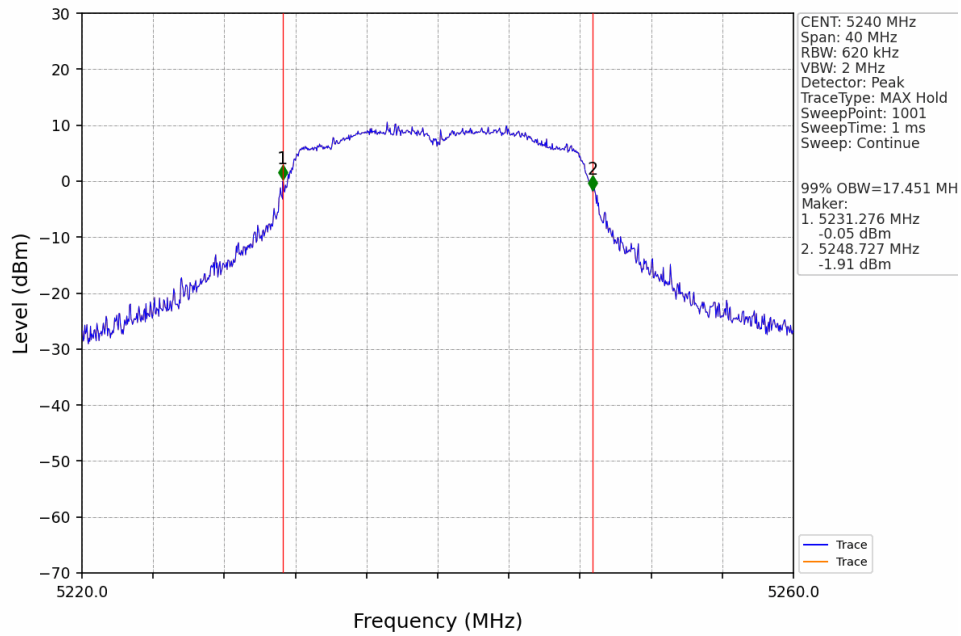


2.2 Test Graph

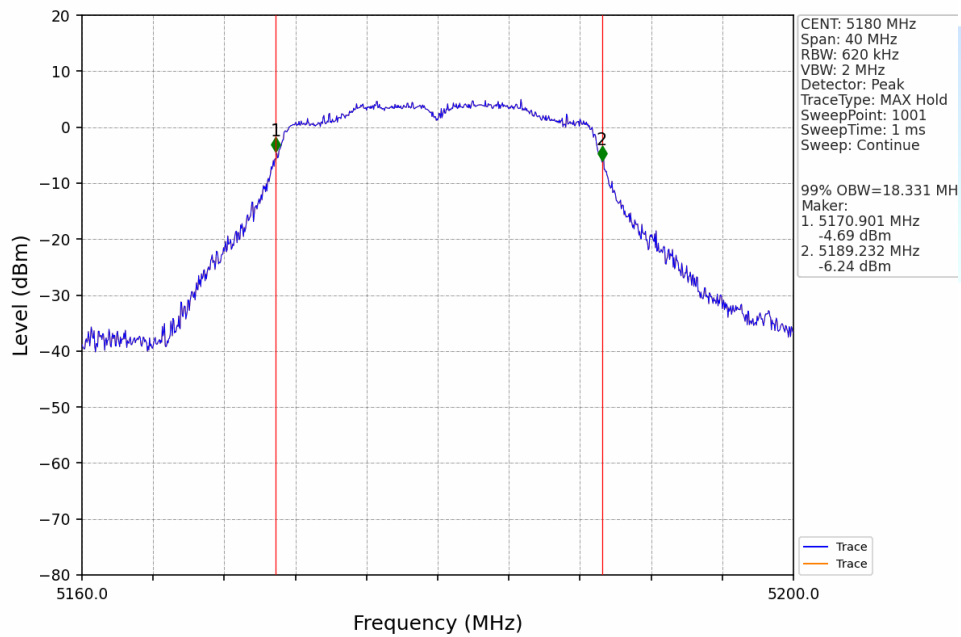
2.2.1 OBW



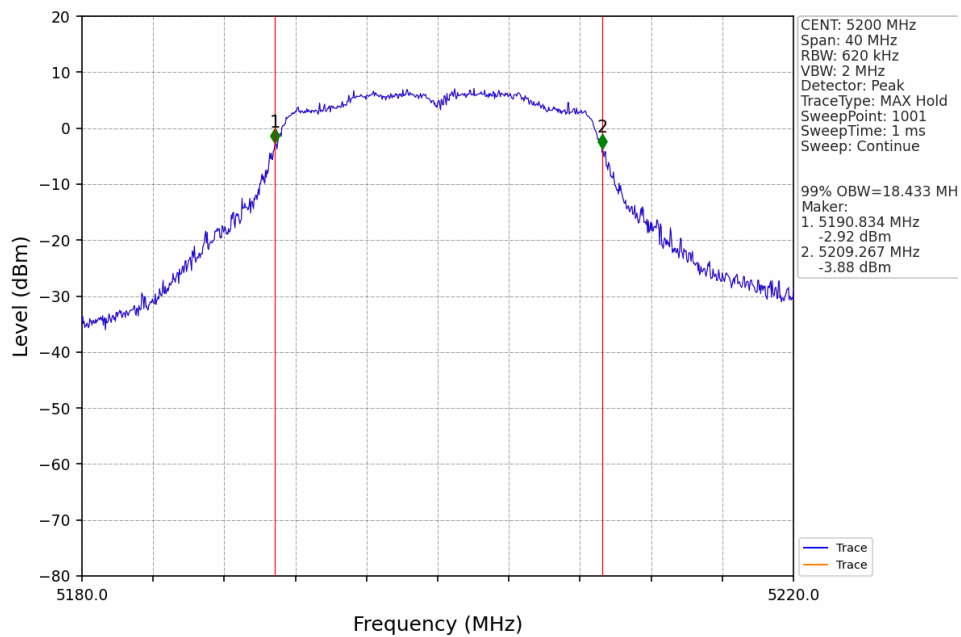
802.11a_HCH_5240MHz_Ant1_NTNV



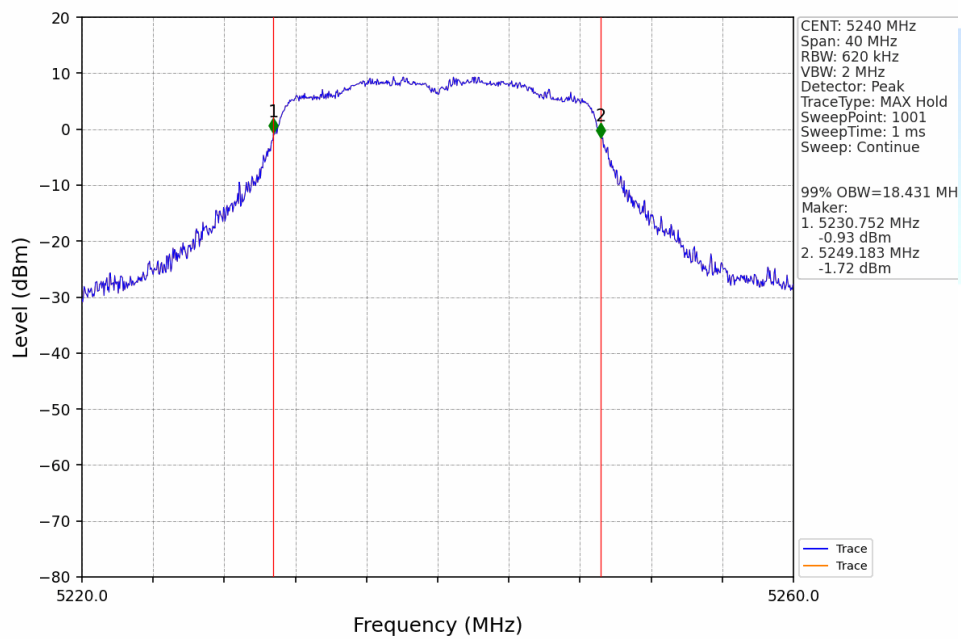
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



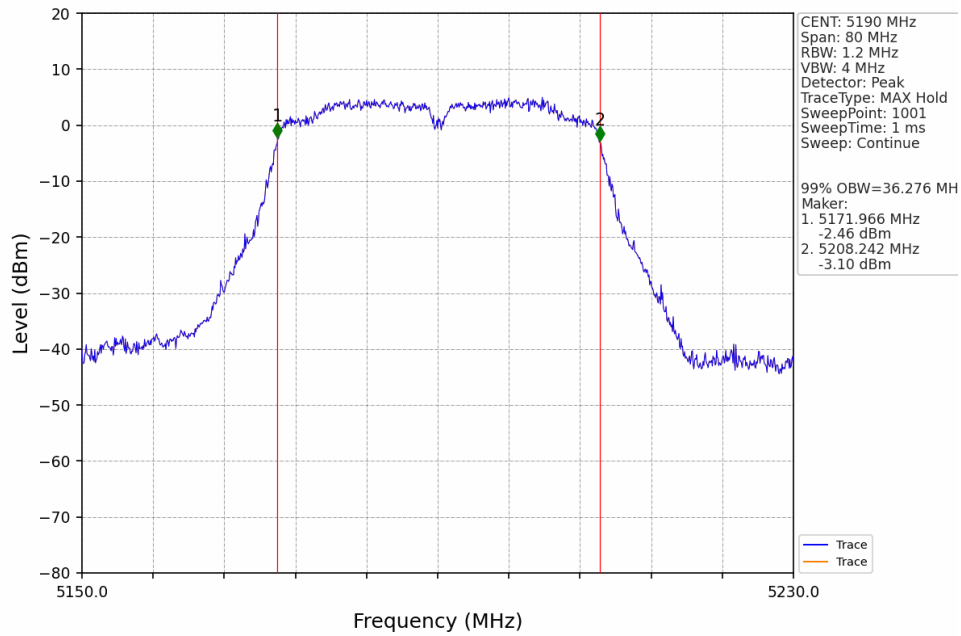
802.11n(HT20) MCH 5200MHz Ant1_NTNV



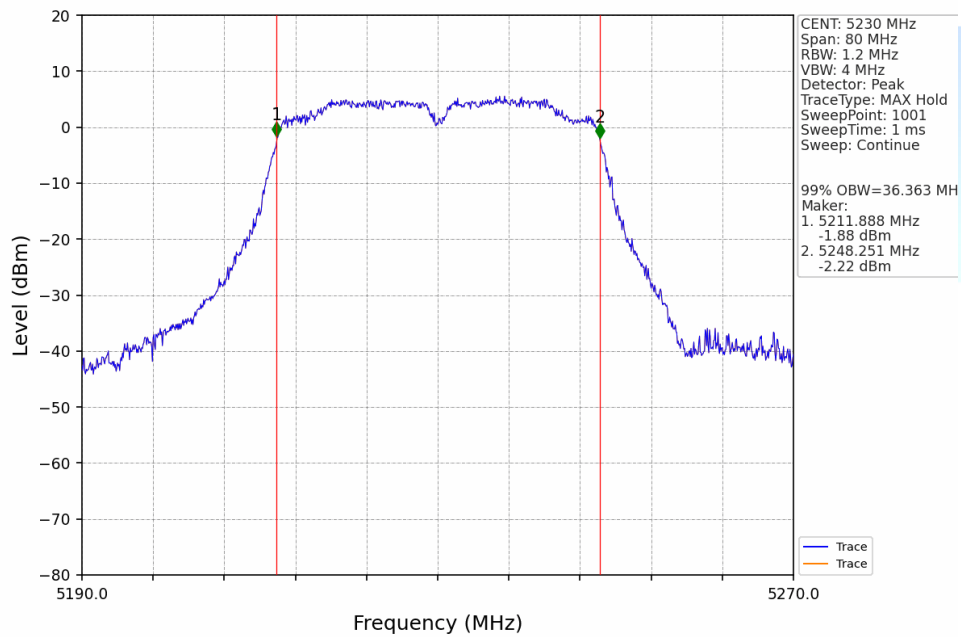
802.11n(HT20) HCH 5240MHz Ant1_NTNV



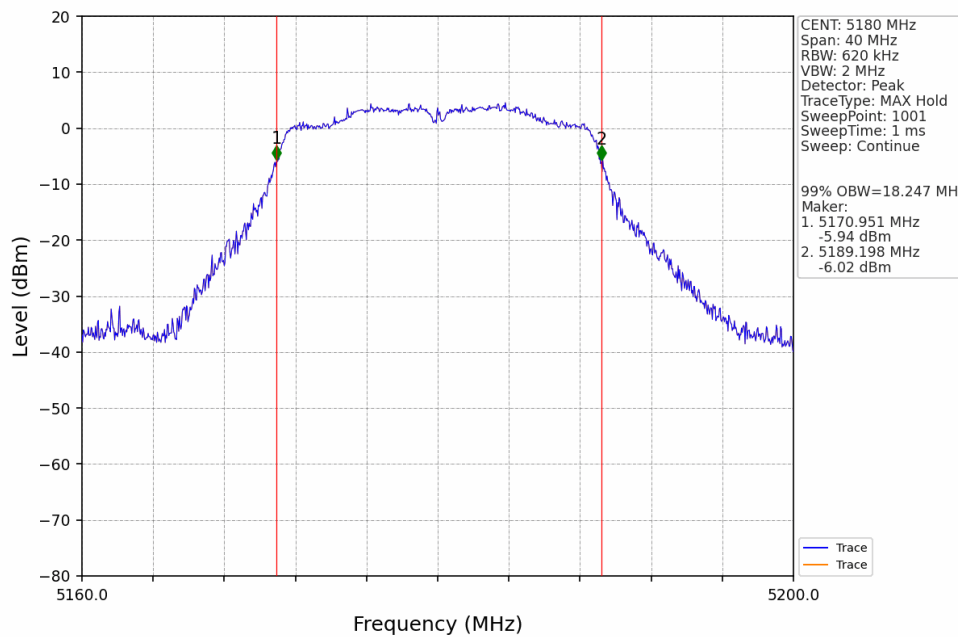
802.11n(HT40) LCH 5190MHz_Ant1_NTNV



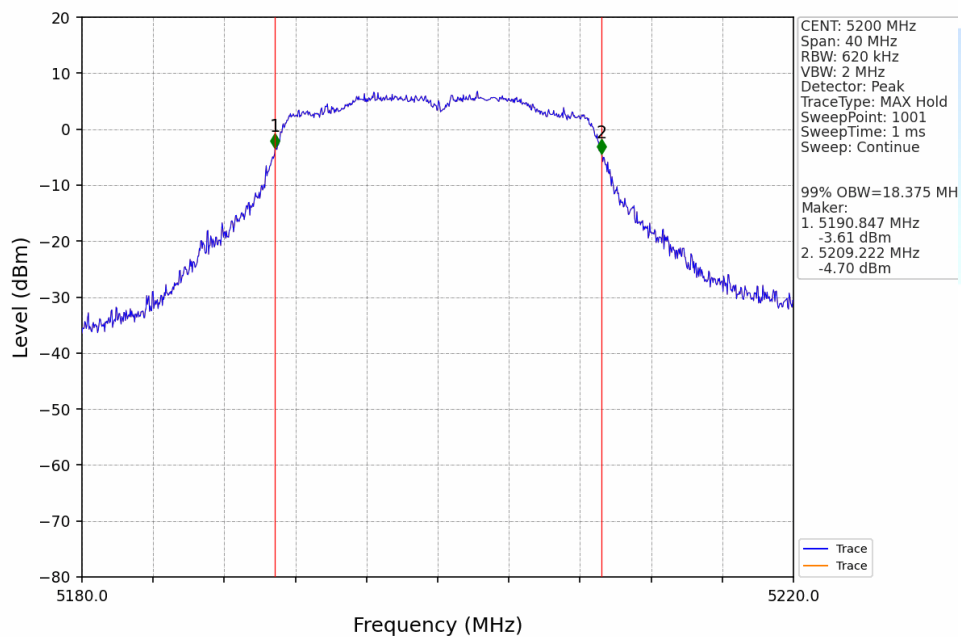
802.11n(HT40) HCH 5230MHz_Ant1_NTNV



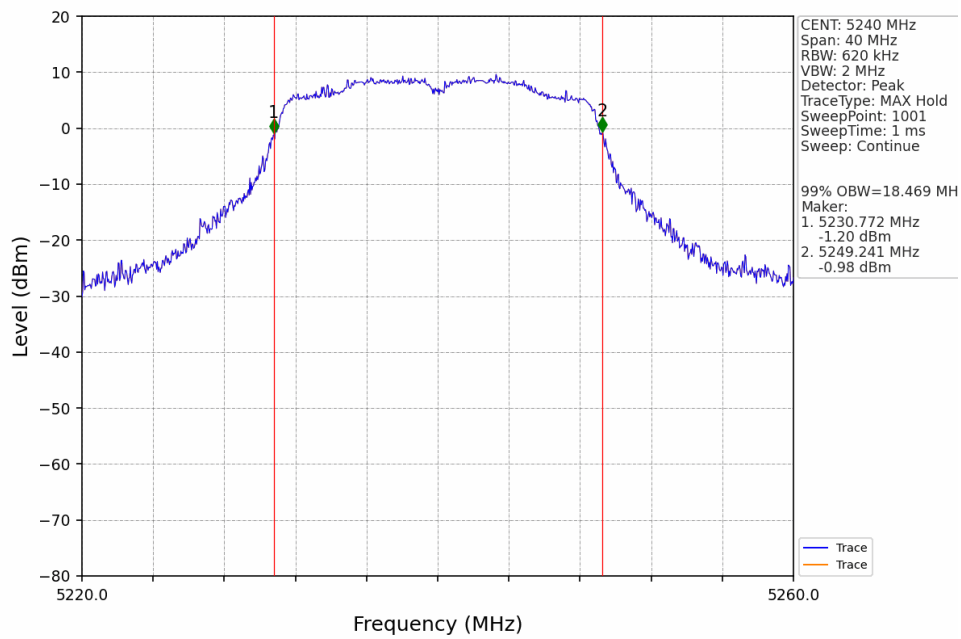
802.11ac(VHT20) LCH_5180MHz_Ant1_NTNV



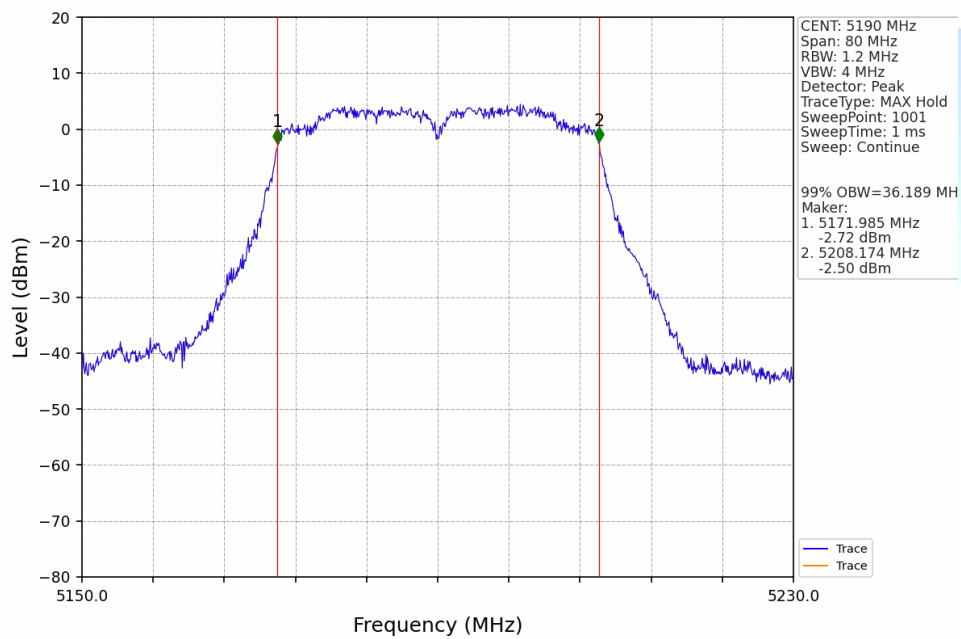
802.11ac(VHT20) MCH_5200MHz_Ant1_NTNV



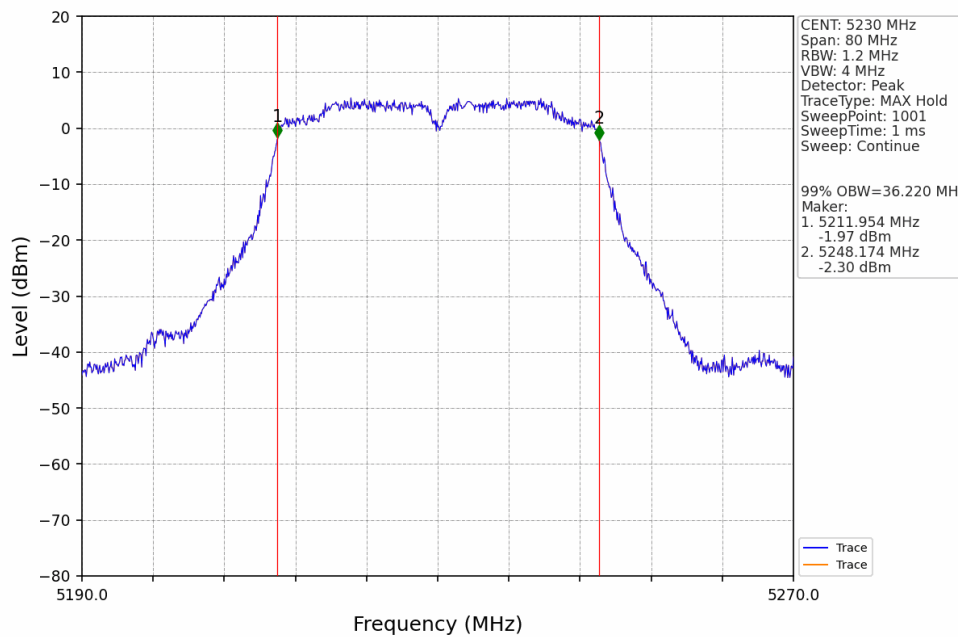
802.11ac(VHT20) HCH 5240MHz Ant1_NTNV



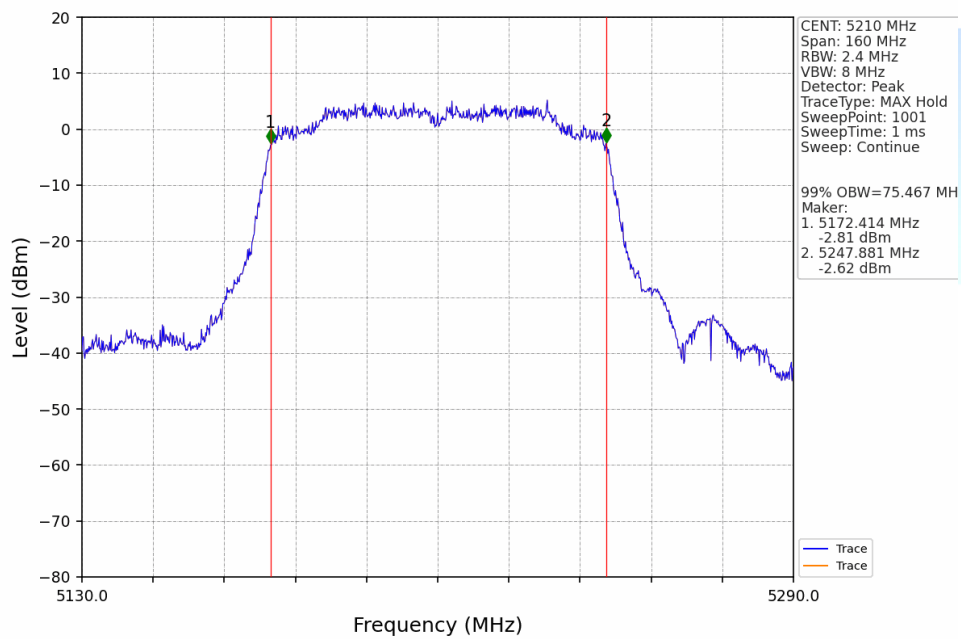
802.11ac(VHT40) LCH 5190MHz Ant1_NTNV



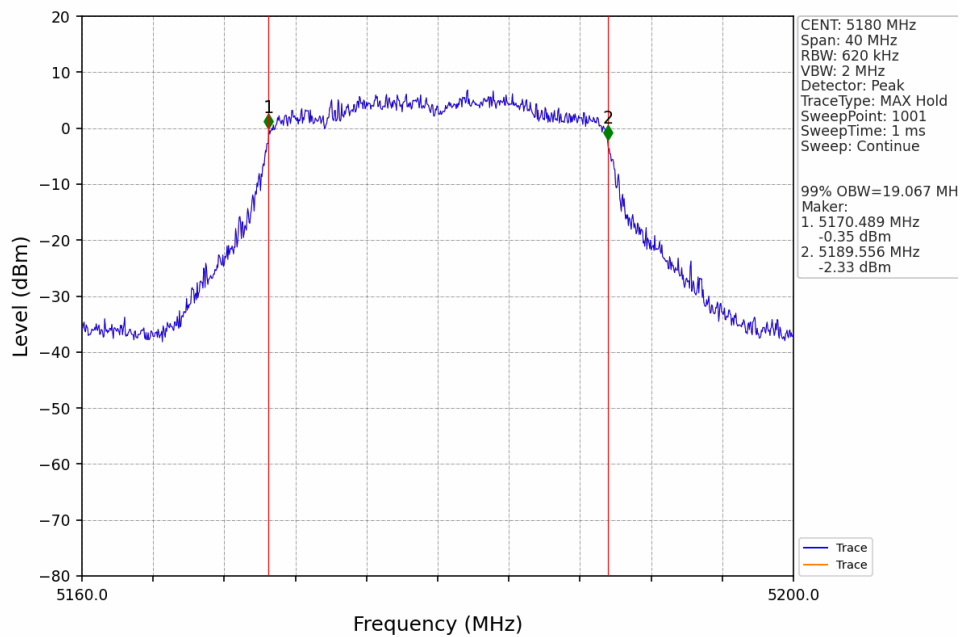
802.11ac(VHT40) HCH 5230MHz Ant1_NTNV



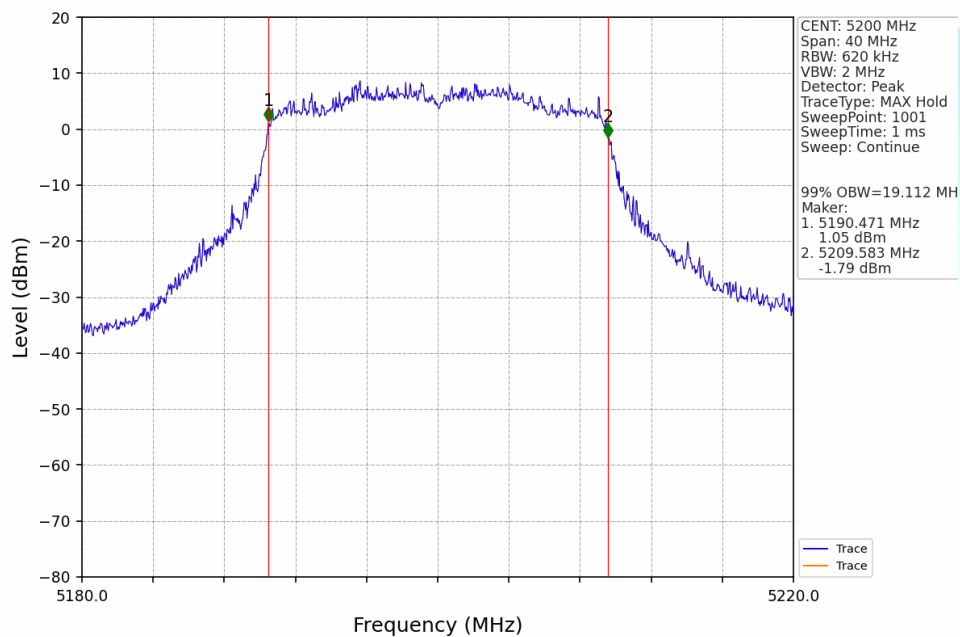
802.11ac(VHT80) MCH 5210MHz Ant1_NTNV



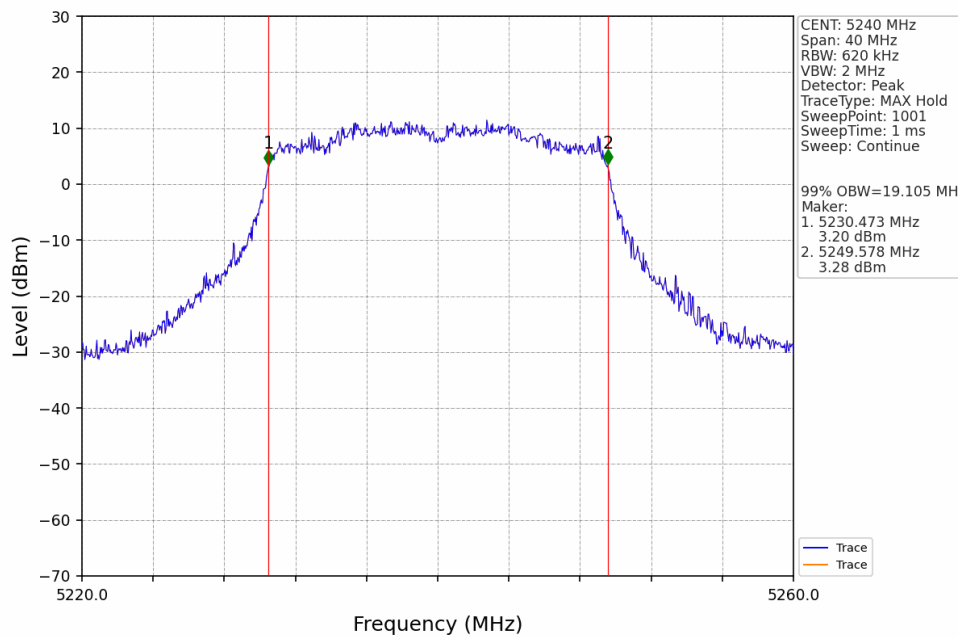
802.11ax(HEW20)_LCH_5180MHz_SU_ / Ant1_NTNV



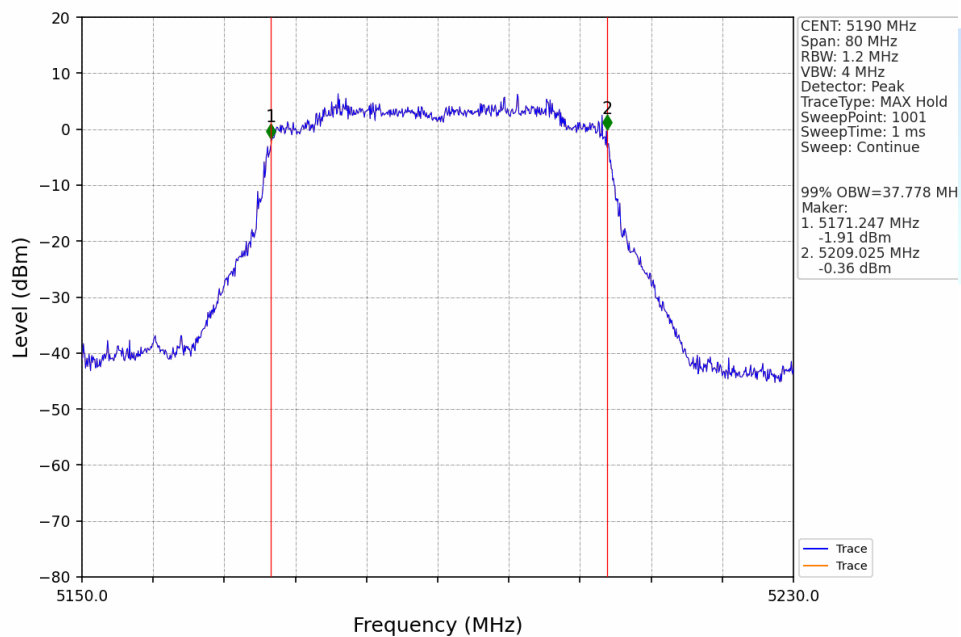
802.11ax(HEW20)_MCH_5200MHz_SU_ / Ant1_NTNV



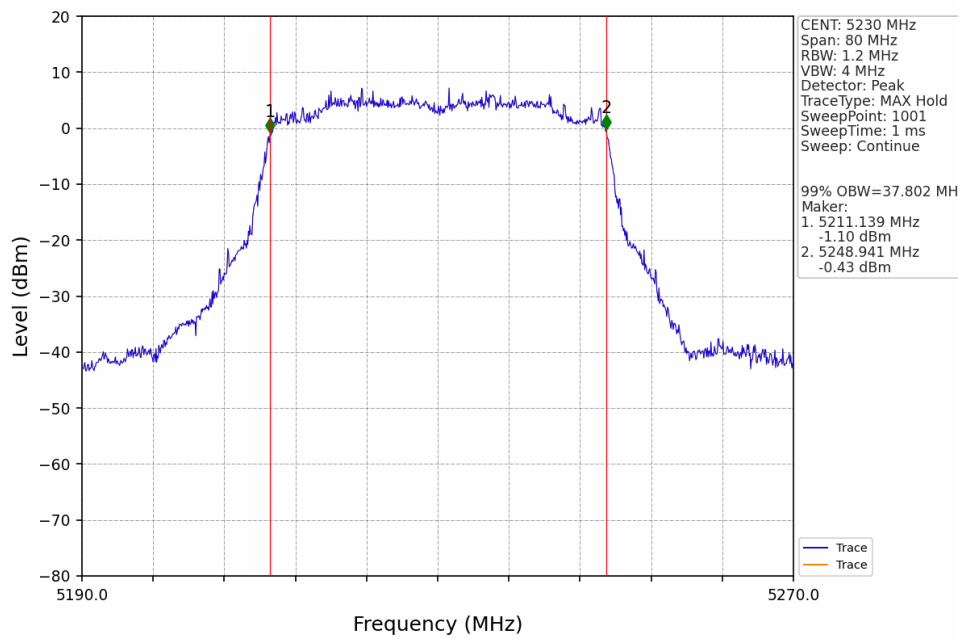
802.11ax(HEW20)_HCH_5240MHz_SU / Ant1_NTNV



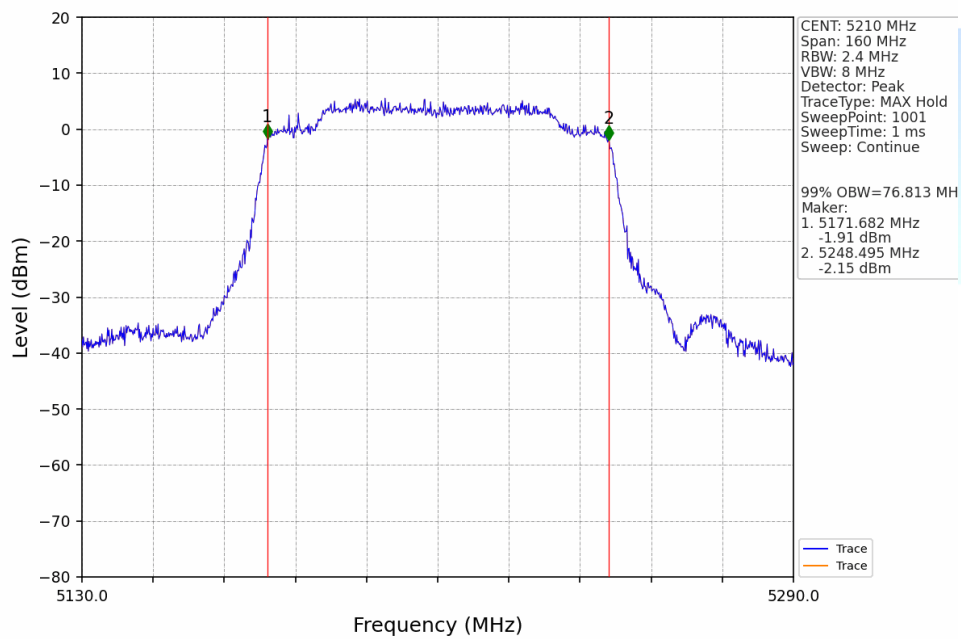
802.11ax(HEW40)_LCH_5190MHz_SU / Ant1_NTNV



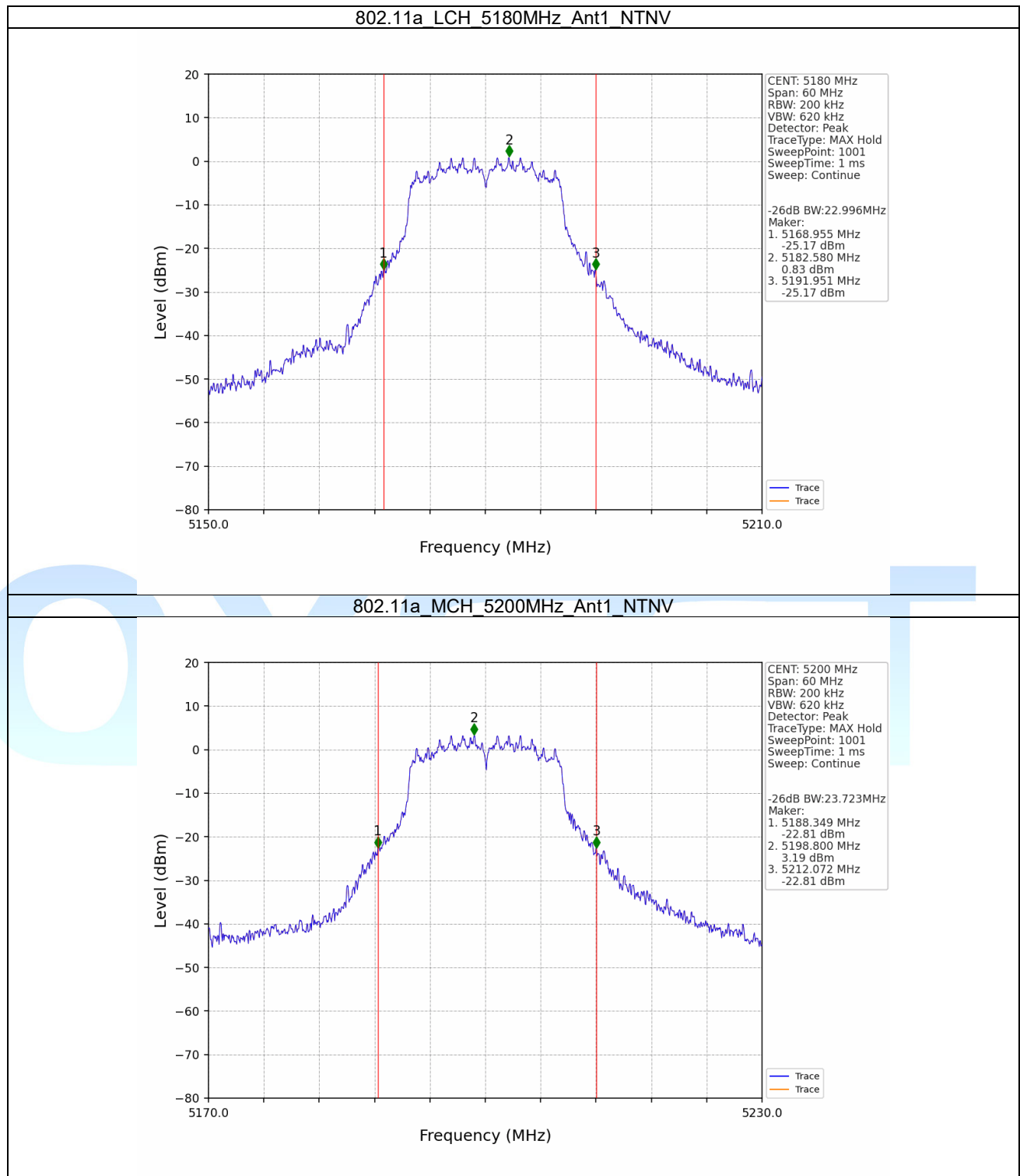
802.11ax(HEW40)_HCH_5230MHz_SU / Ant1_NTNV



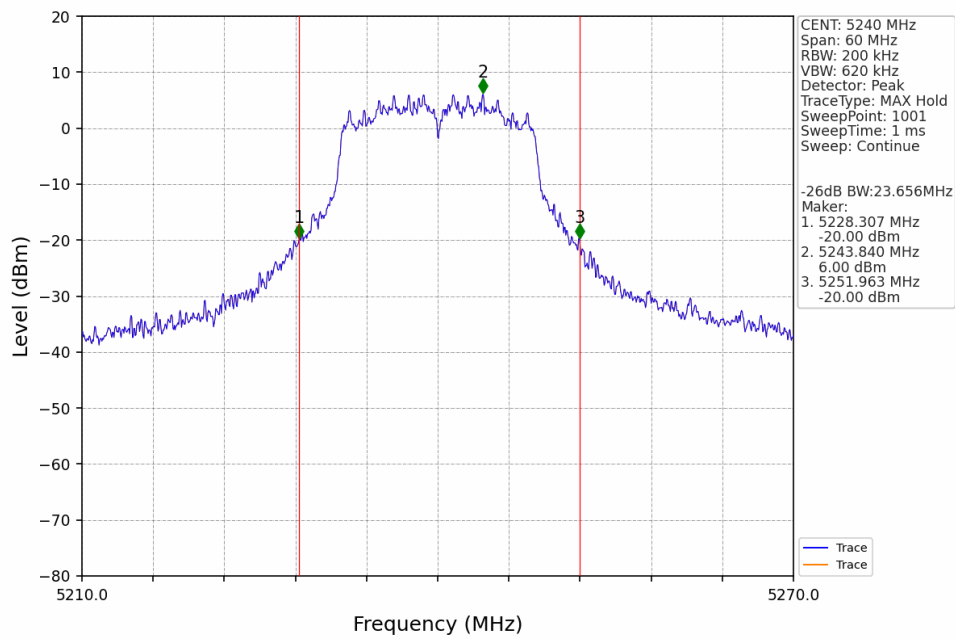
802.11ax(HEW80)_MCH_5210MHz_SU / Ant1_NTNV



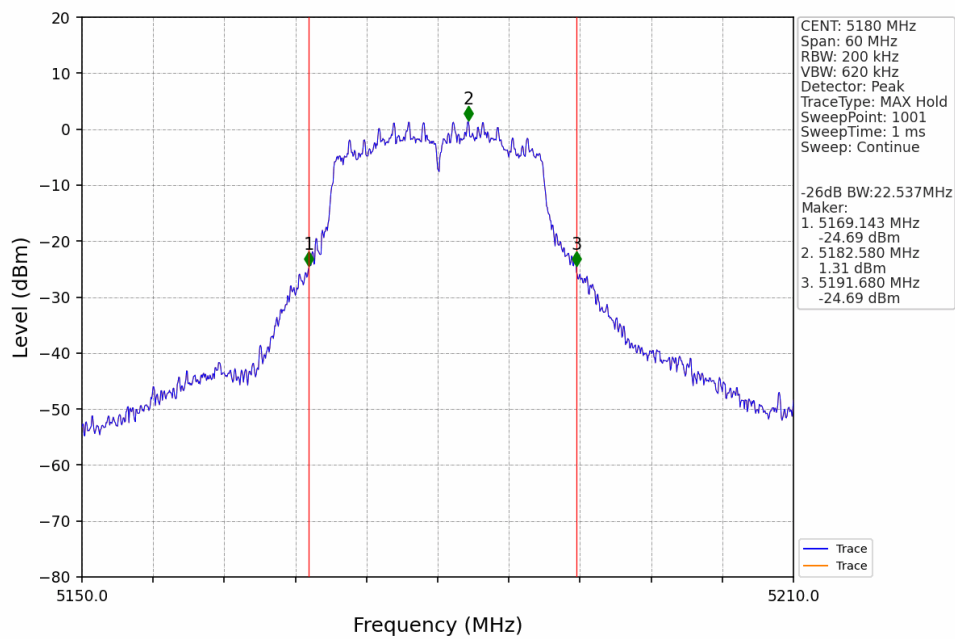
2.2.2 26dB BW



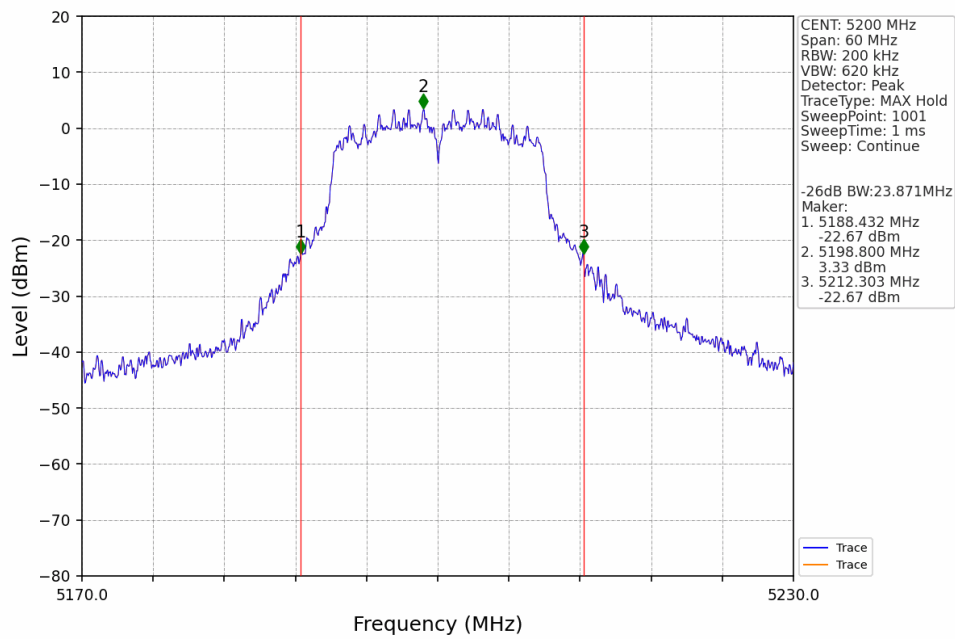
802.11a_HCH_5240MHz_Ant1_NTNV



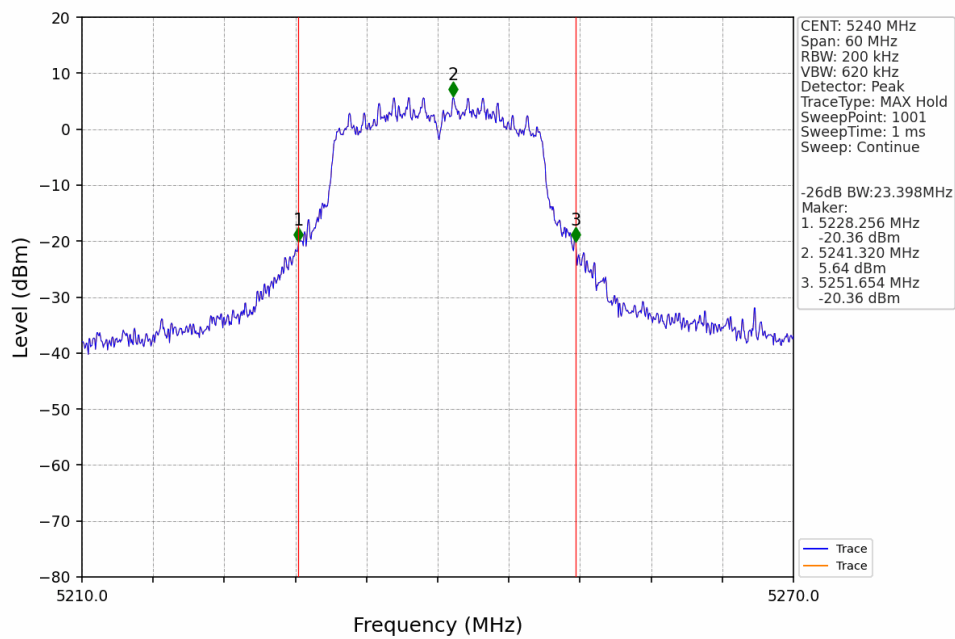
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



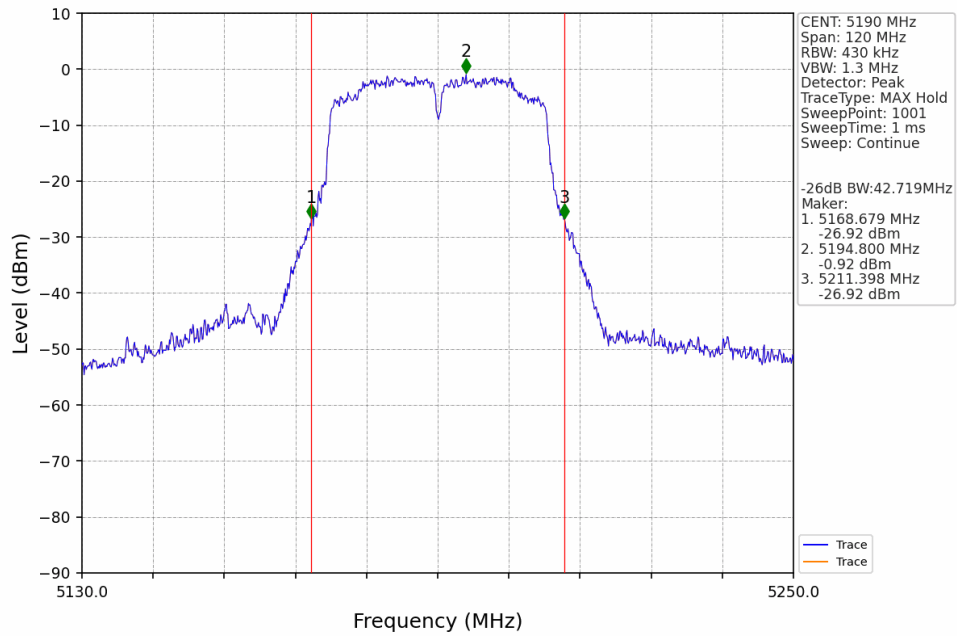
802.11n(HT20) MCH 5200MHz_Ant1_NTNV



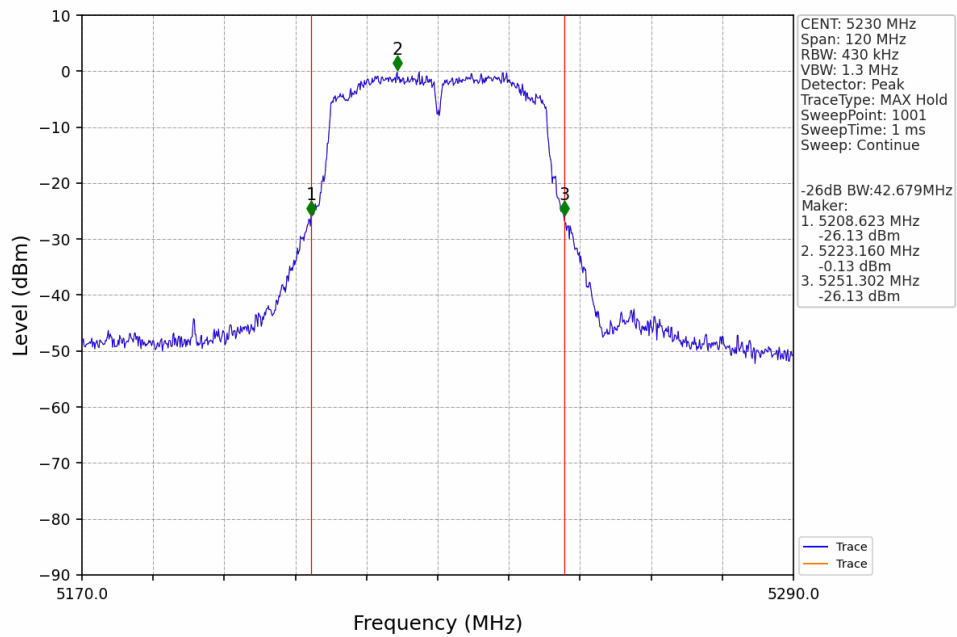
802.11n(HT20) HCH 5240MHz_Ant1_NTNV



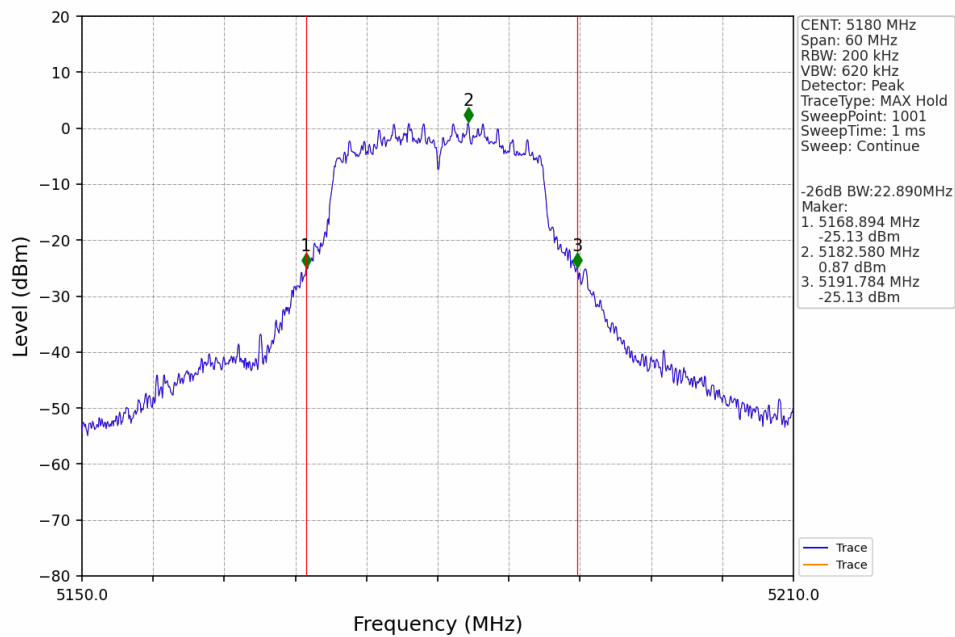
802.11n(HT40) LCH 5190MHz_Ant1_NTNV



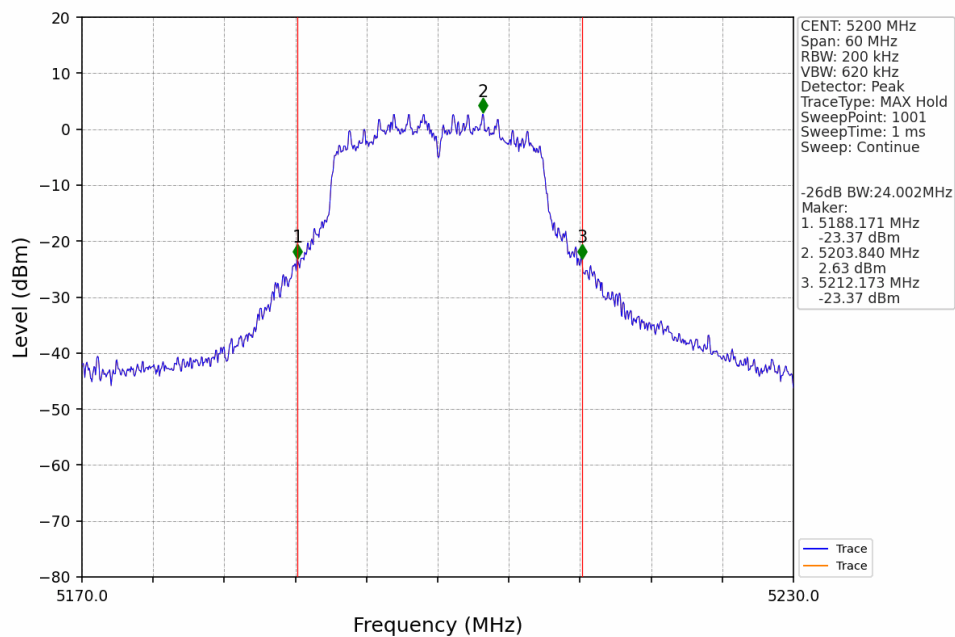
802.11n(HT40) HCH 5230MHz_Ant1_NTNV



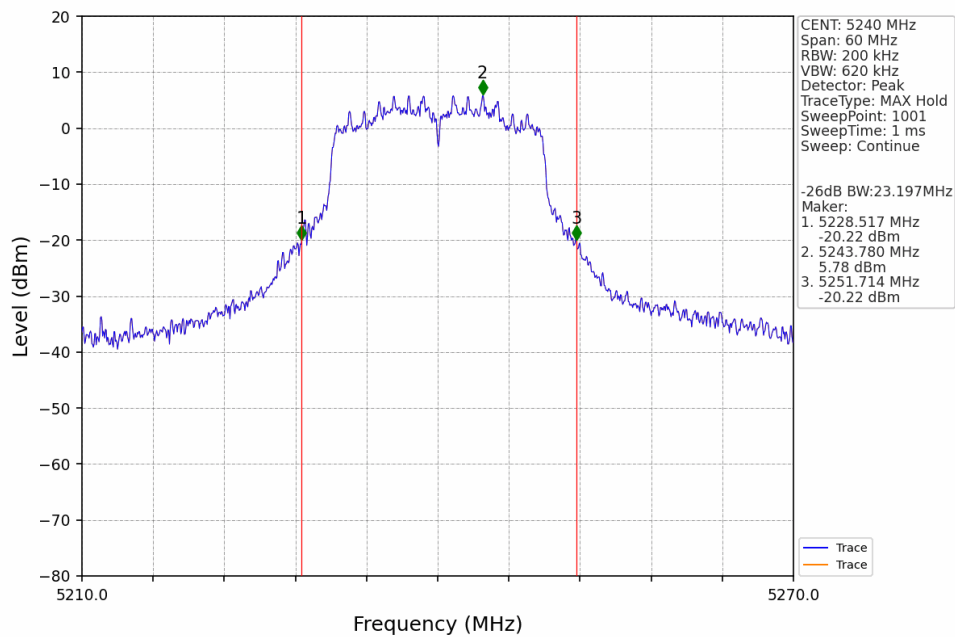
802.11ac(VHT20) LCH_5180MHz_Ant1_NTNV



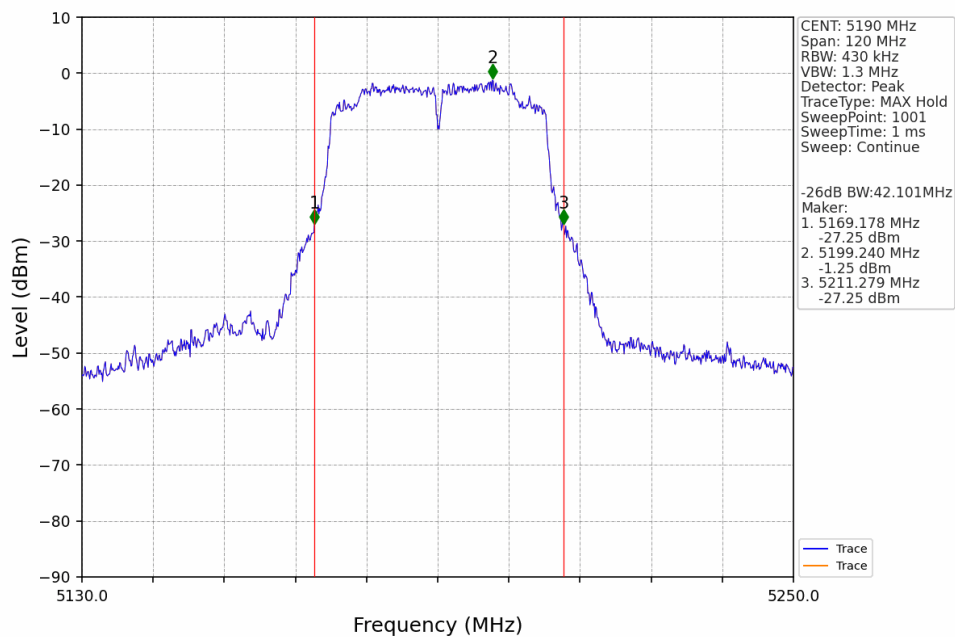
802.11ac(VHT20) MCH_5200MHz_Ant1_NTNV



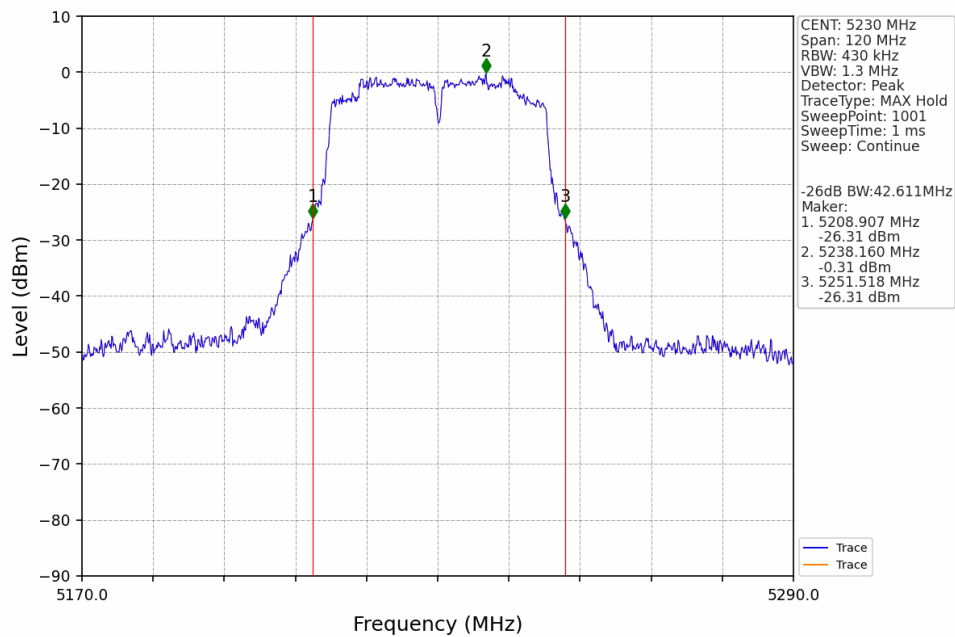
802.11ac(VHT20) HCH 5240MHz_Ant1_NTNV



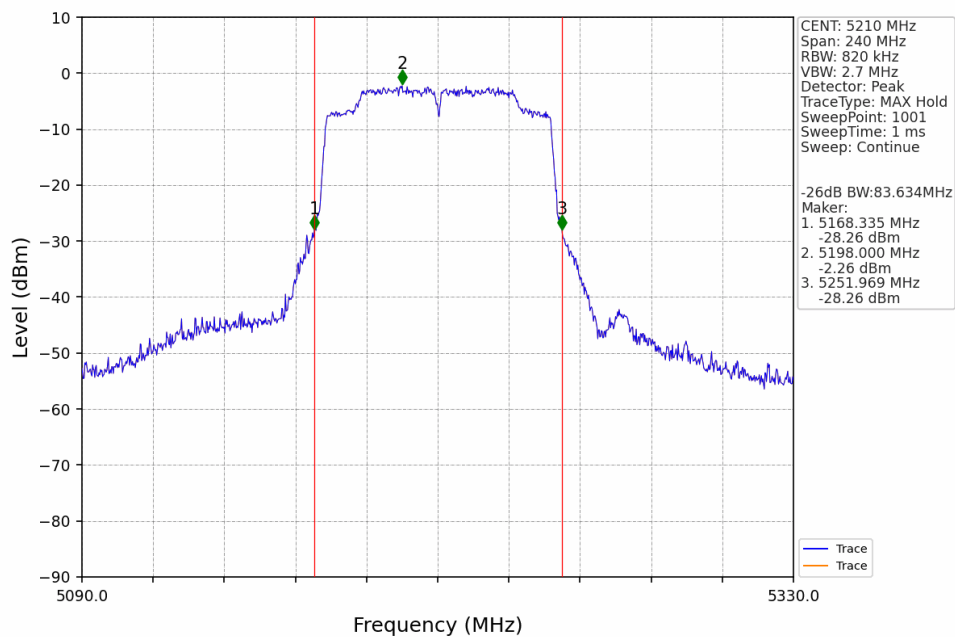
802.11ac(VHT40) LCH 5190MHz_Ant1_NTNV



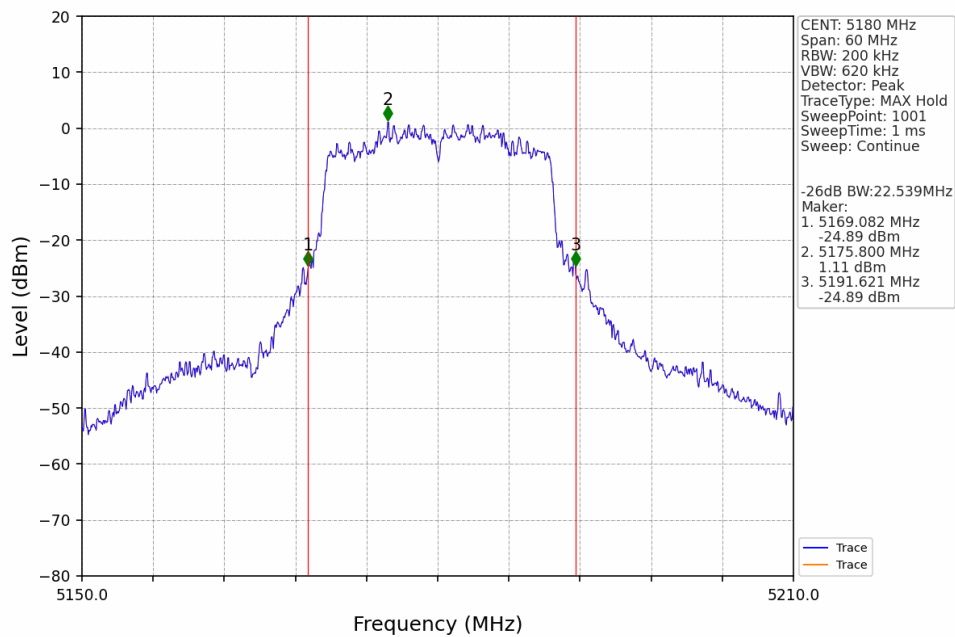
802.11ac(VHT40) HCH 5230MHz_Ant1_NTNV



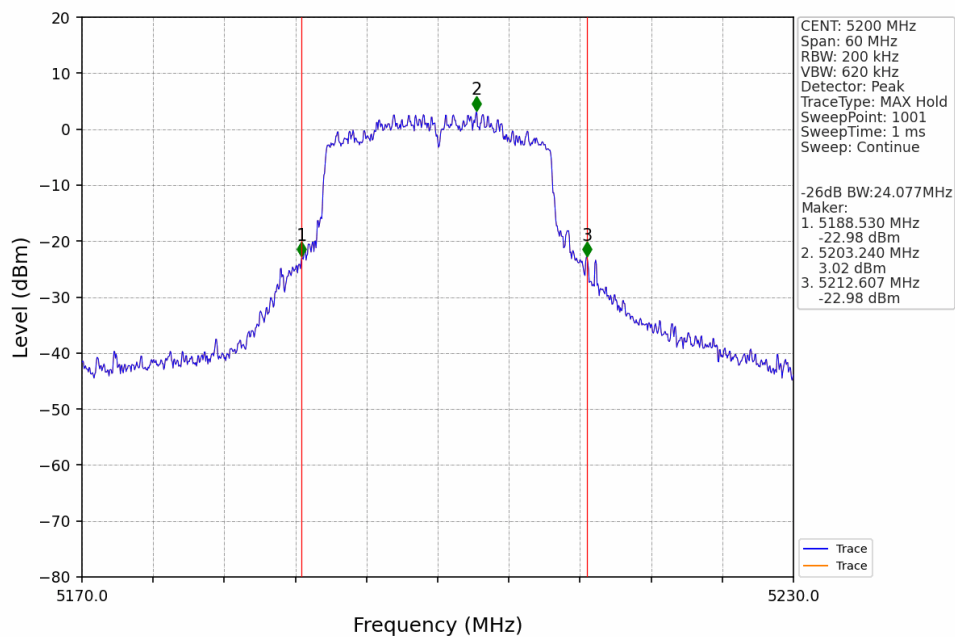
802.11ac(VHT80) MCH 5210MHz_Ant1_NTNV



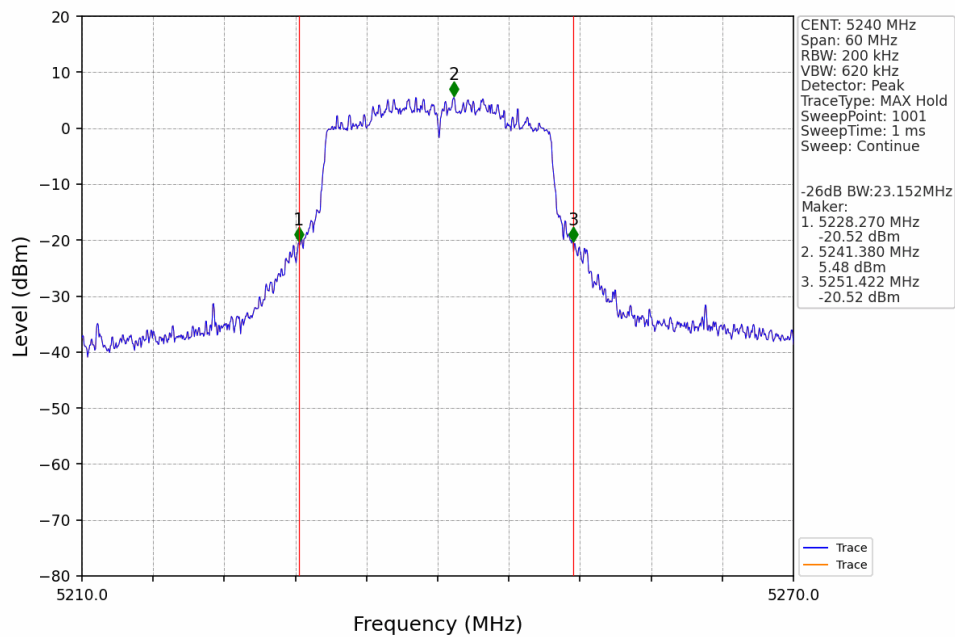
802.11ax(HEW20)_LCH_5180MHz_SU_ / Ant1_NTNV



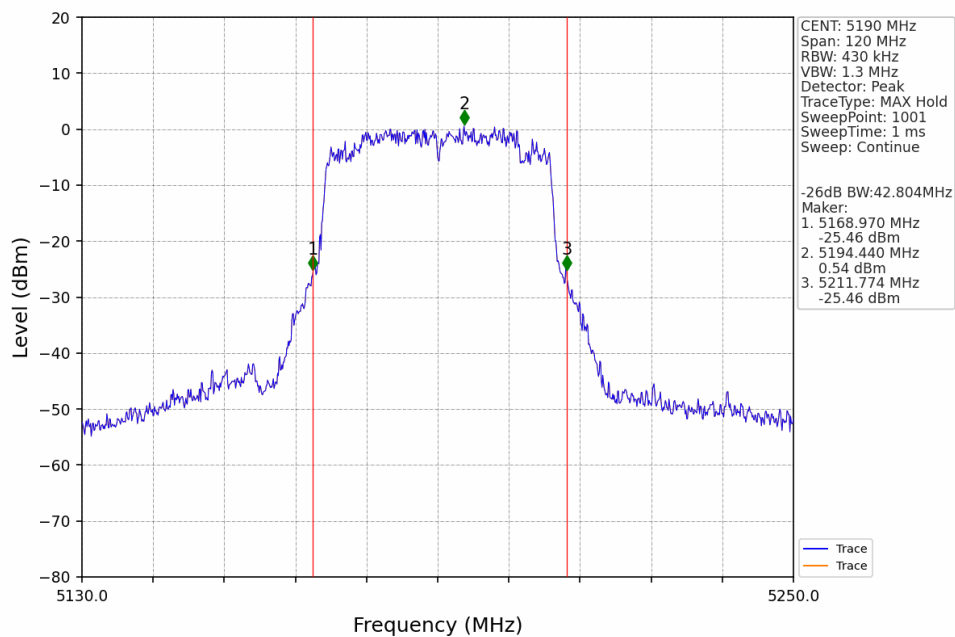
802.11ax(HEW20)_MCH_5200MHz_SU_ / Ant1_NTNV



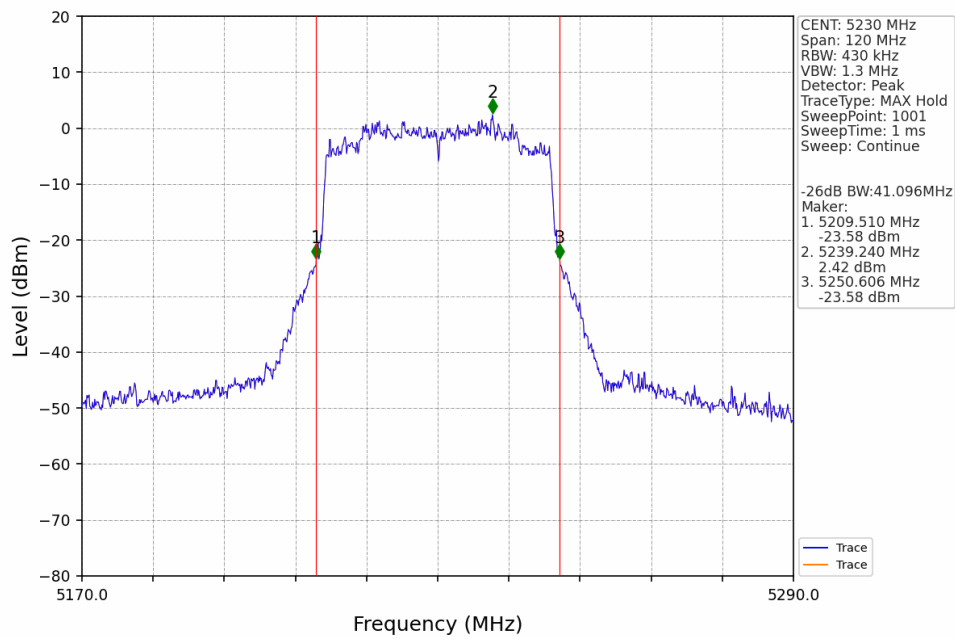
802.11ax(HEW20)_HCH_5240MHz_SU / Ant1_NTNV



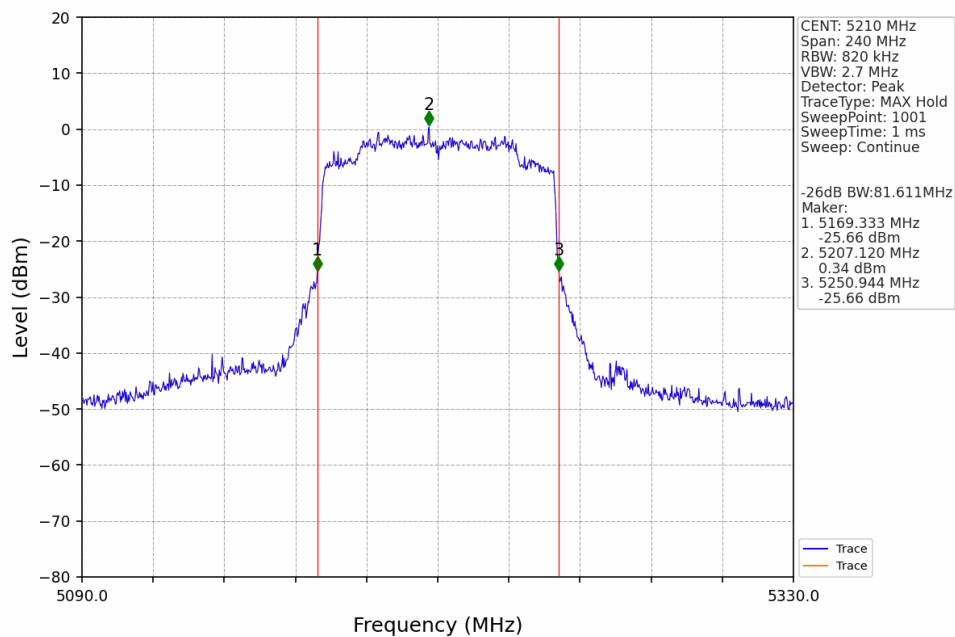
802.11ax(HEW40)_LCH_5190MHz_SU / Ant1_NTNV



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	/	/	9.99	<=23.98	Pass
		5200	/	/	11.93	<=23.98	Pass
		5240	/	/	14.85	<=23.98	Pass
802.11n (HT20)	SISO	5180	/	/	9.86	<=23.98	Pass
		5200	/	/	12.06	<=23.98	Pass
		5240	/	/	14.49	<=23.98	Pass
802.11n (HT40)	SISO	5190	/	/	8.85	<=23.98	Pass
		5230	/	/	9.34	<=23.98	Pass
802.11ac (VHT20)	SISO	5180	/	/	9.70	<=23.98	Pass
		5200	/	/	11.80	<=23.98	Pass
		5240	/	/	14.60	<=23.98	Pass
802.11ac (VHT40)	SISO	5190	/	/	8.46	<=23.98	Pass
		5230	/	/	9.35	<=23.98	Pass
802.11ac (VHT80)	SISO	5210	/	/	7.79	<=23.98	Pass
802.11ax (HEW20)	SISO	5180	SU	/	9.75	<=23.98	Pass
		5200	SU	/	11.59	<=23.98	Pass
		5240	SU	/	14.14	<=23.98	Pass
802.11ax (HEW40)	SISO	5190	SU	/	8.53	<=23.98	Pass
		5230	SU	/	9.53	<=23.98	Pass
802.11ax (HEW80)	SISO	5210	SU	/	8.02	<=23.98	Pass
Note1: Antenna Gain: Ant1: 2.20dBi;							

4. Maximum Power Spectral Density

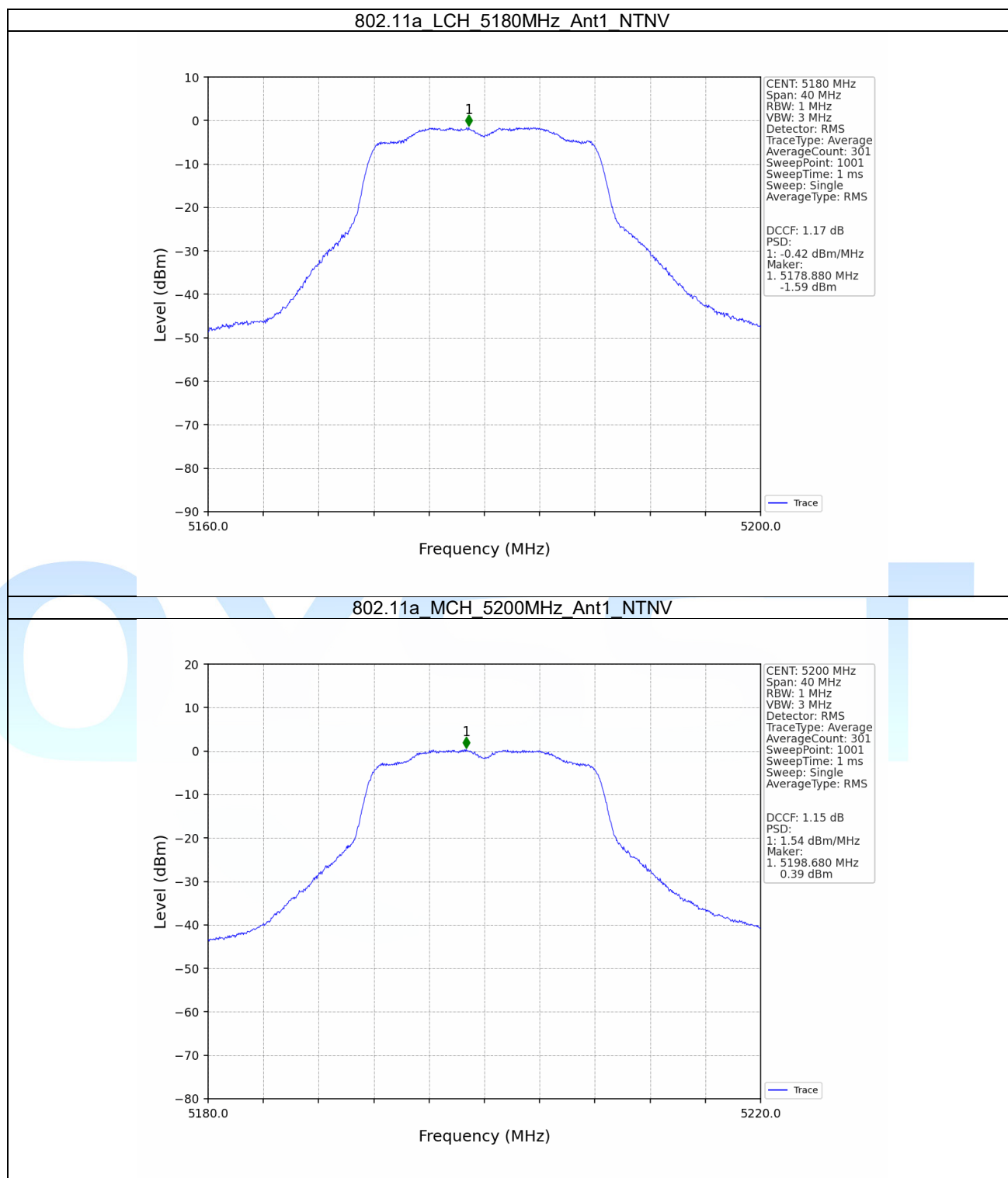
4.1 Test Result

4.1.1 PSD

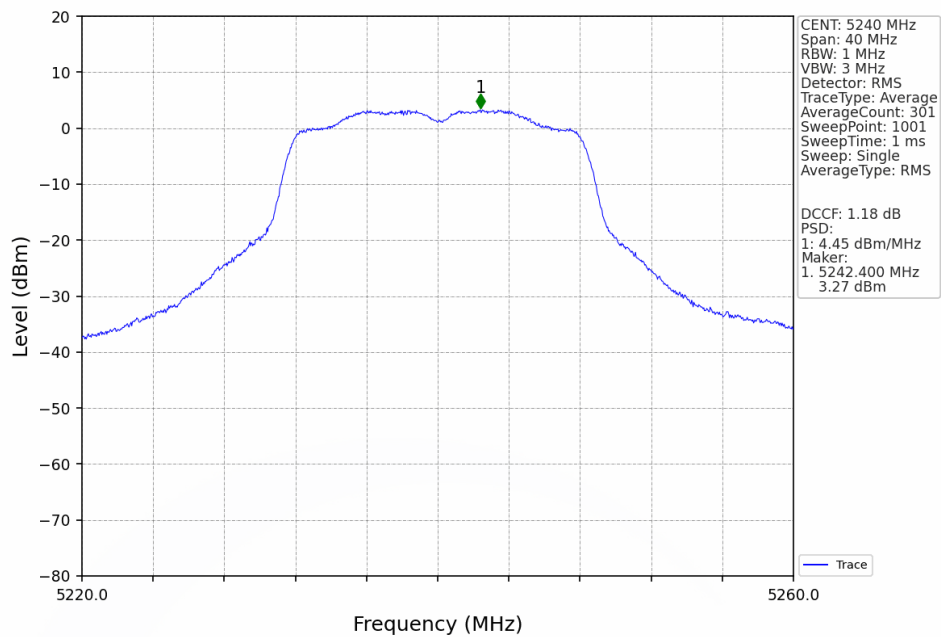
Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum PSD (dBm/MHz)		Verdict
					ANT1	Limit	
802.11a	SISO	5180	/	/	-0.42	<=11	Pass
		5200	/	/	1.54	<=11	Pass
		5240	/	/	4.45	<=11	Pass
802.11n (HT20)	SISO	5180	/	/	-0.71	<=11	Pass
		5200	/	/	1.42	<=11	Pass
		5240	/	/	3.83	<=11	Pass
802.11n (HT40)	SISO	5190	/	/	-5.11	<=11	Pass
		5230	/	/	-4.23	<=11	Pass
802.11ac (VHT20)	SISO	5180	/	/	-0.83	<=11	Pass
		5200	/	/	1.23	<=11	Pass
		5240	/	/	4.05	<=11	Pass
802.11ac (VHT40)	SISO	5190	/	/	-5.21	<=11	Pass
		5230	/	/	-4.48	<=11	Pass
802.11ac (VHT80)	SISO	5210	/	/	-8.83	<=11	Pass
802.11ax (HEW20)	SISO	5180	SU	/	-0.86	<=11	Pass
		5200	SU	/	1.04	<=11	Pass
		5240	SU	/	3.47	<=11	Pass
802.11ax (HEW40)	SISO	5190	SU	/	-5.50	<=11	Pass
		5230	SU	/	-4.58	<=11	Pass
802.11ax (HEW80)	SISO	5210	SU	/	-8.78	<=11	Pass
Note1: Antenna Gain: Ant1: 2.20dBi;							

4.2 Test Graph

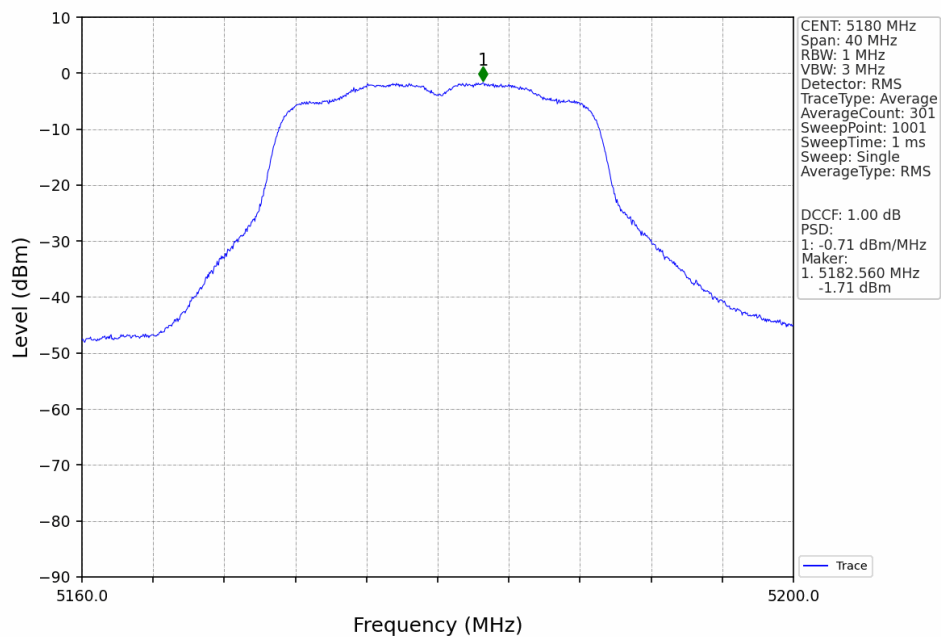
4.2.1 PSD



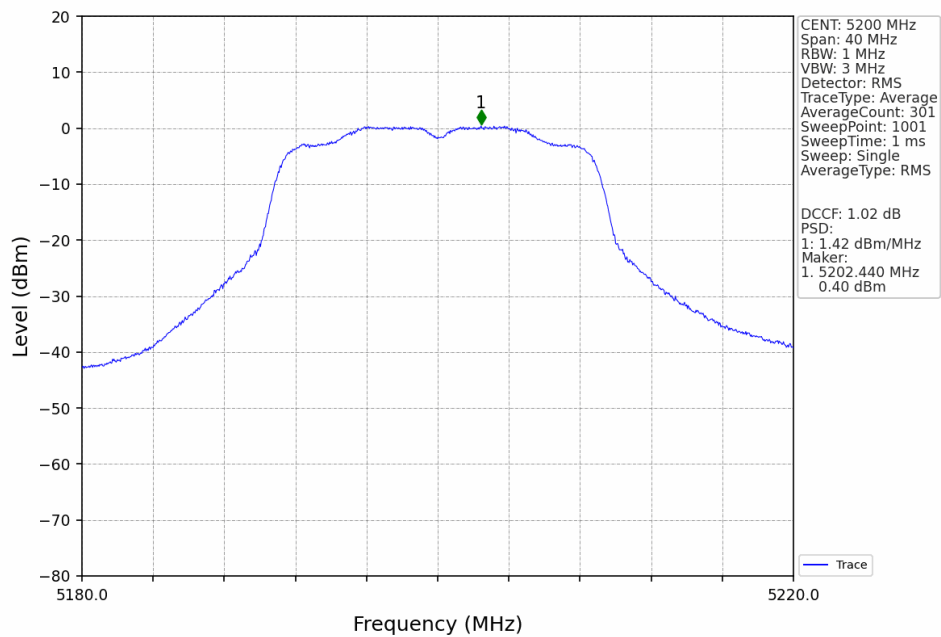
802.11a_HCH_5240MHz_Ant1_NTNV



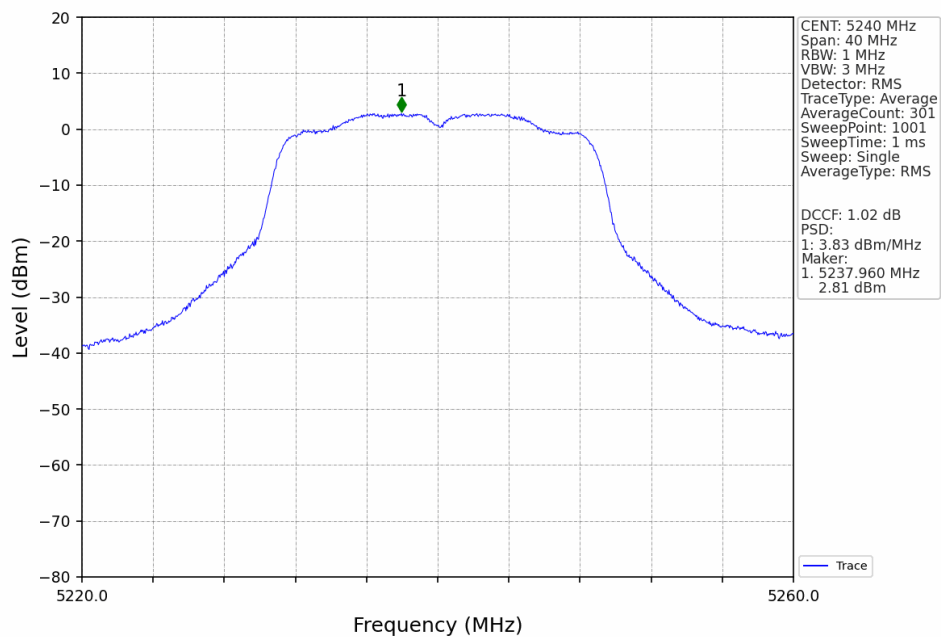
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



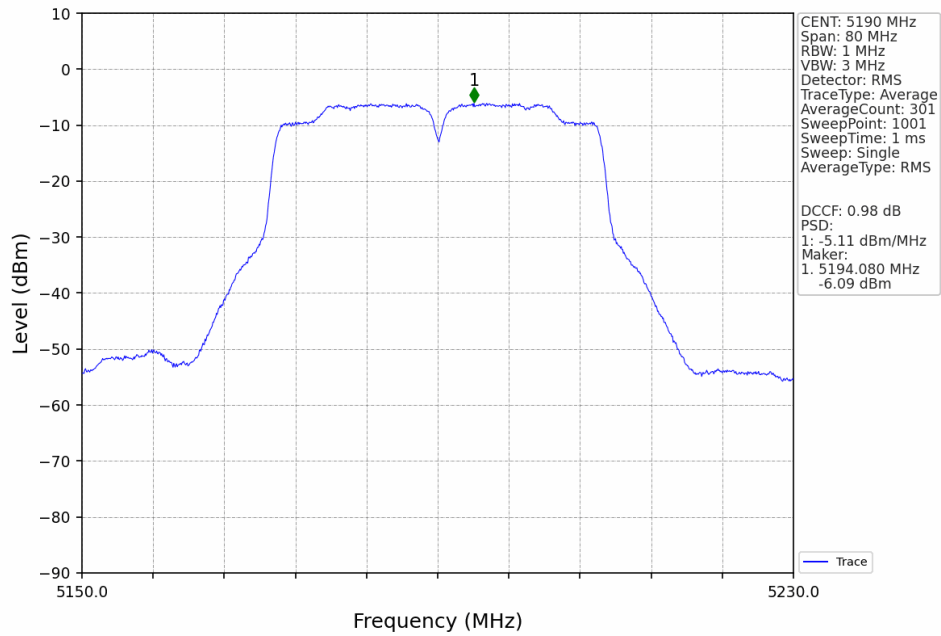
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



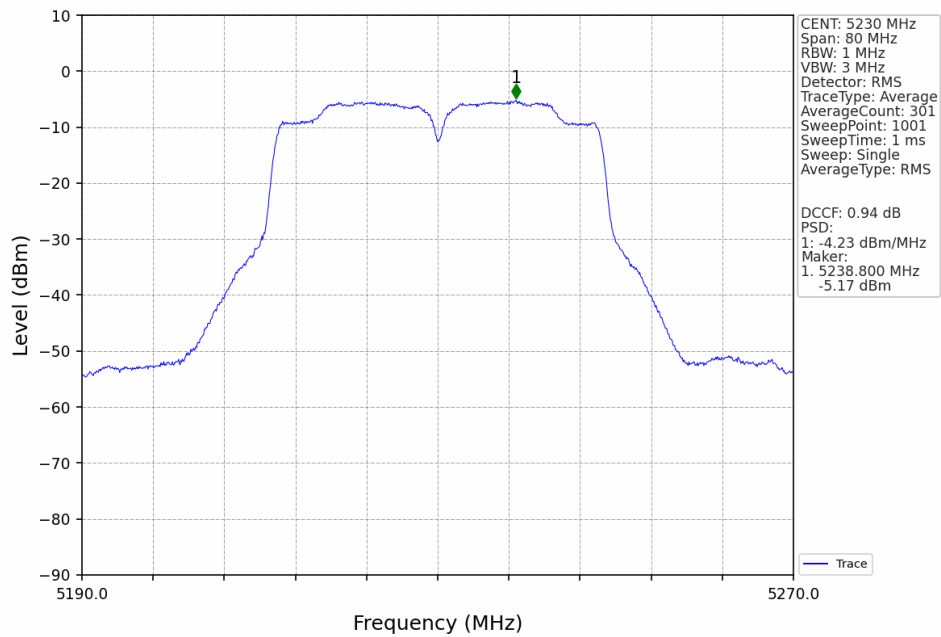
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



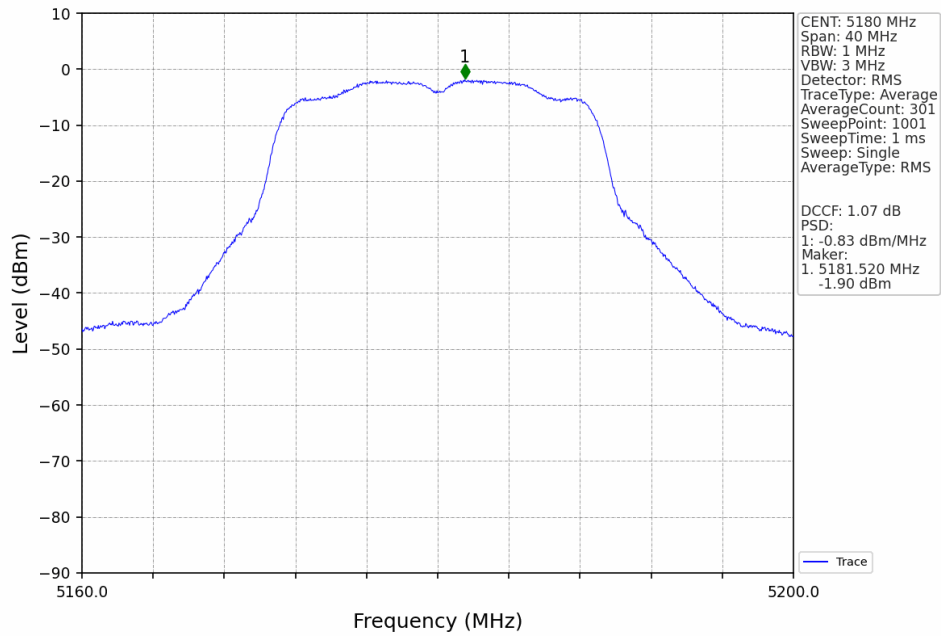
802.11n(HT40) LCH 5190MHz_Ant1_NTNV



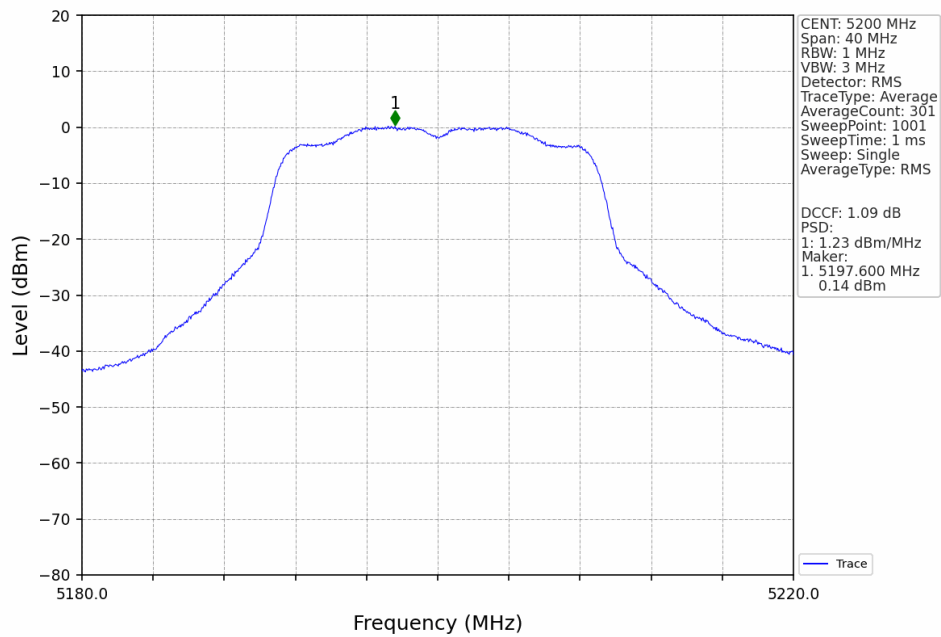
802.11n(HT40) HCH 5230MHz_Ant1_NTNV



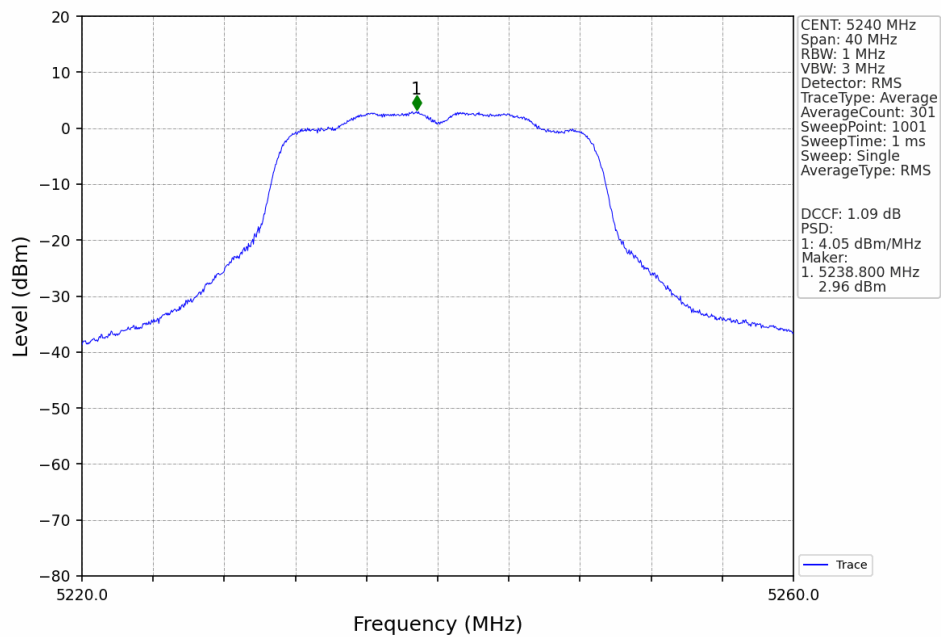
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



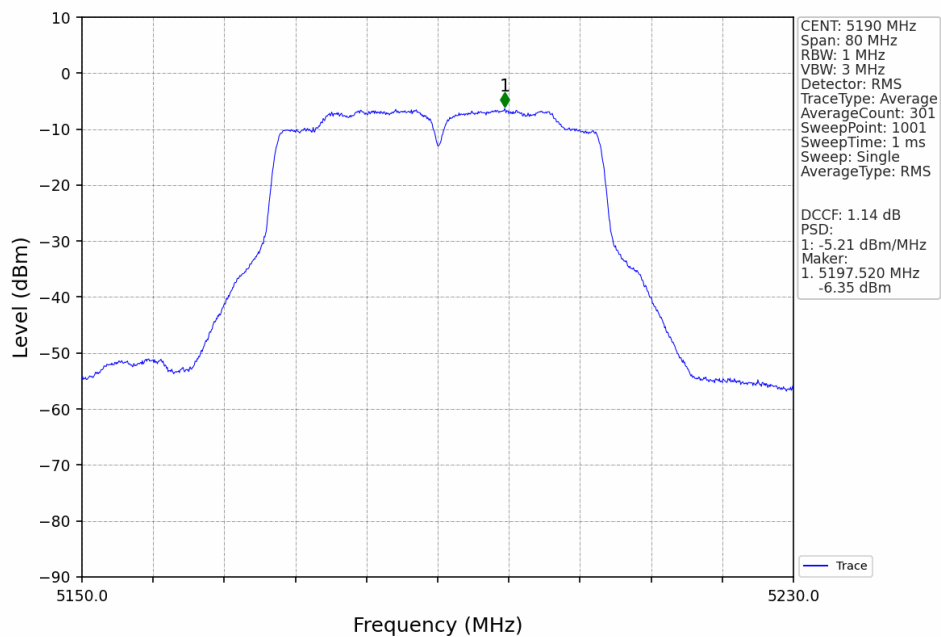
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



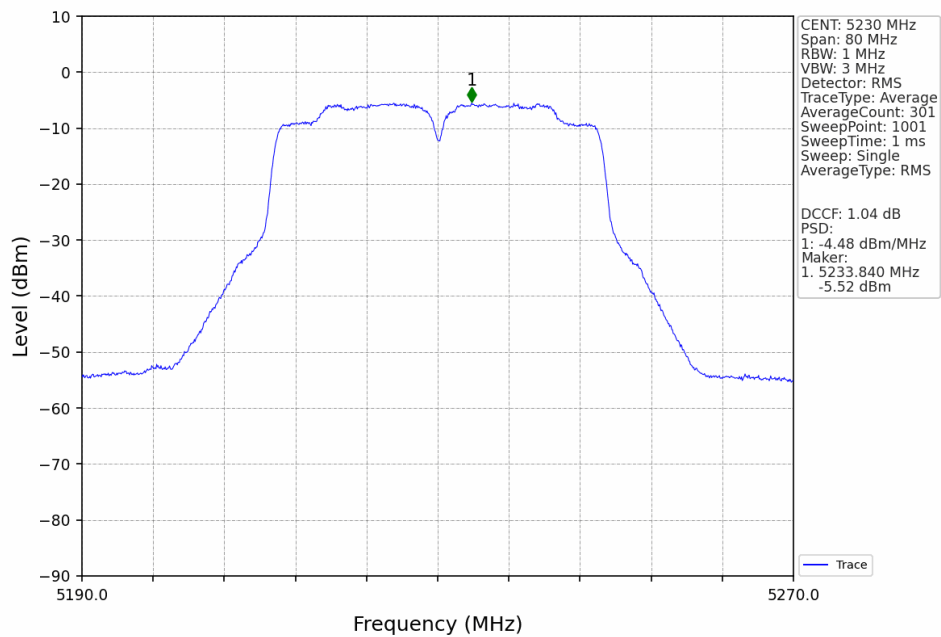
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



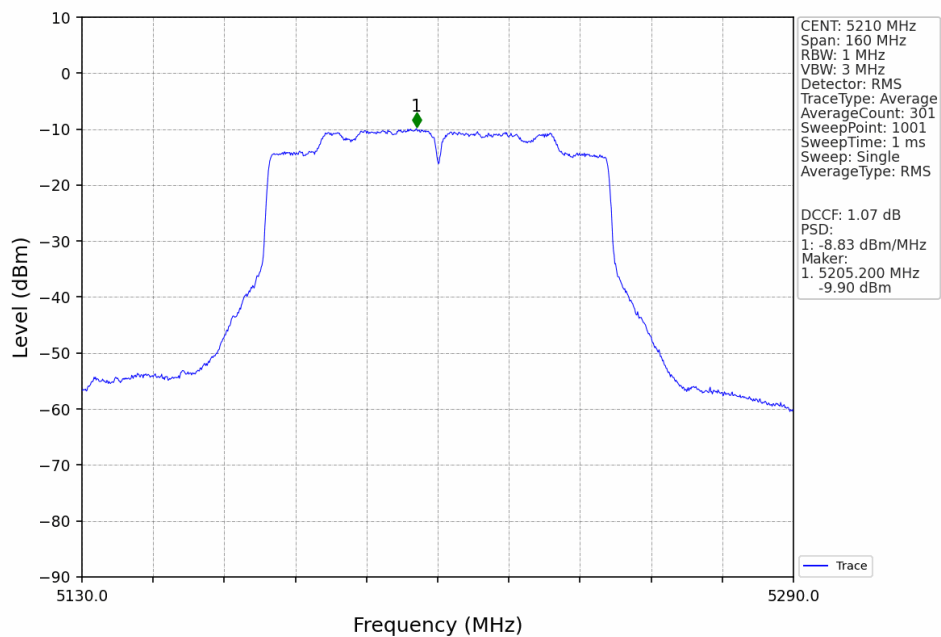
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



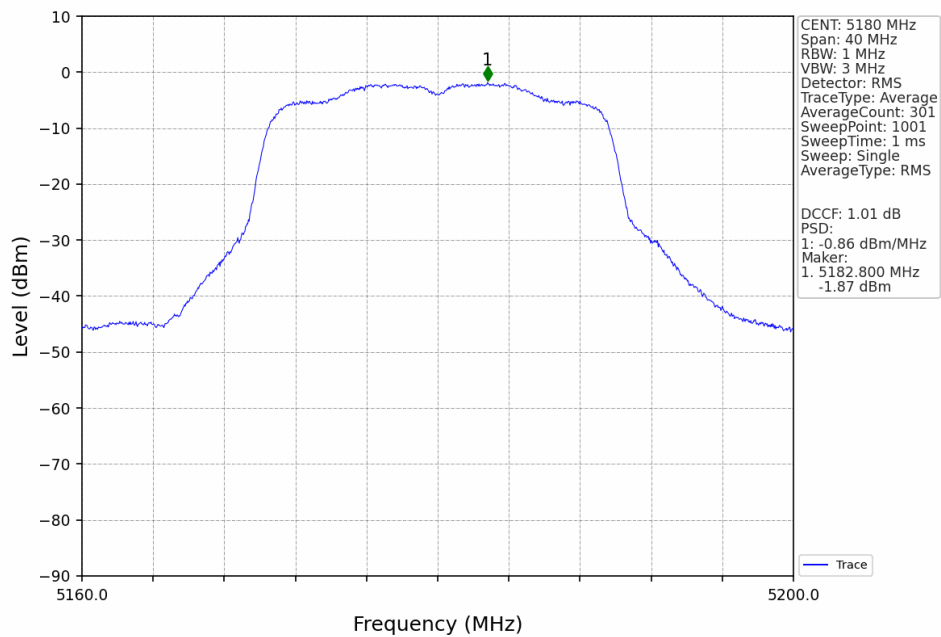
802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



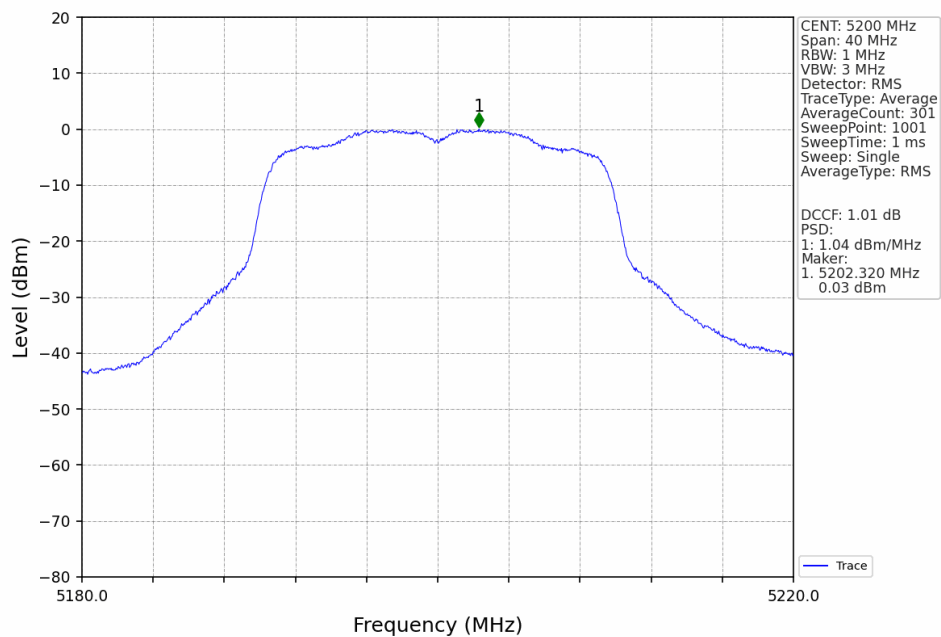
802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



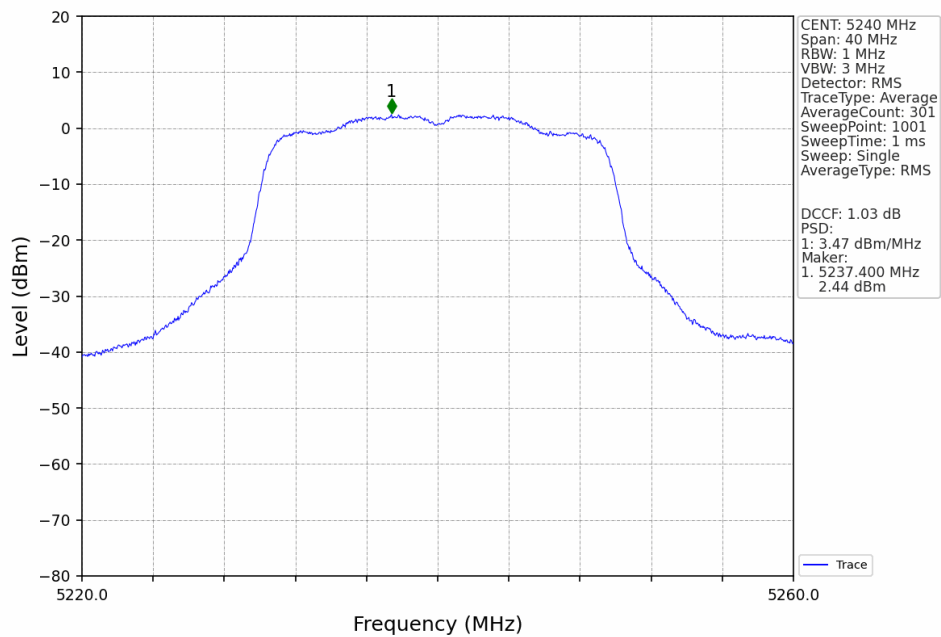
802.11ax(HEW20)_LCH_5180MHz_SU_ / _Ant1_NTNV



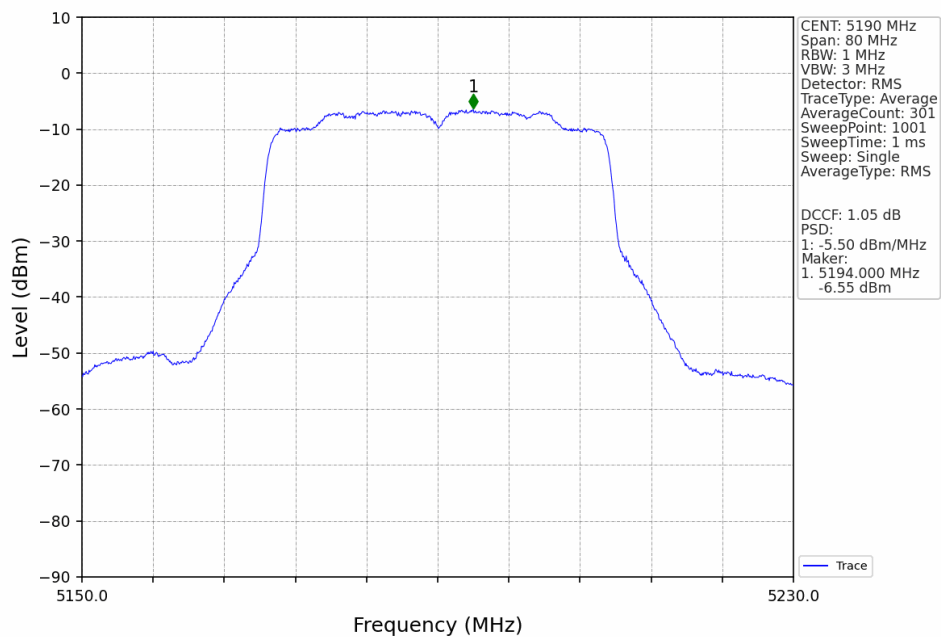
802.11ax(HEW20)_MCH_5200MHz_SU_ / _Ant1_NTNV



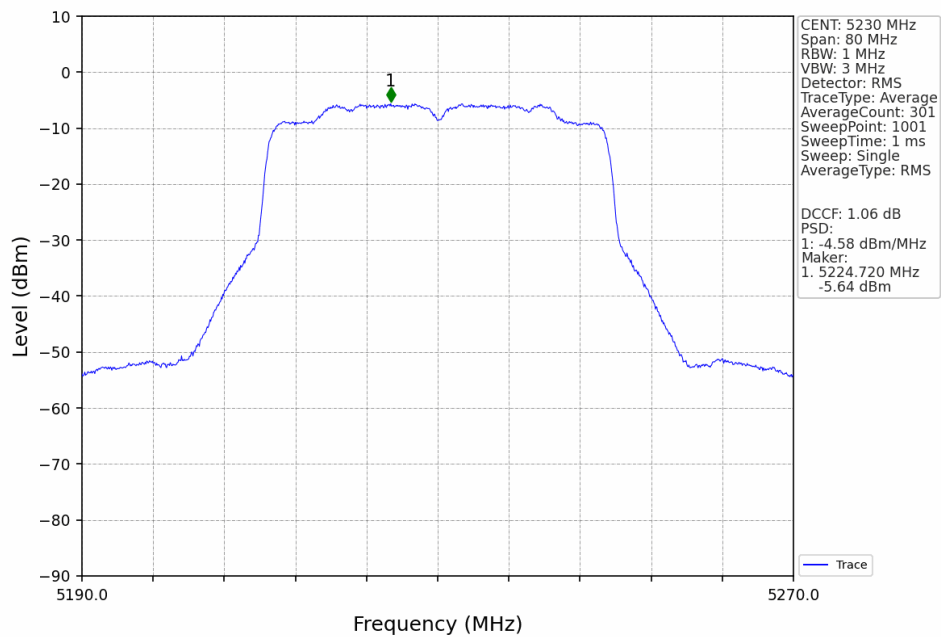
802.11ax(HEW20)_HCH_5240MHz_SU / Ant1_NTNV



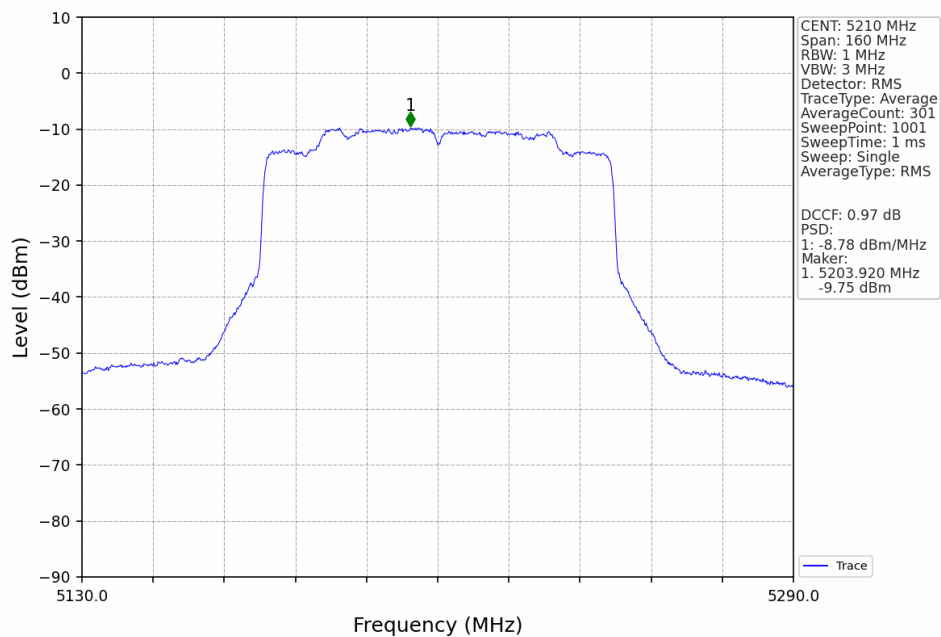
802.11ax(HEW40)_LCH_5190MHz_SU / Ant1_NTNV



802.11ax(HEW40)_HCH_5230MHz_SU / Ant1_NTNV



802.11ax(HEW80)_MCH_5210MHz_SU / Ant1_NTNV



5. Unwanted Emissions In Restricted Frequency Bands

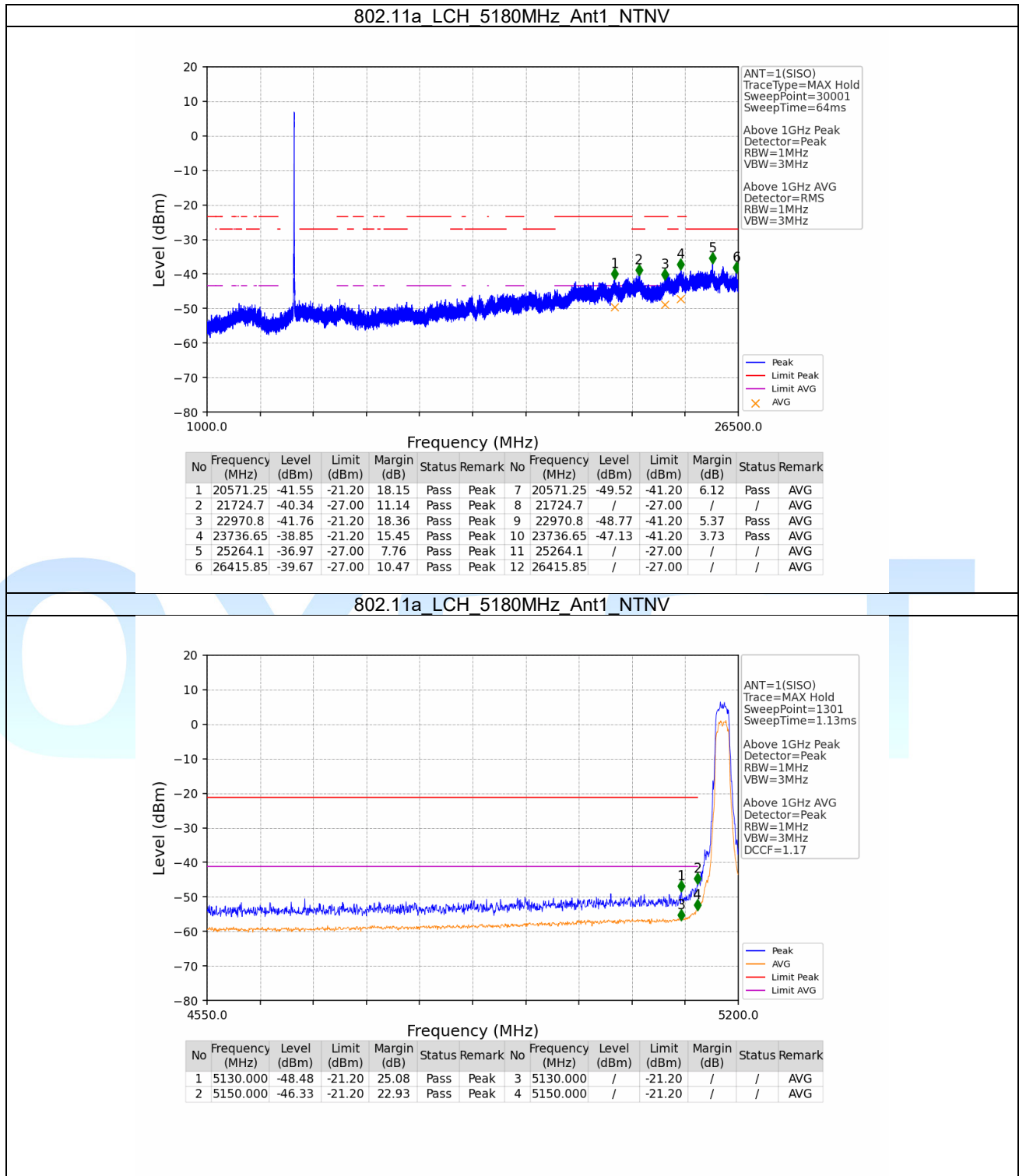
5.1 Test Result

5.1.1 RSE

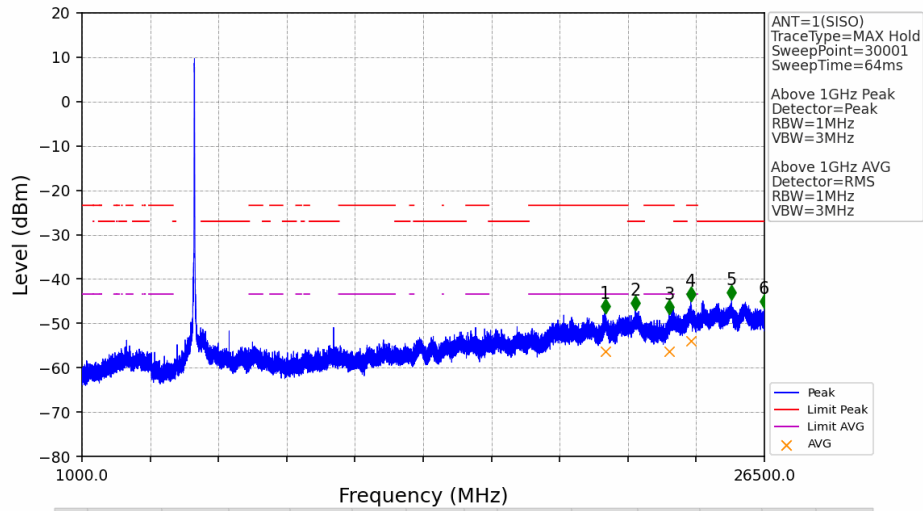
Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	Level of Unwanted Emissions (dBm)		Verdict
						Result	Limit	
802.11a	SISO	5180	/	/	1	Refer To Test Graph		Pass
		5200	/	/	1	Refer To Test Graph		Pass
		5240	/	/	1	Refer To Test Graph		Pass
802.11n (HT20)	SISO	5180	/	/	1	Refer To Test Graph		Pass
		5200	/	/	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

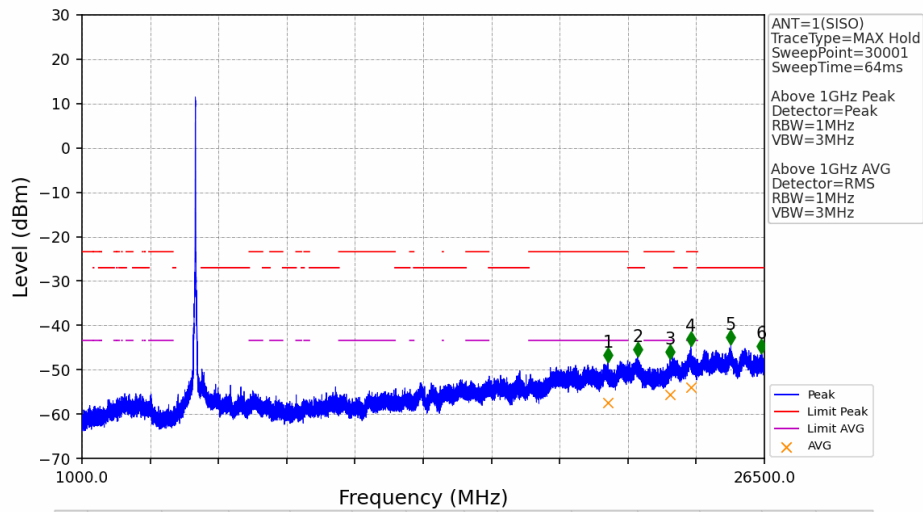


802.11a_MCH_5200MHz_Ant1_NTNV



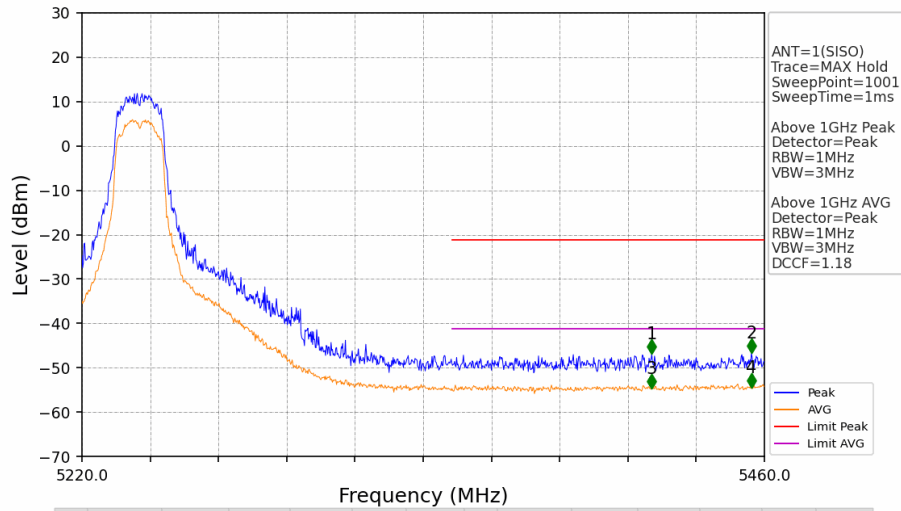
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	20548.3	-47.70	-21.20	24.30	Pass	Peak	7	20548.3	-56.33	-41.20	12.93	Pass	AVG
2	21678.8	-46.93	-27.00	17.73	Pass	Peak	8	21678.8	/	-27.00	/	/	AVG
3	22929.15	-47.88	-21.20	24.48	Pass	Peak	9	22929.15	-56.27	-41.20	12.87	Pass	AVG
4	23748.55	-44.90	-21.20	21.50	Pass	Peak	10	23748.55	-54.03	-41.20	10.63	Pass	AVG
5	25273.45	-44.52	-27.00	15.32	Pass	Peak	11	25273.45	/	-27.00	/	/	AVG
6	26488.95	-46.61	-27.00	17.41	Pass	Peak	12	26488.95	/	-27.00	/	/	AVG

802.11a_HCH_5240MHz_Ant1_NTNV



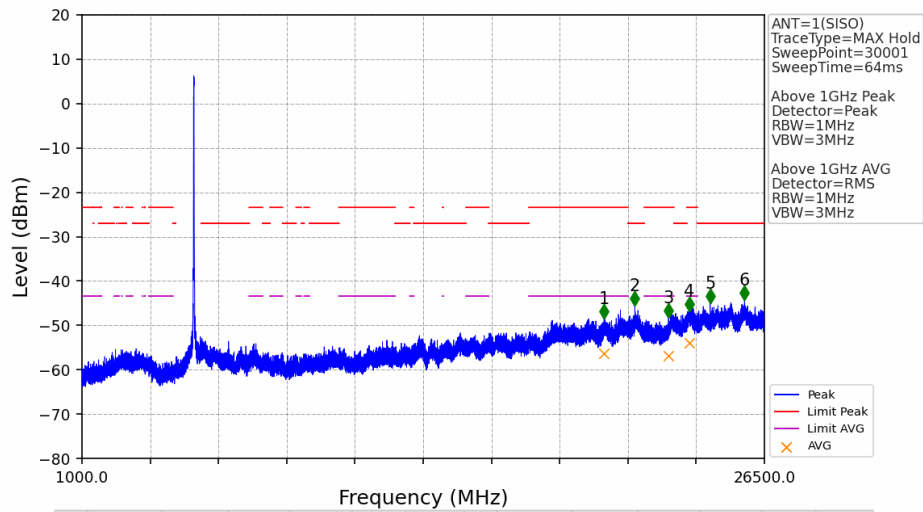
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	20653.7	-48.21	-21.20	24.81	Pass	Peak	7	20653.7	-57.34	-41.20	13.94	Pass	AVG
2	21762.1	-46.91	-27.00	17.71	Pass	Peak	8	21762.1	/	-27.00	/	/	AVG
3	22974.2	-47.46	-21.20	24.06	Pass	Peak	9	22974.2	-55.64	-41.20	12.24	Pass	AVG
4	23747.7	-44.63	-21.20	21.23	Pass	Peak	10	23747.7	-53.94	-41.20	10.54	Pass	AVG
5	25247.1	-44.25	-27.00	15.05	Pass	Peak	11	25247.1	/	-27.00	/	/	AVG
6	26389.5	-46.27	-27.00	17.07	Pass	Peak	12	26389.5	/	-27.00	/	/	AVG

802.11a_HCH_5240MHz_Ant1_NTNV



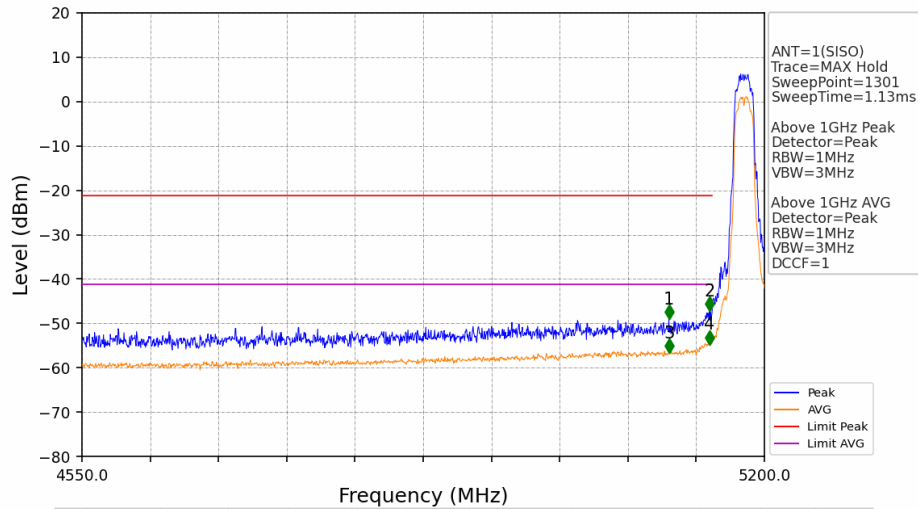
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark
1	5420.400	-46.88	-21.20	23.48	Pass Peak	3	5420.400	/	-21.20	/	/ AVG
2	5455.440	-46.65	-21.20	23.25	Pass Peak	4	5455.440	/	-21.20	/	/ AVG

802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



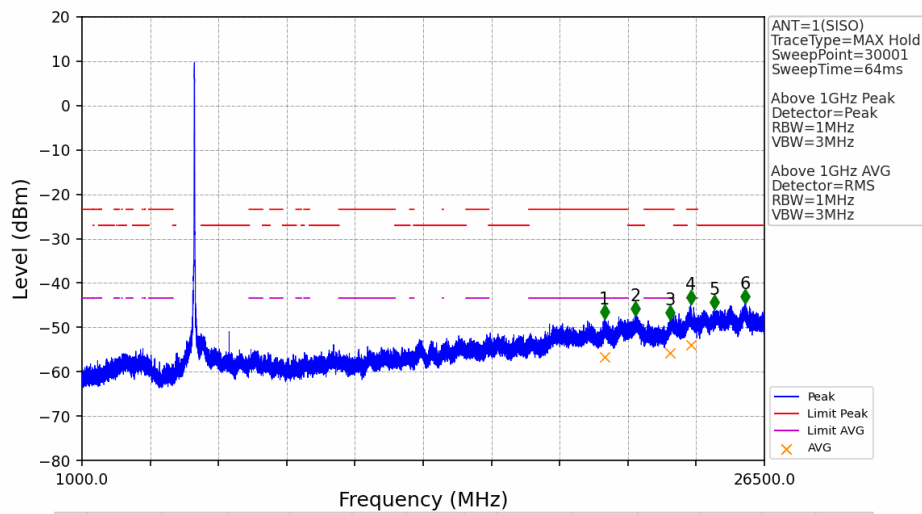
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark
1	20510.9	-48.47	-21.20	25.07	Pass Peak	7	20510.9	-56.38	-41.20	12.98	Pass AVG
2	21660.1	-45.59	-27.00	16.39	Pass Peak	8	21660.1	/	-27.00	/	/ AVG
3	22918.95	-48.21	-21.20	24.81	Pass Peak	9	22918.95	-56.84	-41.20	13.45	Pass AVG
4	23689.05	-46.83	-21.20	23.43	Pass Peak	10	23689.05	-53.97	-41.20	10.57	Pass AVG
5	24471.05	-45.04	-27.00	15.84	Pass Peak	11	24471.05	/	-27.00	/	/ AVG
6	25757.1	-44.19	-27.00	14.99	Pass Peak	12	25757.1	/	-27.00	/	/ AVG

802.11n(HT20) LCH_5180MHz_Ant1_NTNV



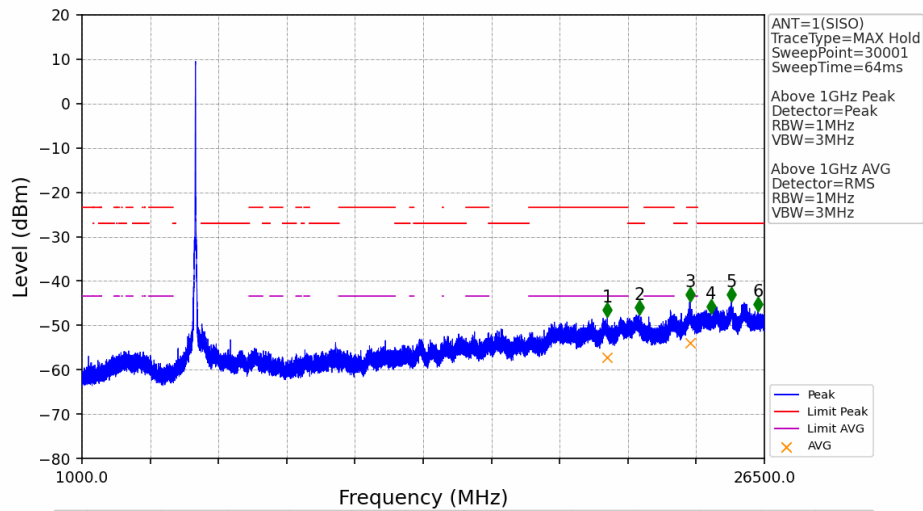
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark
1	5109.000	-49.01	-21.20	25.61	Pass Peak	3	5109.000	/	-21.20	/	/ AVG
2	5147.500	-47.10	-21.20	23.70	Pass Peak	4	5147.500	/	-21.20	/	/ AVG

802.11n(HT20) MCH_5200MHz_Ant1_NTNV



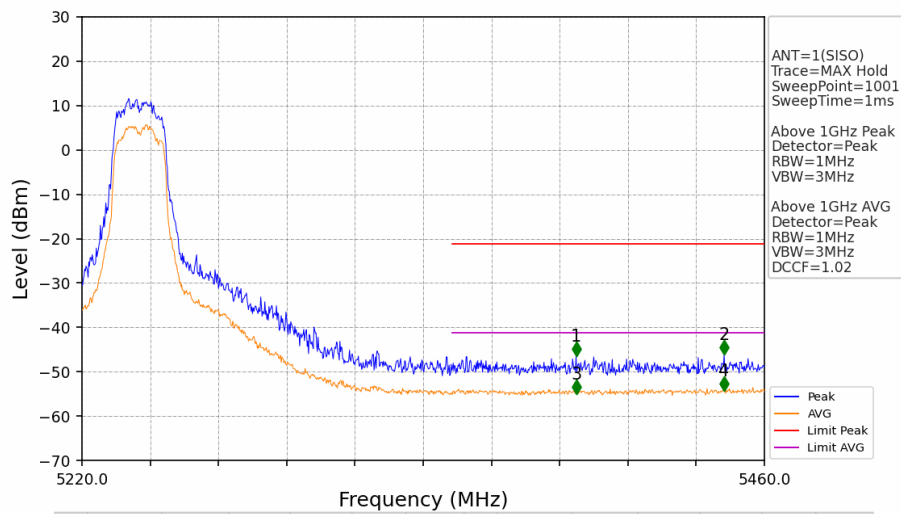
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark
1	20525.35	-48.13	-21.20	24.73	Pass Peak	7	20525.35	-56.60	-41.20	13.20	Pass AVG
2	21690.7	-47.39	-27.00	18.19	Pass Peak	8	21690.7	/	-27.00	/	/ AVG
3	22979.3	-48.26	-21.20	24.86	Pass Peak	9	22979.3	-55.76	-41.20	12.36	Pass AVG
4	23745.15	-44.86	-21.20	21.46	Pass Peak	10	23745.15	-53.89	-41.20	10.49	Pass AVG
5	24635.95	-45.83	-27.00	16.62	Pass Peak	11	24635.95	/	-27.00	/	/ AVG
6	25770.7	-44.60	-27.00	15.40	Pass Peak	12	25770.7	/	-27.00	/	/ AVG

802.11n(HT20) HCH 5240MHz_Ant1_NTNV



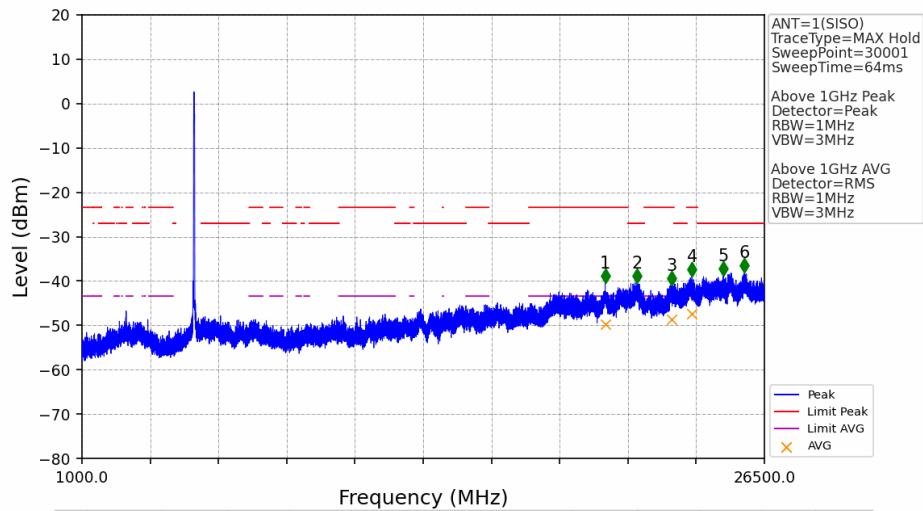
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	20629.9	-48.15	-21.20	24.75	Pass	Peak	7	20629.9	-57.26	-41.20	13.86	Pass	AVG
2	21820.75	-47.48	-27.00	18.28	Pass	Peak	8	21820.75	/	-27.00	/	/	AVG
3	23723.9	-44.64	-21.20	21.24	Pass	Peak	9	23723.9	-54.01	-41.20	10.61	Pass	AVG
4	24495.7	-47.42	-27.00	18.22	Pass	Peak	10	24495.7	/	-27.00	/	/	AVG
5	25263.25	-44.68	-27.00	15.48	Pass	Peak	11	25263.25	/	-27.00	/	/	AVG
6	26252.65	-46.76	-27.00	17.56	Pass	Peak	12	26252.65	/	-27.00	/	/	AVG

802.11n(HT20) HCH 5240MHz_Ant1_NTNV

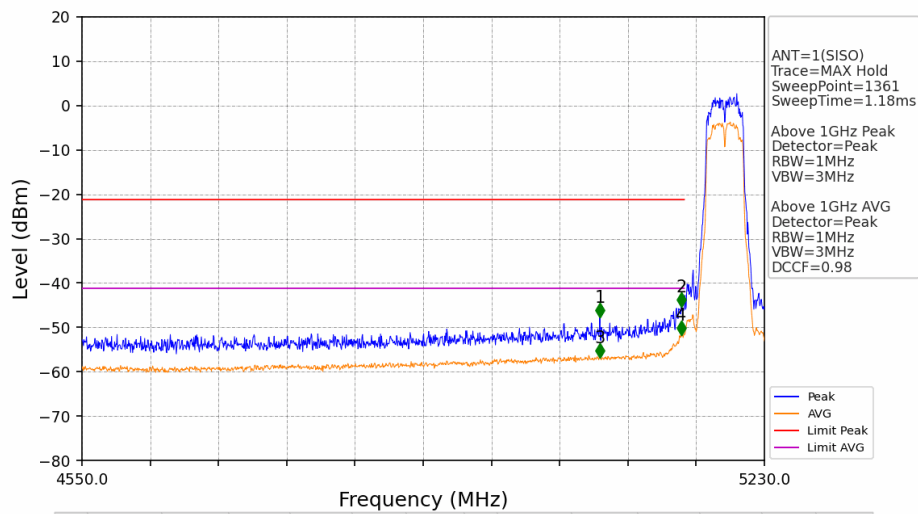


No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5393.760	-46.53	-21.20	23.13	Pass	Peak	3	5393.760	/	-21.20	/	/	AVG
2	5445.840	-46.16	-21.20	22.76	Pass	Peak	4	5445.840	/	-21.20	/	/	AVG

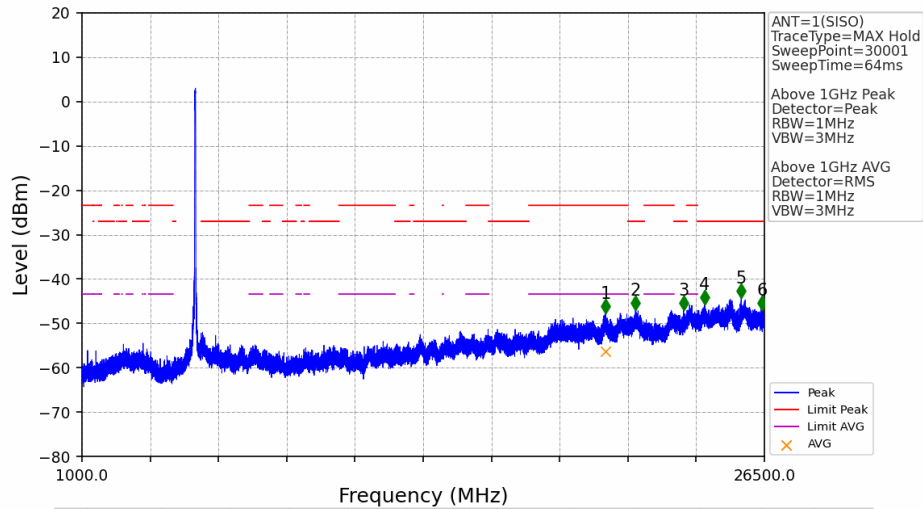
802.11n(HT40) LCH_5190MHz_Ant1_NTNV



802.11n(HT40) LCH_5190MHz_Ant1_NTNV

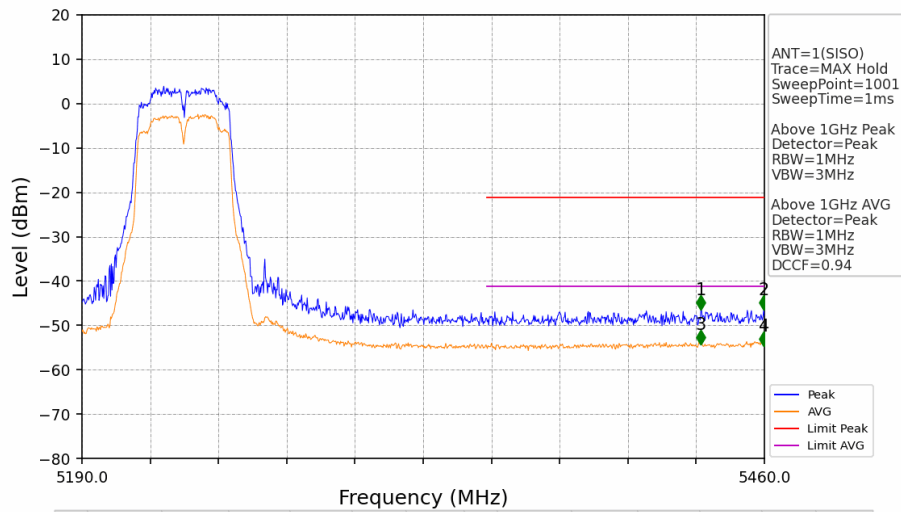


802.11n(HT40) HCH 5230MHz_Ant1_NTNV



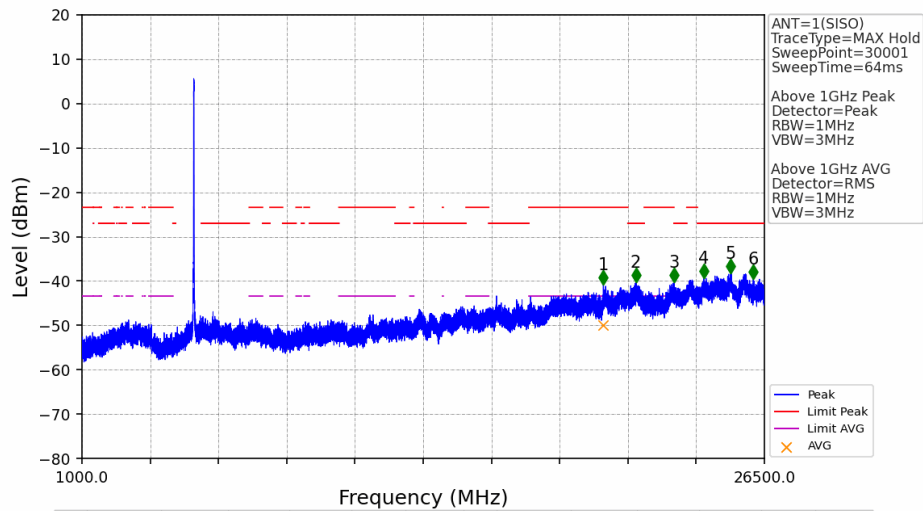
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	20566.15	-47.66	-21.20	24.25	Pass	Peak	7	20566.15	-56.33	-41.20	12.93	Pass	AVG
2	21683.05	-46.93	-27.00	17.73	Pass	Peak	8	21683.05	/	-27.00	/	/	AVG
3	23479.95	-47.04	-27.00	17.84	Pass	Peak	9	23479.95	/	-27.00	/	/	AVG
4	24269.6	-45.77	-27.00	16.57	Pass	Peak	10	24269.6	/	-27.00	/	/	AVG
5	25633	-44.19	-27.00	14.99	Pass	Peak	11	25633	/	-27.00	/	/	AVG
6	26415	-47.04	-27.00	17.84	Pass	Peak	12	26415	/	-27.00	/	/	AVG

802.11n(HT40) HCH 5230MHz_Ant1_NTNV



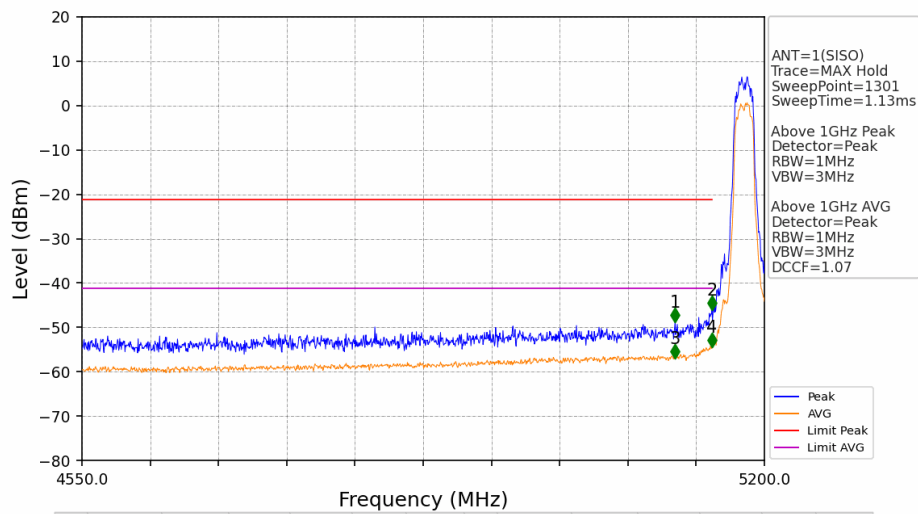
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5434.890	-46.38	-21.20	22.98	Pass	Peak	3	5434.890	/	-21.20	/	/	AVG
2	5459.730	-46.41	-21.20	23.01	Pass	Peak	4	5459.730	/	-21.20	/	/	AVG

802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



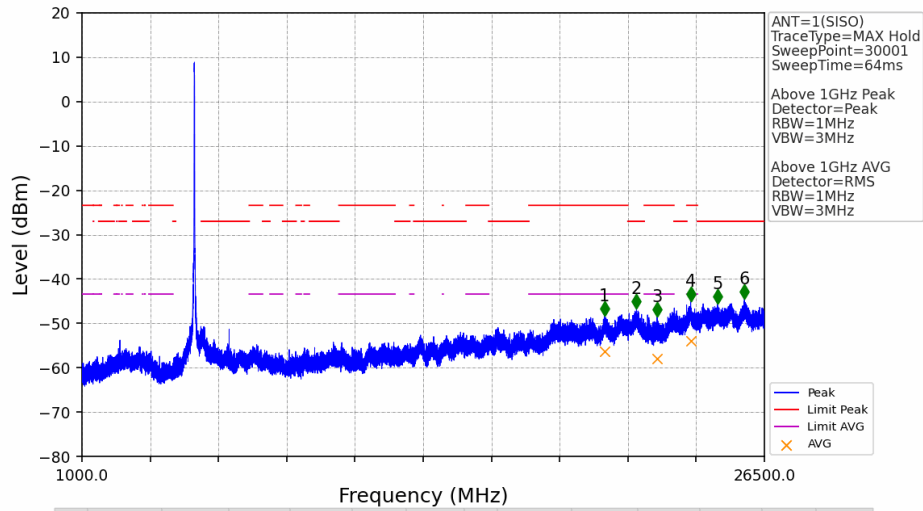
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	20481.15	-40.72	-21.20	17.32	Pass	Peak	7	20481.15	-49.90	-41.20	6.50	Pass	AVG
2	21695.8	-40.31	-27.00	11.11	Pass	Peak	8	21695.8	/	-27.00	/	/	AVG
3	23133.15	-40.17	-27.00	10.97	Pass	Peak	9	23133.15	/	-27.00	/	/	AVG
4	24239	-39.33	-27.00	10.12	Pass	Peak	10	24239	/	-27.00	/	/	AVG
5	25248.8	-38.25	-27.00	9.05	Pass	Peak	11	25248.8	/	-27.00	/	/	AVG
6	26081.8	-39.57	-27.00	10.37	Pass	Peak	12	26081.8	/	-27.00	/	/	AVG

802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV

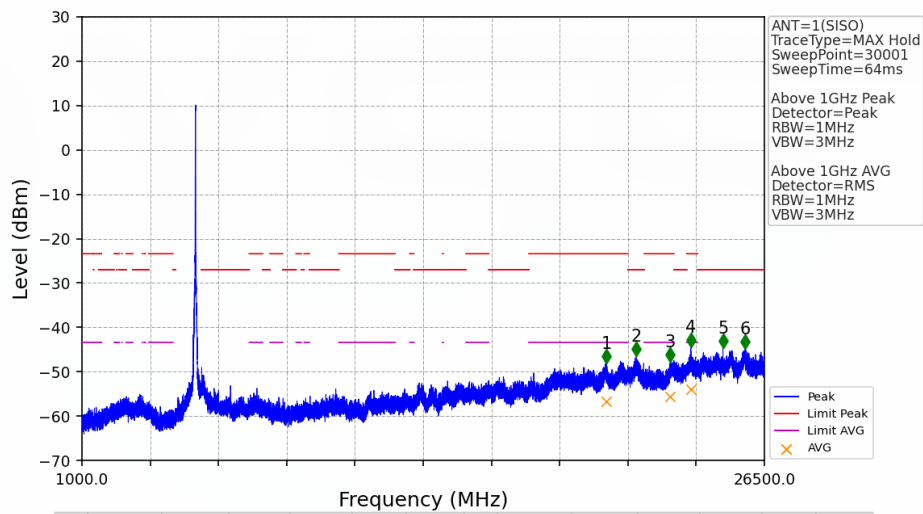


No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5115.000	-48.74	-21.20	25.34	Pass	Peak	3	5115.000	/	-21.20	/	/	AVG
2	5150.000	-45.99	-21.20	22.59	Pass	Peak	4	5150.000	/	-21.20	/	/	AVG

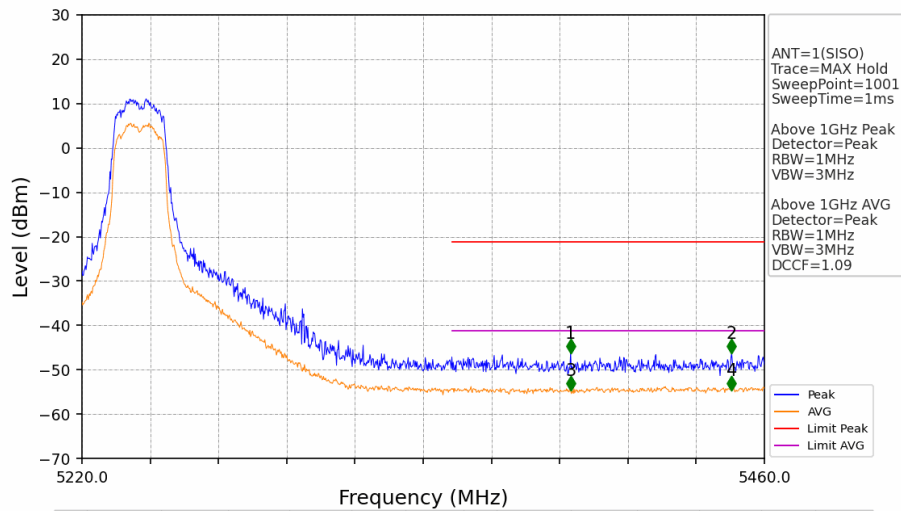
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



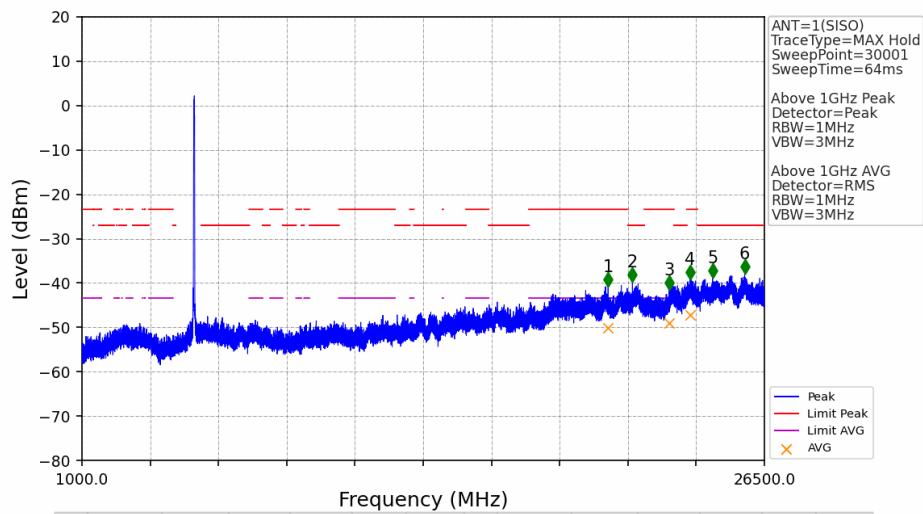
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



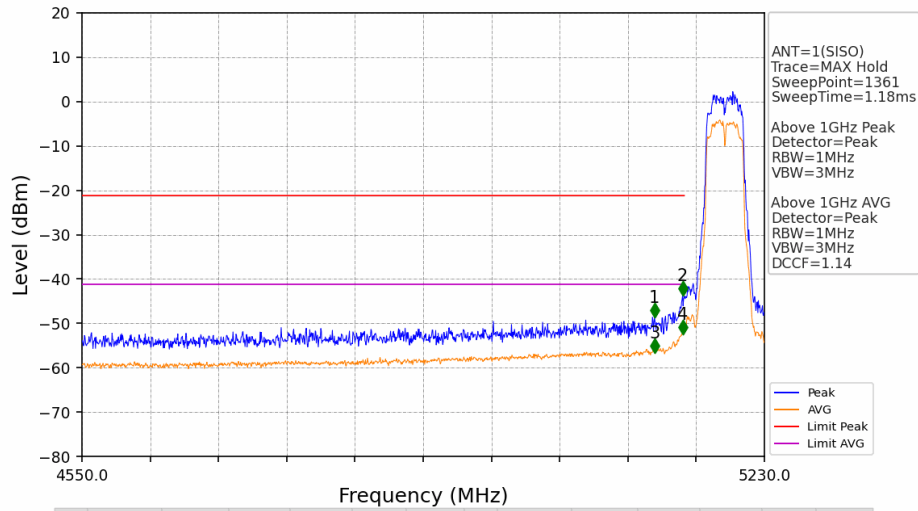
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



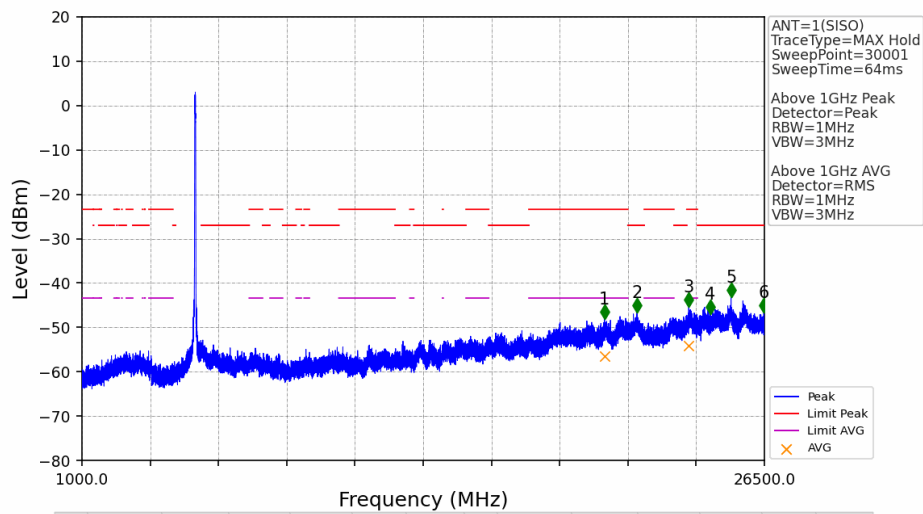
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



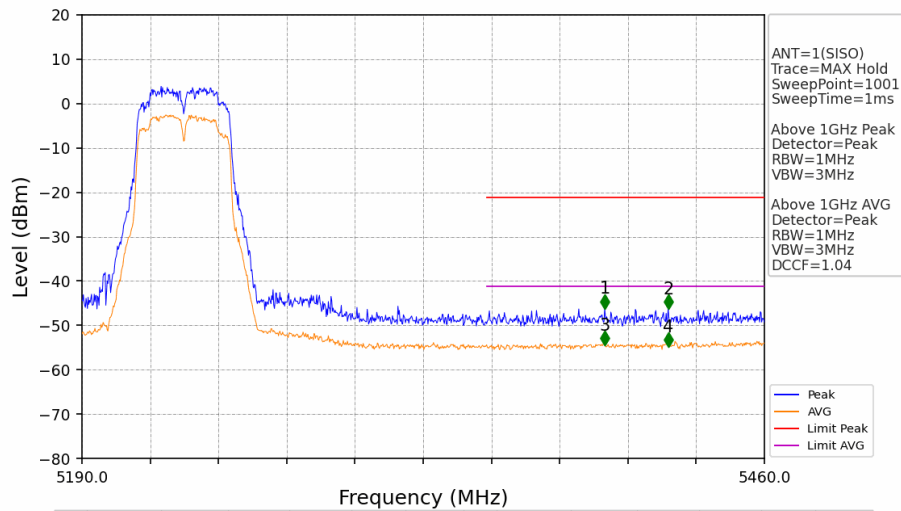
802.11ac(VHT40) LCH 5190MHz Ant1_NTNV



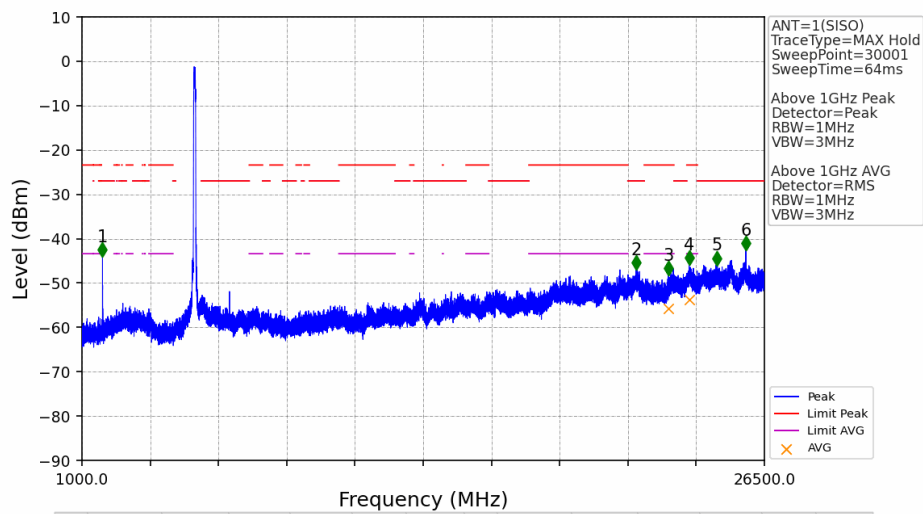
802.11ac(VHT40) HCH 5230MHz Ant1_NTNV



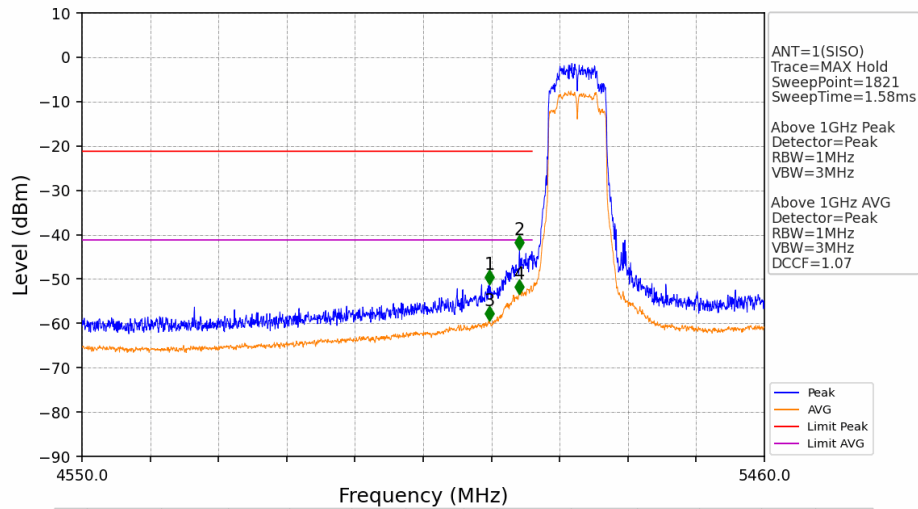
802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV

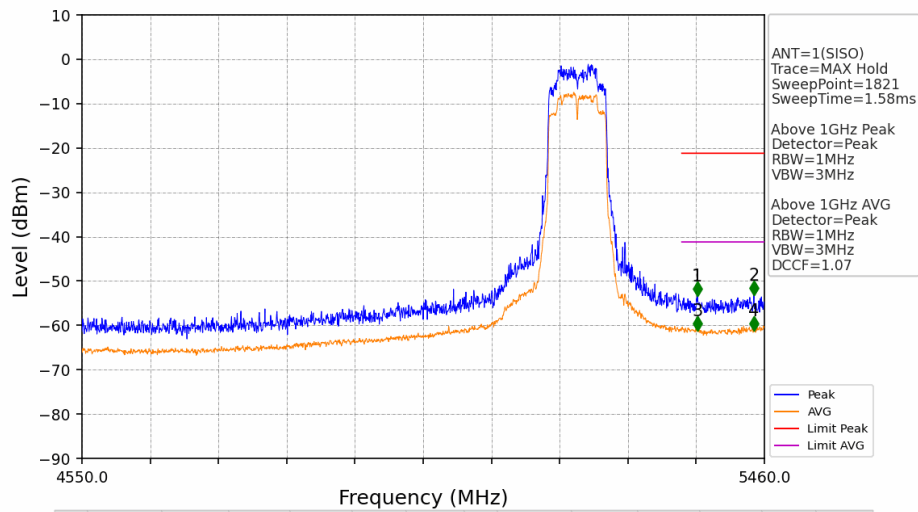


802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



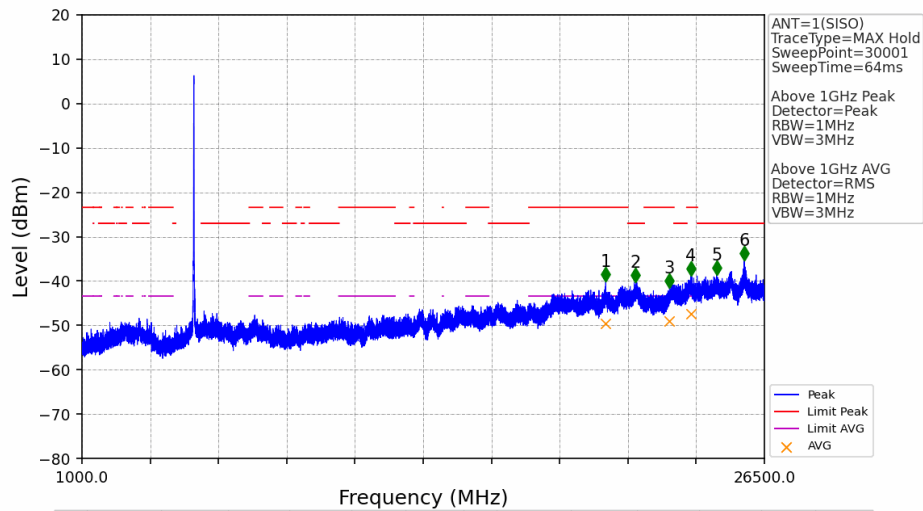
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5093.500	-51.20	-21.20	27.80	Pass	Peak	3	5093.500	/	-21.20	/	/	AVG
2	5133.500	-43.37	-21.20	19.97	Pass	Peak	4	5133.500	/	-21.20	/	/	AVG

802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



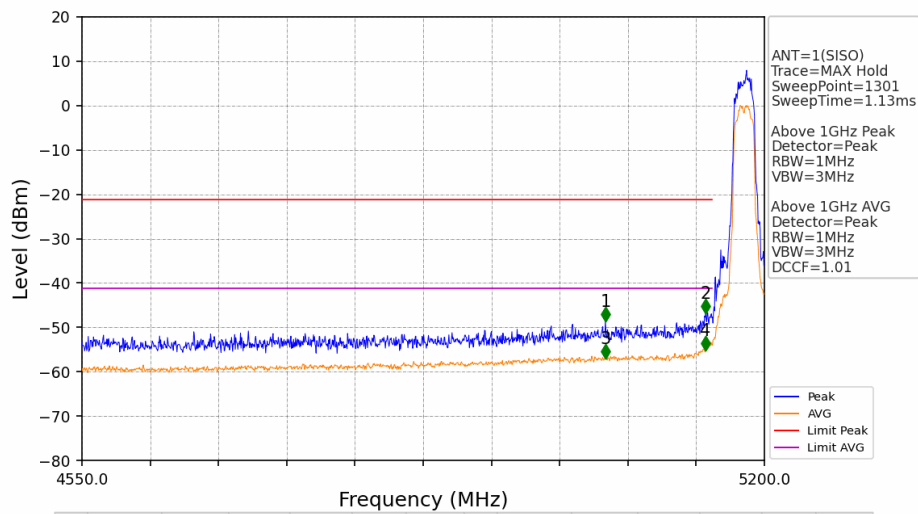
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5370.500	-53.35	-21.20	29.95	Pass	AVG	3	5370.500	/	-21.20	/	/	AVG
2	5446.000	-53.10	-21.20	29.70	Pass	AVG	4	5446.000	/	-21.20	/	/	AVG

802.11ax(HEW20)_LCH_5180MHz_SU_ / Ant1_NTNV



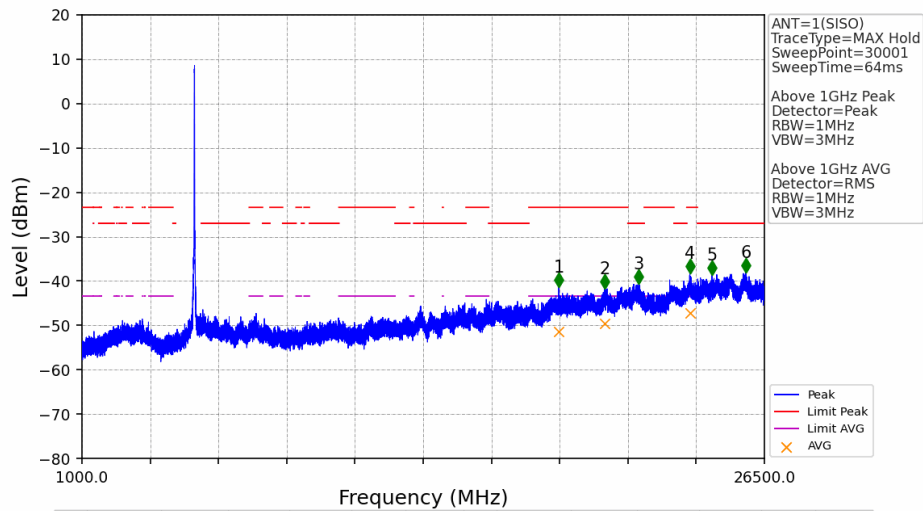
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark
1	20571.25	-40.04	-21.20	16.64	Pass Peak	7	20571.25	-49.58	-41.20	6.17	Pass AVG
2	21690.7	-40.29	-27.00	11.09	Pass Peak	8	21690.7	/	-27.00	/	/ AVG
3	22954.65	-41.48	-21.20	18.08	Pass Peak	9	22954.65	-49.12	-41.20	5.72	Pass AVG
4	23756.2	-38.76	-21.20	15.36	Pass Peak	10	23756.2	-47.31	-41.20	3.92	Pass AVG
5	24710.75	-38.52	-27.00	9.32	Pass Peak	11	24710.75	/	-27.00	/	/ AVG
6	25745.2	-35.27	-27.00	6.07	Pass Peak	12	25745.2	/	-27.00	/	/ AVG

802.11ax(HEW20)_LCH_5180MHz_SU_ / Ant1_NTNV



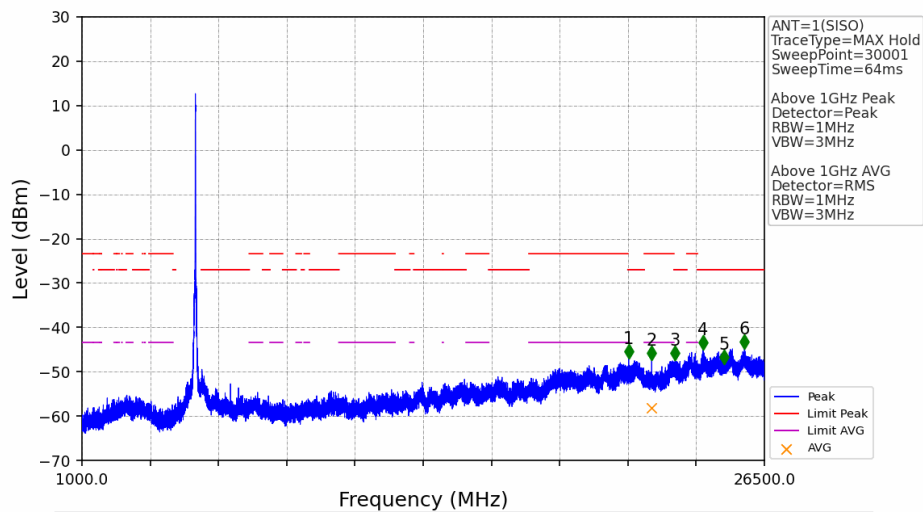
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark
1	5048.500	-48.66	-21.20	25.27	Pass Peak	3	5048.500	/	-21.20	/	/ AVG
2	5144.000	-46.75	-21.20	23.35	Pass Peak	4	5144.000	/	-21.20	/	/ AVG

802.11ax(HEW20)_MCH_5200MHz_SU / Ant1_NTNV



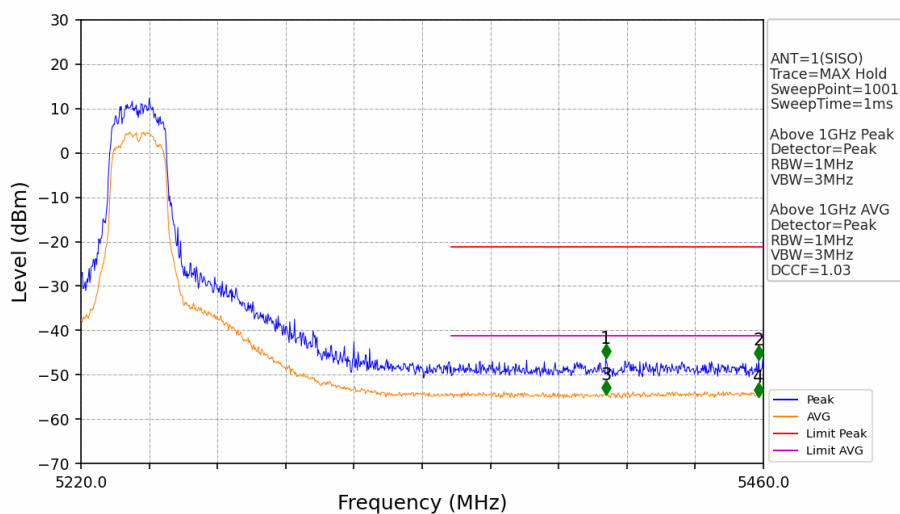
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	18816	-41.35	-21.20	17.95	Pass	Peak	7	18816	-51.44	-41.20	8.04	Pass	AVG
2	20524.5	-41.69	-21.20	18.29	Pass	Peak	8	20524.5	-49.66	-41.20	6.26	Pass	AVG
3	21804.6	-40.64	-27.00	11.44	Pass	Peak	9	21804.6	/	-27.00	/	/	AVG
4	23712.85	-38.27	-21.20	14.87	Pass	Peak	10	23712.85	-47.21	-41.20	3.81	Pass	AVG
5	24539.9	-38.56	-27.00	9.36	Pass	Peak	11	24539.9	/	-27.00	/	/	AVG
6	25803.85	-37.99	-27.00	8.79	Pass	Peak	12	25803.85	/	-27.00	/	/	AVG

802.11ax(HEW20)_HCH_5240MHz_SU / Ant1_NTNV



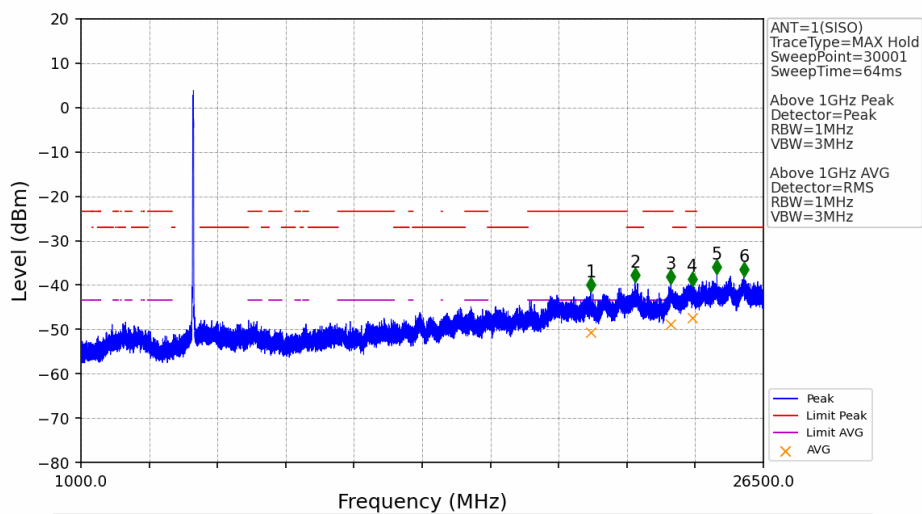
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	21429.75	-46.92	-27.00	17.72	Pass	Peak	7	21429.75	/	-27.00	/	/	AVG
2	22288.25	-47.29	-21.20	23.89	Pass	Peak	8	22288.25	-58.21	-41.20	14.81	Pass	AVG
3	23161.2	-47.44	-27.00	18.24	Pass	Peak	9	23161.2	/	-27.00	/	/	AVG
4	24210.1	-45.07	-27.00	15.87	Pass	Peak	10	24210.1	/	-27.00	/	/	AVG
5	24987.85	-48.29	-27.00	19.09	Pass	Peak	11	24987.85	/	-27.00	/	/	AVG
6	25753.7	-44.78	-27.00	15.58	Pass	Peak	12	25753.7	/	-27.00	/	/	AVG

802.11ax(HEW20)_HCH_5240MHz_SU_ / Ant1_NTNV



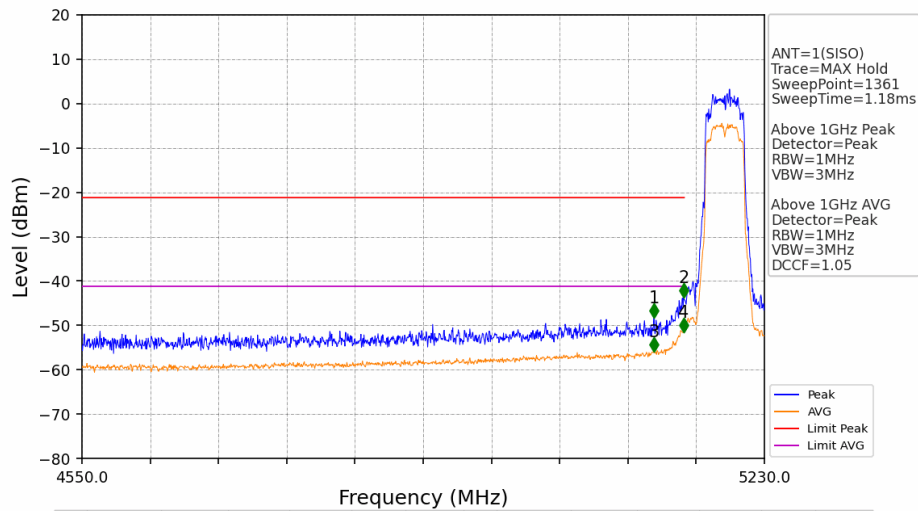
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark
1	5404.560	-46.30	-21.20	22.90	Pass Peak	3	5404.560	/	-21.20	/	/ AVG
2	5458.320	-46.63	-21.20	23.23	Pass Peak	4	5458.320	/	-21.20	/	/ AVG

802.11ax(HEW40)_LCH_5190MHz_SU_ / Ant1_NTNV



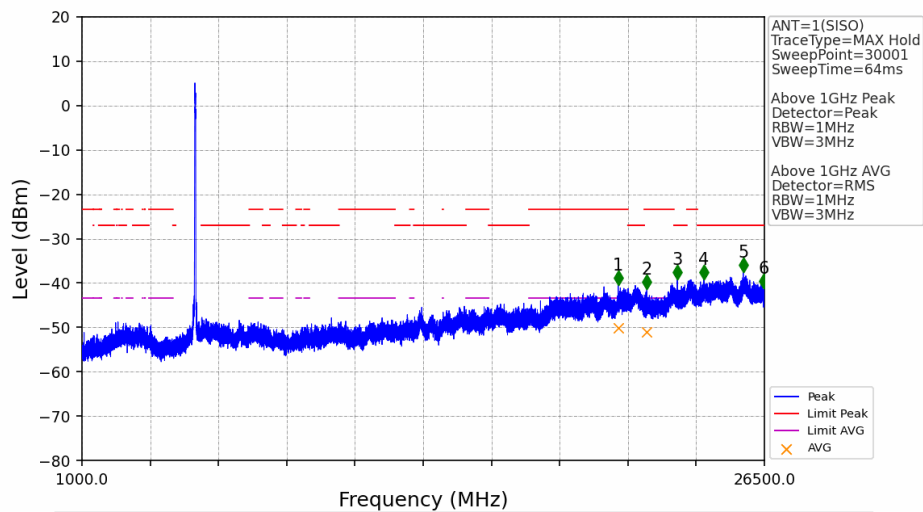
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark
1	20051.9	-41.59	-21.20	18.19	Pass Peak	7	20051.9	-50.71	-41.20	7.31	Pass AVG
2	21700.9	-39.34	-27.00	10.14	Pass Peak	8	21700.9	/	-27.00	/	/ AVG
3	23042.2	-39.62	-21.20	16.21	Pass Peak	9	23042.2	-48.80	-41.20	5.40	Pass AVG
4	23837.8	-40.23	-21.20	16.83	Pass Peak	10	23837.8	-47.43	-41.20	4.03	Pass AVG
5	24764.3	-37.47	-27.00	8.27	Pass Peak	11	24764.3	/	-27.00	/	/ AVG
6	25769.85	-38.01	-27.00	8.80	Pass Peak	12	25769.85	/	-27.00	/	/ AVG

802.11ax(HEW40)_LCH_5190MHz_SU_ / Ant1_NTNV



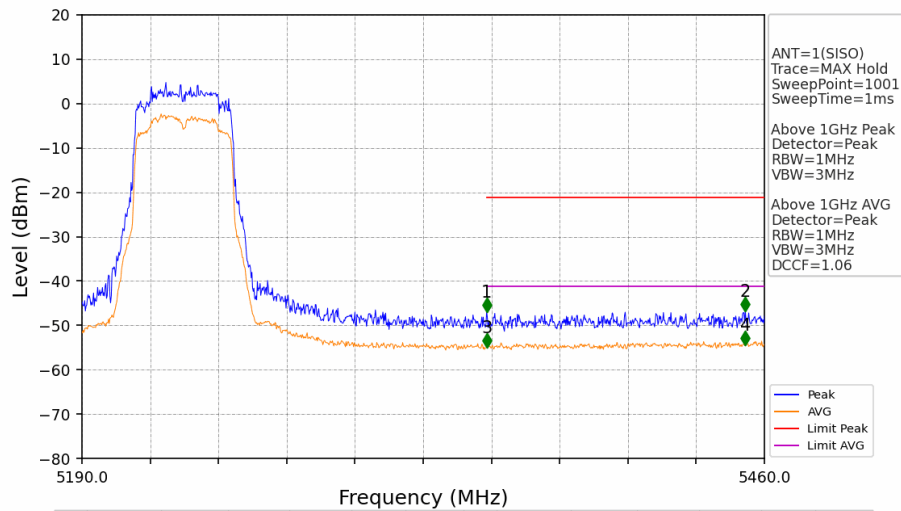
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark
1	5120.000	-48.31	-21.20	24.91	Pass Peak	3	5120.000	/	-21.20	/	/ AVG
2	5149.500	-43.73	-21.20	20.33	Pass Peak	4	5149.500	/	-21.20	/	/ AVG

802.11ax(HEW40)_HCH_5230MHz_SU_ / Ant1_NTNV

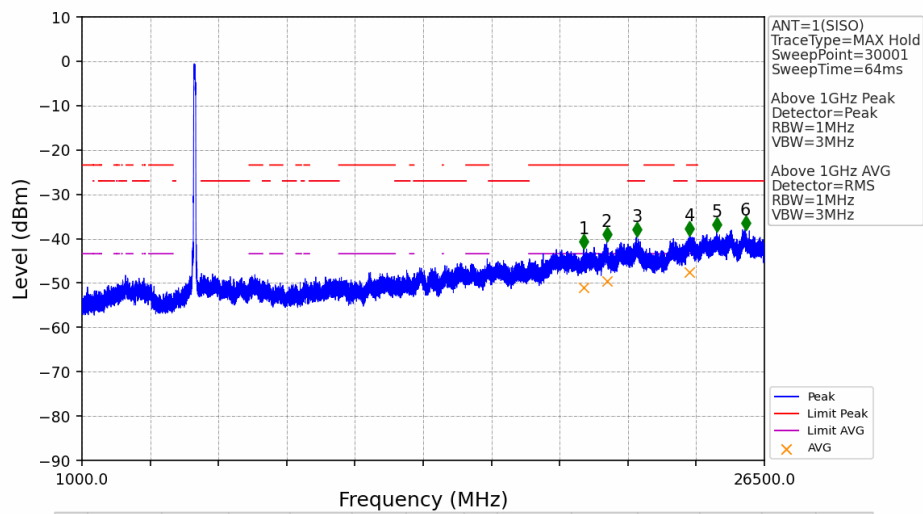


No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark
1	21037.05	-40.47	-21.20	17.07	Pass Peak	7	21037.05	-50.14	-41.20	6.74	Pass AVG
2	22106.35	-41.25	-21.20	17.85	Pass Peak	8	22106.35	-51.08	-41.20	7.68	Pass AVG
3	23246.2	-39.06	-27.00	9.86	Pass Peak	9	23246.2	/	-27.00	/	/ AVG
4	24227.95	-39.06	-27.00	9.87	Pass Peak	10	24227.95	/	-27.00	/	/ AVG
5	25710.35	-37.46	-27.00	8.26	Pass Peak	11	25710.35	/	-27.00	/	/ AVG
6	26483	-41.12	-27.00	11.92	Pass Peak	12	26483	/	-27.00	/	/ AVG

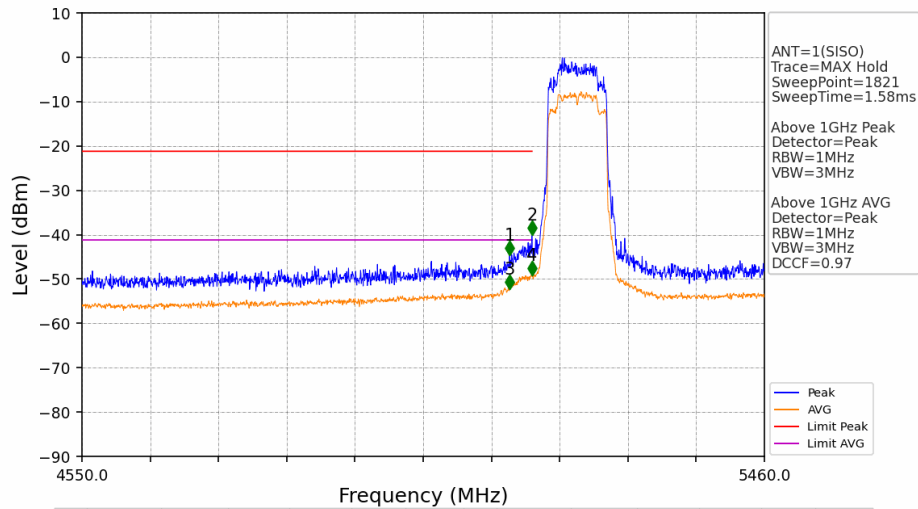
802.11ax(HEW40)_HCH_5230MHz_SU / Ant1_NTNV



802.11ax(HEW80)_MCH_5210MHz_SU / Ant1_NTNV

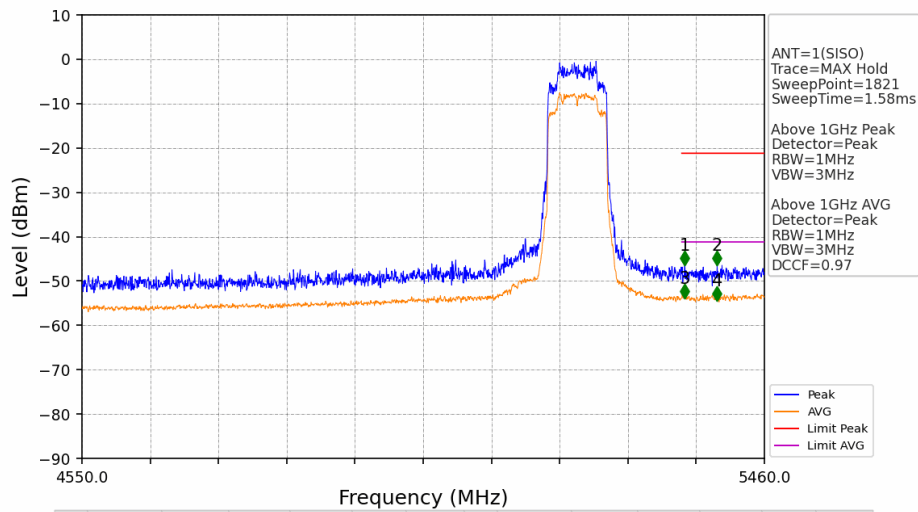


802.11ax(HEW80)_MCH_5210MHz_SU / Ant1_NTNV



No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark
1	5120.000	-44.52	-21.20	21.12	Pass Peak	3	5120.000	/	-21.20	/	/ AVG
2	5150.000	-40.12	-21.20	16.72	Pass Peak	4	5150.000	/	-21.20	/	/ 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	5354.000	-46.45	-21.20	23.05	Pass AVG	3	5354.000	/	-21.20	/	/ AVG
2	5397.000	-46.40	-21.20	23.00	Pass AVG	4	5397.000	/	-21.20	/	/ 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	5180.005	5150 to 5250	Pass
				120	5180.004	5150 to 5250	Pass
				138	5180.004	5150 to 5250	Pass
			-30	120	5180.004	5150 to 5250	Pass
			-20	120	5180.004	5150 to 5250	Pass
			-10	120	5180.003	5150 to 5250	Pass
			0	120	5180.003	5150 to 5250	Pass
			10	120	5180.003	5150 to 5250	Pass
			30	120	5180.002	5150 to 5250	Pass
			40	120	5180.002	5150 to 5250	Pass
			50	120	5180.002	5150 to 5250	Pass
		5200	20	102	5200.001	5150 to 5250	Pass
				120	5200.001	5150 to 5250	Pass
				138	5200.001	5150 to 5250	Pass
			-30	120	5200.001	5150 to 5250	Pass
			-20	120	5200.000	5150 to 5250	Pass
			-10	120	5200.000	5150 to 5250	Pass
			0	120	5200.000	5150 to 5250	Pass
			10	120	5200.000	5150 to 5250	Pass
			30	120	5200.000	5150 to 5250	Pass
			40	120	5200.000	5150 to 5250	Pass
			50	120	5200.000	5150 to 5250	Pass
		5240	20	102	5239.999	5150 to 5250	Pass
				120	5239.999	5150 to 5250	Pass
				138	5239.999	5150 to 5250	Pass
			-30	120	5240.000	5150 to 5250	Pass
			-20	120	5240.000	5150 to 5250	Pass
			-10	120	5240.000	5150 to 5250	Pass
			0	120	5240.000	5150 to 5250	Pass
			10	120	5239.999	5150 to 5250	Pass
			30	120	5239.999	5150 to 5250	Pass
			40	120	5239.999	5150 to 5250	Pass
			50	120	5239.999	5150 to 5250	Pass
		5190	20	102	5189.999	5150 to 5250	Pass
				120	5189.999	5150 to 5250	Pass
				138	5189.999	5150 to 5250	Pass
			-30	120	5189.999	5150 to 5250	Pass
			-20	120	5190.000	5150 to 5250	Pass
			-10	120	5190.000	5150 to 5250	Pass
			0	120	5189.999	5150 to 5250	Pass
			10	120	5190.000	5150 to 5250	Pass
			30	120	5190.000	5150 to 5250	Pass
			40	120	5190.000	5150 to 5250	Pass
			50	120	5190.000	5150 to 5250	Pass
		5230	20	102	5229.999	5150 to 5250	Pass
				120	5229.999	5150 to 5250	Pass
				138	5229.999	5150 to 5250	Pass
			-30	120	5229.999	5150 to 5250	Pass

			-20	120	5229.999	5150 to 5250	Pass
			-10	120	5229.999	5150 to 5250	Pass
			0	120	5229.999	5150 to 5250	Pass
			10	120	5229.999	5150 to 5250	Pass
			30	120	5229.999	5150 to 5250	Pass
			40	120	5229.998	5150 to 5250	Pass
			50	120	5230.001	5150 to 5250	Pass
		5210	20	102	5210.000	5150 to 5250	Pass
				120	5210.000	5150 to 5250	Pass
				138	5210.000	5150 to 5250	Pass
			-30	120	5209.998	5150 to 5250	Pass
			-20	120	5209.998	5150 to 5250	Pass
			-10	120	5209.998	5150 to 5250	Pass
			0	120	5209.998	5150 to 5250	Pass
			10	120	5209.998	5150 to 5250	Pass
			30	120	5209.998	5150 to 5250	Pass
			40	120	5209.998	5150 to 5250	Pass
			50	120	5209.998	5150 to 5250	Pass

▶▶▶ END OF REPORT ◀◀◀

