

1. Duty Cycle

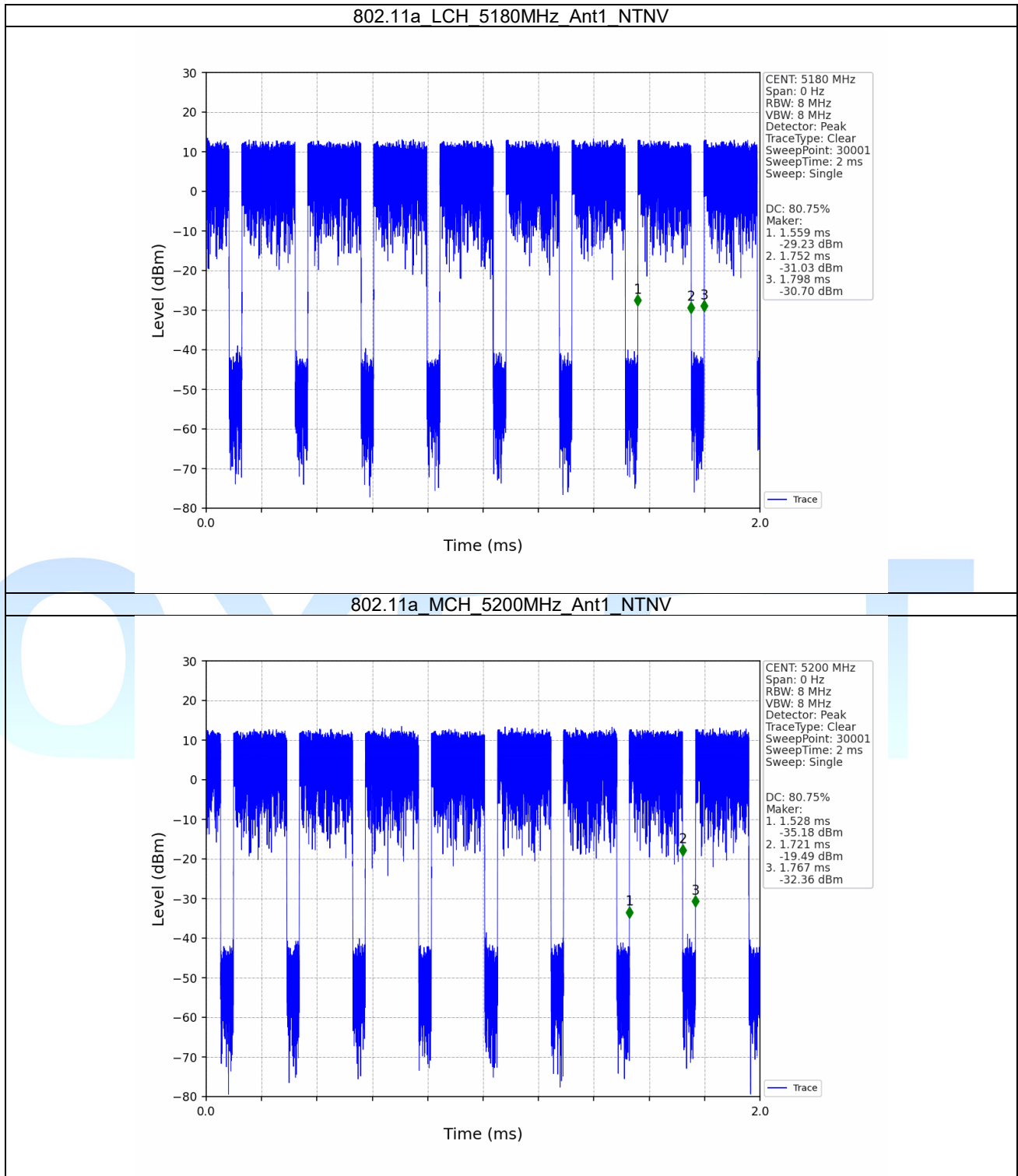
1.1 Test Result

1.1.1 Ant1

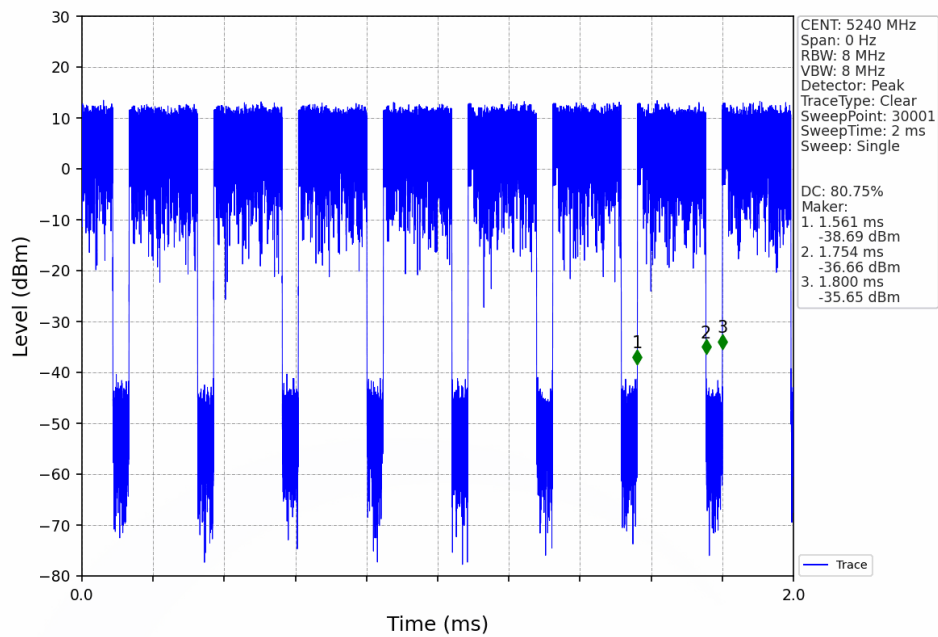
Ant1									
Mode	TX Type	Frequency (MHz)	RU	RU Pos	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11a	SISO	5180	/	/	0.193	0.239	80.75	0.93	0.37
		5200	/	/	0.193	0.239	80.75	0.93	0.47
		5240	/	/	0.193	0.239	80.75	0.93	0.41
802.11n (HT20)	SISO	5180	/	/	0.215	0.259	83.01	0.81	0.08
		5200	/	/	0.213	0.259	82.24	0.85	0.12
		5240	/	/	0.213	0.259	82.24	0.85	0.07
802.11n (HT40)	SISO	5190	/	/	0.201	0.248	81.05	0.91	0.38
		5230	/	/	0.201	0.247	81.38	0.90	0.11
802.11ac (VHT20)	SISO	5180	/	/	0.193	0.239	80.75	0.93	0.42
		5200	/	/	0.192	0.239	80.33	0.95	0.45
		5240	/	/	0.193	0.239	80.75	0.93	0.40
802.11ac (VHT40)	SISO	5190	/	/	0.201	0.248	81.05	0.91	0.42
		5230	/	/	0.200	0.247	80.97	0.92	0.13
802.11ac (VHT80)	SISO	5210	/	/	0.177	0.223	79.37	1.00	0.18
802.11ax (HEW20)	SISO	5180	SU	/	0.195	0.239	81.59	0.88	0.43
		5200	SU	/	0.193	0.239	80.75	0.93	0.10
		5240	SU	/	0.193	0.238	81.09	0.91	0.14
802.11ax (HEW40)	SISO	5190	SU	/	0.203	0.247	82.19	0.85	0.08
		5230	SU	/	0.200	0.247	80.97	0.92	0.13
802.11ax (HEW80)	SISO	5210	SU	/	0.178	0.223	79.82	0.98	0.12

1.2 Test Graph

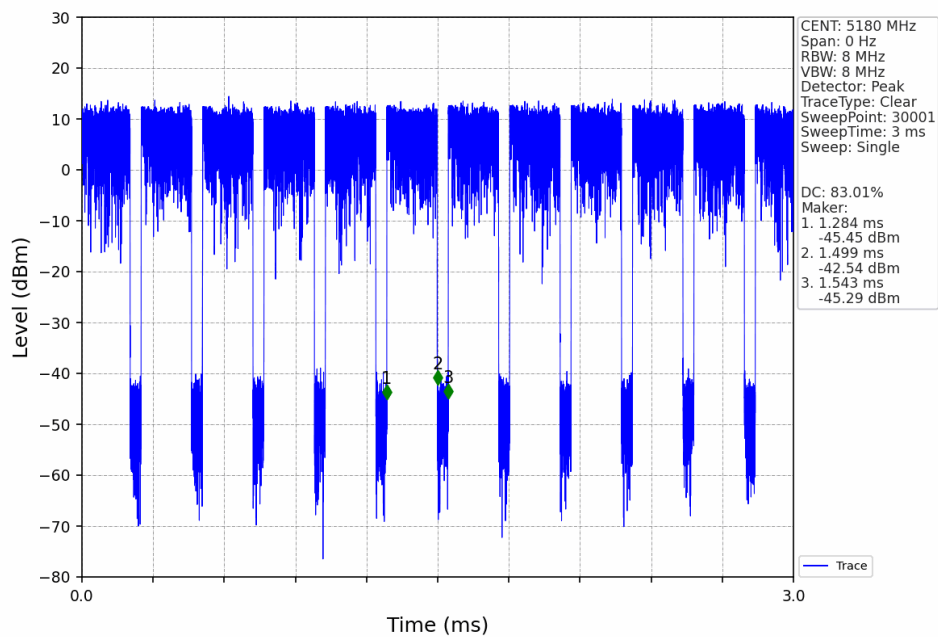
1.2.1 Ant1



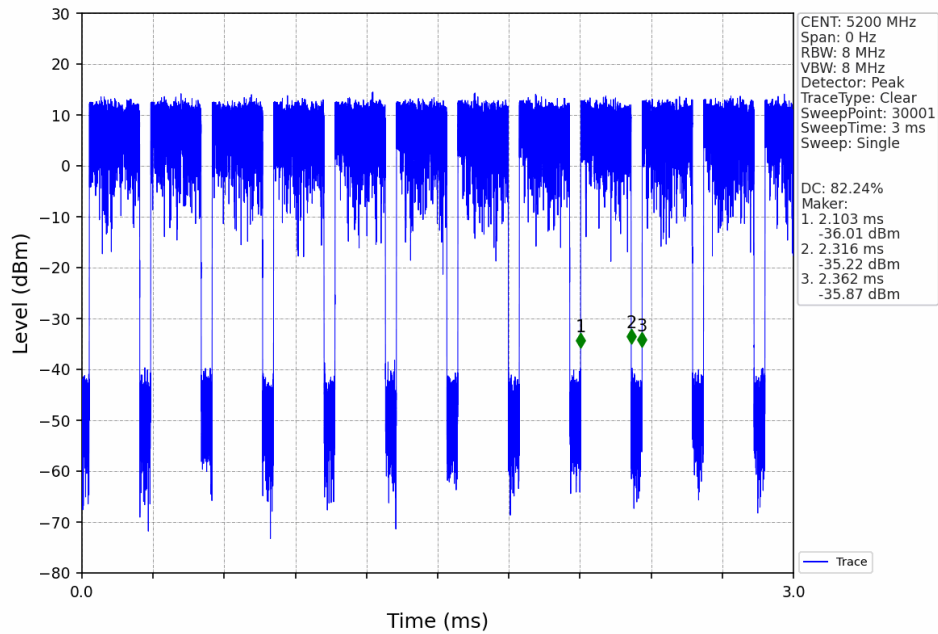
802.11a_HCH_5240MHz_Ant1_NTNV



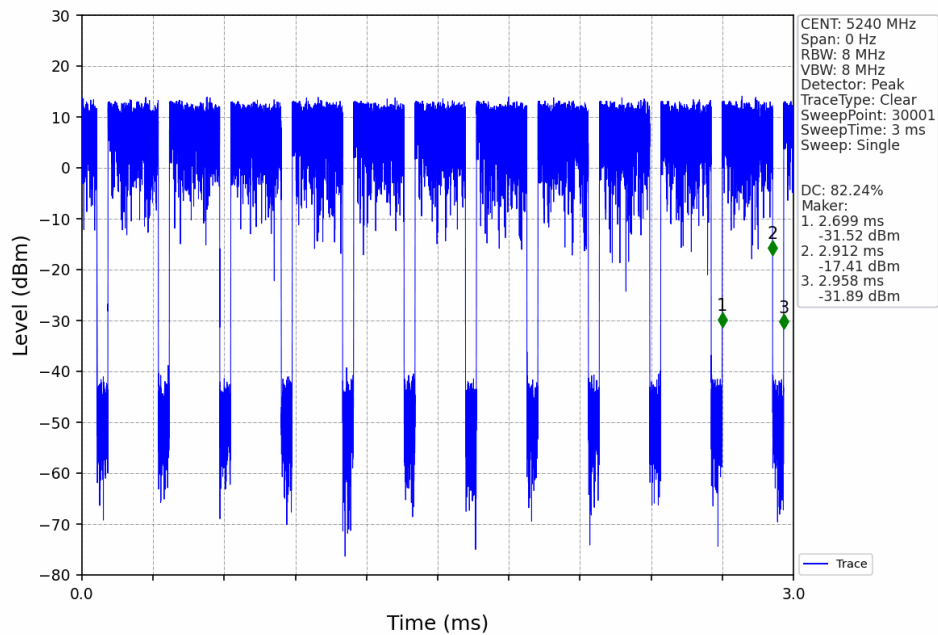
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



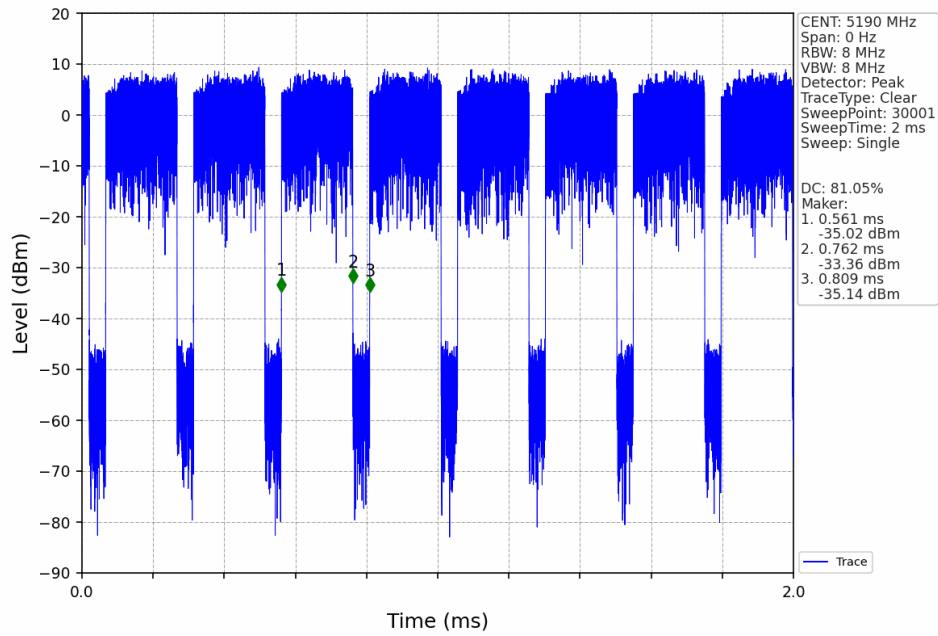
802.11n(HT20) MCH_5200MHz_Ant1_NTNV



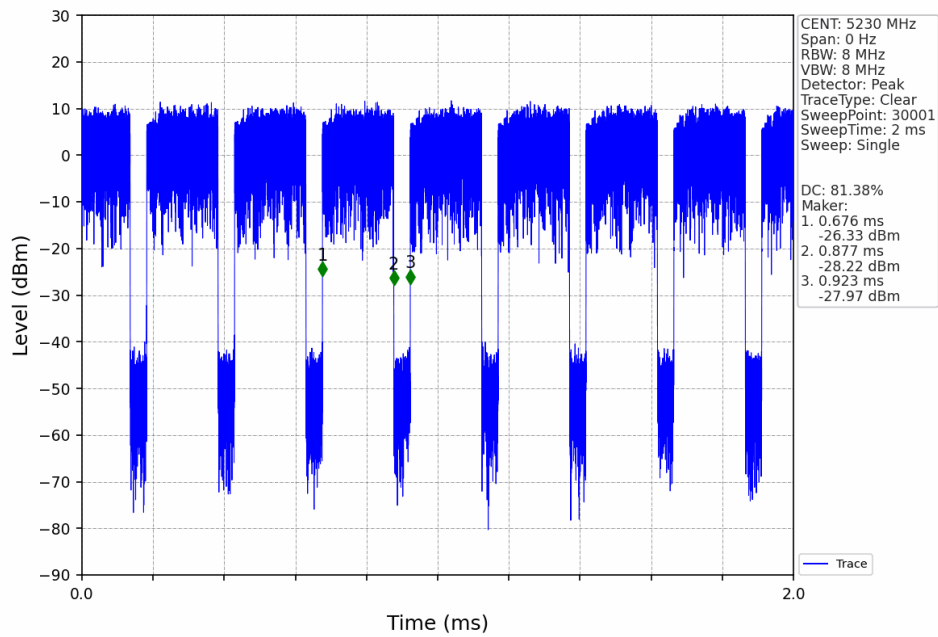
802.11n(HT20) HCH_5240MHz_Ant1_NTNV



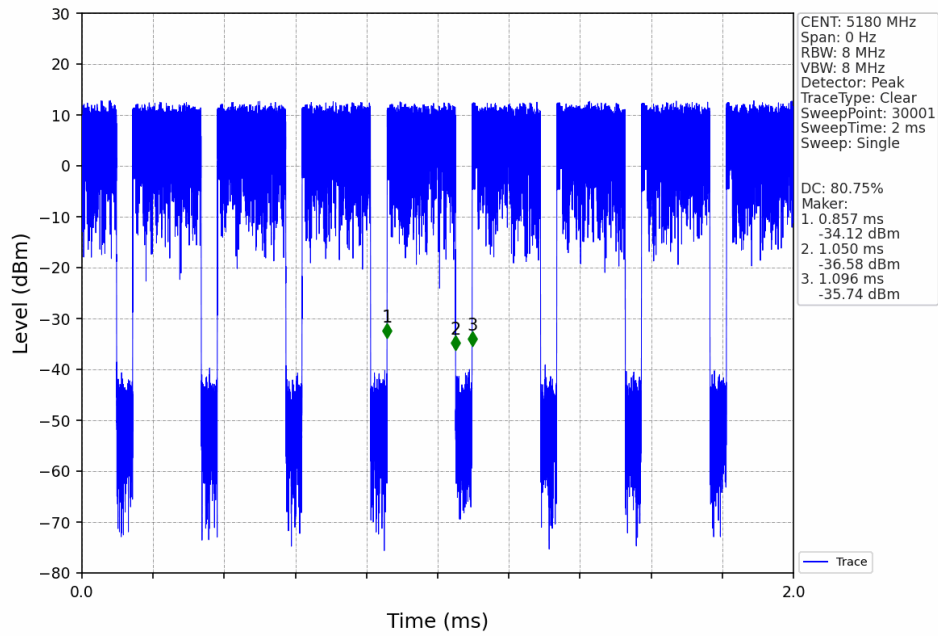
802.11n(HT40) LCH 5190MHz_Ant1_NTNV



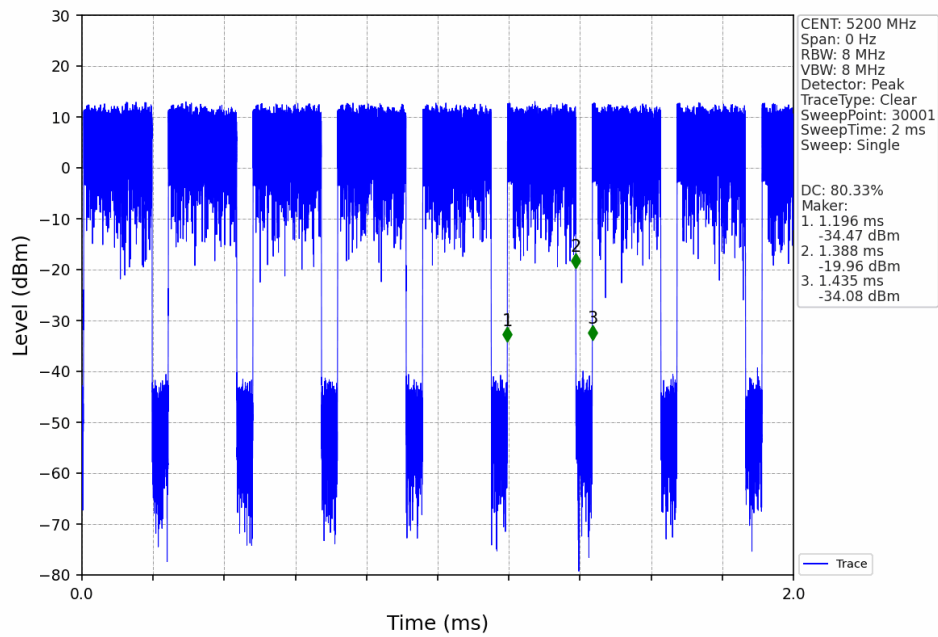
802.11n(HT40) HCH 5230MHz_Ant1_NTNV



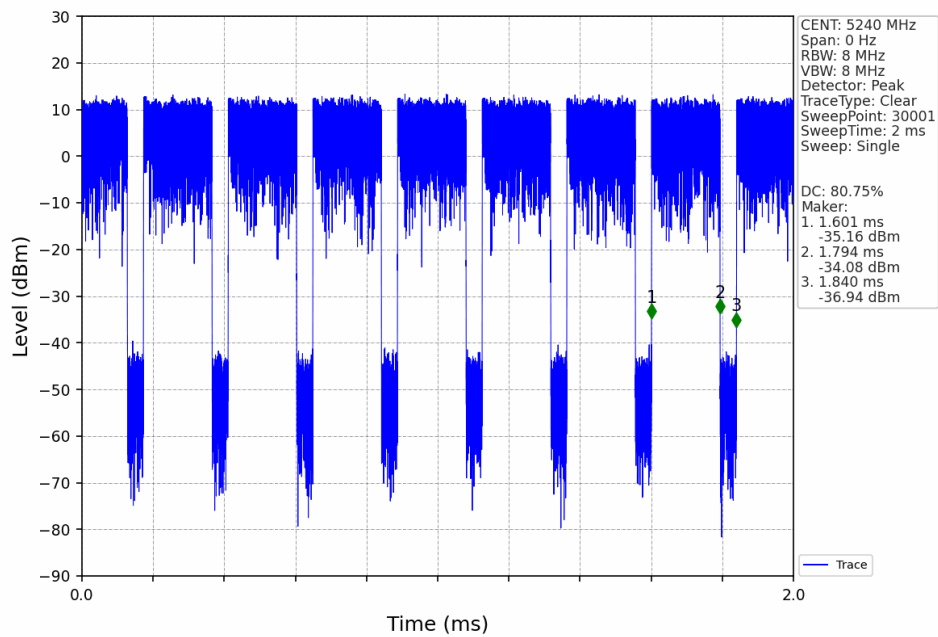
802.11ac(VHT20) LCH_5180MHz_Ant1_NTNV



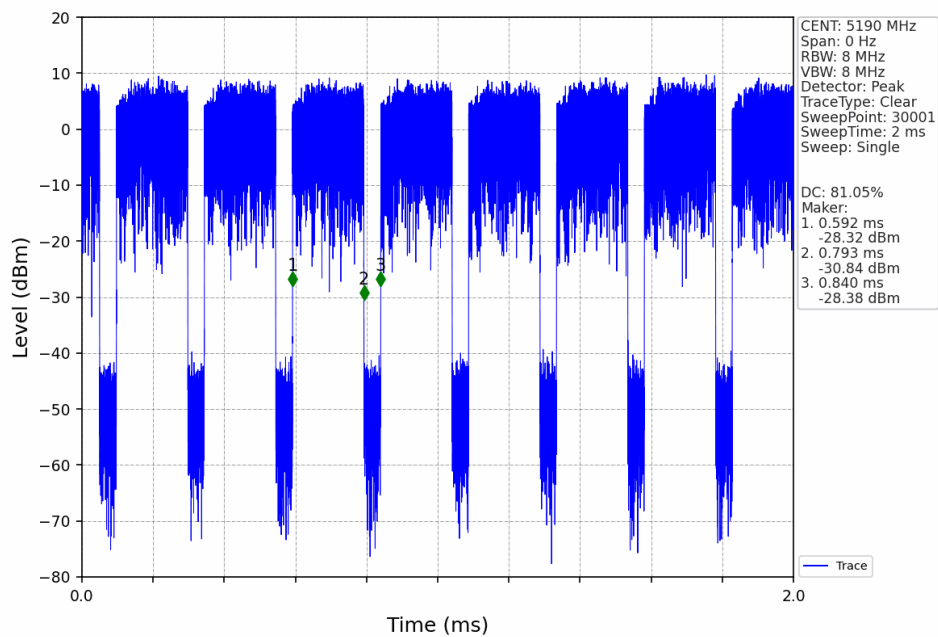
802.11ac(VHT20) MCH_5200MHz_Ant1_NTNV



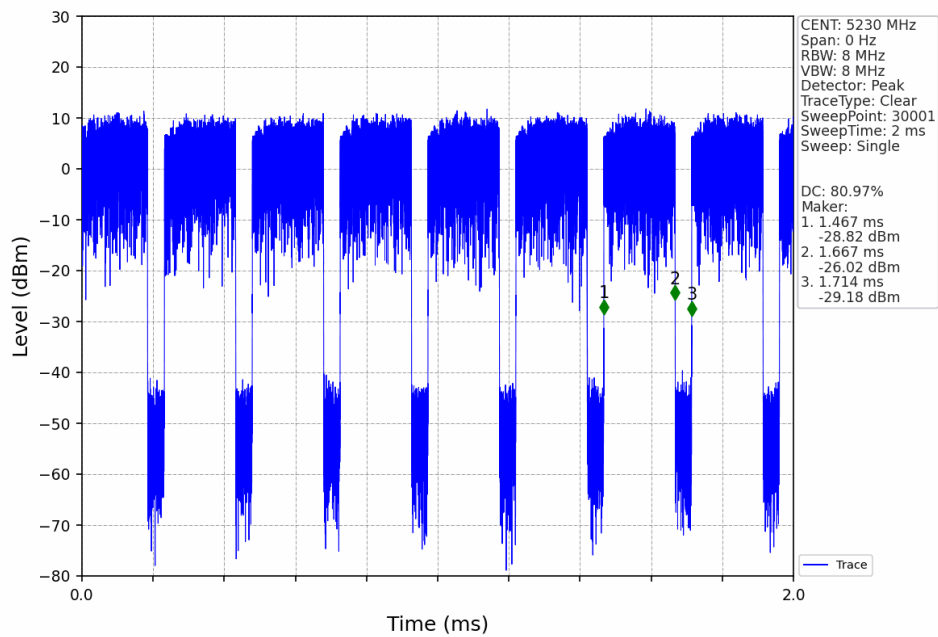
802.11ac(VHT20) HCH 5240MHz_Ant1_NTNV



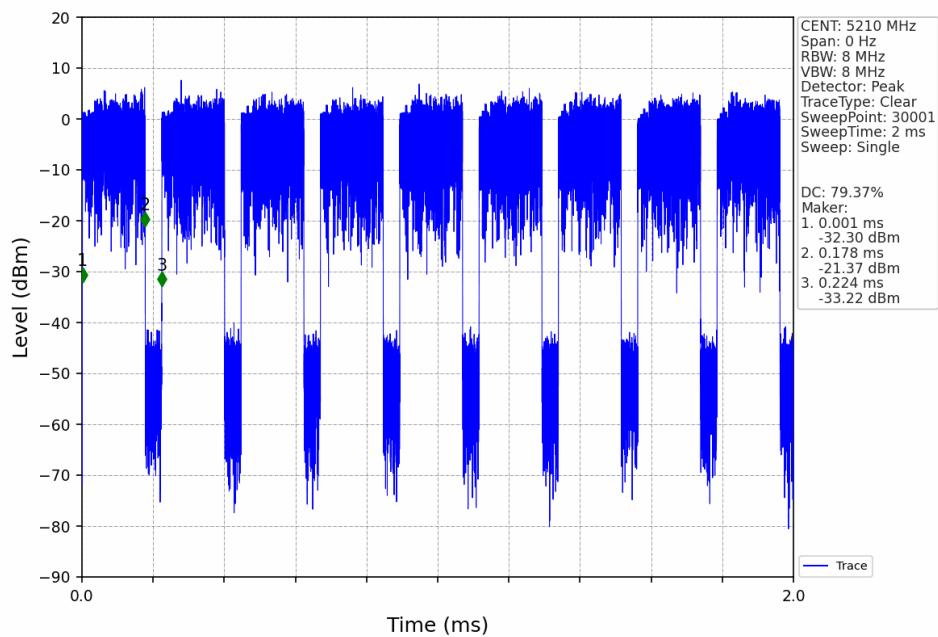
802.11ac(VHT40) LCH 5190MHz_Ant1_NTNV



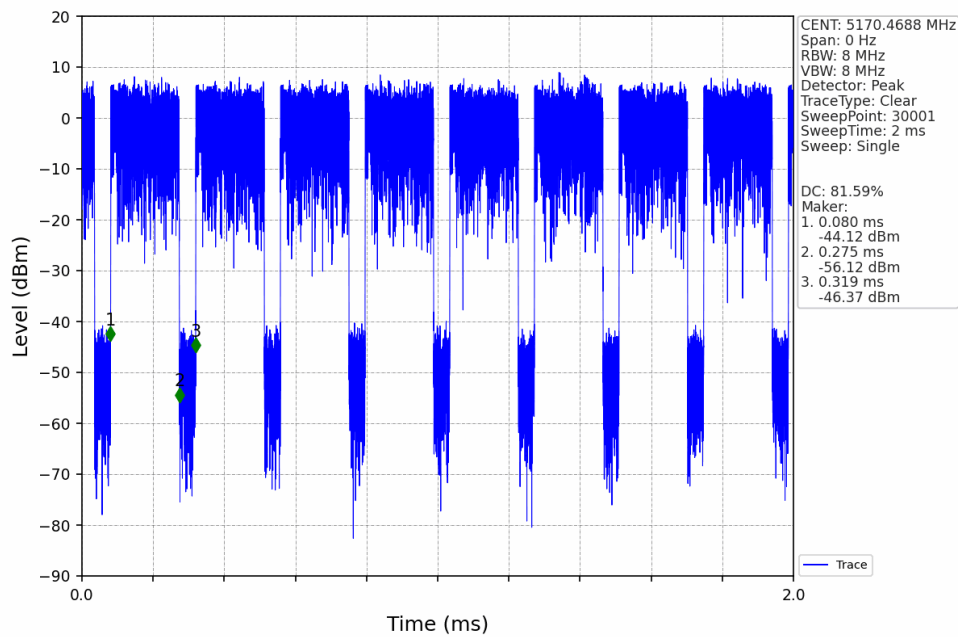
802.11ac(VHT40) HCH 5230MHz_Ant1_NTNV



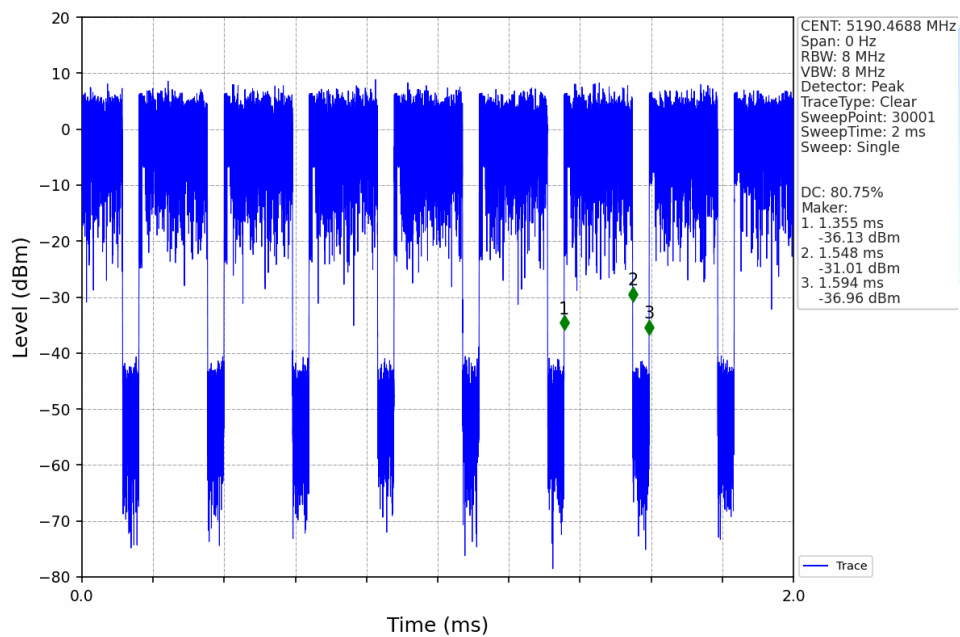
802.11ac(VHT80) MCH 5210MHz_Ant1_NTNV



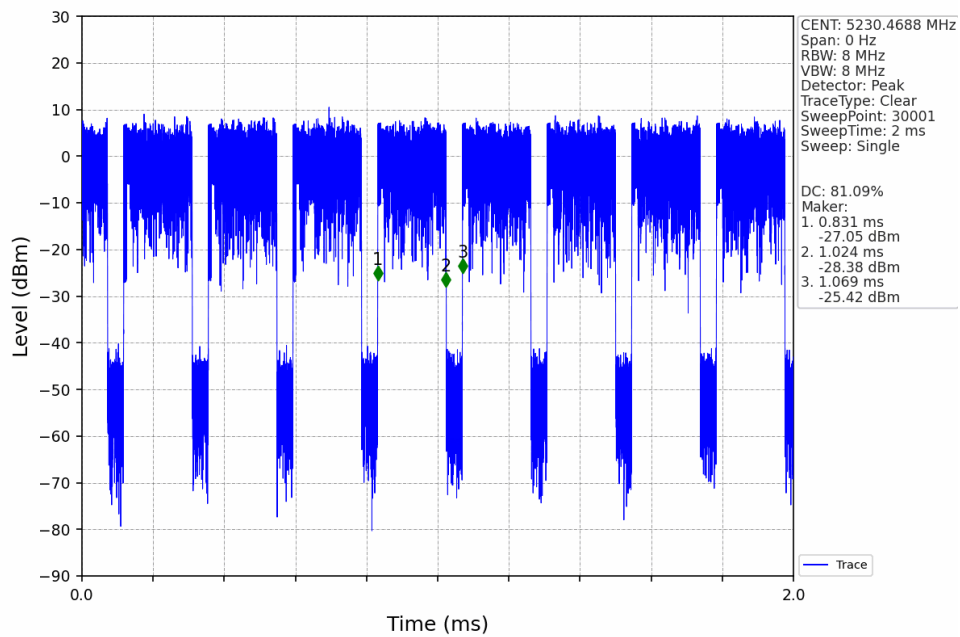
802.11ax(HEW20)_LCH_5180MHz_SU_ / Ant1_NTNV



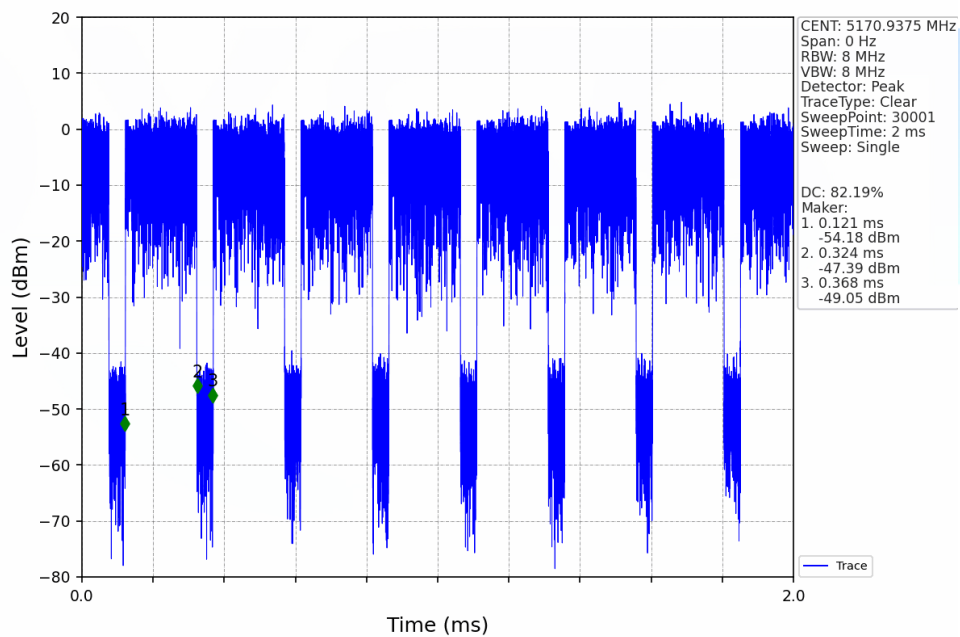
802.11ax(HEW20)_MCH_5200MHz_SU_ / Ant1_NTNV



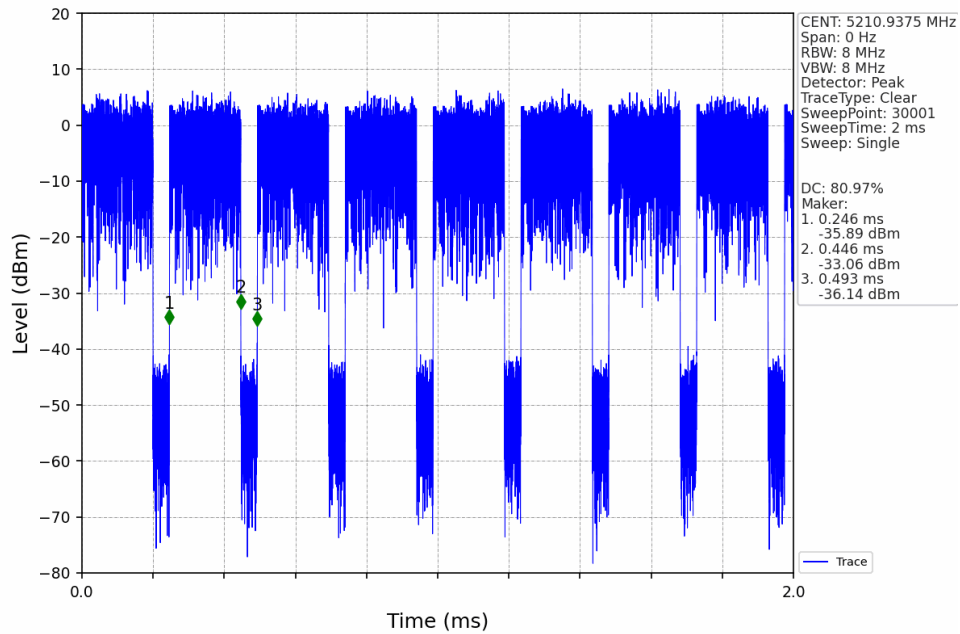
802.11ax(HEW20)_HCH_5240MHz_SU_ / Ant1_NTNV



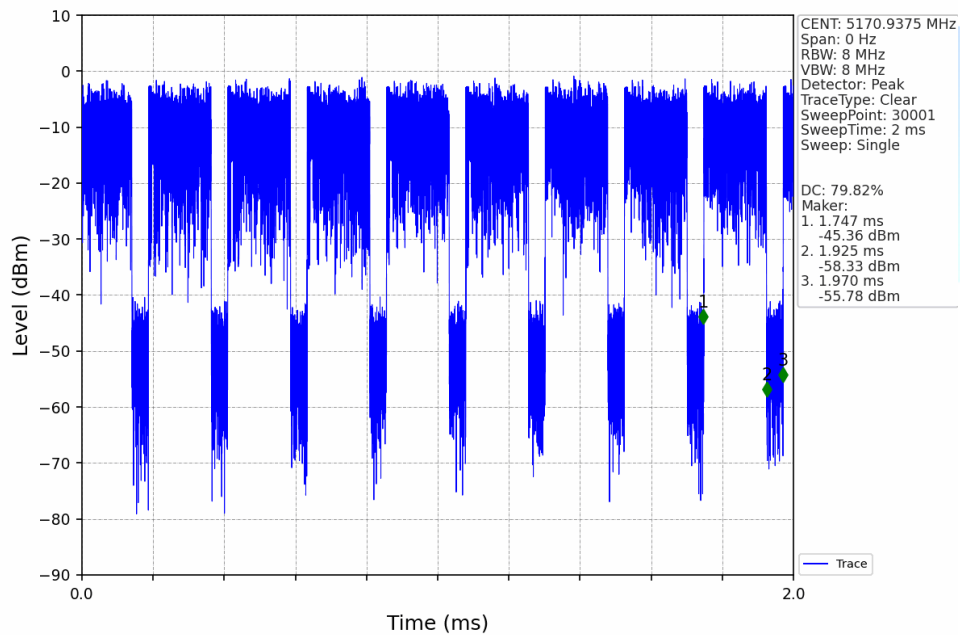
802.11ax(HEW40)_LCH_5190MHz_SU_ / Ant1_NTNV



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	17.460	/	Pass
		5200	/	/	1	17.453	/	Pass
		5240	/	/	1	17.421	/	Pass
802.11n (HT20)	SISO	5180	/	/	1	18.427	/	Pass
		5200	/	/	1	18.313	/	Pass
		5240	/	/	1	18.424	/	Pass
802.11n (HT40)	SISO	5190	/	/	1	36.359	/	Pass
		5230	/	/	1	36.437	/	Pass
802.11ac (VHT20)	SISO	5180	/	/	1	17.494	/	Pass
		5200	/	/	1	17.436	/	Pass
		5240	/	/	1	17.371	/	Pass
802.11ac (VHT40)	SISO	5190	/	/	1	36.301	/	Pass
		5230	/	/	1	36.472	/	Pass
802.11ac (VHT80)	SISO	5210	/	/	1	75.627	/	Pass
802.11ax (HEW20)	SISO	5180	SU	/	1	17.472	/	Pass
		5200	SU	/	1	17.408	/	Pass
		5240	SU	/	1	17.419	/	Pass
802.11ax (HEW40)	SISO	5190	SU	/	1	36.341	/	Pass
		5230	SU	/	1	36.433	/	Pass
802.11ax (HEW80)	SISO	5210	SU	/	1	75.568	/	Pass

2.1.2 26dB BW

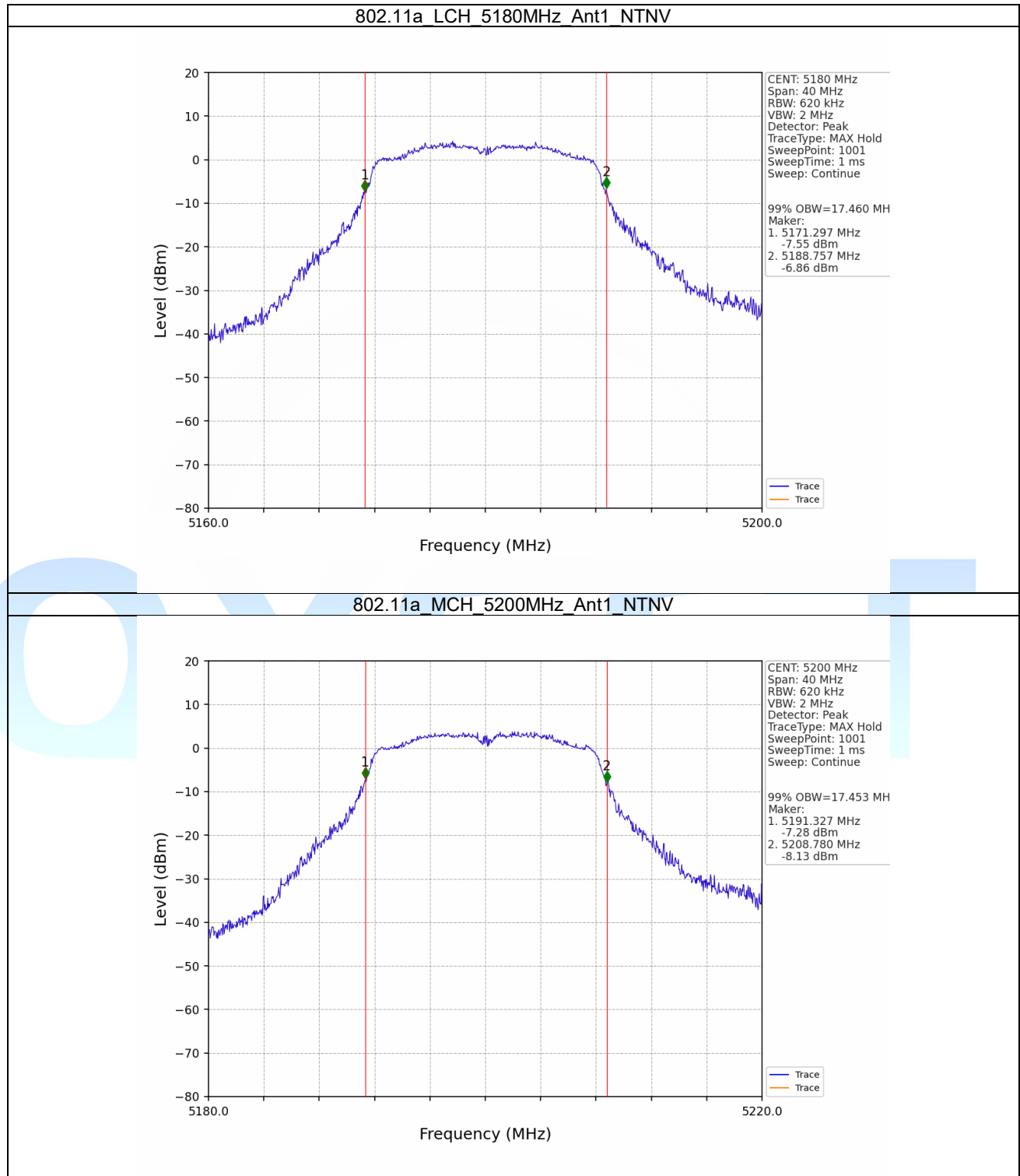
Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	26dB Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	SISO	5180	/	/	1	22.317	/	Pass
		5200	/	/	1	22.943	/	Pass
		5240	/	/	1	23.118	/	Pass
802.11n (HT20)	SISO	5180	/	/	1	22.731	/	Pass
		5200	/	/	1	23.112	/	Pass
		5240	/	/	1	23.154	/	Pass
802.11n (HT40)	SISO	5190	/	/	1	43.679	/	Pass
		5230	/	/	1	42.846	/	Pass
802.11ac (VHT20)	SISO	5180	/	/	1	23.136	/	Pass
		5200	/	/	1	23.024	/	Pass
		5240	/	/	1	22.530	/	Pass
802.11ac (VHT40)	SISO	5190	/	/	1	43.261	/	Pass
		5230	/	/	1	43.961	/	Pass
802.11ac (VHT80)	SISO	5210	/	/	1	85.595	/	Pass
802.11ax (HEW20)	SISO	5180	SU	/	1	23.274	/	Pass
		5200	SU	/	1	22.840	/	Pass
		5240	SU	/	1	22.648	/	Pass
802.11ax (HEW40)	SISO	5190	SU	/	1	43.172	/	Pass
		5230	SU	/	1	43.884	/	Pass
802.11ax	SISO	5210	SU	/	1	85.633	/	Pass

(HEW80)								
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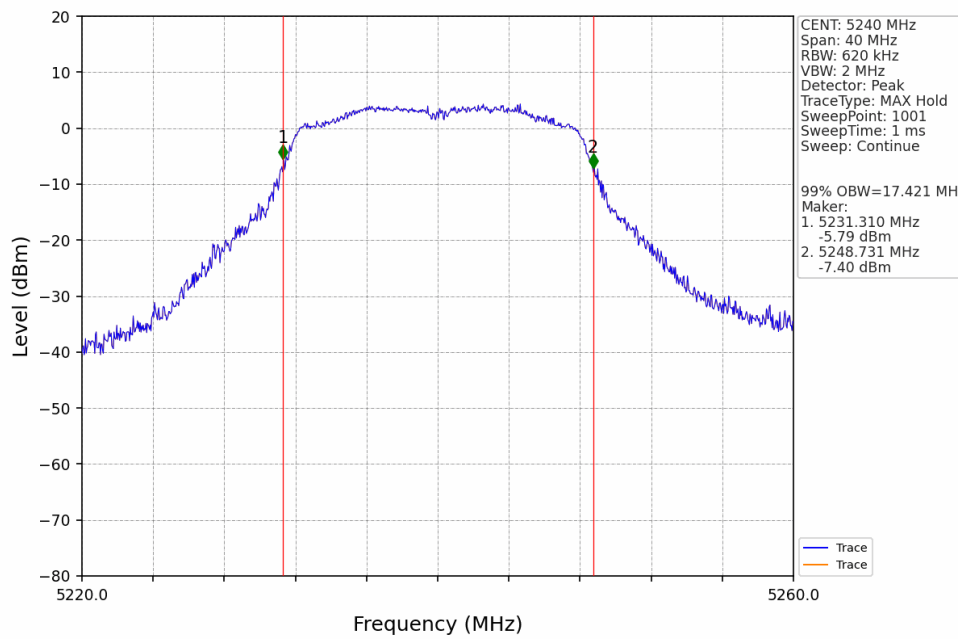


2.2 Test Graph

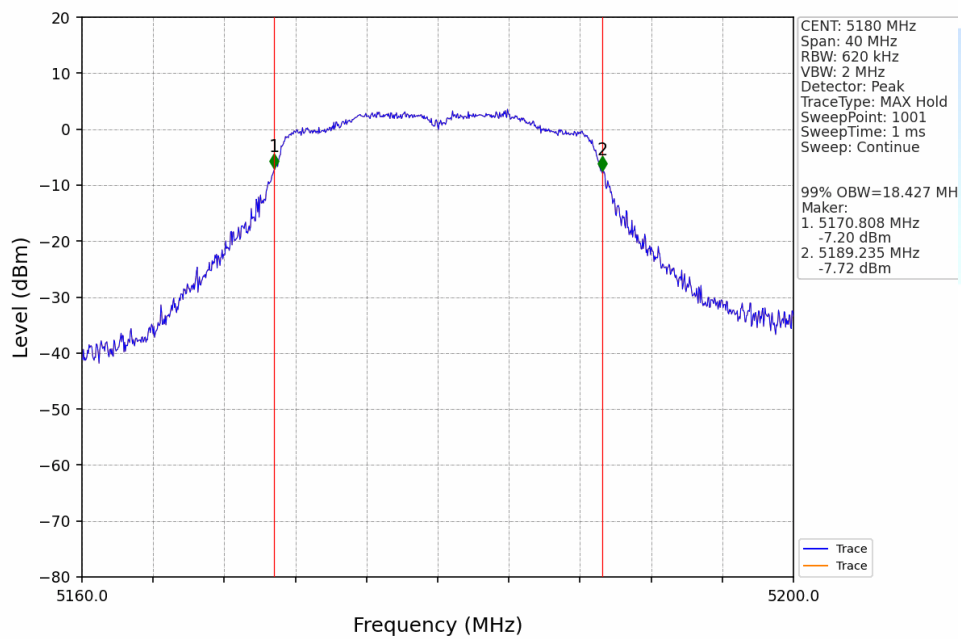
2.2.1 OBW



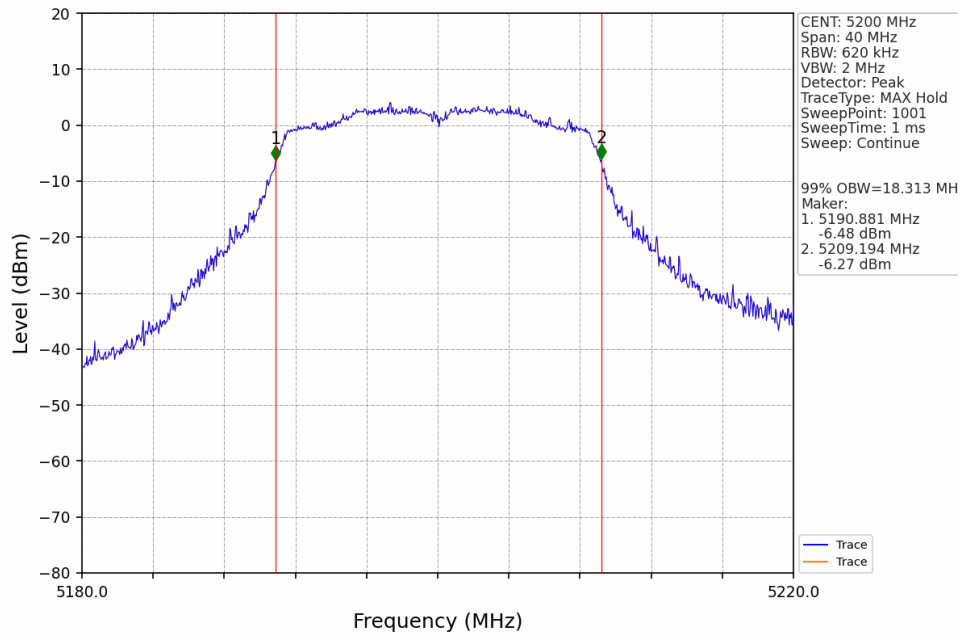
802.11a_HCH_5240MHz_Ant1_NTNV



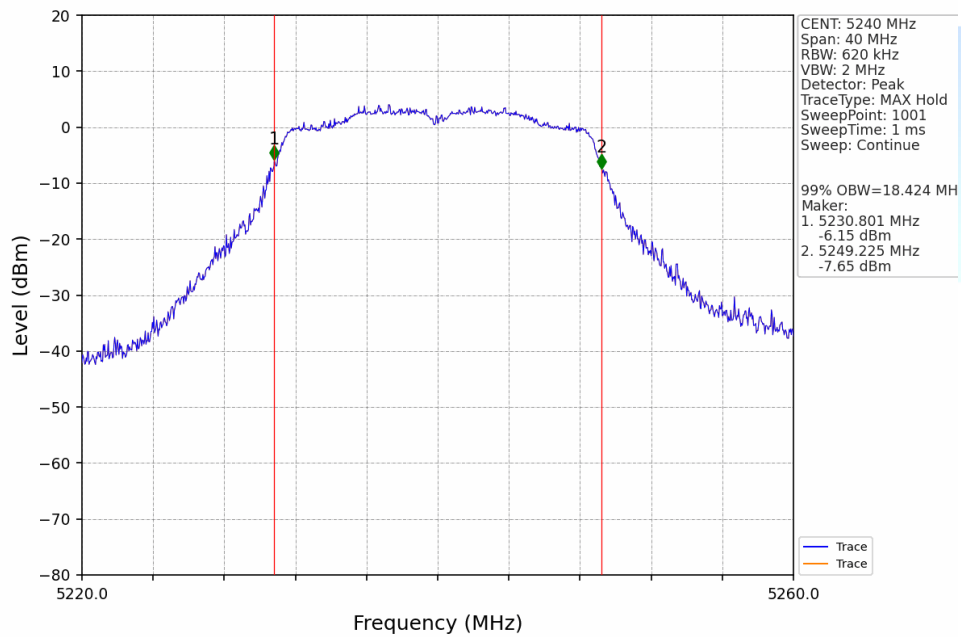
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



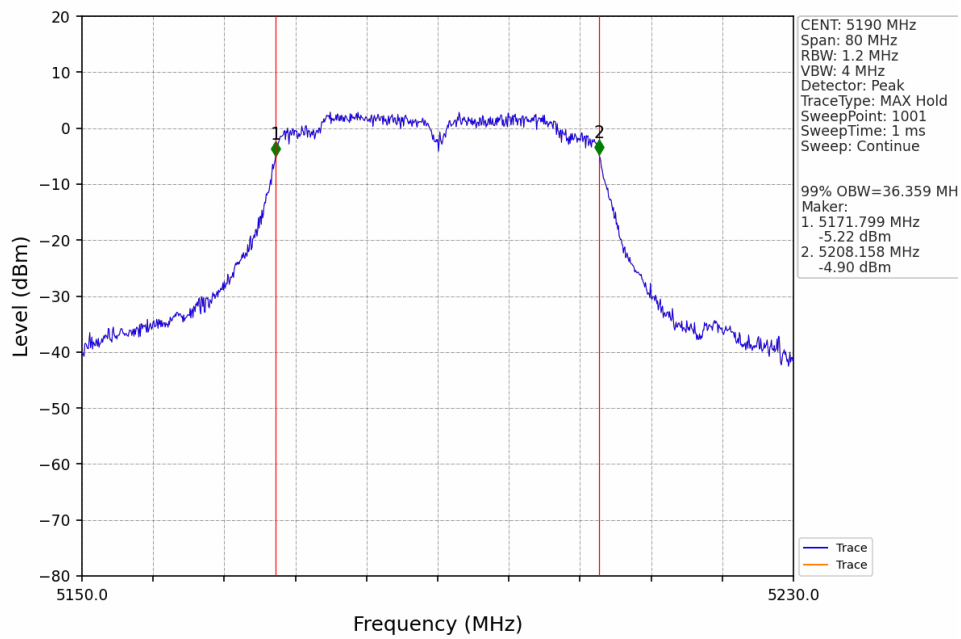
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



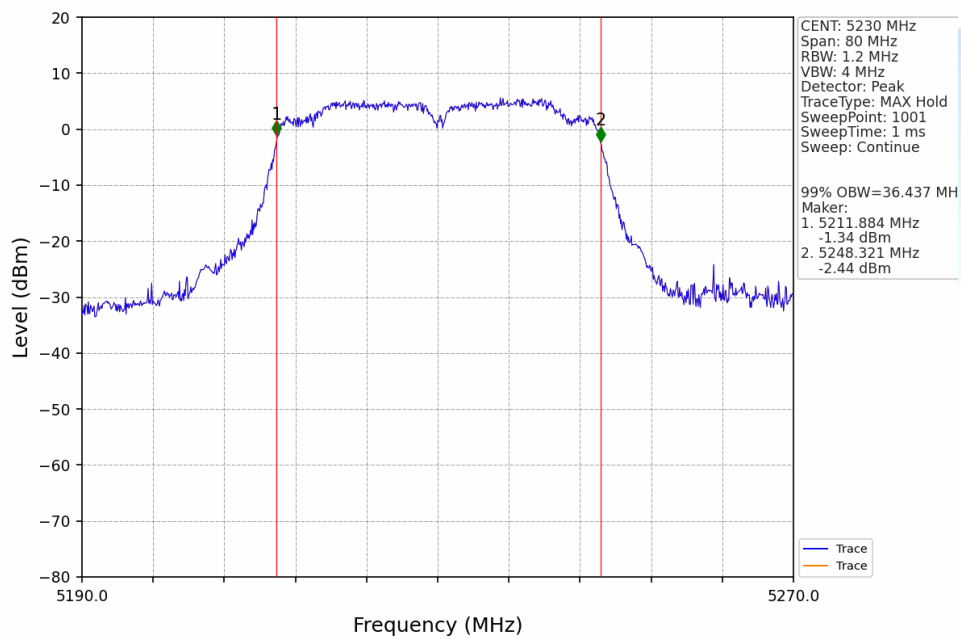
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



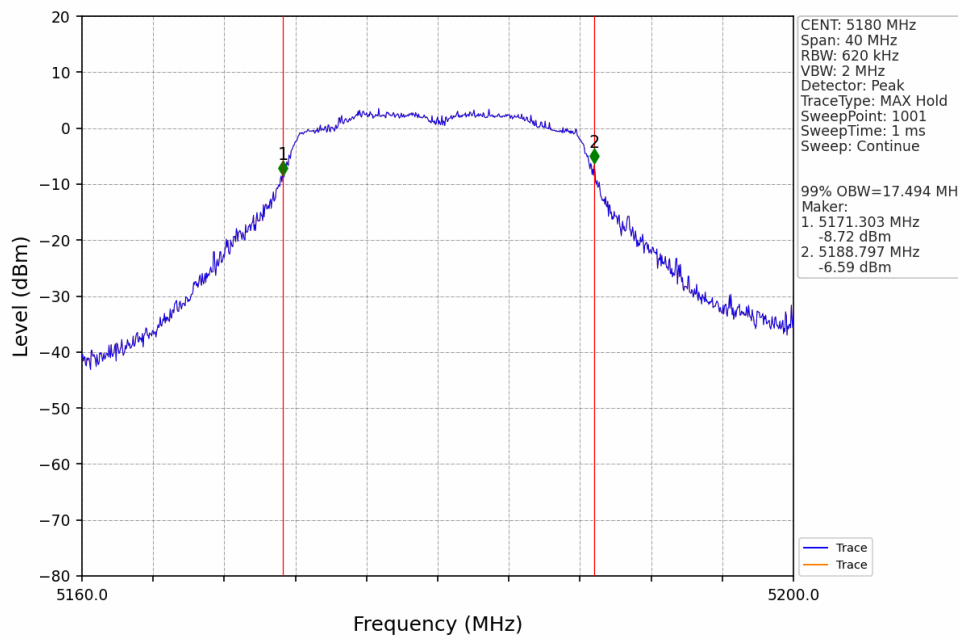
802.11n(HT40) LCH 5190MHz_Ant1_NTNV



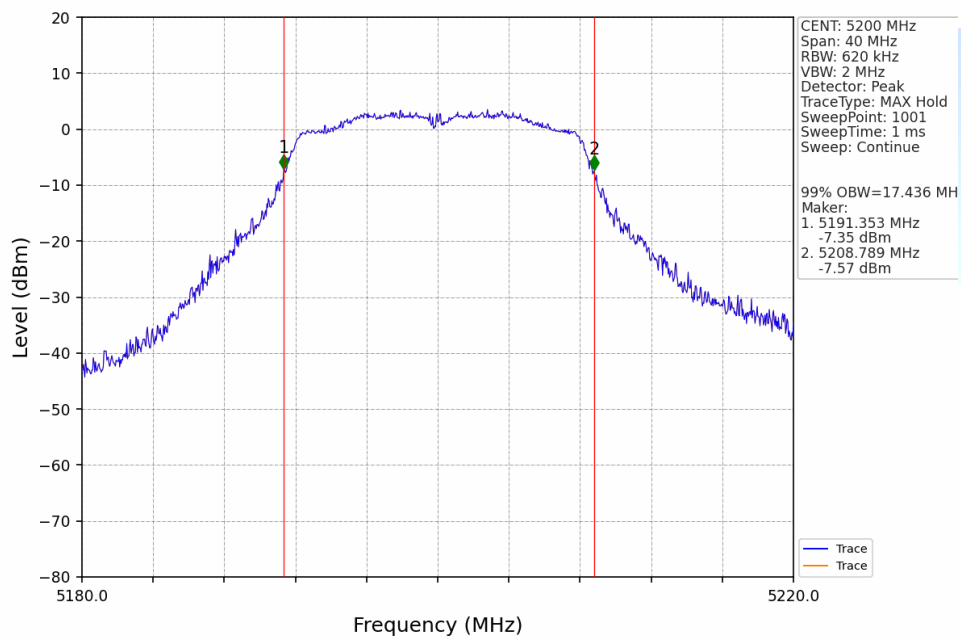
802.11n(HT40) HCH 5230MHz_Ant1_NTNV



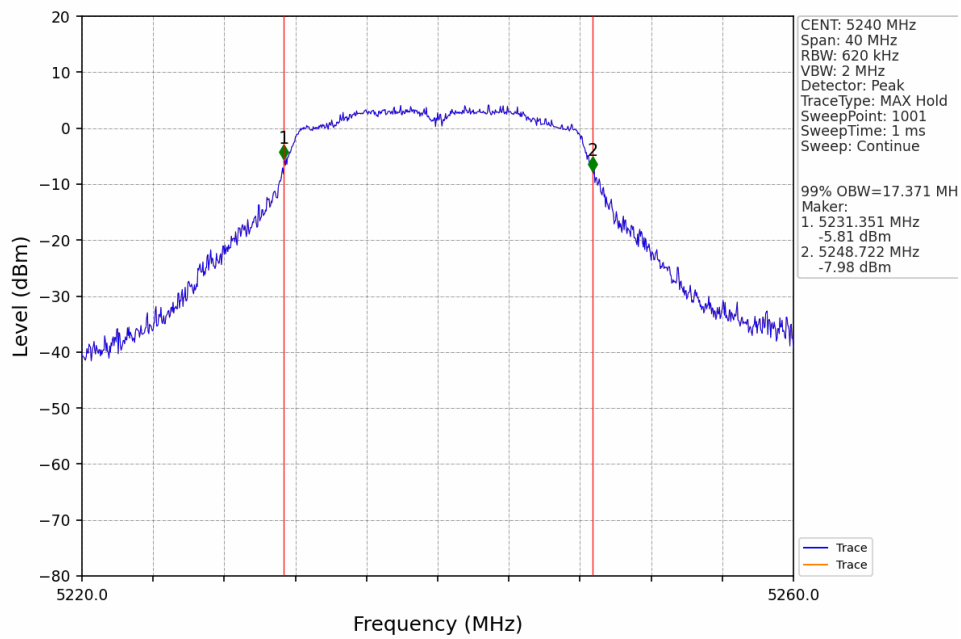
802.11ac(VHT20) LCH_5180MHz_Ant1_NTNV



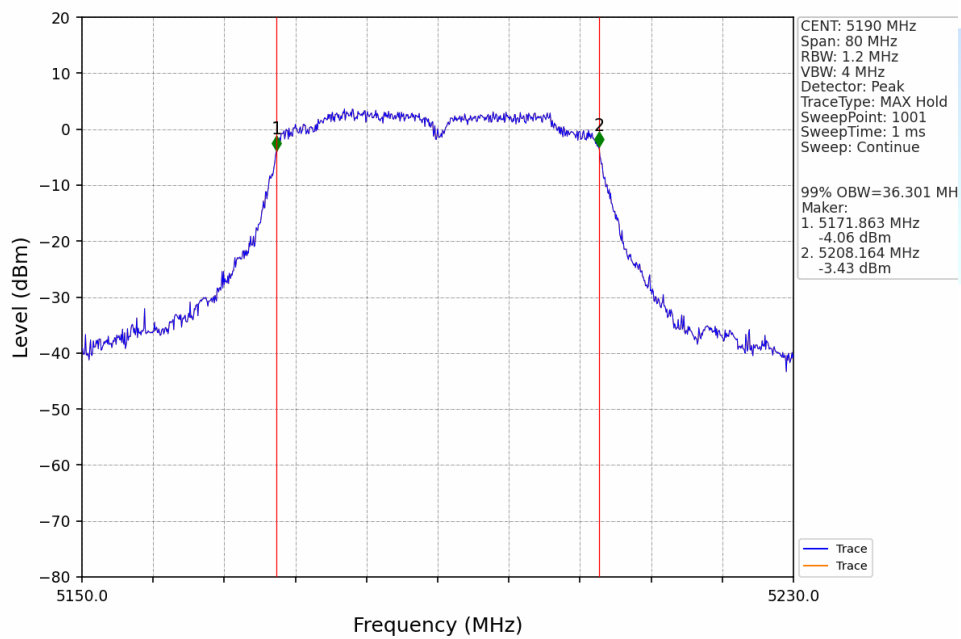
802.11ac(VHT20) MCH_5200MHz_Ant1_NTNV



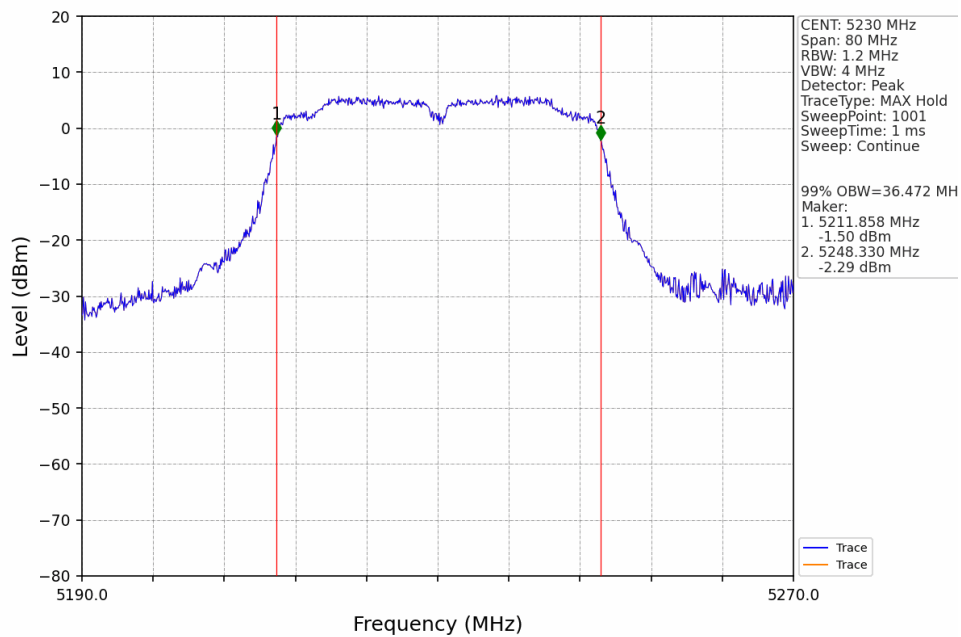
802.11ac(VHT20) HCH 5240MHz Ant1_NTNV



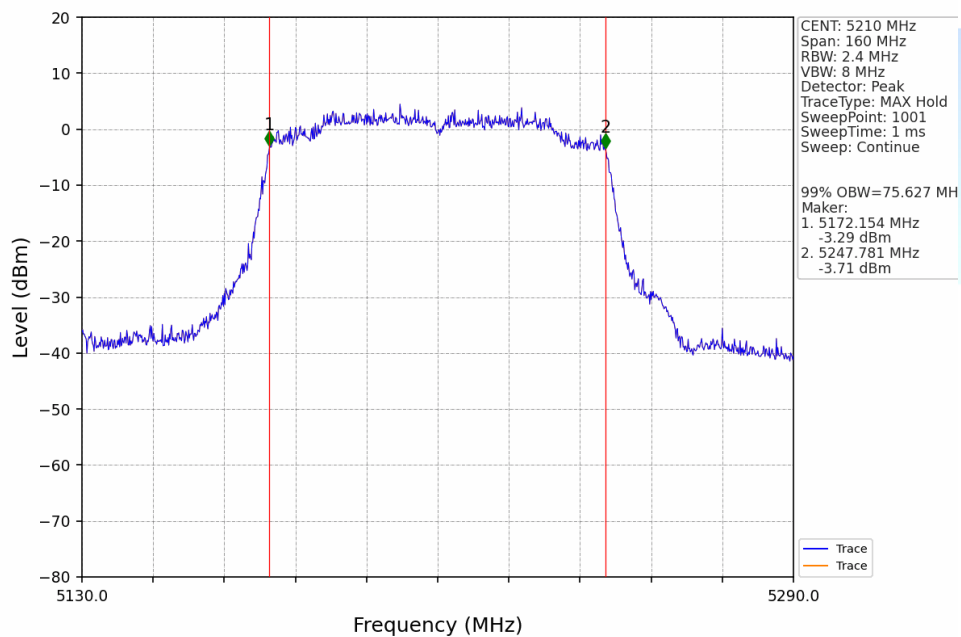
802.11ac(VHT40) LCH 5190MHz Ant1_NTNV



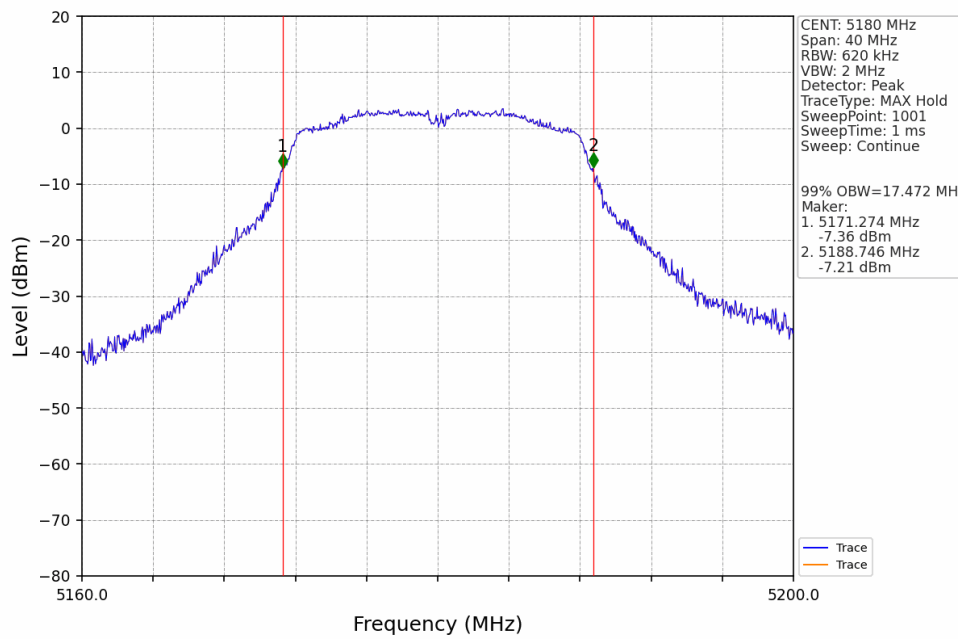
802.11ac(VHT40) HCH 5230MHz Ant1_NTNV



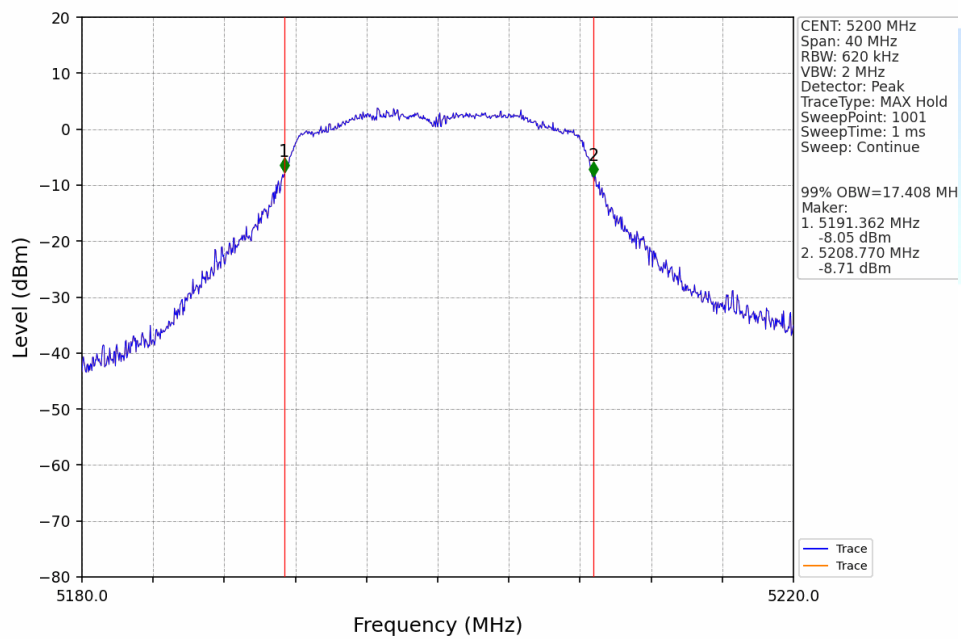
802.11ac(VHT80) MCH 5210MHz Ant1_NTNV



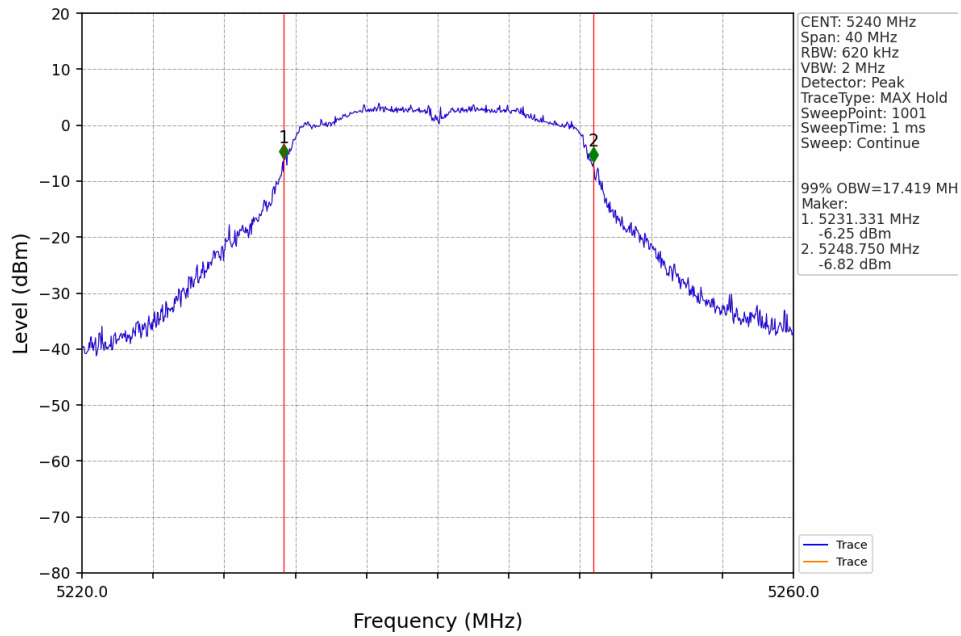
802.11ax(HEW20)_LCH_5180MHz_SU_ / _Ant1_NTNV



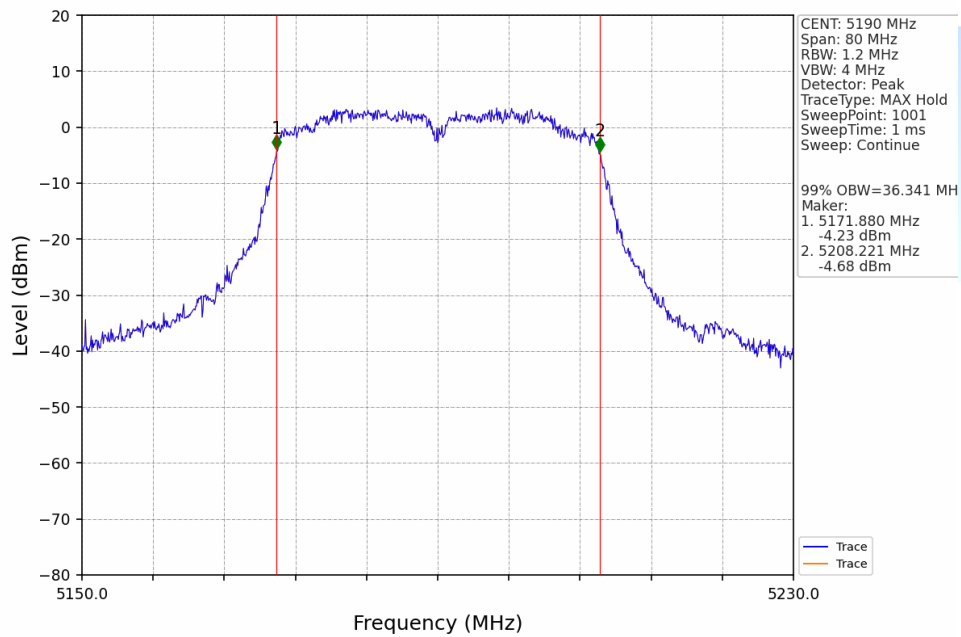
802.11ax(HEW20)_MCH_5200MHz_SU_ / _Ant1_NTNV



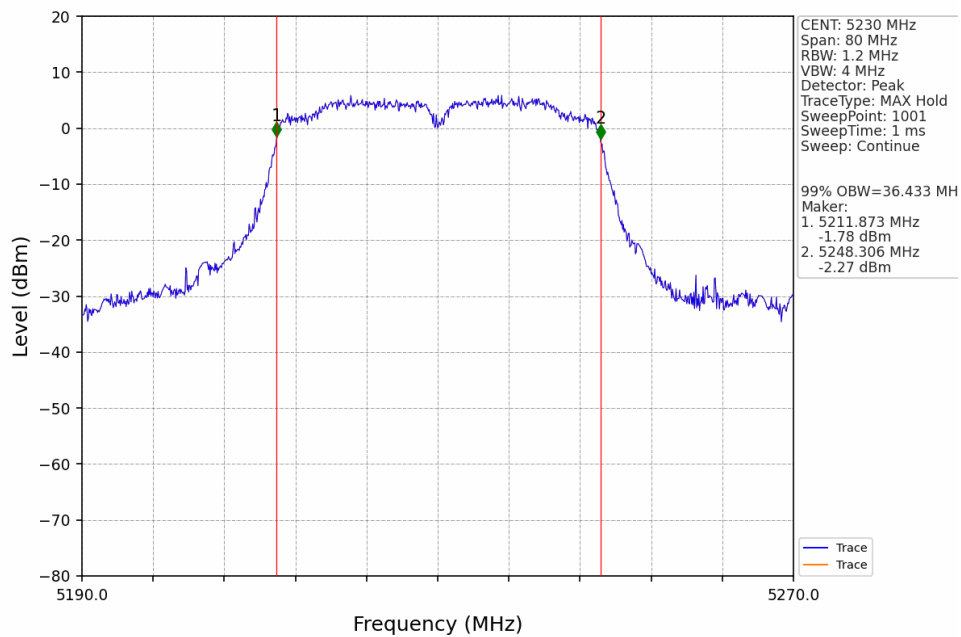
802.11ax(HEW20)_HCH_5240MHz_SU_ / Ant1_NTNV



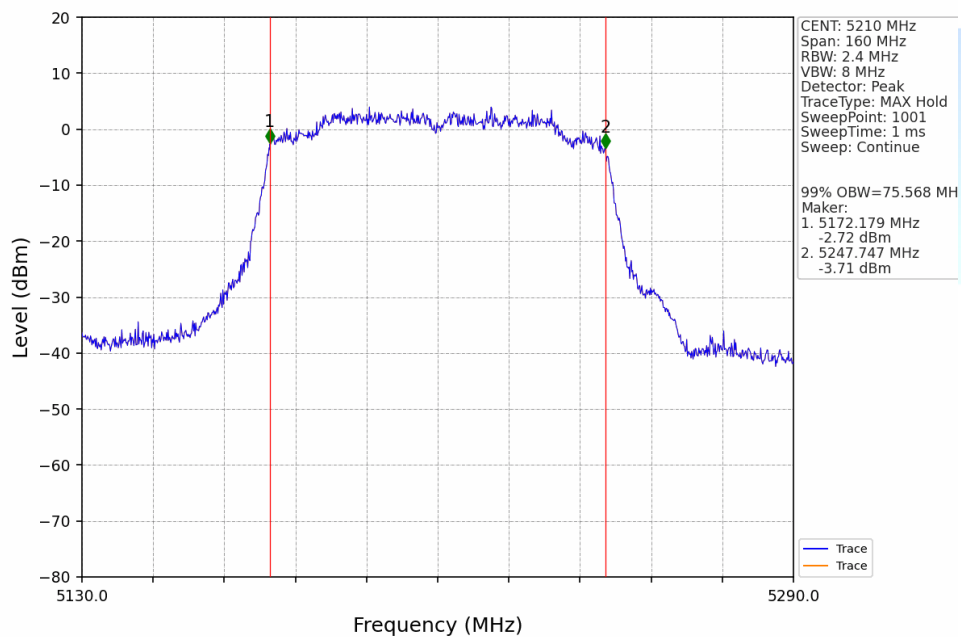
802.11ax(HEW40)_LCH_5190MHz_SU_ / Ant1_NTNV



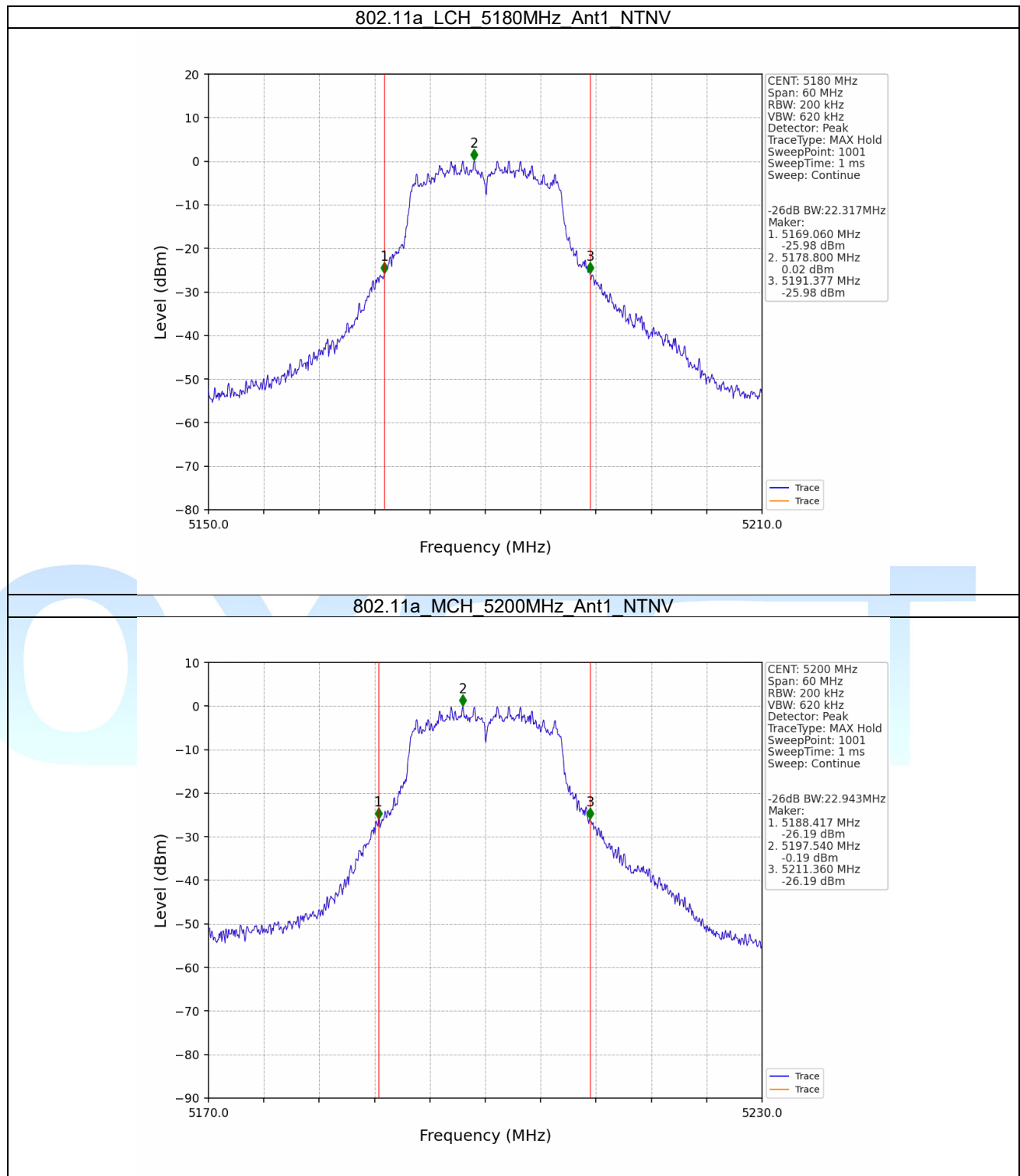
802.11ax(HEW40)_HCH_5230MHz_SU / Ant1_NTNV



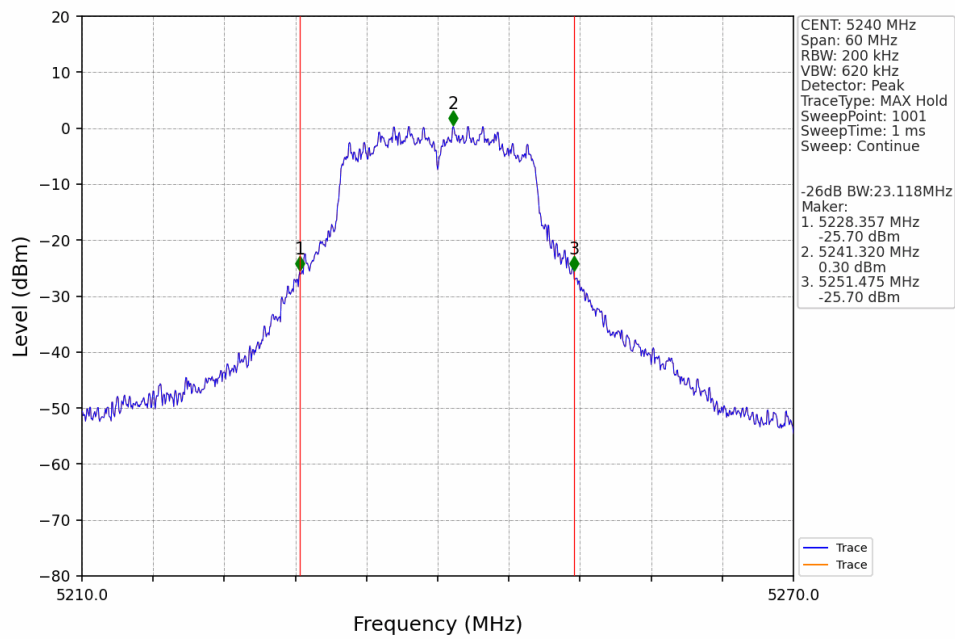
802.11ax(HEW80)_MCH_5210MHz_SU / Ant1_NTNV



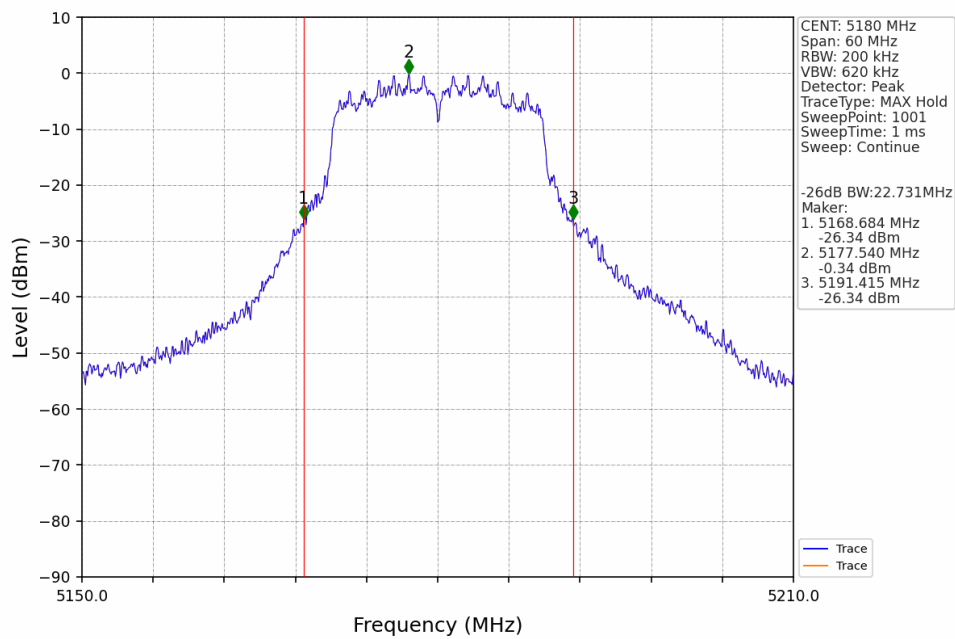
2.2.2 26dB BW



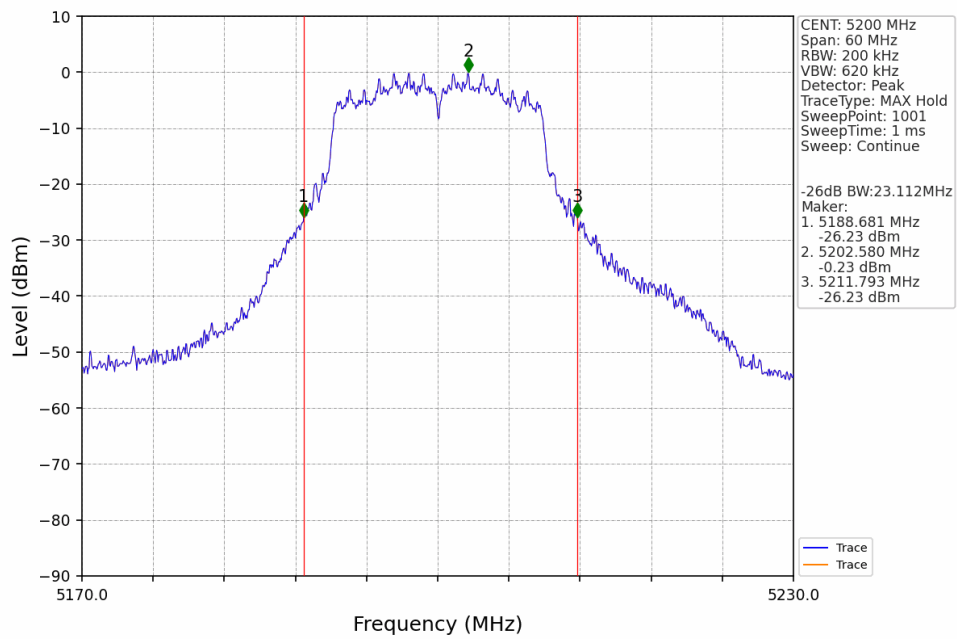
802.11a_HCH_5240MHz_Ant1_NTNV



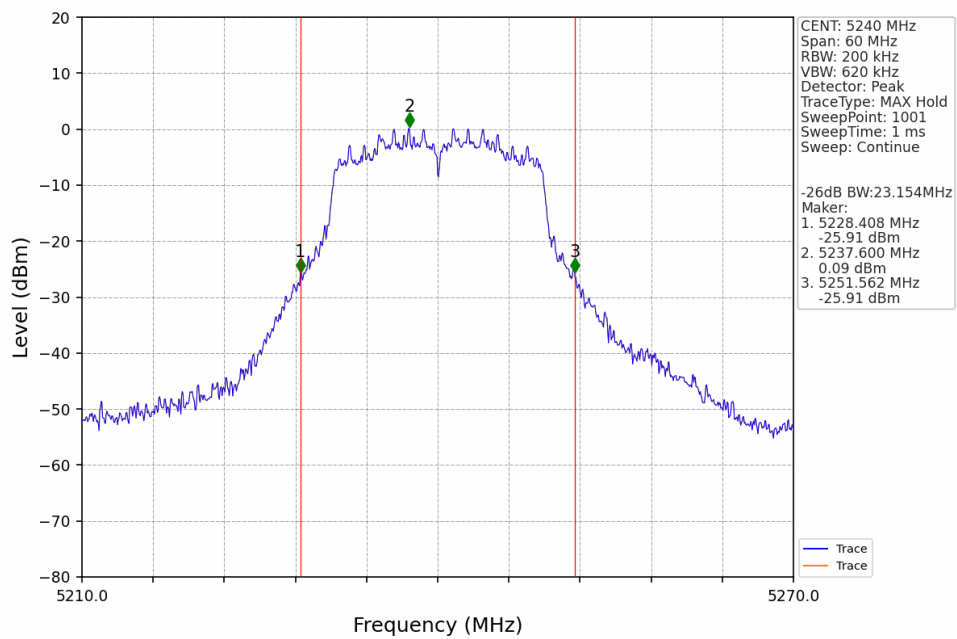
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



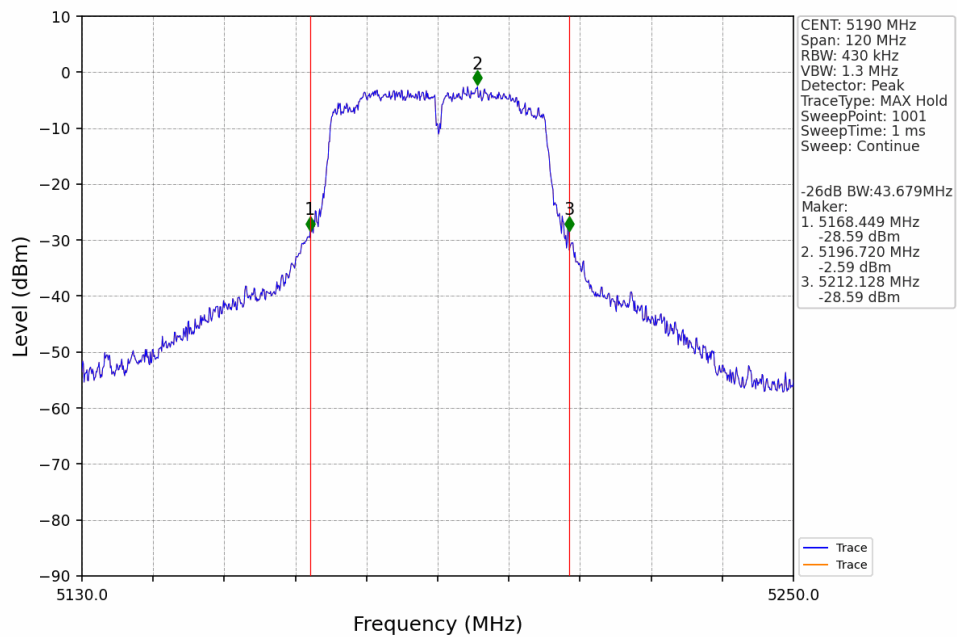
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



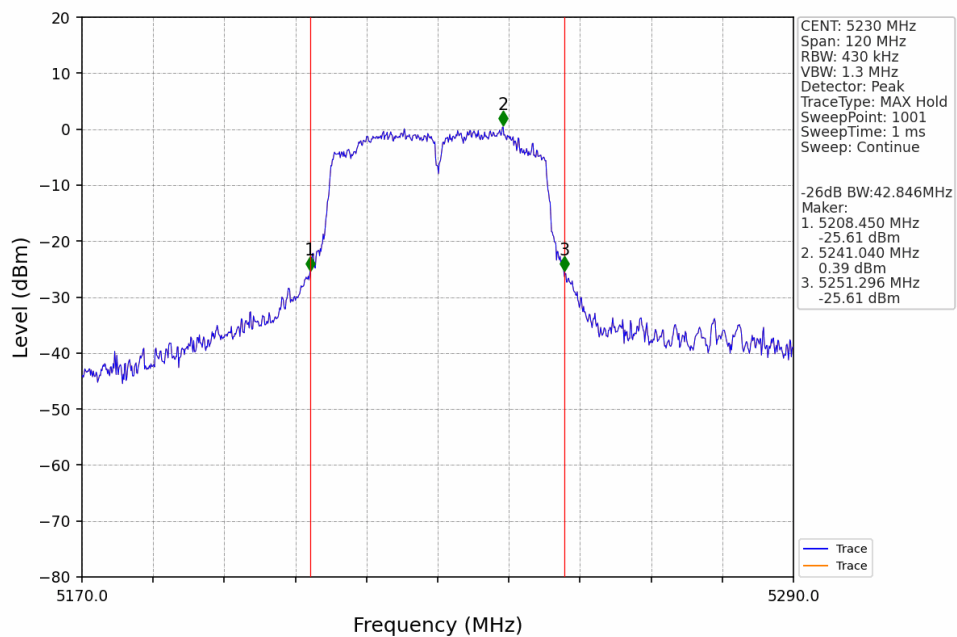
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



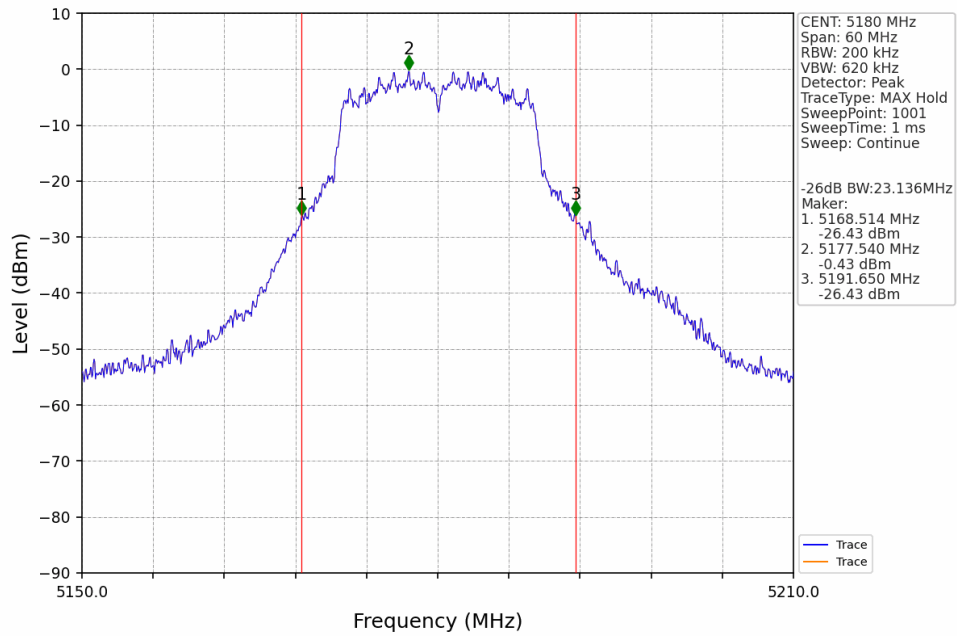
802.11n(HT40) LCH 5190MHz_Ant1_NTNV



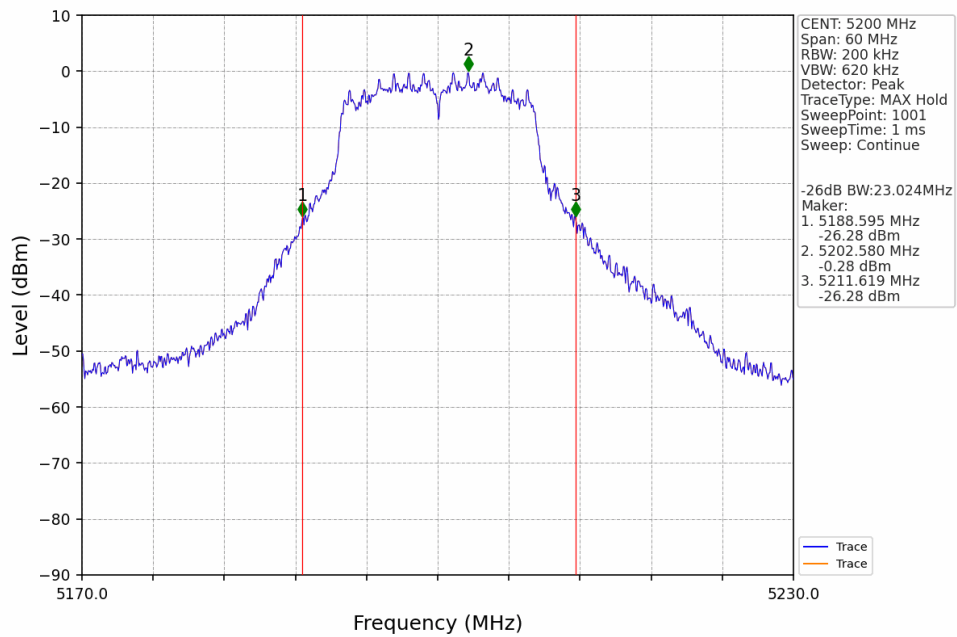
802.11n(HT40) HCH 5230MHz_Ant1_NTNV



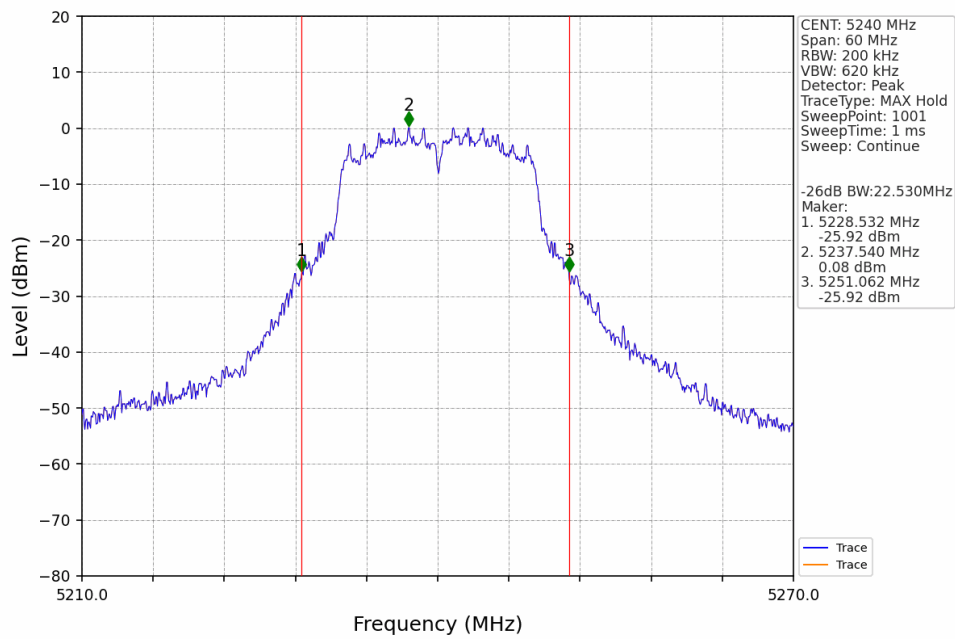
802.11ac(VHT20) LCH_5180MHz_Ant1_NTNV



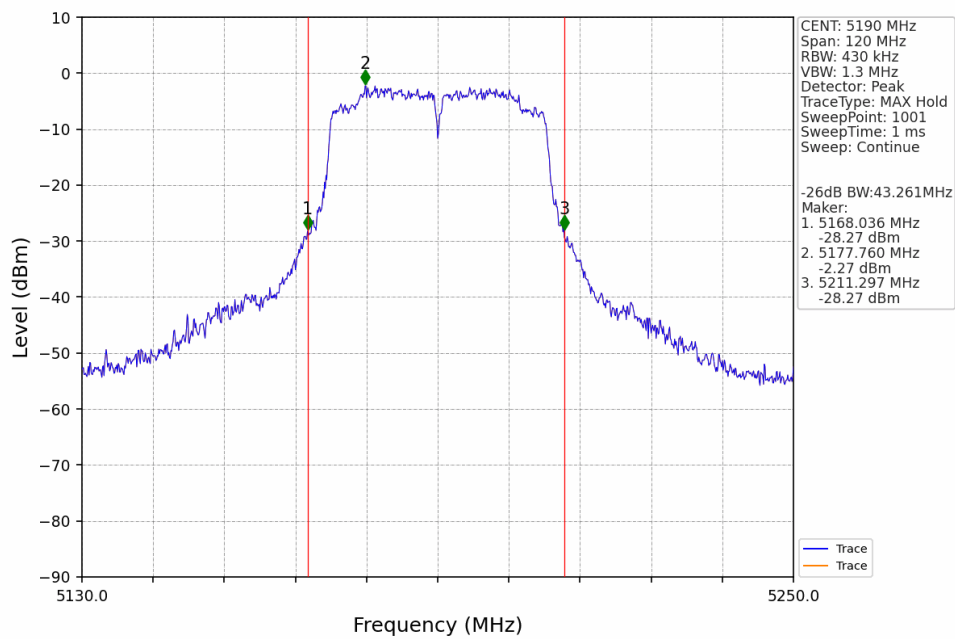
802.11ac(VHT20) MCH_5200MHz_Ant1_NTNV



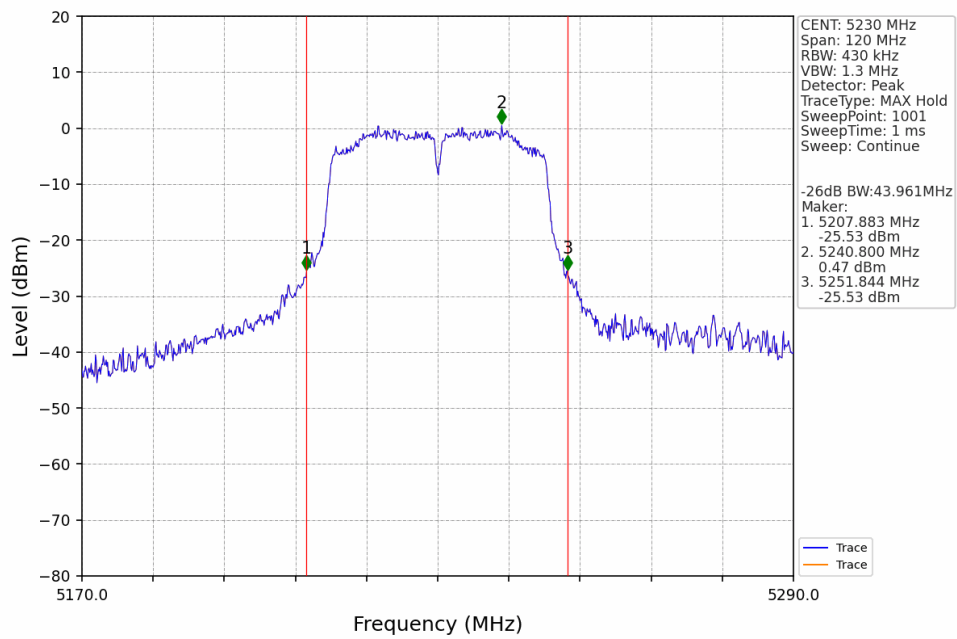
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



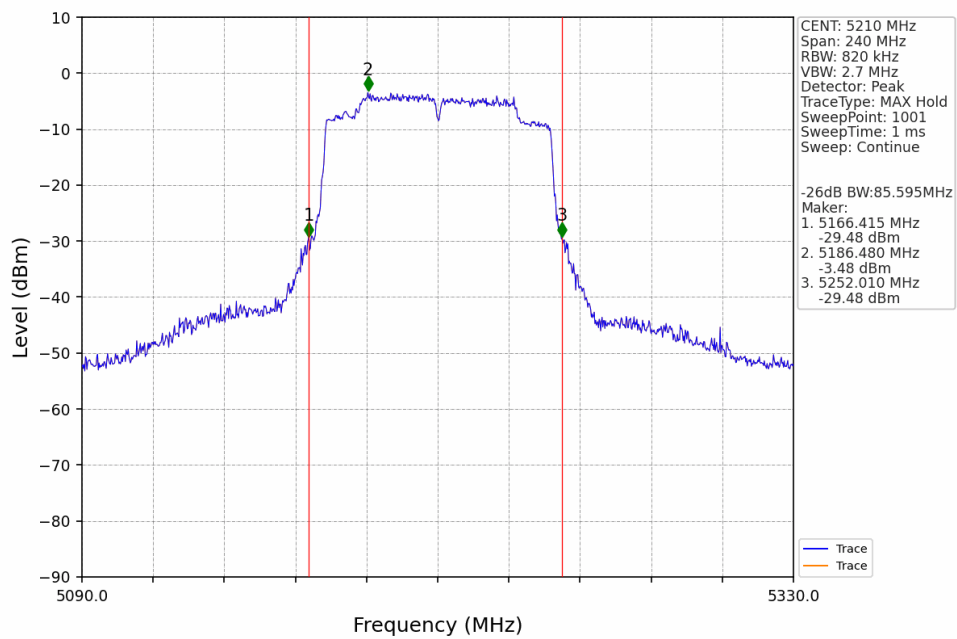
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



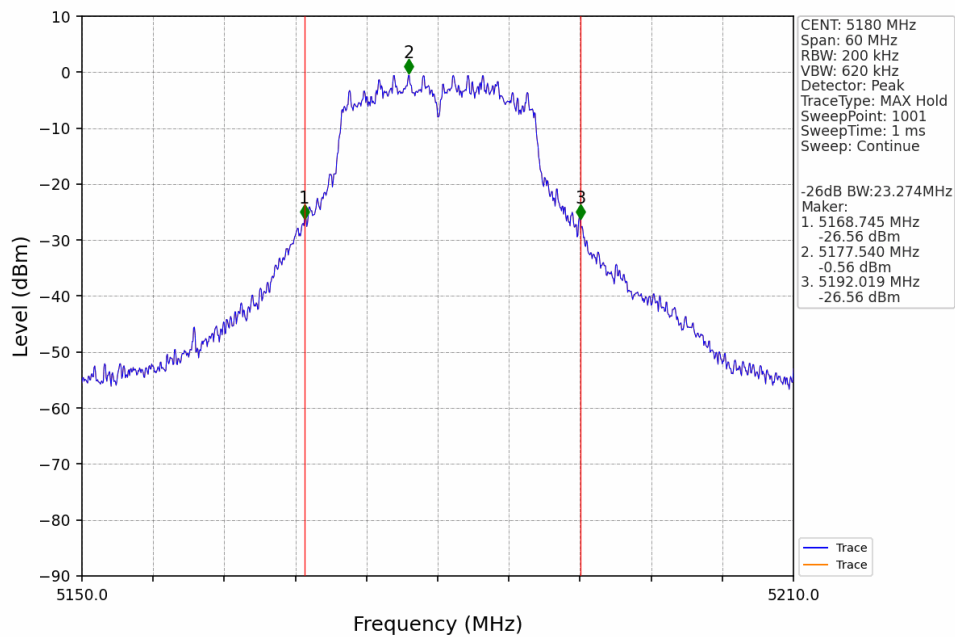
802.11ac(VHT40) HCH 5230MHz_Ant1_NTNV



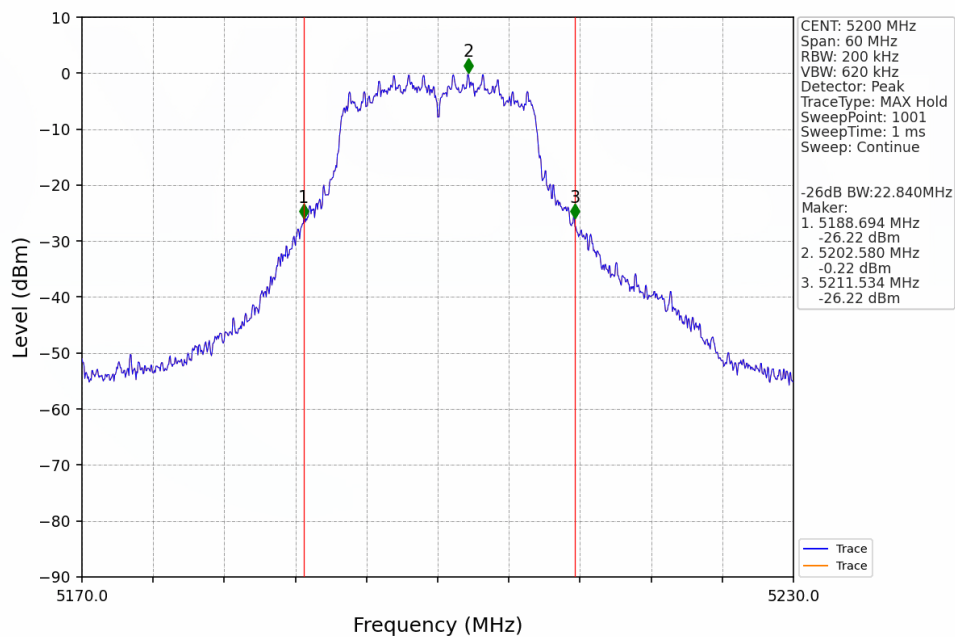
802.11ac(VHT80) MCH 5210MHz_Ant1_NTNV



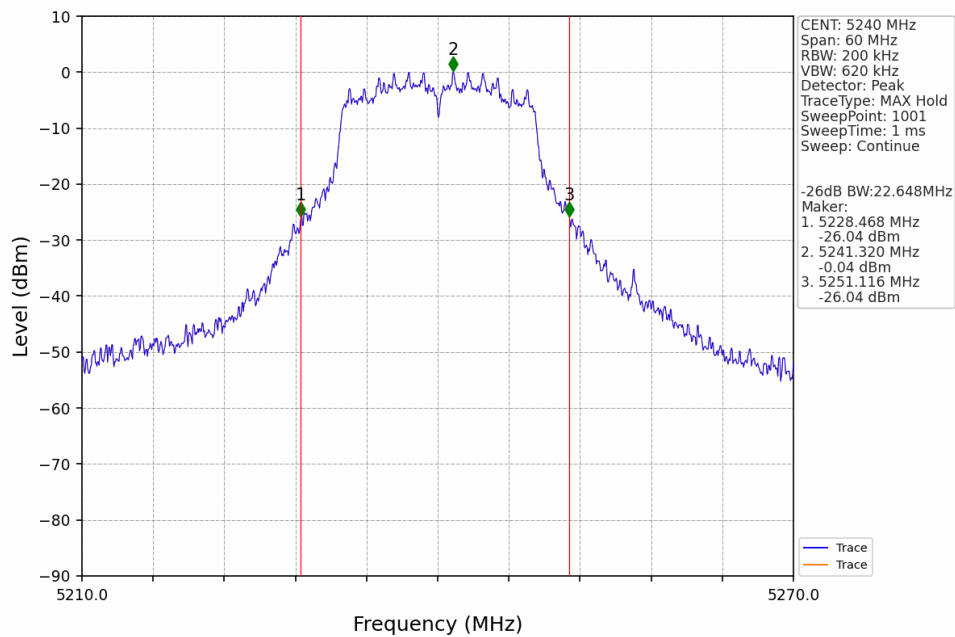
802.11ax(HEW20)_LCH_5180MHz_SU_ / Ant1_NTNV



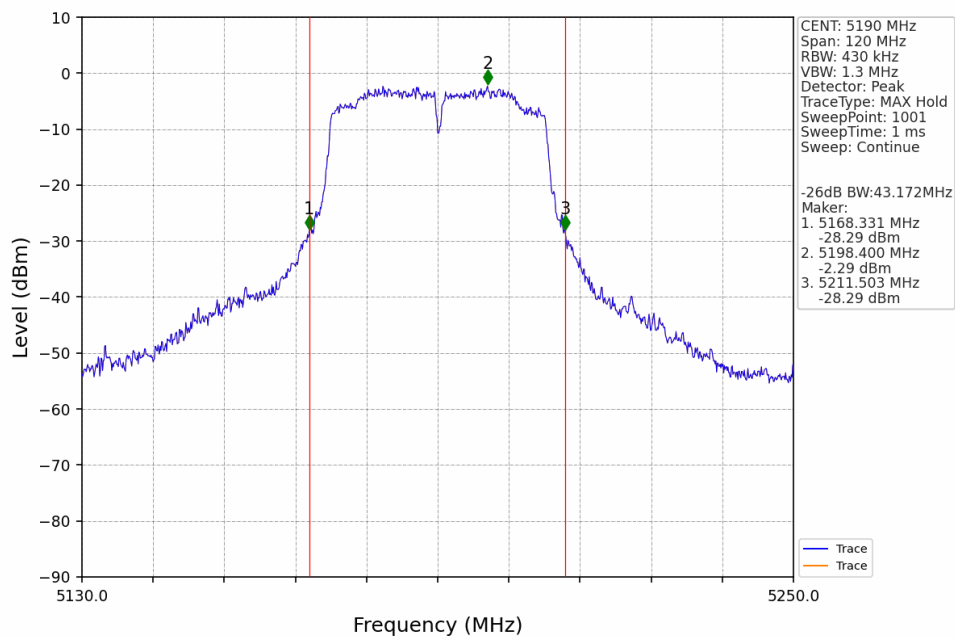
802.11ax(HEW20)_MCH_5200MHz_SU_ / Ant1_NTNV



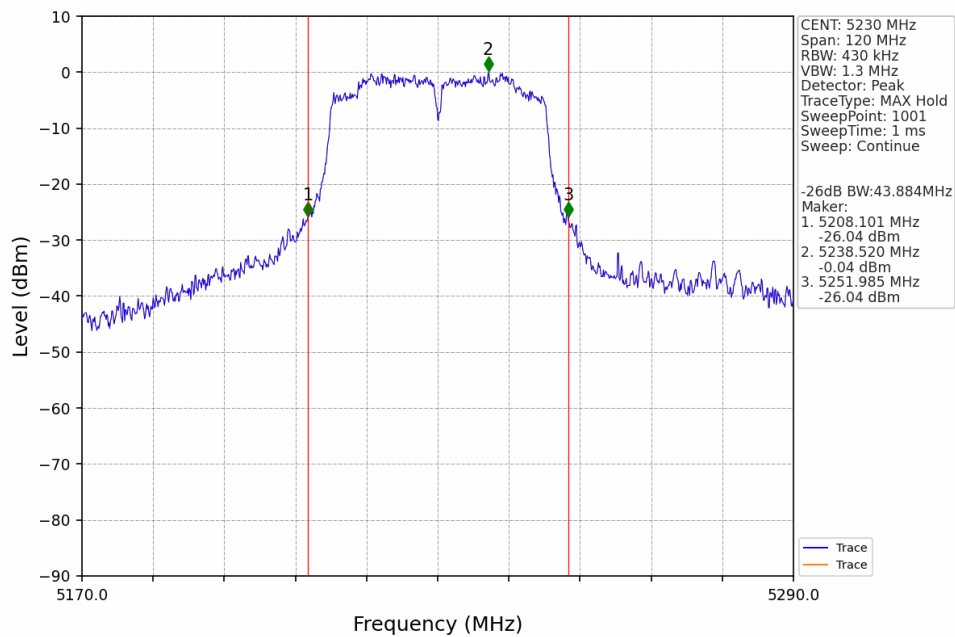
802.11ax(HEW20)_HCH_5240MHz_SU / Ant1_NTNV



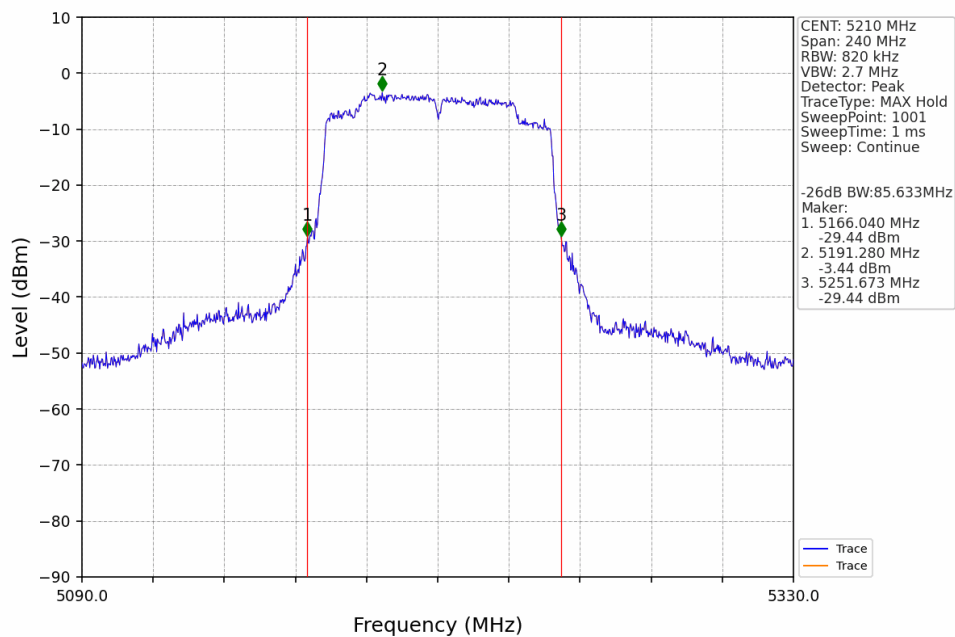
802.11ax(HEW40)_LCH_5190MHz_SU / Ant1_NTNV



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	/	/	8.64	<=23.98	Pass
		5200	/	/	8.96	<=23.98	Pass
		5240	/	/	9.19	<=23.98	Pass
802.11n (HT20)	SISO	5180	/	/	8.67	<=23.98	Pass
		5200	/	/	8.86	<=23.98	Pass
		5240	/	/	8.83	<=23.98	Pass
802.11n (HT40)	SISO	5190	/	/	7.17	<=23.98	Pass
		5230	/	/	9.45	<=23.98	Pass
802.11ac (VHT20)	SISO	5180	/	/	8.36	<=23.98	Pass
		5200	/	/	8.44	<=23.98	Pass
		5240	/	/	8.94	<=23.98	Pass
802.11ac (VHT40)	SISO	5190	/	/	7.65	<=23.98	Pass
		5230	/	/	9.80	<=23.98	Pass
802.11ac (VHT80)	SISO	5210	/	/	6.47	<=23.98	Pass
802.11ax (HEW20)	SISO	5180	SU	/	8.53	<=23.98	Pass
		5200	SU	/	8.39	<=23.98	Pass
		5240	SU	/	8.83	<=23.98	Pass
802.11ax (HEW40)	SISO	5190	SU	/	7.50	<=23.98	Pass
		5230	SU	/	9.78	<=23.98	Pass
802.11ax (HEW80)	SISO	5210	SU	/	6.48	<=23.98	Pass

Note1: Antenna Gain: Ant1: 1.78dBi;

4. Maximum Power Spectral Density

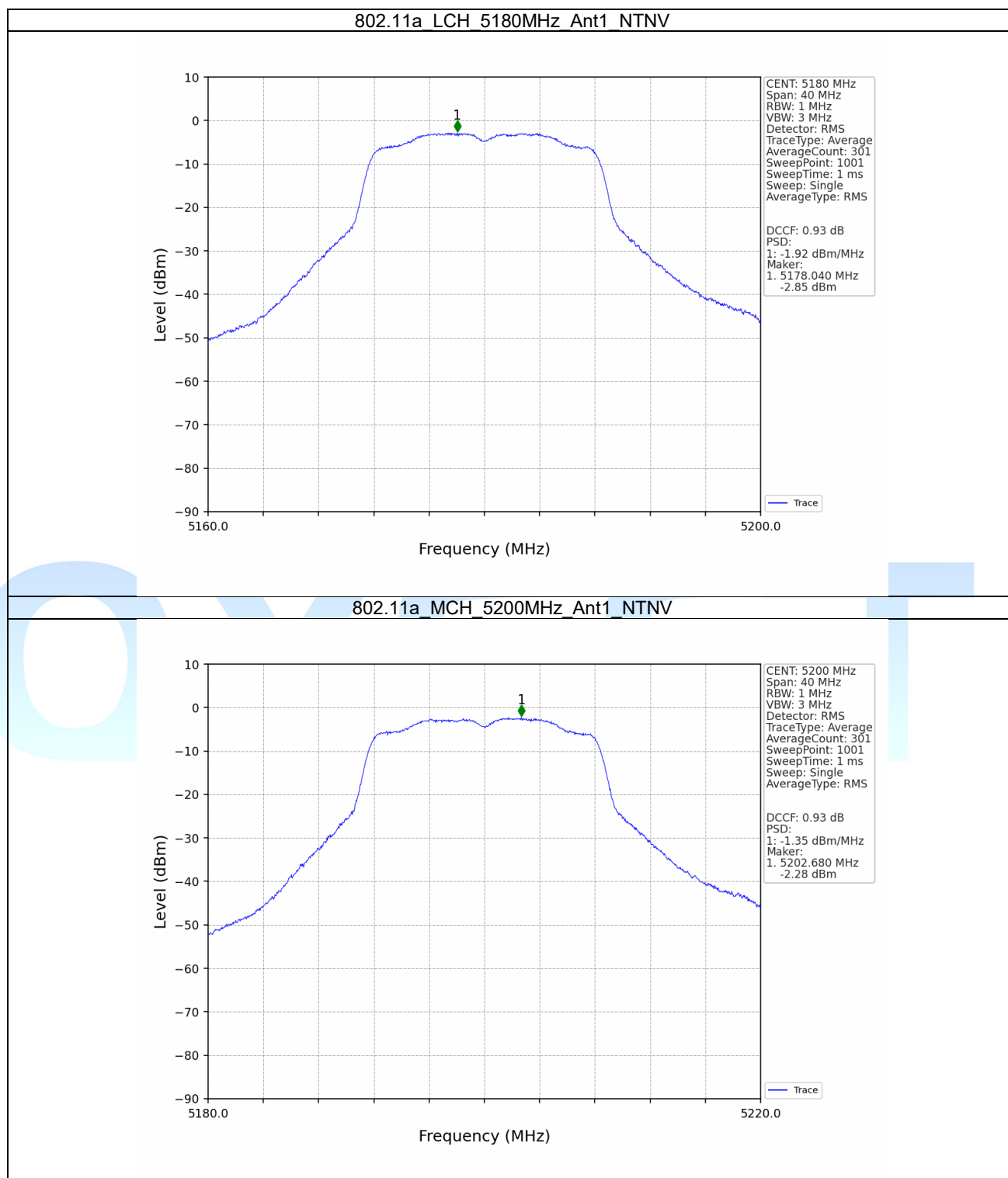
4.1 Test Result

4.1.1 PSD

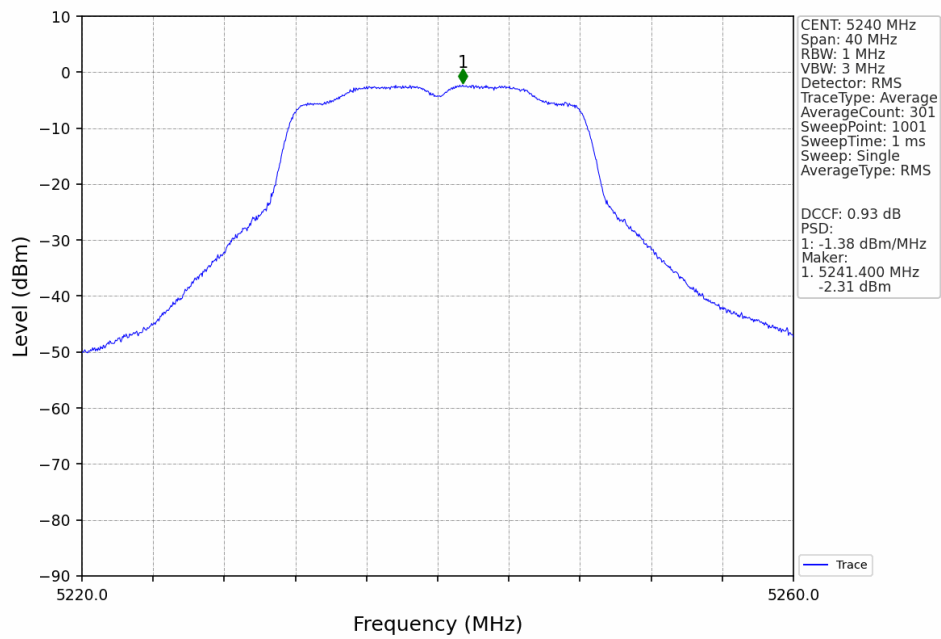
Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum PSD (dBm/MHz)		Verdict
					ANT1	Limit	
802.11a	SISO	5180	/	/	-1.92	<=11	Pass
		5200	/	/	-1.35	<=11	Pass
		5240	/	/	-1.38	<=11	Pass
802.11n (HT20)	SISO	5180	/	/	-1.73	<=11	Pass
		5200	/	/	-1.85	<=11	Pass
		5240	/	/	-1.87	<=11	Pass
802.11n (HT40)	SISO	5190	/	/	-6.56	<=11	Pass
		5230	/	/	-4.33	<=11	Pass
802.11ac (VHT20)	SISO	5180	/	/	-2.12	<=11	Pass
		5200	/	/	-1.84	<=11	Pass
		5240	/	/	-1.54	<=11	Pass
802.11ac (VHT40)	SISO	5190	/	/	-6.05	<=11	Pass
		5230	/	/	-4.19	<=11	Pass
802.11ac (VHT80)	SISO	5210	/	/	-10.10	<=11	Pass
802.11ax (HEW20)	SISO	5180	SU	/	-1.78	<=11	Pass
		5200	SU	/	-1.97	<=11	Pass
		5240	SU	/	-1.57	<=11	Pass
802.11ax (HEW40)	SISO	5190	SU	/	-6.33	<=11	Pass
		5230	SU	/	-4.22	<=11	Pass
802.11ax (HEW80)	SISO	5210	SU	/	-10.24	<=11	Pass
Note1: Antenna Gain: Ant1: 1.78dBi;							

4.2 Test Graph

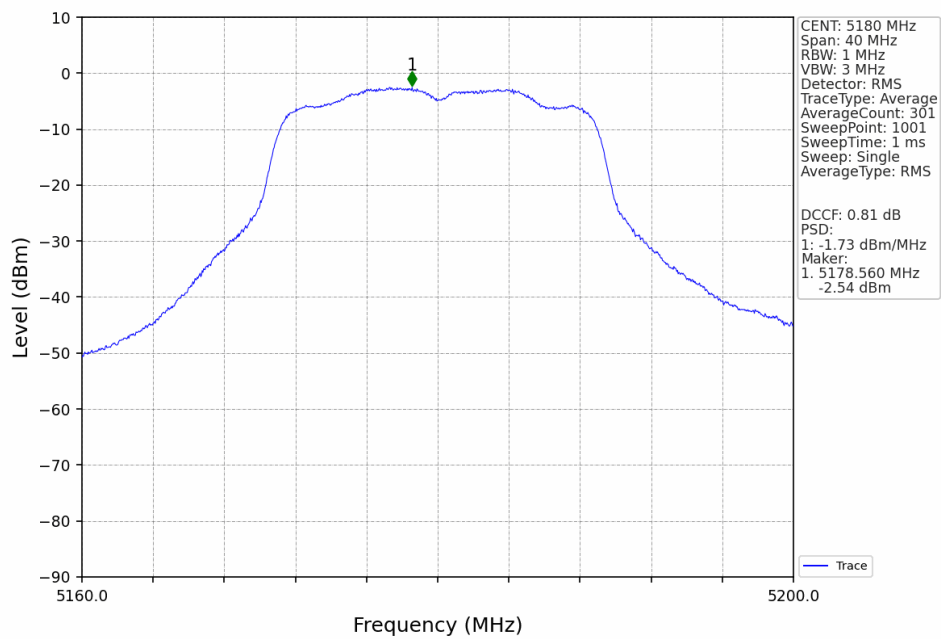
4.2.1 PSD



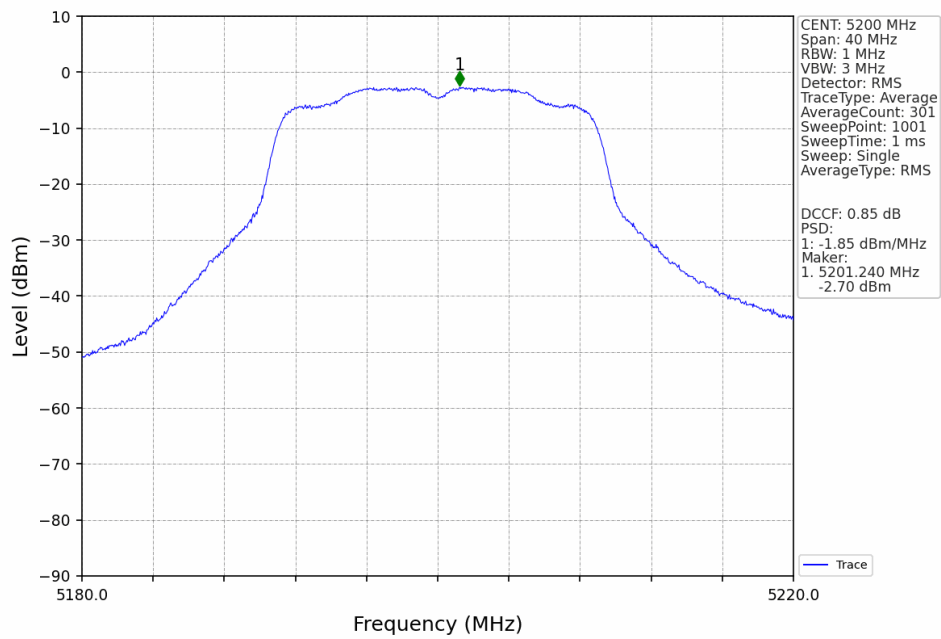
802.11a_HCH_5240MHz_Ant1_NTNV



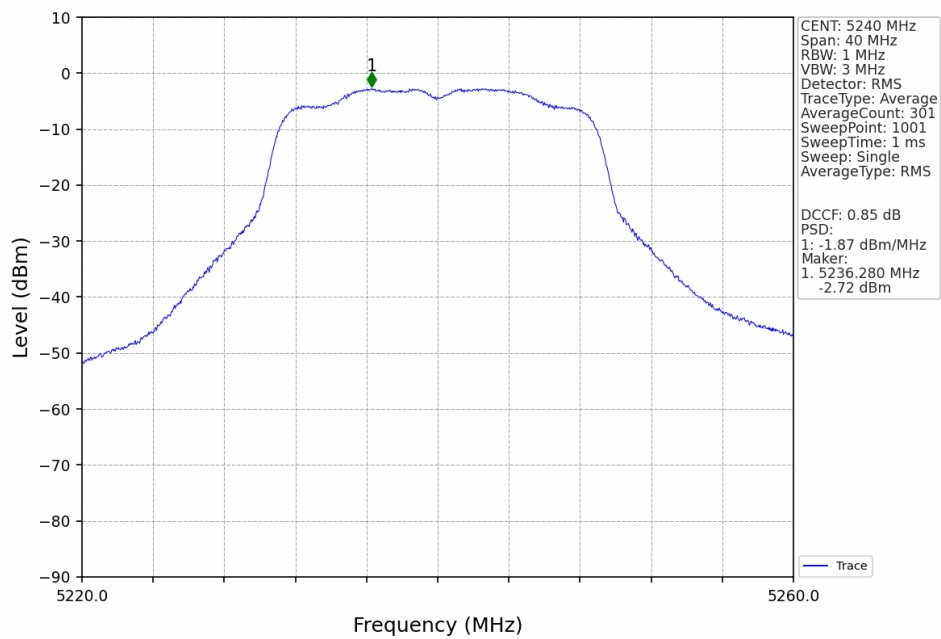
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



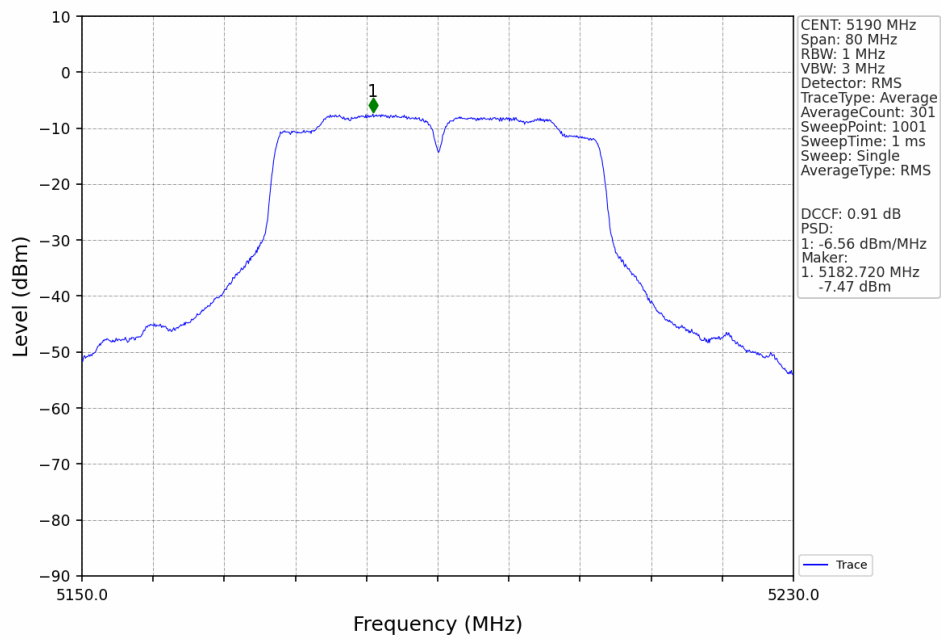
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



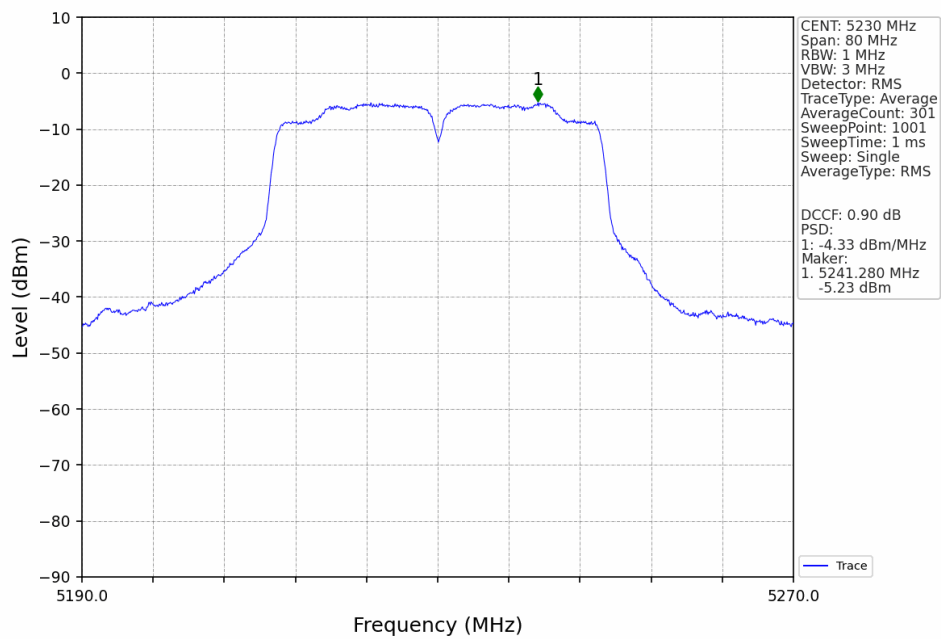
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



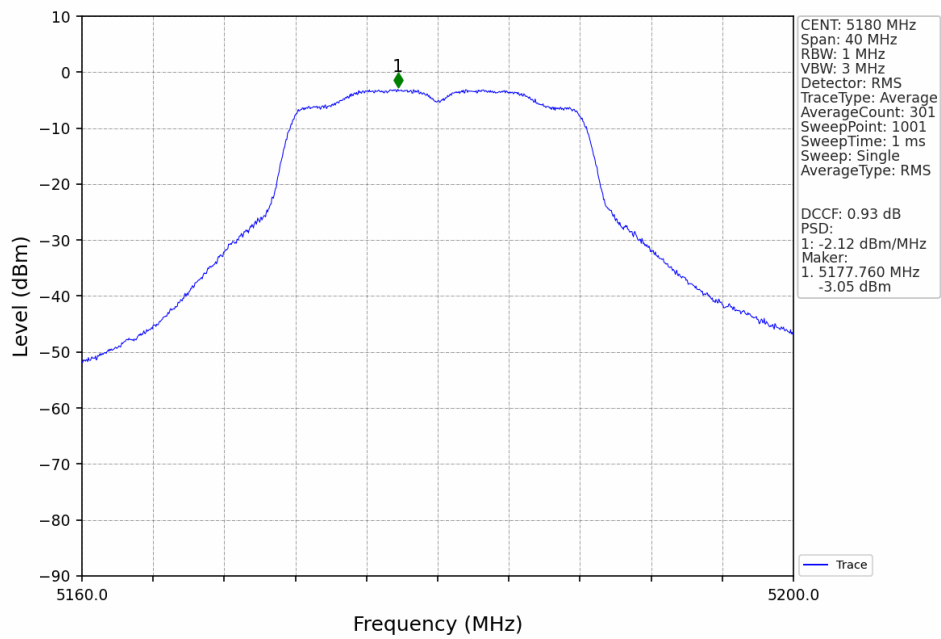
802.11n(HT40) LCH 5190MHz_Ant1_NTNV



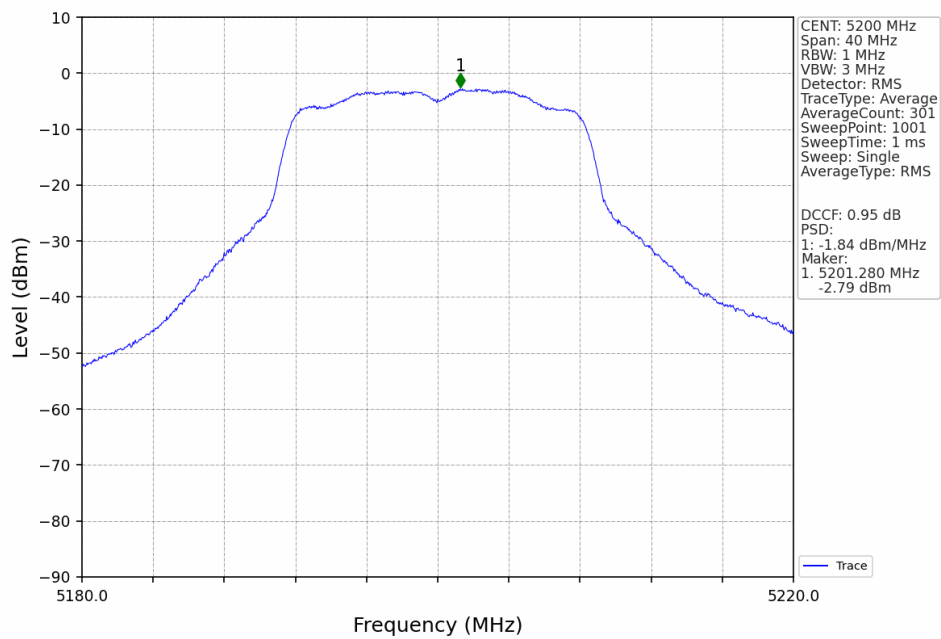
802.11n(HT40) HCH 5230MHz_Ant1_NTNV



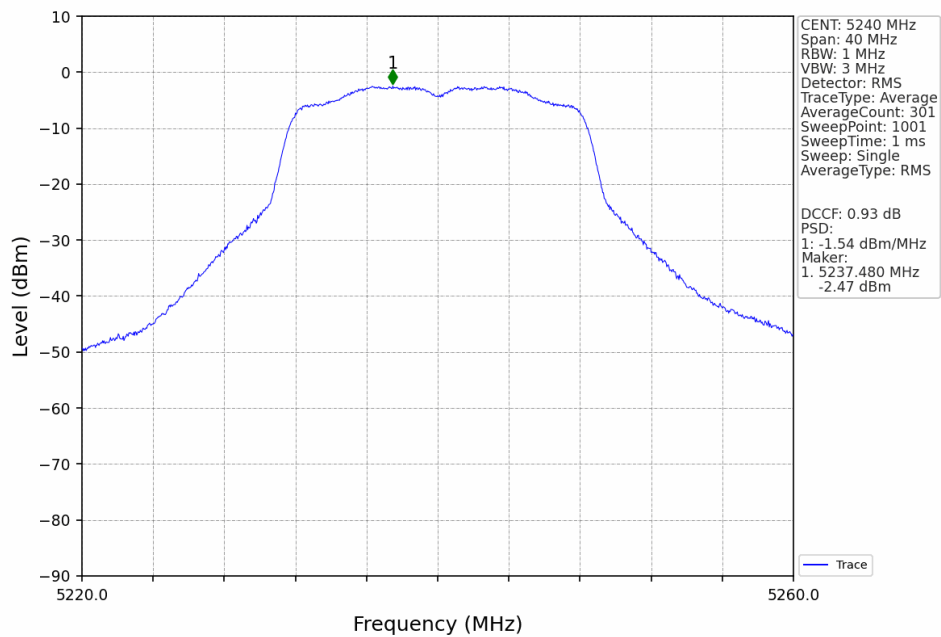
802.11ac(VHT20) LCH_5180MHz_Ant1_NTNV



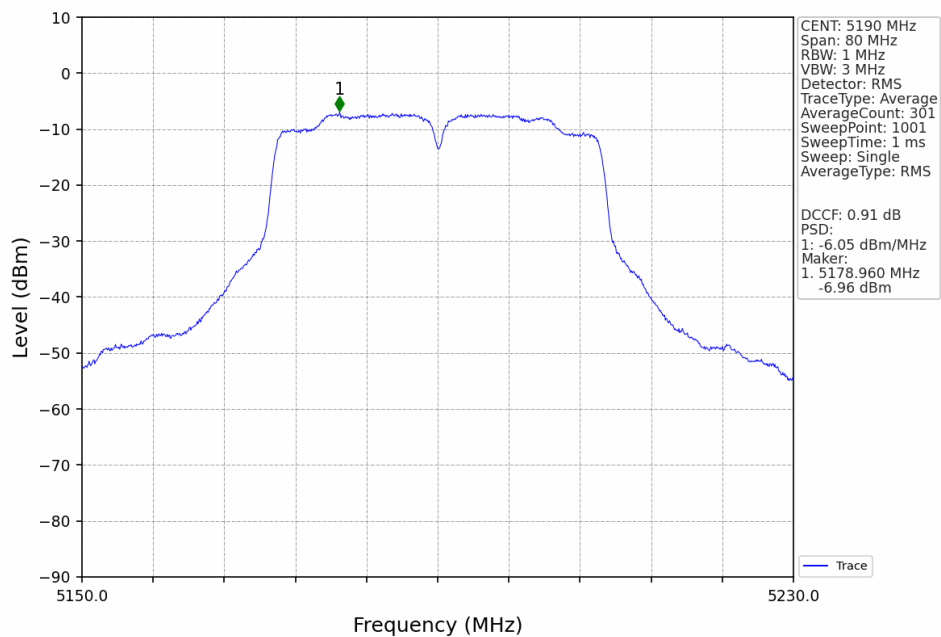
802.11ac(VHT20) MCH_5200MHz_Ant1_NTNV



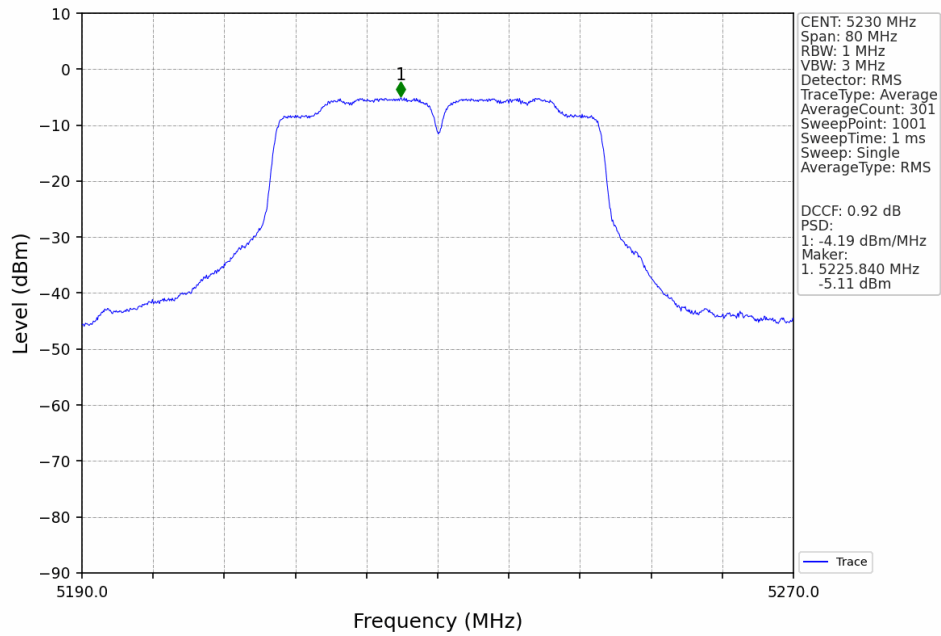
802.11ac(VHT20) HCH 5240MHz Ant1_NTNV



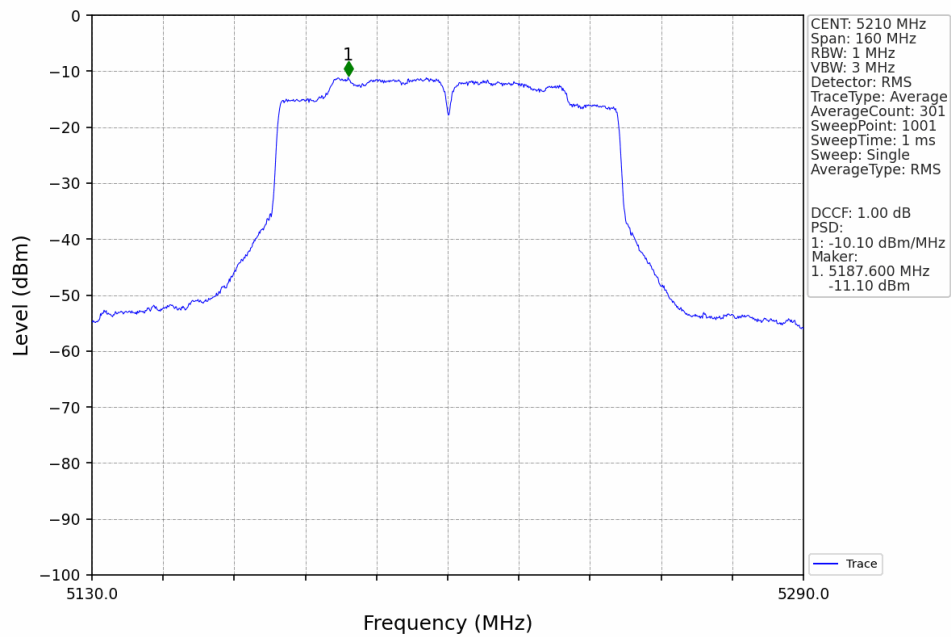
802.11ac(VHT40) LCH 5190MHz Ant1_NTNV



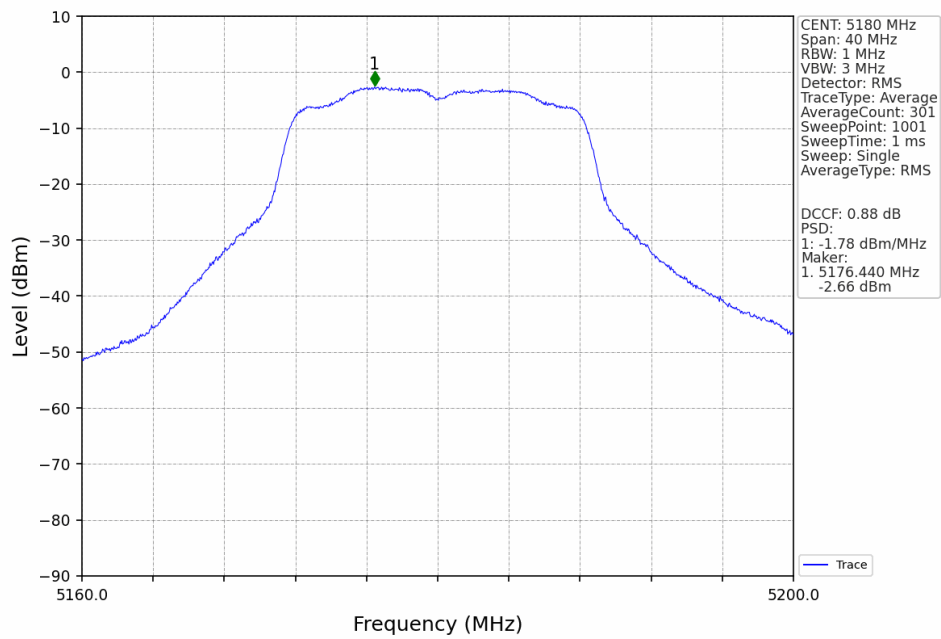
802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



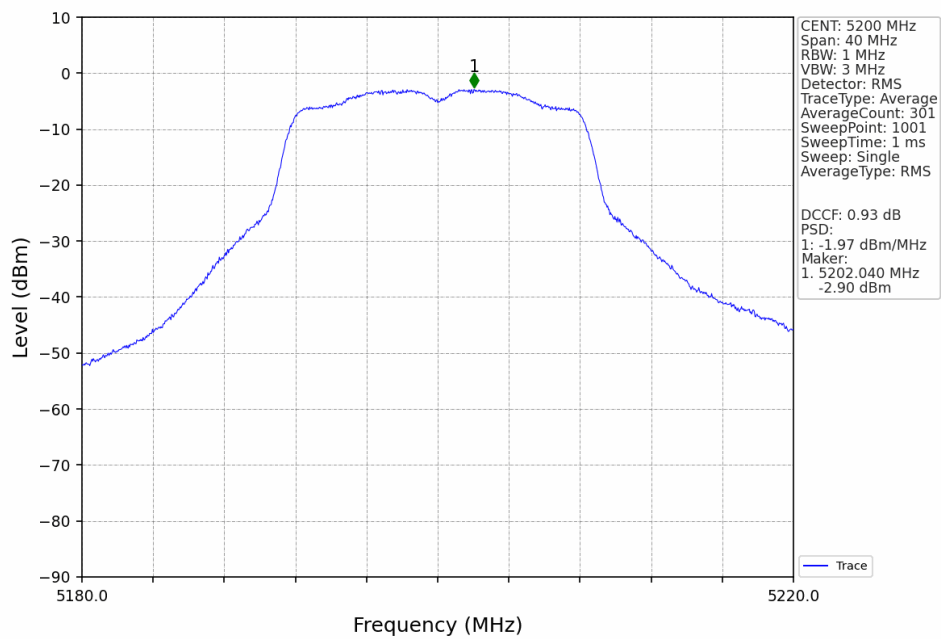
802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



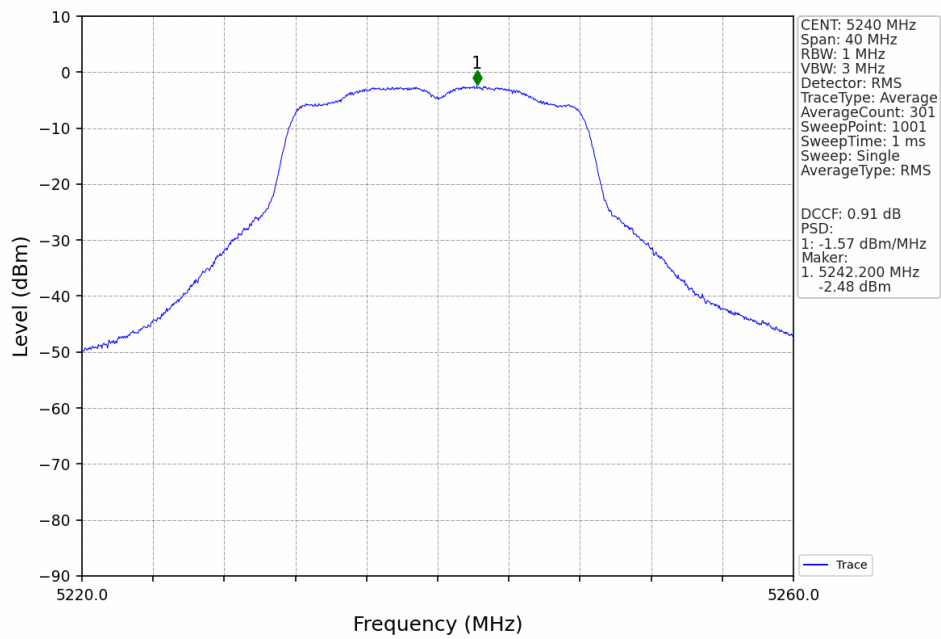
802.11ax(HEW20)_LCH_5180MHz_SU_ / Ant1_NTNV



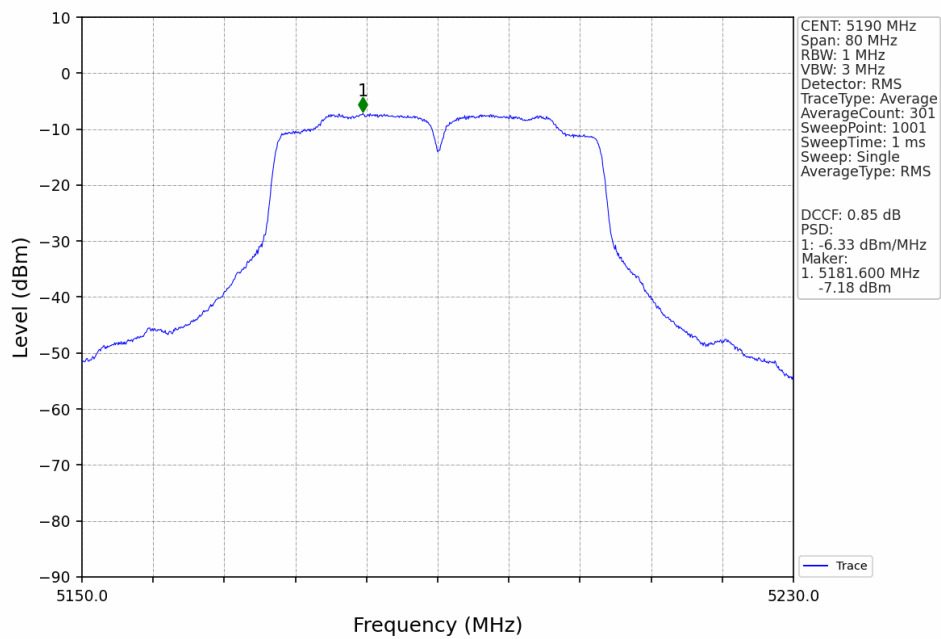
802.11ax(HEW20)_MCH_5200MHz_SU_ / Ant1_NTNV



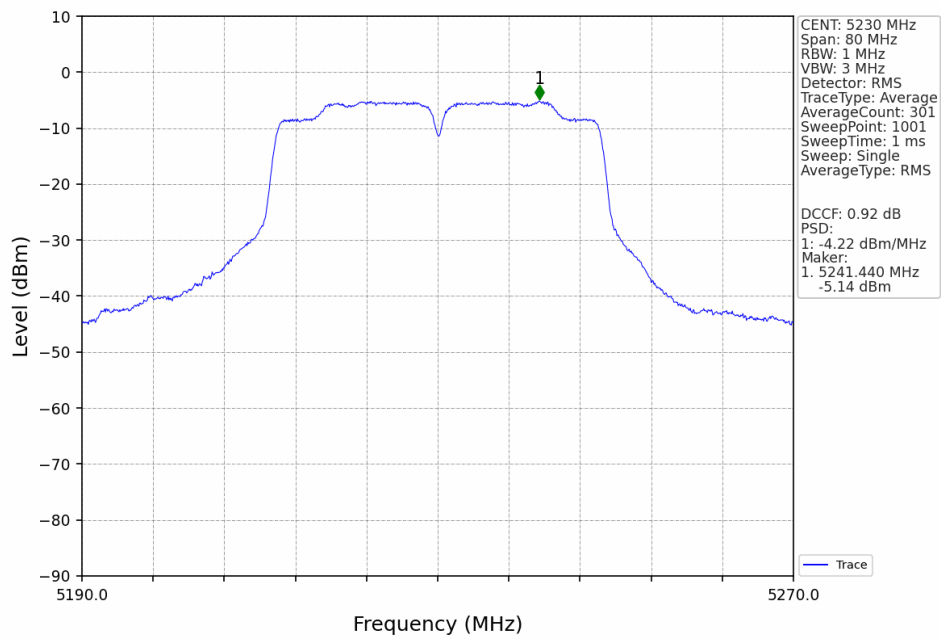
802.11ax(HEW20)_HCH_5240MHz_SU / Ant1_NTNV



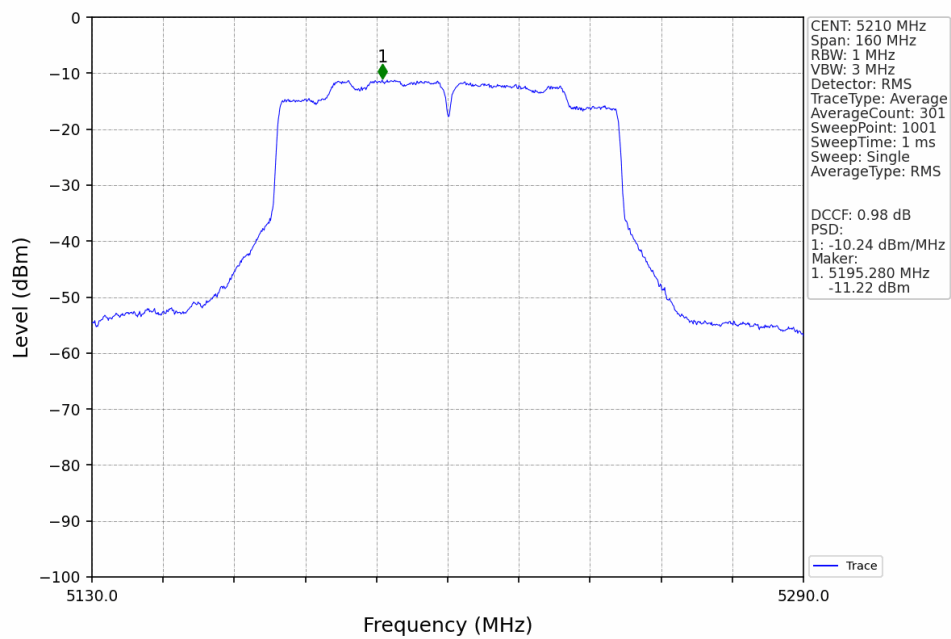
802.11ax(HEW40)_LCH_5190MHz_SU / Ant1_NTNV



802.11ax(HEW40)_HCH_5230MHz_SU / Ant1_NTNV



802.11ax(HEW80)_MCH_5210MHz_SU / Ant1_NTNV



5. Unwanted Emissions In Restricted Frequency Bands

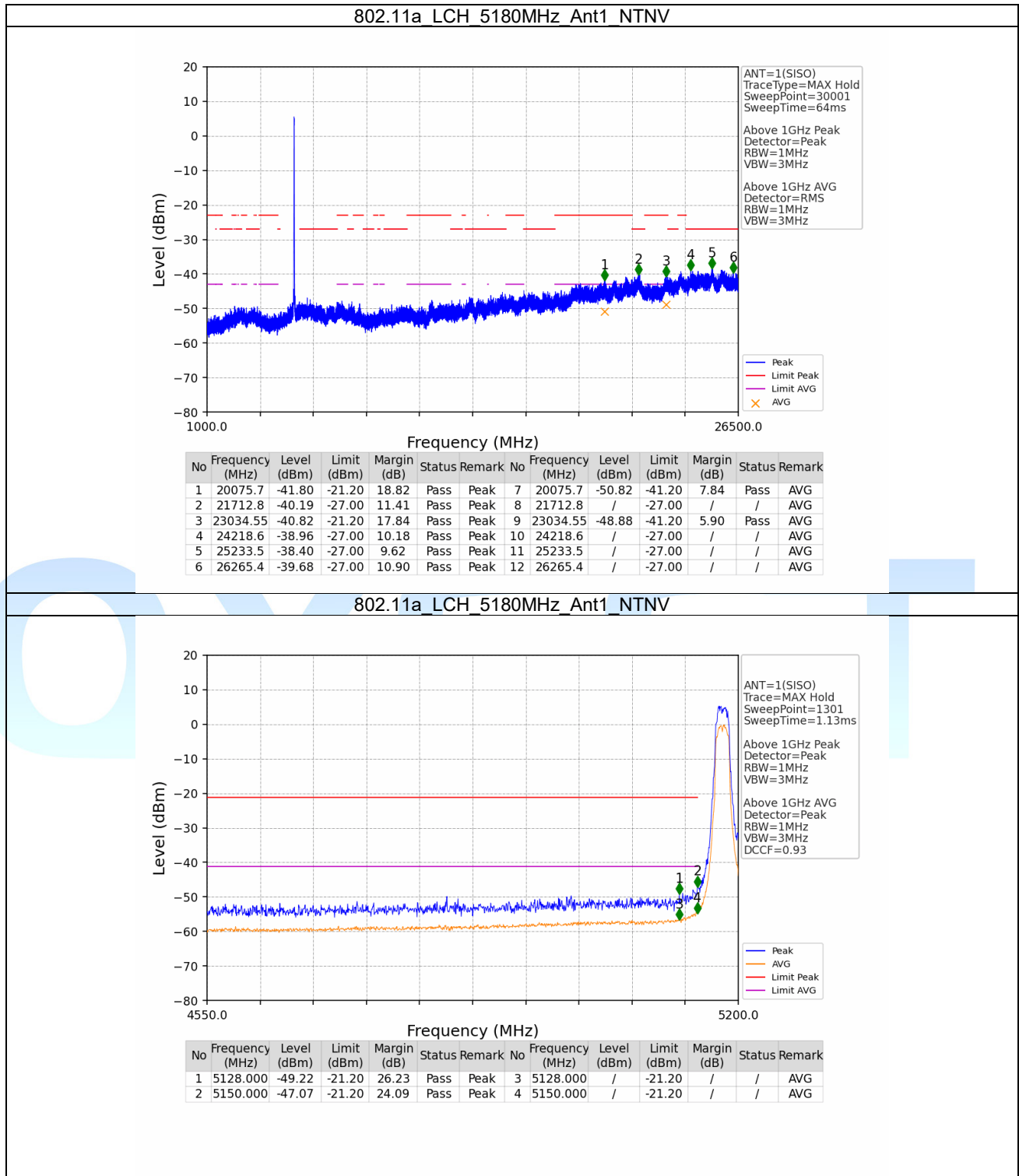
5.1 Test Result

5.1.1 RSE

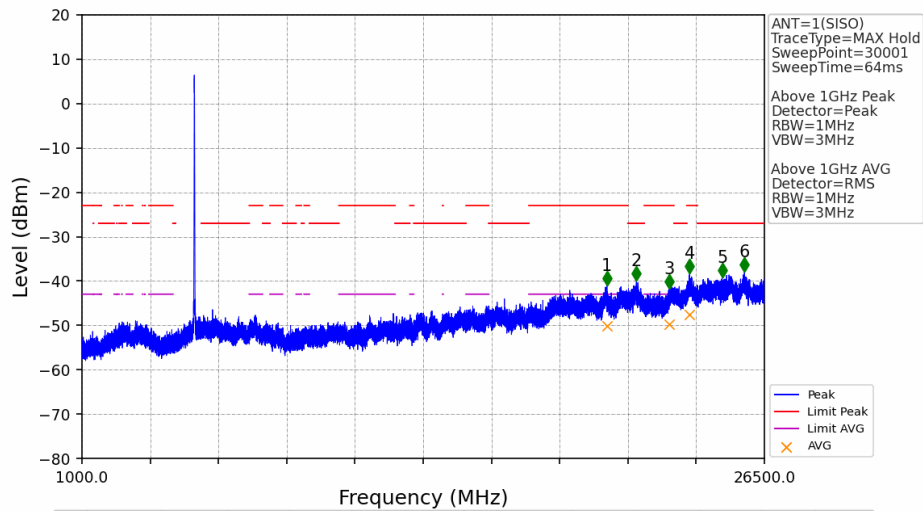
Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	Level of Unwanted Emissions (dBm)		Verdict
						Result	Limit	
802.11a	SISO	5180	/	/	1	Refer To Test Graph		Pass
		5200	/	/	1	Refer To Test Graph		Pass
		5240	/	/	1	Refer To Test Graph		Pass
802.11n (HT20)	SISO	5180	/	/	1	Refer To Test Graph		Pass
		5200	/	/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

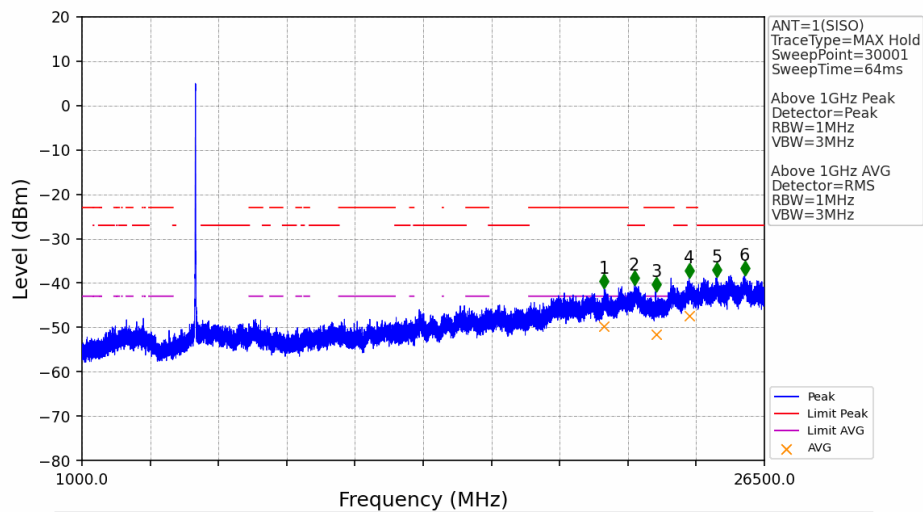


802.11a_MCH_5200MHz_Ant1_NTNV



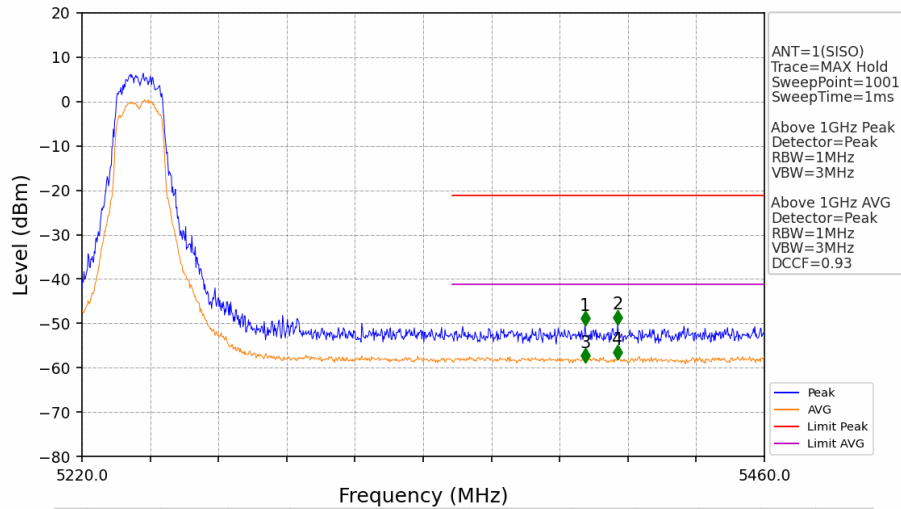
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	20616.3	-41.01	-21.20	18.03	Pass	Peak	7	20616.3	-50.15	-41.20	7.17	Pass	AVG
2	21716.2	-39.94	-27.00	11.16	Pass	Peak	8	21716.2	/	-27.00	/	/	AVG
3	22928.3	-41.68	-21.20	18.70	Pass	Peak	9	22928.3	-49.82	-41.20	6.84	Pass	AVG
4	23703.5	-38.24	-21.20	15.26	Pass	Peak	10	23703.5	-47.53	-41.20	4.55	Pass	AVG
5	24918.15	-39.08	-27.00	10.30	Pass	Peak	11	24918.15	/	-27.00	/	/	AVG
6	25752.85	-37.90	-27.00	9.12	Pass	Peak	12	25752.85	/	-27.00	/	/	AVG

802.11a_HCH_5240MHz_Ant1_NTNV



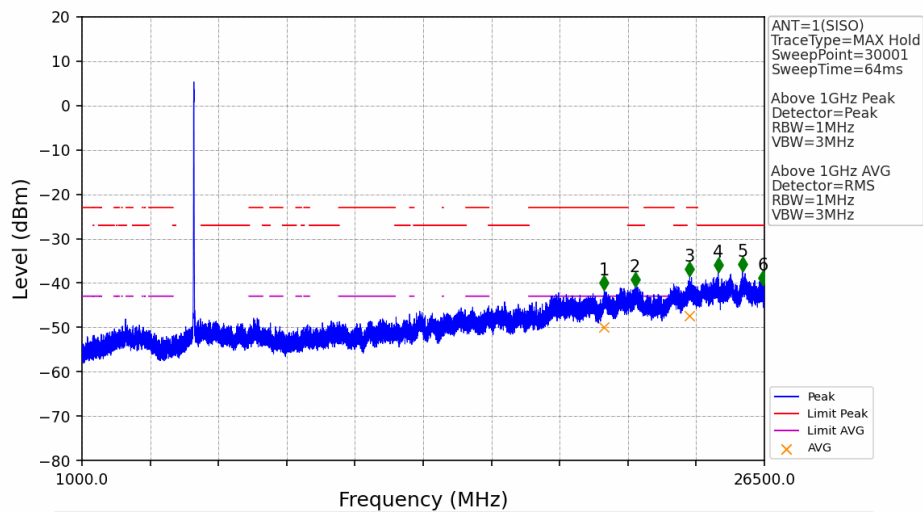
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	20513.45	-41.13	-21.20	18.15	Pass	Peak	7	20513.45	-49.73	-41.20	6.75	Pass	AVG
2	21633.75	-40.38	-27.00	11.60	Pass	Peak	8	21633.75	/	-27.00	/	/	AVG
3	22447.2	-41.80	-21.20	18.82	Pass	Peak	9	22447.2	-51.52	-41.20	8.54	Pass	AVG
4	23683.1	-38.74	-21.20	15.76	Pass	Peak	10	23683.1	-47.44	-41.20	4.46	Pass	AVG
5	24736.25	-38.66	-27.00	9.88	Pass	Peak	11	24736.25	/	-27.00	/	/	AVG
6	25763.9	-38.20	-27.00	9.42	Pass	Peak	12	25763.9	/	-27.00	/	/	AVG

802.11a_HCH_5240MHz_Ant1_NTNV



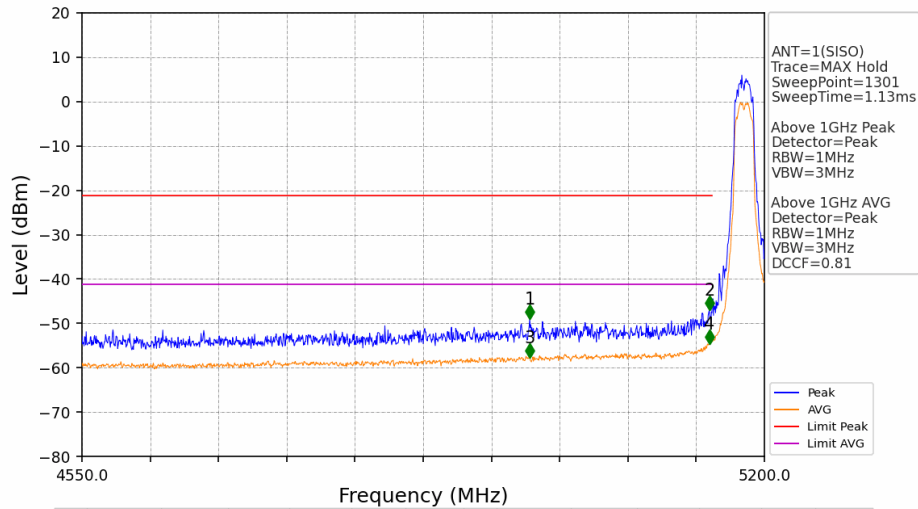
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5396.880	-50.41	-21.20	27.43	Pass	Peak	3	5396.880	/	-21.20	/	/	AVG
2	5408.400	-50.16	-21.20	27.18	Pass	Peak	4	5408.400	/	-21.20	/	/	AVG

802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



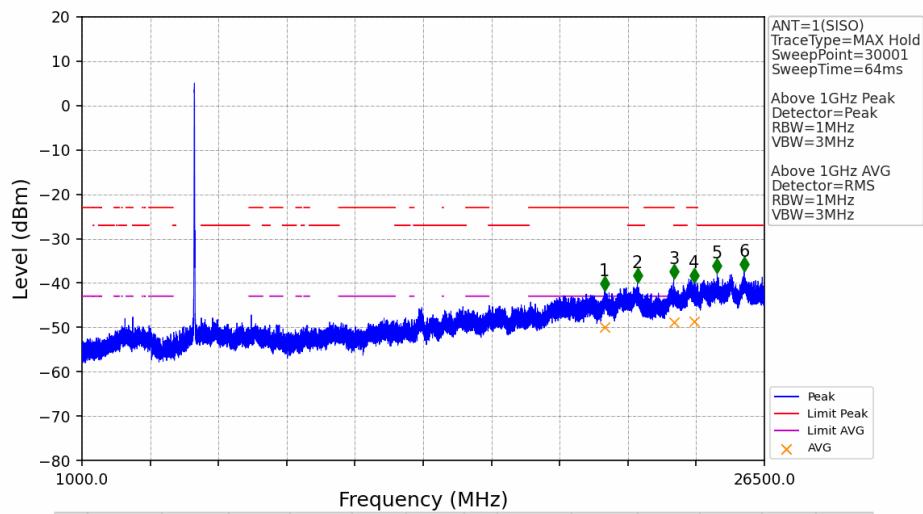
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	20515.15	-41.50	-21.20	18.52	Pass	Peak	7	20515.15	-49.87	-41.20	6.89	Pass	AVG
2	21665.2	-40.84	-27.00	12.06	Pass	Peak	8	21665.2	/	-27.00	/	/	AVG
3	23709.45	-38.47	-21.20	15.49	Pass	Peak	9	23709.45	-47.34	-41.20	4.36	Pass	AVG
4	24772.8	-37.48	-27.00	8.70	Pass	Peak	10	24772.8	/	-27.00	/	/	AVG
5	25681.45	-37.31	-27.00	8.53	Pass	Peak	11	25681.45	/	-27.00	/	/	AVG
6	26448.15	-40.41	-27.00	11.63	Pass	Peak	12	26448.15	/	-27.00	/	/	AVG

802.11n(HT20) LCH_5180MHz_Ant1_NTNV



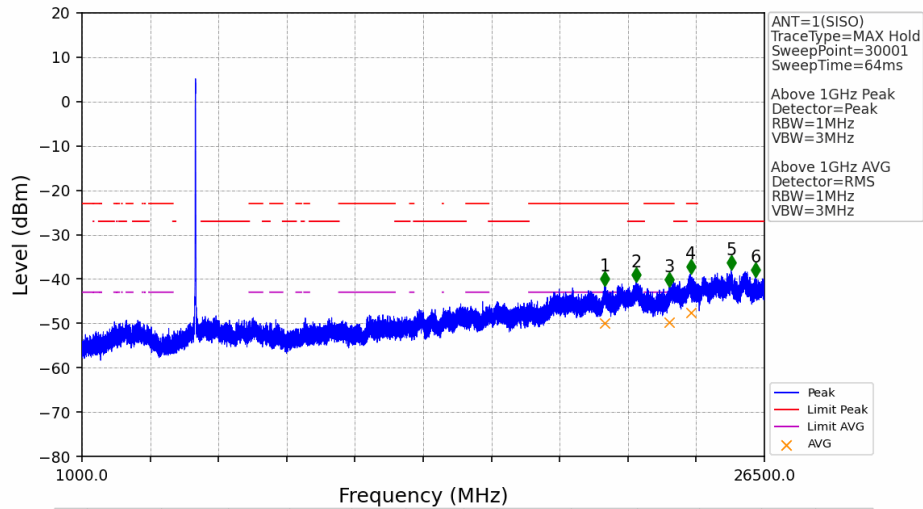
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	4976.500	-48.91	-21.20	25.93	Pass	Peak	3	4976.500	/	-21.20	/	/	AVG
2	5147.500	-47.00	-21.20	24.02	Pass	Peak	4	5147.500	/	-21.20	/	/	AVG

802.11n(HT20) MCH_5200MHz_Ant1_NTNV



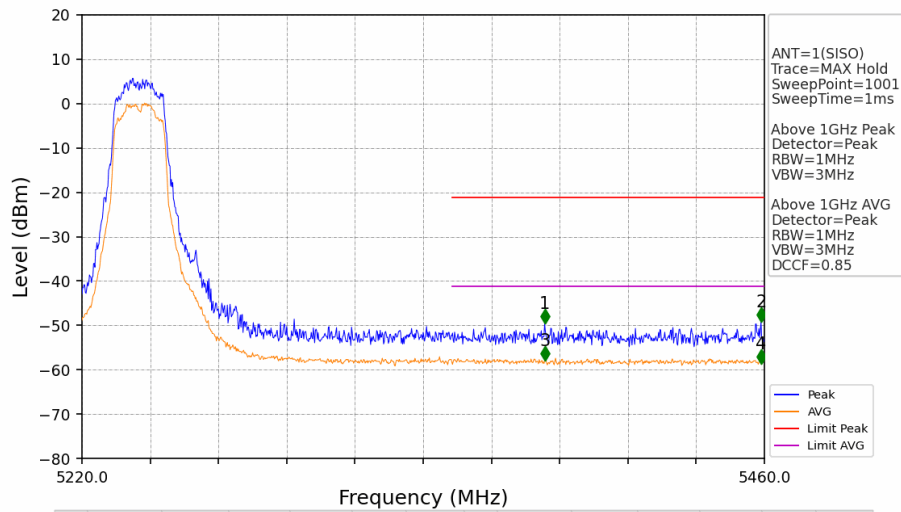
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	20521.1	-41.66	-21.20	18.68	Pass	Peak	7	20521.1	-49.86	-41.20	6.88	Pass	AVG
2	21754.45	-39.82	-27.00	11.04	Pass	Peak	8	21754.45	/	-27.00	/	/	AVG
3	23111.05	-38.96	-21.20	15.98	Pass	Peak	9	23111.05	-48.90	-41.20	5.92	Pass	AVG
4	23877.75	-39.95	-21.20	16.97	Pass	Peak	10	23877.75	-48.59	-41.20	5.61	Pass	AVG
5	24736.25	-37.72	-27.00	8.94	Pass	Peak	11	24736.25	/	-27.00	/	/	AVG
6	25742.65	-37.38	-27.00	8.60	Pass	Peak	12	25742.65	/	-27.00	/	/	AVG

802.11n(HT20) HCH 5240MHz_Ant1_NTNV



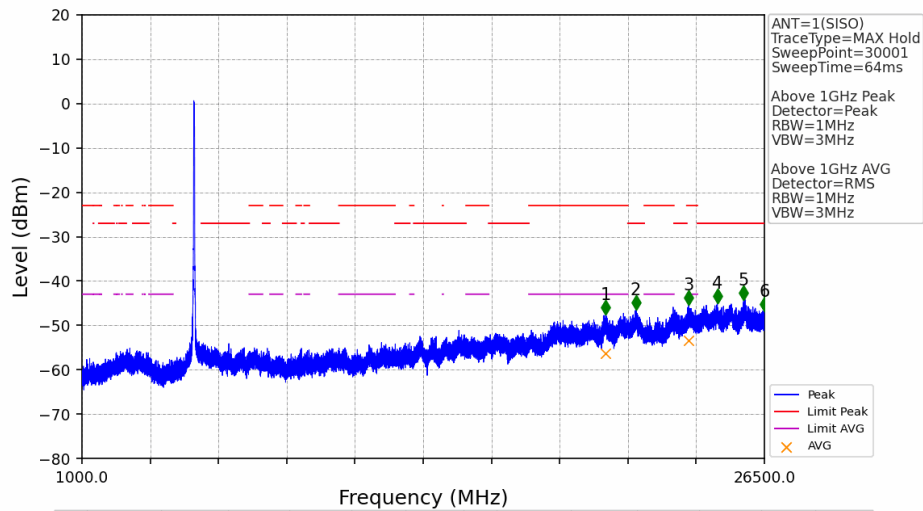
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	20529.6	-41.45	-21.20	18.47	Pass	Peak	7	20529.6	-49.92	-41.20	6.94	Pass	AVG
2	21702.6	-40.60	-27.00	11.82	Pass	Peak	8	21702.6	/	-27.00	/	/	AVG
3	22936.8	-41.63	-21.20	18.65	Pass	Peak	9	22936.8	-49.74	-41.20	6.76	Pass	AVG
4	23742.6	-38.81	-21.20	15.83	Pass	Peak	10	23742.6	-47.66	-41.20	4.68	Pass	AVG
5	25255.6	-37.92	-27.00	9.14	Pass	Peak	11	25255.6	/	-27.00	/	/	AVG
6	26161.7	-39.52	-27.00	10.74	Pass	Peak	12	26161.7	/	-27.00	/	/	AVG

802.11n(HT20) HCH 5240MHz_Ant1_NTNV



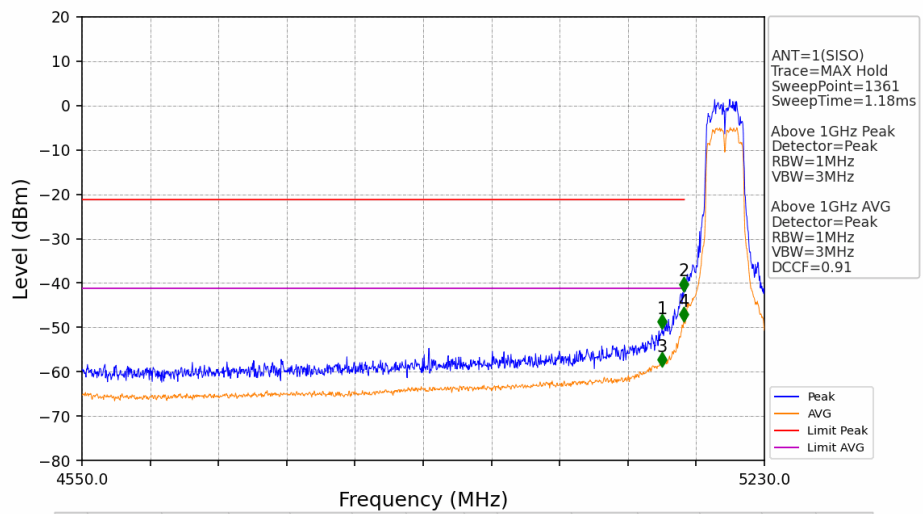
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5382.720	-49.55	-21.20	26.57	Pass	Peak	3	5382.720	/	-21.20	/	/	AVG
2	5458.800	-49.23	-21.20	26.25	Pass	Peak	4	5458.800	/	-21.20	/	/	AVG

802.11n(HT40) LCH_5190MHz_Ant1_NTNV



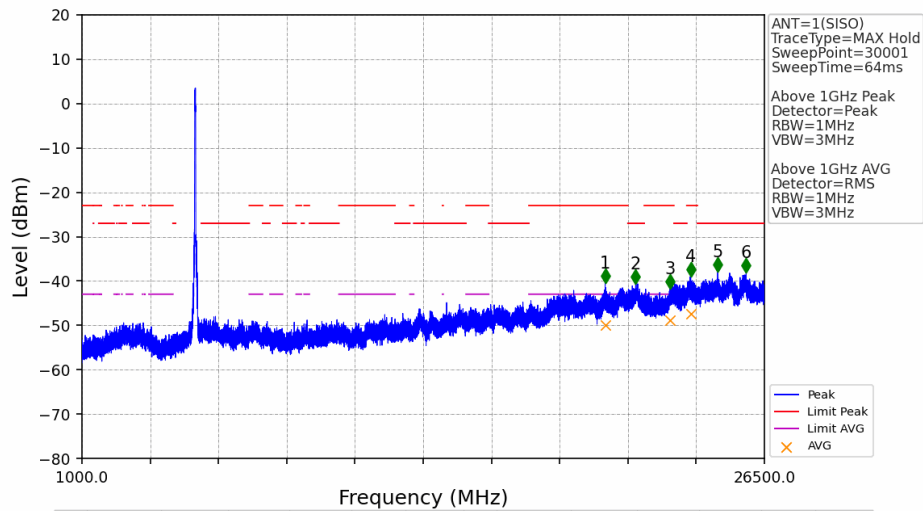
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	20570.4	-47.56	-21.20	24.58	Pass	Peak	7	20570.4	-56.40	-41.20	13.42	Pass	AVG
2	21693.25	-46.44	-27.00	17.66	Pass	Peak	8	21693.25	/	-27.00	/	/	AVG
3	23669.5	-45.37	-21.20	22.39	Pass	Peak	9	23669.5	-53.47	-41.20	10.49	Pass	AVG
4	24739.65	-44.99	-27.00	16.21	Pass	Peak	10	24739.65	/	-27.00	/	/	AVG
5	25724.8	-44.16	-27.00	15.38	Pass	Peak	11	25724.8	/	-27.00	/	/	AVG
6	26494.9	-46.81	-27.00	18.03	Pass	Peak	12	26494.9	/	-27.00	/	/	AVG

802.11n(HT40) LCH_5190MHz_Ant1_NTNV



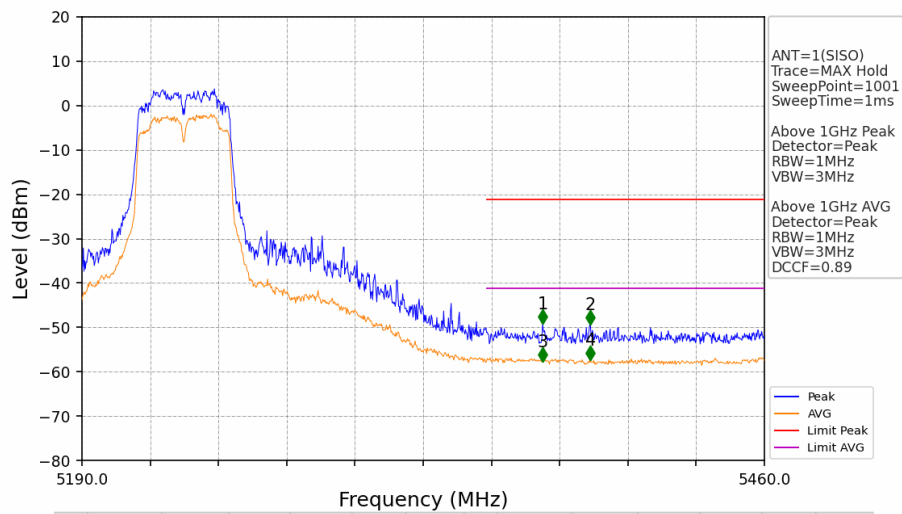
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5128.000	-50.27	-21.20	27.30	Pass	Peak	3	5128.000	/	-21.20	/	/	AVG
2	5150.000	-41.78	-21.20	18.80	Pass	Peak	4	5150.000	/	-21.20	/	/	AVG

802.11n(HT40) HCH 5230MHz_Ant1_NTNV



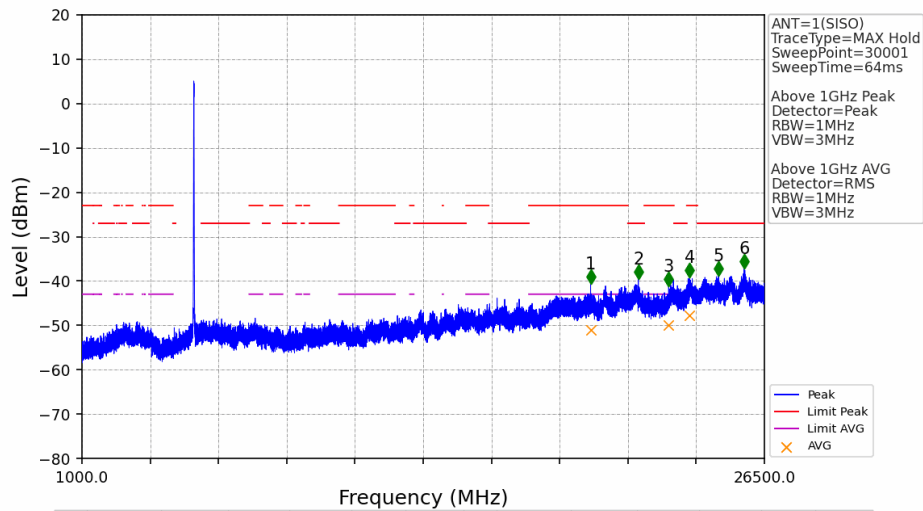
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	20549.15	-40.35	-21.20	17.38	Pass	Peak	7	20549.15	-50.00	-41.20	7.02	Pass	AVG
2	21689.85	-40.56	-27.00	11.78	Pass	Peak	8	21689.85	/	-27.00	/	/	AVG
3	22969.1	-41.77	-21.20	18.79	Pass	Peak	9	22969.1	-48.83	-41.20	5.85	Pass	AVG
4	23746.85	-38.97	-21.20	15.99	Pass	Peak	10	23746.85	-47.40	-41.20	4.42	Pass	AVG
5	24754.95	-37.79	-27.00	9.01	Pass	Peak	11	24754.95	/	-27.00	/	/	AVG
6	25818.3	-38.08	-27.00	9.30	Pass	Peak	12	25818.3	/	-27.00	/	/	AVG

802.11n(HT40) HCH 5230MHz_Ant1_NTNV



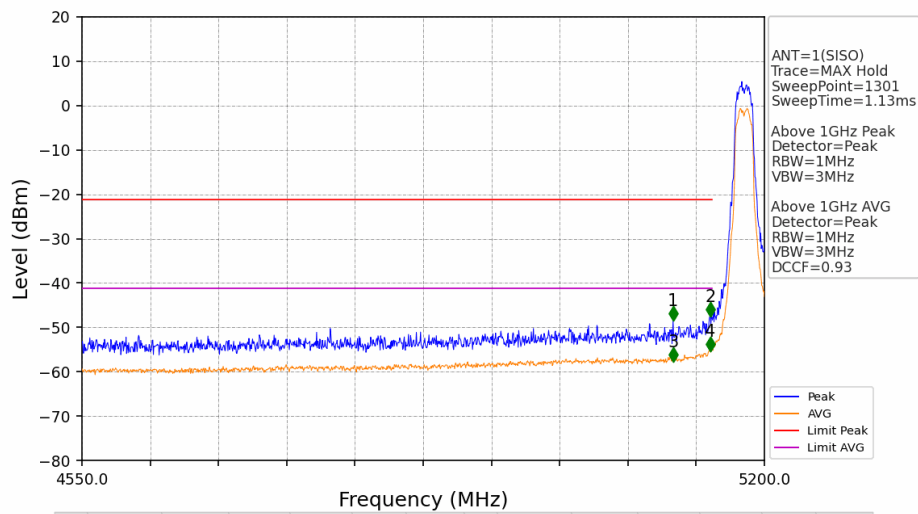
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5372.250	-49.19	-21.20	26.21	Pass	Peak	3	5372.250	/	-21.20	/	/	AVG
2	5391.150	-49.29	-21.20	26.31	Pass	Peak	4	5391.150	/	-21.20	/	/	AVG

802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



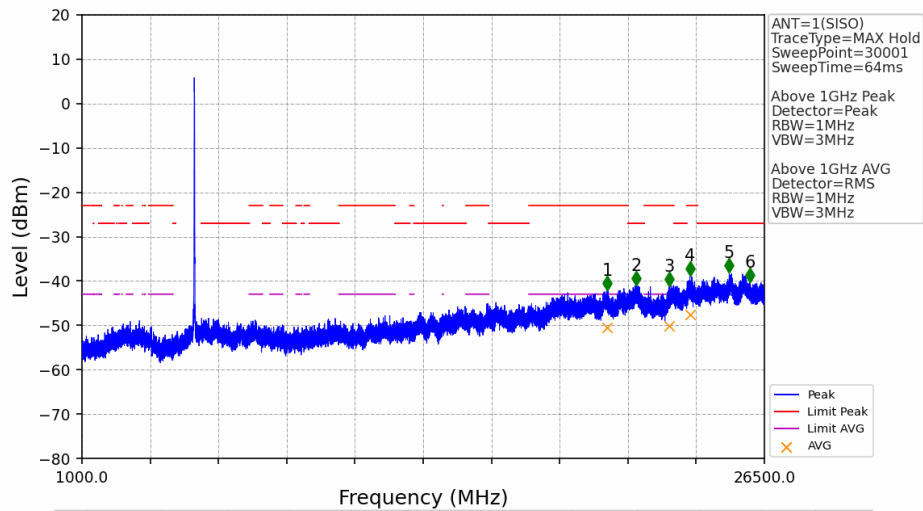
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	20005.15	-40.66	-21.20	17.68	Pass	Peak	7	20005.15	-50.97	-41.20	7.99	Pass	AVG
2	21787.6	-39.54	-27.00	10.76	Pass	Peak	8	21787.6	/	-27.00	/	/	AVG
3	22924.05	-41.08	-21.20	18.10	Pass	Peak	9	22924.05	-49.88	-41.20	6.90	Pass	AVG
4	23711.15	-39.09	-21.20	16.11	Pass	Peak	10	23711.15	-47.68	-41.20	4.70	Pass	AVG
5	24783.85	-38.78	-27.00	10.01	Pass	Peak	11	24783.85	/	-27.00	/	/	AVG
6	25737.55	-37.08	-27.00	8.30	Pass	Peak	12	25737.55	/	-27.00	/	/	AVG

802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



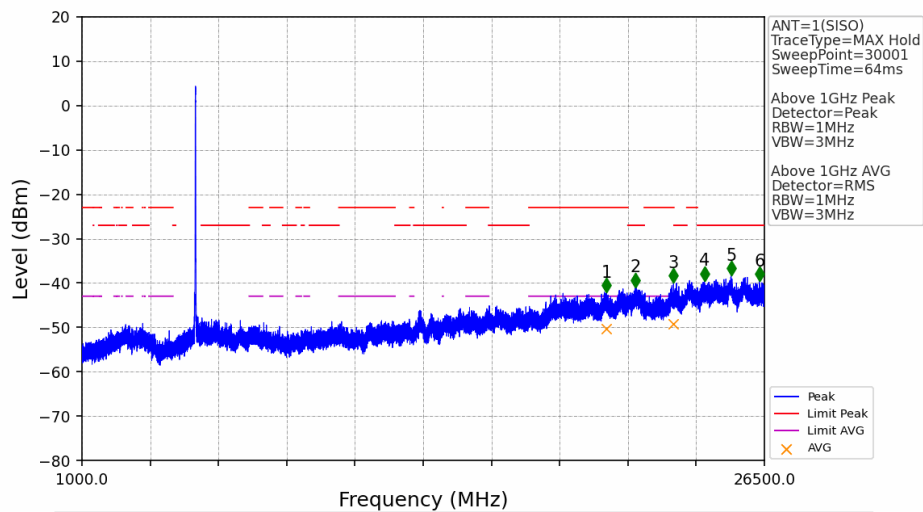
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5113.000	-48.47	-21.20	25.49	Pass	Peak	3	5113.000	/	-21.20	/	/	AVG
2	5148.500	-47.53	-21.20	24.55	Pass	Peak	4	5148.500	/	-21.20	/	/	AVG

802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



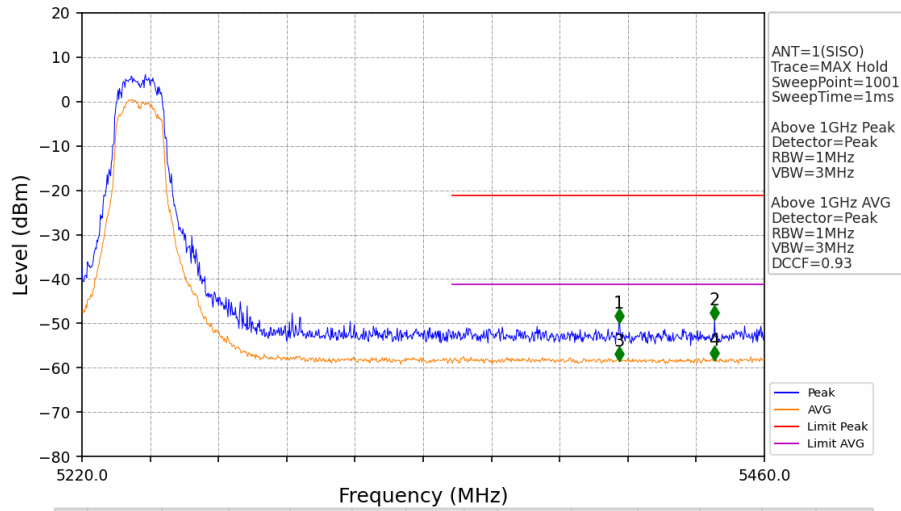
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	20623.1	-42.04	-21.20	19.06	Pass	Peak	7	20623.1	-50.53	-41.20	7.55	Pass	AVG
2	21711.1	-40.97	-27.00	12.19	Pass	Peak	8	21711.1	/	-27.00	/	/	AVG
3	22931.7	-41.13	-21.20	18.15	Pass	Peak	9	22931.7	-50.06	-41.20	7.08	Pass	AVG
4	23714.55	-38.86	-21.20	15.88	Pass	Peak	10	23714.55	-47.59	-41.20	4.61	Pass	AVG
5	25187.6	-38.11	-27.00	9.33	Pass	Peak	11	25187.6	/	-27.00	/	/	AVG
6	25959.4	-40.25	-27.00	11.47	Pass	Peak	12	25959.4	/	-27.00	/	/	AVG

802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV

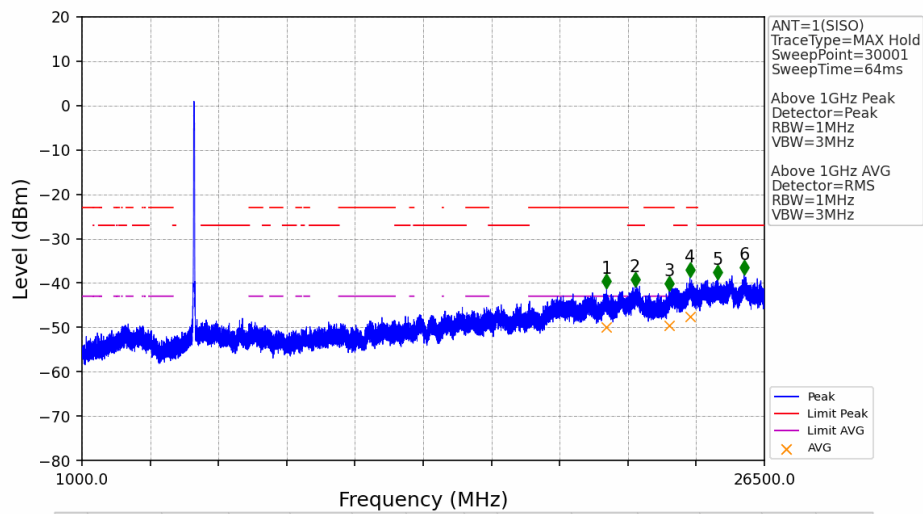


No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	20595.9	-42.08	-21.20	19.10	Pass	Peak	7	20595.9	-50.26	-41.20	7.28	Pass	AVG
2	21672.85	-40.88	-27.00	12.10	Pass	Peak	8	21672.85	/	-27.00	/	/	AVG
3	23103.4	-39.88	-21.20	16.89	Pass	Peak	9	23103.4	-49.20	-41.20	6.22	Pass	AVG
4	24256.85	-39.42	-27.00	10.64	Pass	Peak	10	24256.85	/	-27.00	/	/	AVG
5	25254.75	-38.20	-27.00	9.42	Pass	Peak	11	25254.75	/	-27.00	/	/	AVG
6	26311.3	-39.55	-27.00	10.77	Pass	Peak	12	26311.3	/	-27.00	/	/	AVG

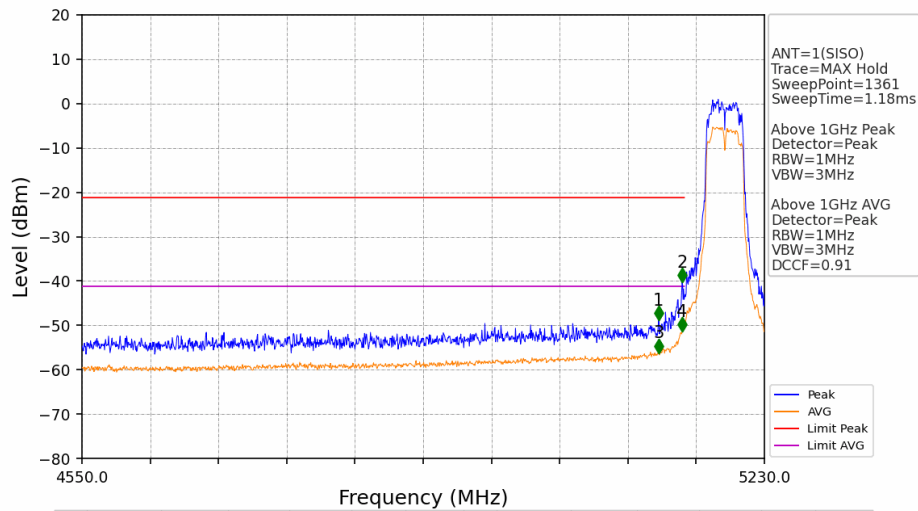
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV

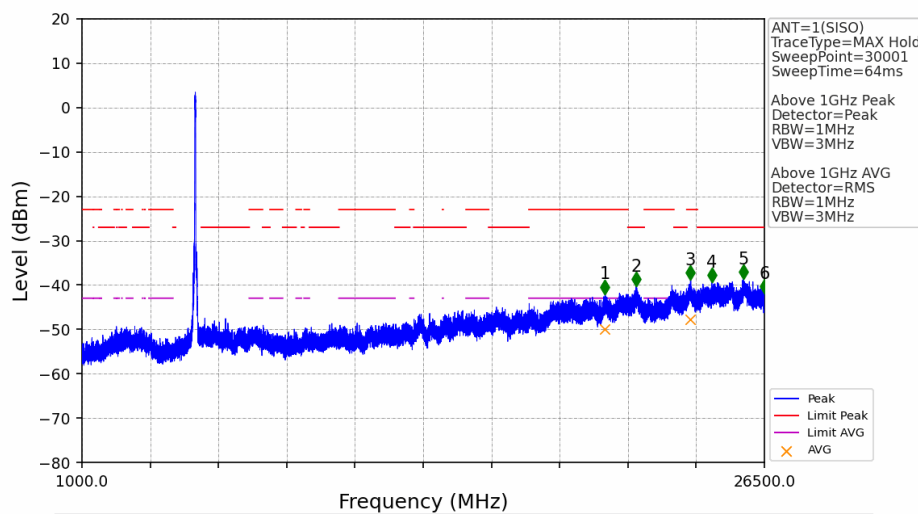


802.11ac(VHT40) LCH_5190MHz_Ant1_NTNV



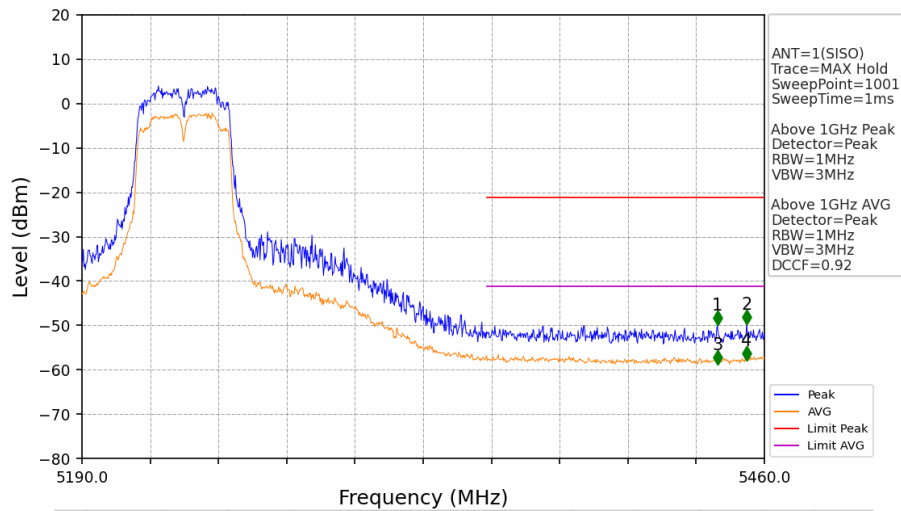
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5124.500	-48.87	-21.20	25.89	Pass	Peak	3	5124.500	/	-21.20	/	/	AVG
2	5148.000	-40.22	-21.20	17.24	Pass	Peak	4	5148.000	/	-21.20	/	/	AVG

802.11ac(VHT40) HCH_5230MHz_Ant1_NTNV

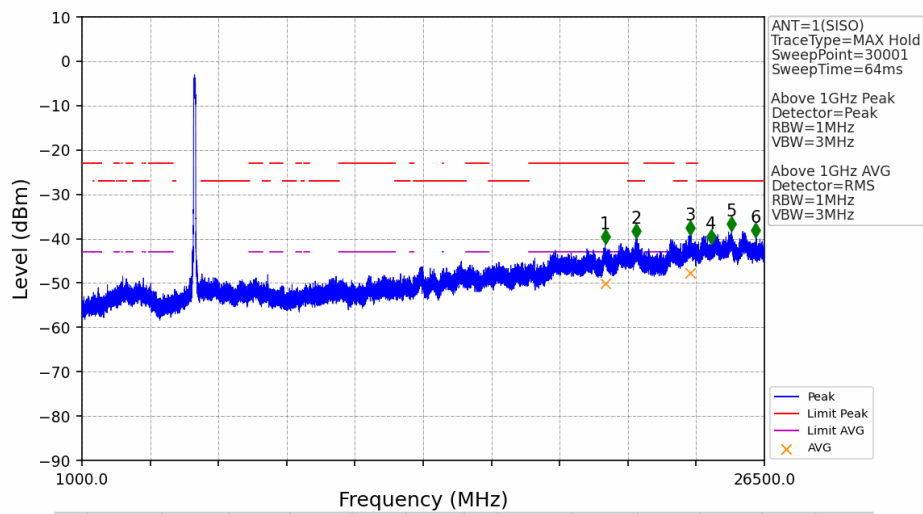


No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	20544.05	-41.97	-21.20	18.98	Pass	Peak	7	20544.05	-49.94	-41.20	6.96	Pass	AVG
2	21702.6	-40.32	-27.00	11.54	Pass	Peak	8	21702.6	/	-27.00	/	/	AVG
3	23738.35	-38.72	-21.20	15.74	Pass	Peak	9	23738.35	-47.80	-41.20	4.82	Pass	AVG
4	24535.65	-39.29	-27.00	10.51	Pass	Peak	10	24535.65	/	-27.00	/	/	AVG
5	25711.2	-38.64	-27.00	9.86	Pass	Peak	11	25711.2	/	-27.00	/	/	AVG
6	26497.45	-41.93	-27.00	13.15	Pass	Peak	12	26497.45	/	-27.00	/	/	AVG

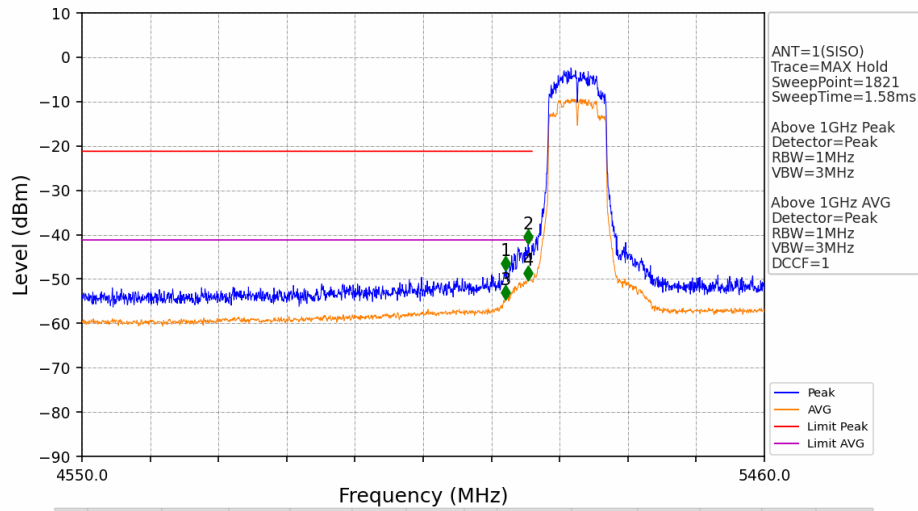
802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV

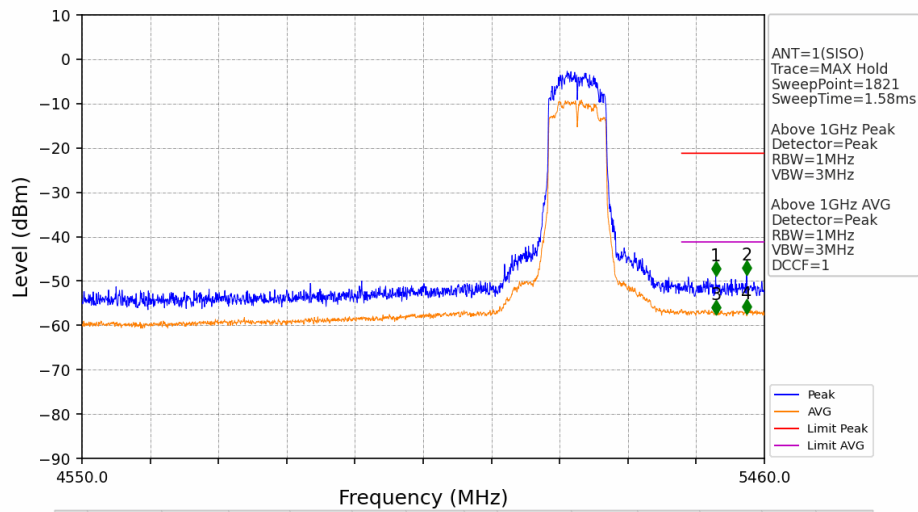


802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



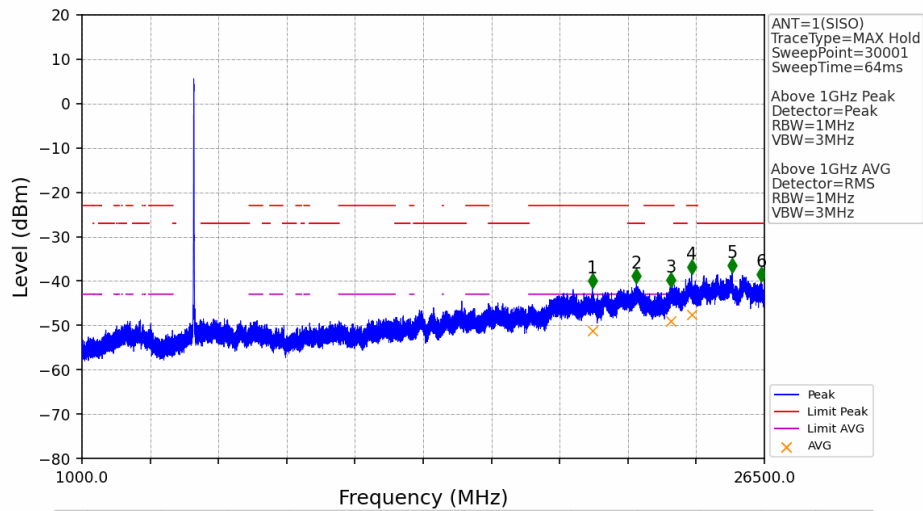
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5115.000	-47.97	-21.20	24.99	Pass	Peak	3	5115.000	/	-21.20	/	/	AVG
2	5145.000	-42.00	-21.20	19.02	Pass	Peak	4	5145.000	/	-21.20	/	/	AVG

802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



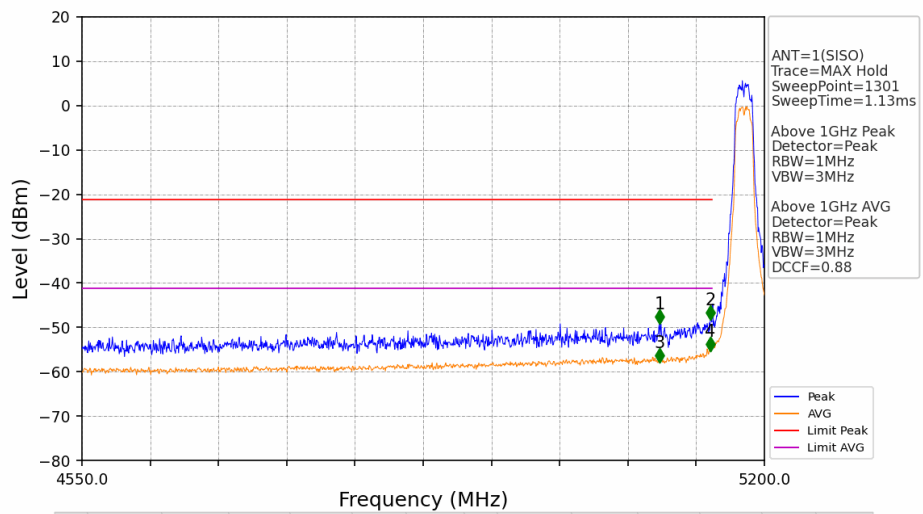
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5395.000	-48.85	-21.20	25.88	Pass	AVG	3	5395.000	/	-21.20	/	/	AVG
2	5436.000	-48.61	-21.20	25.63	Pass	AVG	4	5436.000	/	-21.20	/	/	AVG

802.11ax(HEW20)_LCH_5180MHz_SU_ / Ant1_NTNV



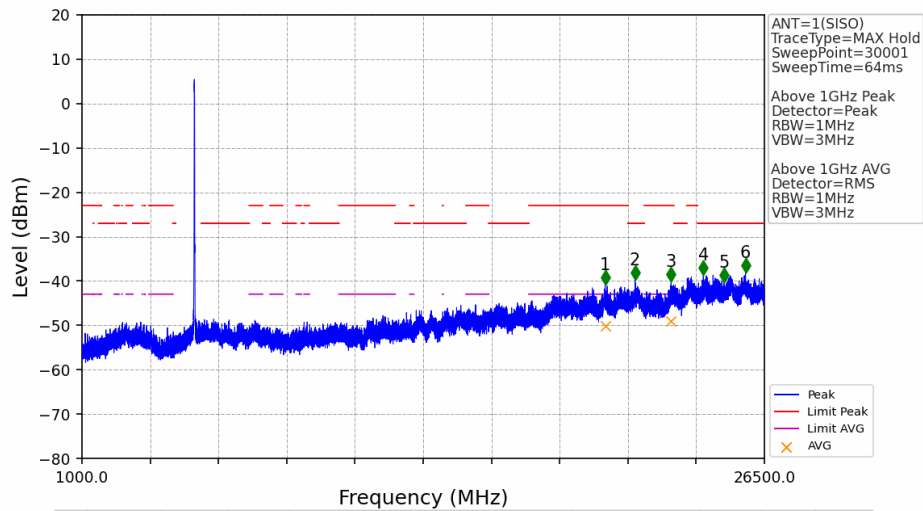
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark
1	20071.45	-41.49	-21.20	18.51	Pass Peak	7	20071.45	-51.27	-41.20	8.29	Pass AVG
2	21716.2	-40.43	-27.00	11.65	Pass Peak	8	21716.2	/	-27.00	/	/ AVG
3	22996.3	-41.36	-21.20	18.38	Pass Peak	9	22996.3	-49.07	-41.20	6.09	Pass AVG
4	23779.15	-38.44	-21.20	15.46	Pass Peak	10	23779.15	-47.59	-41.20	4.61	Pass AVG
5	25294.7	-38.09	-27.00	9.31	Pass Peak	11	25294.7	/	-27.00	/	/ AVG
6	26374.2	-40.06	-27.00	11.28	Pass Peak	12	26374.2	/	-27.00	/	/ AVG

802.11ax(HEW20)_LCH_5180MHz_SU_ / Ant1_NTNV



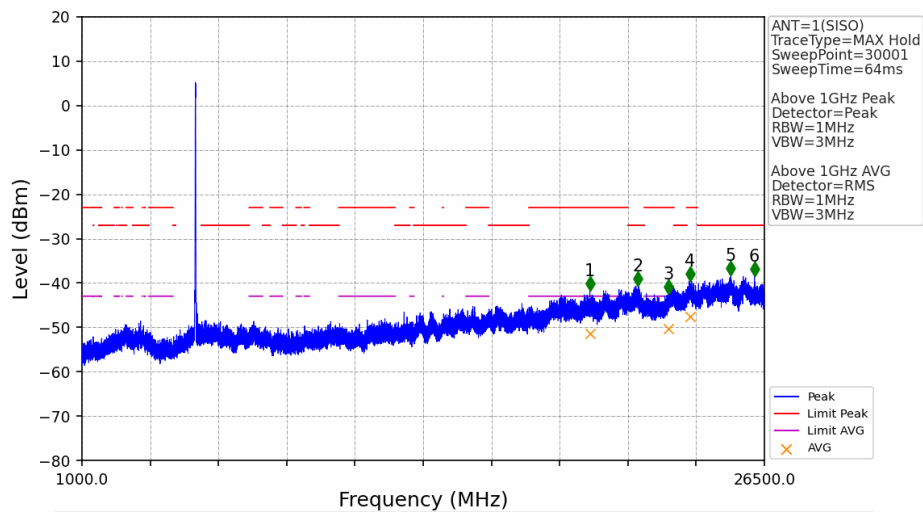
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark
1	5100.000	-49.11	-21.20	26.13	Pass Peak	3	5100.000	/	-21.20	/	/ AVG
2	5148.500	-48.18	-21.20	25.20	Pass Peak	4	5148.500	/	-21.20	/	/ AVG

802.11ax(HEW20)_MCH_5200MHz_SU / Ant1_NTNV

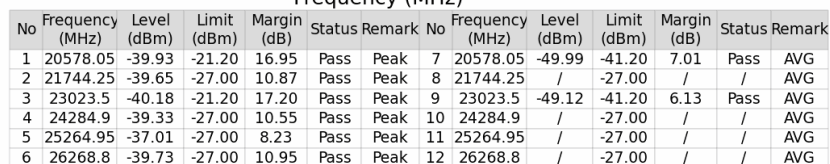
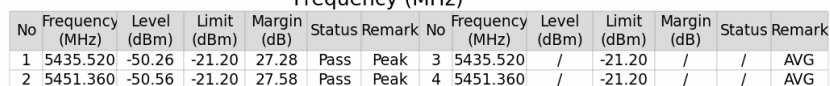


No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	20550	-40.86	-21.20	17.88	Pass	Peak	7	20550	-50.11	-41.20	7.13	Pass	AVG
2	21664.35	-39.76	-27.00	10.98	Pass	Peak	8	21664.35	/	-27.00	/	/	AVG
3	23014.15	-40.00	-21.20	17.02	Pass	Peak	9	23014.15	-49.07	-41.20	6.09	Pass	AVG
4	24223.7	-38.62	-27.00	9.84	Pass	Peak	10	24223.7	/	-27.00	/	/	AVG
5	24992.95	-40.19	-27.00	11.41	Pass	Peak	11	24992.95	/	-27.00	/	/	AVG
6	25794.5	-38.13	-27.00	9.35	Pass	Peak	12	25794.5	/	-27.00	/	/	AVG

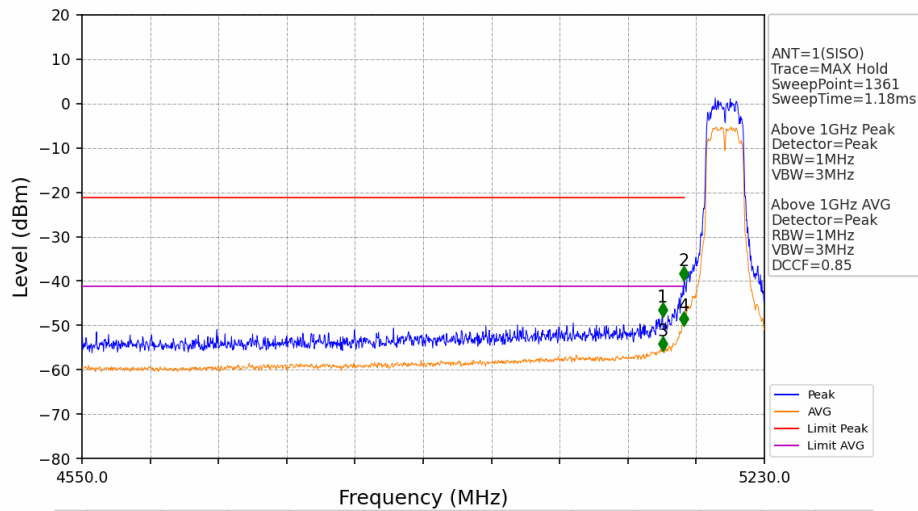
802.11ax(HEW20)_HCH_5240MHz_SU / Ant1_NTNV



No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	19977.95	-41.73	-21.20	18.75	Pass	Peak	7	19977.95	-51.34	-41.20	8.36	Pass	AVG
2	21782.5	-40.57	-27.00	11.79	Pass	Peak	8	21782.5	/	-27.00	/	/	AVG
3	22913	-42.41	-21.20	19.43	Pass	Peak	9	22913	-50.33	-41.20	7.35	Pass	AVG
4	23713.7	-39.50	-21.20	16.52	Pass	Peak	10	23713.7	-47.63	-41.20	4.65	Pass	AVG
5	25243.7	-38.22	-27.00	9.44	Pass	Peak	11	25243.7	/	-27.00	/	/	AVG
6	26127.7	-38.42	-27.00	9.64	Pass	Peak	12	26127.7	/	-27.00	/	/	AVG

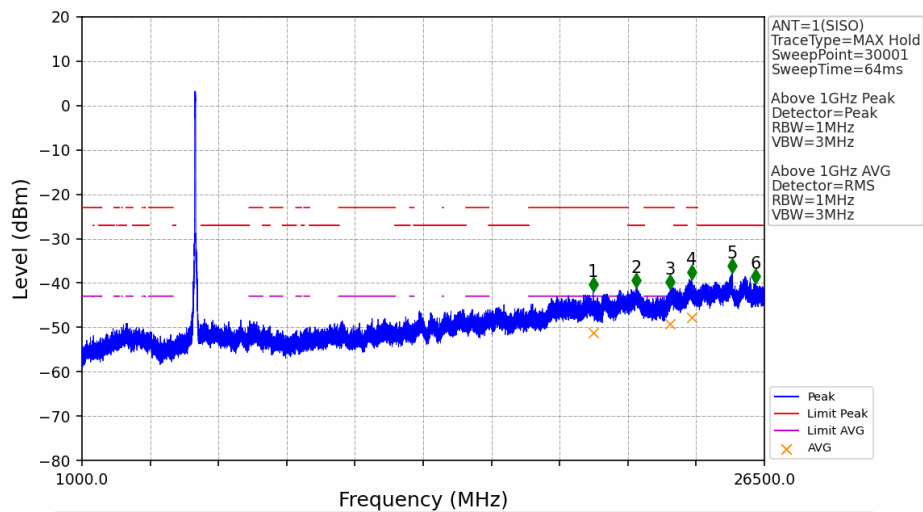


802.11ax(HEW40)_LCH_5190MHz_SU_ / Ant1_NTNV



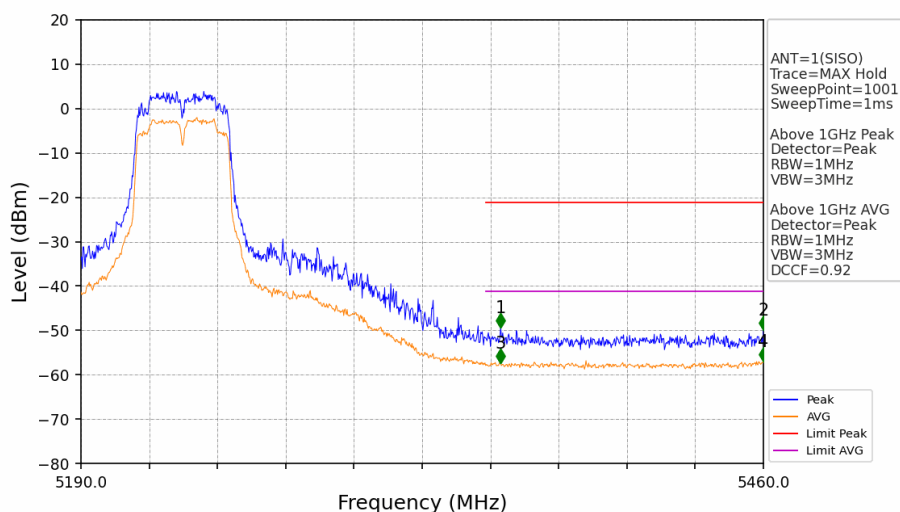
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark
1	5128.500	-47.99	-21.20	25.01	Pass Peak	3	5128.500	/	-21.20	/	/ AVG
2	5150.000	-39.83	-21.20	16.85	Pass Peak	4	5150.000	/	-21.20	/	/ AVG

802.11ax(HEW40)_HCH_5230MHz_SU_ / Ant1_NTNV



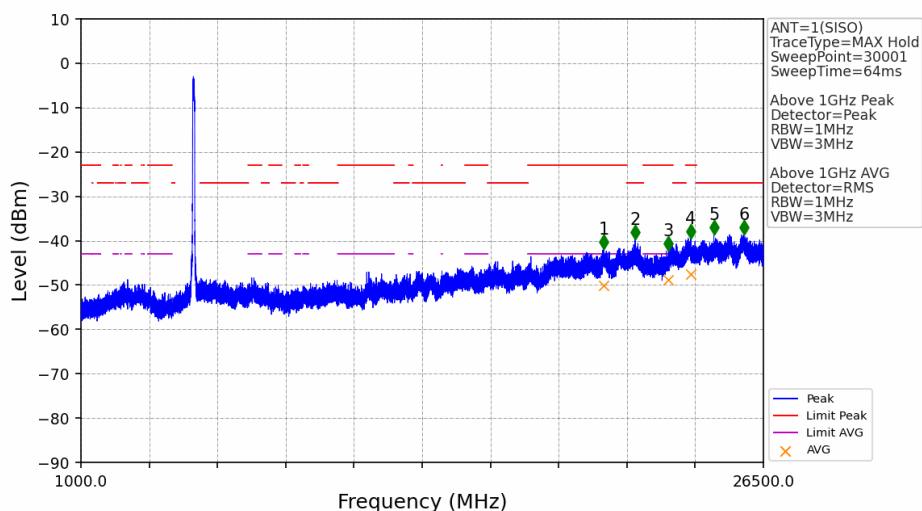
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark
1	20096.95	-41.81	-21.20	18.83	Pass Peak	7	20096.95	-51.17	-41.20	8.19	Pass AVG
2	21712.8	-40.96	-27.00	12.18	Pass Peak	8	21712.8	/	-27.00	/	/ AVG
3	22984.4	-41.27	-21.20	18.29	Pass Peak	9	22984.4	-49.29	-41.20	6.31	Pass AVG
4	23780	-39.12	-21.20	16.14	Pass Peak	10	23780	-47.73	-41.20	4.75	Pass AVG
5	25294.7	-37.64	-27.00	8.86	Pass Peak	11	25294.7	/	-27.00	/	/ AVG
6	26173.6	-40.12	-27.00	11.34	Pass Peak	12	26173.6	/	-27.00	/	/ AVG

802.11ax(HEW40)_HCH_5230MHz_SU / Ant1_NTNV



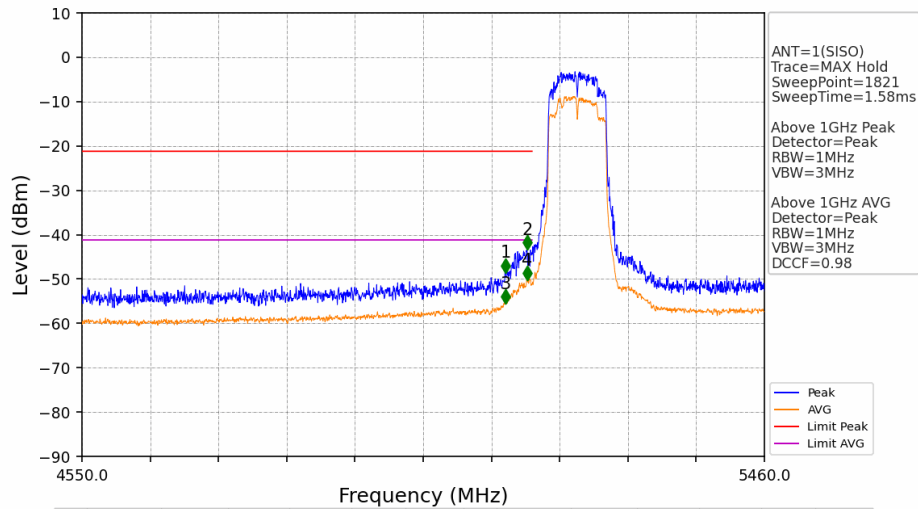
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5356.050	-49.27	-21.20	26.29	Pass	Peak	3	5356.050	/	-21.20	/	/	AVG
2	5460.000	-49.97	-21.20	26.99	Pass	Peak	4	5460.000	/	-21.20	/	/	AVG

802.11ax(HEW80)_MCH_5210MHz_SU / Ant1_NTNV

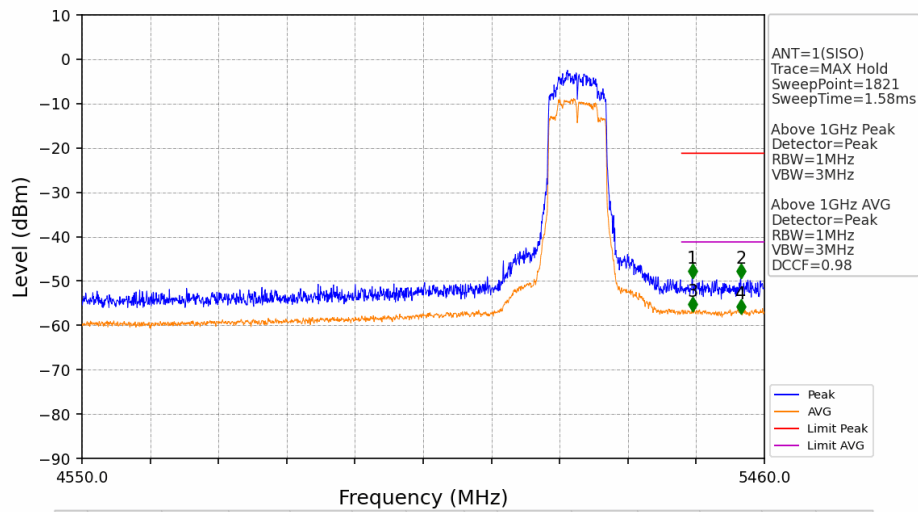


No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	20528.75	-41.79	-21.20	18.81	Pass	Peak	7	20528.75	-50.08	-41.20	7.10	Pass	AVG
2	21709.4	-39.72	-27.00	10.94	Pass	Peak	8	21709.4	/	-27.00	/	/	AVG
3	22951.25	-42.14	-21.20	19.16	Pass	Peak	9	22951.25	-48.88	-41.20	5.90	Pass	AVG
4	23788.5	-39.47	-21.20	16.49	Pass	Peak	10	23788.5	-47.47	-41.20	4.49	Pass	AVG
5	24647	-38.52	-27.00	9.73	Pass	Peak	11	24647	/	-27.00	/	/	AVG
6	25770.7	-38.55	-27.00	9.77	Pass	Peak	12	25770.7	/	-27.00	/	/	AVG

802.11ax(HEW80)_MCH_5210MHz_SU / Ant1_NTNV



802.11ax(HEW80)_MCH_5210MHz_SU / Ant1_NTNV



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	5179.995	5150 to 5250	Pass
				120	5179.995	5150 to 5250	Pass
				138	5179.994	5150 to 5250	Pass
			-30	120	5179.994	5150 to 5250	Pass
			-20	120	5179.993	5150 to 5250	Pass
			-10	120	5179.993	5150 to 5250	Pass
			0	120	5179.994	5150 to 5250	Pass
			10	120	5179.994	5150 to 5250	Pass
			30	120	5179.994	5150 to 5250	Pass
			40	120	5179.994	5150 to 5250	Pass
			50	120	5179.994	5150 to 5250	Pass
		5200	20	102	5199.996	5150 to 5250	Pass
				120	5199.995	5150 to 5250	Pass
				138	5199.996	5150 to 5250	Pass
			-30	120	5199.996	5150 to 5250	Pass
			-20	120	5199.996	5150 to 5250	Pass
			-10	120	5199.996	5150 to 5250	Pass
			0	120	5199.996	5150 to 5250	Pass
			10	120	5199.996	5150 to 5250	Pass
			30	120	5199.996	5150 to 5250	Pass
			40	120	5199.996	5150 to 5250	Pass
			50	120	5199.996	5150 to 5250	Pass
		5240	20	102	5239.995	5150 to 5250	Pass
				120	5239.995	5150 to 5250	Pass
				138	5239.995	5150 to 5250	Pass
			-30	120	5239.995	5150 to 5250	Pass
			-20	120	5239.995	5150 to 5250	Pass
			-10	120	5239.995	5150 to 5250	Pass
			0	120	5239.995	5150 to 5250	Pass
			10	120	5239.996	5150 to 5250	Pass
			30	120	5239.996	5150 to 5250	Pass
			40	120	5239.996	5150 to 5250	Pass
			50	120	5239.996	5150 to 5250	Pass
		5190	20	102	5189.996	5150 to 5250	Pass
				120	5189.995	5150 to 5250	Pass
				138	5189.995	5150 to 5250	Pass
			-30	120	5189.995	5150 to 5250	Pass
			-20	120	5189.995	5150 to 5250	Pass
			-10	120	5189.995	5150 to 5250	Pass
			0	120	5189.995	5150 to 5250	Pass
			10	120	5189.995	5150 to 5250	Pass
			30	120	5189.995	5150 to 5250	Pass
			40	120	5189.995	5150 to 5250	Pass
			50	120	5189.995	5150 to 5250	Pass
		5230	20	102	5229.995	5150 to 5250	Pass
				120	5229.995	5150 to 5250	Pass
				138	5229.995	5150 to 5250	Pass
			-30	120	5229.995	5150 to 5250	Pass

			-20	120	5229.995	5150 to 5250	Pass
			-10	120	5229.995	5150 to 5250	Pass
			0	120	5229.995	5150 to 5250	Pass
			10	120	5229.995	5150 to 5250	Pass
			30	120	5229.995	5150 to 5250	Pass
			40	120	5229.995	5150 to 5250	Pass
			50	120	5229.995	5150 to 5250	Pass
		5210	20	102	5209.996	5150 to 5250	Pass
				120	5209.996	5150 to 5250	Pass
				138	5209.996	5150 to 5250	Pass
			-30	120	5209.996	5150 to 5250	Pass
			-20	120	5209.996	5150 to 5250	Pass
			-10	120	5209.996	5150 to 5250	Pass
			0	120	5209.996	5150 to 5250	Pass
			10	120	5209.996	5150 to 5250	Pass
			30	120	5209.996	5150 to 5250	Pass
			40	120	5209.995	5150 to 5250	Pass
			50	120	5209.995	5150 to 5250	Pass

▶▶▶ END OF REPORT ◀◀◀

