

1. Duty Cycle

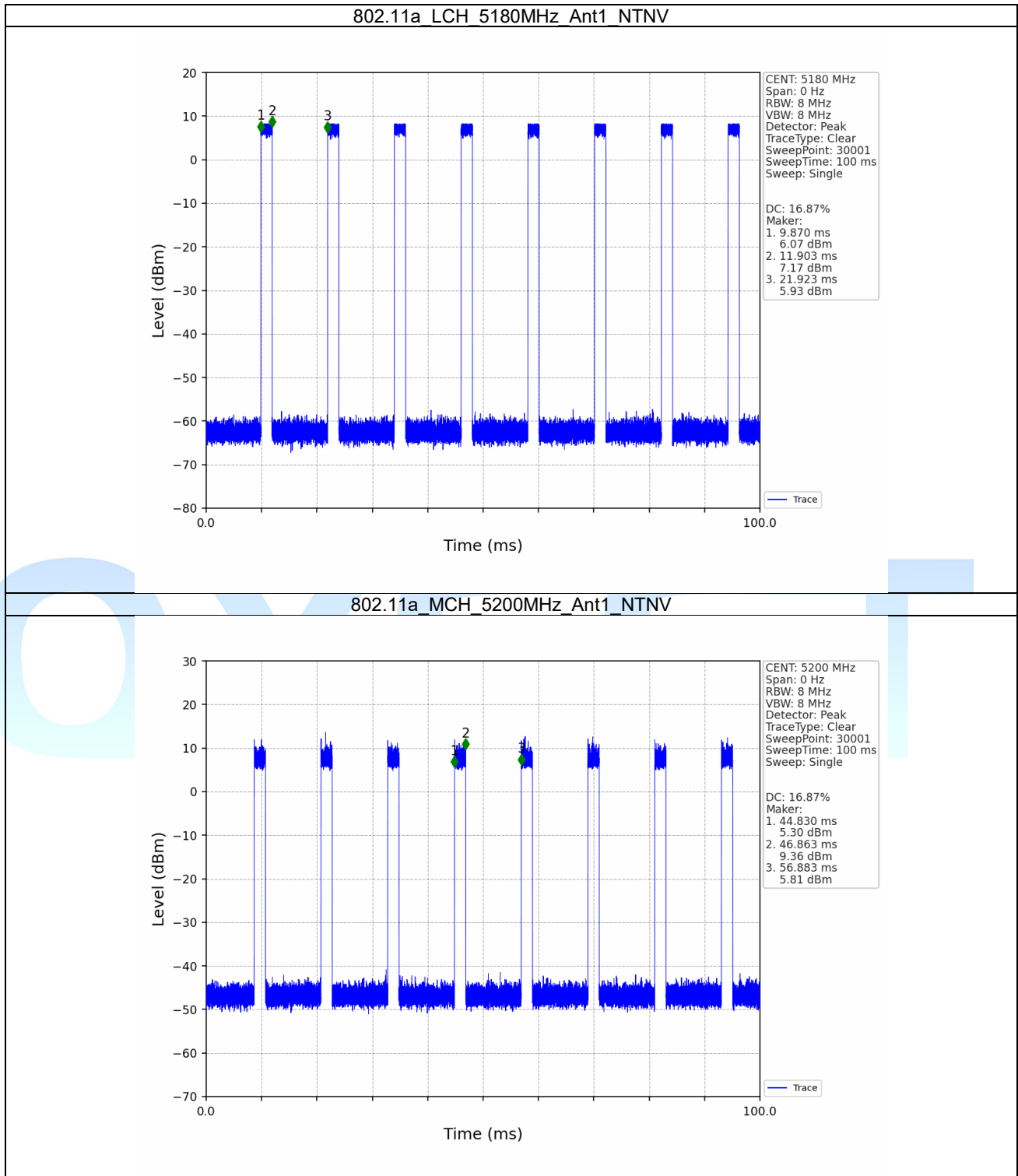
1.1 Test Result

1.1.1 Ant1

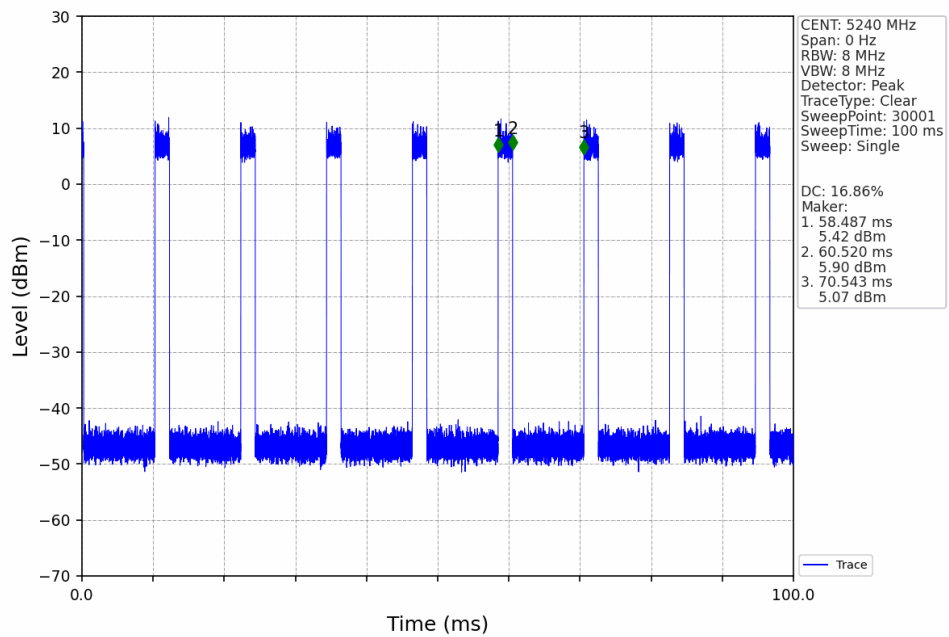
Ant1									
Mode	TX Type	Frequency (MHz)	RU	RU Pos	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11a	SISO	5180	/	/	2.033	12.053	16.87	7.73	0.00
		5200	/	/	2.033	12.053	16.87	7.73	0.03
		5240	/	/	2.033	12.056	16.86	7.73	0.03
802.11n (HT20)	SISO	5180	/	/	1.893	11.913	15.89	7.99	0.03
		5200	/	/	1.894	11.914	15.90	7.99	0.00
		5240	/	/	1.894	11.910	15.90	7.99	0.03
802.11n (HT40)	SISO	5190	/	/	0.934	10.957	8.52	10.69	0.00
		5230	/	/	0.933	10.957	8.52	10.70	0.03
802.11ac (VHT20)	SISO	5180	/	/	1.900	11.920	15.94	7.98	0.03
		5200	/	/	1.900	11.920	15.94	7.98	0.03
		5240	/	/	1.900	11.920	15.94	7.98	0.03
802.11ac (VHT40)	SISO	5190	/	/	0.937	10.957	8.55	10.68	0.03
		5230	/	/	0.936	10.956	8.54	10.68	0.03
802.11ac (VHT80)	SISO	5210	/	/	0.457	10.477	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	11.480	12.72	8.96	0.03
		5240	SU	/	1.460	11.483	12.71	8.96	0.03
802.11ax (HEW40)	SISO	5190	SU	/	0.763	11.217	6.80	11.67	0.28
		5230	SU	/	0.764	10.784	7.08	11.50	0.00
802.11ax (HEW80)	SISO	5210	SU	/	0.393	10.413	3.77	14.23	0.03

1.2 Test Graph

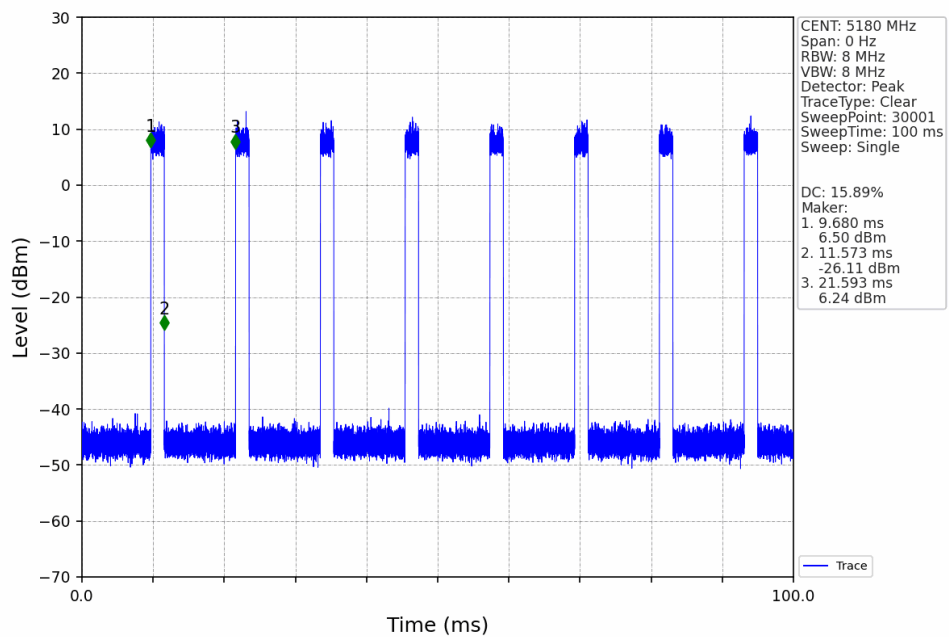
1.2.1 Ant1



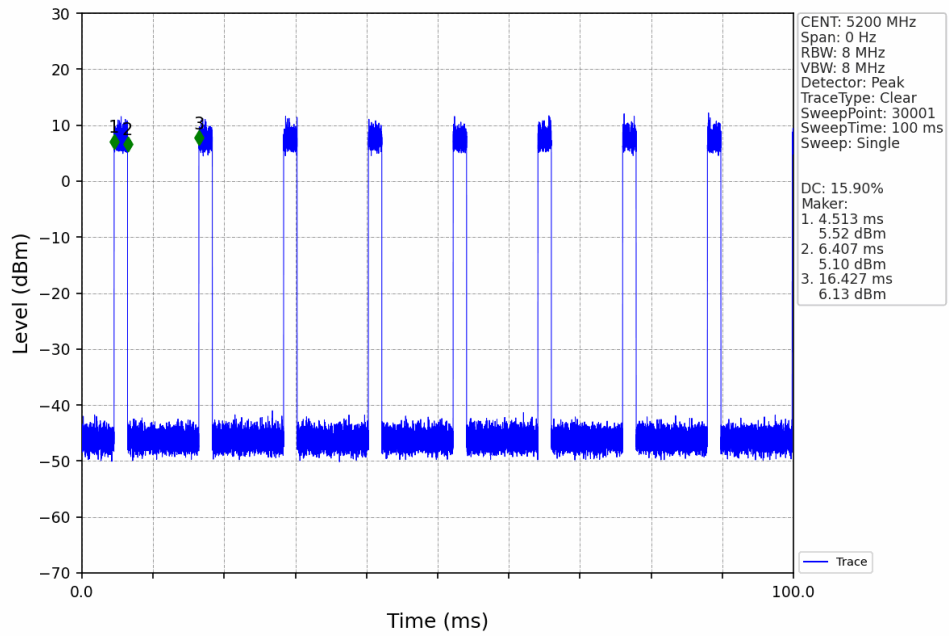
802.11a_HCH_5240MHz_Ant1_NTNV



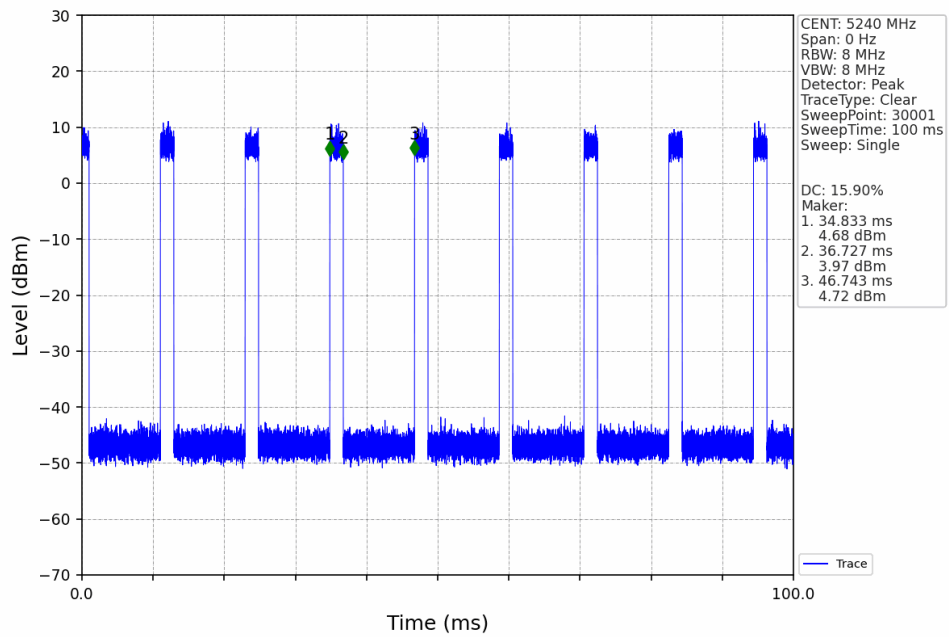
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



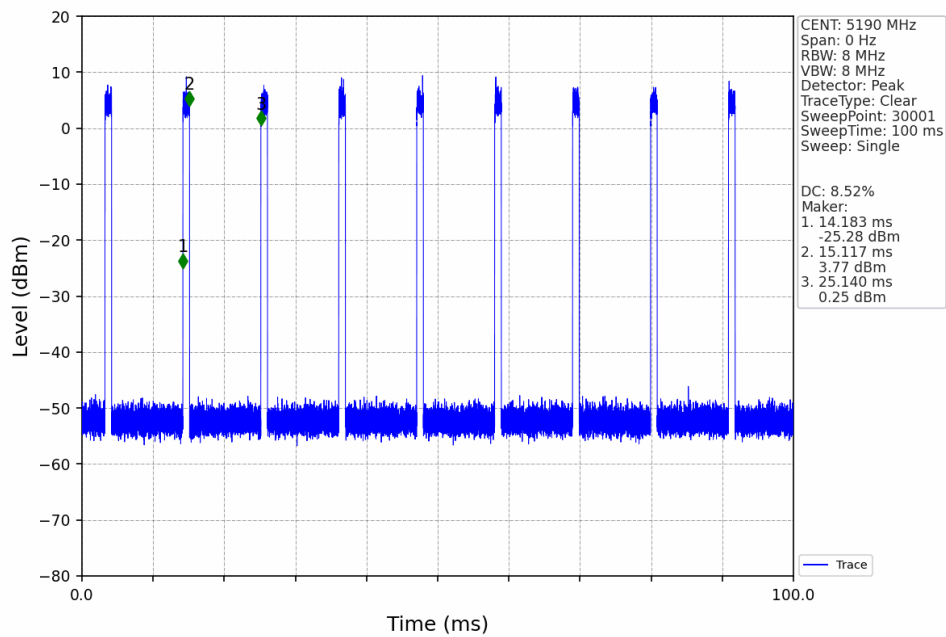
802.11n(HT20) MCH 5200MHz_Ant1_NTNV



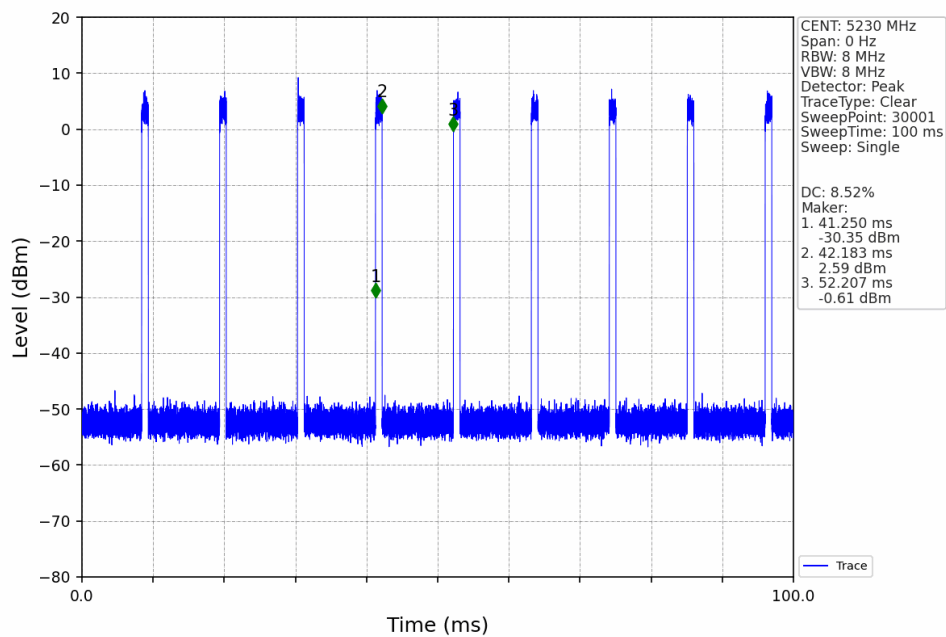
802.11n(HT20) HCH 5240MHz_Ant1_NTNV



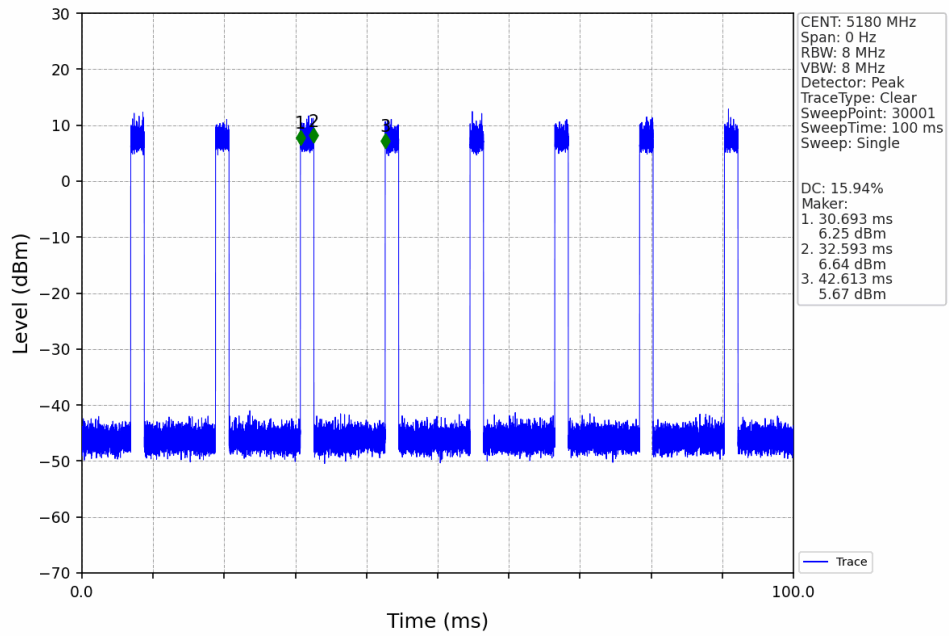
802.11n(HT40) LCH 5190MHz_Ant1_NTNV



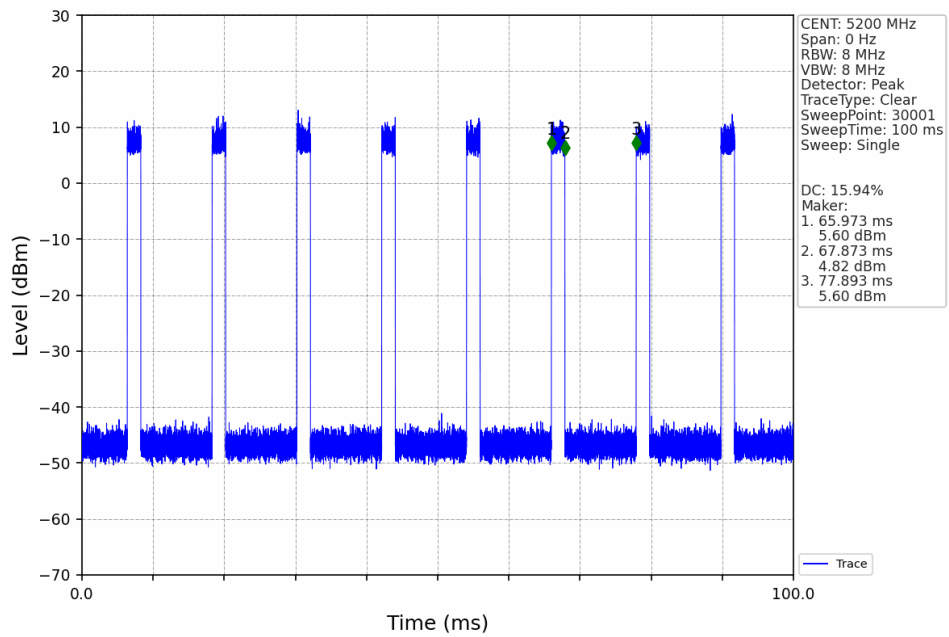
802.11n(HT40) HCH 5230MHz_Ant1_NTNV



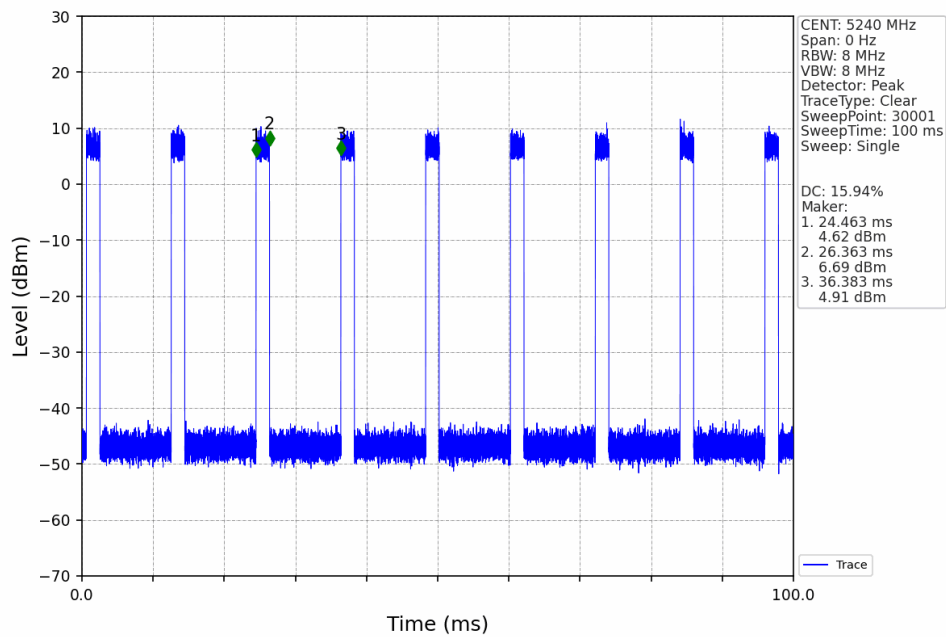
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



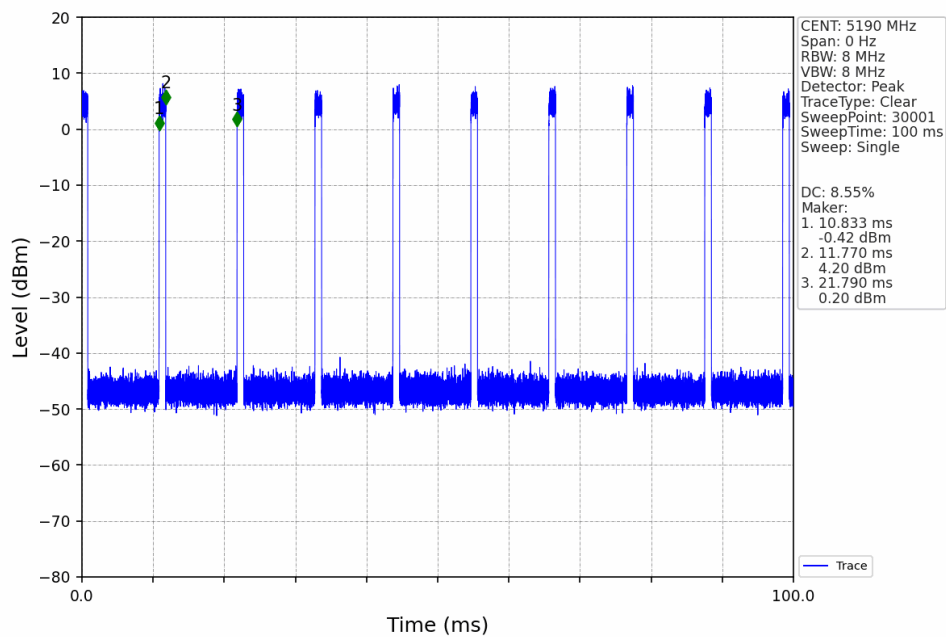
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



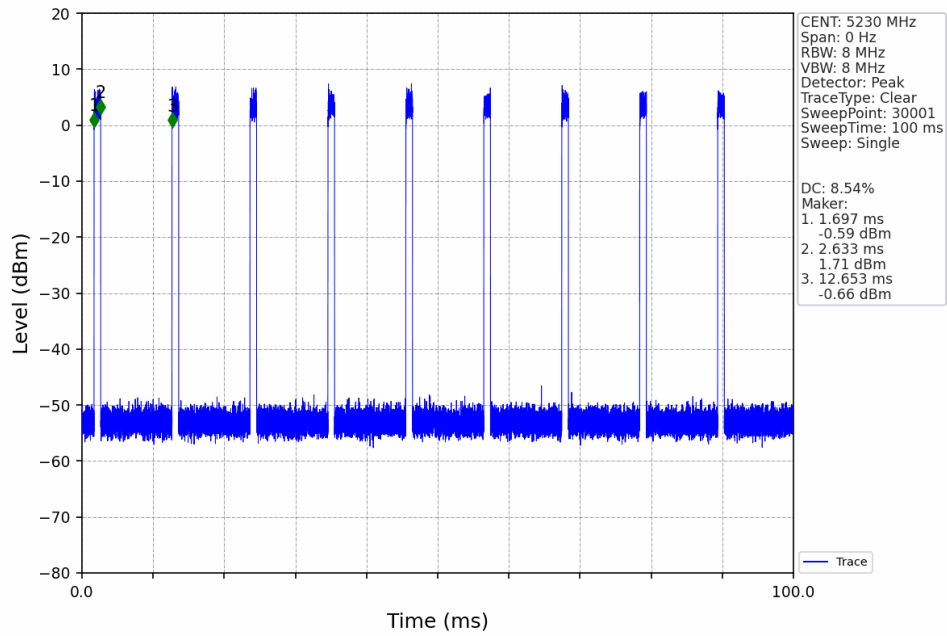
802.11ac(VHT20) HCH_5240MHz_Ant1_NTNV



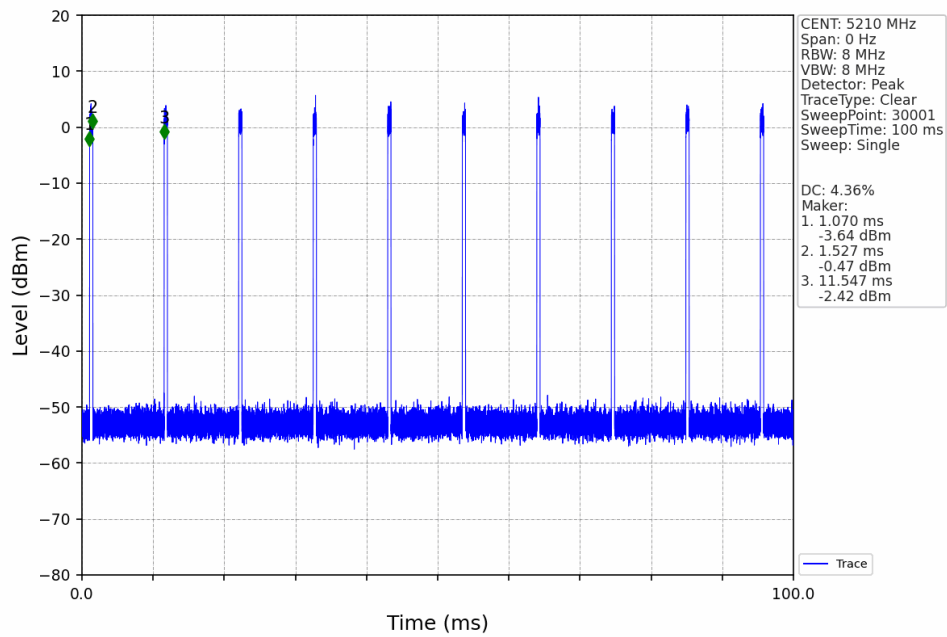
802.11ac(VHT40) LCH_5190MHz_Ant1_NTNV



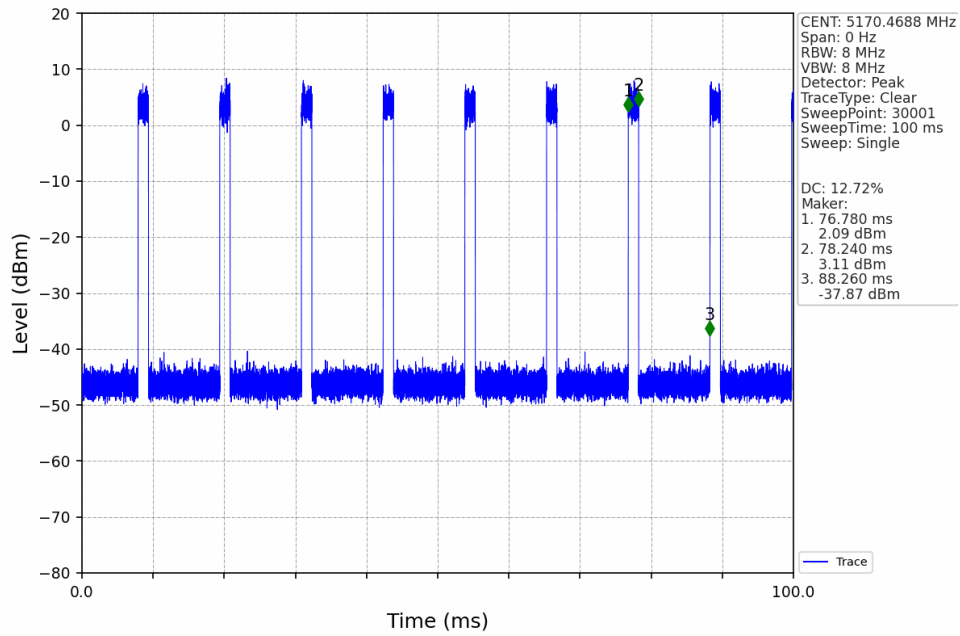
802.11ac(VHT40) HCH 5230MHz_Ant1_NTNV



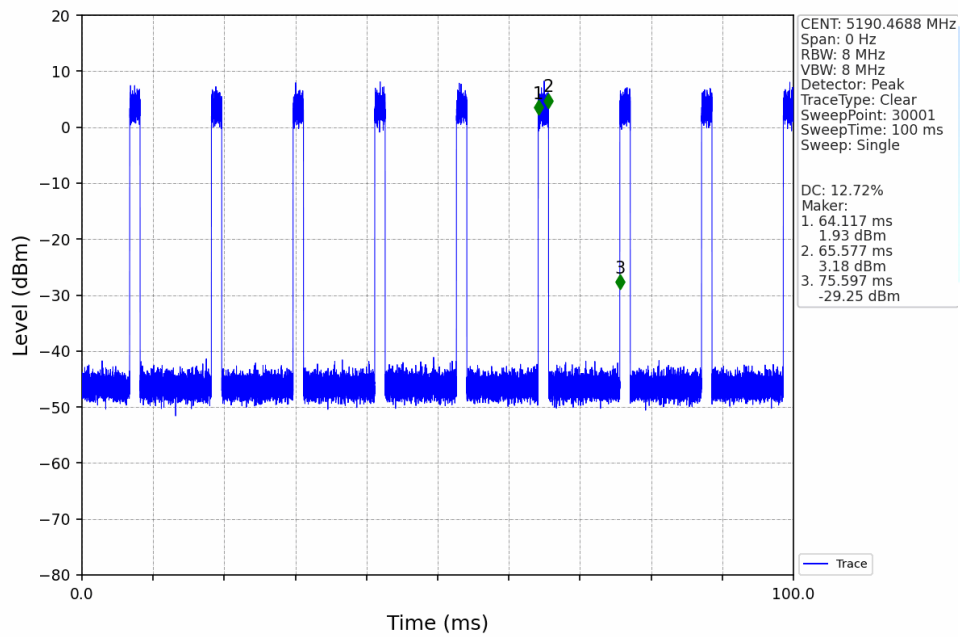
802.11ac(VHT80) MCH 5210MHz_Ant1_NTNV



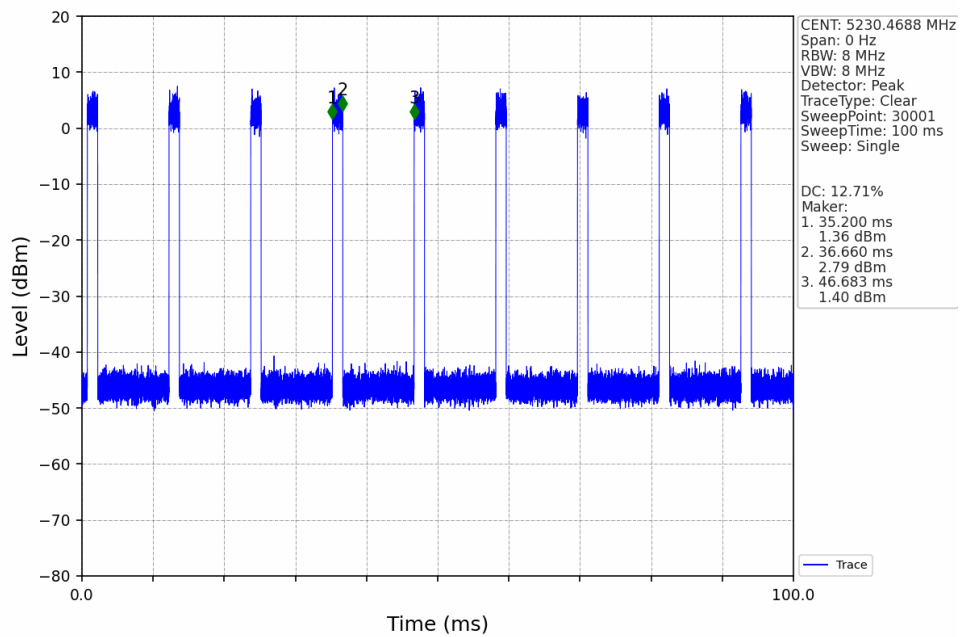
802.11ax(HEW20)_LCH_5180MHz_SU_ / Ant1_NTNV



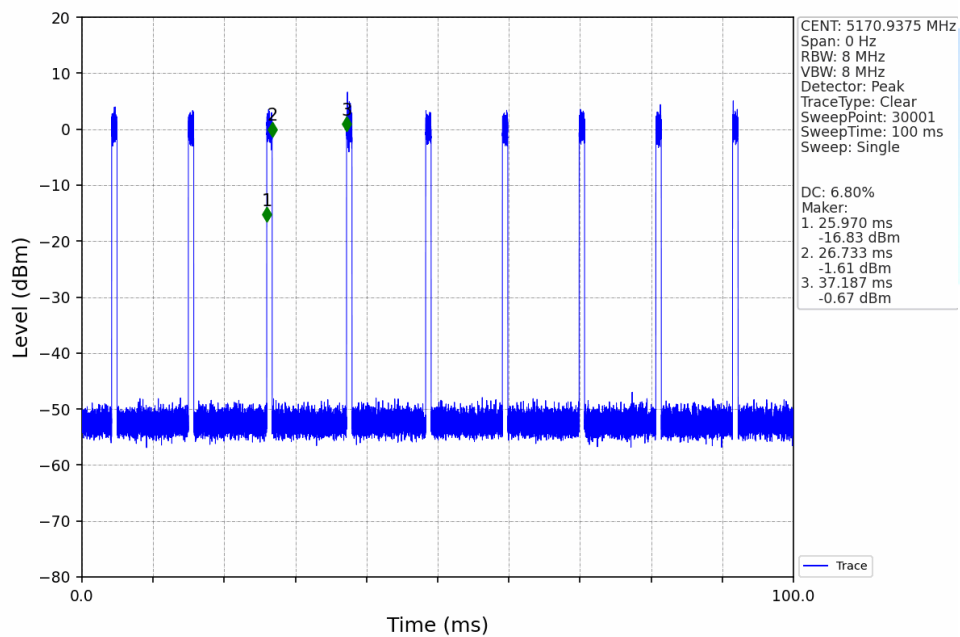
802.11ax(HEW20)_MCH_5200MHz_SU_ / Ant1_NTNV



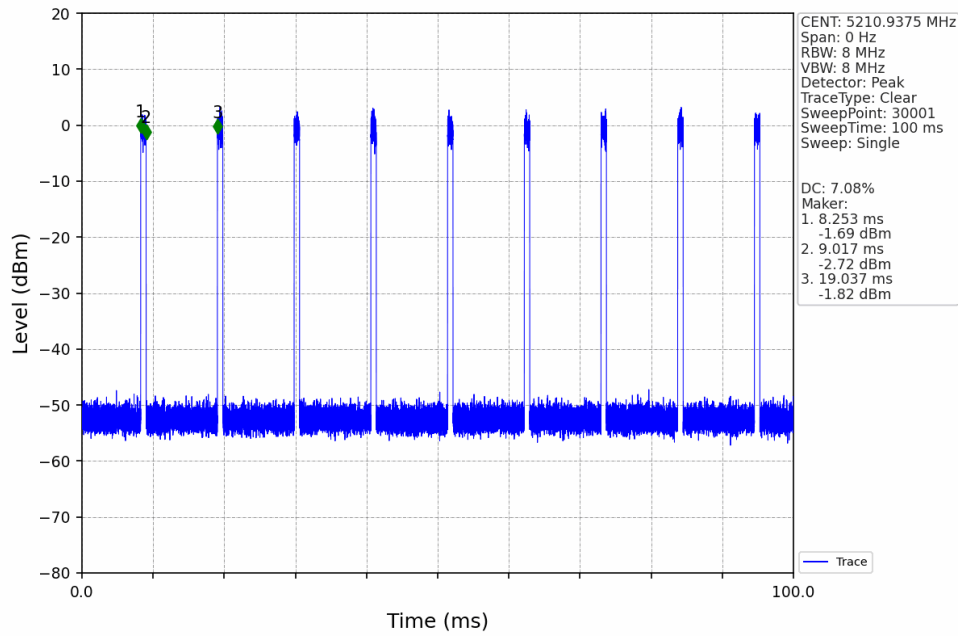
802.11ax(HEW20)_HCH_5240MHz_SU_ / _Ant1_NTNV



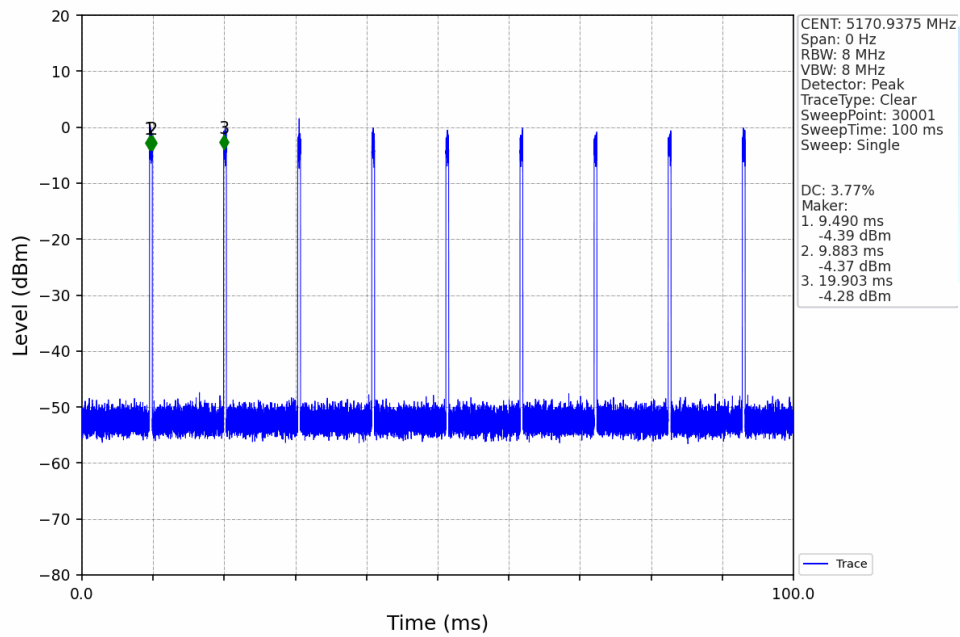
802.11ax(HEW40)_LCH_5190MHz_SU_ / _Ant1_NTNV



802.11ax(HEW40)_HCH_5230MHz_SU / Ant1_NTNV



802.11ax(HEW80)_MCH_5210MHz_SU / Ant1_NTNV



2. Bandwidth

2.1 Test Result

2.1.1 OBW

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	99% Occupied Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	SISO	5180	/	/	1	18.293	/	Pass
		5200	/	/	1	18.360	/	Pass
		5240	/	/	1	18.205	/	Pass
802.11n (HT20)	SISO	5180	/	/	1	19.383	/	Pass
		5200	/	/	1	19.181	/	Pass
		5240	/	/	1	19.366	/	Pass
802.11n (HT40)	SISO	5190	/	/	1	37.486	/	Pass
		5230	/	/	1	37.337	/	Pass
802.11ac (VHT20)	SISO	5180	/	/	1	19.281	/	Pass
		5200	/	/	1	19.169	/	Pass
		5240	/	/	1	19.382	/	Pass
802.11ac (VHT40)	SISO	5190	/	/	1	37.202	/	Pass
		5230	/	/	1	37.464	/	Pass
802.11ac (VHT80)	SISO	5210	/	/	1	76.710	/	Pass
802.11ax (HEW20)	SISO	5180	SU	/	1	19.897	/	Pass
		5200	SU	/	1	19.722	/	Pass
		5240	SU	/	1	19.842	/	Pass
802.11ax (HEW40)	SISO	5190	SU	/	1	38.542	/	Pass
		5230	SU	/	1	38.622	/	Pass
802.11ax (HEW80)	SISO	5210	SU	/	1	77.944	/	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	22.869	/	Pass
		5200	/	/	1	23.750	/	Pass
		5240	/	/	1	23.321	/	Pass
802.11n (HT20)	SISO	5180	/	/	1	25.279	/	Pass
		5200	/	/	1	24.287	/	Pass
		5240	/	/	1	25.031	/	Pass
802.11n (HT40)	SISO	5190	/	/	1	44.953	/	Pass
		5230	/	/	1	45.640	/	Pass
802.11ac (VHT20)	SISO	5180	/	/	1	23.844	/	Pass
		5200	/	/	1	24.287	/	Pass
		5240	/	/	1	24.185	/	Pass
802.11ac (VHT40)	SISO	5190	/	/	1	44.517	/	Pass
		5230	/	/	1	45.510	/	Pass
802.11ac (VHT80)	SISO	5210	/	/	1	86.905	/	Pass
802.11ax (HEW20)	SISO	5180	SU	/	1	24.001	/	Pass
		5200	SU	/	1	24.519	/	Pass
		5240	SU	/	1	25.753	/	Pass
802.11ax (HEW40)	SISO	5190	SU	/	1	43.649	/	Pass
		5230	SU	/	1	45.102	/	Pass
802.11ax	SISO	5210	SU	/	1	85.607	/	Pass

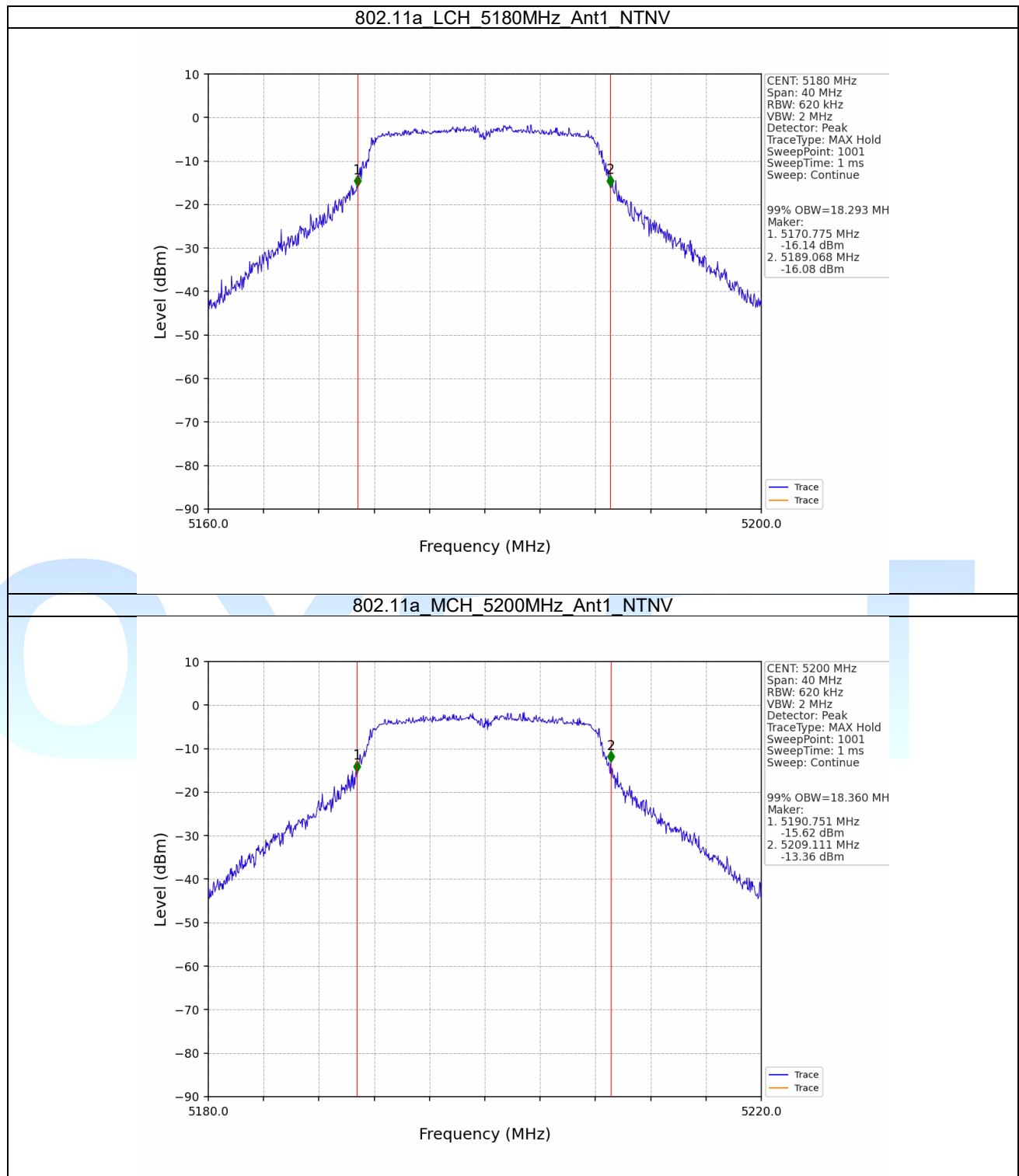


(HEW80)								
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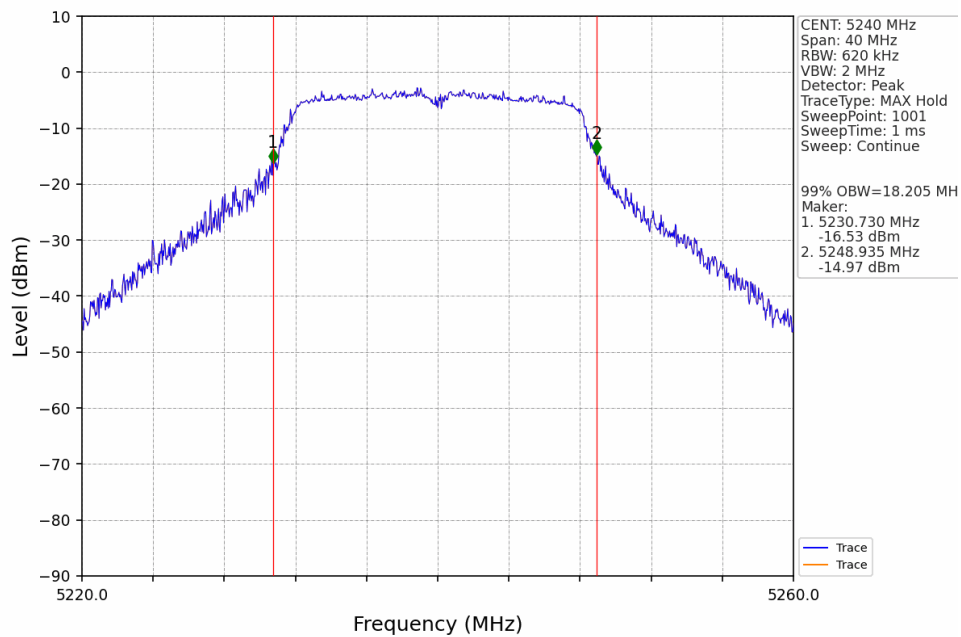


2.2 Test Graph

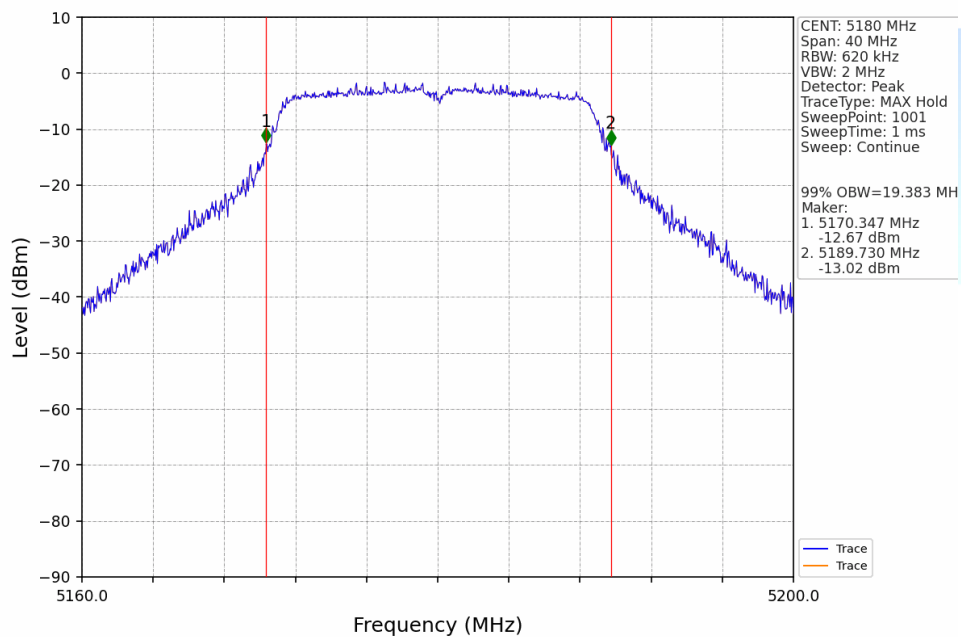
2.2.1 OBW



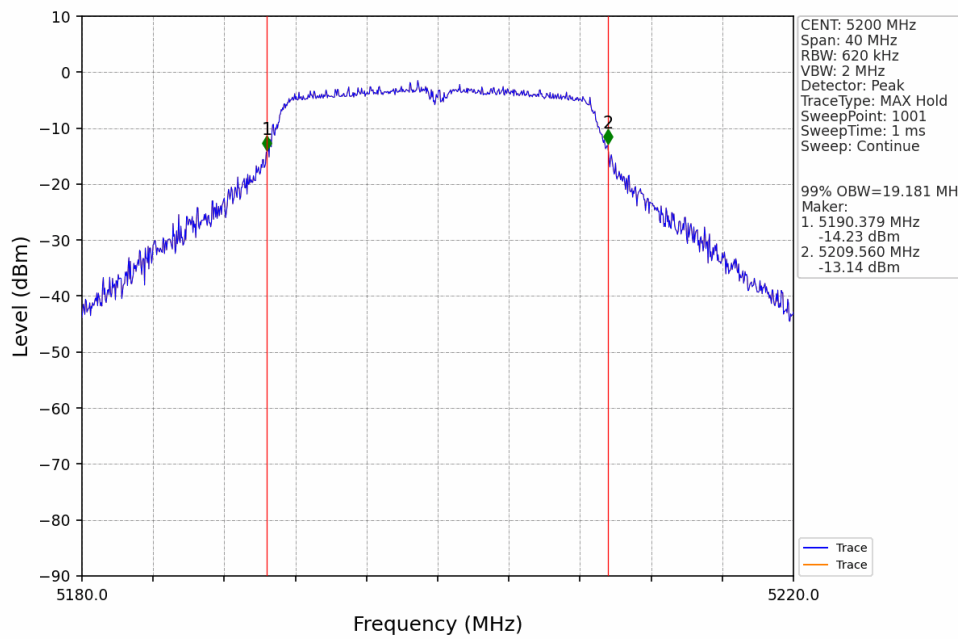
802.11a_HCH_5240MHz_Ant1_NTNV



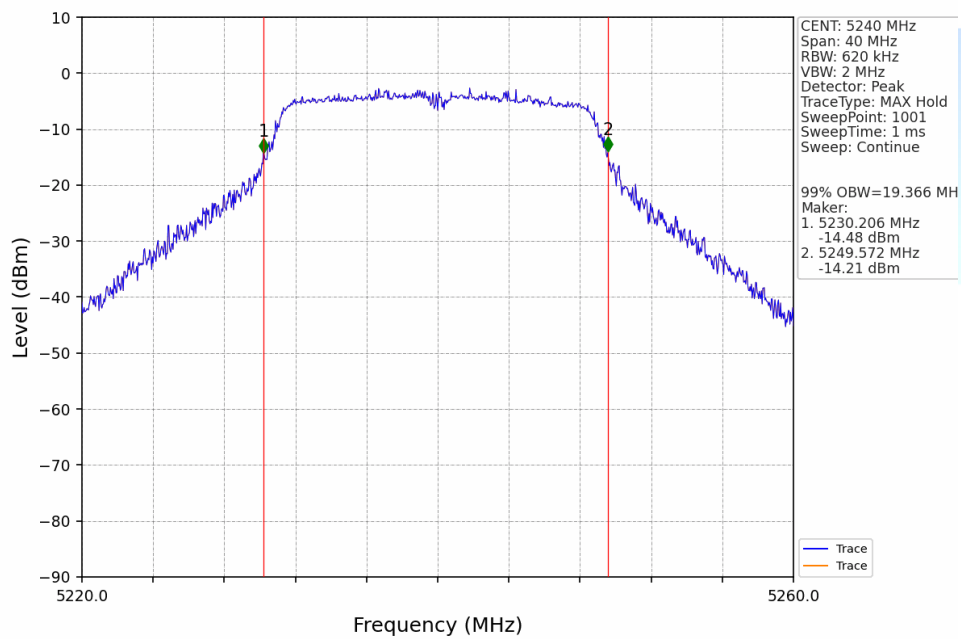
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



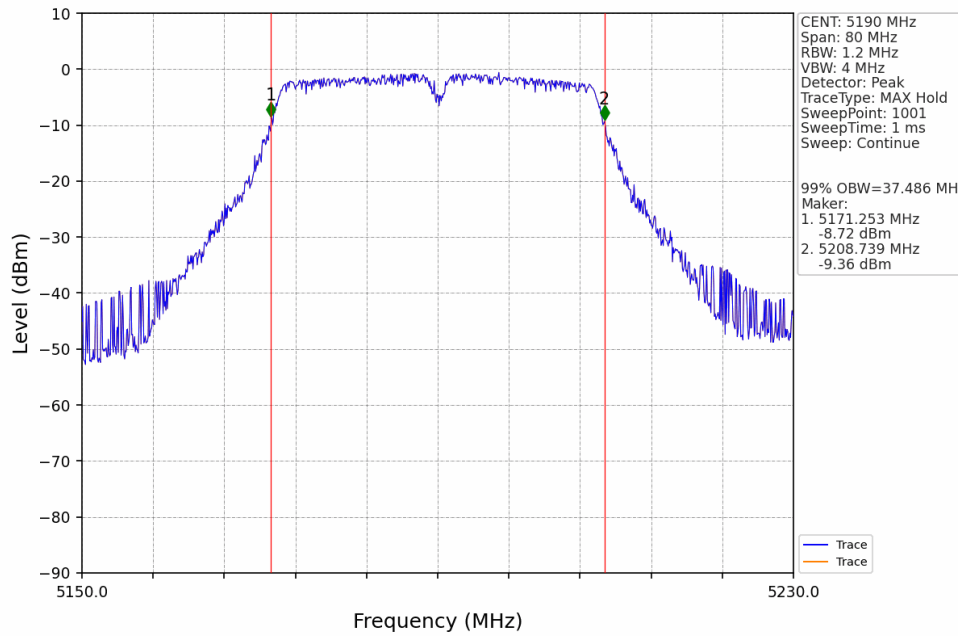
802.11n(HT20) MCH 5200MHz_Ant1_NTNV



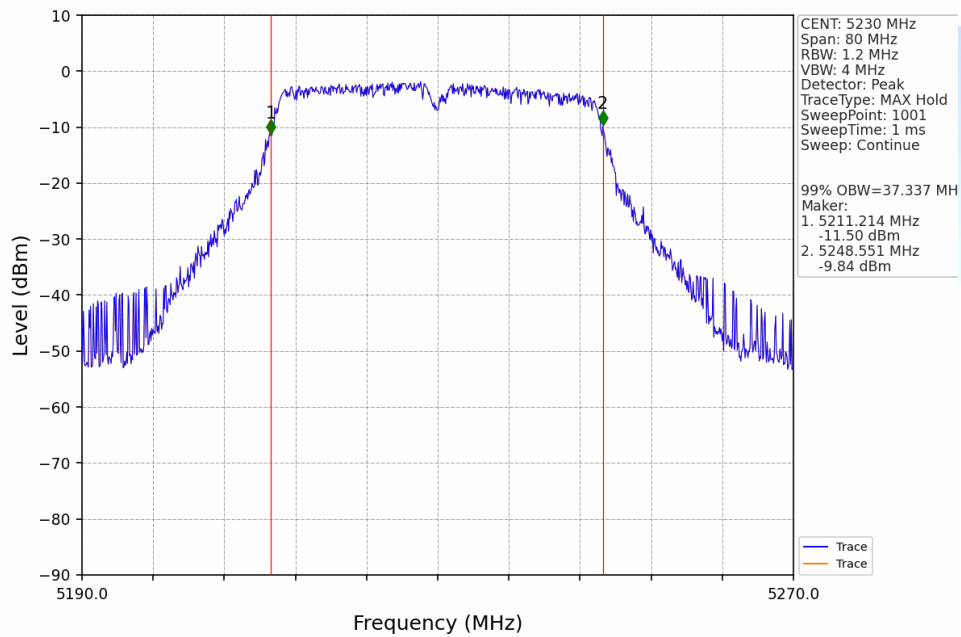
802.11n(HT20) HCH 5240MHz_Ant1_NTNV



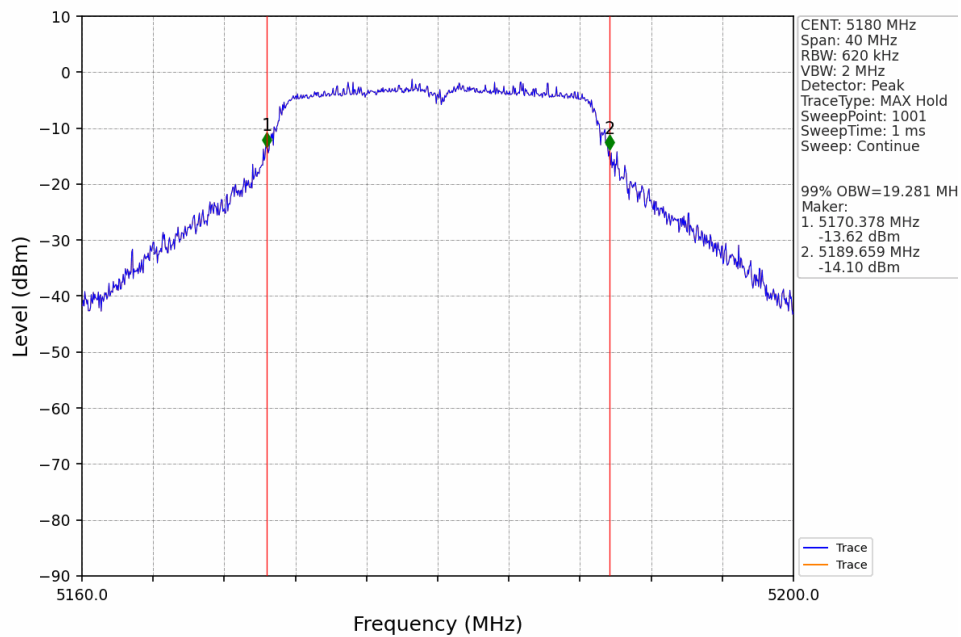
802.11n(HT40) LCH 5190MHz_Ant1_NTNV



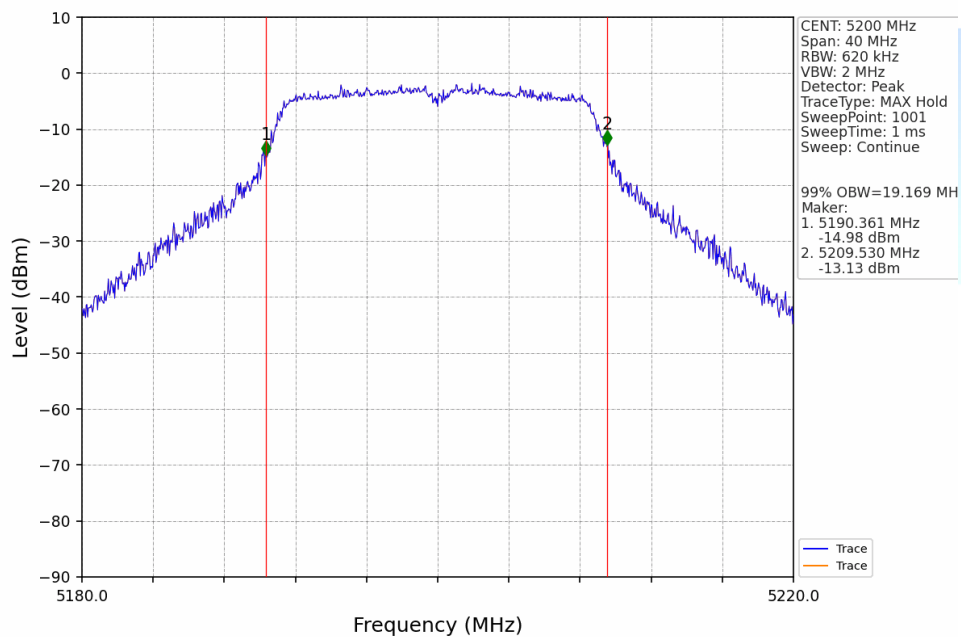
802.11n(HT40) HCH 5230MHz_Ant1_NTNV



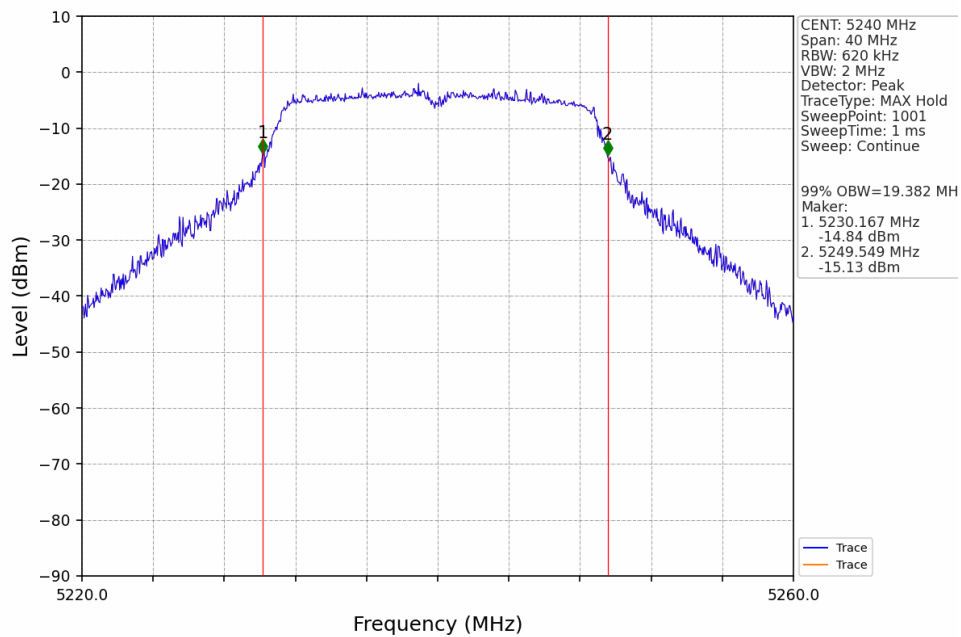
802.11ac(VHT20) LCH_5180MHz_Ant1_NTNV



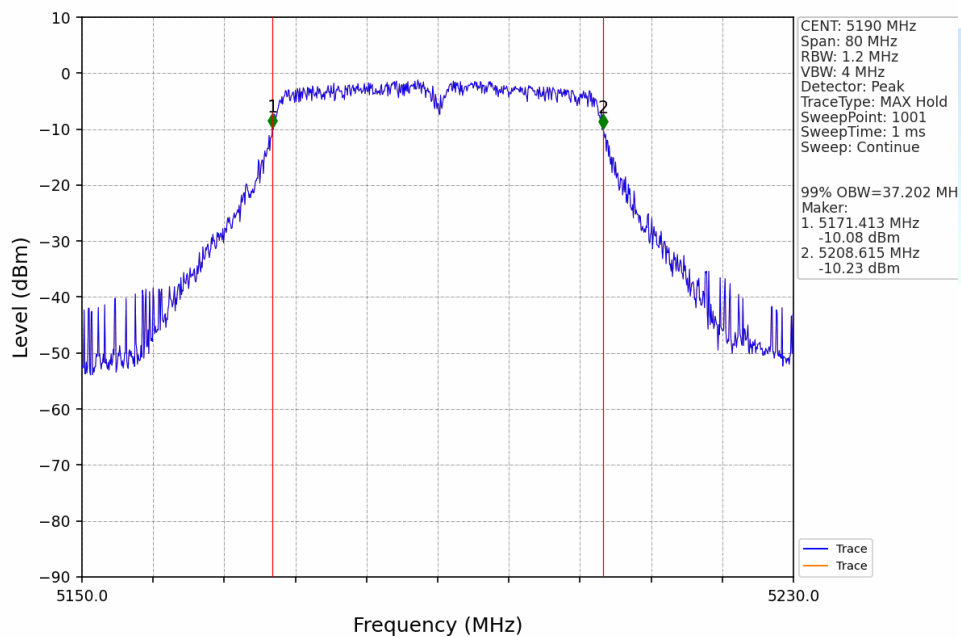
802.11ac(VHT20) MCH_5200MHz_Ant1_NTNV



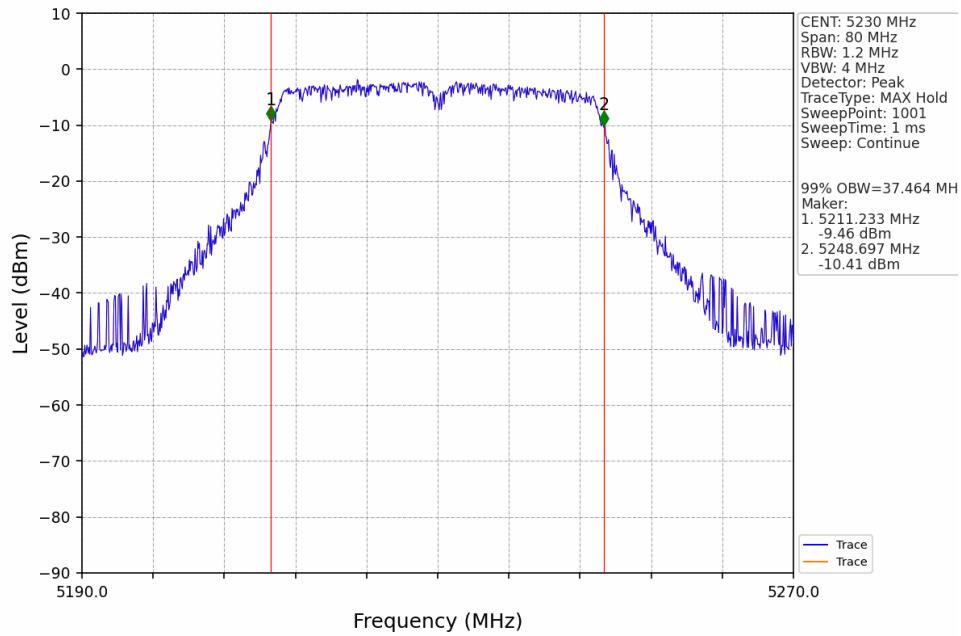
802.11ac(VHT20) HCH_5240MHz_Ant1_NTNV



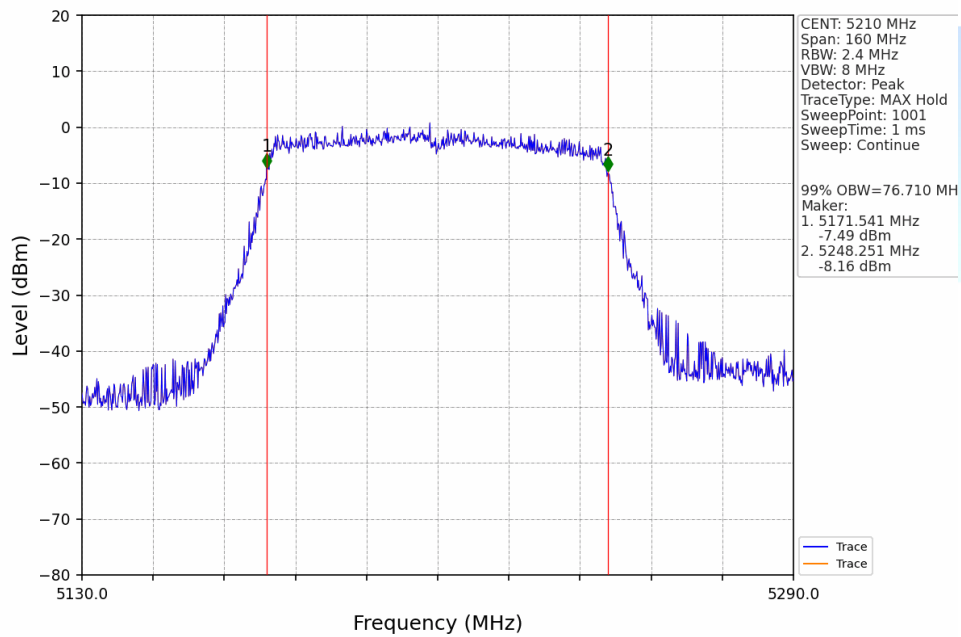
802.11ac(VHT40) LCH_5190MHz_Ant1_NTNV



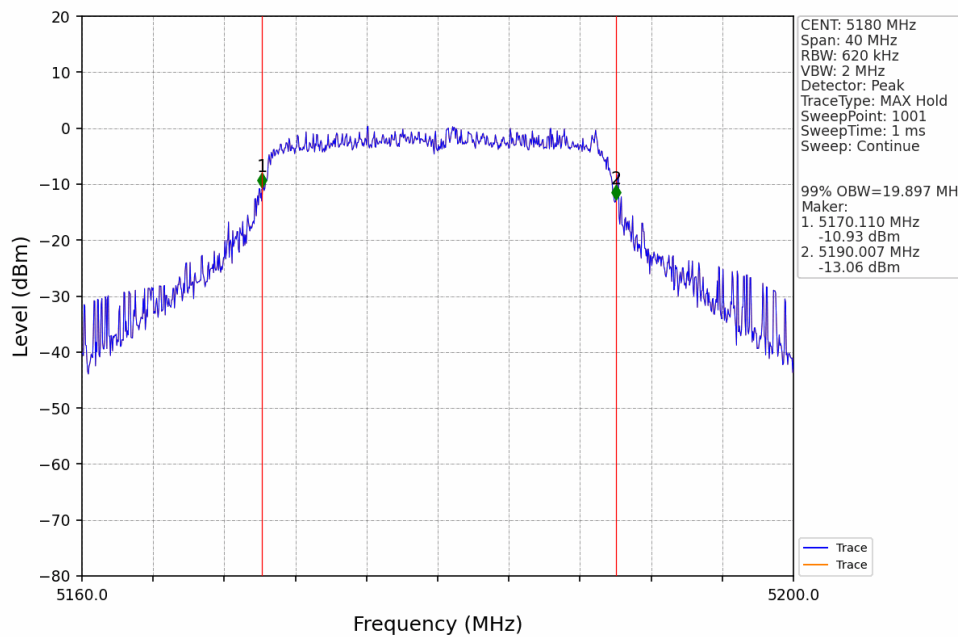
802.11ac(VHT40) HCH 5230MHz_Ant1_NTNV



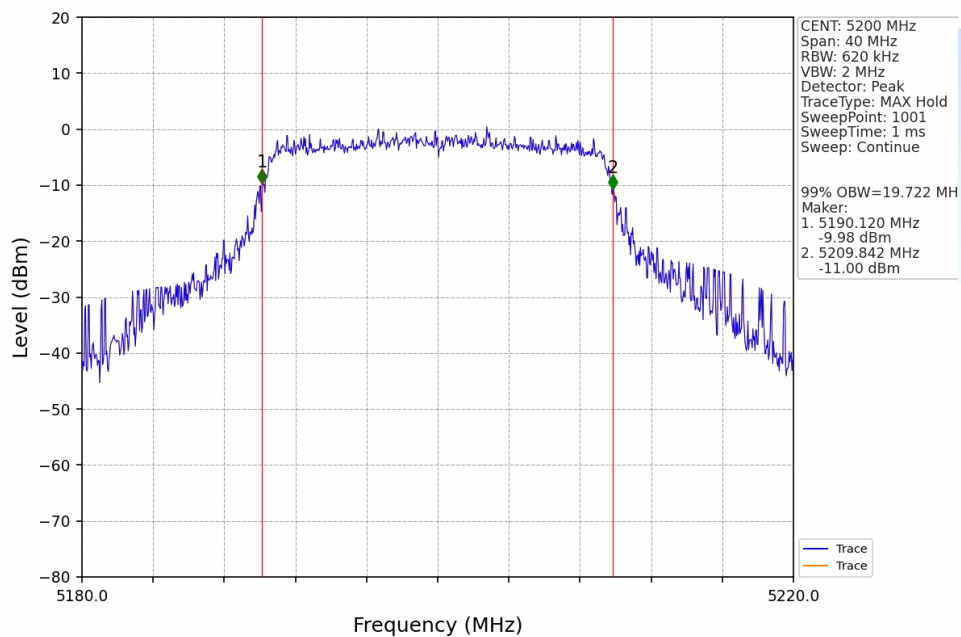
802.11ac(VHT80) MCH 5210MHz_Ant1_NTNV



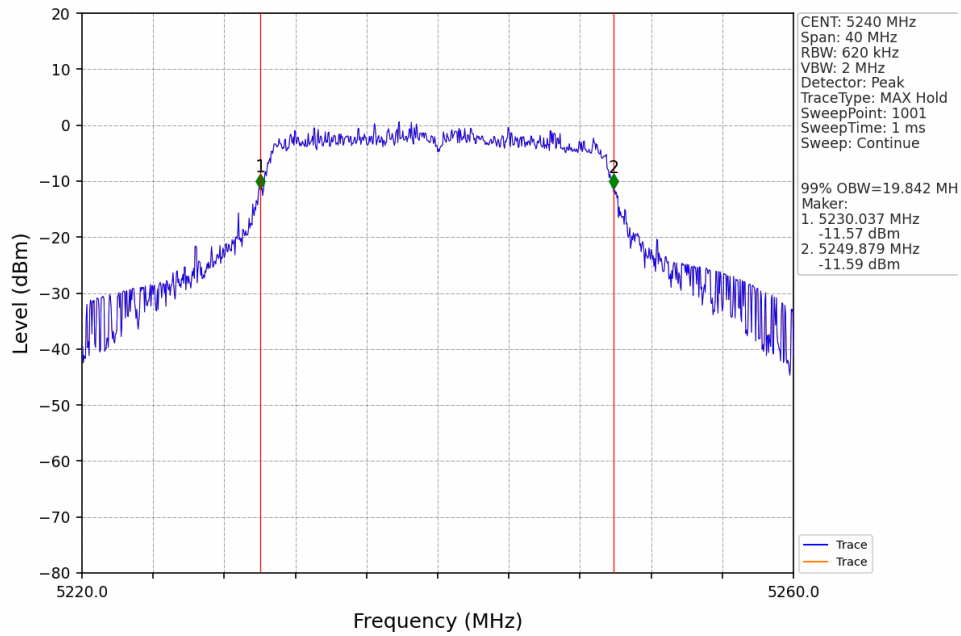
802.11ax(HEW20)_LCH_5180MHz_SU_ / Ant1_NTNV



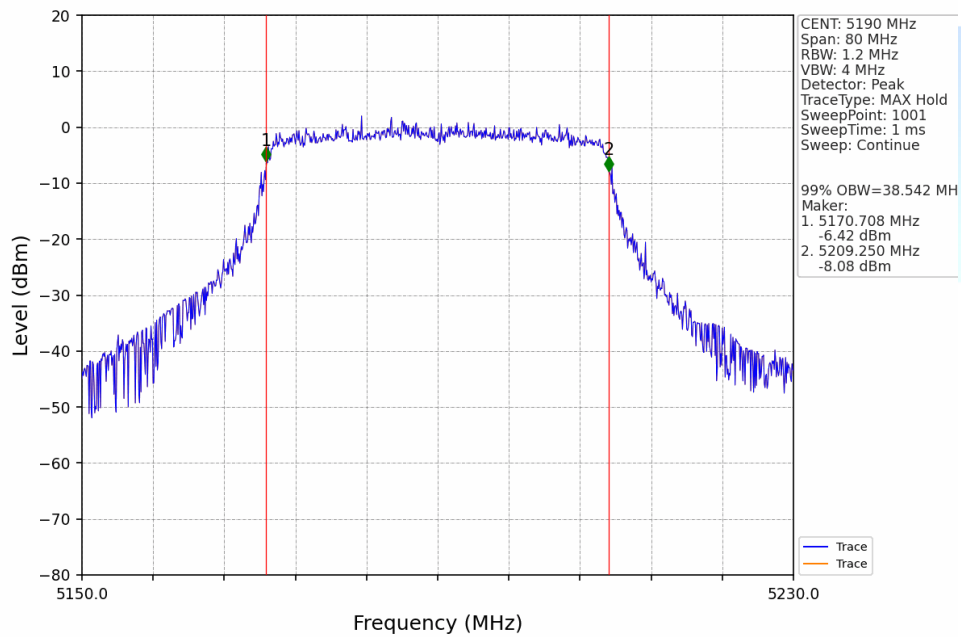
802.11ax(HEW20)_MCH_5200MHz_SU_ / Ant1_NTNV



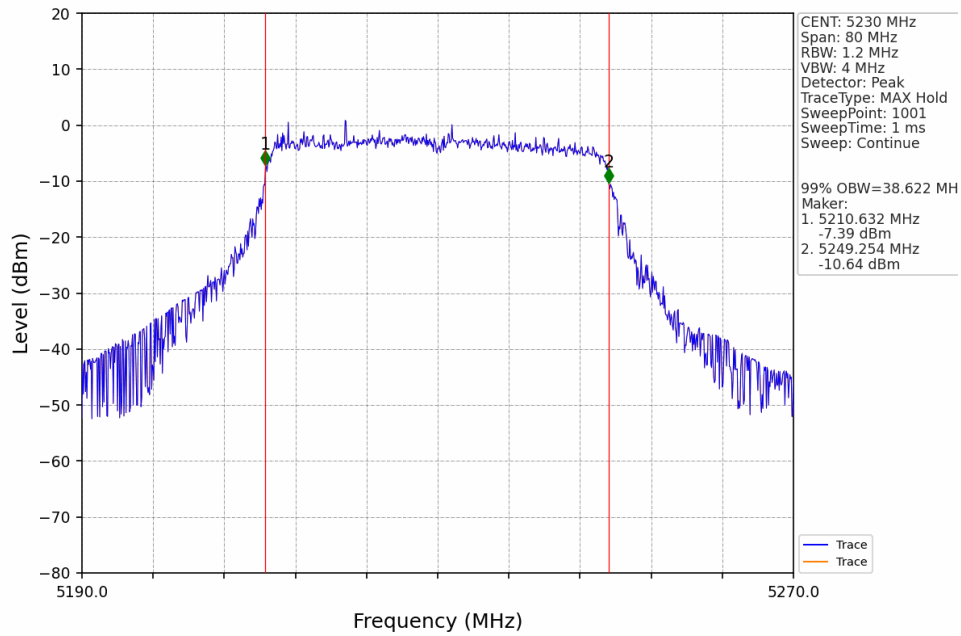
802.11ax(HEW20)_HCH_5240MHz_SU_ / Ant1_NTNV



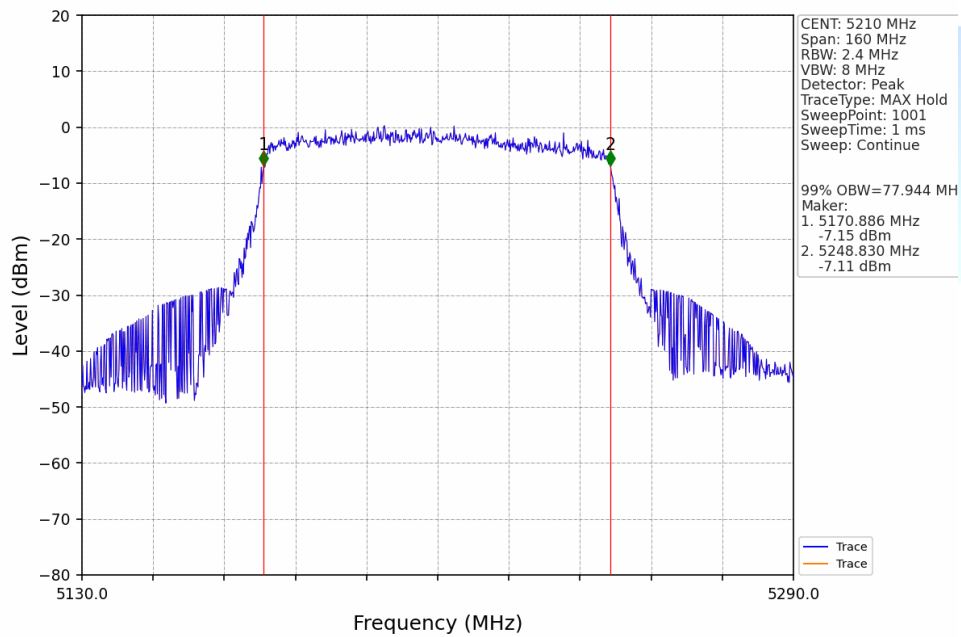
802.11ax(HEW40)_LCH_5190MHz_SU_ / Ant1_NTNV



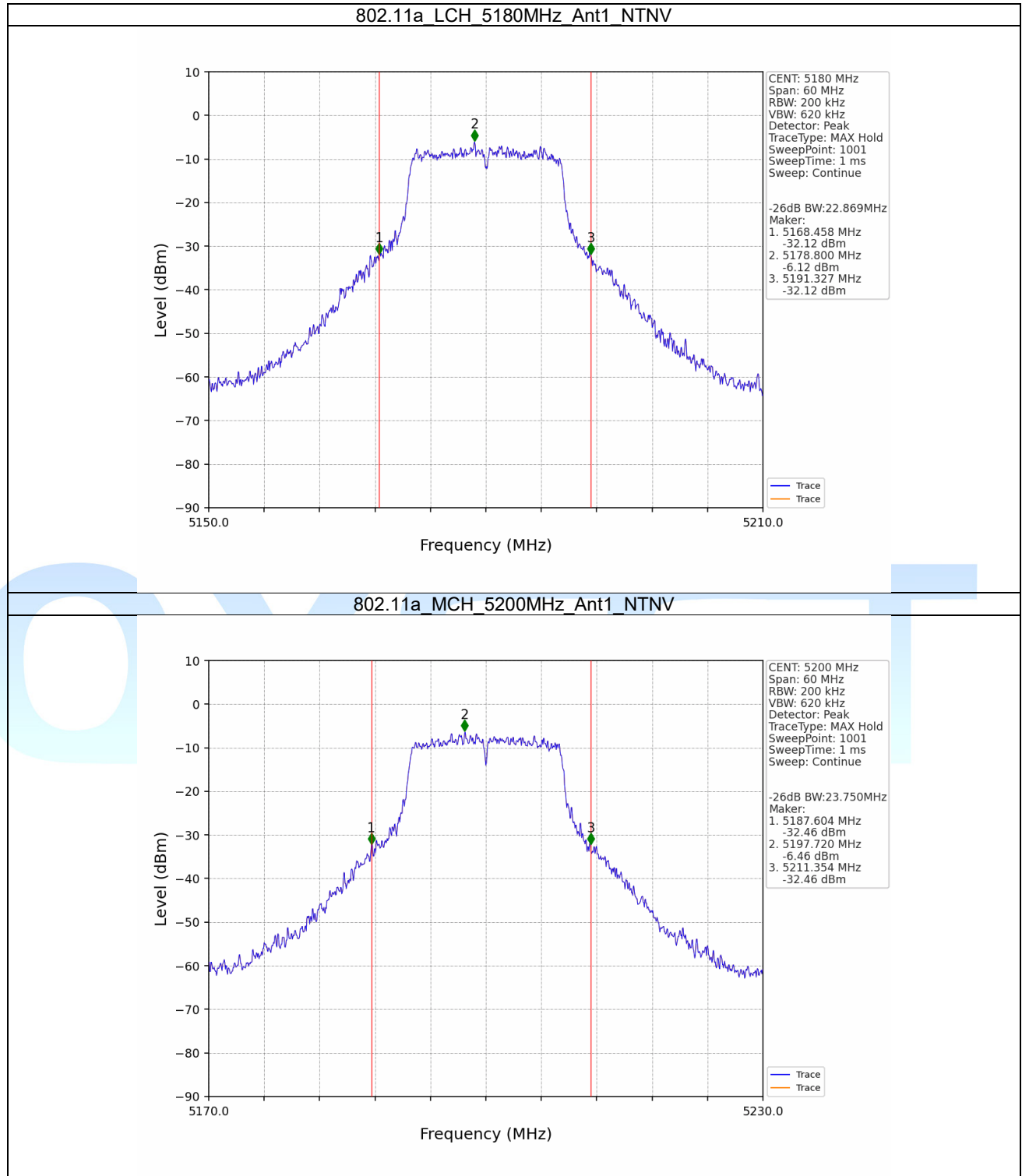
802.11ax(HEW40)_HCH_5230MHz_SU / Ant1_NTNV



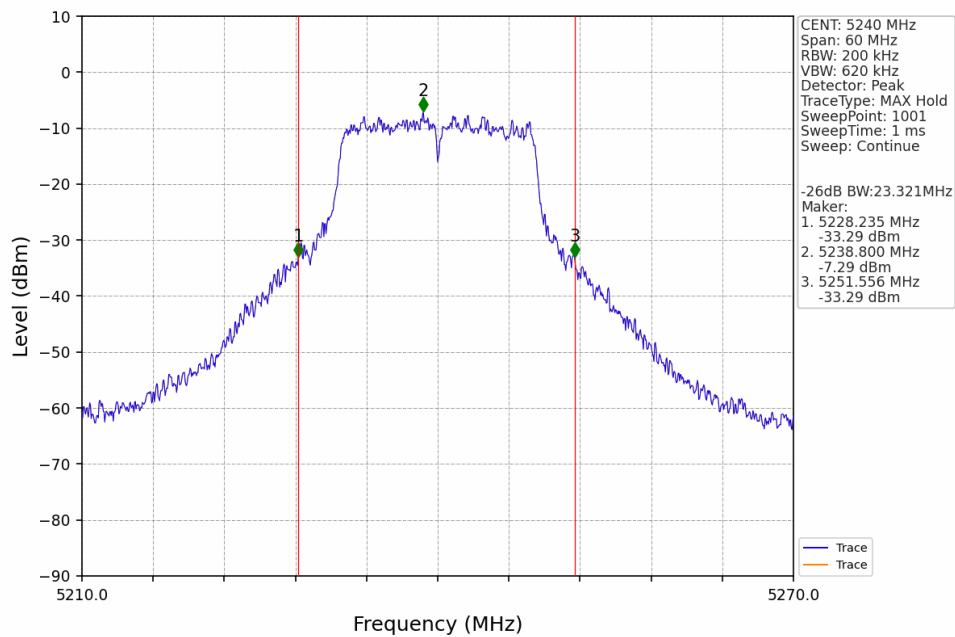
802.11ax(HEW80)_MCH_5210MHz_SU / Ant1_NTNV



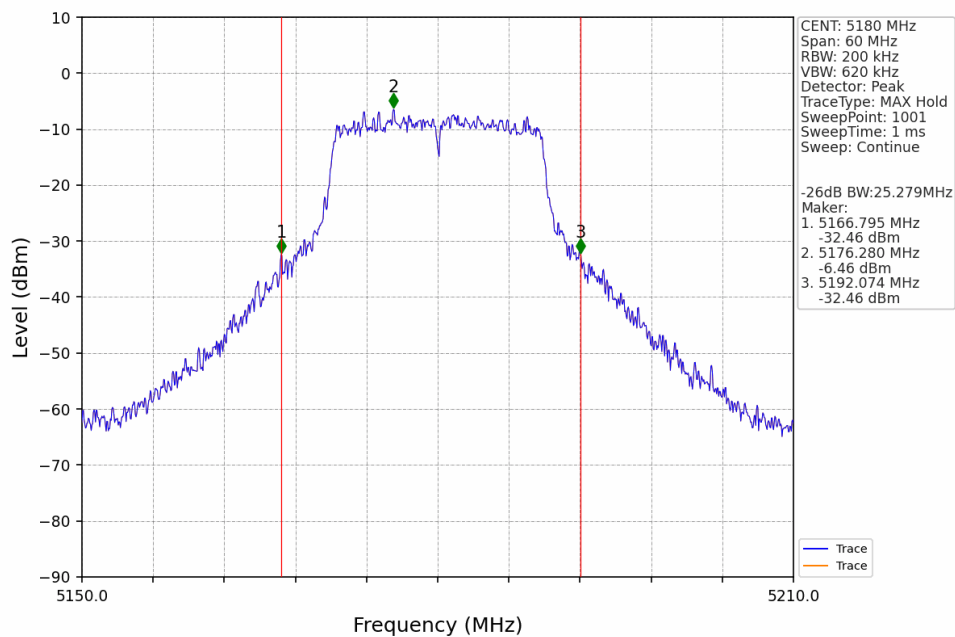
2.2.2 26dB BW



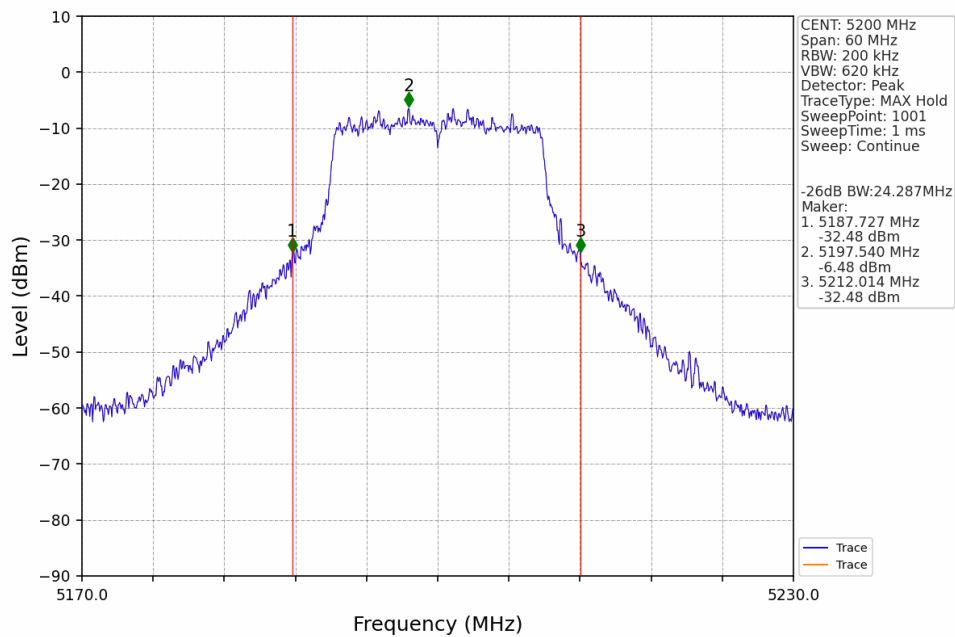
802.11a_HCH_5240MHz_Ant1_NTNV



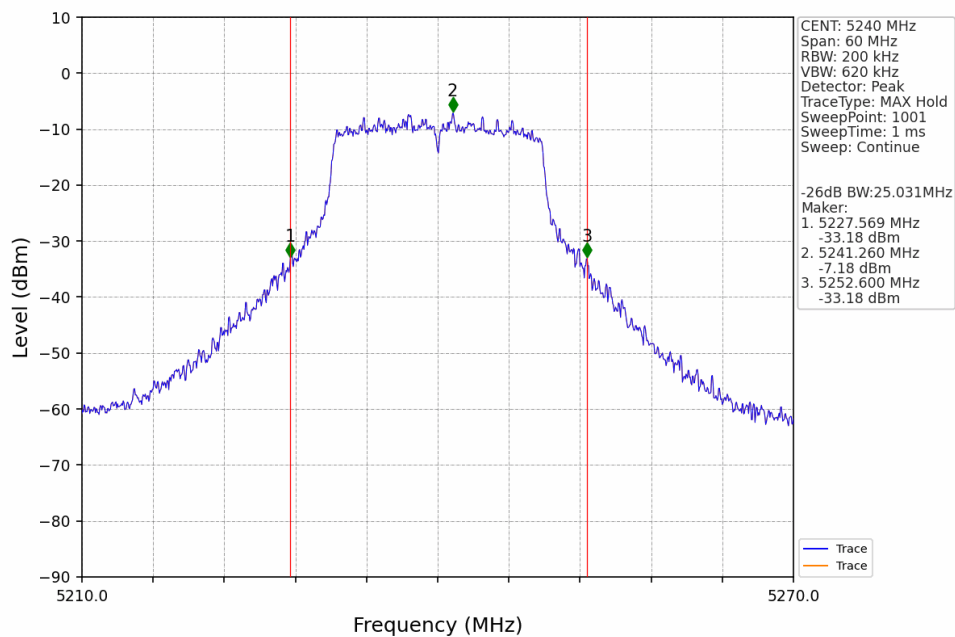
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



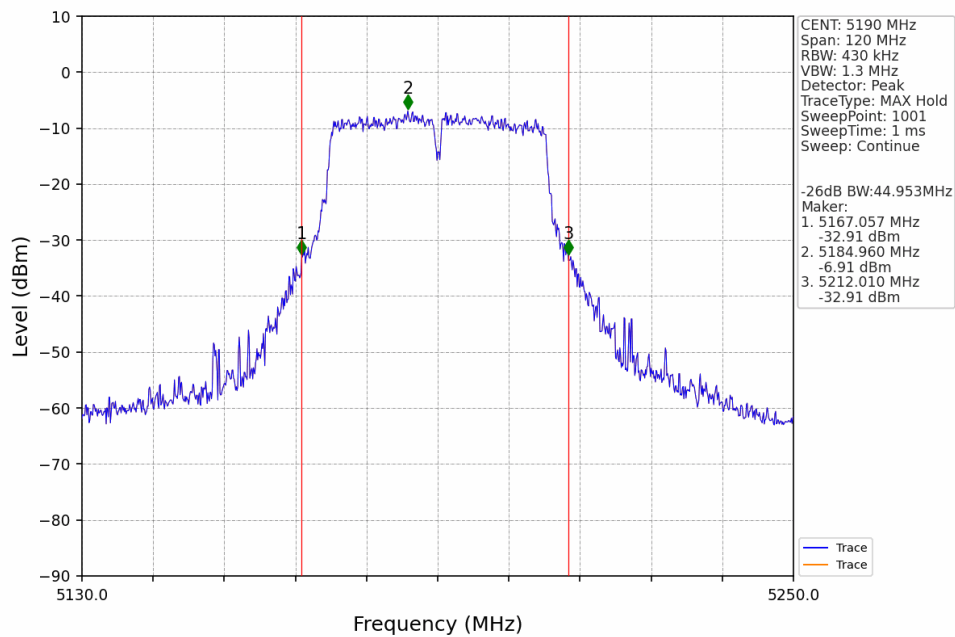
802.11n(HT20) MCH 5200MHz_Ant1_NTNV



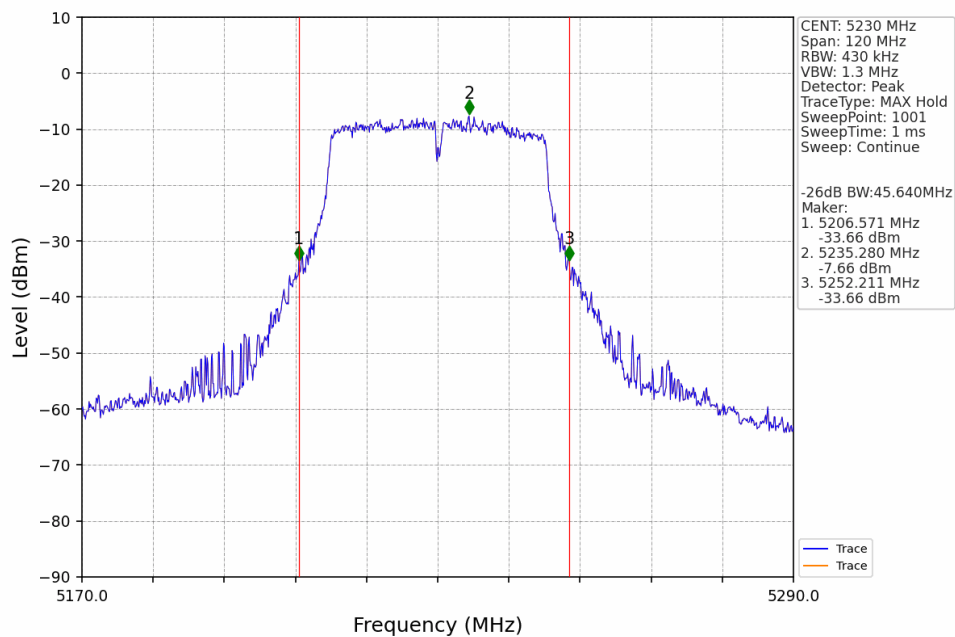
802.11n(HT20) HCH 5240MHz_Ant1_NTNV



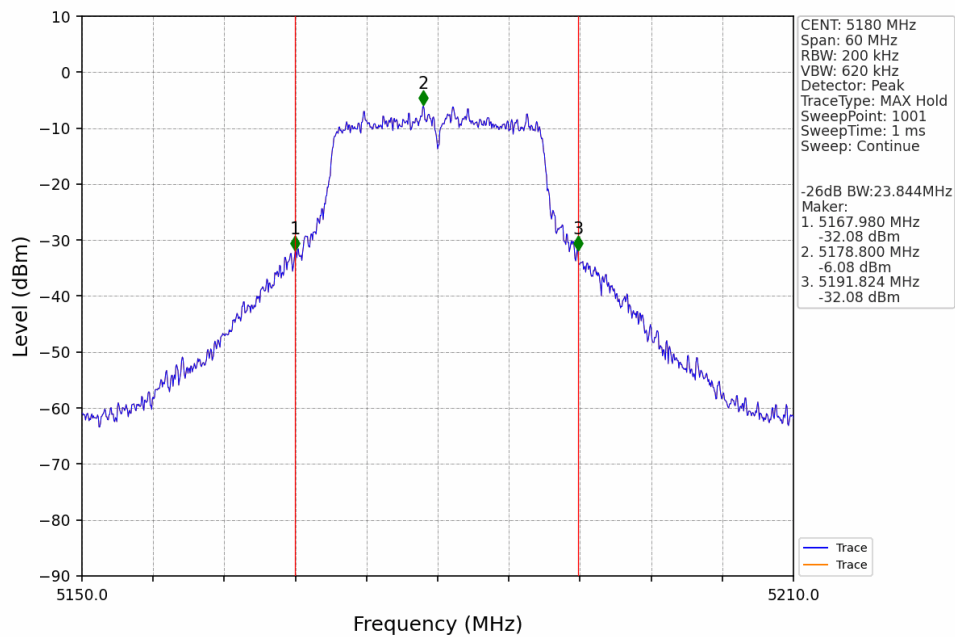
802.11n(HT40) LCH 5190MHz_Ant1_NTNV



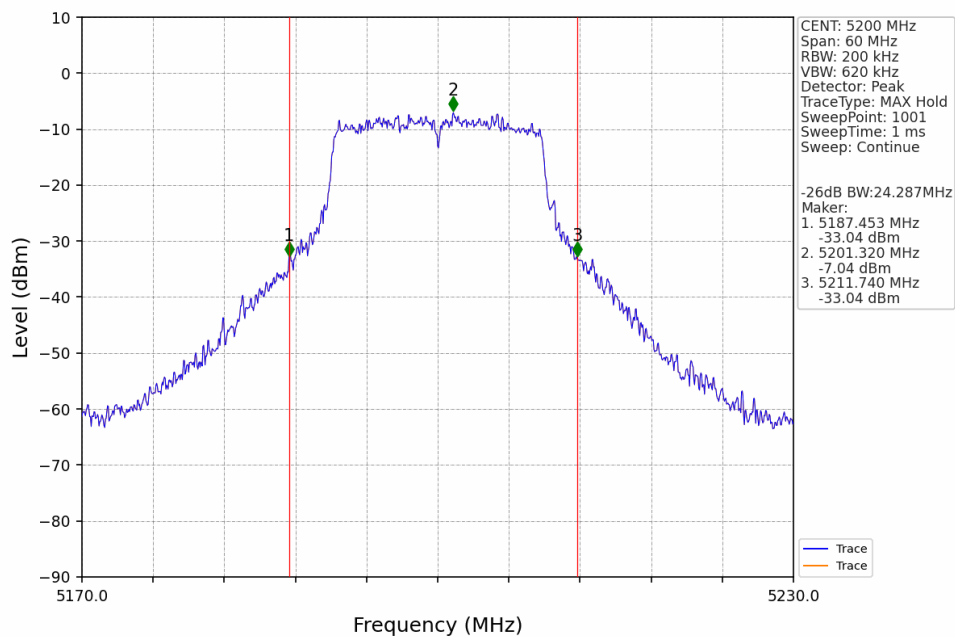
802.11n(HT40) HCH 5230MHz_Ant1_NTNV



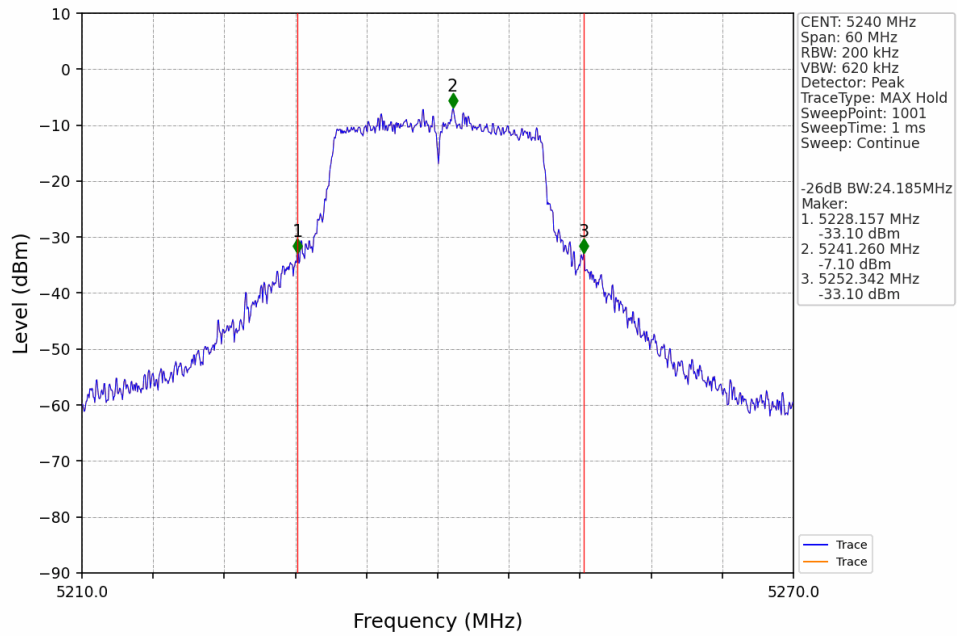
802.11ac(VHT20) LCH_5180MHz_Ant1_NTNV



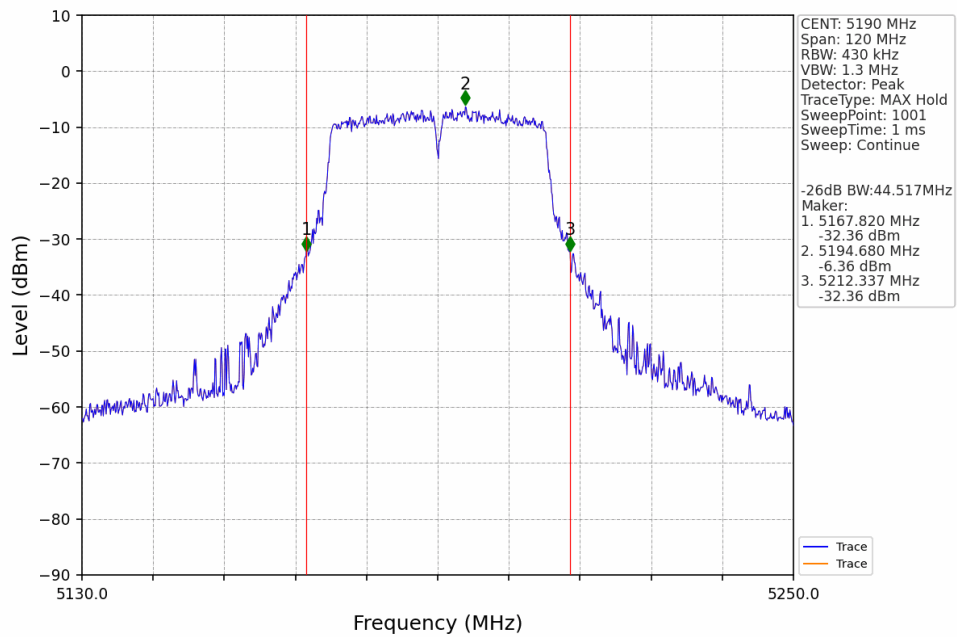
802.11ac(VHT20) MCH_5200MHz_Ant1_NTNV



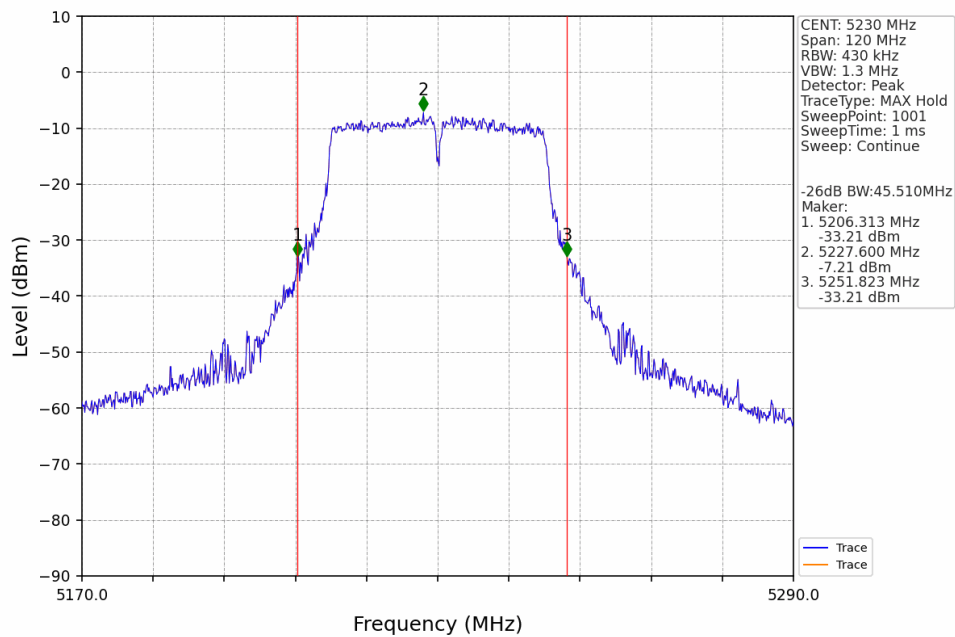
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



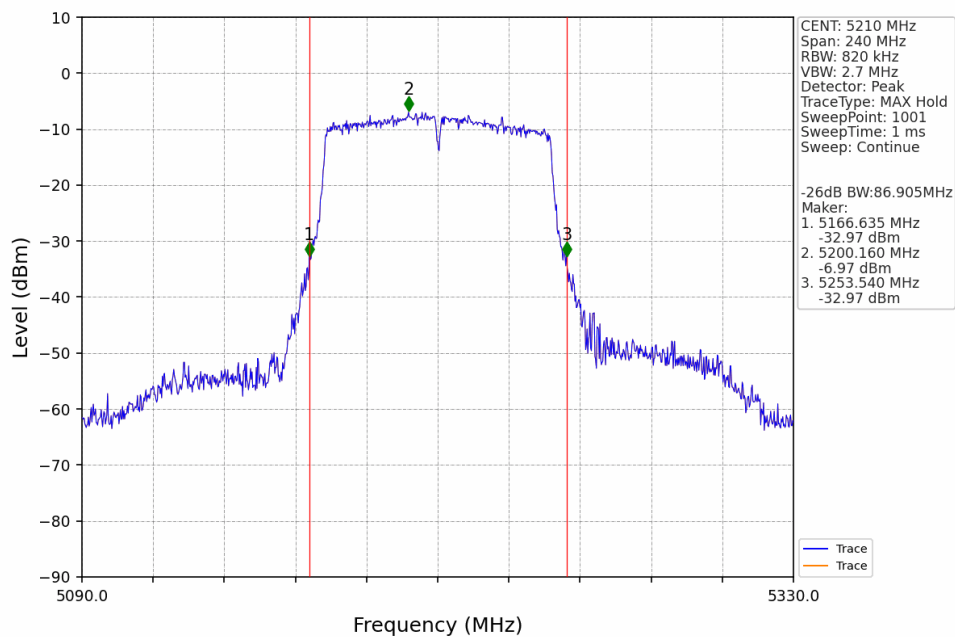
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



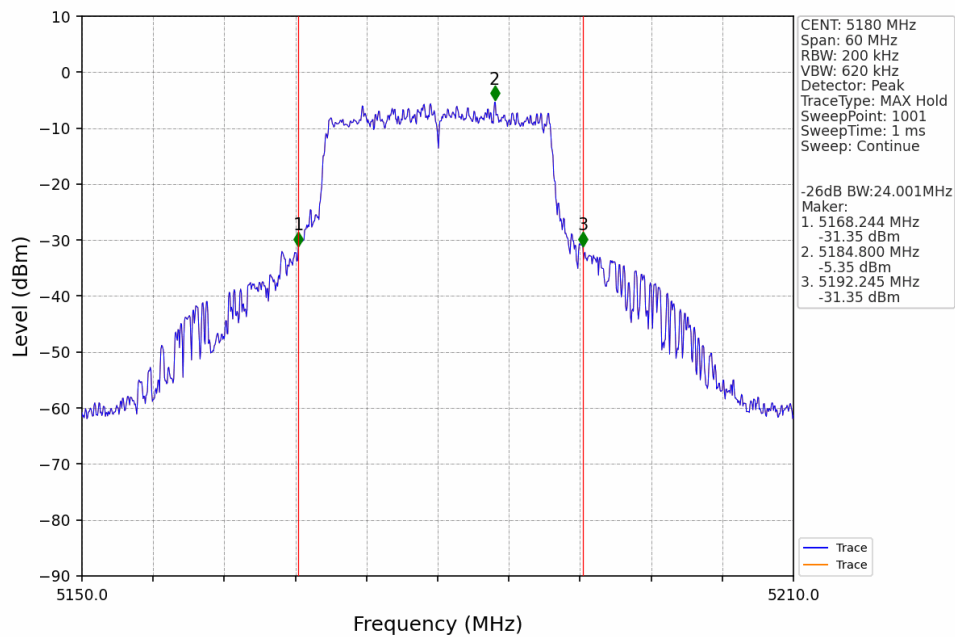
802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



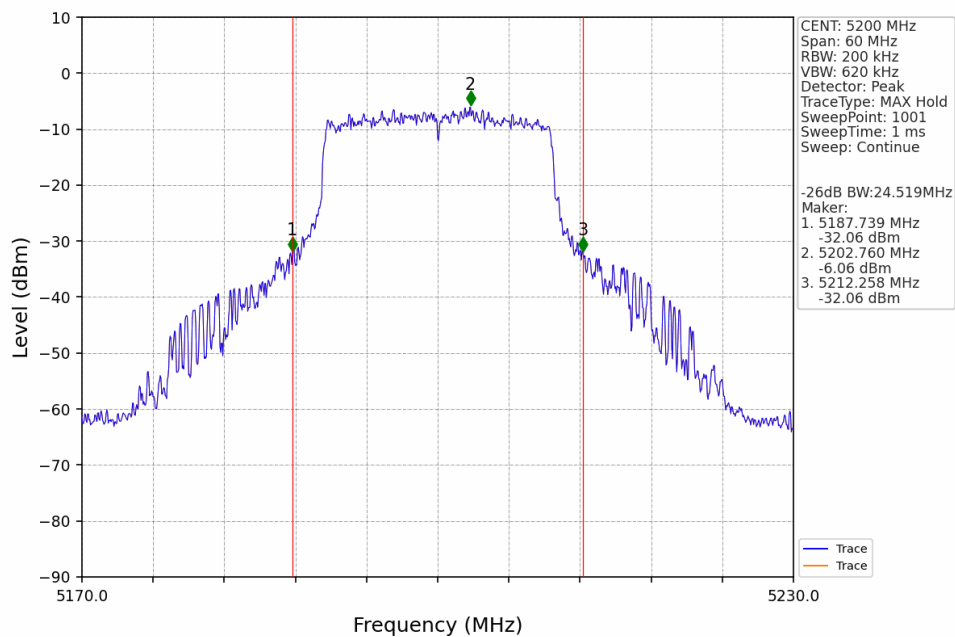
802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



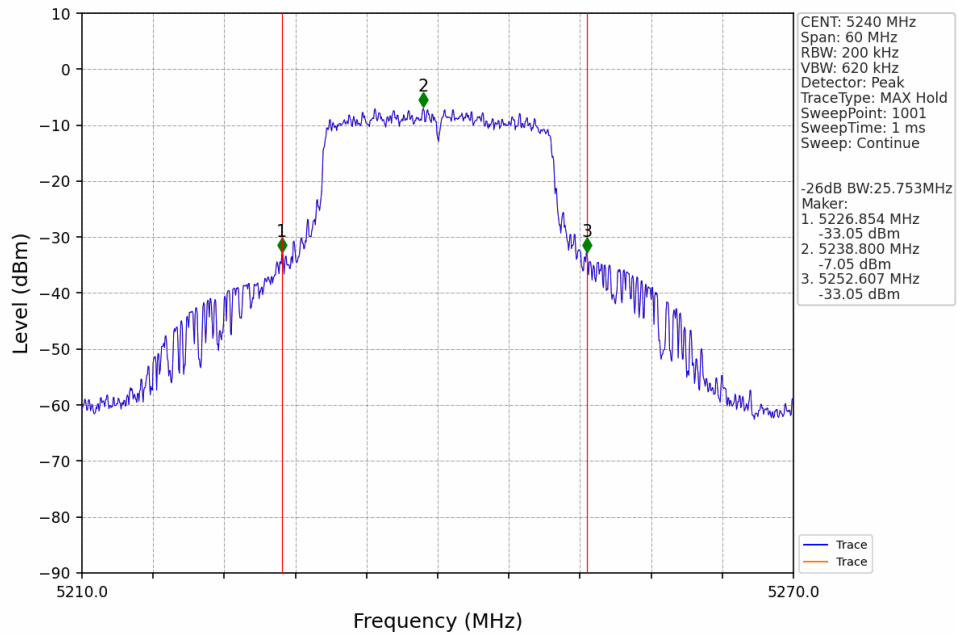
802.11ax(HEW20)_LCH_5180MHz_SU_ / Ant1_NTNV



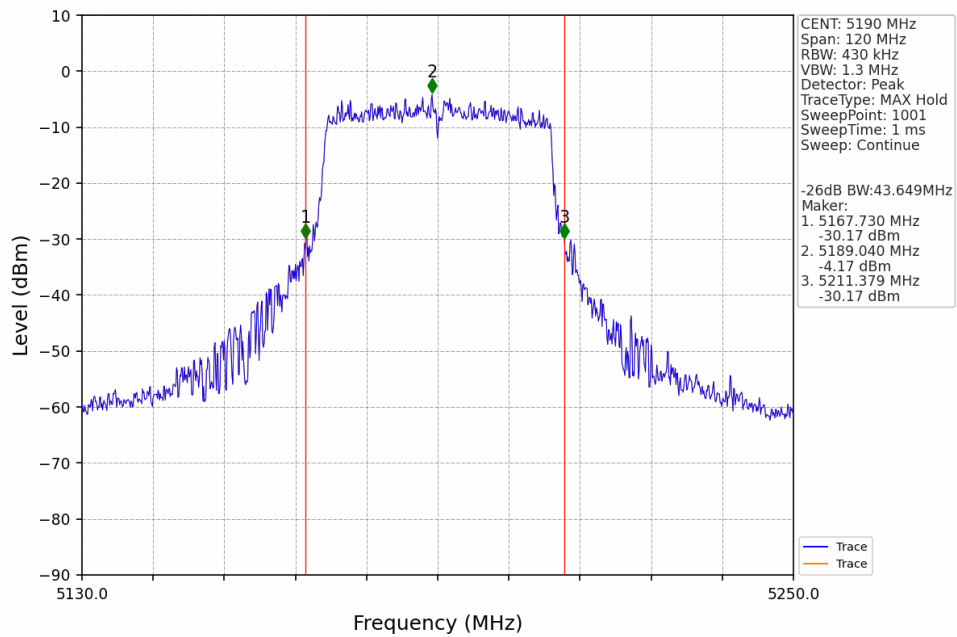
802.11ax(HEW20)_MCH_5200MHz_SU_ / Ant1_NTNV



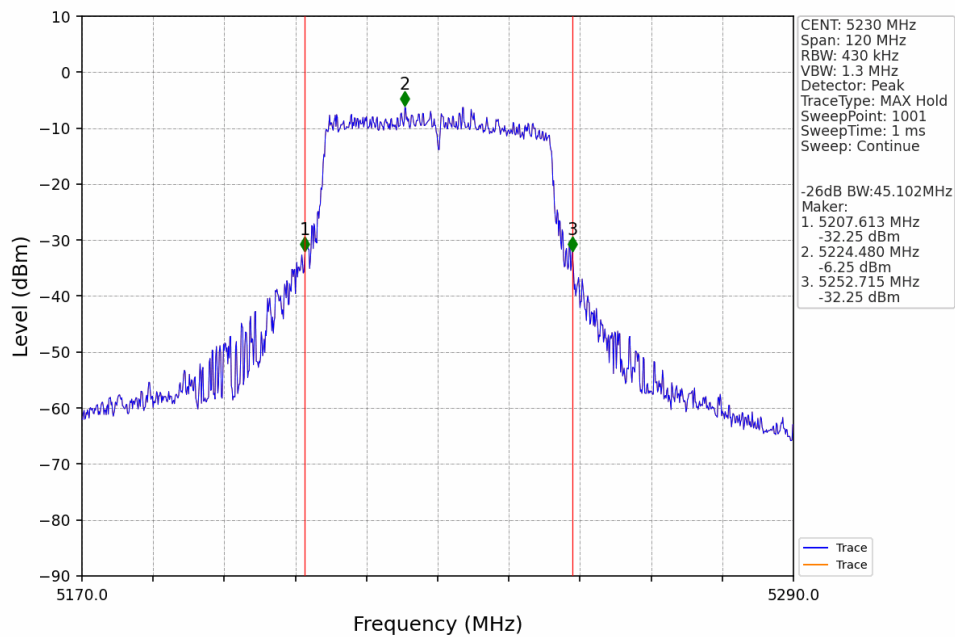
802.11ax(HEW20)_HCH_5240MHz_SU / Ant1_NTNV



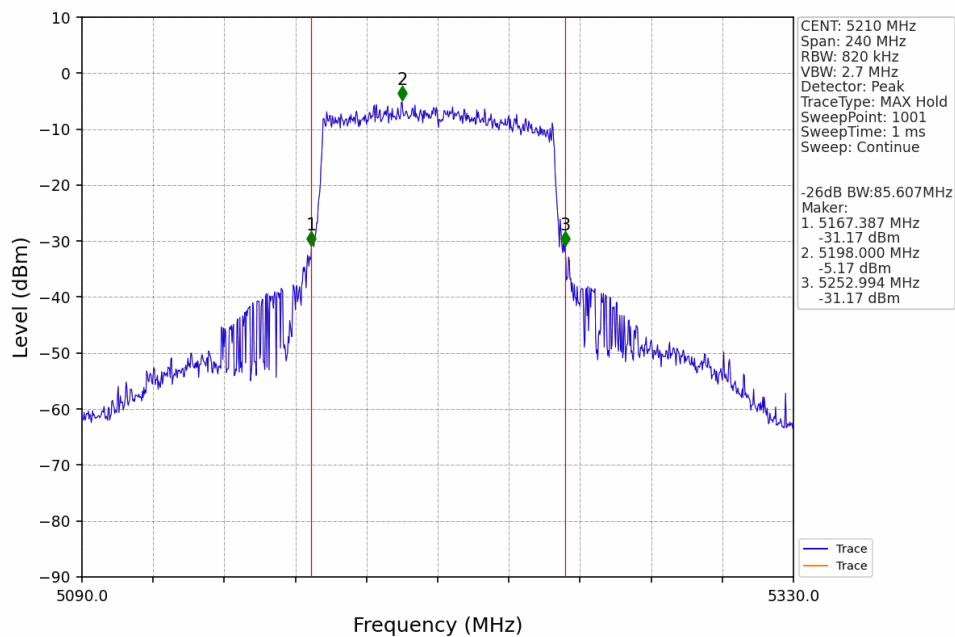
802.11ax(HEW40)_LCH_5190MHz_SU / Ant1_NTNV



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	/	/	3.67	<=23.98	Pass
		5200	/	/	2.70	<=23.98	Pass
		5240	/	/	1.47	<=23.98	Pass
802.11n (HT20)	SISO	5180	/	/	4.11	<=23.98	Pass
		5200	/	/	4.53	<=23.98	Pass
		5240	/	/	3.00	<=23.98	Pass
802.11n (HT40)	SISO	5190	/	/	4.38	<=23.98	Pass
		5230	/	/	3.45	<=23.98	Pass
802.11ac (VHT20)	SISO	5180	/	/	3.33	<=23.98	Pass
		5200	/	/	3.55	<=23.98	Pass
		5240	/	/	3.76	<=23.98	Pass
802.11ac (VHT40)	SISO	5190	/	/	2.95	<=23.98	Pass
		5230	/	/	2.73	<=23.98	Pass
802.11ac (VHT80)	SISO	5210	/	/	3.29	<=23.98	Pass
802.11ax (HEW20)	SISO	5180	SU	/	4.14	<=23.98	Pass
		5200	SU	/	4.76	<=23.98	Pass
		5240	SU	/	2.79	<=23.98	Pass
802.11ax (HEW40)	SISO	5190	SU	/	4.29	<=23.98	Pass
		5230	SU	/	1.97	<=23.98	Pass
802.11ax (HEW80)	SISO	5210	SU	/	4.44	<=23.98	Pass
Note1: Antenna Gain: Ant1: 2.92dBi;							

4. Maximum Power Spectral Density

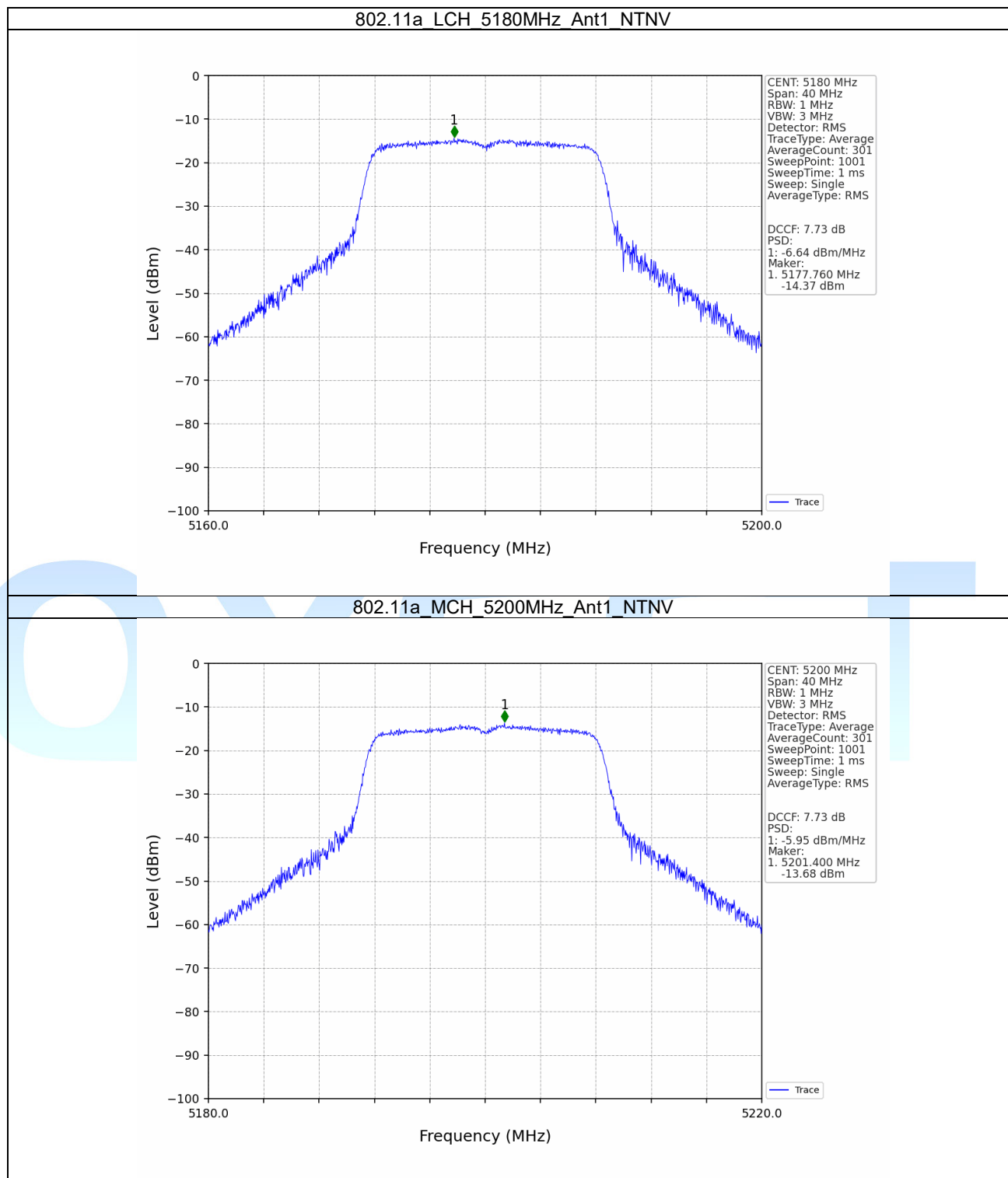
4.1 Test Result

4.1.1 PSD

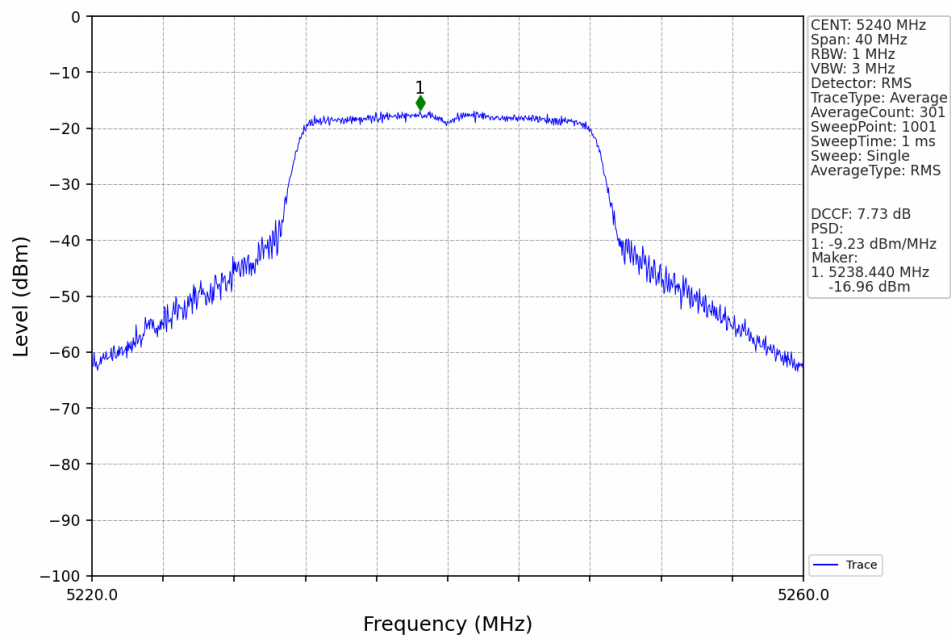
Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum PSD (dBm/MHz)		Verdict
					ANT1	Limit	
802.11a	SISO	5180	/	/	-6.64	≤ 11	Pass
		5200	/	/	-5.95	≤ 11	Pass
		5240	/	/	-9.23	≤ 11	Pass
802.11n (HT20)	SISO	5180	/	/	-6.67	≤ 11	Pass
		5200	/	/	-7.79	≤ 11	Pass
		5240	/	/	-7.35	≤ 11	Pass
802.11n (HT40)	SISO	5190	/	/	-9.43	≤ 11	Pass
		5230	/	/	-10.37	≤ 11	Pass
802.11ac (VHT20)	SISO	5180	/	/	-6.04	≤ 11	Pass
		5200	/	/	-6.19	≤ 11	Pass
		5240	/	/	-7.72	≤ 11	Pass
802.11ac (VHT40)	SISO	5190	/	/	-9.58	≤ 11	Pass
		5230	/	/	-11.58	≤ 11	Pass
802.11ac (VHT80)	SISO	5210	/	/	-12.16	≤ 11	Pass
802.11ax (HEW20)	SISO	5180	SU	/	-7.66	≤ 11	Pass
		5200	SU	/	-6.02	≤ 11	Pass
		5240	SU	/	-9.15	≤ 11	Pass
802.11ax (HEW40)	SISO	5190	SU	/	-8.74	≤ 11	Pass
		5230	SU	/	-11.42	≤ 11	Pass
802.11ax (HEW80)	SISO	5210	SU	/	-11.79	≤ 11	Pass
Note1: Antenna Gain: Ant1: 2.92dBi; Note2: Test result contains DCCF							

4.2 Test Graph

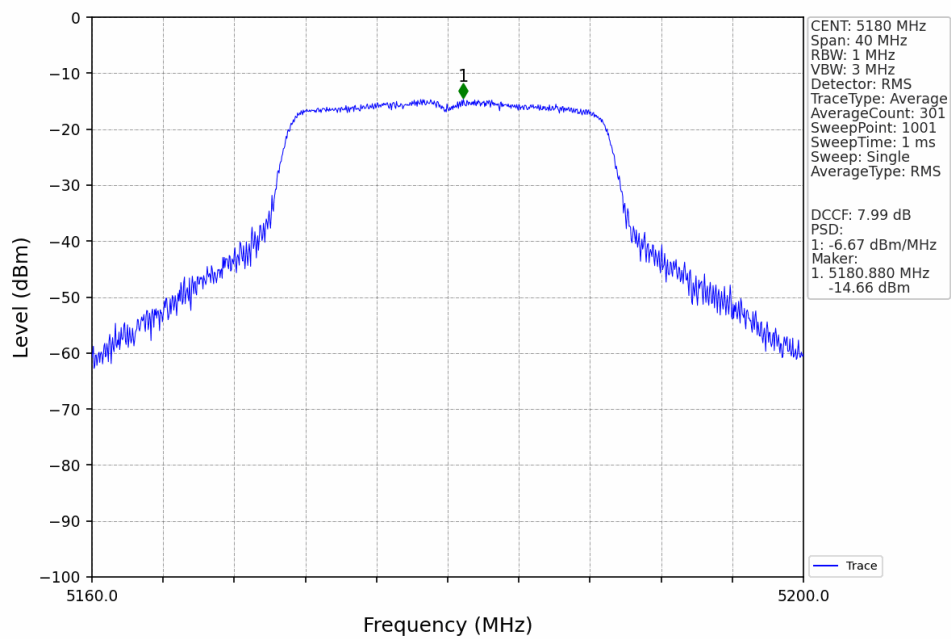
4.2.1 PSD



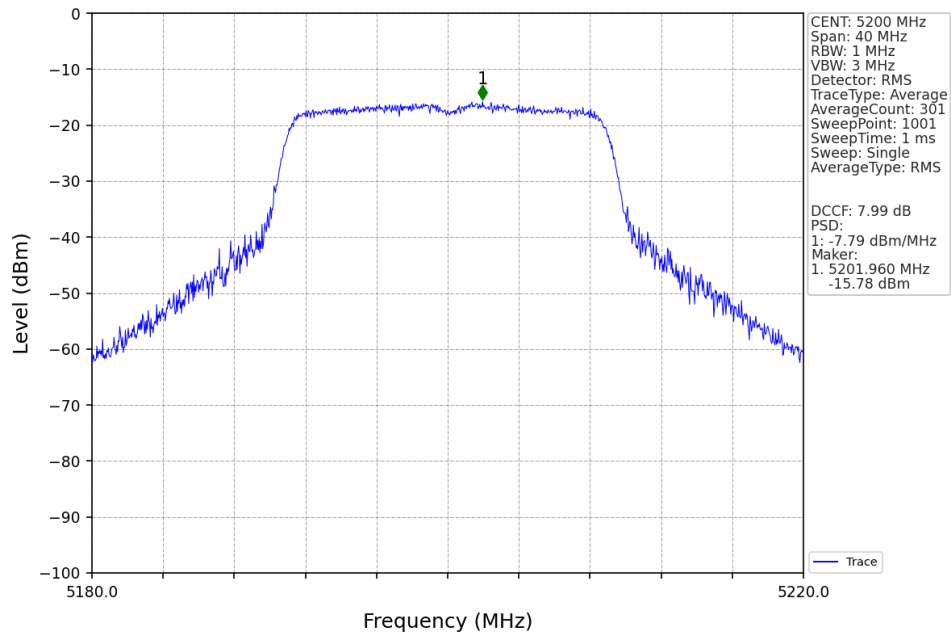
802.11a_HCH_5240MHz_Ant1_NTNV



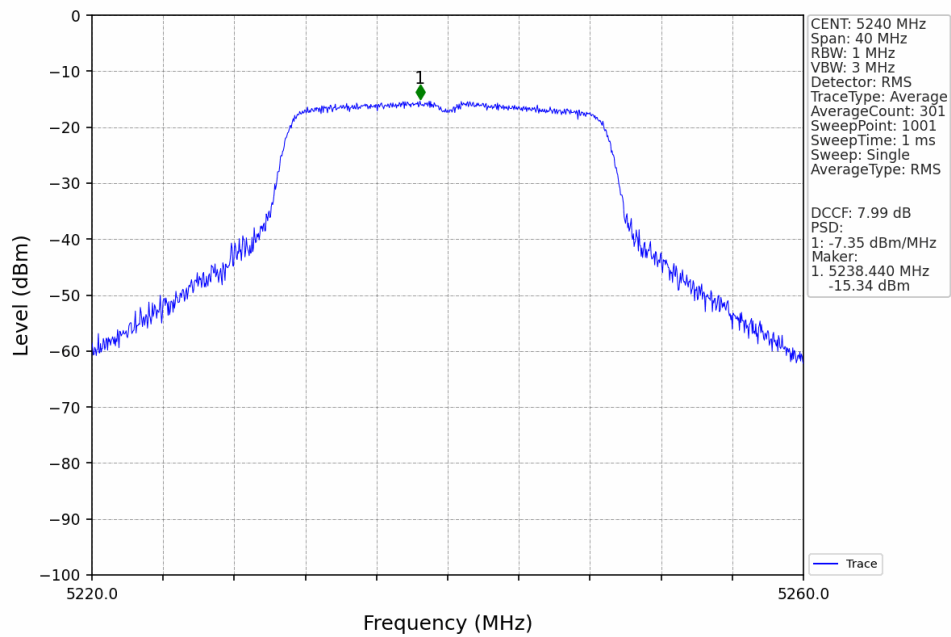
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



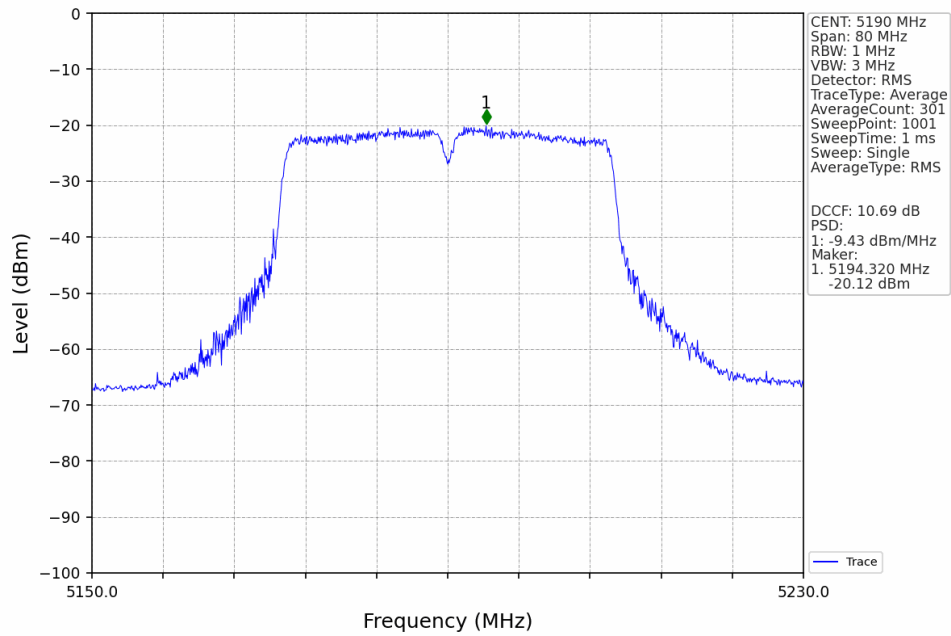
802.11n(HT20) MCH 5200MHz_Ant1_NTNV



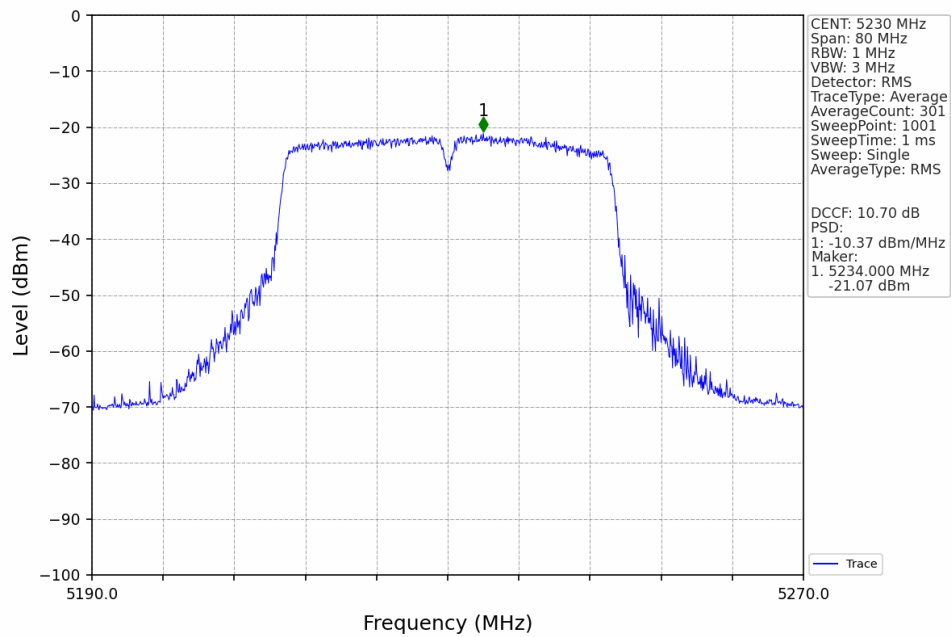
802.11n(HT20) HCH 5240MHz_Ant1_NTNV



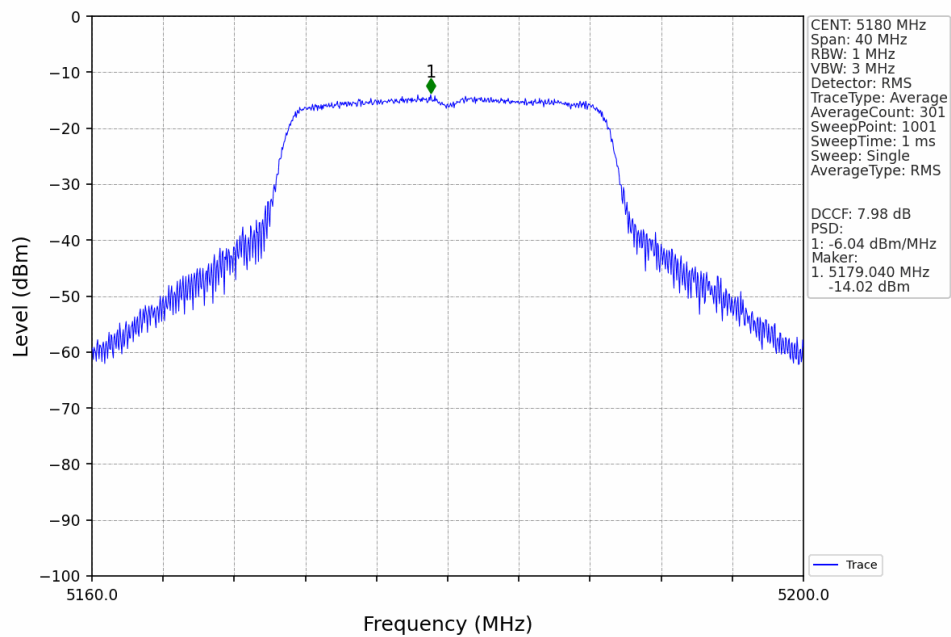
802.11n(HT40) LCH 5190MHz_Ant1_NTNV



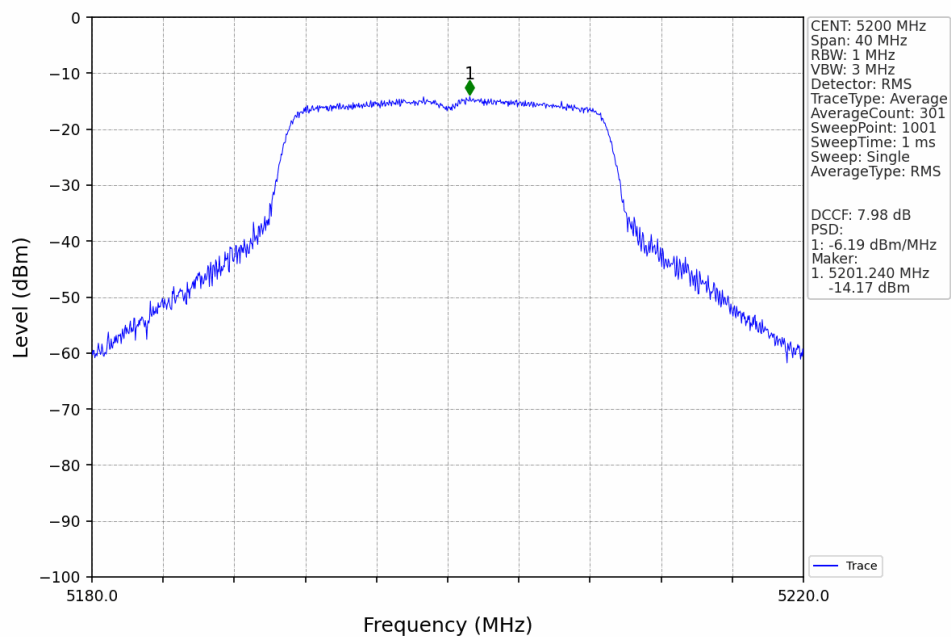
802.11n(HT40) HCH 5230MHz_Ant1_NTNV



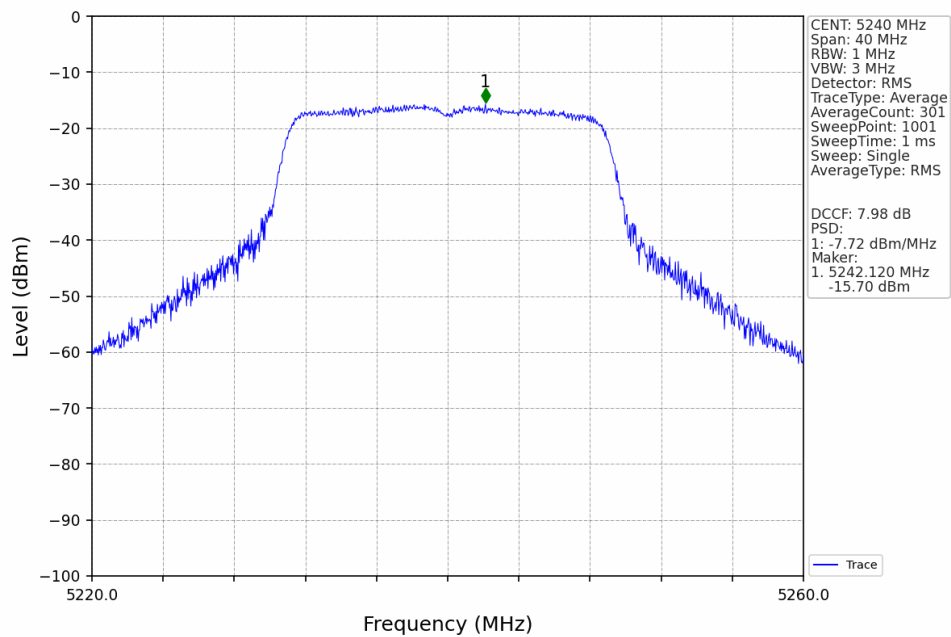
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



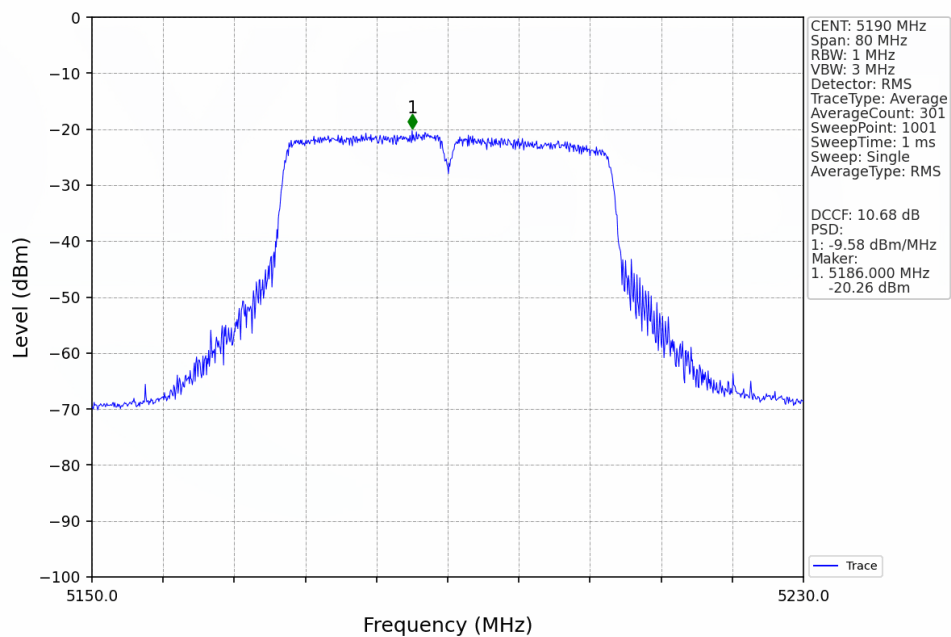
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



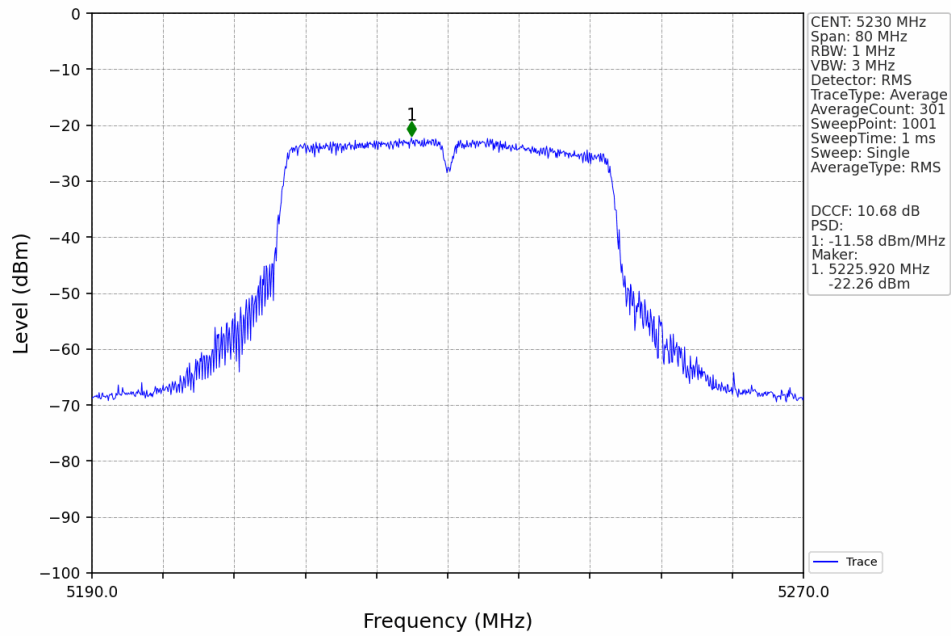
802.11ac(VHT20) HCH 5240MHz_Ant1_NTNV



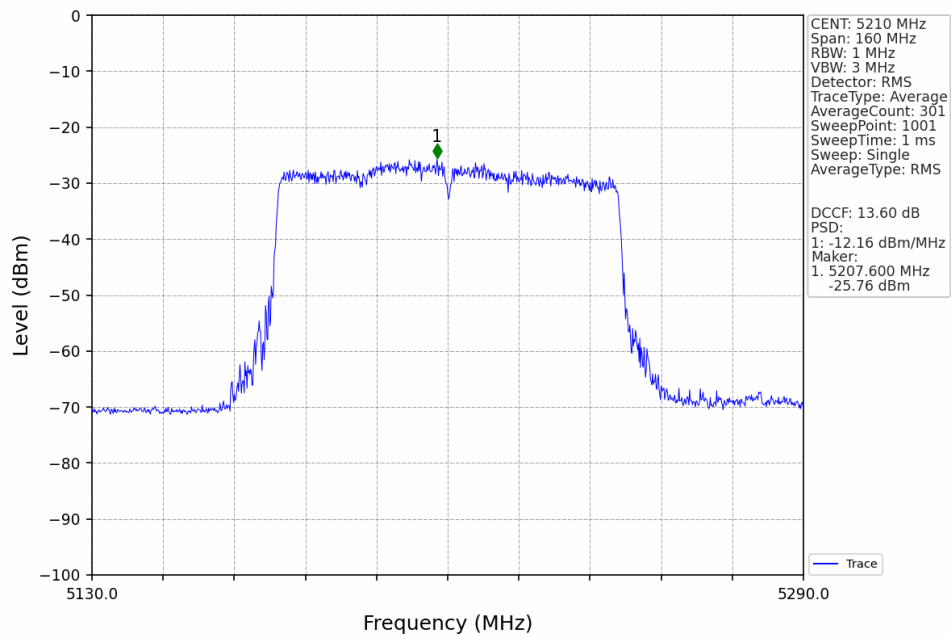
802.11ac(VHT40) LCH 5190MHz_Ant1_NTNV



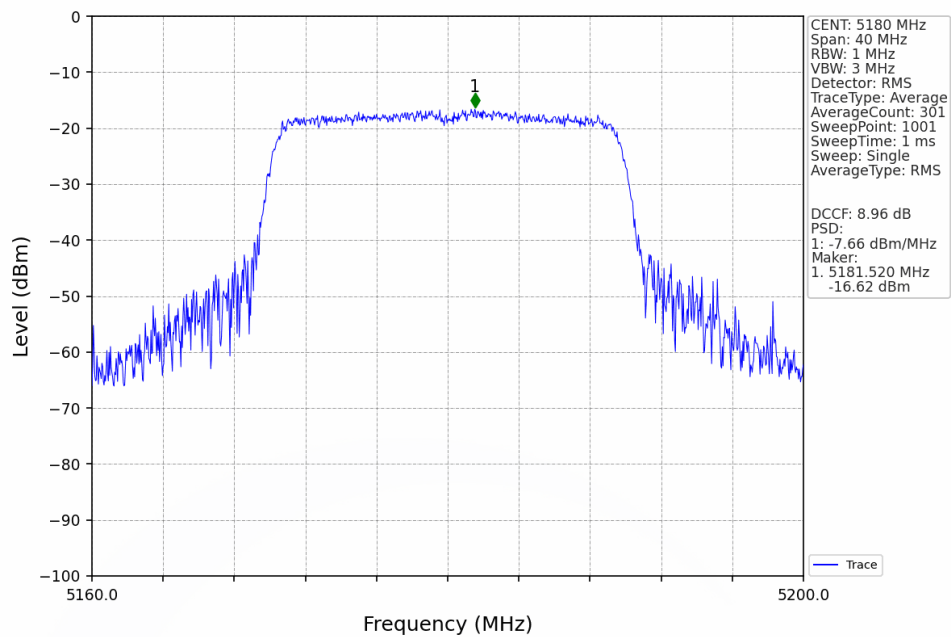
802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



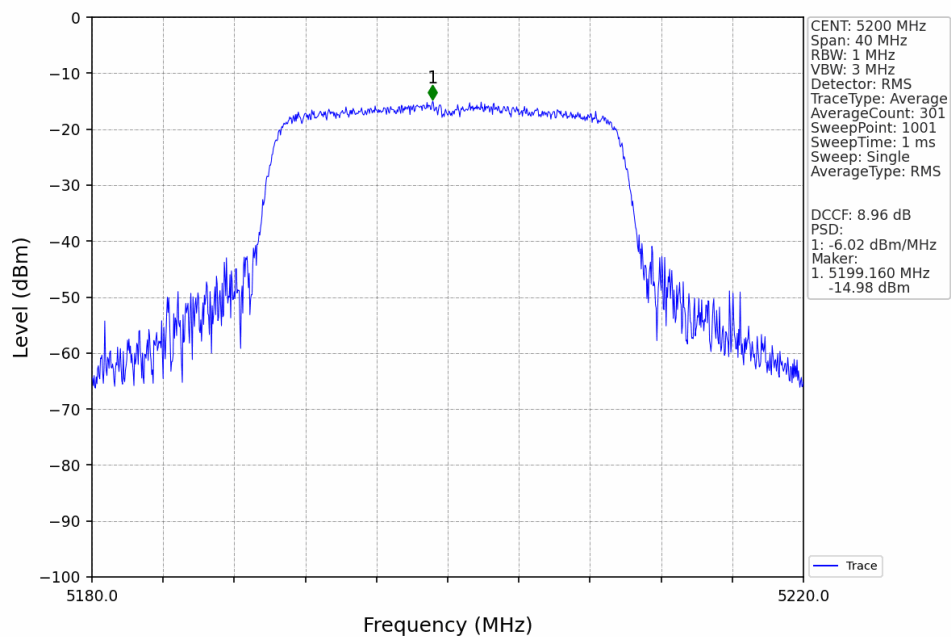
802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



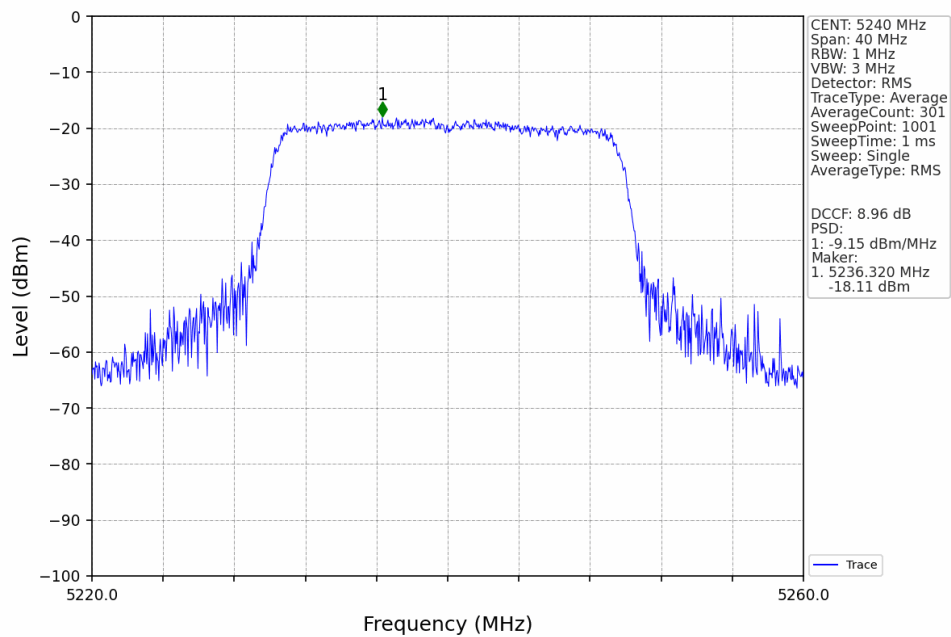
802.11ax(HEW20)_LCH_5180MHz_SU_ / Ant1_NTNV



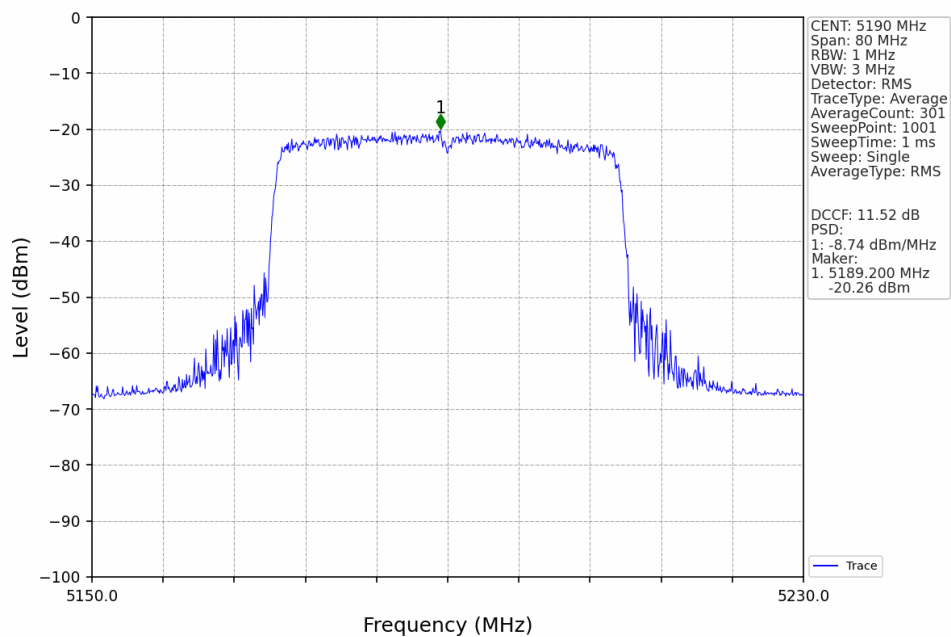
802.11ax(HEW20)_MCH_5200MHz_SU_ / Ant1_NTNV



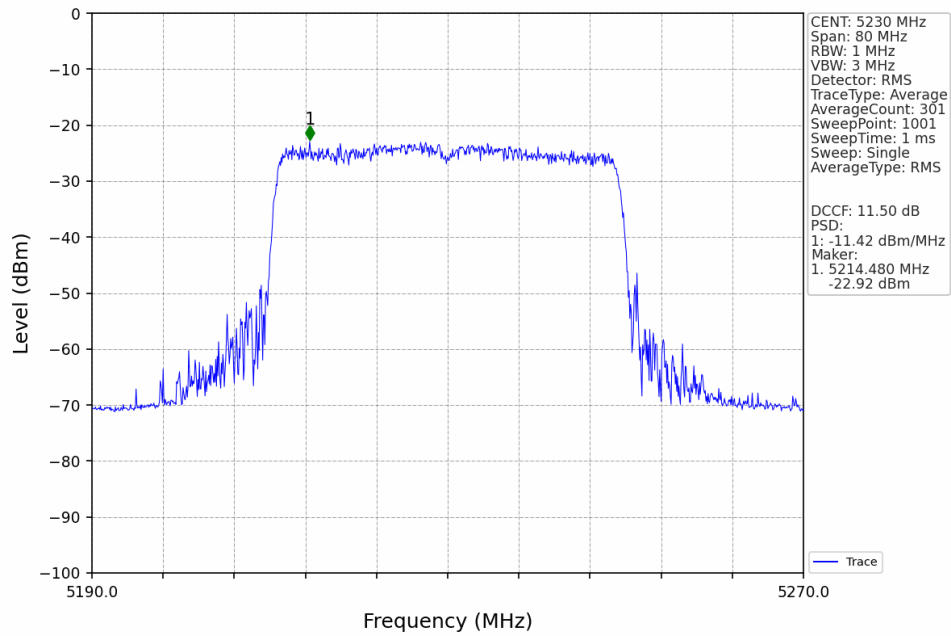
802.11ax(HEW20)_HCH_5240MHz_SU_ / Ant1_NTNV



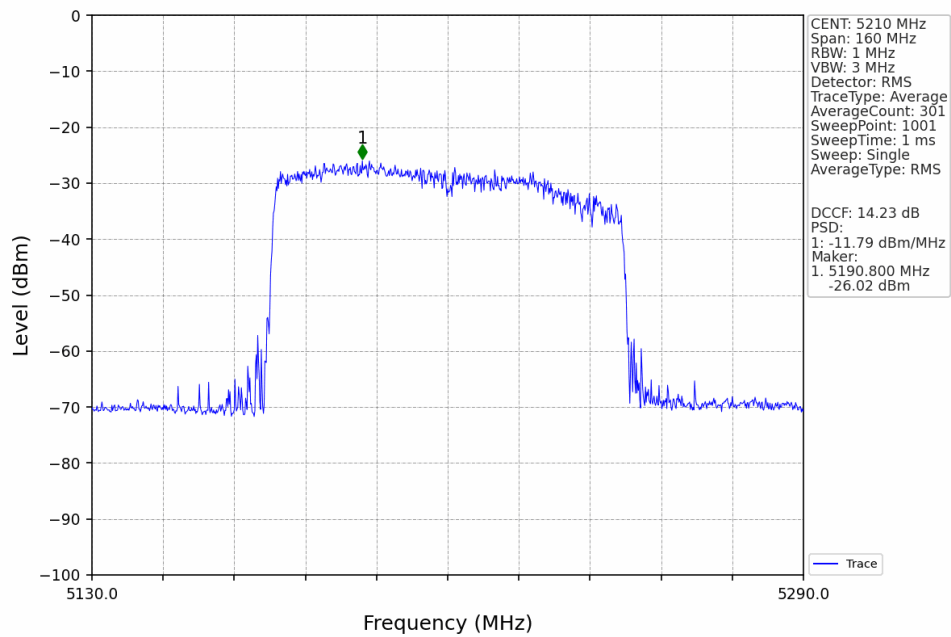
802.11ax(HEW40)_LCH_5190MHz_SU_ / Ant1_NTNV



802.11ax(HEW40)_HCH_5230MHz_SU / Ant1_NTNV



802.11ax(HEW80)_MCH_5210MHz_SU / Ant1_NTNV



5. Unwanted Emissions In Restricted Frequency Bands

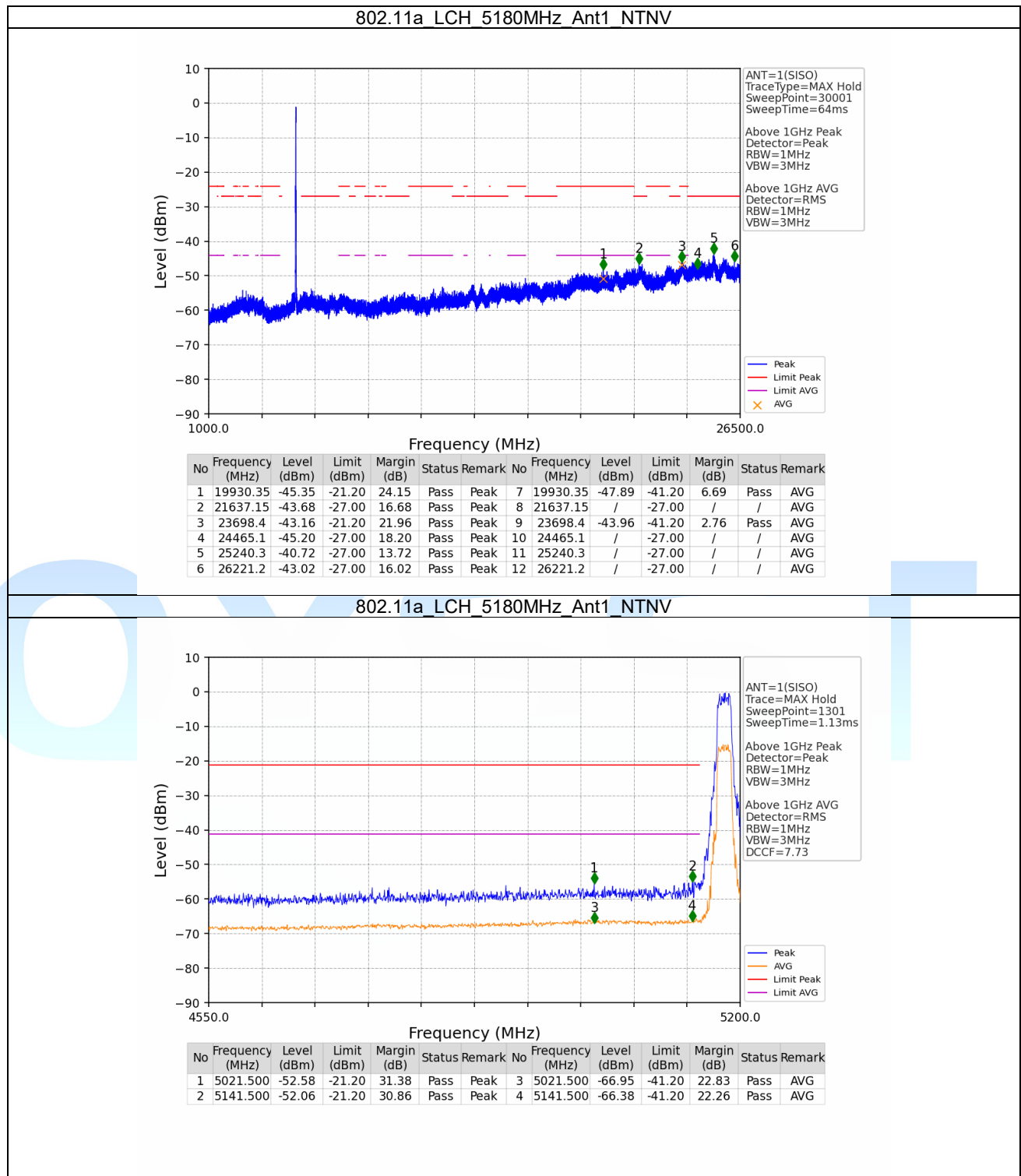
5.1 Test Result

5.1.1 RSE

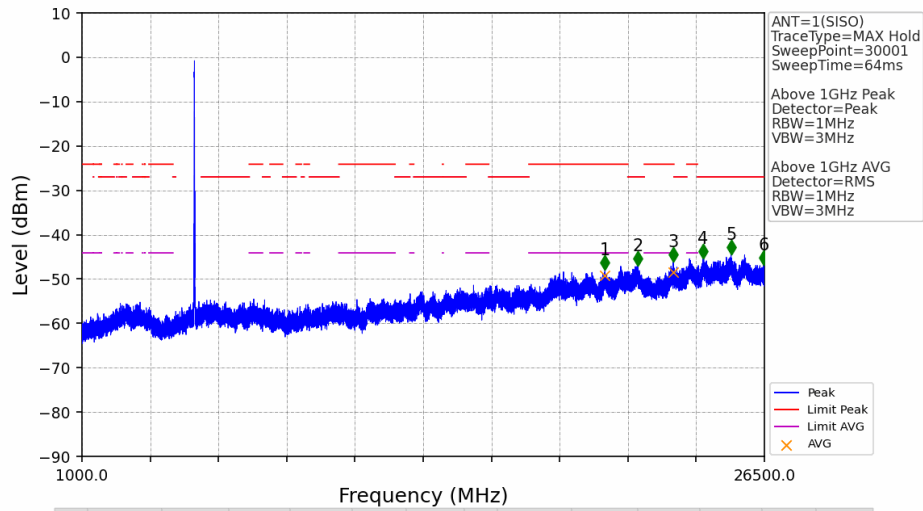
Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	Level of Unwanted Emissions (dBm)		Verdict
						Result	Limit	
802.11a	SISO	5180	/	/	1	Refer To Test Graph		Pass
		5200	/	/	1	Refer To Test Graph		Pass
		5240	/	/	1	Refer To Test Graph		Pass
802.11n (HT20)	SISO	5180	/	/	1	Refer To Test Graph		Pass
		5200	/	/	1	Refer To Test Graph		Pass
		5240	/	/	1	Refer To Test Graph		Pass
802.11n (HT40)	SISO	5190	/	/	1	Refer To Test Graph		Pass
		5230	/	/	1	Refer To Test Graph		Pass
802.11ac (VHT20)	SISO	5180	/	/	1	Refer To Test Graph		Pass
		5200	/	/	1	Refer To Test Graph		Pass
		5240	/	/	1	Refer To Test Graph		Pass
802.11ac (VHT40)	SISO	5190	/	/	1	Refer To Test Graph		Pass
		5230	/	/	1	Refer To Test Graph		Pass
802.11ac (VHT80)	SISO	5210	/	/	1	Refer To Test Graph		Pass
802.11ax (HEW20)	SISO	5180	SU	/	1	Refer To Test Graph		Pass
		5200	SU	/	1	Refer To Test Graph		Pass
		5240	SU	/	1	Refer To Test Graph		Pass
802.11ax (HEW40)	SISO	5190	SU	/	1	Refer To Test Graph		Pass
		5230	SU	/	1	Refer To Test Graph		Pass
802.11ax (HEW80)	SISO	5210	SU	/	1	Refer To Test Graph		Pass
Note1: level contains DCCF and antenna gain								
Note2: Margin=Limit- level								

5.2 Test Graph

5.2.1 RSE

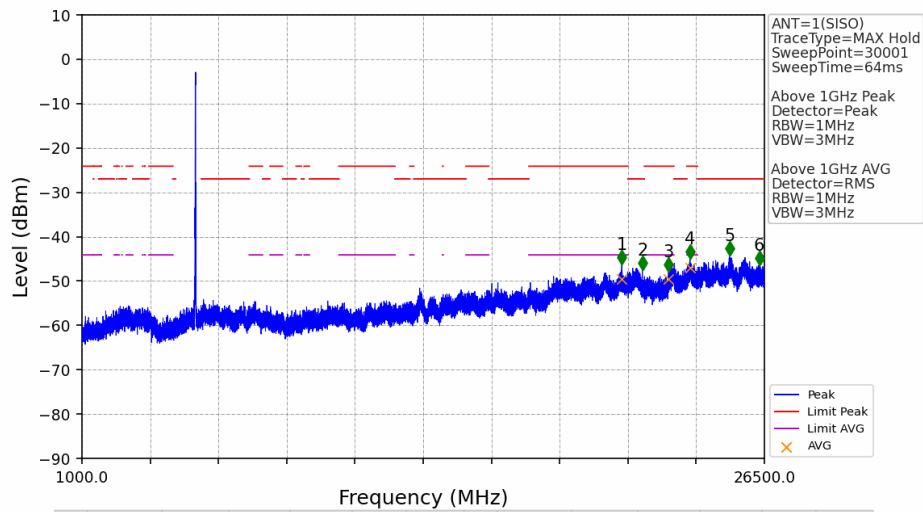


802.11a_MCH_5200MHz_Ant1_NTNV



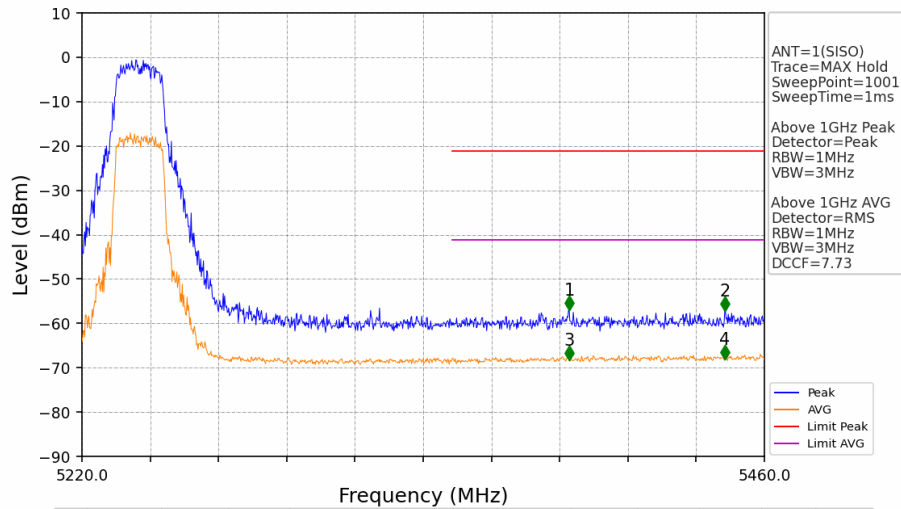
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark
1	20540.65	-45.01	-21.20	23.81	Pass Peak	7	20540.65	-46.23	-41.20	5.03	Pass AVG
2	21768.05	-44.10	-27.00	17.10	Pass Peak	8	21768.05	/	-27.00	/	/ AVG
3	23088.95	-43.21	-21.20	22.01	Pass Peak	9	23088.95	-45.58	-41.20	4.38	Pass AVG
4	24206.7	-42.38	-27.00	15.38	Pass Peak	10	24206.7	/	-27.00	/	/ AVG
5	25252.2	-41.52	-27.00	14.52	Pass Peak	11	25252.2	/	-27.00	/	/ AVG
6	26467.7	-43.84	-27.00	16.84	Pass Peak	12	26467.7	/	-27.00	/	/ AVG

802.11a_HCH_5240MHz_Ant1_NTNV

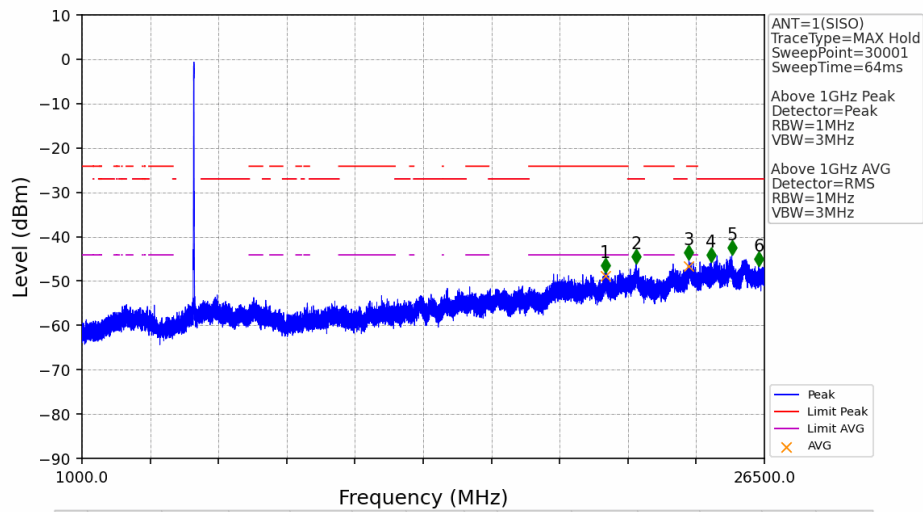


No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark
1	21170.5	-43.33	-21.20	22.13	Pass Peak	7	21170.5	-46.64	-41.20	5.44	Pass AVG
2	21938.9	-44.64	-27.00	17.64	Pass Peak	8	21938.9	/	-27.00	/	/ AVG
3	22917.25	-45.03	-21.20	23.83	Pass Peak	9	22917.25	-46.65	-41.20	5.45	Pass AVG
4	23718.8	-41.95	-21.20	20.75	Pass Peak	10	23718.8	-44.17	-41.20	2.97	Pass AVG
5	25190.15	-41.31	-27.00	14.31	Pass Peak	11	25190.15	/	-27.00	/	/ AVG
6	26305.35	-43.55	-27.00	16.55	Pass Peak	12	26305.35	/	-27.00	/	/ AVG

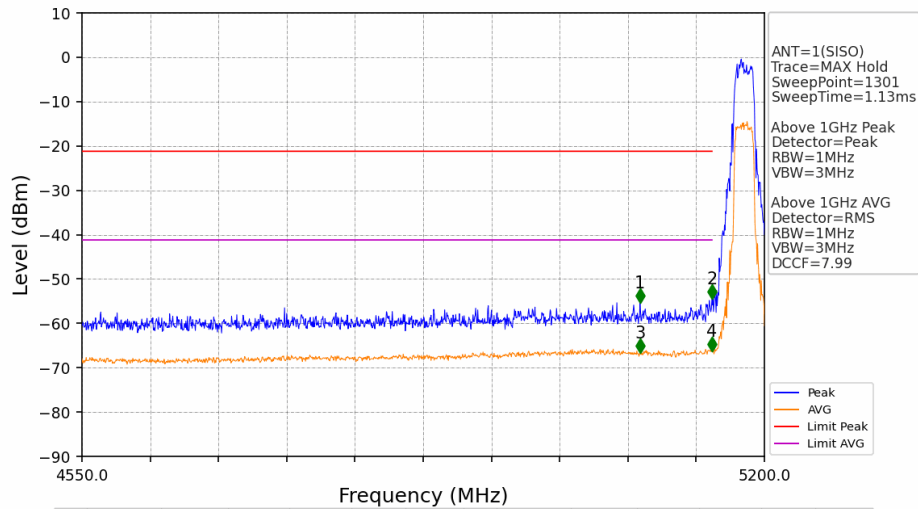
802.11a_HCH_5240MHz_Ant1_NTNV



802.11n(HT20)_LCH_5180MHz_Ant1_NTNV

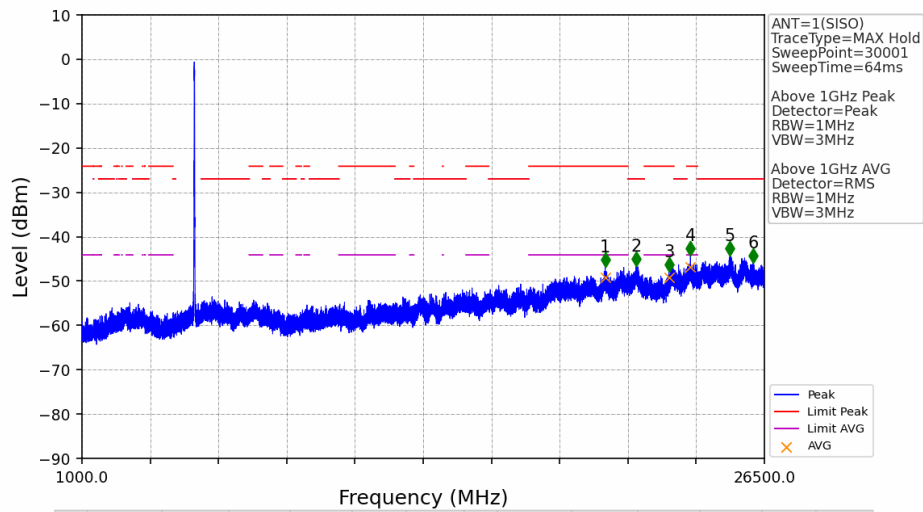


802.11n(HT20) LCH_5180MHz_Ant1_NTNV



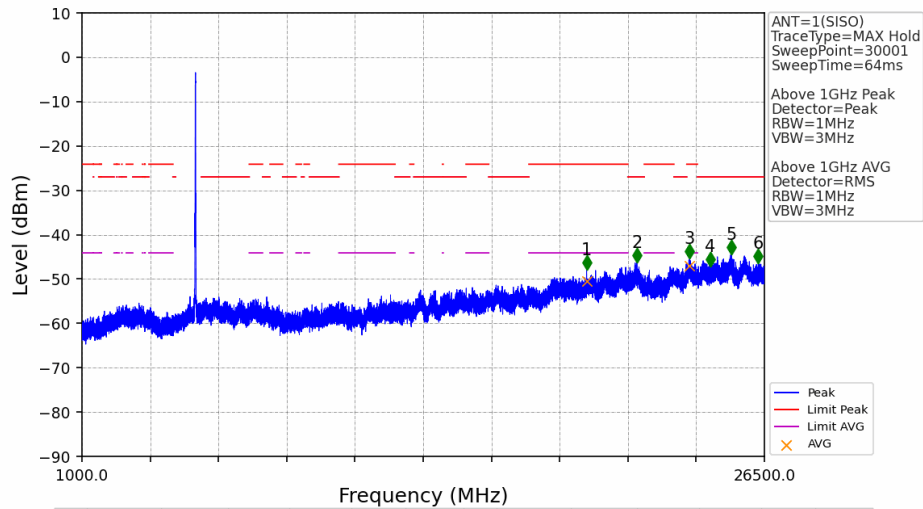
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5081.500	-52.43	-21.20	31.23	Pass	Peak	3	5081.500	-66.64	-41.20	22.52	Pass	AVG
2	5150.000	-51.53	-21.20	30.34	Pass	Peak	4	5150.000	-66.24	-41.20	22.12	Pass	AVG

802.11n(HT20) MCH_5200MHz_Ant1_NTNV



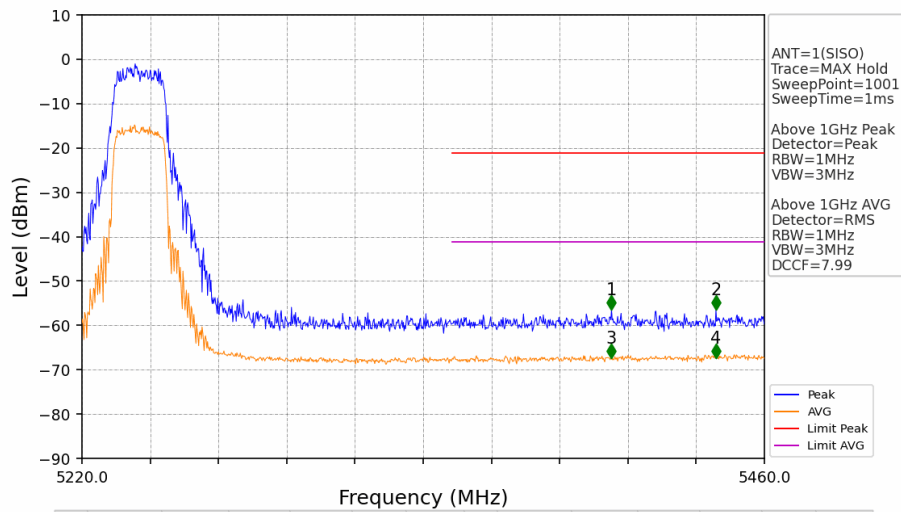
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	20550.85	-43.86	-21.20	22.66	Pass	Peak	7	20550.85	-46.22	-41.20	5.02	Pass	AVG
2	21697.5	-43.75	-27.00	16.75	Pass	Peak	8	21697.5	/	-27.00	/	/	AVG
3	22933.4	-44.95	-21.20	23.75	Pass	Peak	9	22933.4	-46.26	-41.20	5.06	Pass	AVG
4	23736.65	-41.38	-21.20	20.18	Pass	Peak	10	23736.65	-43.87	-41.20	2.67	Pass	AVG
5	25210.55	-41.36	-27.00	14.36	Pass	Peak	11	25210.55	/	-27.00	/	/	AVG
6	26071.6	-42.95	-27.00	15.95	Pass	Peak	12	26071.6	/	-27.00	/	/	AVG

802.11n(HT20) HCH 5240MHz_Ant1_NTNV



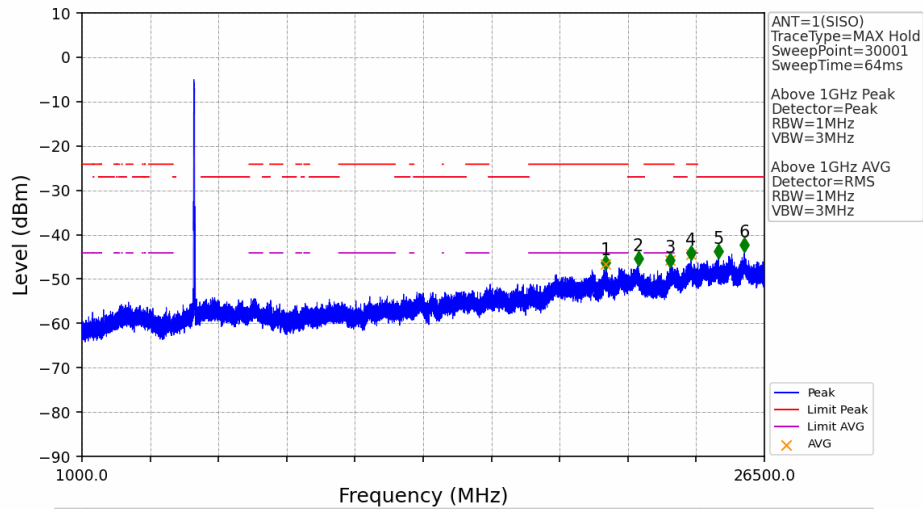
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	19855.55	-44.90	-21.20	23.70	Pass	Peak	7	19855.55	-47.47	-41.20	6.27	Pass	AVG
2	21734.9	-43.34	-27.00	16.34	Pass	Peak	8	21734.9	/	-27.00	/	/	AVG
3	23707.75	-42.48	-21.20	21.28	Pass	Peak	9	23707.75	-44.00	-41.20	2.80	Pass	AVG
4	24474.45	-44.29	-27.00	17.29	Pass	Peak	10	24474.45	/	-27.00	/	/	AVG
5	25263.25	-41.57	-27.00	14.57	Pass	Peak	11	25263.25	/	-27.00	/	/	AVG
6	26269.65	-43.56	-27.00	16.56	Pass	Peak	12	26269.65	/	-27.00	/	/	AVG

802.11n(HT20) HCH 5240MHz_Ant1_NTNV



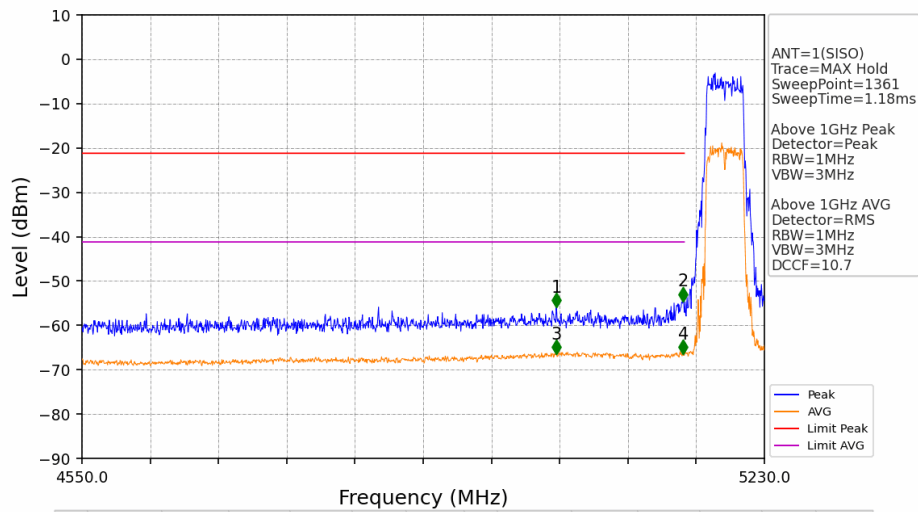
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5406.240	-53.59	-21.20	32.39	Pass	Peak	3	5406.240	-67.41	-41.20	23.29	Pass	AVG
2	5442.960	-53.52	-21.20	32.32	Pass	Peak	4	5442.960	-67.43	-41.20	23.31	Pass	AVG

802.11n(HT40) LCH 5190MHz_Ant1_NTNV



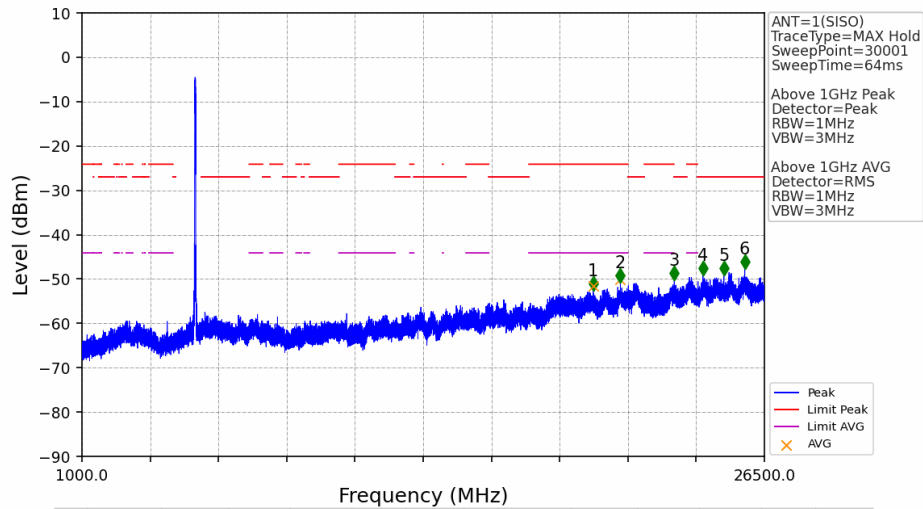
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	20568.7	-44.88	-21.20	23.68	Pass	Peak	7	20568.7	-43.78	-41.20	2.58	Pass	AVG
2	21785.05	-43.98	-27.00	16.98	Pass	Peak	8	21785.05	/	-27.00	/	/	AVG
3	22981.85	-44.32	-21.20	23.12	Pass	Peak	9	22981.85	-42.79	-41.20	1.59	Pass	AVG
4	23759.6	-42.69	-21.20	21.49	Pass	Peak	10	23759.6	-41.46	-41.20	0.26	Pass	AVG
5	24777.9	-42.41	-27.00	15.41	Pass	Peak	11	24777.9	/	-27.00	/	/	AVG
6	25755.4	-40.88	-27.00	13.88	Pass	Peak	12	25755.4	/	-27.00	/	/	AVG

802.11n(HT40) LCH 5190MHz_Ant1_NTNV



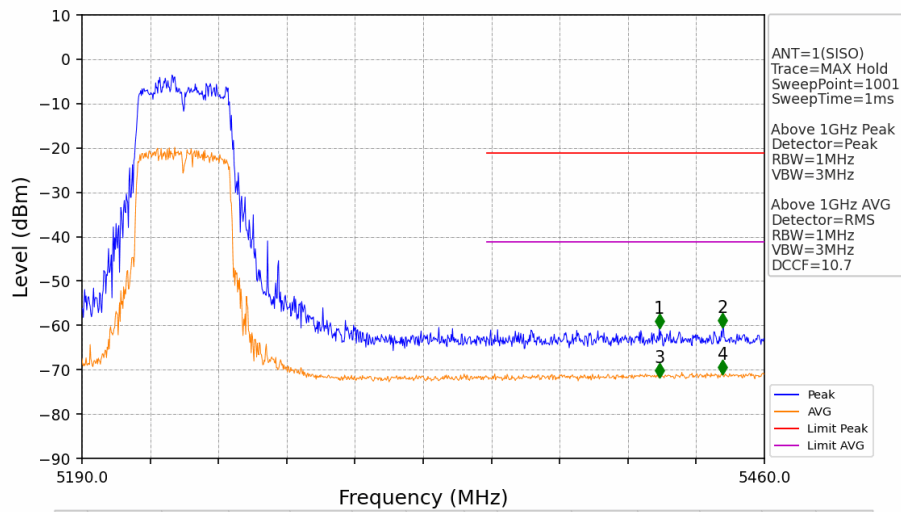
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5022.500	-52.97	-21.20	31.77	Pass	Peak	3	5022.500	-66.39	-41.20	22.27	Pass	AVG
2	5149.000	-51.60	-21.20	30.40	Pass	Peak	4	5149.000	-66.52	-41.20	22.40	Pass	AVG

802.11n(HT40) HCH 5230MHz_Ant1_NTNV



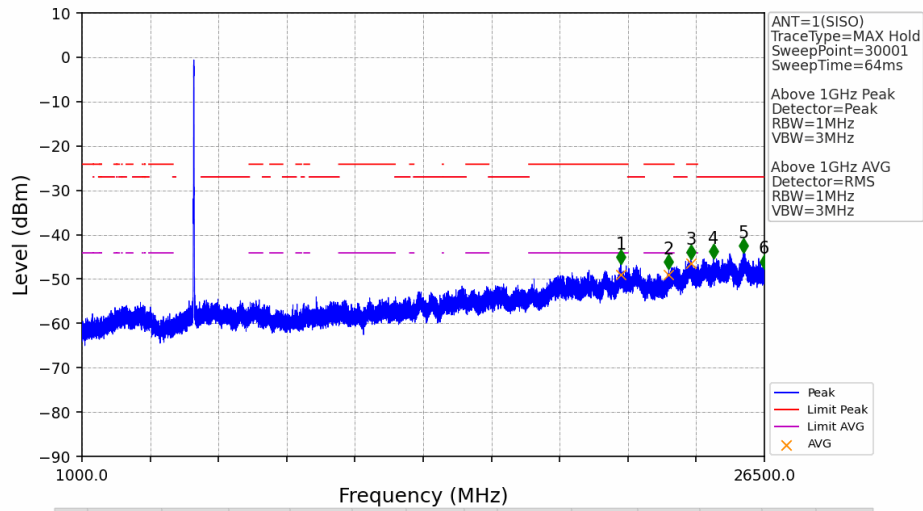
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	20102.05	-49.69	-21.20	28.49	Pass	Peak	7	20102.05	-48.67	-41.20	7.47	Pass	AVG
2	21119.5	-47.93	-21.20	26.73	Pass	Peak	8	21119.5	-47.19	-41.20	5.99	Pass	AVG
3	23134	-47.39	-27.00	20.39	Pass	Peak	9	23134	/	-27.00	/	/	AVG
4	24202.45	-46.23	-27.00	19.23	Pass	Peak	10	24202.45	/	-27.00	/	/	AVG
5	24984.45	-46.18	-27.00	19.18	Pass	Peak	11	24984.45	/	-27.00	/	/	AVG
6	25764.75	-44.78	-27.00	17.78	Pass	Peak	12	25764.75	/	-27.00	/	/	AVG

802.11n(HT40) HCH 5230MHz_Ant1_NTNV



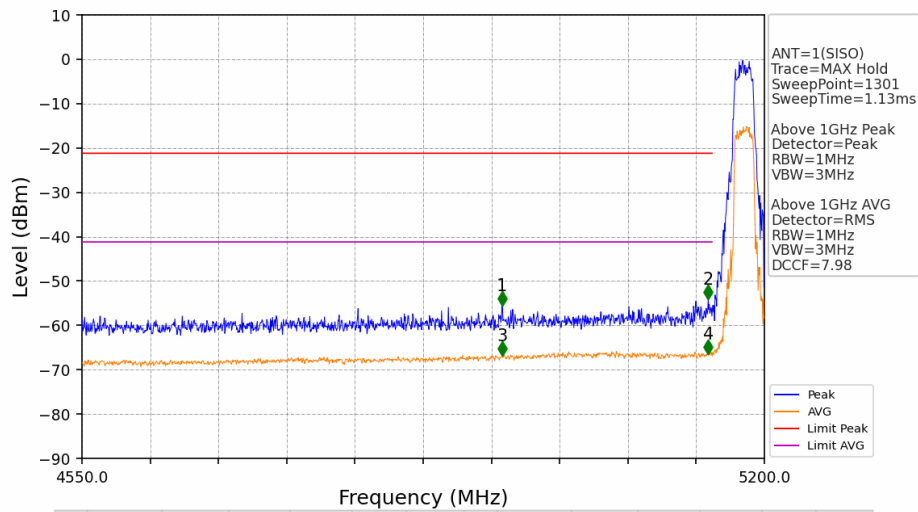
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5418.420	-57.73	-21.20	36.53	Pass	Peak	3	5418.420	-71.67	-41.20	27.55	Pass	AVG
2	5443.530	-57.46	-21.20	36.26	Pass	Peak	4	5443.530	-70.97	-41.20	26.85	Pass	AVG

802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



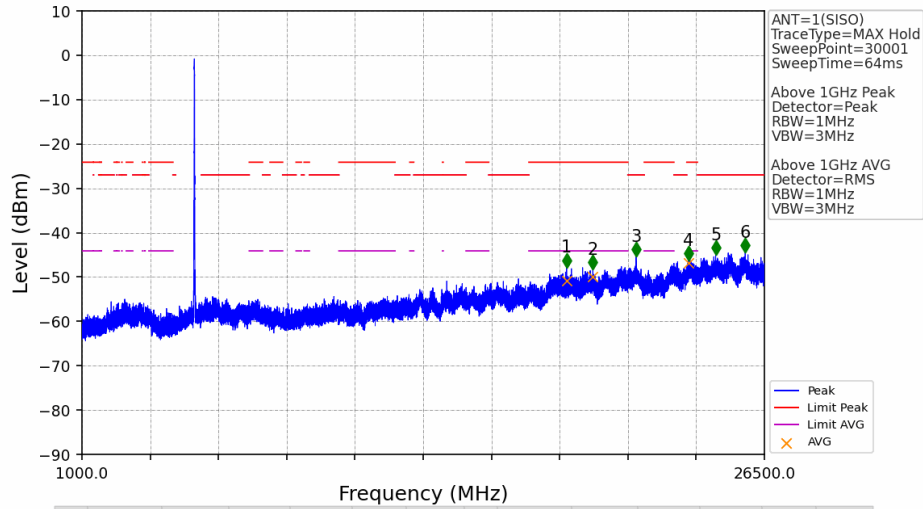
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark
1	21133.95	-43.60	-21.20	22.40	Pass Peak	7	21133.95	-46.09	-41.20	4.89	Pass AVG
2	22927.45	-44.69	-21.20	23.49	Pass Peak	8	22927.45	-46.18	-41.20	4.98	Pass AVG
3	23750.25	-42.56	-21.20	21.36	Pass Peak	9	23750.25	-43.61	-41.20	2.41	Pass AVG
4	24593.45	-42.40	-27.00	15.40	Pass Peak	10	24593.45	/	-27.00	/	/ AVG
5	25718	-41.18	-27.00	14.18	Pass Peak	11	25718	/	-27.00	/	/ AVG
6	26488.95	-44.67	-27.00	17.67	Pass Peak	12	26488.95	/	-27.00	/	/ AVG

802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



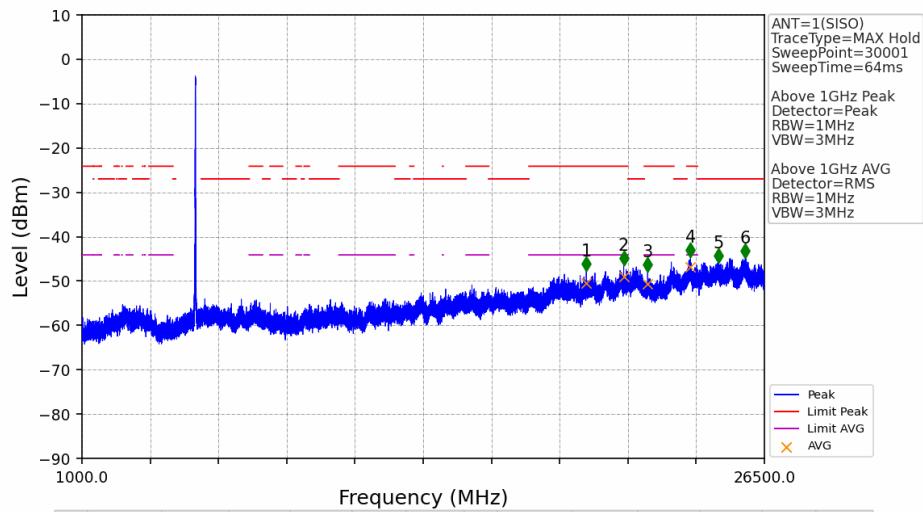
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark
1	4950.000	-52.61	-21.20	31.41	Pass Peak	3	4950.000	-66.82	-41.20	22.70	Pass AVG
2	5146.500	-51.06	-21.20	29.86	Pass Peak	4	5146.500	-66.45	-41.20	22.33	Pass AVG

802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



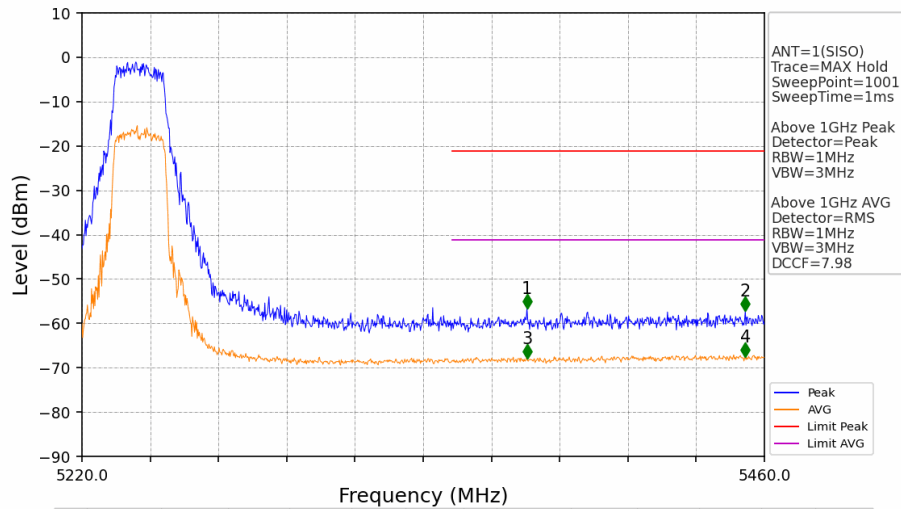
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	19108.4	-44.85	-21.20	23.65	Pass	Peak	7	19108.4	-47.99	-41.20	6.79	Pass	AVG
2	20089.3	-45.33	-21.20	24.13	Pass	Peak	8	20089.3	-46.96	-41.20	5.76	Pass	AVG
3	21705.15	-42.46	-27.00	15.46	Pass	Peak	9	21705.15	/	-27.00	/	/	AVG
4	23666.1	-43.32	-21.20	22.12	Pass	Peak	10	23666.1	-44.00	-41.20	2.80	Pass	AVG
5	24678.45	-42.02	-27.00	15.03	Pass	Peak	11	24678.45	/	-27.00	/	/	AVG
6	25782.6	-41.49	-27.00	14.49	Pass	Peak	12	25782.6	/	-27.00	/	/	AVG

802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



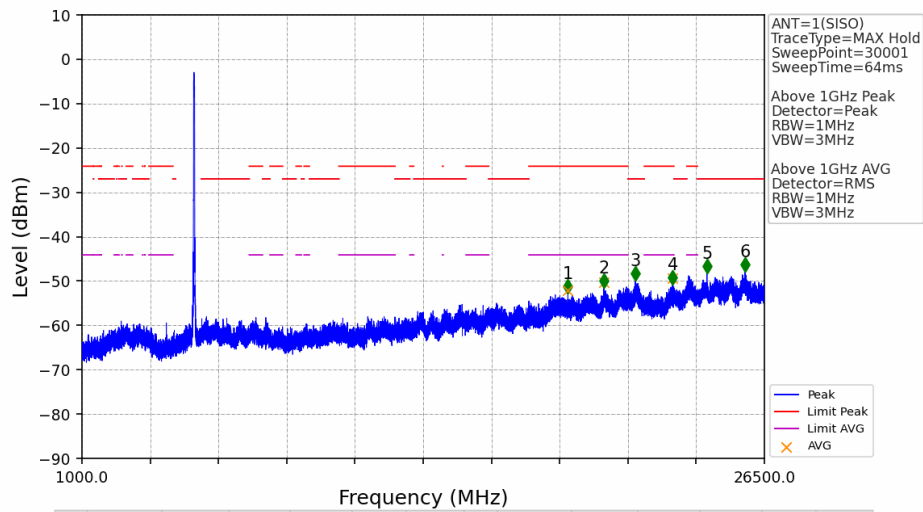
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	19844.5	-44.83	-21.20	23.63	Pass	Peak	7	19844.5	-47.58	-41.20	6.38	Pass	AVG
2	21242.75	-43.52	-21.20	22.32	Pass	Peak	8	21242.75	-46.19	-41.20	4.99	Pass	AVG
3	22137.8	-44.99	-21.20	23.79	Pass	Peak	9	22137.8	-47.70	-41.20	6.50	Pass	AVG
4	23739.2	-41.74	-21.20	20.54	Pass	Peak	10	23739.2	-43.84	-41.20	2.64	Pass	AVG
5	24780.45	-43.02	-27.00	16.02	Pass	Peak	11	24780.45	/	-27.00	/	/	AVG
6	25786.85	-41.92	-27.00	14.93	Pass	Peak	12	25786.85	/	-27.00	/	/	AVG

802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



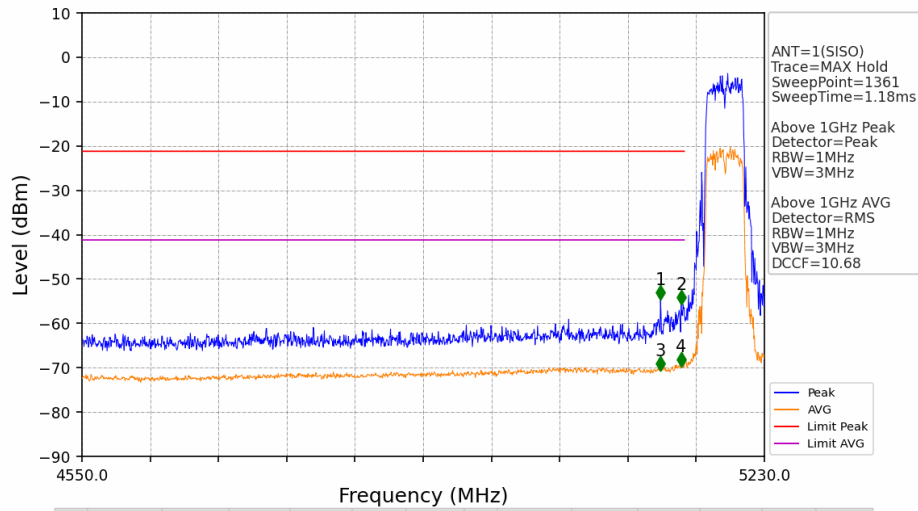
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark
1	5376.480	-53.70	-21.20	32.51	Pass Peak	3	5376.480	-67.87	-41.20	23.75	Pass AVG
2	5453.280	-54.29	-21.20	33.09	Pass Peak	4	5453.280	-67.47	-41.20	23.35	Pass AVG

802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



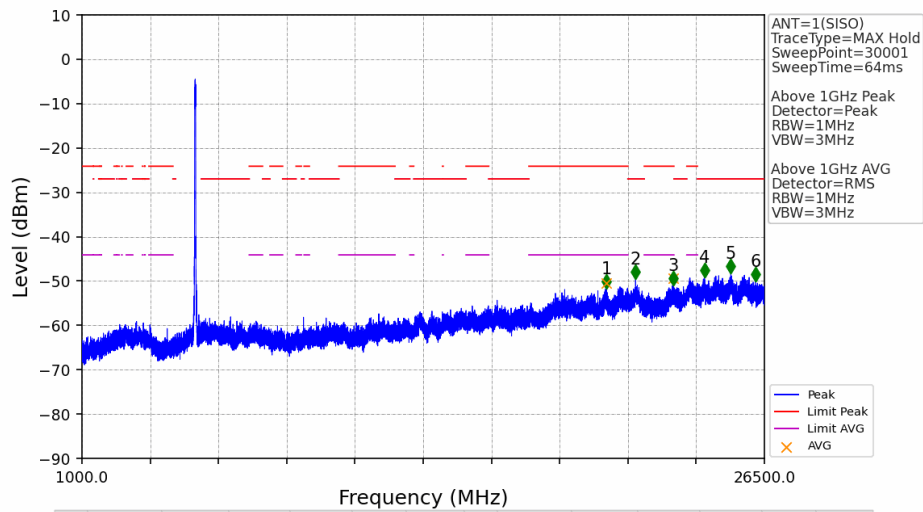
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1	19157.7	-49.94	-21.20	28.74	Pass Peak	7	19157.7	-49.16	-41.20	7.96	Pass AVG
2	20502.4	-48.56	-21.20	27.36	Pass Peak	8	20502.4	-47.29	-41.20	6.09	Pass AVG
3	21677.95	-47.04	-27.00	20.04	Pass Peak	9	21677.95	/	-27.00	/	/ AVG
4	23077.9	-47.84	-21.20	26.64	Pass Peak	10	23077.9	-46.47	-41.20	5.27	Pass AVG
5	24353.75	-45.40	-27.00	18.40	Pass Peak	11	24353.75	/	-27.00	/	/ AVG
6	25777.5	-45.03	-27.00	18.03	Pass Peak	12	25777.5	/	-27.00	/	/ AVG

802.11ac(VHT40) LCH_5190MHz_Ant1_NTNV



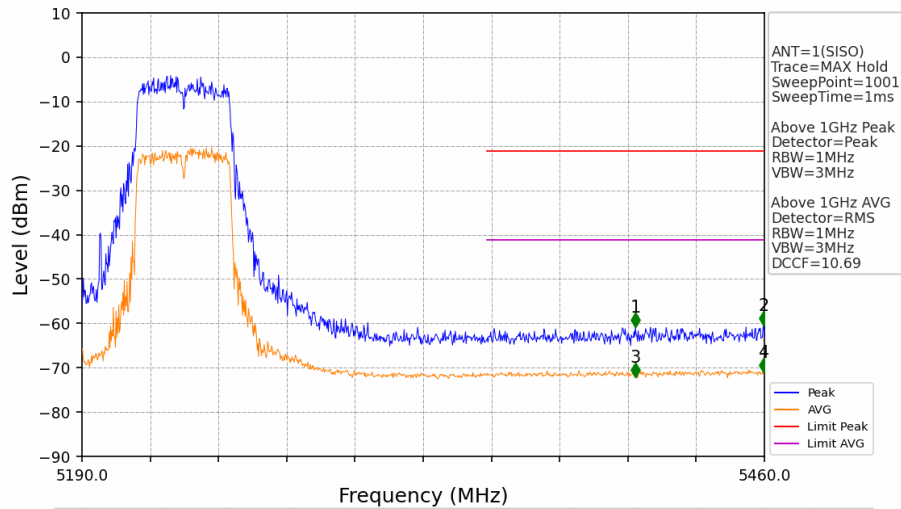
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5126.500	-51.76	-21.20	30.56	Pass	Peak	3	5126.500	-70.69	-41.20	26.57	Pass	AVG
2	5147.000	-52.72	-21.20	31.52	Pass	Peak	4	5147.000	-69.66	-41.20	25.54	Pass	AVG

802.11ac(VHT40) HCH_5230MHz_Ant1_NTNV

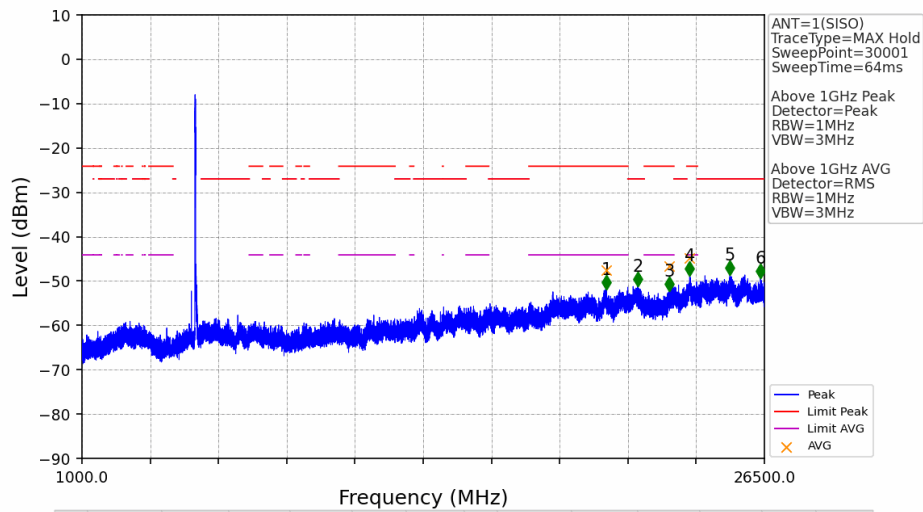


No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	20591.65	-48.83	-21.20	27.63	Pass	Peak	7	20591.65	-47.53	-41.20	6.33	Pass	AVG
2	21687.3	-46.54	-27.00	19.54	Pass	Peak	8	21687.3	/	-27.00	/	/	AVG
3	23089.8	-47.97	-21.20	26.77	Pass	Peak	9	23089.8	-46.39	-41.20	5.19	Pass	AVG
4	24257.7	-46.30	-27.00	19.30	Pass	Peak	10	24257.7	/	-27.00	/	/	AVG
5	25245.4	-45.38	-27.00	18.38	Pass	Peak	11	25245.4	/	-27.00	/	/	AVG
6	26159.15	-47.08	-27.00	20.08	Pass	Peak	12	26159.15	/	-27.00	/	/	AVG

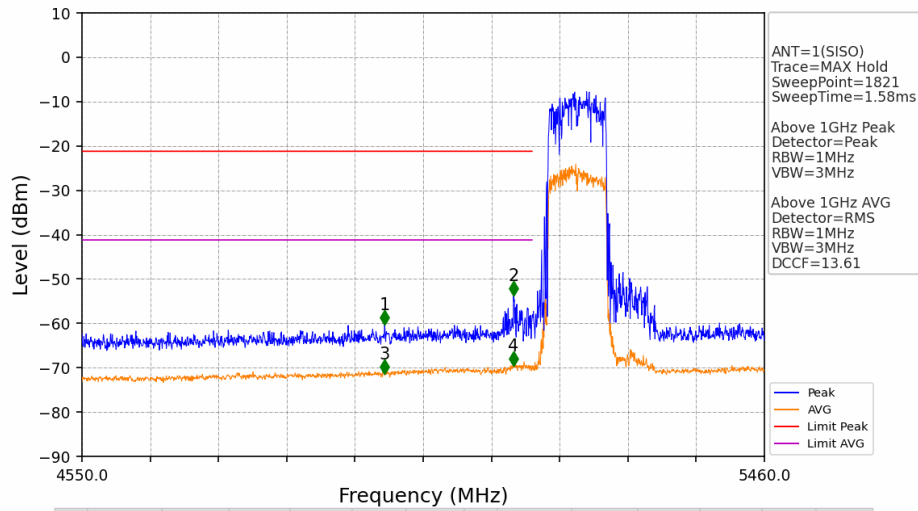
802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV

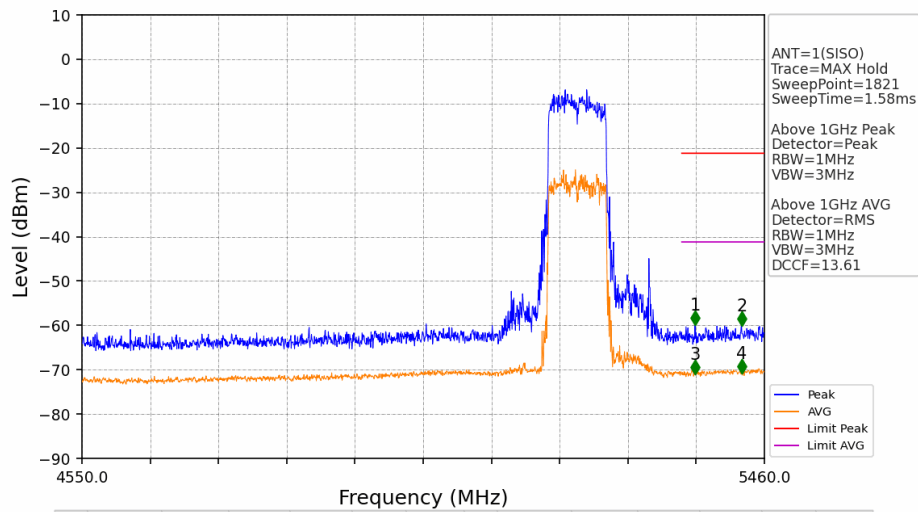


802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



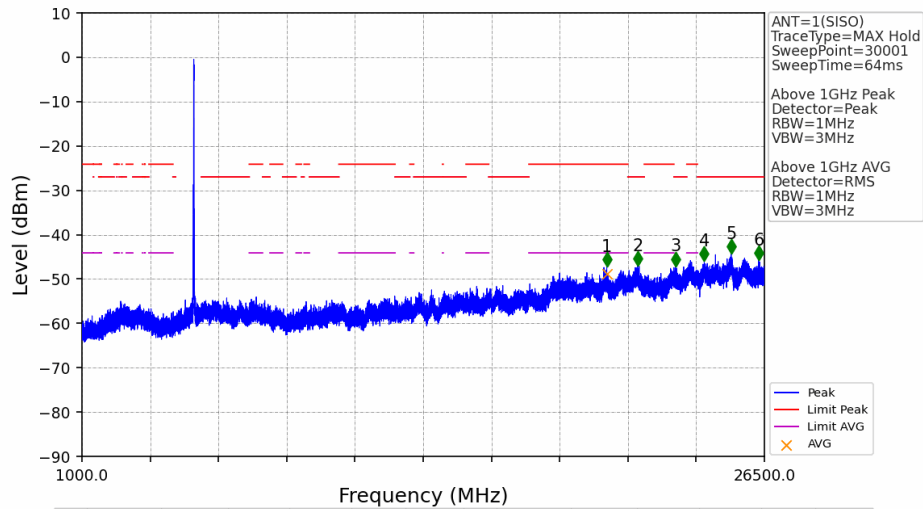
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	4953.500	-57.40	-21.20	36.20	Pass	Peak	3	4953.500	-71.37	-41.20	27.25	Pass	AVG
2	5125.500	-50.85	-21.20	29.65	Pass	Peak	4	5125.500	-69.49	-41.20	25.37	Pass	AVG

802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



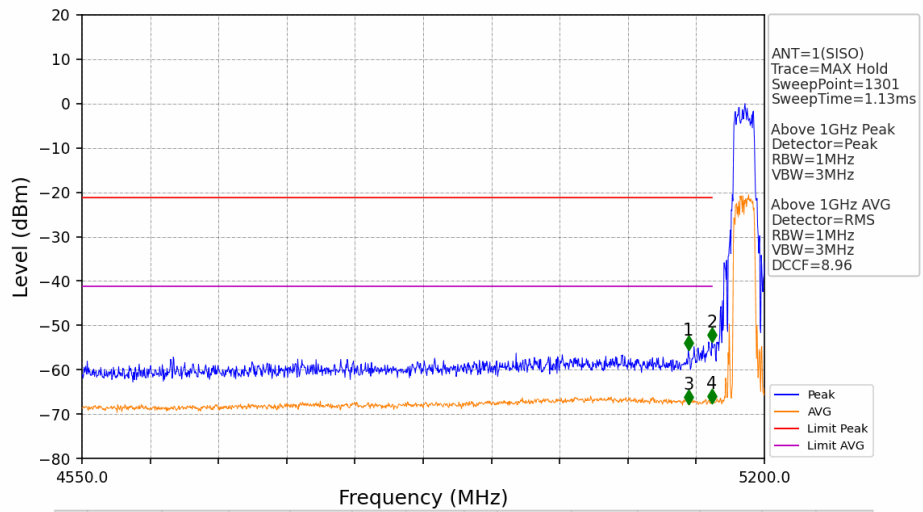
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5367.500	-56.89	-21.20	35.69	Pass	AVG	3	5367.500	-71.07	-41.20	26.95	Pass	AVG
2	5429.500	-57.19	-21.20	35.99	Pass	AVG	4	5429.500	-70.77	-41.20	26.65	Pass	AVG

802.11ax(HEW20)_LCH_5180MHz_SU_ / Ant1_NTNV



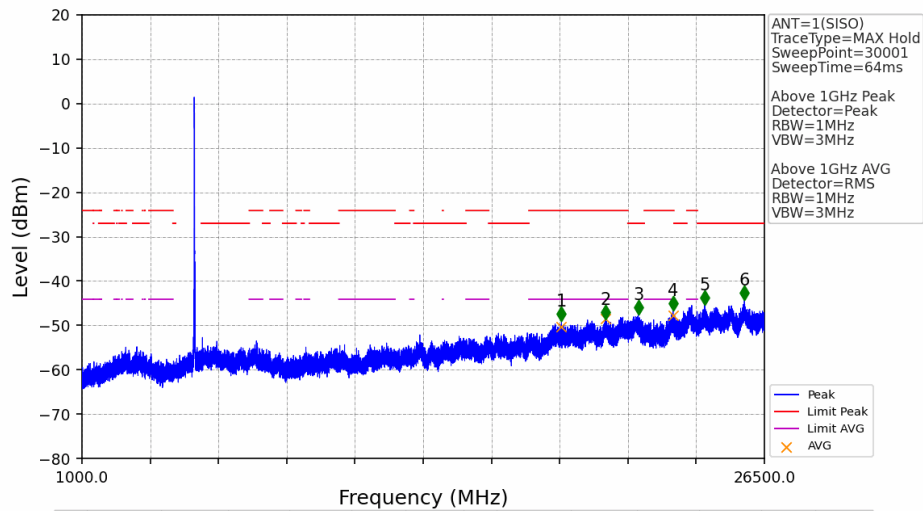
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	20608.65	-44.23	-21.20	23.03	Pass	Peak	7	20608.65	-45.89	-41.20	4.69	Pass	AVG
2	21761.25	-44.01	-27.00	17.01	Pass	Peak	8	21761.25	/	-27.00	/	/	AVG
3	23172.25	-44.13	-27.00	17.13	Pass	Peak	9	23172.25	/	-27.00	/	/	AVG
4	24252.6	-42.93	-27.00	15.93	Pass	Peak	10	24252.6	/	-27.00	/	/	AVG
5	25257.3	-41.27	-27.00	14.27	Pass	Peak	11	25257.3	/	-27.00	/	/	AVG
6	26283.25	-42.78	-27.00	15.78	Pass	Peak	12	26283.25	/	-27.00	/	/	AVG

802.11ax(HEW20)_LCH_5180MHz_SU_ / Ant1_NTNV



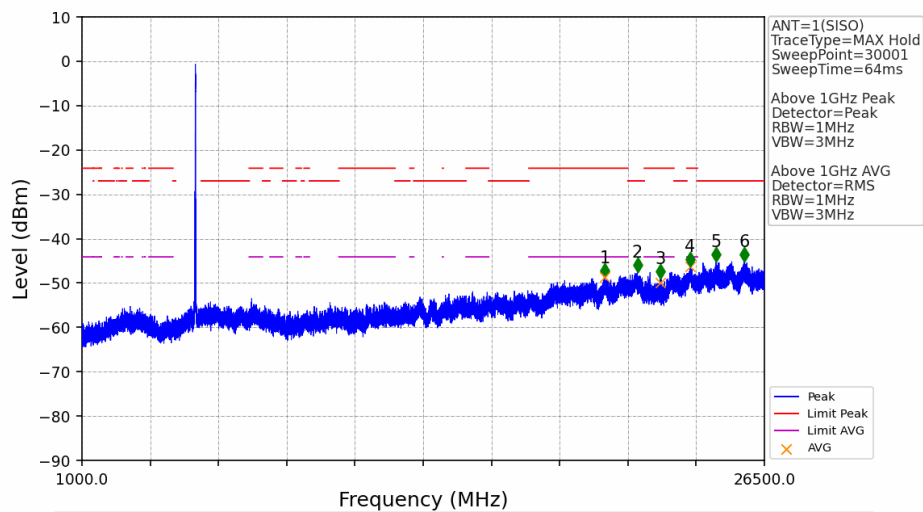
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5127.500	-52.63	-21.20	31.43	Pass	Peak	3	5127.500	-67.81	-41.20	23.69	Pass	AVG
2	5150.000	-50.76	-21.20	29.56	Pass	Peak	4	5150.000	-67.54	-41.20	23.42	Pass	AVG

802.11ax(HEW20)_MCH_5200MHz_SU / Ant1_NTNV



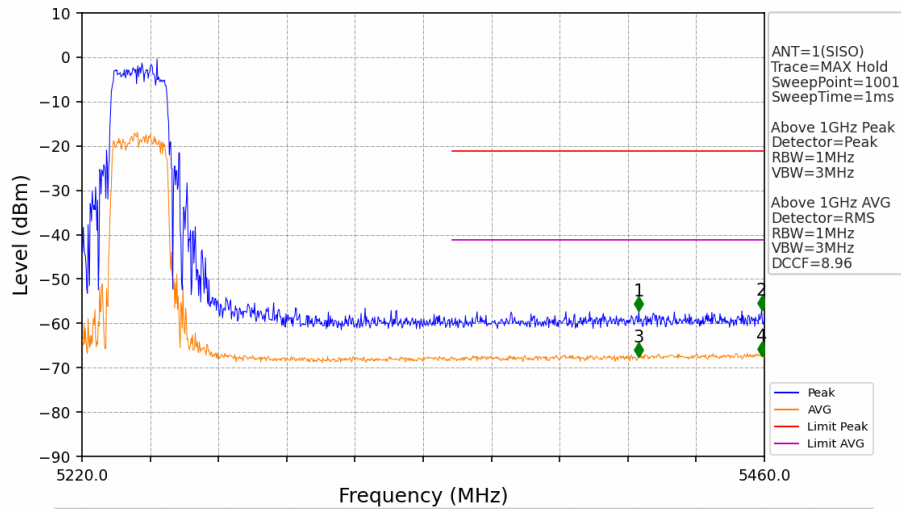
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark
1	18918.85	-46.04	-21.20	24.84	Pass Peak	7	18918.85	-47.32	-41.20	6.12	Pass AVG
2	20575.5	-45.73	-21.20	24.53	Pass Peak	8	20575.5	-45.66	-41.20	4.46	Pass AVG
3	21785.05	-44.61	-27.00	17.61	Pass Peak	9	21785.05	/	-27.00	/	/ AVG
4	23087.25	-43.77	-21.20	22.57	Pass Peak	10	23087.25	-44.86	-41.20	3.66	Pass AVG
5	24268.75	-42.45	-27.00	15.45	Pass Peak	11	24268.75	/	-27.00	/	/ AVG
6	25751.15	-41.34	-27.00	14.34	Pass Peak	12	25751.15	/	-27.00	/	/ AVG

802.11ax(HEW20)_HCH_5240MHz_SU / Ant1_NTNV



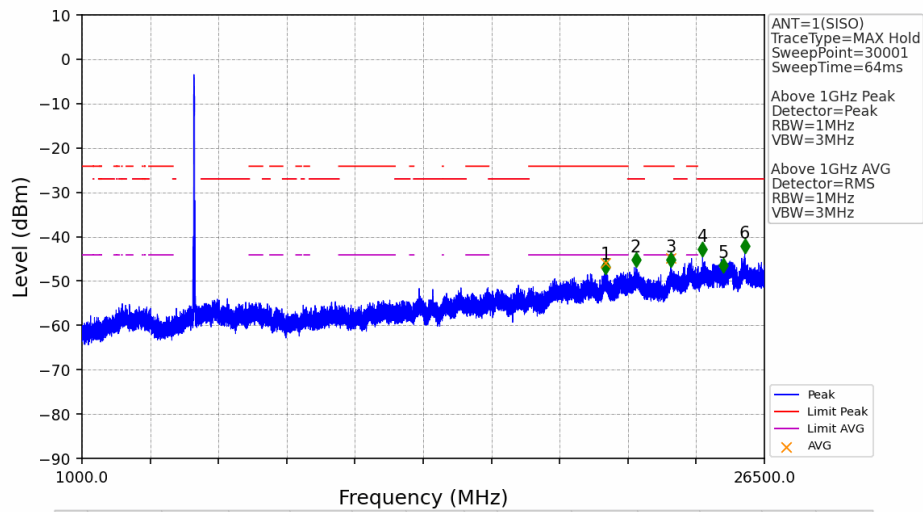
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark
1	20541.5	-45.85	-21.20	24.65	Pass Peak	7	20541.5	-45.68	-41.20	4.48	Pass AVG
2	21755.3	-44.58	-27.00	17.57	Pass Peak	8	21755.3	/	-27.00	/	/ AVG
3	22607	-46.01	-21.20	24.81	Pass Peak	9	22607	-47.07	-41.20	5.87	Pass AVG
4	23712.85	-43.24	-21.20	22.04	Pass Peak	10	23712.85	-43.32	-41.20	2.12	Pass AVG
5	24693.75	-42.28	-27.00	15.29	Pass Peak	11	24693.75	/	-27.00	/	/ AVG
6	25744.35	-42.16	-27.00	15.16	Pass Peak	12	25744.35	/	-27.00	/	/ AVG

802.11ax(HEW20)_HCH_5240MHz_SU_ / Ant1_NTNV



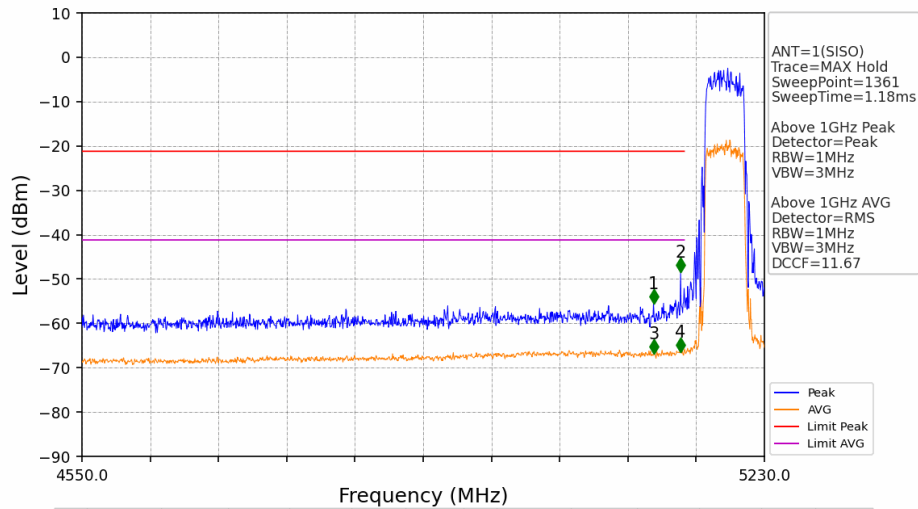
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5415.840	-54.16	-21.20	32.96	Pass	Peak	3	5415.840	-67.59	-41.20	23.47	Pass	AVG
2	5459.040	-54.04	-21.20	32.84	Pass	Peak	4	5459.040	-67.29	-41.20	23.17	Pass	AVG

802.11ax(HEW40)_LCH_5190MHz_SU_ / Ant1_NTNV



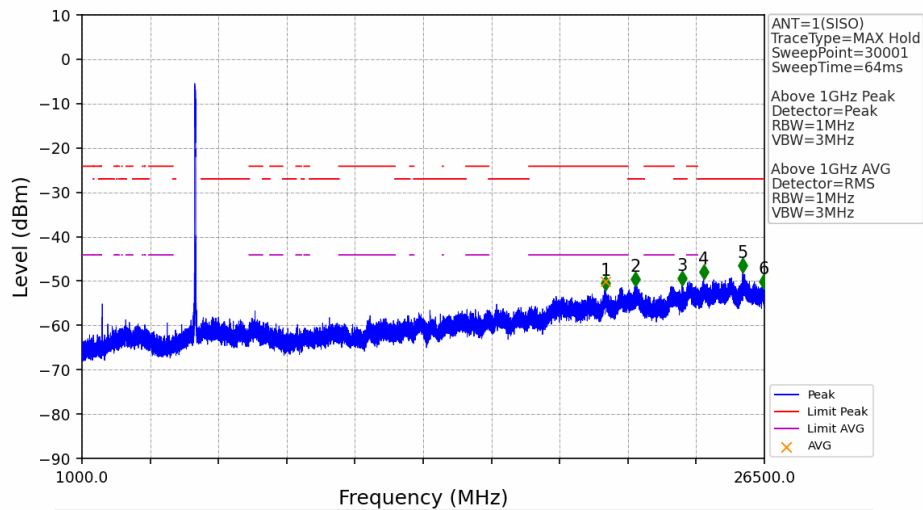
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1	20576.35	-45.47	-21.20	24.27	Pass	Peak	7	20576.35	-42.93	-41.20	1.73	Pass	AVG
2	21695.8	-43.91	-27.00	16.91	Pass	Peak	8	21695.8	/	-27.00	/	/	AVG
3	23003.1	-43.79	-21.20	22.59	Pass	Peak	9	23003.1	-41.98	-41.20	0.78	Pass	AVG
4	24189.7	-41.45	-27.00	14.45	Pass	Peak	10	24189.7	/	-27.00	/	/	AVG
5	24970	-45.12	-27.00	18.12	Pass	Peak	11	24970	/	-27.00	/	/	AVG
6	25764.75	-40.84	-27.00	13.84	Pass	Peak	12	25764.75	/	-27.00	/	/	AVG

802.11ax(HEW40)_LCH_5190MHz_SU_ / Ant1_NTNV



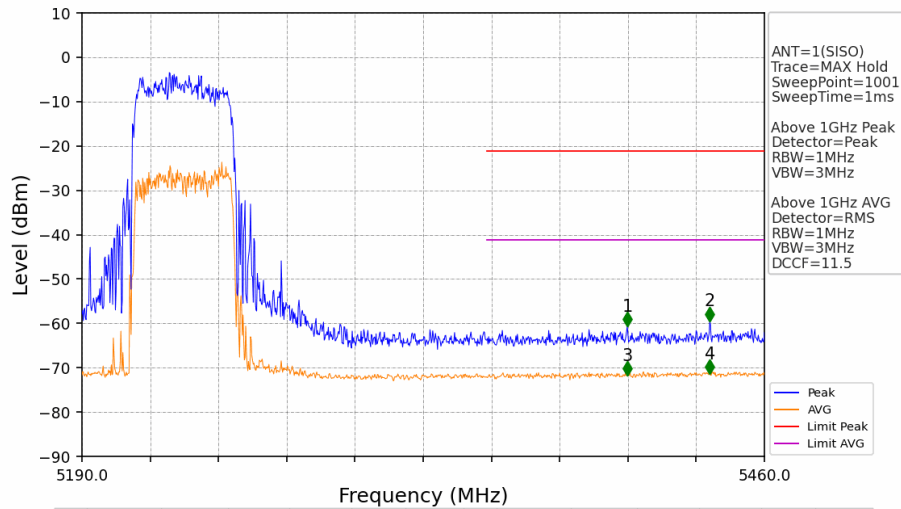
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark
1	5119.500	-52.60	-21.20	31.40	Pass Peak	3	5119.500	-66.90	-41.20	22.78	Pass AVG
2	5146.500	-45.57	-21.20	24.37	Pass Peak	4	5146.500	-66.37	-41.20	22.25	Pass AVG

802.11ax(HEW40)_HCH_5230MHz_SU_ / Ant1_NTNV

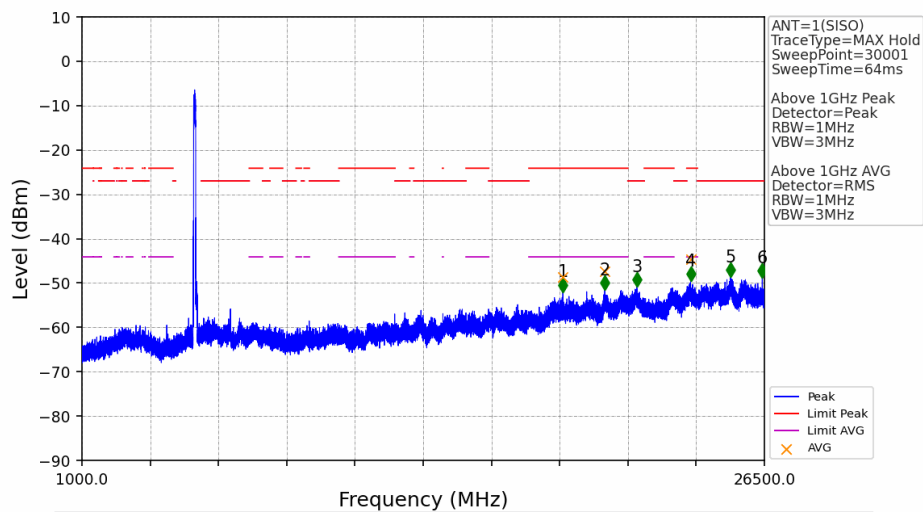


No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark
1	20567.85	-49.12	-21.20	27.92	Pass Peak	7	20567.85	-47.10	-41.20	5.90	Pass AVG
2	21688.15	-48.18	-27.00	21.18	Pass Peak	8	21688.15	/	-27.00	/	/ AVG
3	23425.55	-48.02	-27.00	21.02	Pass Peak	9	23425.55	/	-27.00	/	/ AVG
4	24229.65	-46.58	-27.00	19.58	Pass Peak	10	24229.65	/	-27.00	/	/ AVG
5	25689.95	-45.08	-27.00	18.08	Pass Peak	11	25689.95	/	-27.00	/	/ AVG
6	26470.25	-48.73	-27.00	21.73	Pass Peak	12	26470.25	/	-27.00	/	/ AVG

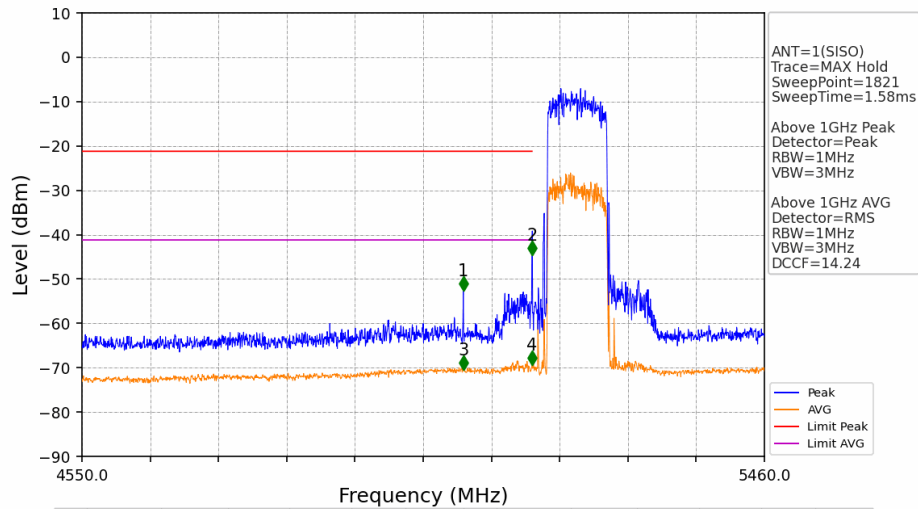
802.11ax(HEW40)_HCH_5230MHz_SU / Ant1_NTNV



802.11ax(HEW80)_MCH_5210MHz_SU / Ant1_NTNV

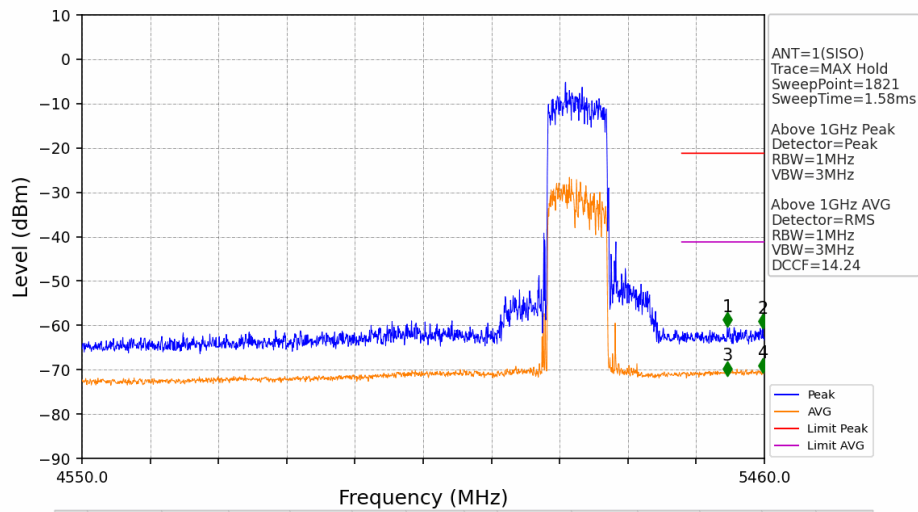


802.11ax(HEW80)_MCH_5210MHz_SU / Ant1_NTNV



No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5058.500	-49.69	-21.20	28.49	Pass	Peak	3	5058.500	-70.52	-41.20	26.40	Pass	AVG
2	5150.000	-41.74	-21.20	20.54	Pass	Peak	4	5150.000	-69.45	-41.20	25.33	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	5410.500	-57.37	-21.20	36.17	Pass	AVG	3	5410.500	-71.27	-41.20	27.15	Pass	AVG
2	5458.000	-57.66	-21.20	36.45	Pass	AVG	4	5458.000	-70.58	-41.20	26.46	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	5179.971	5150 to 5250	Pass
				120	5179.971	5150 to 5250	Pass
				138	5179.971	5150 to 5250	Pass
			-30	120	5179.972	5150 to 5250	Pass
			-20	120	5179.972	5150 to 5250	Pass
			-10	120	5179.972	5150 to 5250	Pass
			0	120	5179.972	5150 to 5250	Pass
			10	120	5179.972	5150 to 5250	Pass
			30	120	5179.973	5150 to 5250	Pass
			40	120	5179.973	5150 to 5250	Pass
			50	120	5179.973	5150 to 5250	Pass
		5200	20	102	5199.971	5150 to 5250	Pass
				120	5199.972	5150 to 5250	Pass
				138	5199.972	5150 to 5250	Pass
			-30	120	5199.973	5150 to 5250	Pass
			-20	120	5199.973	5150 to 5250	Pass
			-10	120	5199.973	5150 to 5250	Pass
			0	120	5199.973	5150 to 5250	Pass
			10	120	5199.973	5150 to 5250	Pass
			30	120	5199.973	5150 to 5250	Pass
			40	120	5199.973	5150 to 5250	Pass
			50	120	5199.973	5150 to 5250	Pass
		5240	20	102	5239.973	5150 to 5250	Pass
				120	5239.973	5150 to 5250	Pass
				138	5239.973	5150 to 5250	Pass
			-30	120	5239.973	5150 to 5250	Pass
			-20	120	5239.973	5150 to 5250	Pass
			-10	120	5239.973	5150 to 5250	Pass
			0	120	5239.973	5150 to 5250	Pass
			10	120	5239.973	5150 to 5250	Pass
			30	120	5239.974	5150 to 5250	Pass
			40	120	5239.974	5150 to 5250	Pass
			50	120	5239.974	5150 to 5250	Pass
		5190	20	102	5189.973	5150 to 5250	Pass
				120	5189.974	5150 to 5250	Pass
				138	5189.974	5150 to 5250	Pass
			-30	120	5189.974	5150 to 5250	Pass
			-20	120	5189.974	5150 to 5250	Pass
			-10	120	5189.982	5150 to 5250	Pass
			0	120	5189.982	5150 to 5250	Pass
			10	120	5189.982	5150 to 5250	Pass
			30	120	5189.982	5150 to 5250	Pass
			40	120	5189.982	5150 to 5250	Pass
			50	120	5189.982	5150 to 5250	Pass
		5230	20	102	5229.982	5150 to 5250	Pass
				120	5229.982	5150 to 5250	Pass
				138	5229.982	5150 to 5250	Pass
			-30	120	5229.982	5150 to 5250	Pass

			-20	120	5229.982	5150 to 5250	Pass
			-10	120	5229.982	5150 to 5250	Pass
			0	120	5229.982	5150 to 5250	Pass
			10	120	5229.982	5150 to 5250	Pass
			30	120	5229.982	5150 to 5250	Pass
			40	120	5229.982	5150 to 5250	Pass
			50	120	5229.982	5150 to 5250	Pass
		5210	20	102	5209.982	5150 to 5250	Pass
				120	5209.982	5150 to 5250	Pass
				138	5209.982	5150 to 5250	Pass
			-30	120	5209.982	5150 to 5250	Pass
			-20	120	5209.982	5150 to 5250	Pass
			-10	120	5209.982	5150 to 5250	Pass
			0	120	5209.982	5150 to 5250	Pass
			10	120	5209.982	5150 to 5250	Pass
			30	120	5209.982	5150 to 5250	Pass
			40	120	5209.982	5150 to 5250	Pass
			50	120	5209.982	5150 to 5250	Pass

▶▶▶ END OF REPORT ◀◀◀

