

FCC ID: 2A54Y-HA111

Applicant: Shenzhen TFIRETEK Technology Co., Ltd.

Address: 204, Building 2, Stech Park, Taoyuan Community, Dalang Street, LongHua District, ShenZhen

Manufacturer: Shenzhen TFIRETEK Technology Co., Ltd.

Address: 204, Building 2, Stech Park, Taoyuan Community, Dalang Street, LongHua District, ShenZhen

Product: Projector

Trade Mark: N/A

Model No.: HA111, HA111-Mini, HA111-Max, HA111-A, HA111-B, HA111-C, HA111-D, HA111-E, HA111-Plus, HA111-Ultra

Date of Receipt: Jul. 10, 2026

Test Date: Jul. 10, 2026 – Sep. 11, 2026

Date of Report: Sep. 11, 2026

Prepared By: Shenzhen DL Testing Technology Co., Ltd.

101-201, Comprehensive Building, Tongzhou Electronics Longgang Factory Area, No.1

Address: Baolong Fifth Road, Baolong Community, Baolong Street, Longgang District, Shenzhen, China

FCC PART 15 E 15.407

Applicable Standards: ANSI C63.10-2020 + Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024
KDB 789033 D02 General U-NII Test Procedures New Rules v02r01

Test Result: Pass

Report Number: DLE-260610104R

1. Duty Cycle

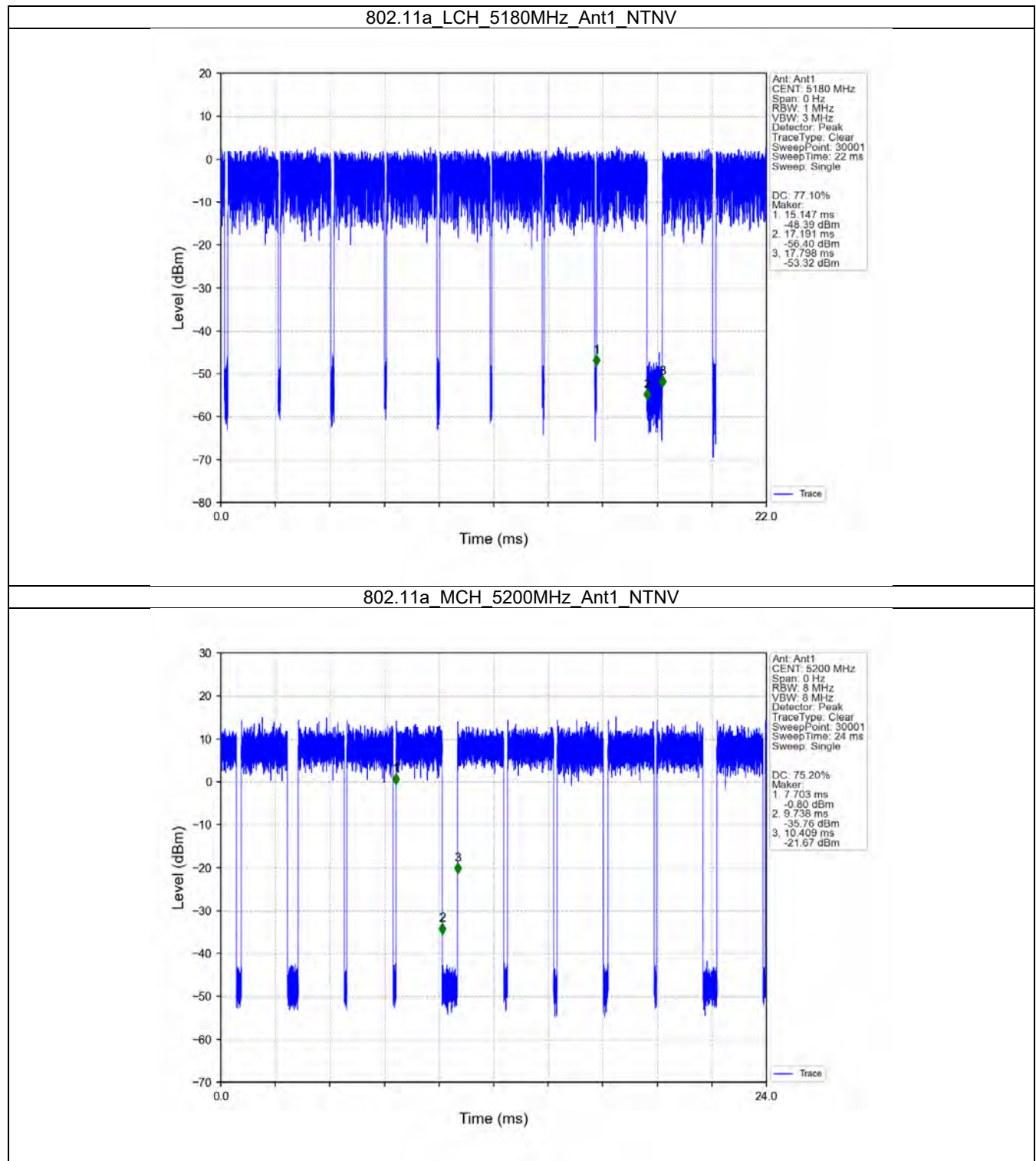
1.1 Test Result

1.1.1 Ant1

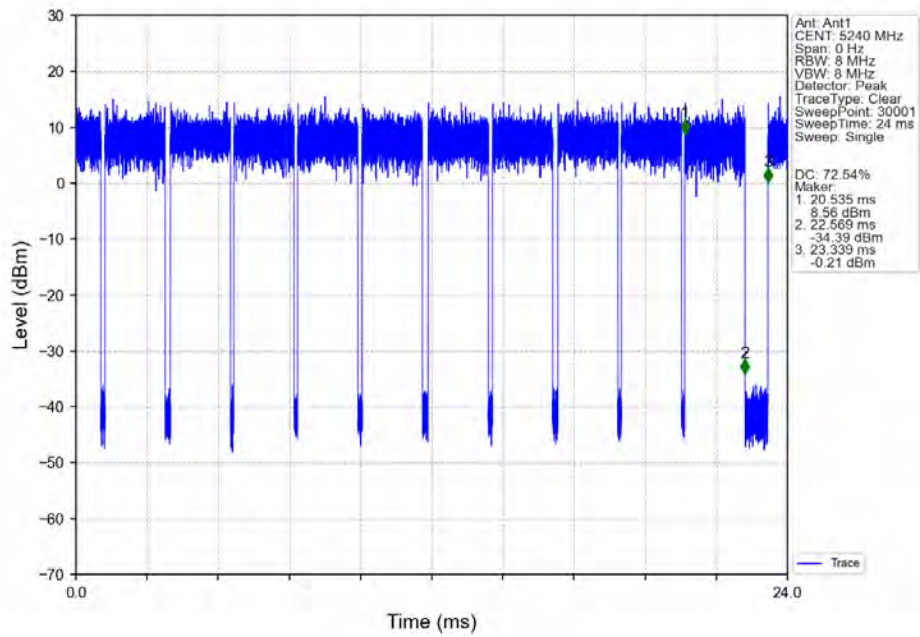
Ant1									
Mode	TX Type	Frequency (MHz)	RU	RU Pos	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11a	SISO	5180	/	/	2.044	2.651	77.10	1.13	19.71
		5200	/	/	2.035	2.706	75.20	1.24	20.35
		5240	/	/	2.034	2.804	72.54	1.39	22.41
802.11n (HT20)	SISO	5180	/	/	1.904	2.175	87.54	0.58	9.49
		5200	/	/	1.903	2.335	81.50	0.89	15.44
		5240	/	/	1.894	2.119	89.38	0.49	5.24
802.11n (HT40)	SISO	5190	/	/	0.936	1.474	63.50	1.97	30.01
		5230	/	/	0.933	1.110	84.05	0.75	9.09
802.11ac (VHT20)	SISO	5180	/	/	1.901	2.370	80.21	0.96	16.24
		5200	/	/	1.902	2.600	73.15	1.36	23.37
		5240	/	/	1.903	2.070	91.93	0.37	4.62
802.11ac (VHT40)	SISO	5190	/	/	0.937	1.114	84.11	0.75	9.01
		5230	/	/	0.938	1.114	84.20	0.75	9.06
802.11ax (HEW20)	SISO	5180	SU	/	1.462	2.023	72.27	1.41	23.18
		5200	SU	/	1.462	2.158	67.75	1.69	26.59
		5240	SU	/	1.462	1.839	79.50	1.00	13.53
802.11ax (HEW40)	SISO	5190	SU	/	0.763	0.931	81.95	0.86	9.76
		5230	SU	/	0.763	0.895	85.25	0.69	6.45

1.2 Test Graph

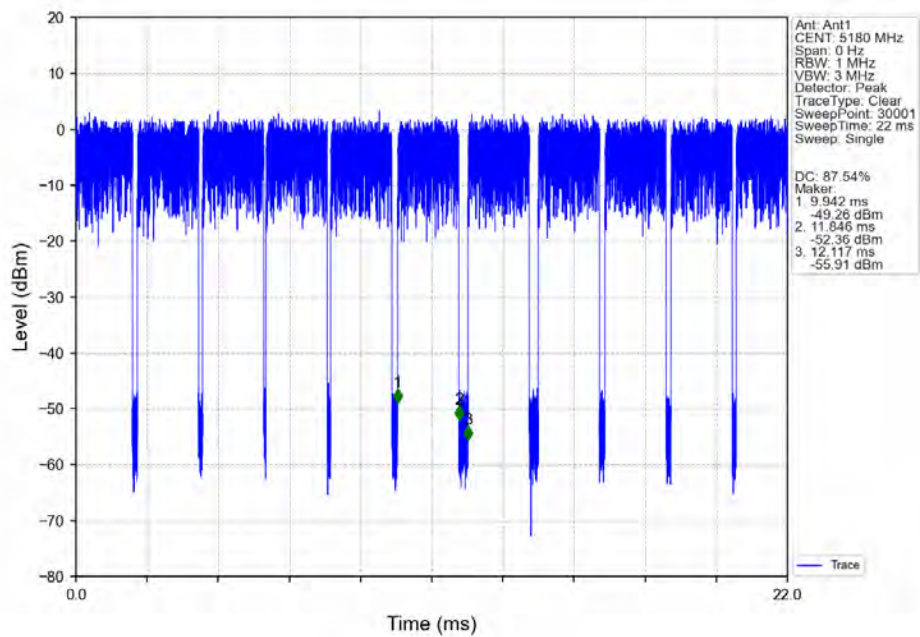
1.2.1 Ant1



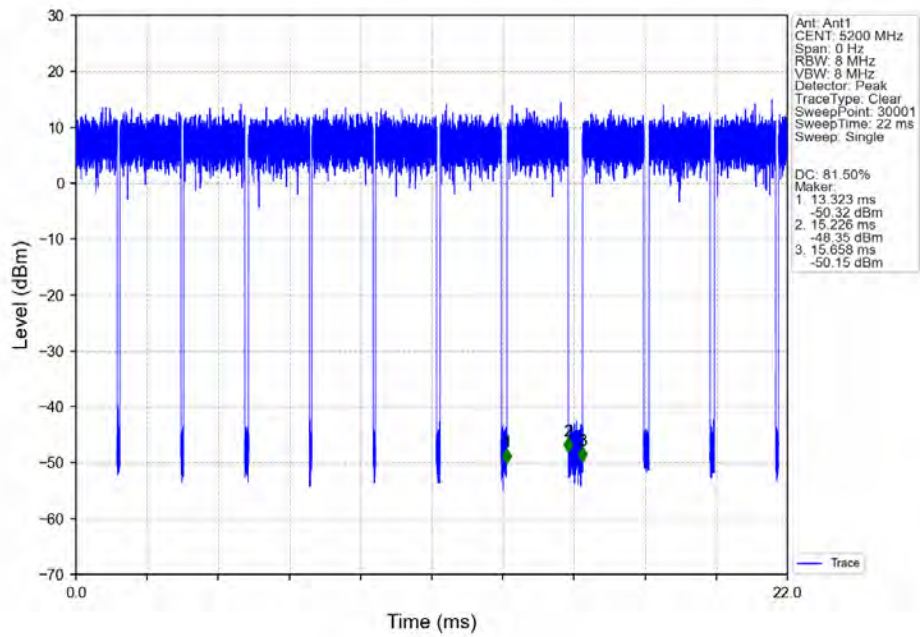
802.11a_HCH_5240MHz_Ant1_NTNV



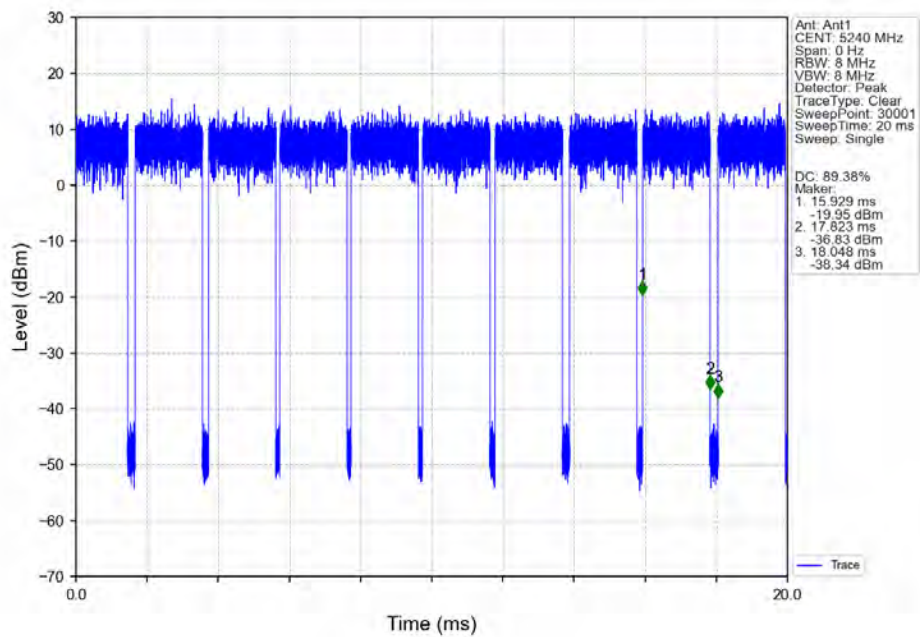
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



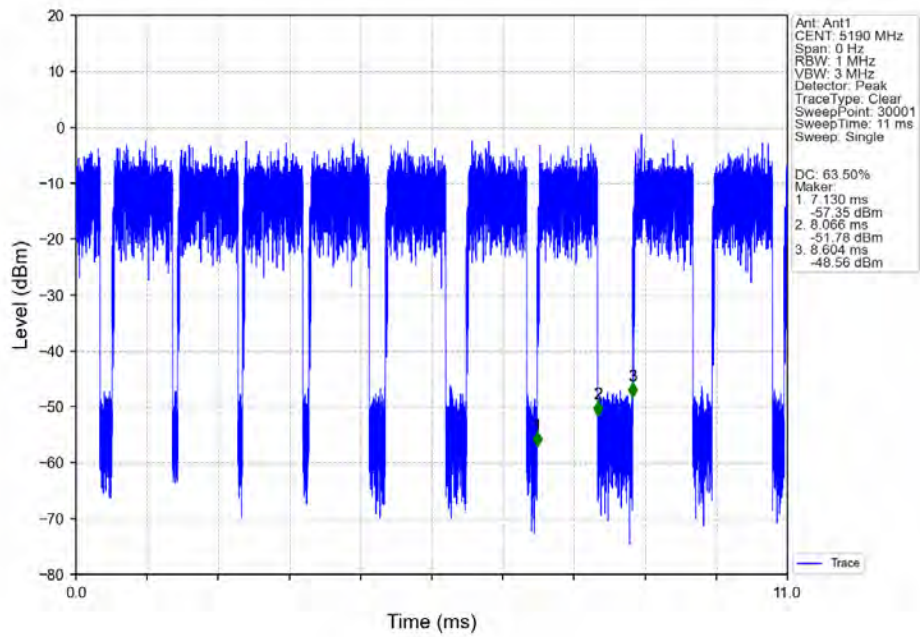
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



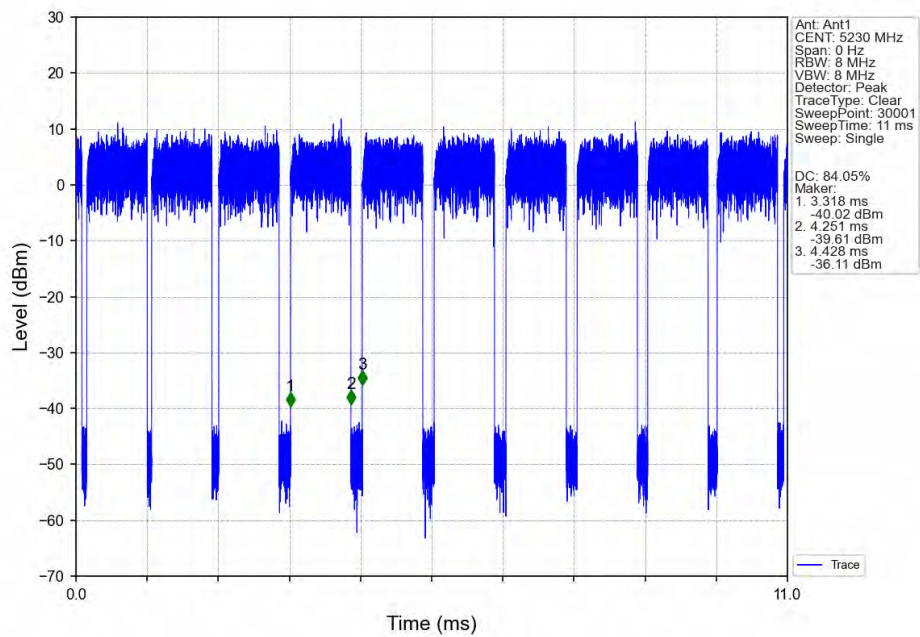
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



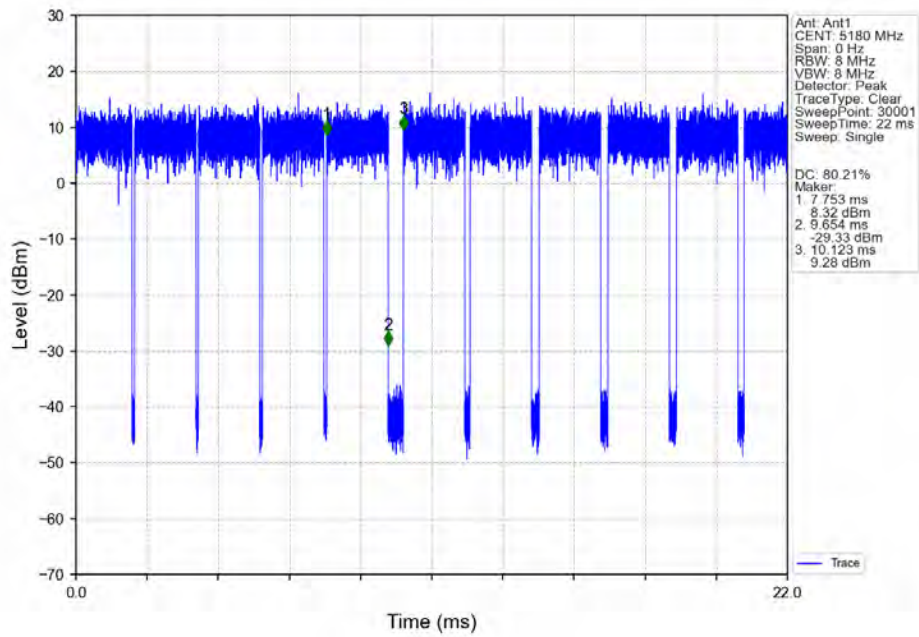
802.11n(HT40) LCH 5190MHz Ant1_NTNV



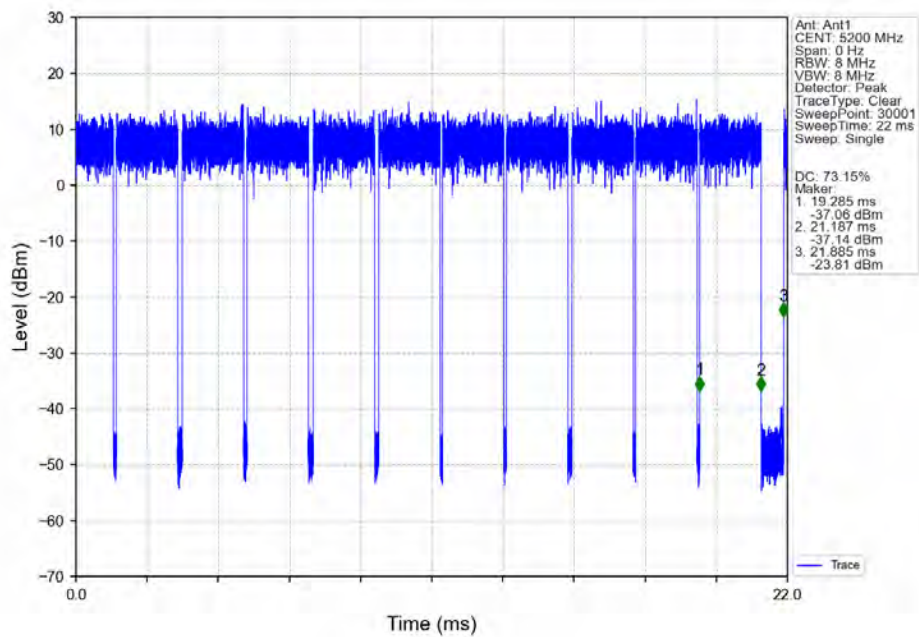
802.11n(HT40) HCH 5230MHz Ant1_NTNV



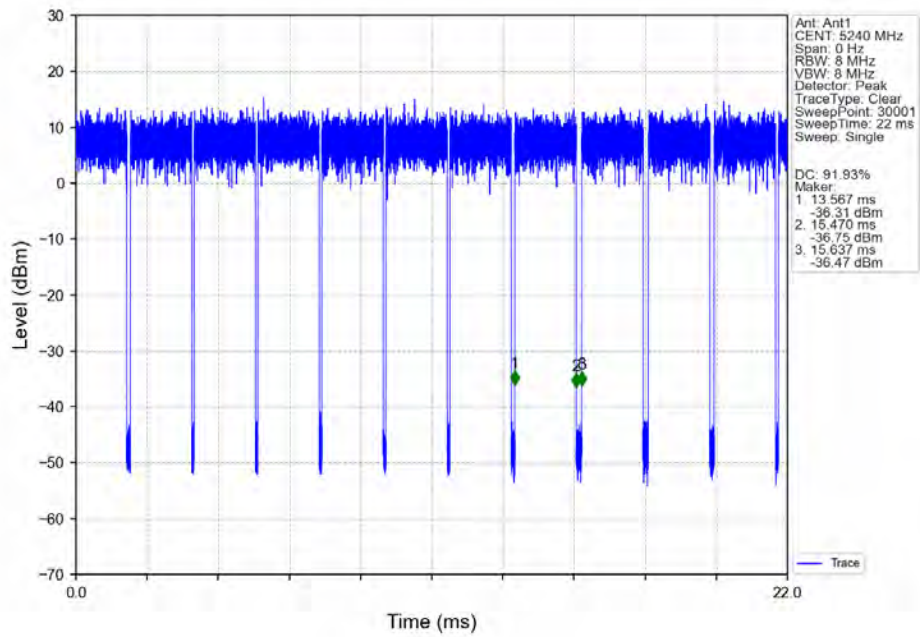
802.11ac(VHT20) LCH_5180MHz_Ant1_NTNV



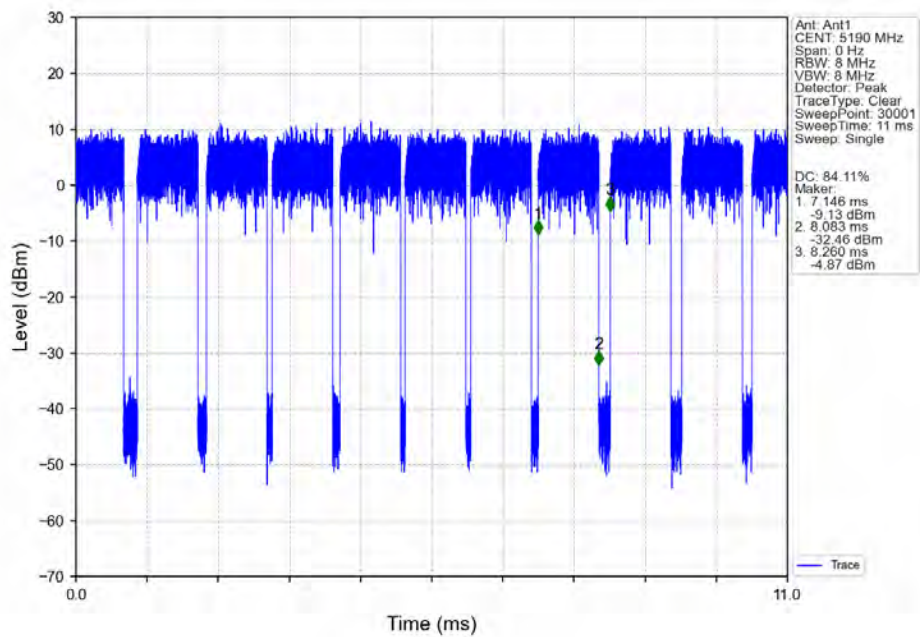
802.11ac(VHT20) MCH_5200MHz_Ant1_NTNV



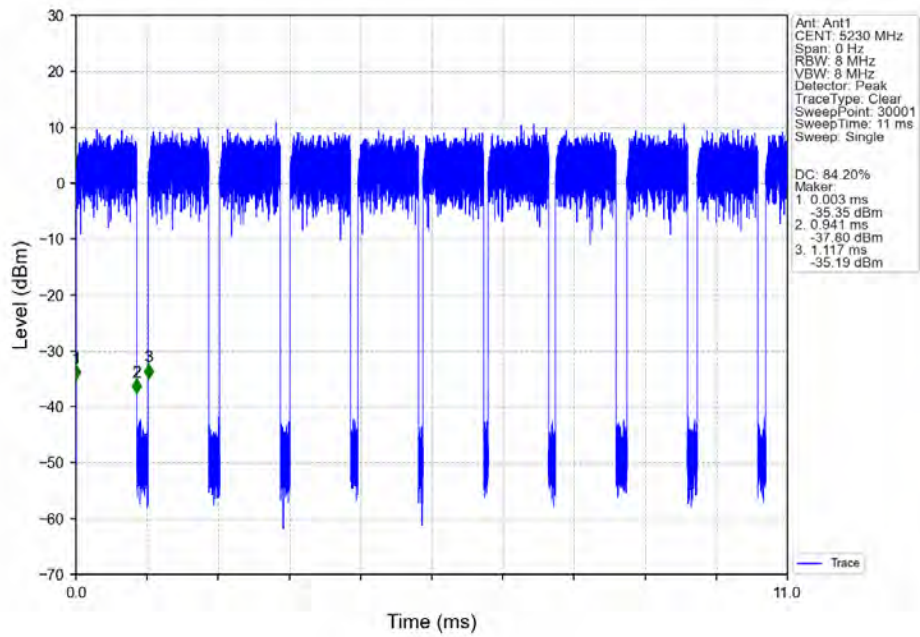
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



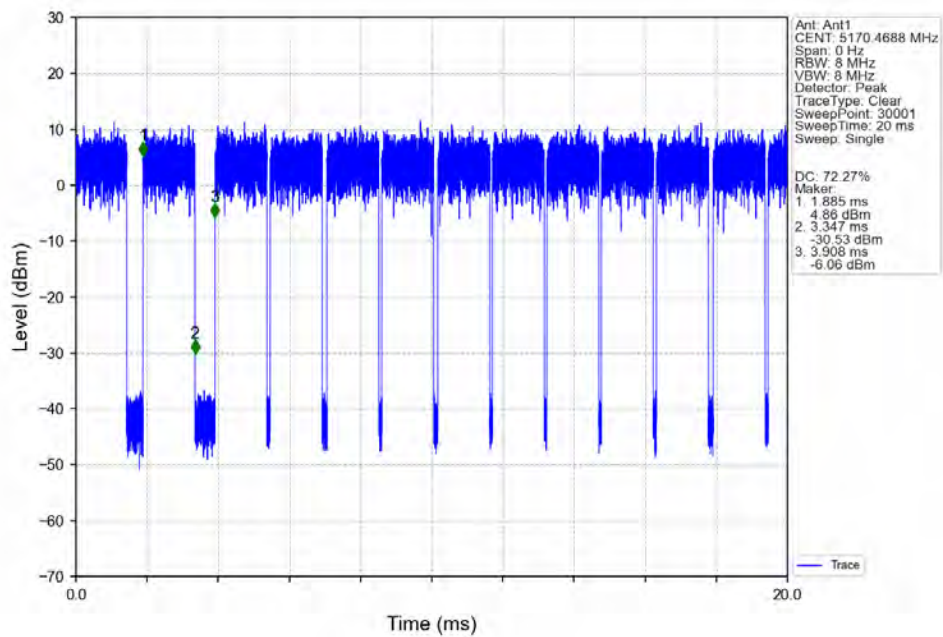
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



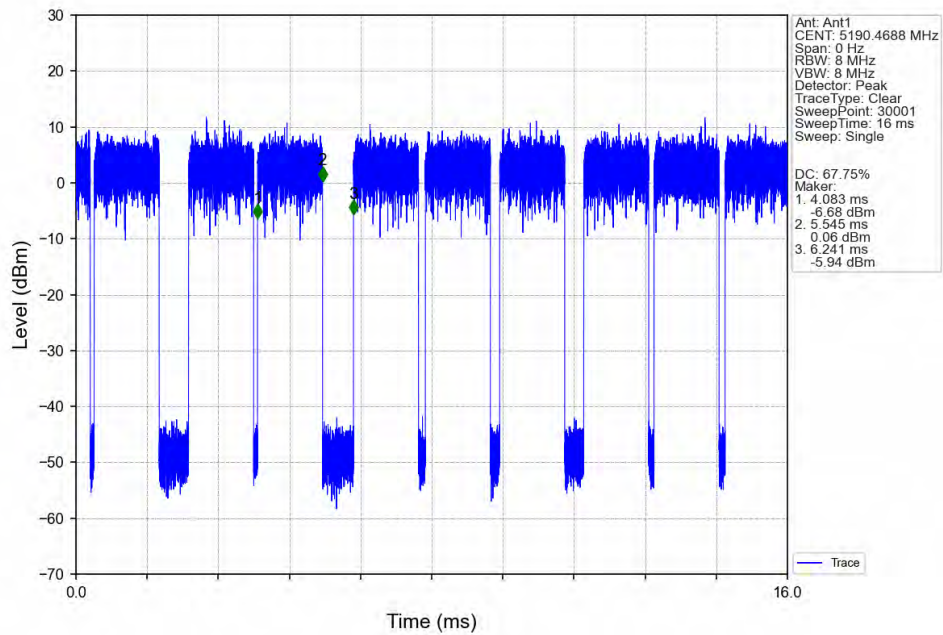
802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



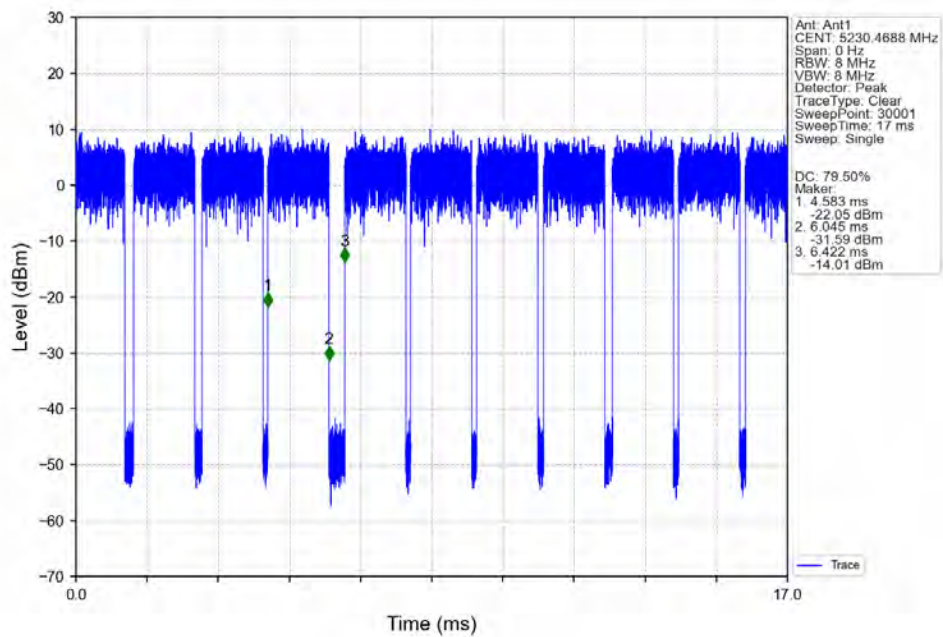
802.11ax(HEW20)_LCH_5180MHz_SU_ / _Ant1_NTNV



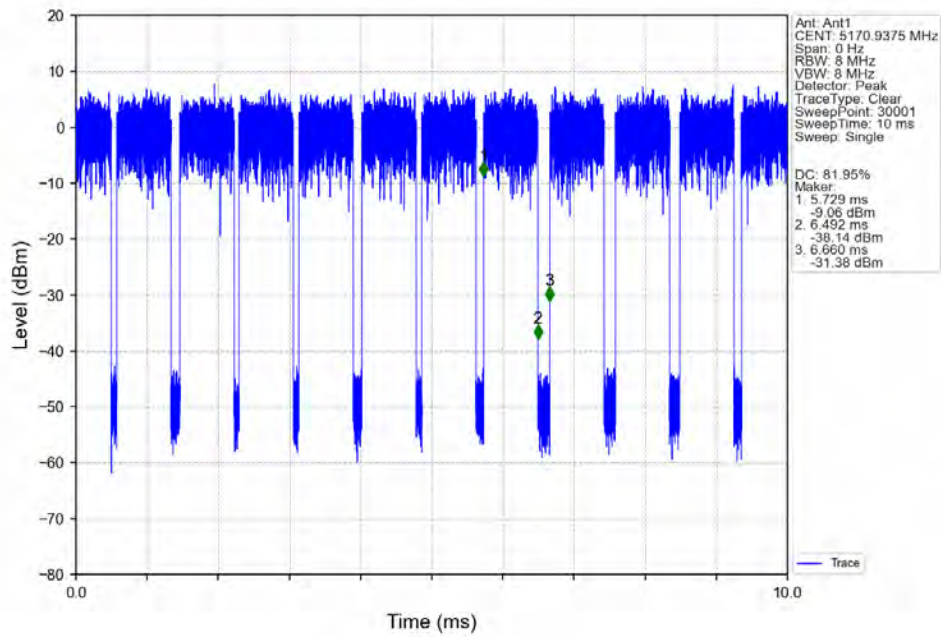
802.11ax(HEW20) MCH_5200MHz_SU / Ant1_NTNV



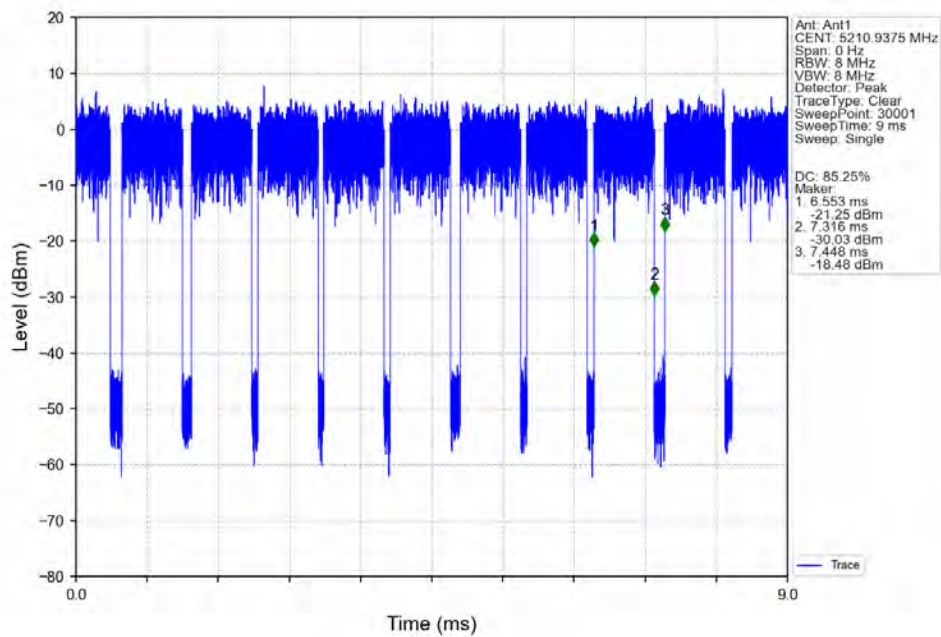
802.11ax(HEW20) HCH_5240MHz_SU / Ant1_NTNV



802.11ax(HEW40)_LCH_5190MHz_SU_/_Ant1_NTNV



802.11ax(HEW40)_HCH_5230MHz_SU_/_Ant1_NTNV



2. Bandwidth

2.1 Test Result

2.1.1 OBW

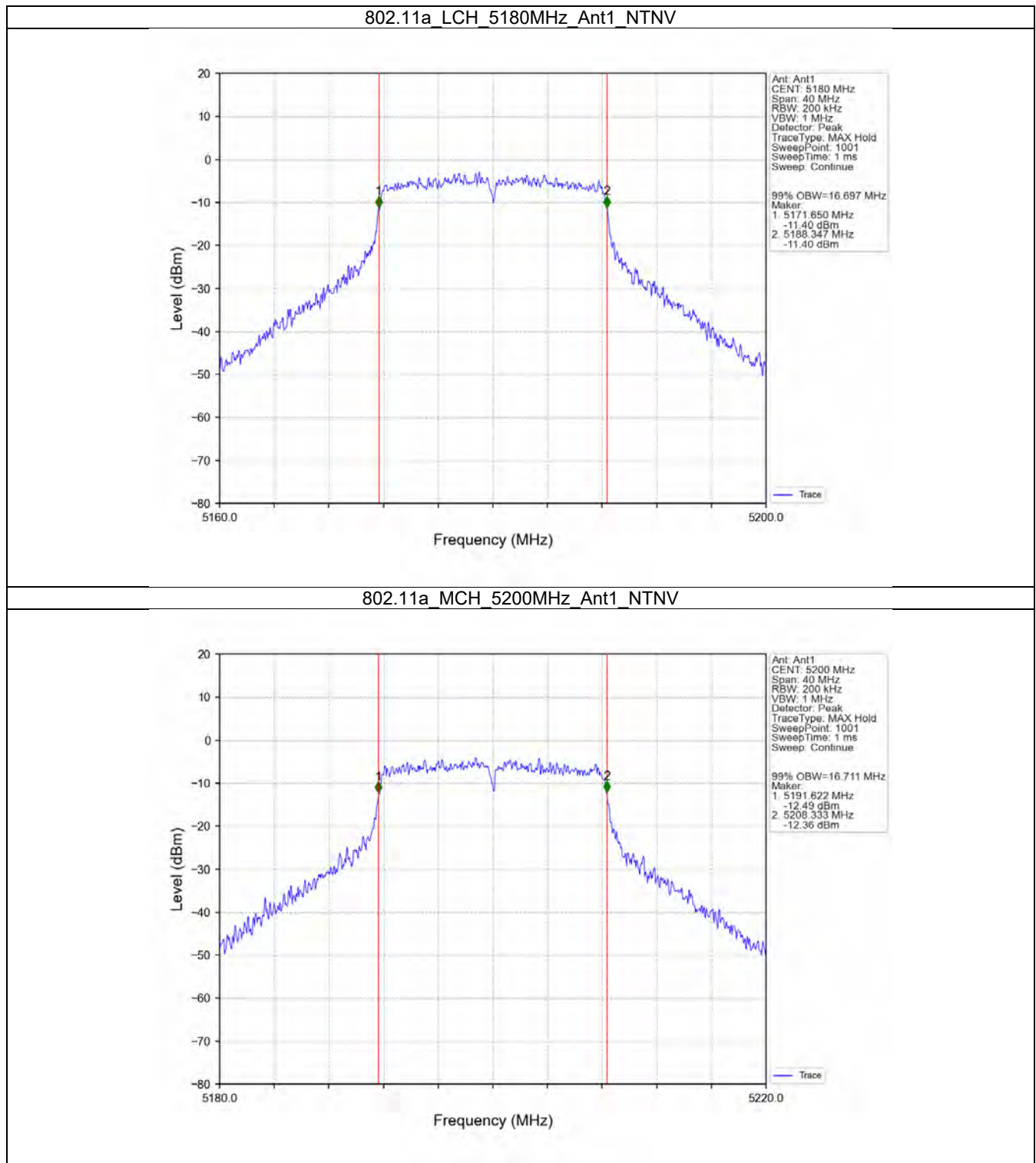
Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	99% Occupied Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	SISO	5180	/	/	1	16.697	/	Pass
		5200	/	/	1	16.711	/	Pass
		5240	/	/	1	16.724	/	Pass
802.11n (HT20)	SISO	5180	/	/	1	17.845	/	Pass
		5200	/	/	1	17.915	/	Pass
		5240	/	/	1	17.933	/	Pass
802.11n (HT40)	SISO	5190	/	/	1	37.094	/	Pass
		5230	/	/	1	37.237	/	Pass
802.11ac (VHT20)	SISO	5180	/	/	1	17.877	/	Pass
		5200	/	/	1	17.894	/	Pass
		5240	/	/	1	17.876	/	Pass
802.11ac (VHT40)	SISO	5190	/	/	1	36.983	/	Pass
		5230	/	/	1	37.323	/	Pass
802.11ax (HEW20)	SISO	5180	SU	/	1	19.088	/	Pass
		5200	SU	/	1	19.077	/	Pass
		5240	SU	/	1	19.097	/	Pass
802.11ax (HEW40)	SISO	5190	SU	/	1	38.239	/	Pass
		5230	SU	/	1	38.331	/	Pass

2.1.2 26dB BW

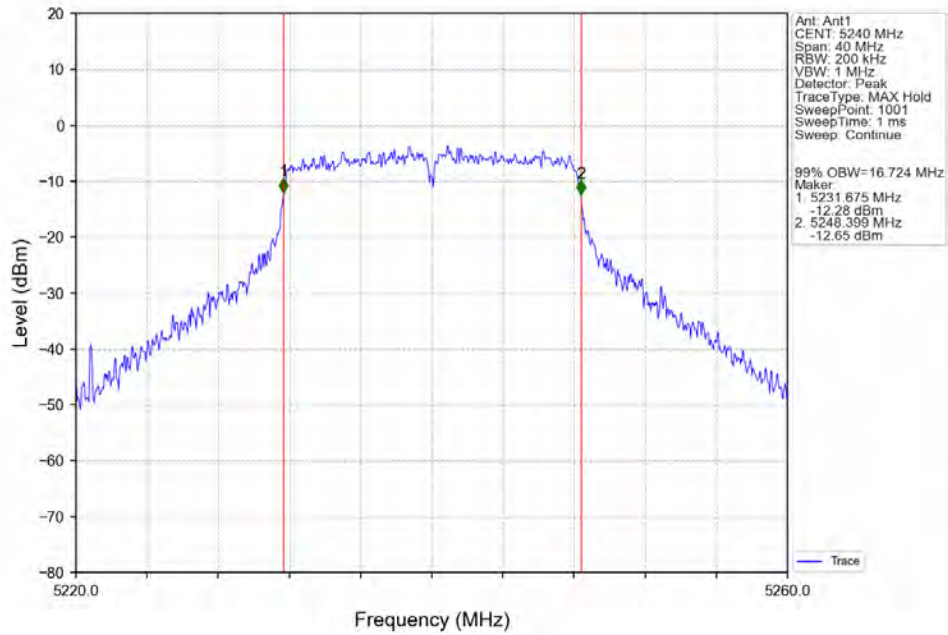
Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	26dB Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	SISO	5180	/	/	1	26.092	/	Pass
		5200	/	/	1	25.929	/	Pass
		5240	/	/	1	25.227	/	Pass
802.11n (HT20)	SISO	5180	/	/	1	27.343	/	Pass
		5200	/	/	1	26.486	/	Pass
		5240	/	/	1	27.203	/	Pass
802.11n (HT40)	SISO	5190	/	/	1	46.947	/	Pass
		5230	/	/	1	49.082	/	Pass
802.11ac (VHT20)	SISO	5180	/	/	1	26.167	/	Pass
		5200	/	/	1	27.460	/	Pass
		5240	/	/	1	26.519	/	Pass
802.11ac (VHT40)	SISO	5190	/	/	1	47.945	/	Pass
		5230	/	/	1	49.047	/	Pass
802.11ax (HEW20)	SISO	5180	SU	/	1	24.774	/	Pass
		5200	SU	/	1	25.177	/	Pass
		5240	SU	/	1	27.448	/	Pass
802.11ax (HEW40)	SISO	5190	SU	/	1	46.499	/	Pass
		5230	SU	/	1	47.473	/	Pass

2.2 Test Graph

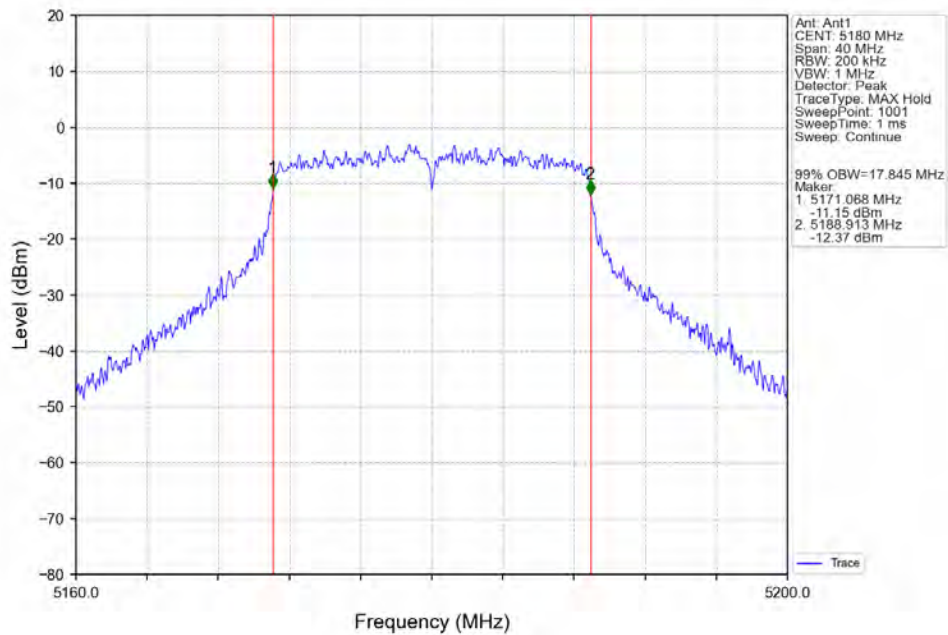
2.2.1 OBW



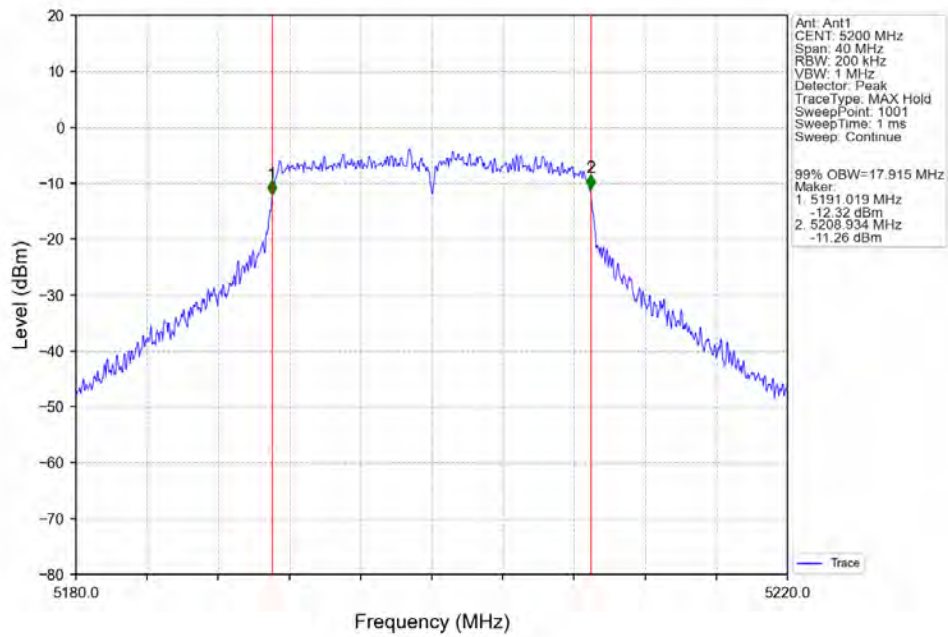
802.11a_HCH_5240MHz_Ant1_NTNV



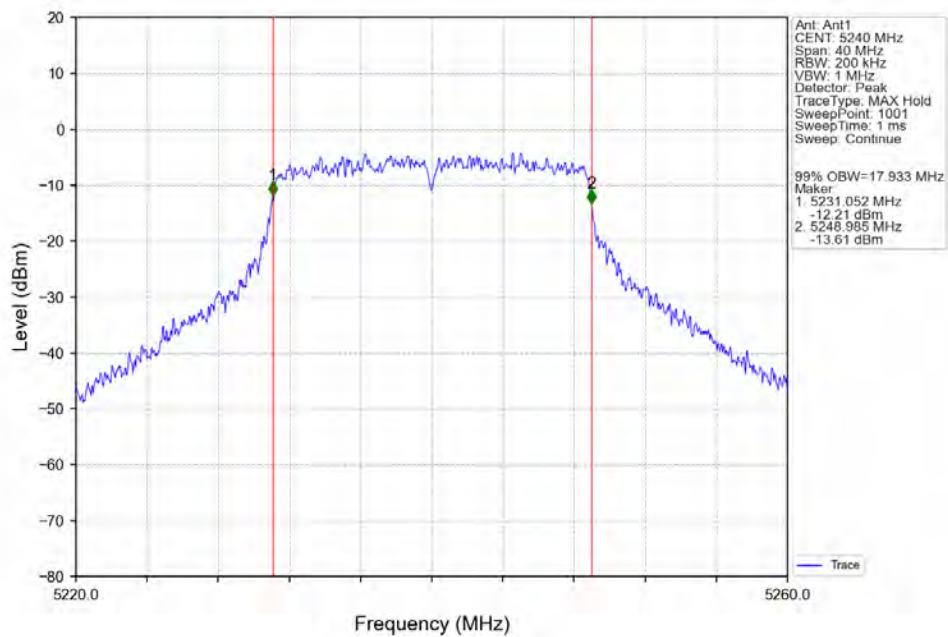
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



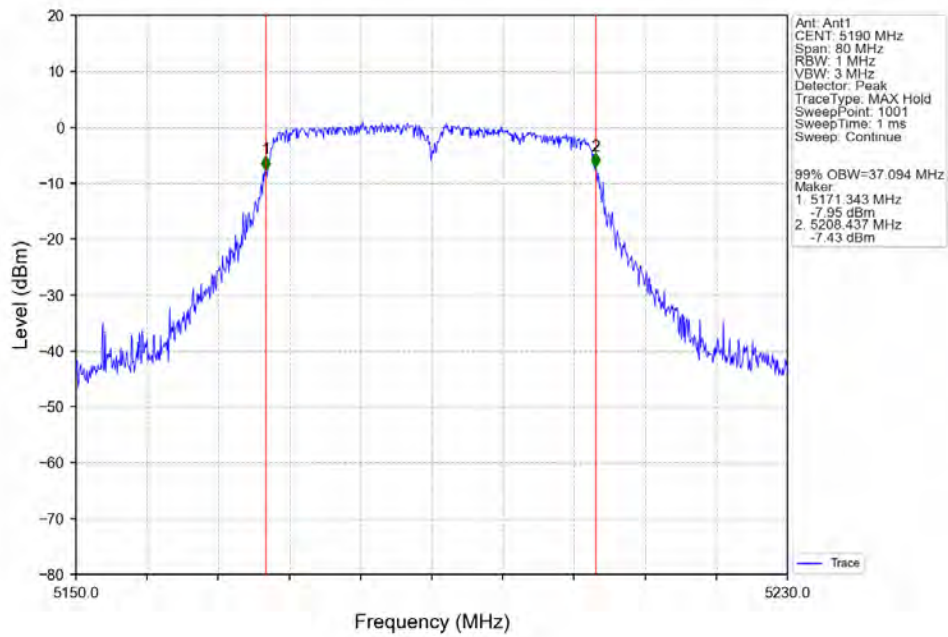
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



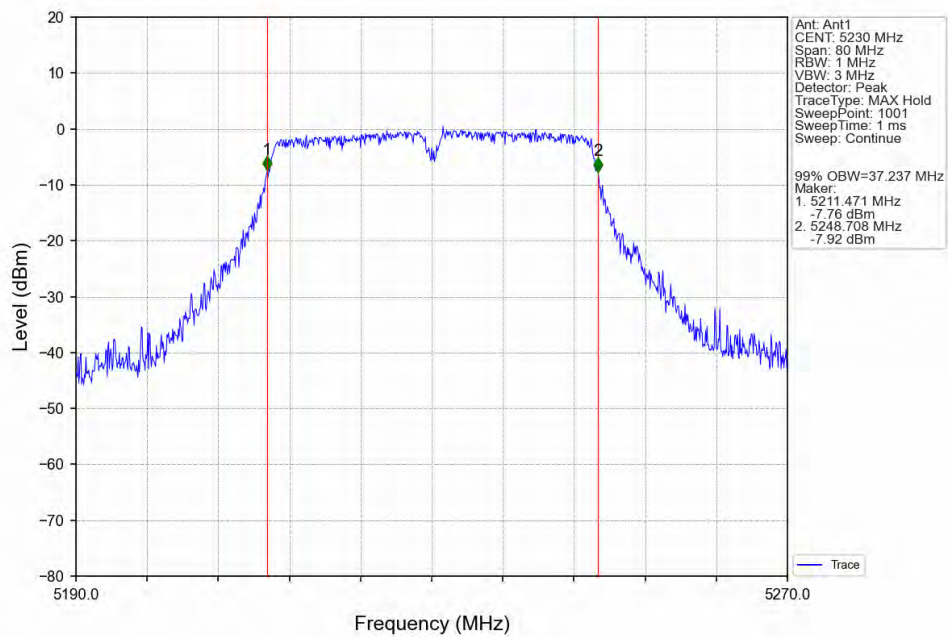
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



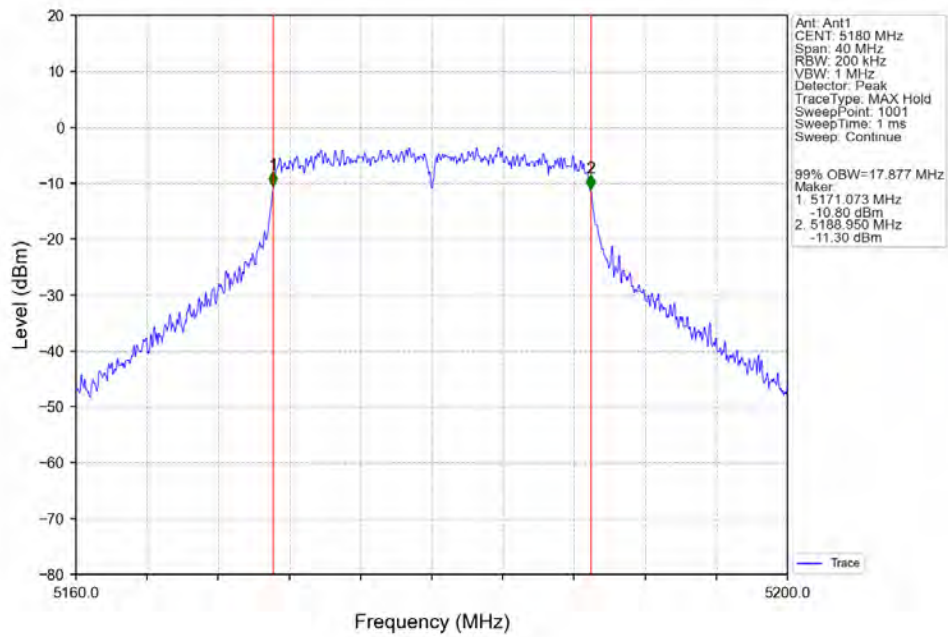
802.11n(HT40) LCH 5190MHz Ant1_NTNV



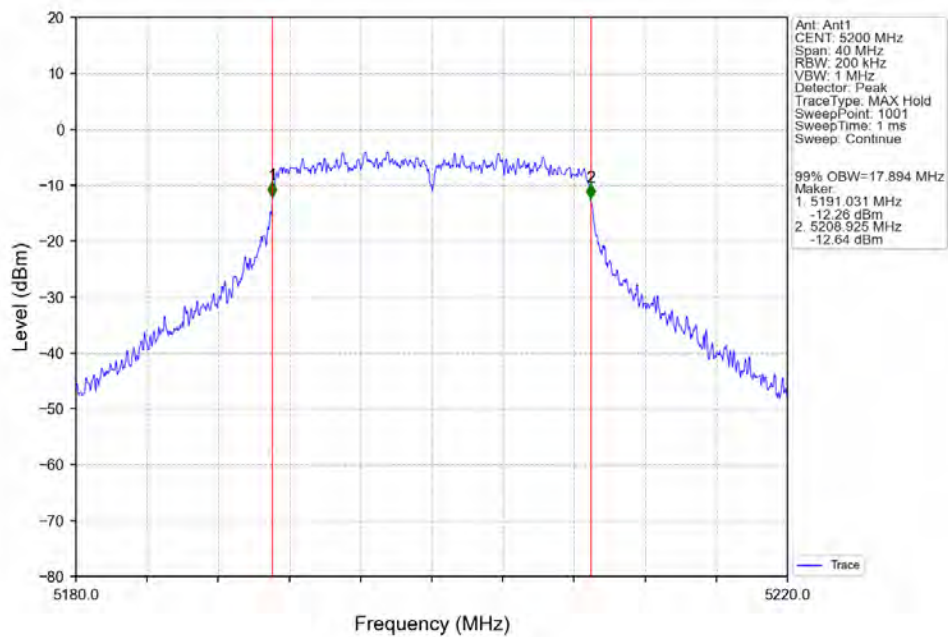
802.11n(HT40) HCH 5230MHz Ant1_NTNV



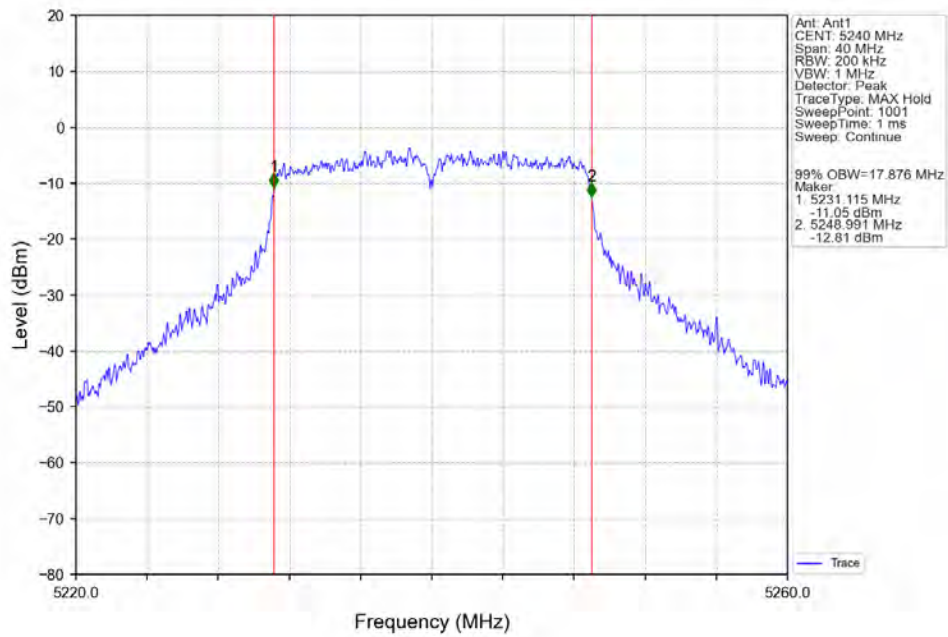
802.11ac(VHT20) LCH_5180MHz_Ant1_NTNV



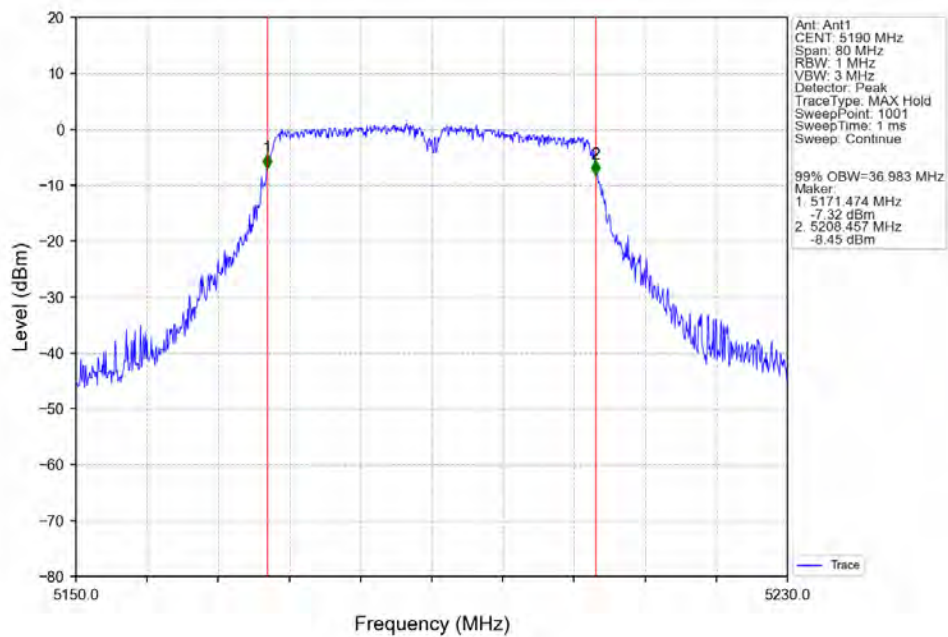
802.11ac(VHT20) MCH_5200MHz_Ant1_NTNV



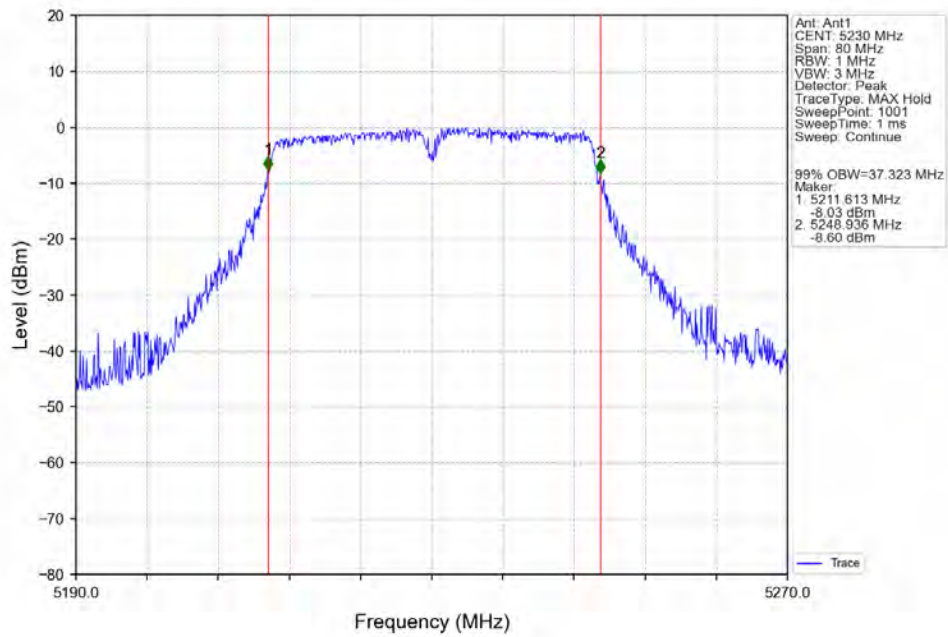
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



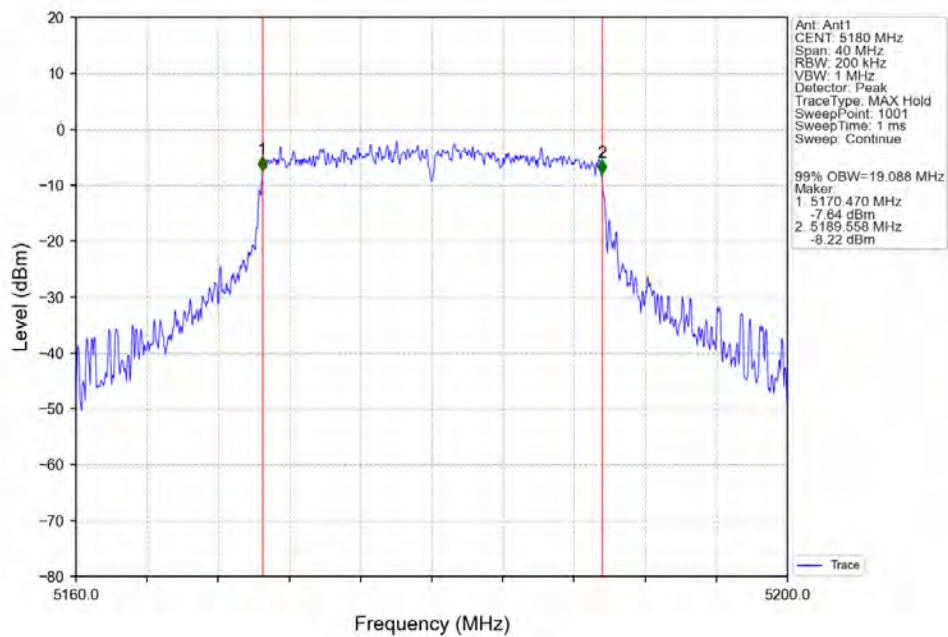
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



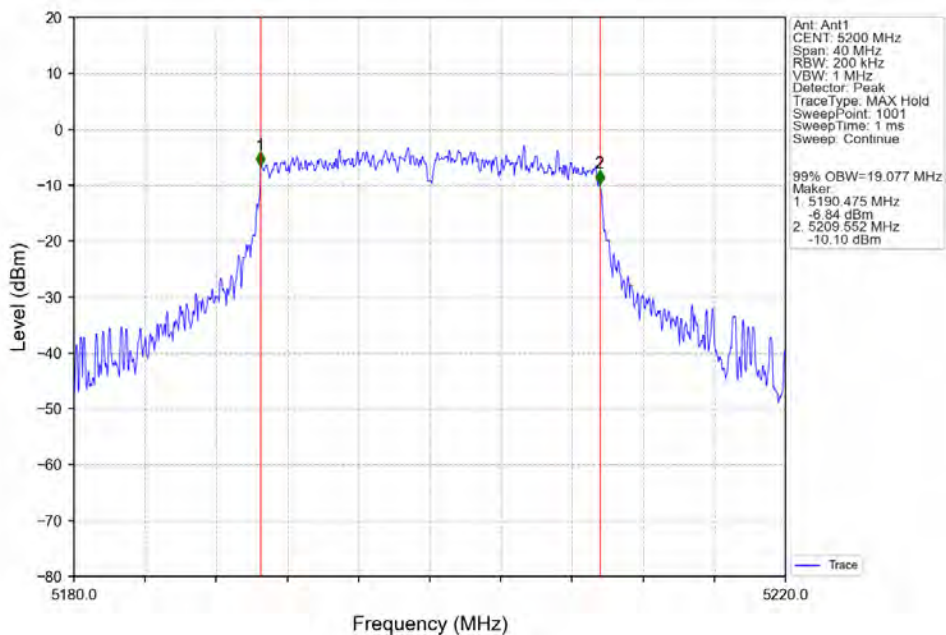
802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



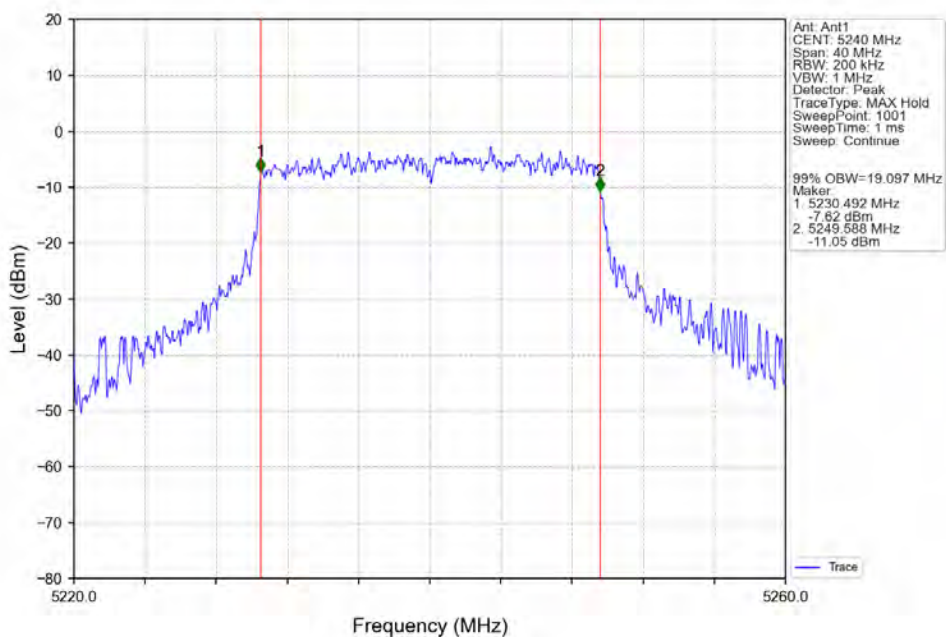
802.11ax(HEW20)_LCH_5180MHz_SU / Ant1_NTNV



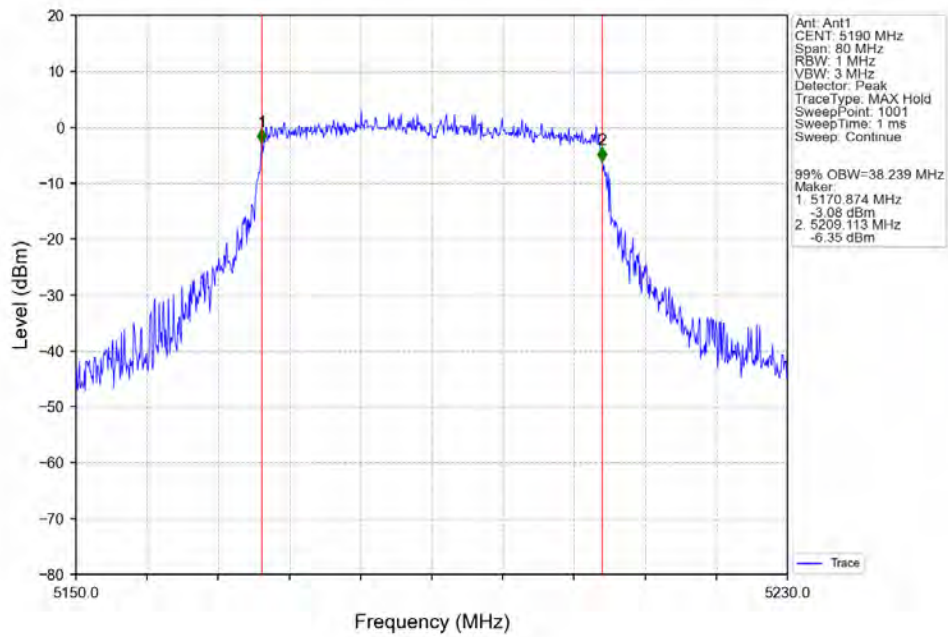
802.11ax(HEW20)_MCH_5200MHz_SU / Ant1_NTNV



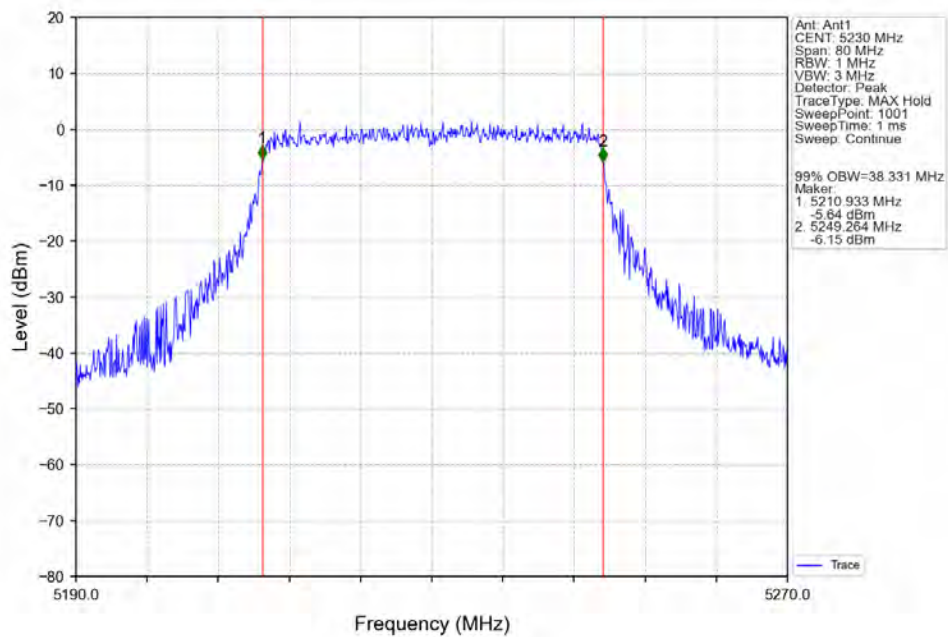
802.11ax(HEW20)_HCH_5240MHz_SU / Ant1_NTNV



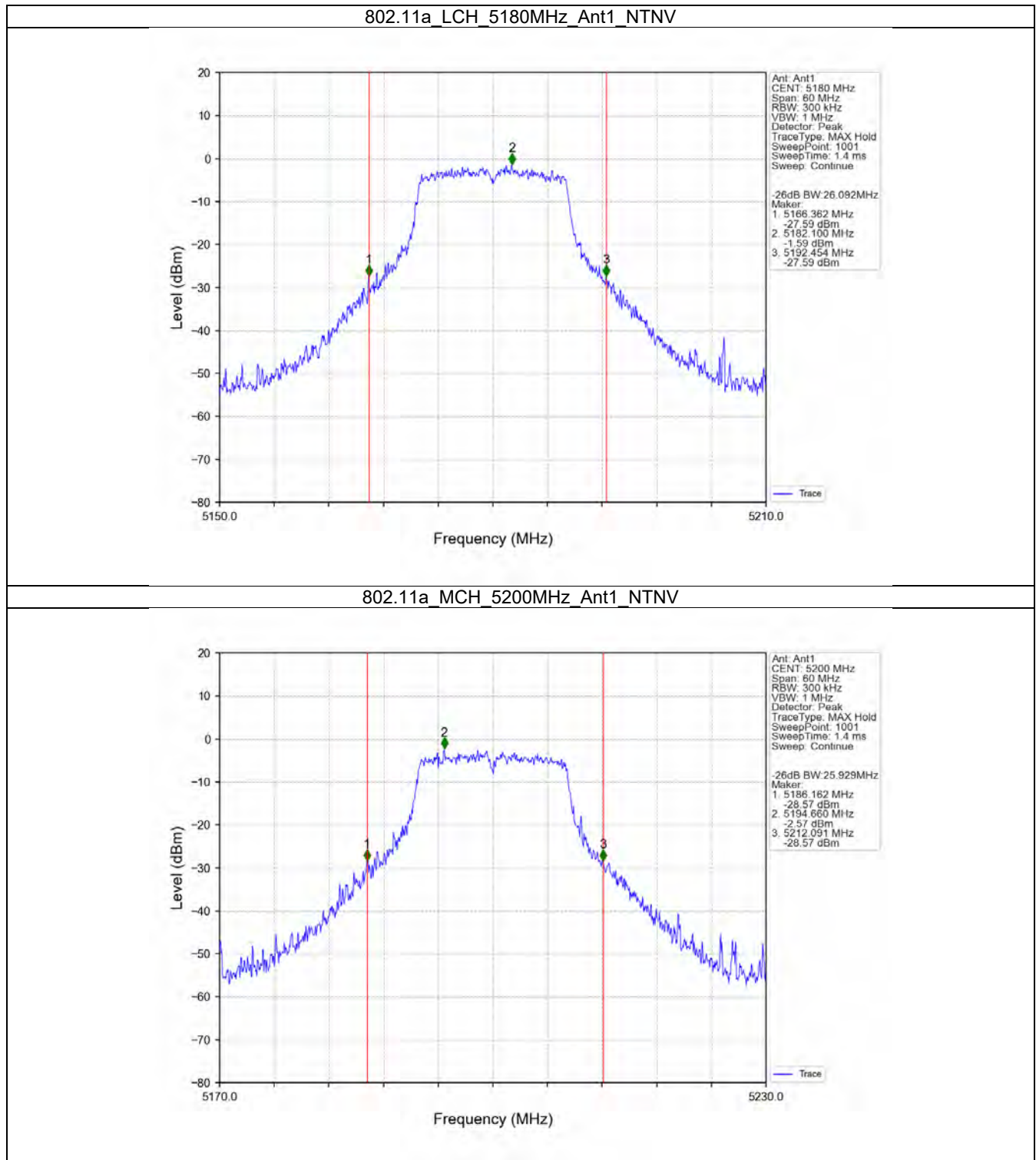
802.11ax(HEW40) LCH_5190MHz_SU_ / _Ant1_NTNV



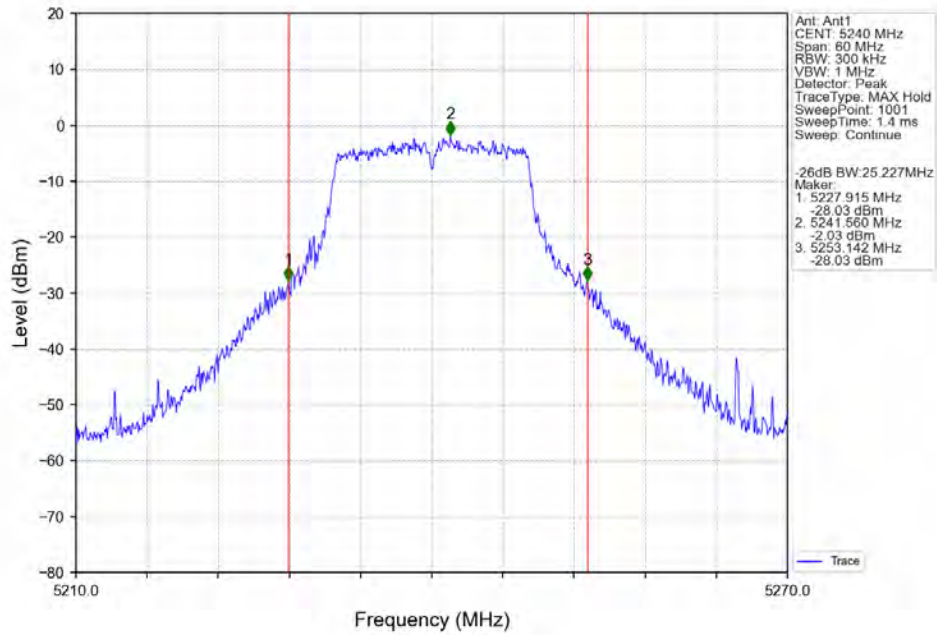
802.11ax(HEW40) HCH_5230MHz_SU_ / _Ant1_NTNV



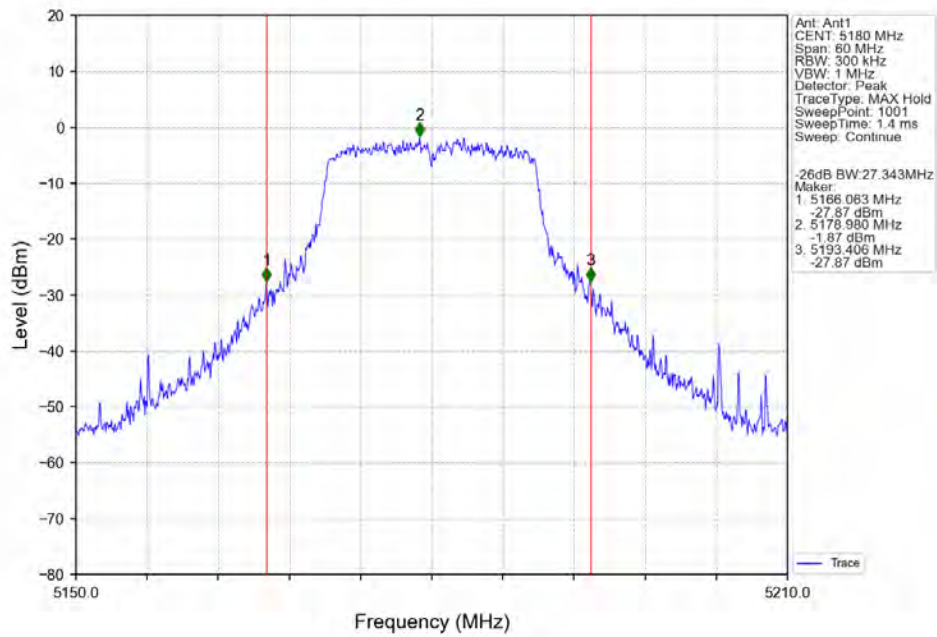
2.2.2 26dB BW



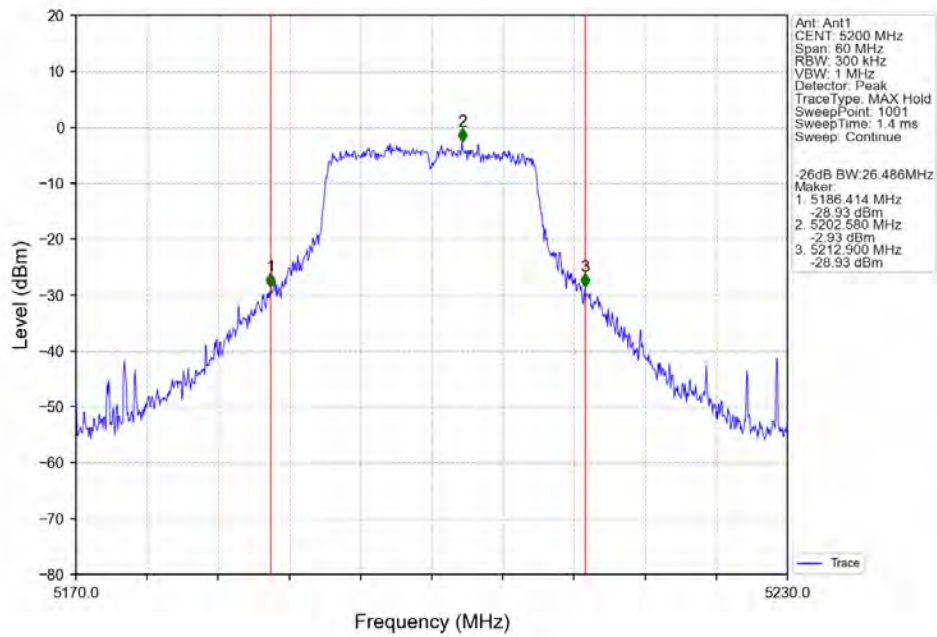
802.11a_HCH_5240MHz_Ant1_NTNV



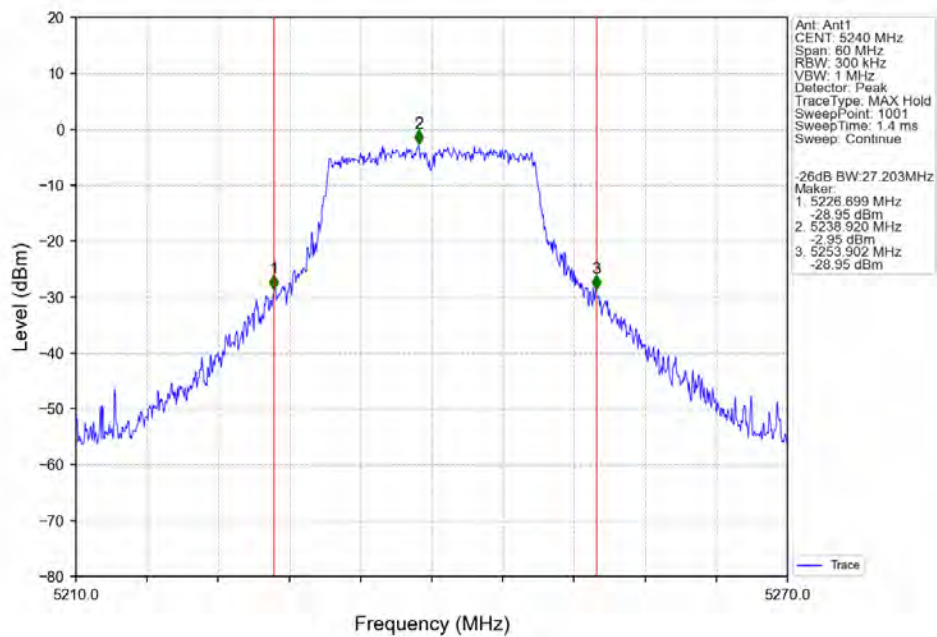
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



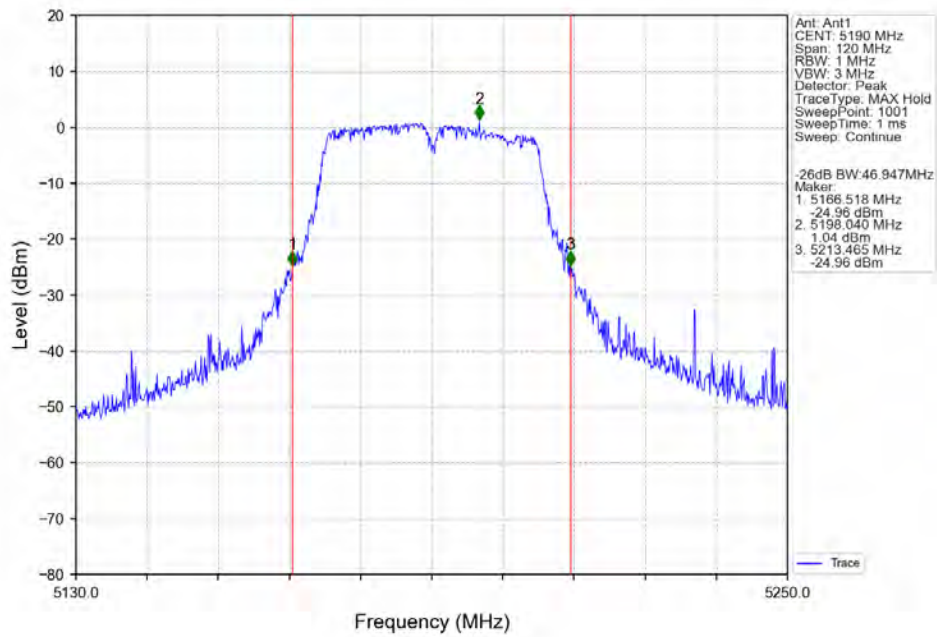
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



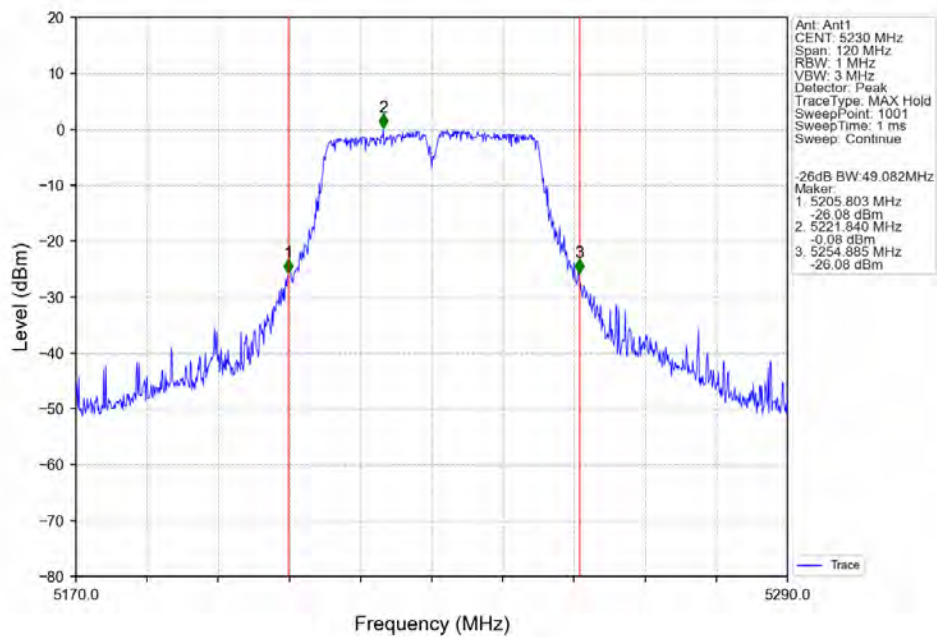
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



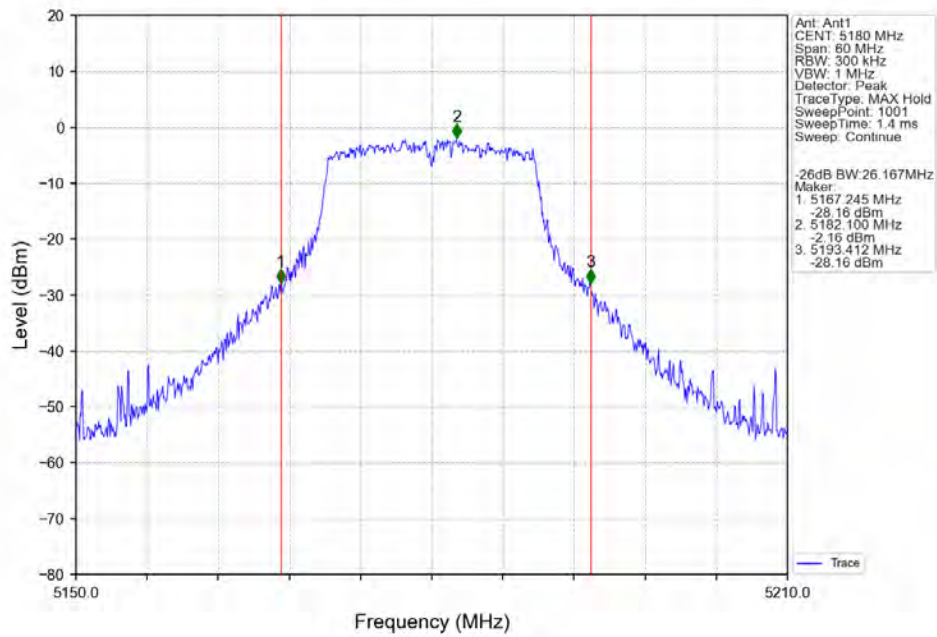
802.11n(HT40) LCH 5190MHz Ant1_NTNV



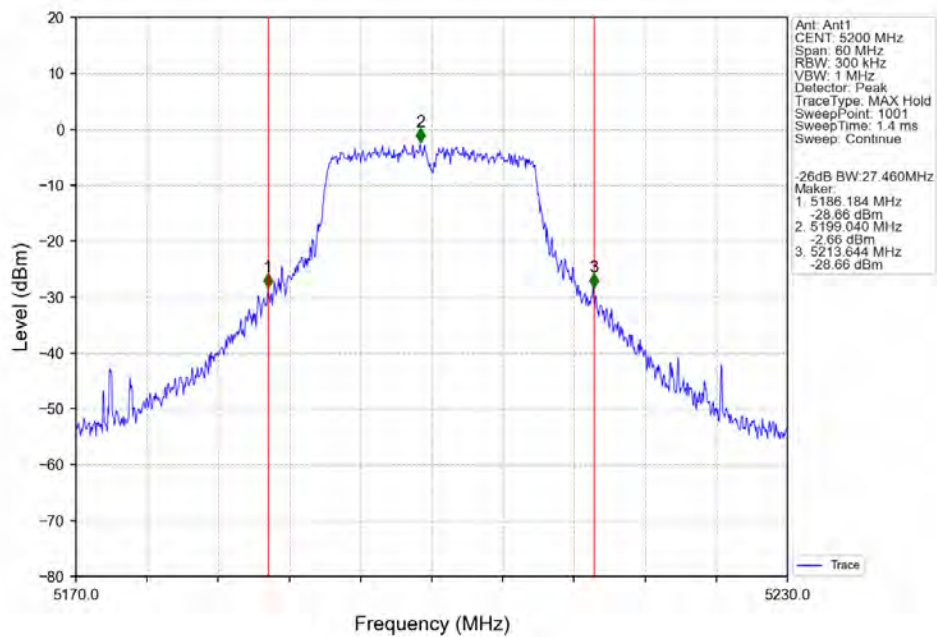
802.11n(HT40) HCH 5230MHz Ant1_NTNV



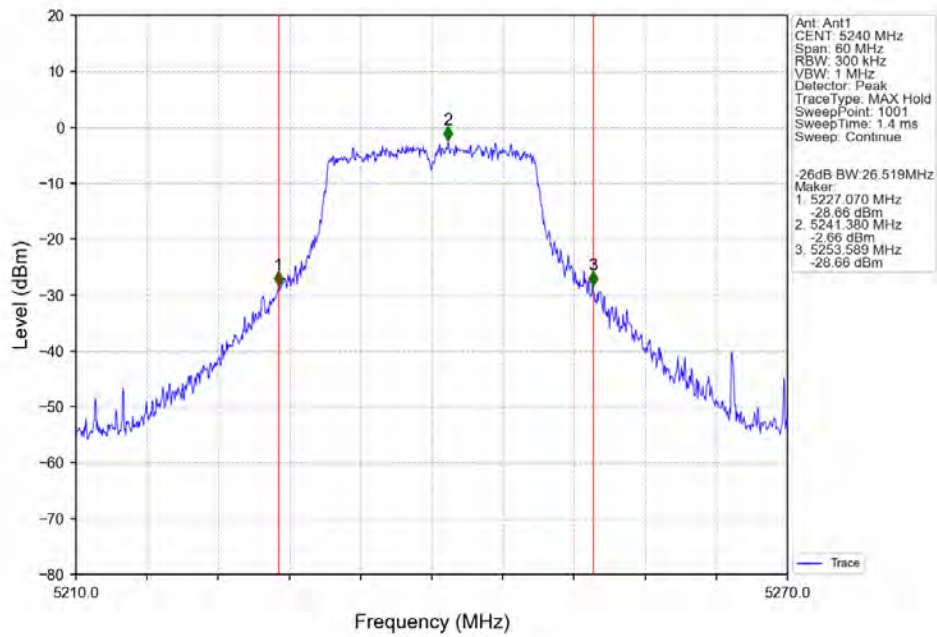
802.11ac(VHT20) LCH_5180MHz_Ant1_NTNV



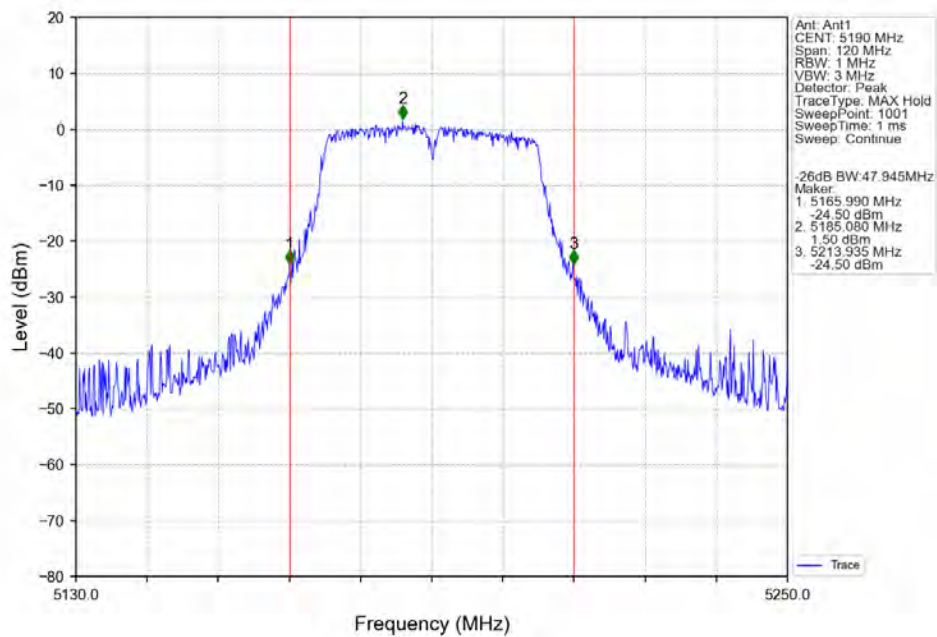
802.11ac(VHT20) MCH_5200MHz_Ant1_NTNV



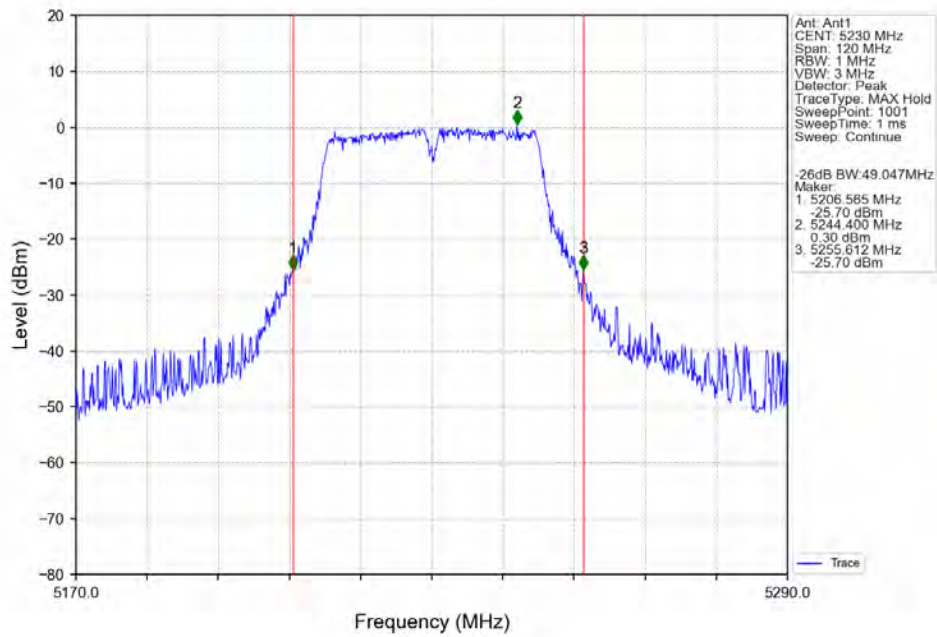
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



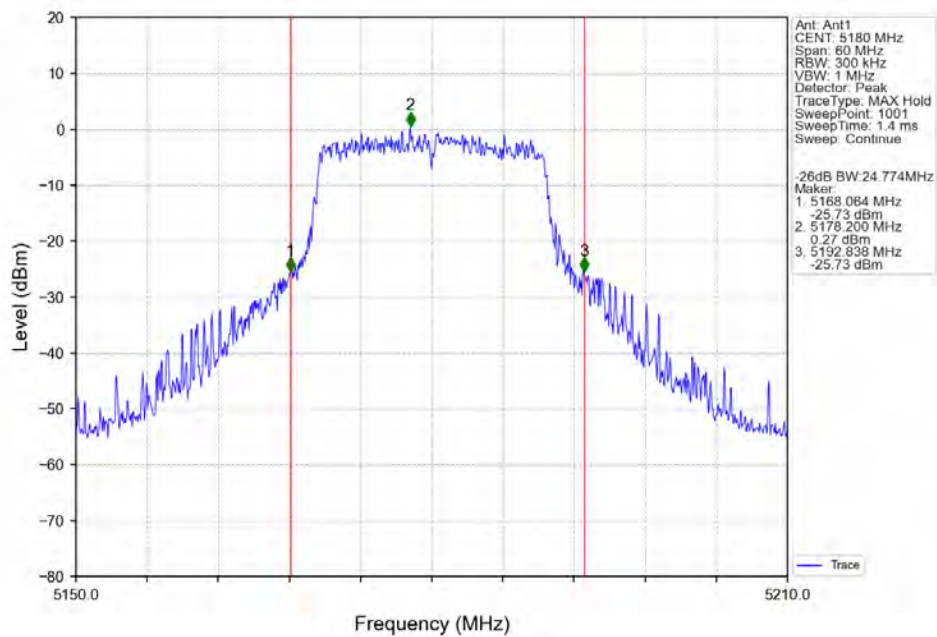
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



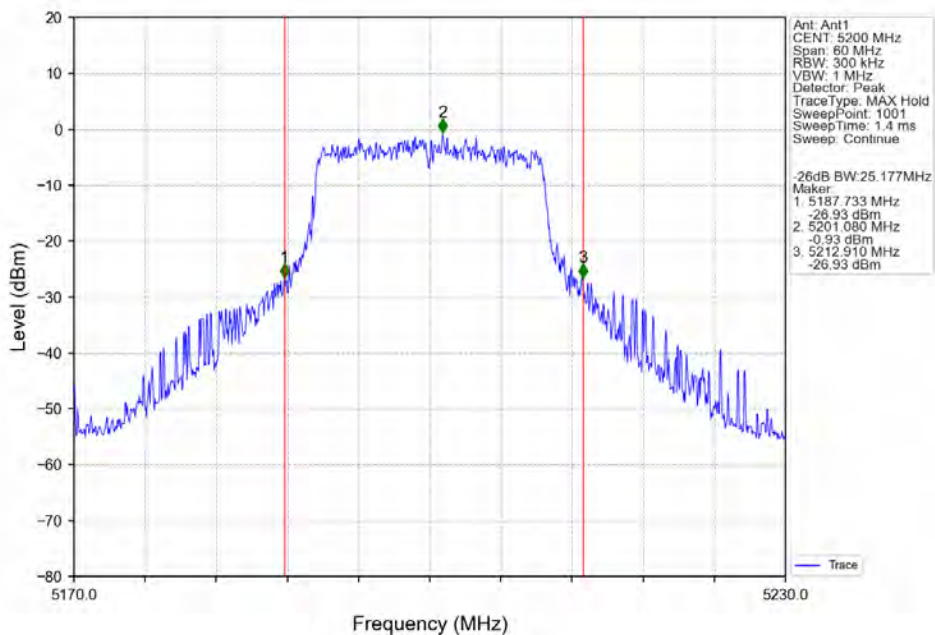
802.11ac(VHT40) HCH_5230MHz_Ant1_NTNV



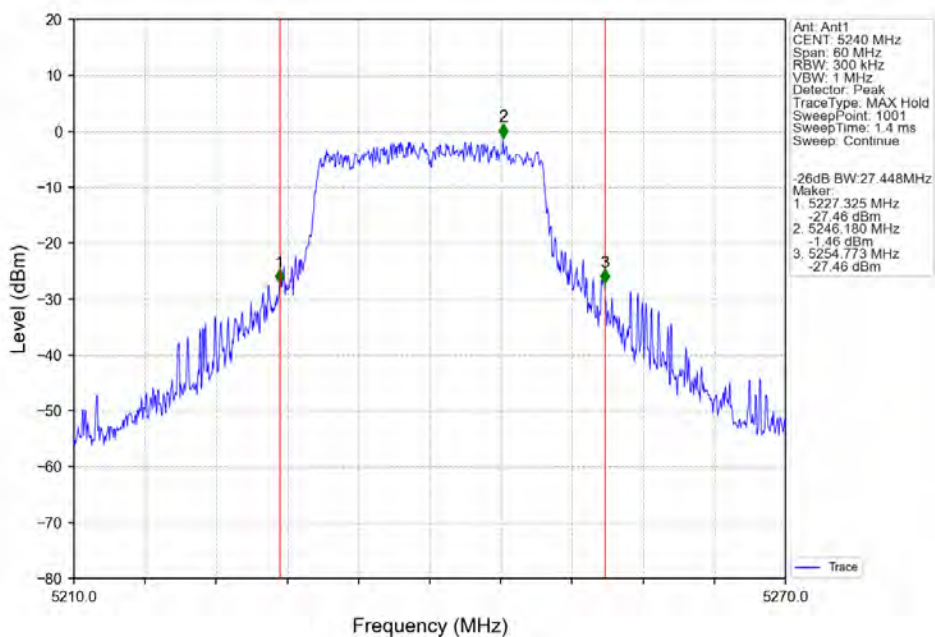
802.11ax(HEW20) LCH_5180MHz_SU / Ant1_NTNV



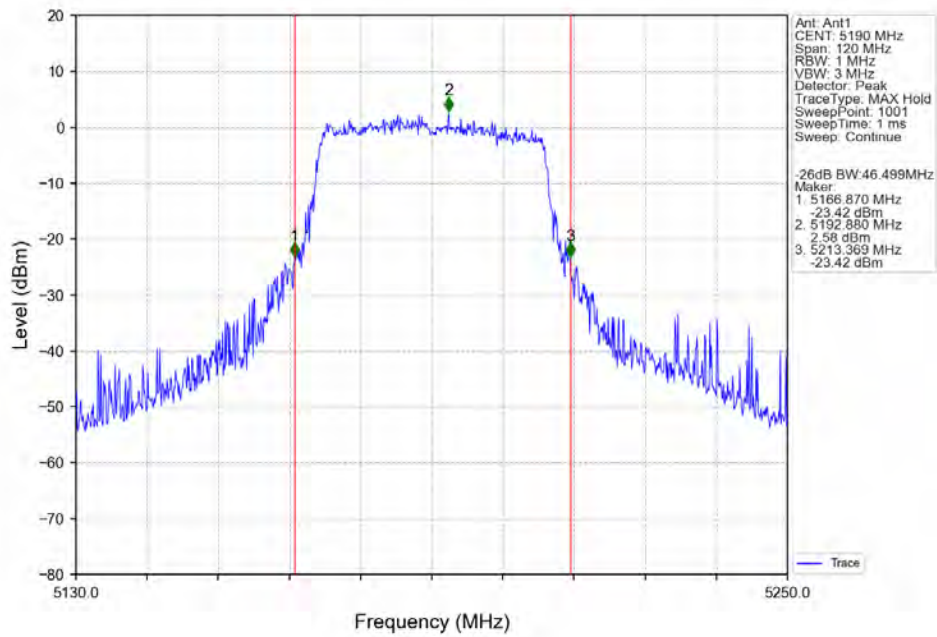
802.11ax(HEW20)_MCH_5200MHz_SU / Ant1_NTNV



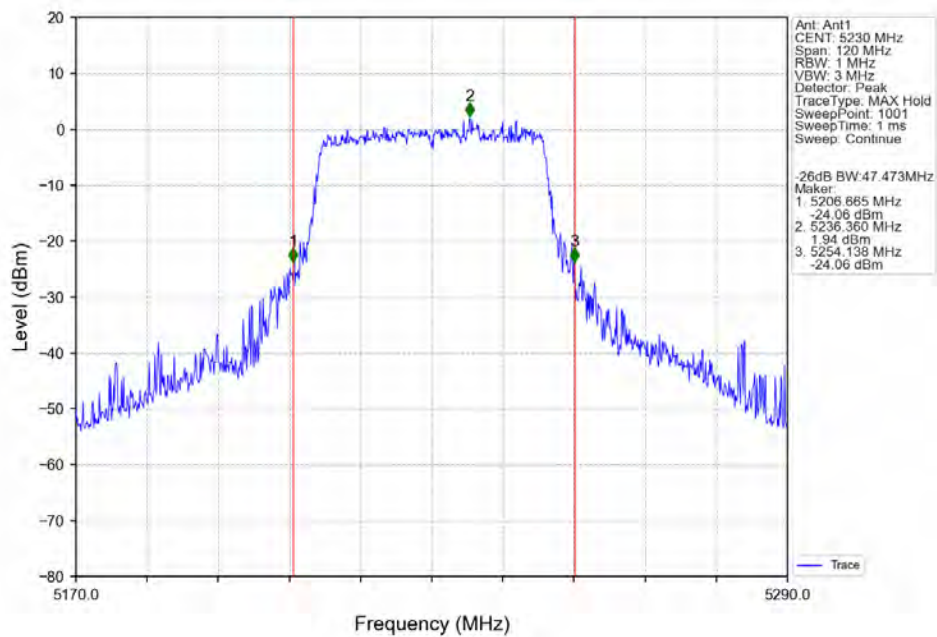
802.11ax(HEW20)_HCH_5240MHz_SU / Ant1_NTNV



802.11ax(HEW40) LCH_5190MHz_SU_/_Ant1_NTNV



802.11ax(HEW40) HCH_5230MHz_SU_/_Ant1_NTNV



3. Maximum Conducted Output Power

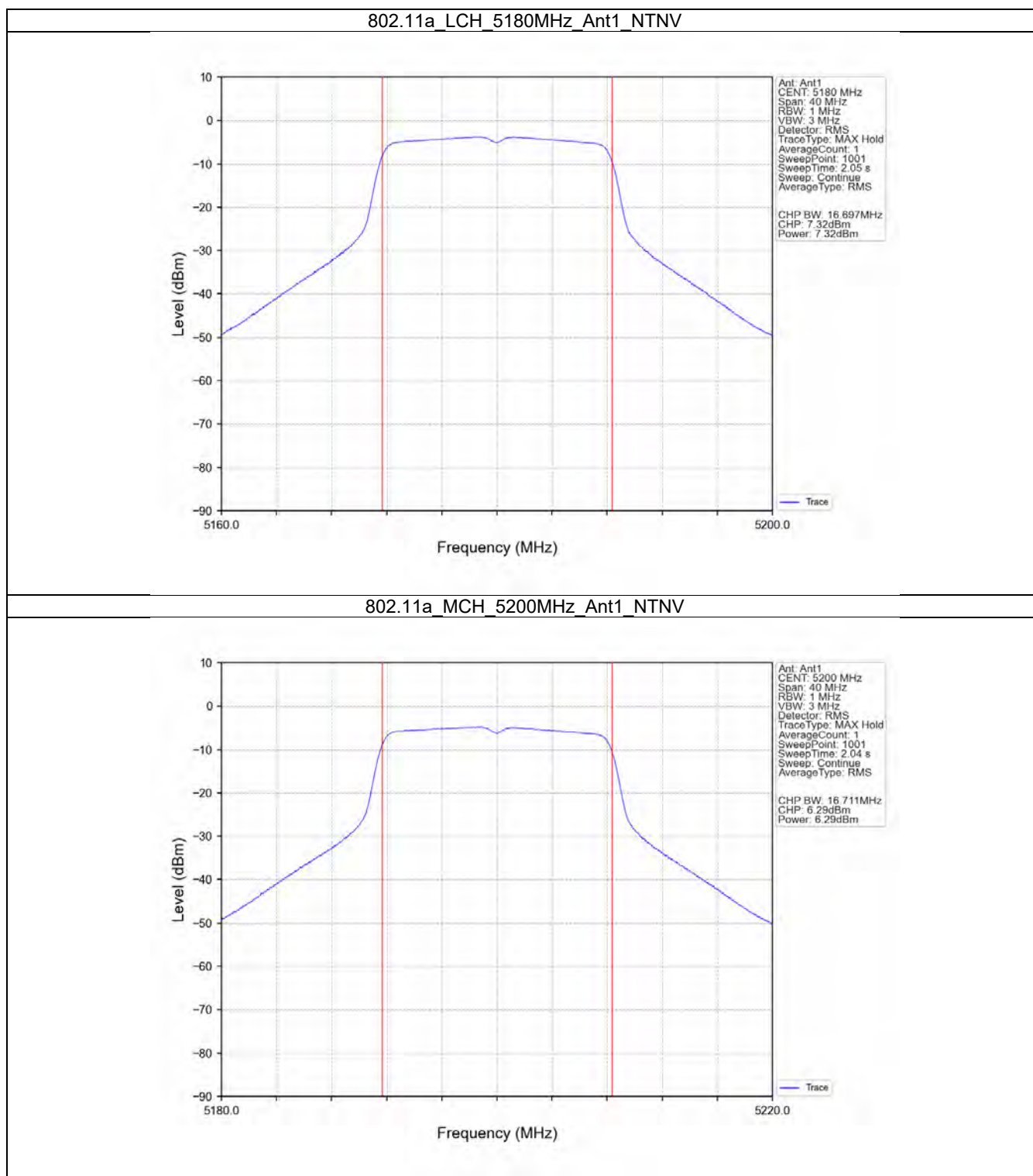
3.1 Test Result

3.1.1 Power

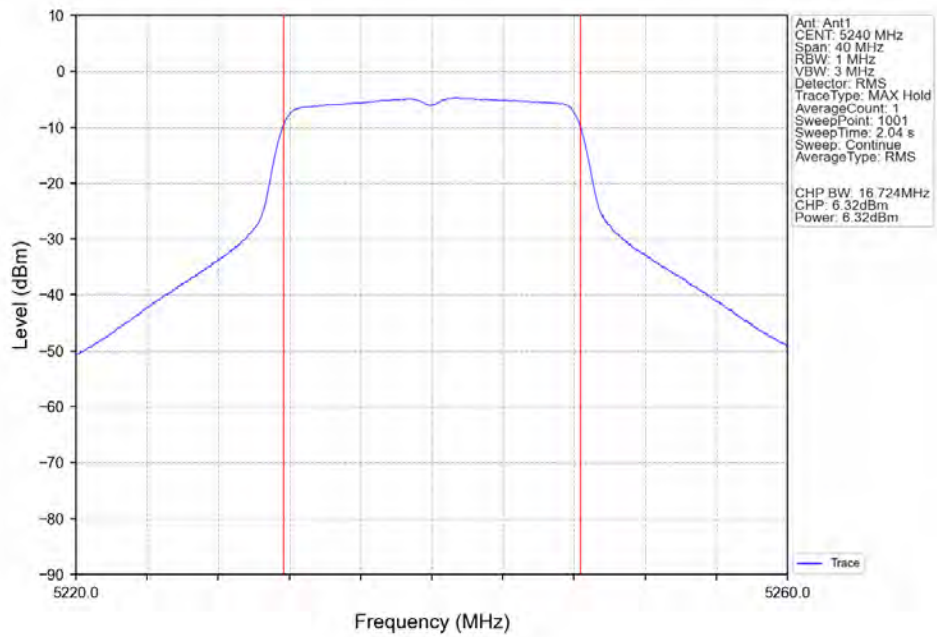
Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)				Verdict
			Reading	Duty Cycle factor	Final Result	Limit	
802.11a	SISO	5180	7.32	1.13	8.45	<=23.98	Pass
		5200	6.29	1.24	7.53	<=23.98	Pass
		5240	6.32	1.39	7.71	<=23.98	Pass
802.11n (HT20)	SISO	5180	7.10	0.58	7.68	<=23.98	Pass
		5200	6.30	0.89	7.19	<=23.98	Pass
		5240	6.35	0.49	6.84	<=23.98	Pass
802.11n (HT40)	SISO	5190	6.98	1.97	8.95	<=23.98	Pass
		5230	6.35	0.75	7.10	<=23.98	Pass
802.11ac (VHT20)	SISO	5180	7.34	0.96	8.30	<=23.98	Pass
		5200	6.54	1.36	7.90	<=23.98	Pass
		5240	6.51	0.37	6.88	<=23.98	Pass
802.11ac (VHT40)	SISO	5190	7.08	0.75	7.83	<=23.98	Pass
		5230	6.36	0.75	7.11	<=23.98	Pass
802.11ax (HEW20)	SISO	5180	7.42	1.41	8.83	<=23.98	Pass
		5200	6.52	1.69	8.21	<=23.98	Pass
		5240	6.44	1.00	7.44	<=23.98	Pass
802.11ax (HEW40)	SISO	5190	7.20	0.86	8.06	<=23.98	Pass
		5230	6.41	0.69	7.10	<=23.98	Pass

3.2 Test Graph

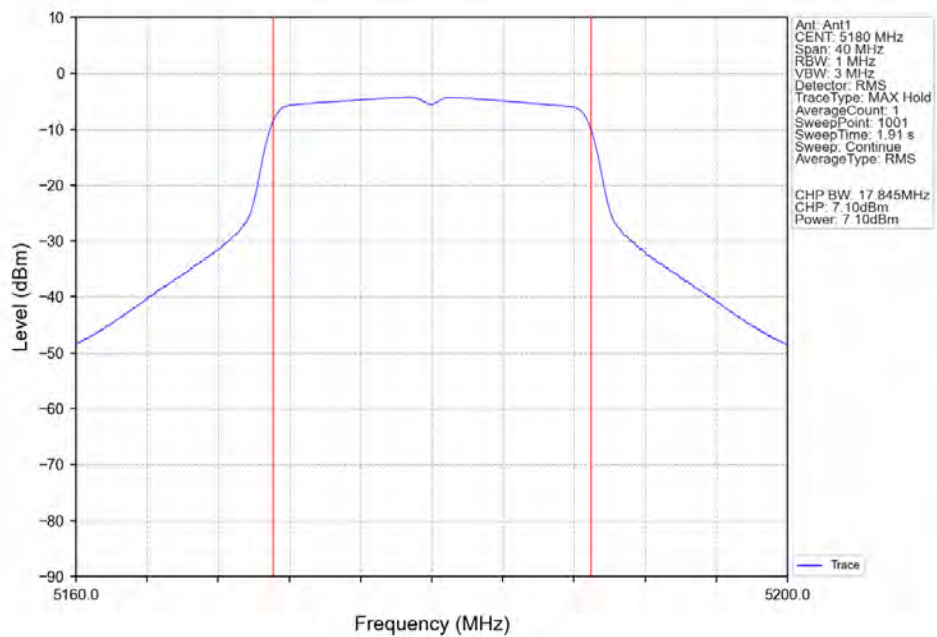
3.2.1 Power



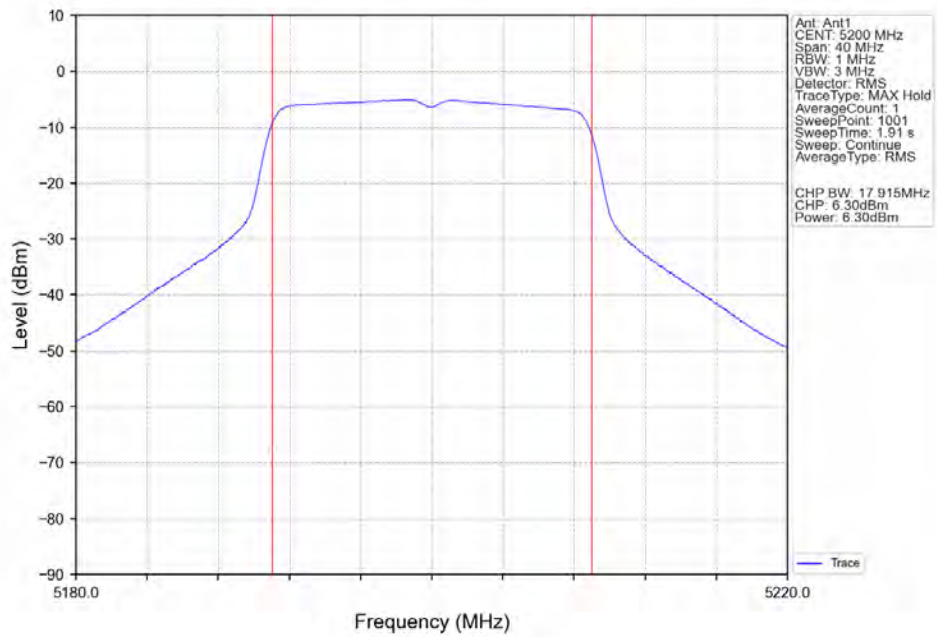
802.11a_HCH_5240MHz_Ant1_NTNV



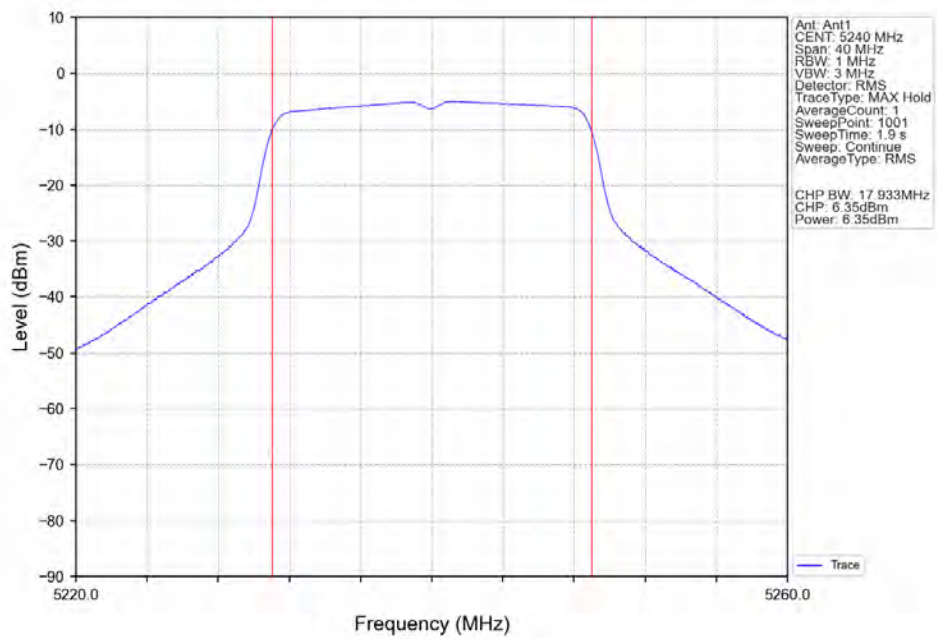
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



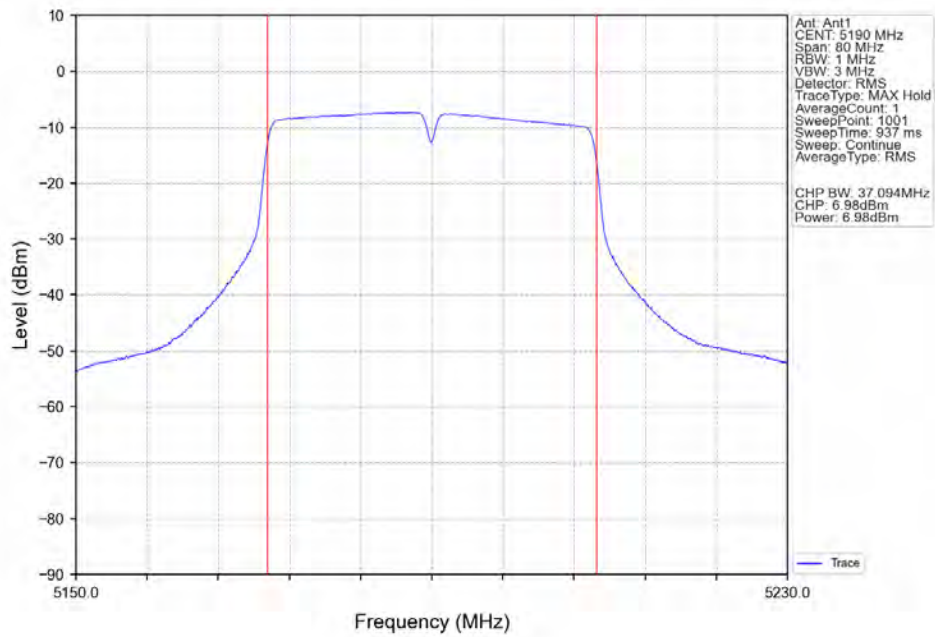
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



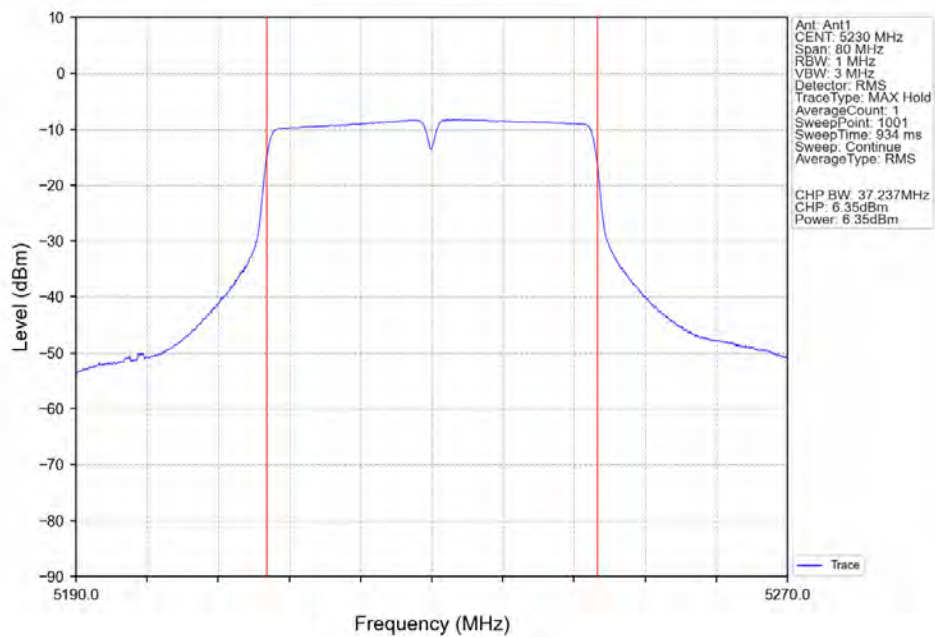
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



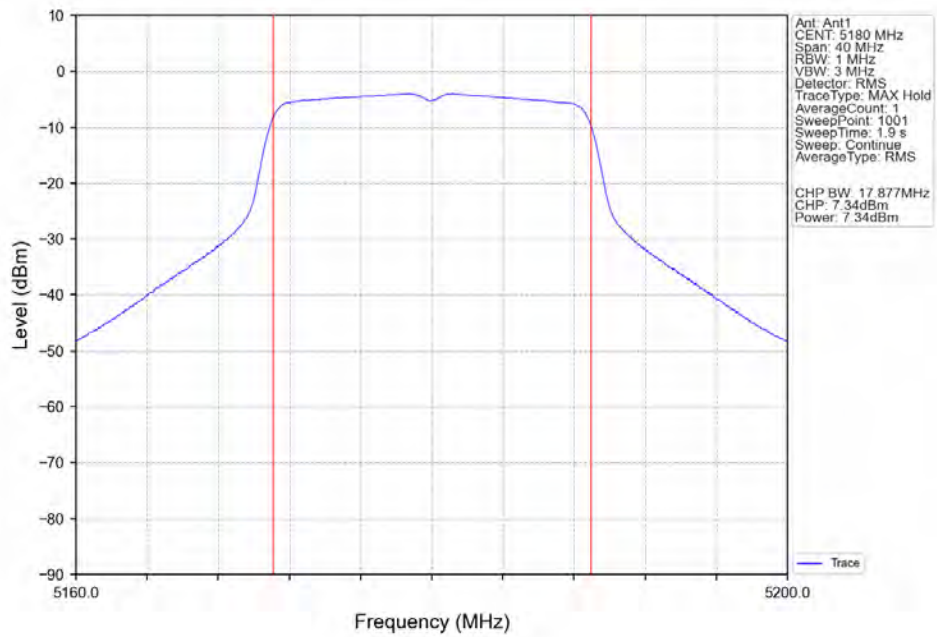
802.11n(HT40) LCH 5190MHz_Ant1_NTNV



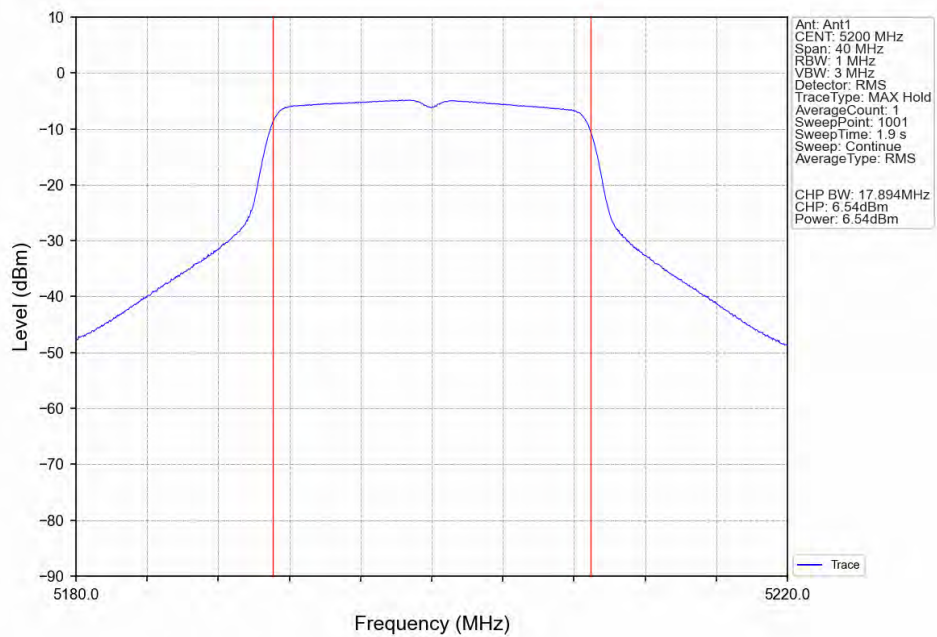
802.11n(HT40) HCH 5230MHz_Ant1_NTNV



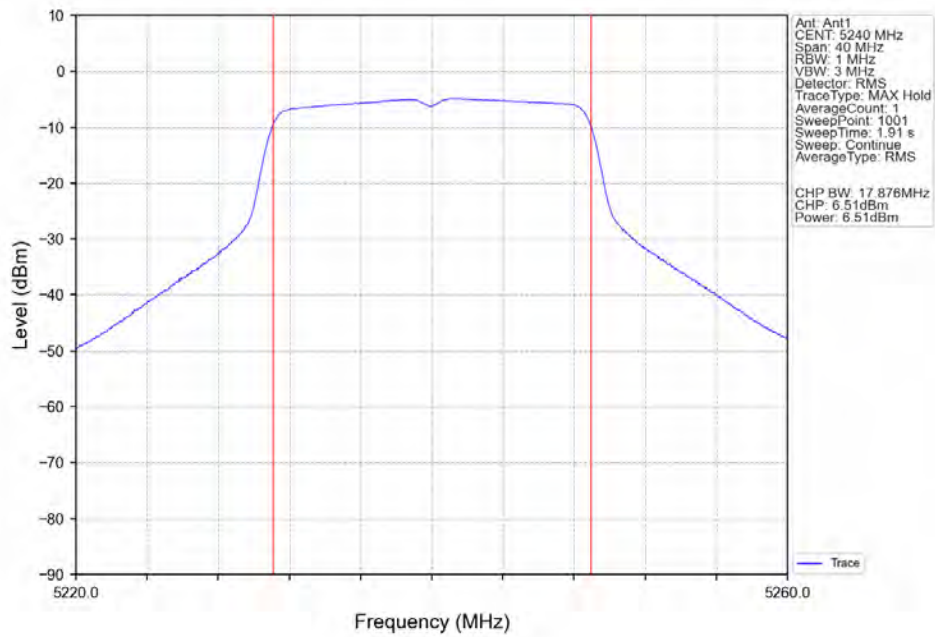
802.11ac(VHT20) LCH_5180MHz_Ant1_NTNV



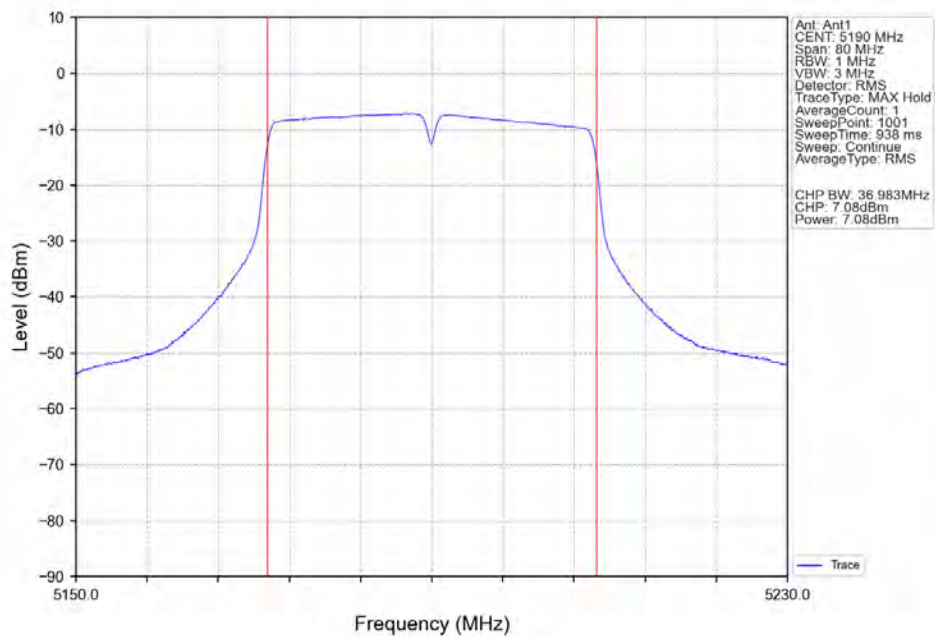
802.11ac(VHT20) MCH_5200MHz_Ant1_NTNV



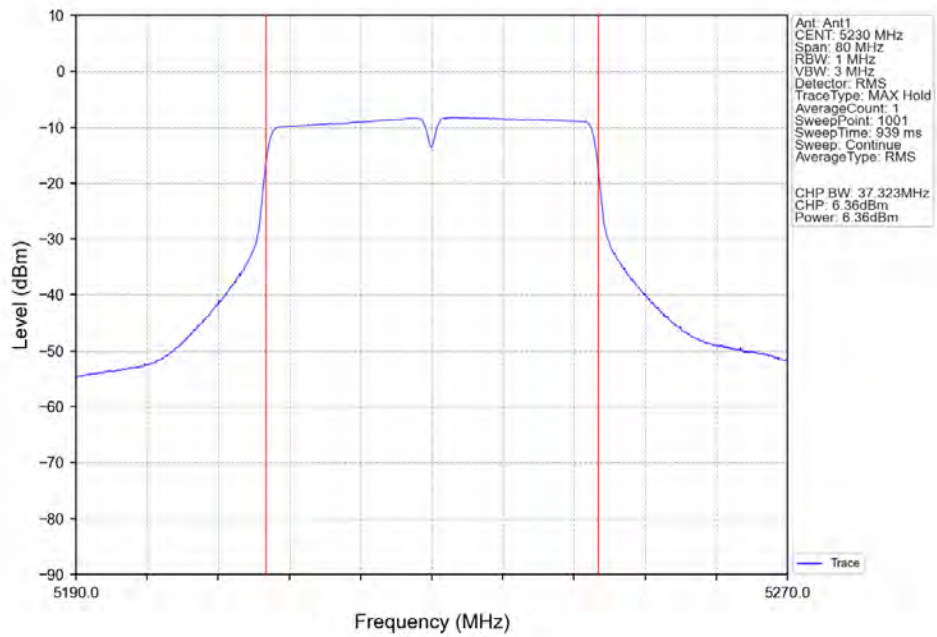
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



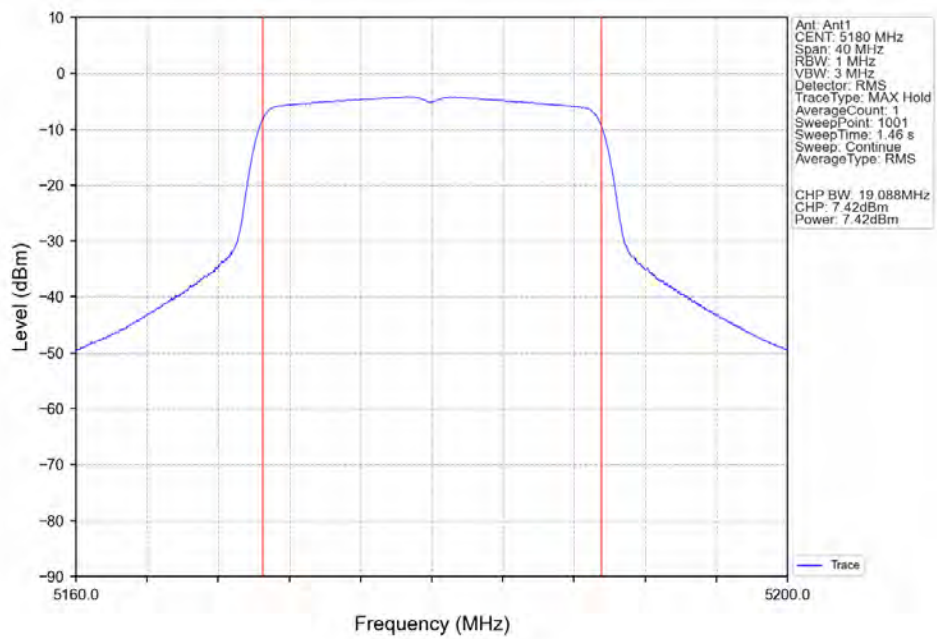
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



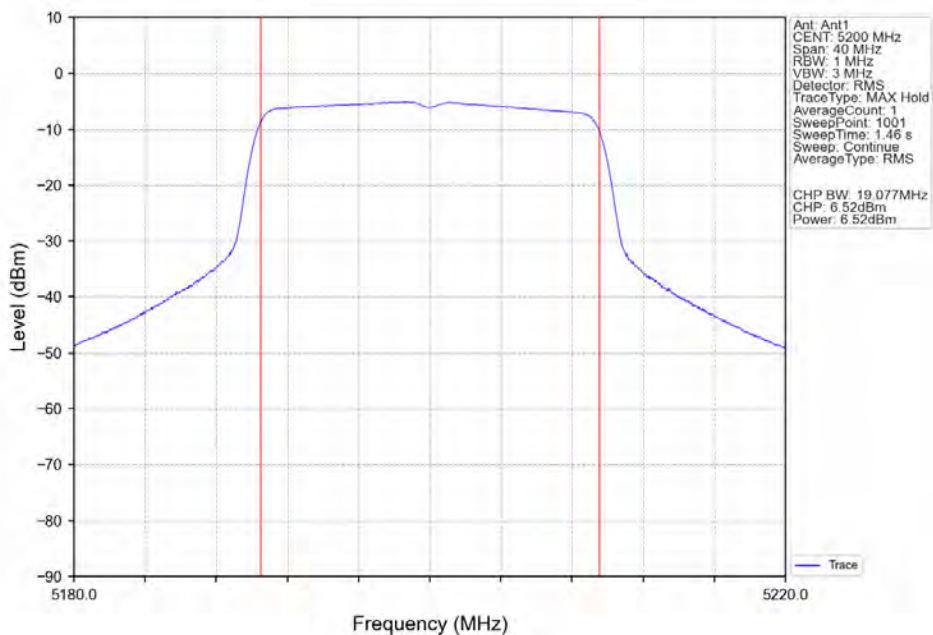
802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



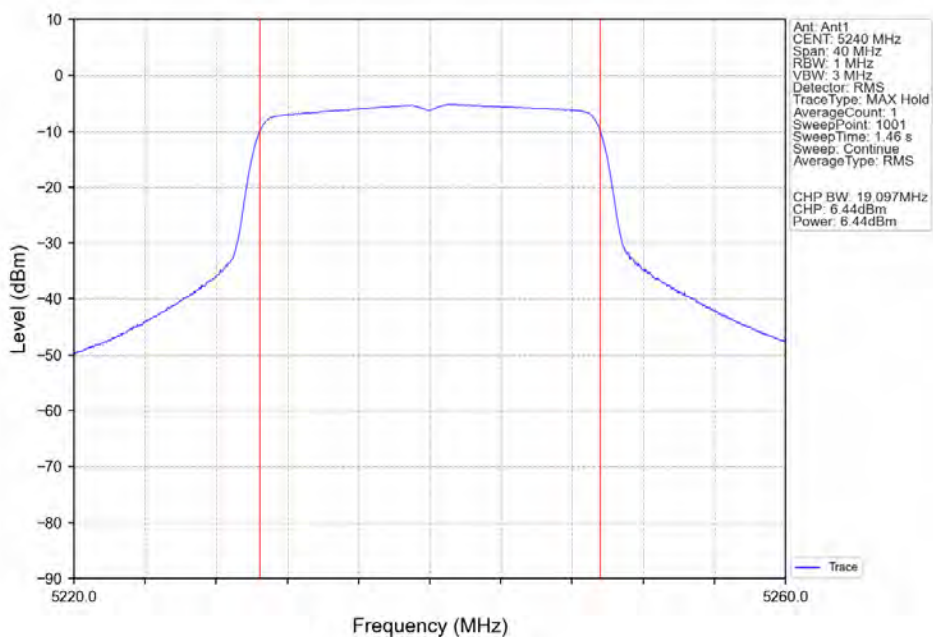
802.11ax(HEW20)_LCH_5180MHz_SU / Ant1_NTNV



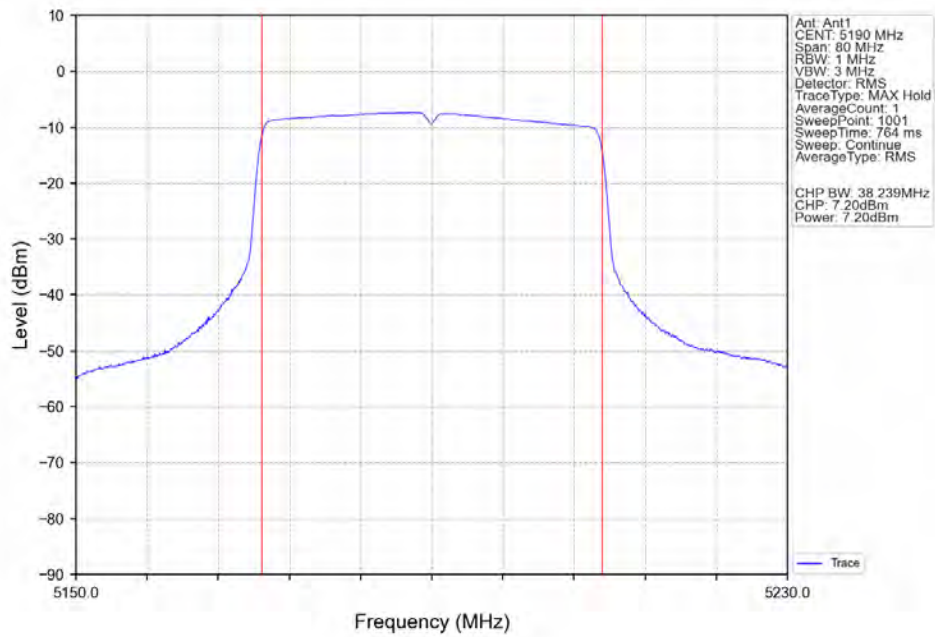
802.11ax(HEW20) MCH_5200MHz_SU / Ant1_NTNV



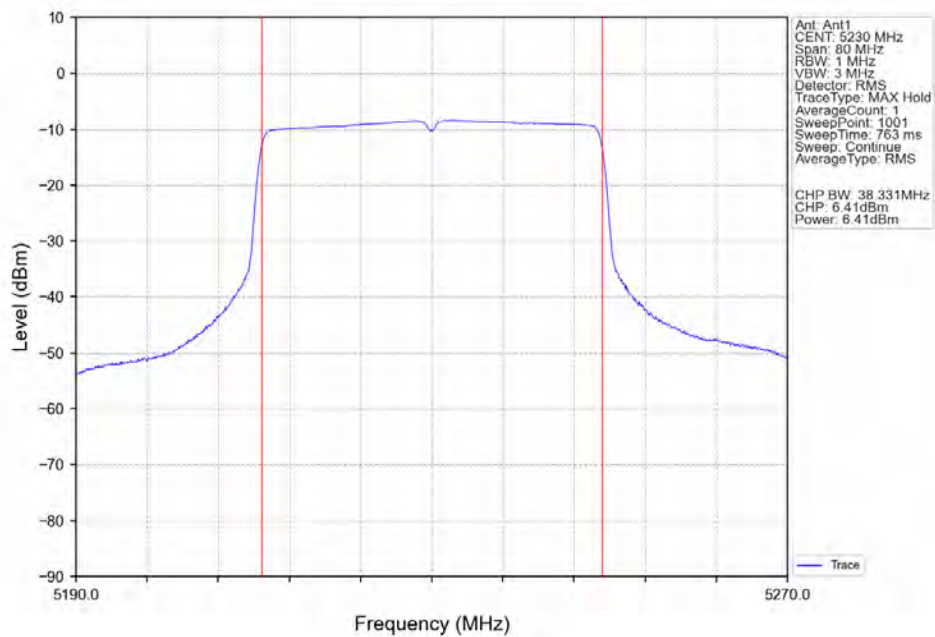
802.11ax(HEW20) HCH_5240MHz_SU / Ant1_NTNV



802.11ax(HEW40)_LCH_5190MHz_SU_/_Ant1_NTNV



802.11ax(HEW40)_HCH_5230MHz_SU_/_Ant1_NTNV



4. Maximum Power Spectral Density

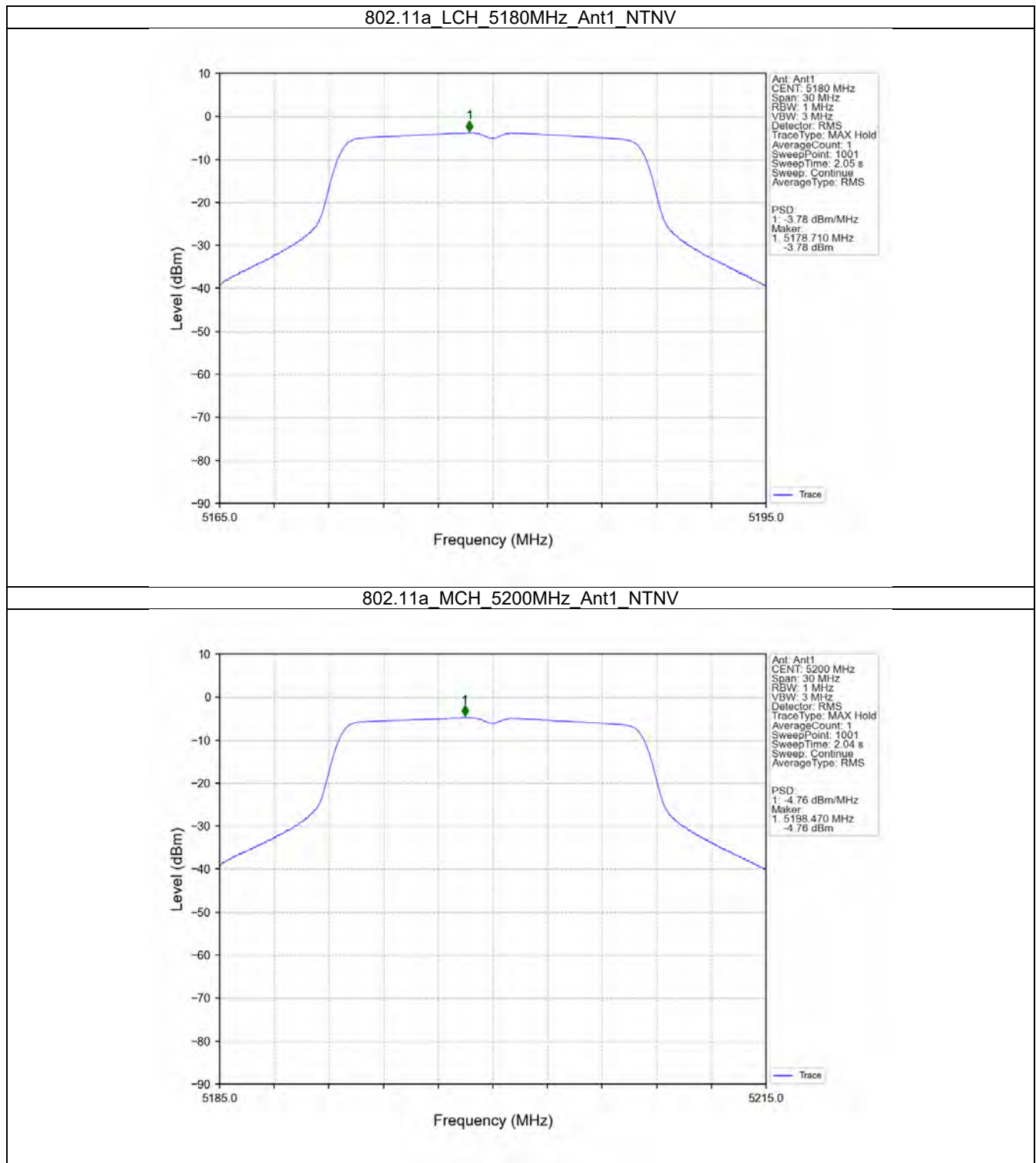
4.1 Test Result

4.1.1 PSD

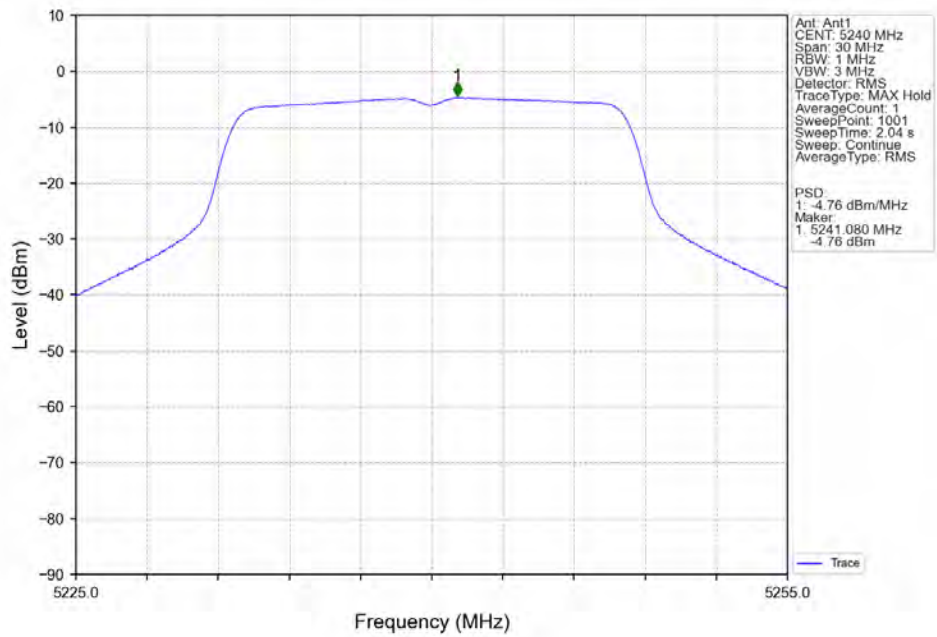
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/MHz)				Verdict
			Reading	Duty cycle factor	Final result	Limit	
802.11a	SISO	5180	-3.78	1.13	-2.65	<=11	Pass
		5200	-4.76	1.24	-3.52	<=11	Pass
		5240	-4.76	1.39	-3.37	<=11	Pass
802.11n (HT20)	SISO	5180	-4.11	0.58	-3.53	<=11	Pass
		5200	-4.98	0.89	-4.09	<=11	Pass
		5240	-4.96	0.49	-4.47	<=11	Pass
802.11n (HT40)	SISO	5190	-7.35	1.97	-5.38	<=11	Pass
		5230	-8.14	0.75	-7.39	<=11	Pass
802.11ac (VHT20)	SISO	5180	-4.01	0.96	-3.05	<=11	Pass
		5200	-4.80	1.36	-3.44	<=11	Pass
		5240	-4.86	0.37	-4.49	<=11	Pass
802.11ac (VHT40)	SISO	5190	-7.23	0.75	-6.48	<=11	Pass
		5230	-8.20	0.75	-7.45	<=11	Pass
802.11ax (HEW20)	SISO	5180	-4.12	1.41	-2.71	<=11	Pass
		5200	-5.05	1.69	-3.36	<=11	Pass
		5240	-5.18	1	-4.18	<=11	Pass
802.11ax (HEW40)	SISO	5190	-7.32	0.86	-6.46	<=11	Pass
		5230	-8.35	0.69	-7.66	<=11	Pass

4.2 Test Graph

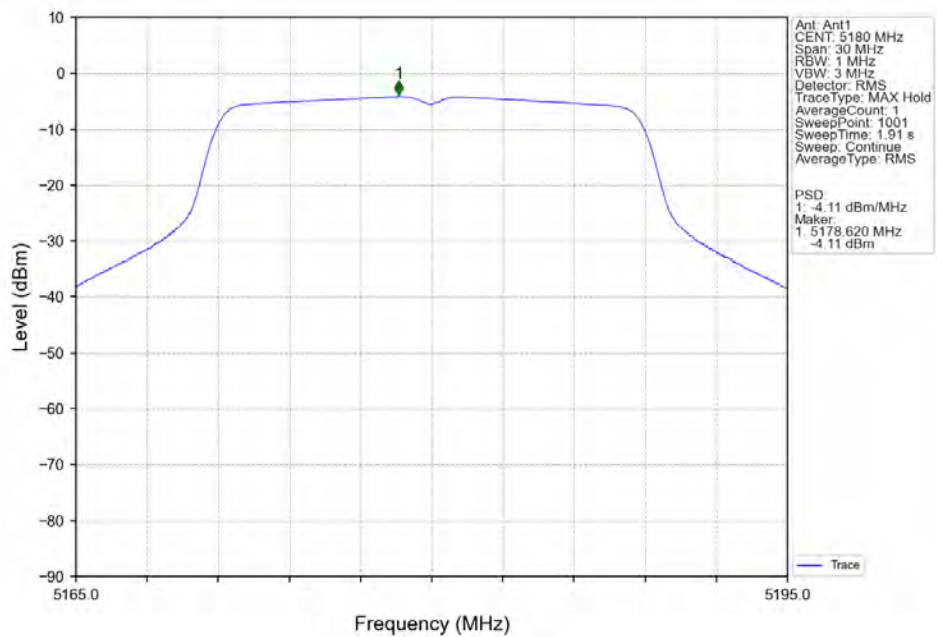
4.2.1 PSD



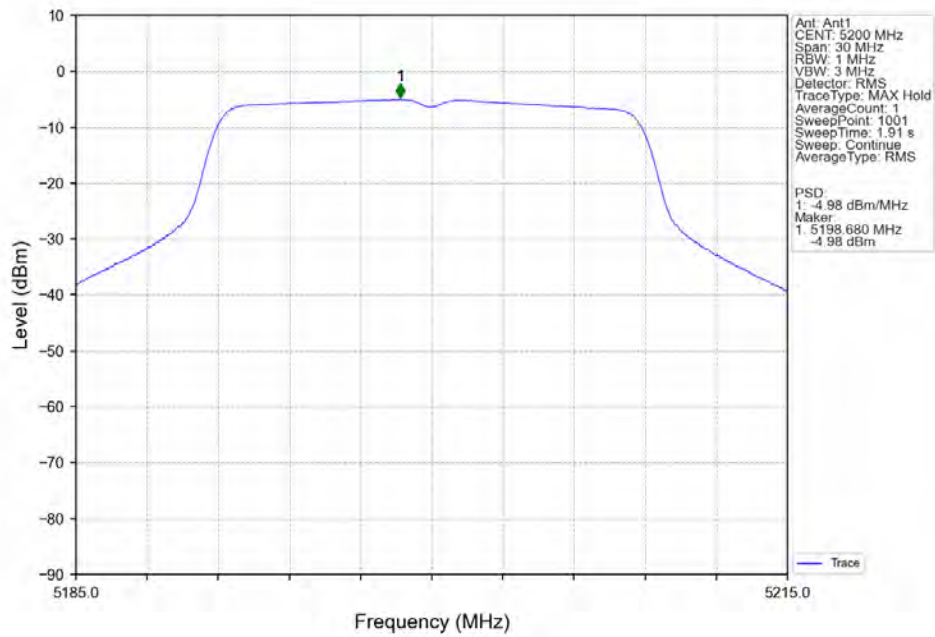
802.11a_HCH_5240MHz_Ant1_NTNV



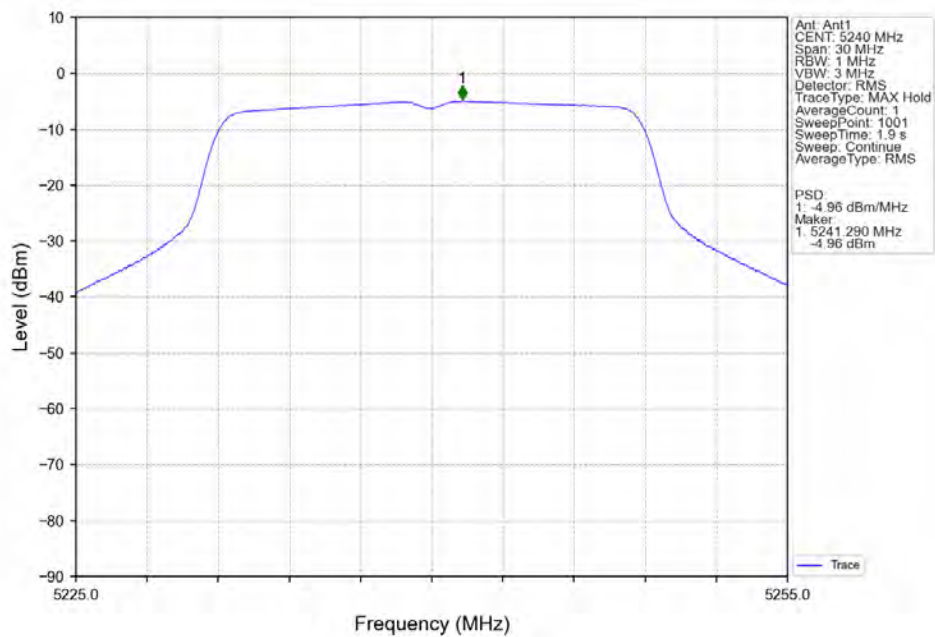
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



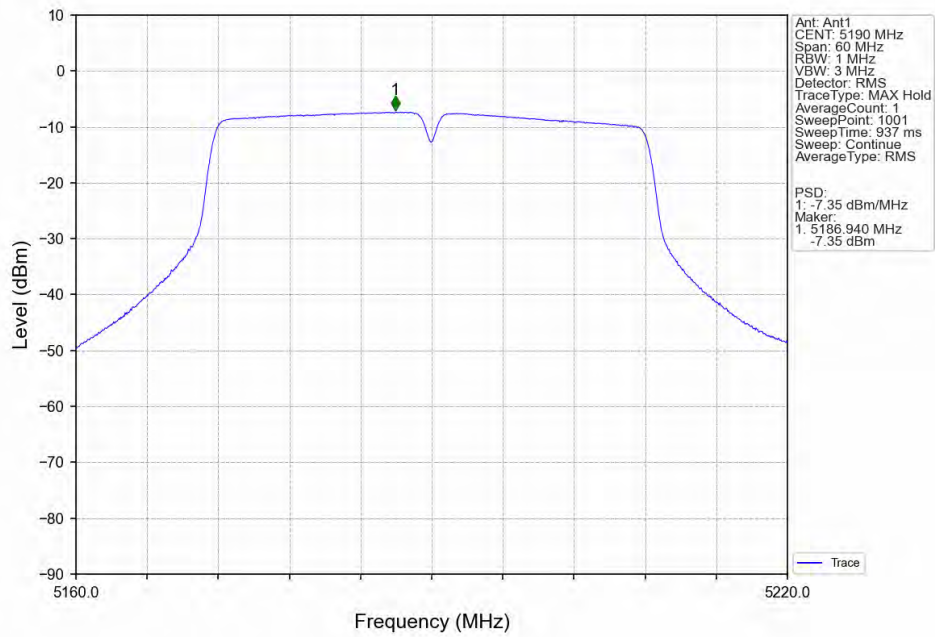
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



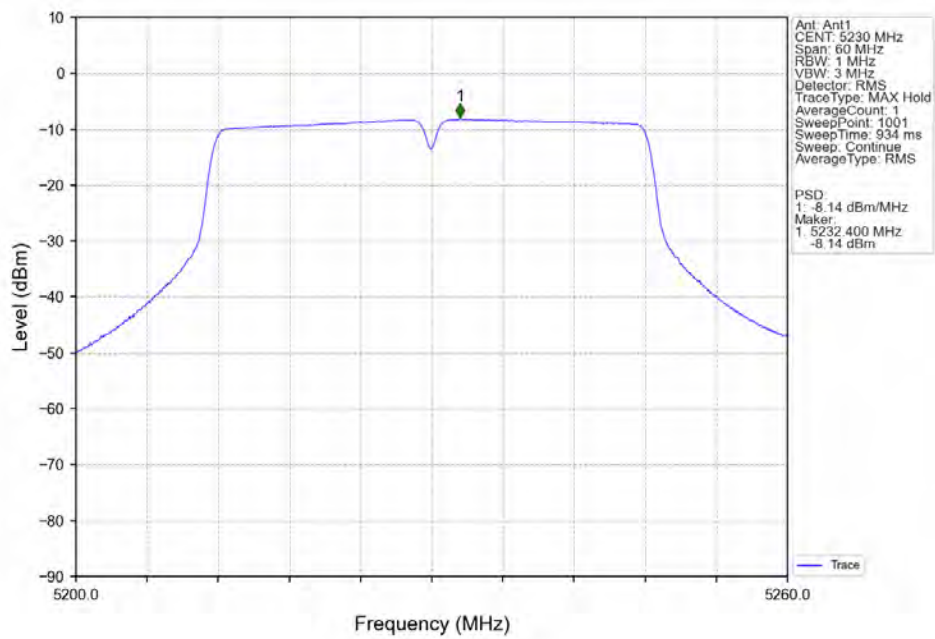
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



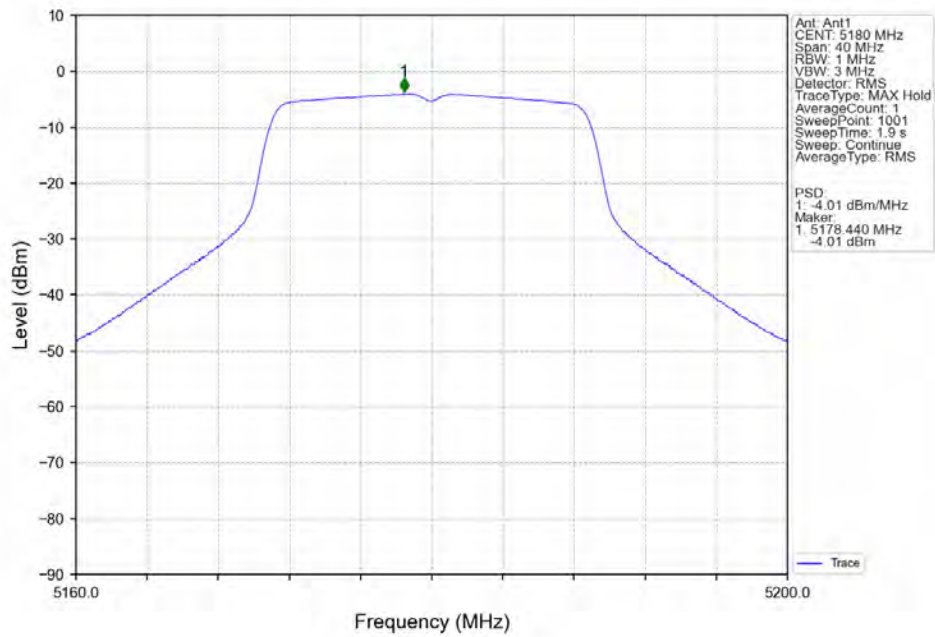
802.11n(HT40) LCH 5190MHz Ant1_NTNV



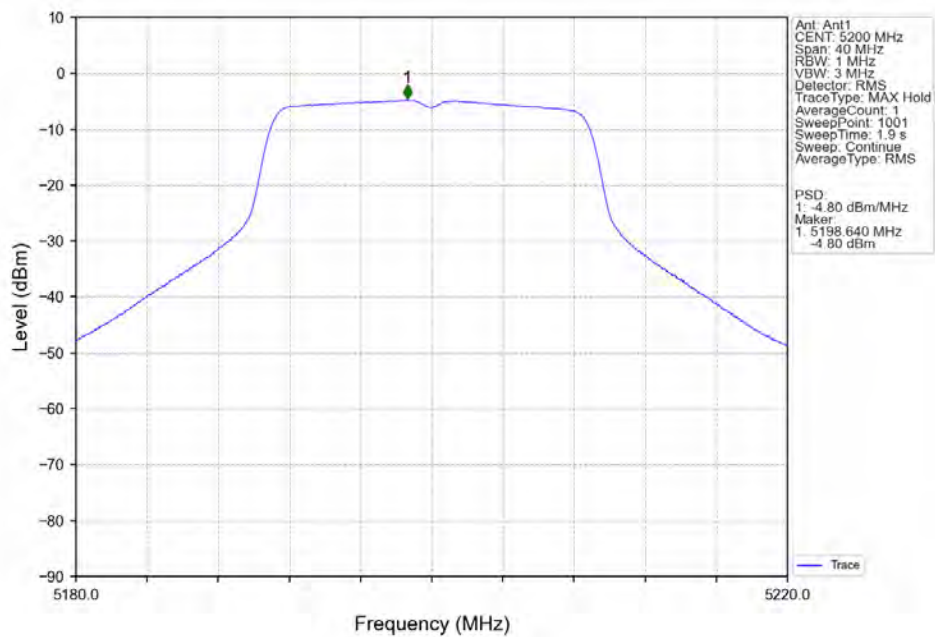
802.11n(HT40) HCH 5230MHz Ant1_NTNV



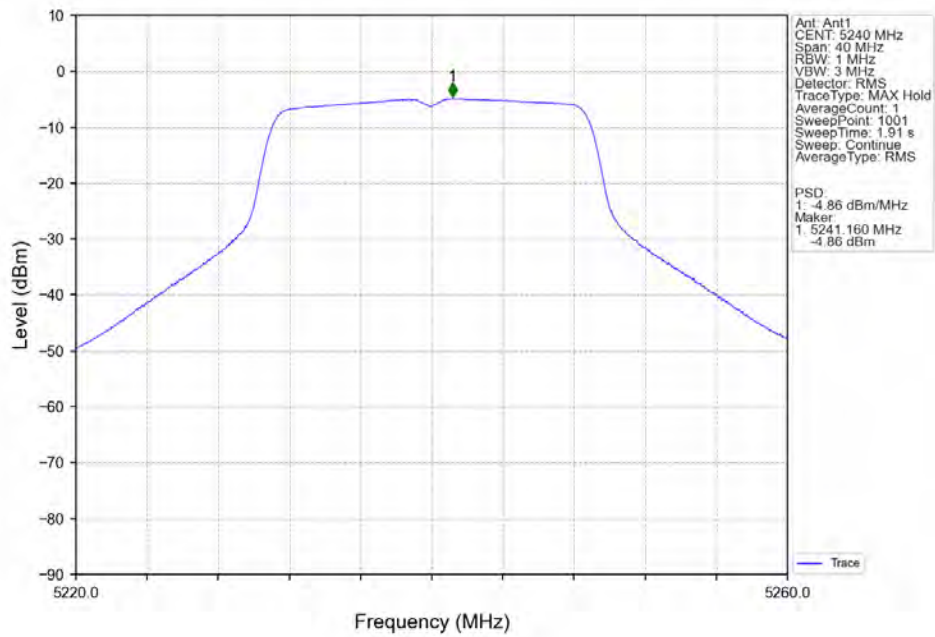
802.11ac(VHT20) LCH_5180MHz_Ant1_NTNV



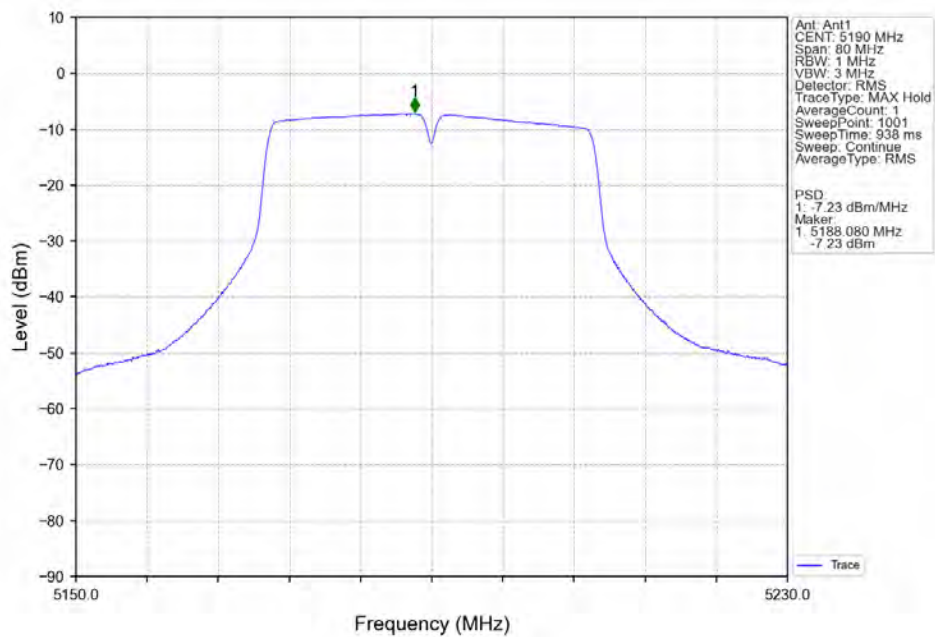
802.11ac(VHT20) MCH_5200MHz_Ant1_NTNV



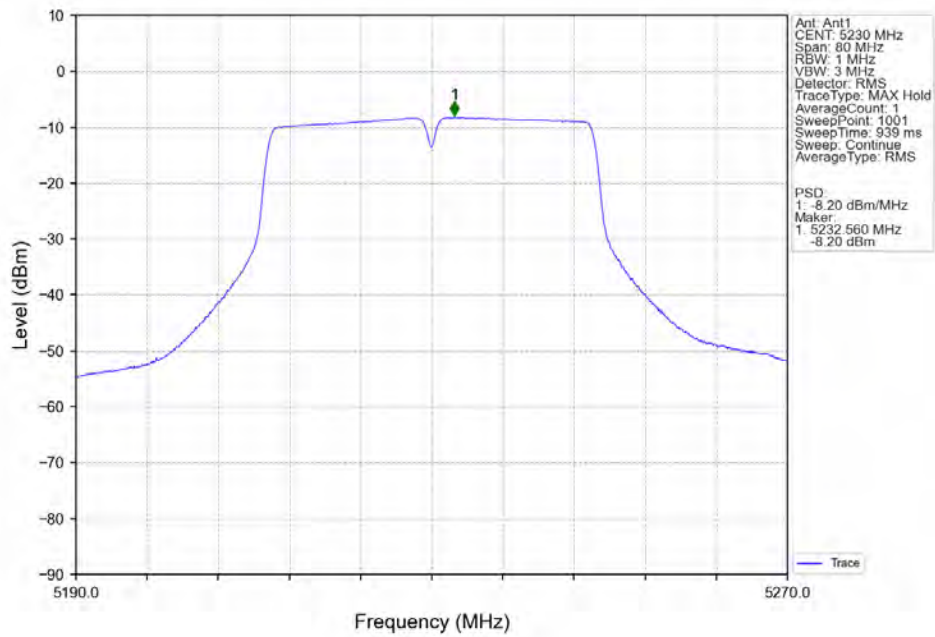
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



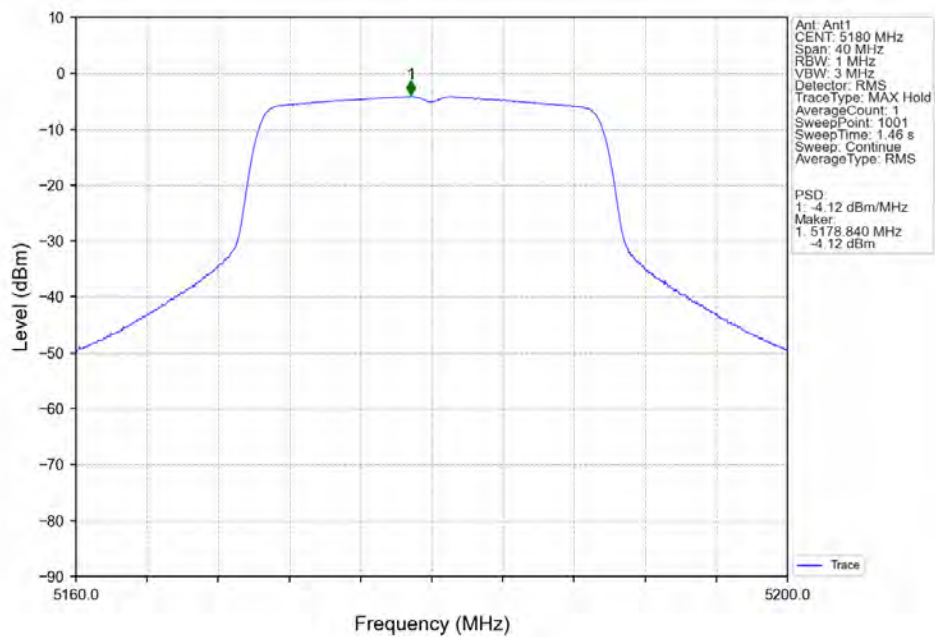
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



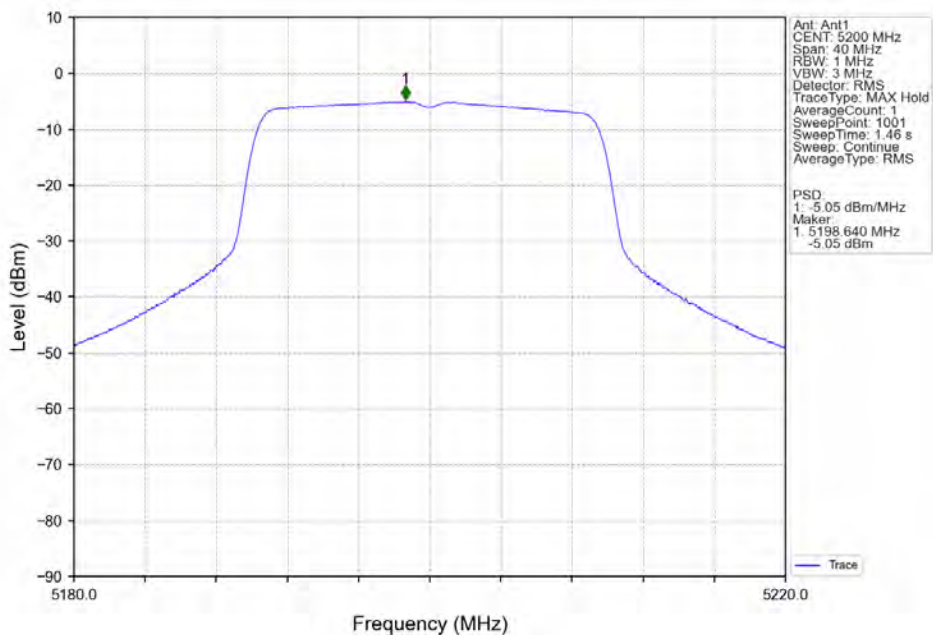
802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



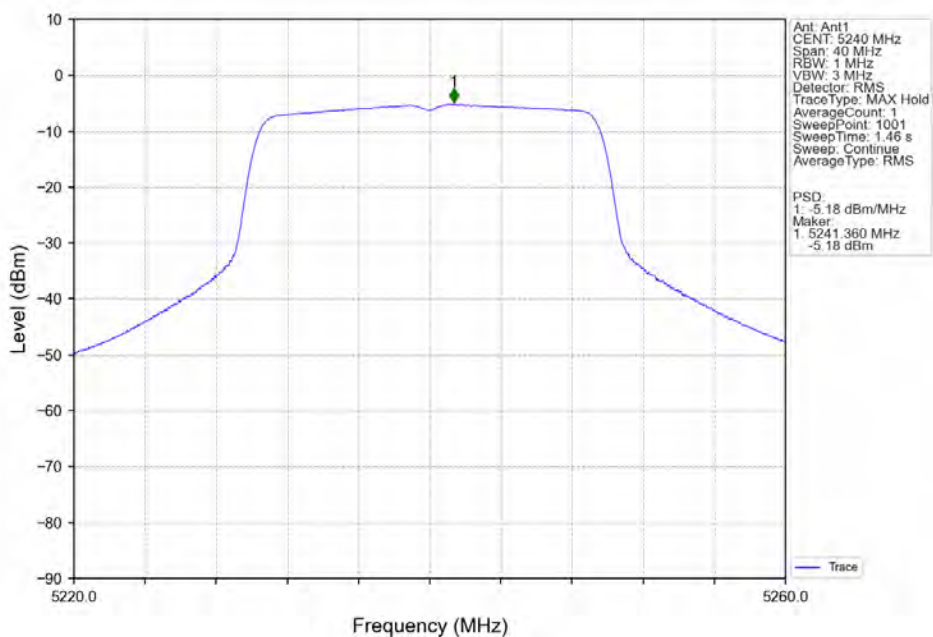
802.11ax(HEW20)_LCH_5180MHz_SU_ / Ant1_NTNV



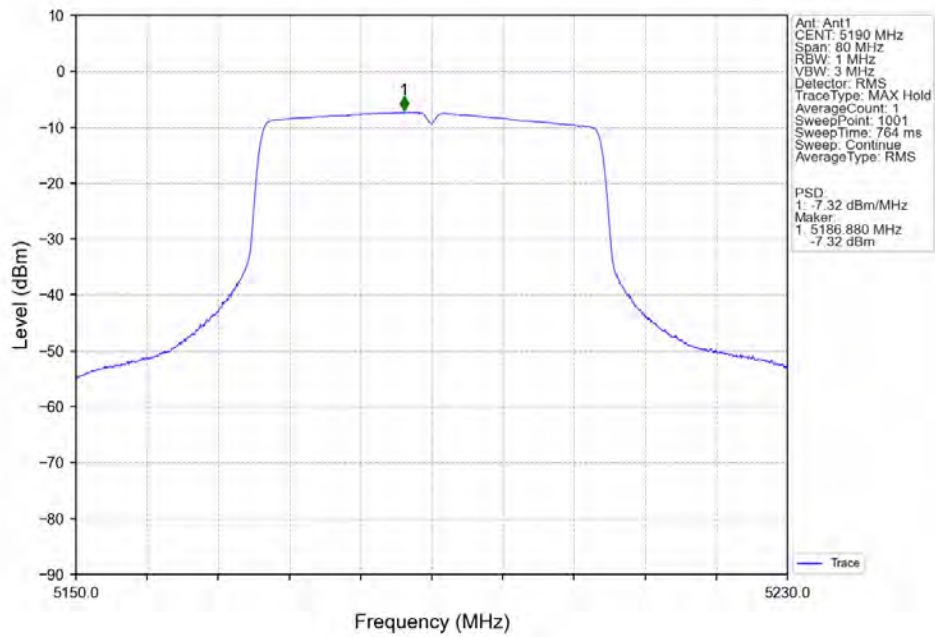
802.11ax(HEW20) MCH_5200MHz_SU / Ant1_NTNV



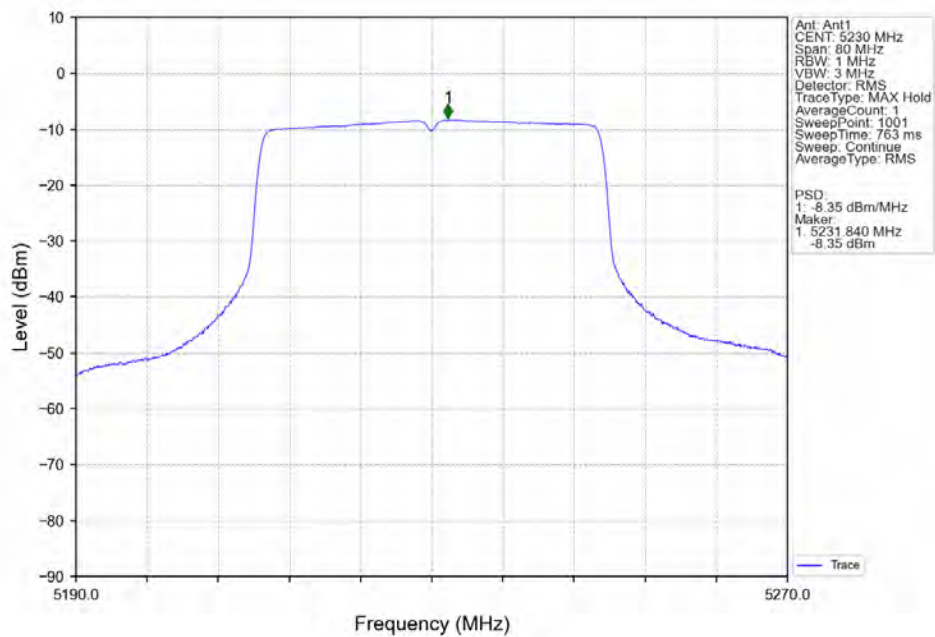
802.11ax(HEW20) HCH_5240MHz_SU / Ant1_NTNV



802.11ax(HEW40) LCH_5190MHz_SU_ / _Ant1_NTNV



802.11ax(HEW40) HCH_5230MHz_SU_ / _Ant1_NTNV



5. Band Edge

5.1 Test Result

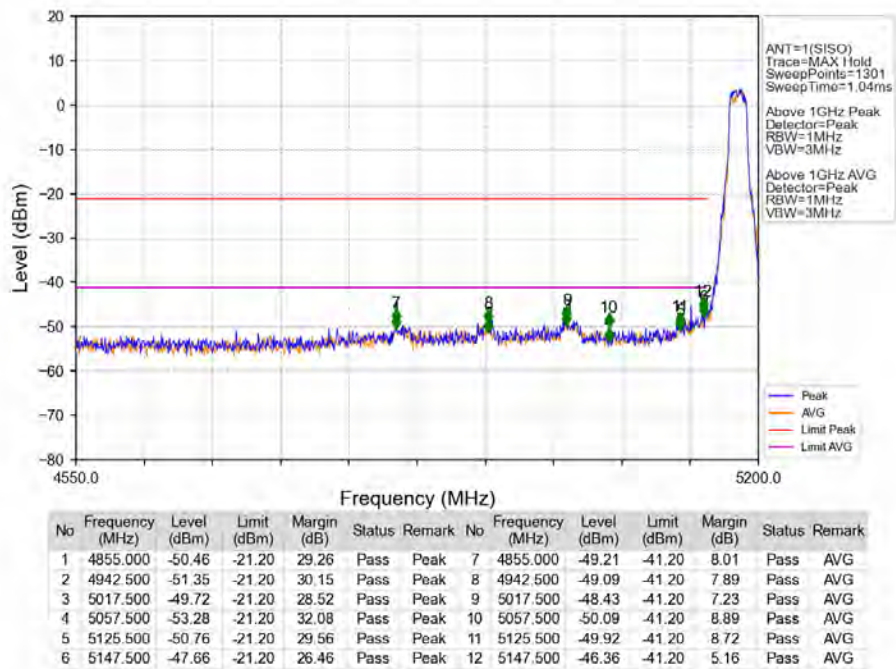
5.1.1 BandEdge

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
		5240	/	/	1	Refer To Test Graph		Pass
802.11n (HT20)	SISO	5180	/	/	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
		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
802.11ax (HEW20)	SISO	5180	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

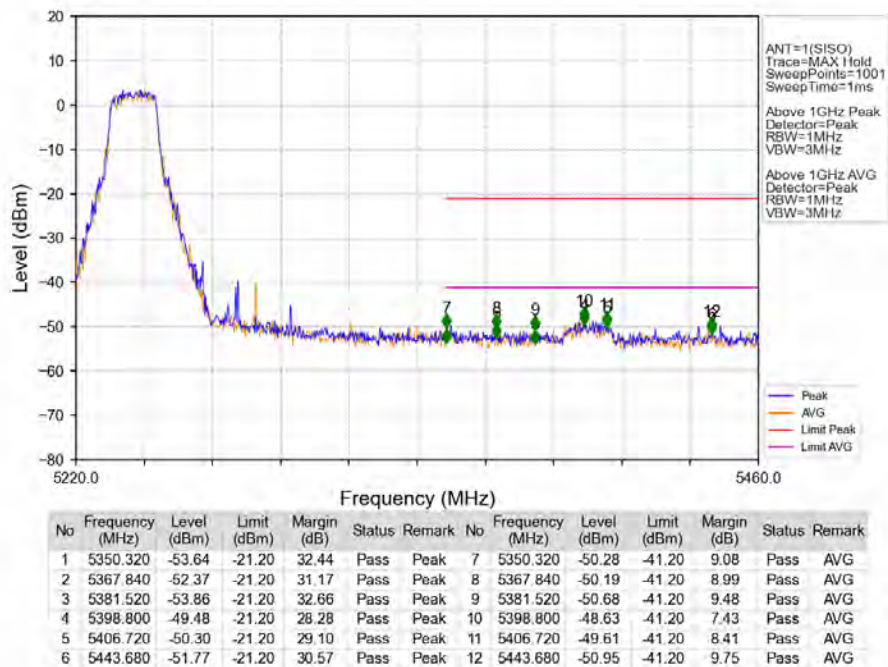
5.2 Test Graph

5.2.1 BandEdge

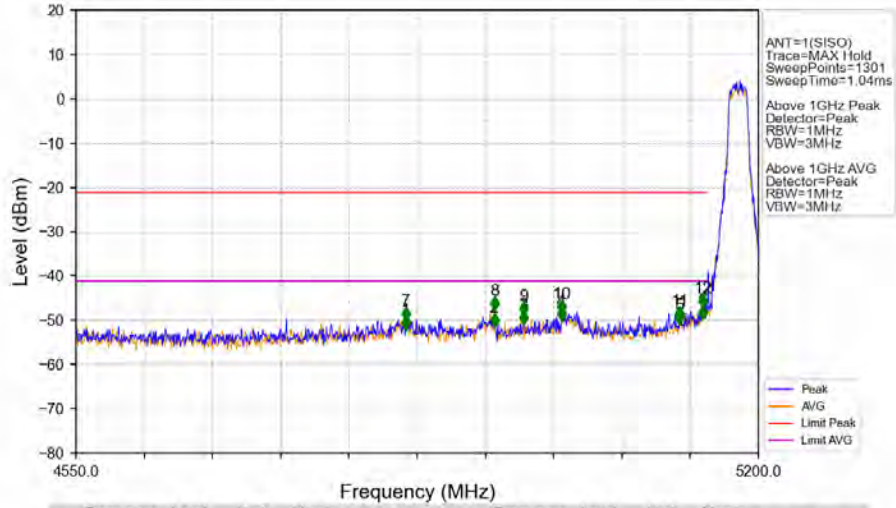
802.11a_LCH_5180MHz_Ant1_NTNV



802.11a_HCH_5240MHz_Ant1_NTNV

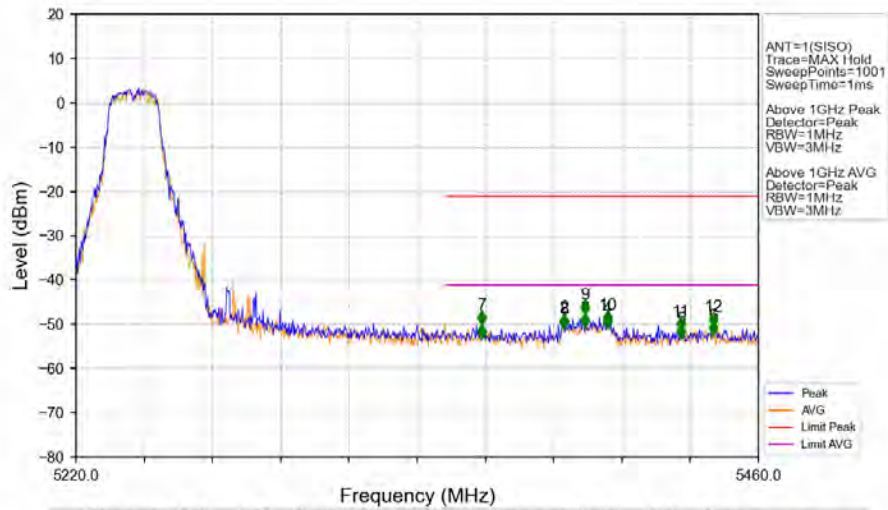


802.11n(HT20) LCH_5180MHz_Ant1_NTNV



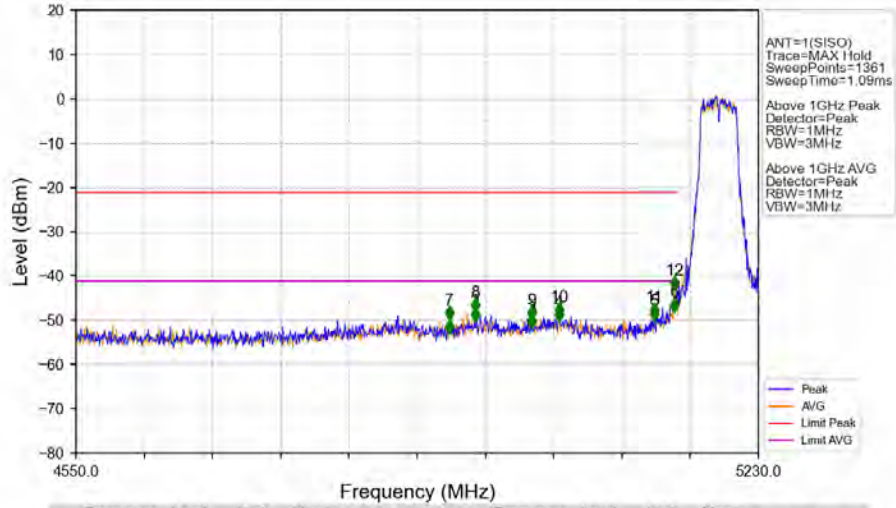
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	4864.000	-52.00	-21.20	30.80	Pass	Peak	7	4864.000	-50.07	-41.20	8.87	Pass	AVG
2	4948.500	-51.53	-21.20	30.33	Pass	Peak	8	4948.500	-47.65	-41.20	6.45	Pass	AVG
3	4976.500	-50.91	-21.20	29.71	Pass	Peak	9	4976.500	-48.98	-41.20	7.78	Pass	AVG
4	5012.500	-50.07	-21.20	28.87	Pass	Peak	10	5012.500	-48.38	-41.20	7.18	Pass	AVG
5	5125.000	-50.93	-21.20	29.73	Pass	Peak	11	5125.000	-50.12	-41.20	8.92	Pass	AVG
6	5147.000	-49.64	-21.20	28.44	Pass	Peak	12	5147.000	-47.08	-41.20	5.88	Pass	AVG

802.11n(HT20) HCH_5240MHz_Ant1_NTNV



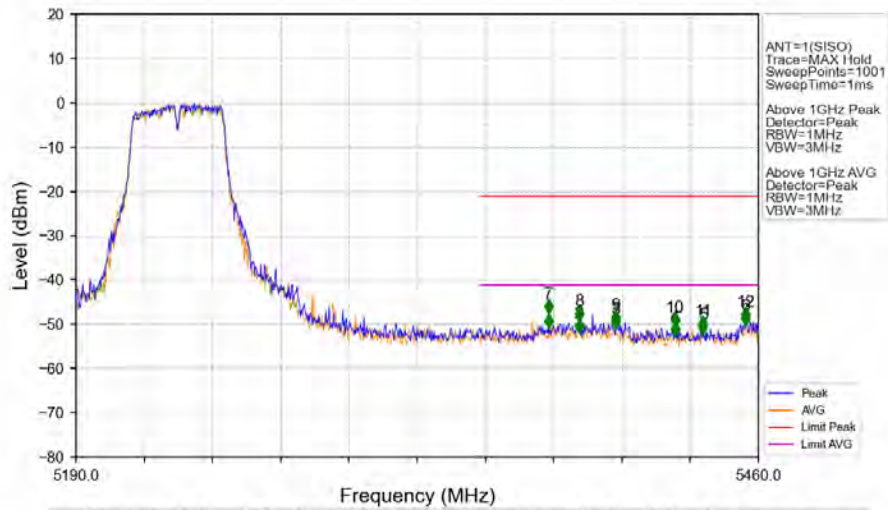
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5362.800	-53.17	-21.20	31.97	Pass	Peak	7	5362.800	-49.99	-41.20	8.79	Pass	AVG
2	5391.600	-50.71	-21.20	29.51	Pass	Peak	8	5391.600	-50.96	-41.20	9.76	Pass	AVG
3	5399.040	-50.70	-21.20	29.50	Pass	Peak	9	5399.040	-47.76	-41.20	6.56	Pass	AVG
4	5406.960	-50.88	-21.20	29.68	Pass	Peak	10	5406.960	-50.00	-41.20	8.80	Pass	AVG
5	5432.640	-53.22	-21.20	32.02	Pass	Peak	11	5432.640	-51.60	-41.20	10.40	Pass	AVG
6	5444.160	-52.46	-21.20	31.26	Pass	Peak	12	5444.160	-50.49	-41.20	9.29	Pass	AVG

802.11n(HT40) LCH 5190MHz_Ant1_NTNV



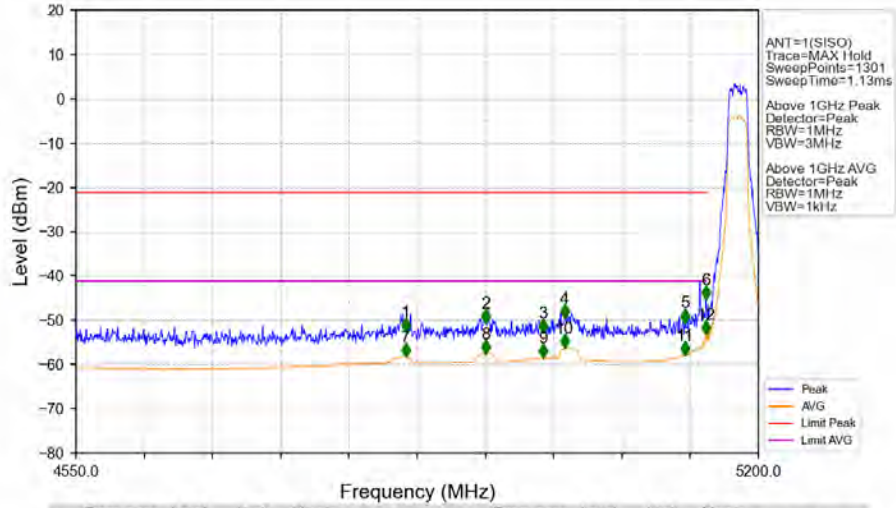
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	4922.000	-52.92	-21.20	31.72	Pass	Peak	7	4922.000	-49.93	-41.20	8.73	Pass	AVG
2	4947.500	-50.17	-21.20	28.97	Pass	Peak	8	4947.500	-48.04	-41.20	6.84	Pass	AVG
3	5004.000	-51.69	-21.20	30.49	Pass	Peak	9	5004.000	-49.85	-41.20	8.65	Pass	AVG
4	5031.500	-50.26	-21.20	29.06	Pass	Peak	10	5031.500	-49.22	-41.20	8.02	Pass	AVG
5	5126.000	-50.08	-21.20	28.88	Pass	Peak	11	5126.000	-49.15	-41.20	7.95	Pass	AVG
6	5146.500	-48.03	-21.20	26.83	Pass	Peak	12	5146.500	-43.09	-41.20	1.89	Pass	AVG

802.11n(HT40) HCH 5230MHz_Ant1_NTNV



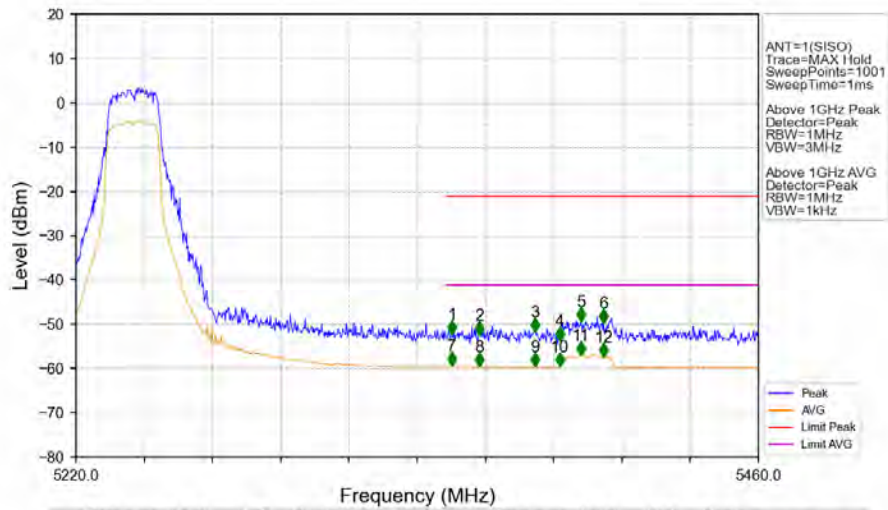
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5377.110	-50.73	-21.20	29.53	Pass	Peak	7	5377.110	-47.50	-41.20	6.30	Pass	AVG
2	5388.990	-51.95	-21.20	30.75	Pass	Peak	8	5388.990	-49.25	-41.20	8.05	Pass	AVG
3	5403.570	-51.06	-21.20	29.86	Pass	Peak	9	5403.570	-50.09	-41.20	8.89	Pass	AVG
4	5427.060	-52.55	-21.20	31.35	Pass	Peak	10	5427.060	-50.66	-41.20	9.46	Pass	AVG
5	5438.130	-52.27	-21.20	31.07	Pass	Peak	11	5438.130	-51.27	-41.20	10.07	Pass	AVG
6	5454.870	-50.17	-21.20	28.97	Pass	Peak	12	5454.870	-49.30	-41.20	8.10	Pass	AVG

802.11ac(VHT20) LCH_5180MHz_Ant1_NTNV



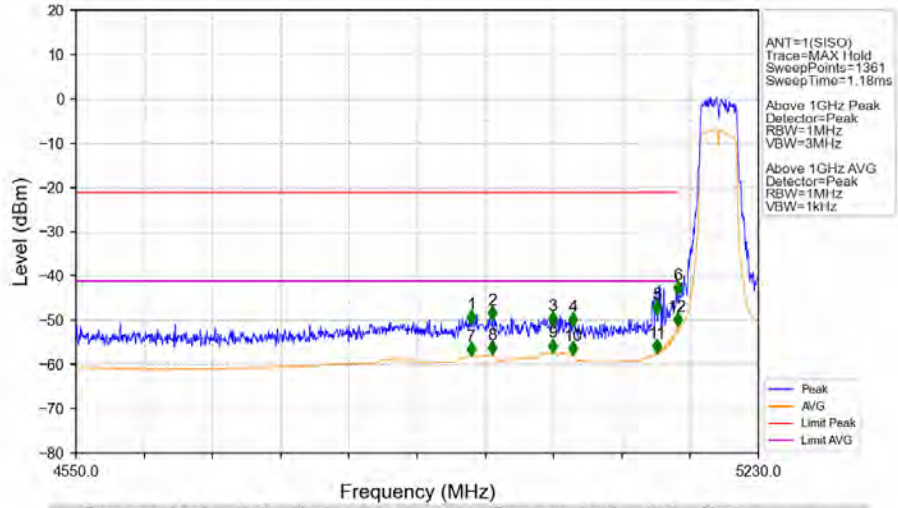
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	4864.000	-52.68	-21.20	31.48	Pass	Peak	7	4864.000	-58.18	-41.20	16.98	Pass	AVG
2	4940.500	-50.67	-21.20	29.47	Pass	Peak	8	4940.500	-57.50	-41.20	16.30	Pass	AVG
3	4994.500	-52.85	-21.20	31.65	Pass	Peak	9	4994.500	-58.53	-41.20	17.33	Pass	AVG
4	5015.500	-49.52	-21.20	28.32	Pass	Peak	10	5015.500	-56.23	-41.20	15.03	Pass	AVG
5	5130.000	-50.53	-21.20	29.33	Pass	Peak	11	5130.000	-57.82	-41.20	16.62	Pass	AVG
6	5150.000	-45.34	-21.20	24.14	Pass	Peak	12	5150.000	-53.20	-41.20	12.00	Pass	AVG

802.11ac(VHT20) HCH_5240MHz_Ant1_NTNV



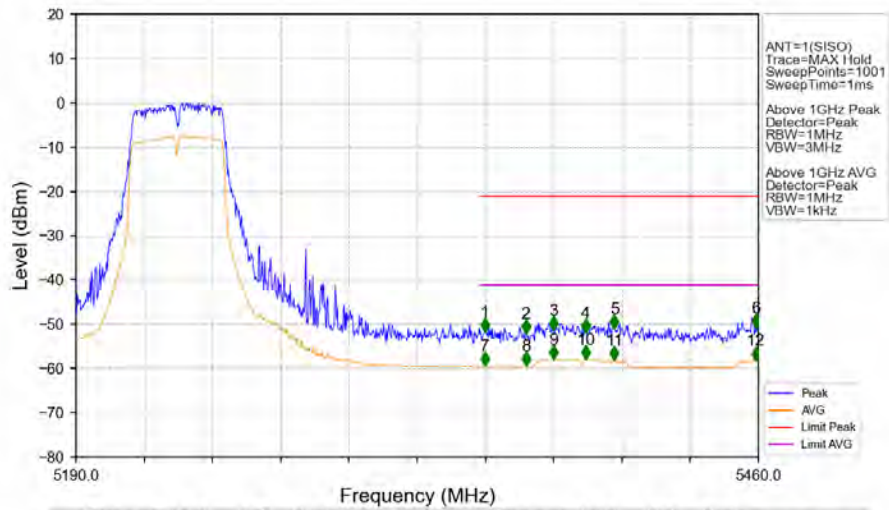
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5352.240	-52.28	-21.20	31.08	Pass	Peak	7	5352.240	-59.37	-41.20	18.17	Pass	AVG
2	5361.840	-52.44	-21.20	31.24	Pass	Peak	8	5361.840	-59.47	-41.20	18.27	Pass	AVG
3	5381.520	-51.64	-21.20	30.44	Pass	Peak	9	5381.520	-59.55	-41.20	18.35	Pass	AVG
4	5390.160	-53.78	-21.20	32.58	Pass	Peak	10	5390.160	-59.55	-41.20	18.35	Pass	AVG
5	5397.600	-49.41	-21.20	28.21	Pass	Peak	11	5397.600	-56.94	-41.20	15.74	Pass	AVG
6	5405.520	-49.68	-21.20	28.48	Pass	Peak	12	5405.520	-57.30	-41.20	16.10	Pass	AVG

802.11ac(VHT40) LCH_5190MHz_Ant1_NTNV



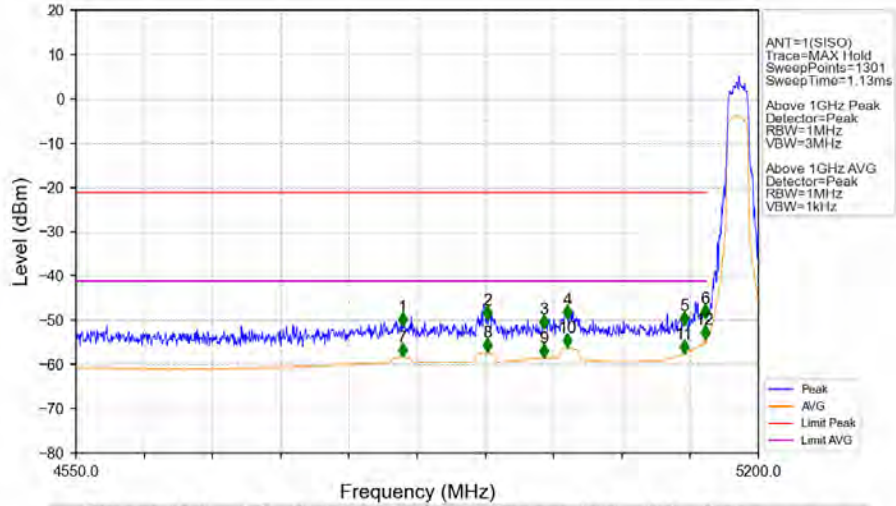
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	4944.000	-50.86	-21.20	29.66	Pass	Peak	7	4944.000	-58.13	-41.20	16.93	Pass	AVG
2	4965.000	-49.89	-21.20	28.69	Pass	Peak	8	4965.000	-57.75	-41.20	16.55	Pass	AVG
3	5025.000	-51.22	-21.20	30.02	Pass	Peak	9	5025.000	-57.27	-41.20	16.07	Pass	AVG
4	5045.500	-51.29	-21.20	30.09	Pass	Peak	10	5045.500	-57.98	-41.20	16.78	Pass	AVG
5	5129.000	-48.68	-21.20	27.48	Pass	Peak	11	5129.000	-57.38	-41.20	16.18	Pass	AVG
6	5149.500	-44.23	-21.20	23.03	Pass	Peak	12	5149.500	-51.40	-41.20	10.20	Pass	AVG

802.11ac(VHT40) HCH_5230MHz_Ant1_NTNV



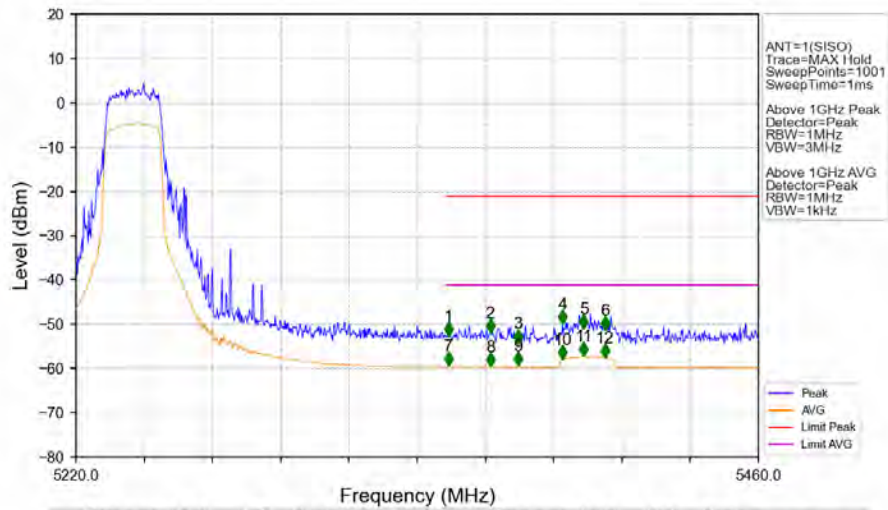
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5351.730	-51.68	-21.20	30.48	Pass	Peak	7	5351.730	-59.35	-41.20	18.15	Pass	AVG
2	5367.930	-52.03	-21.20	30.83	Pass	Peak	8	5367.930	-59.38	-41.20	18.18	Pass	AVG
3	5379.000	-51.31	-21.20	30.11	Pass	Peak	9	5379.000	-57.99	-41.20	16.79	Pass	AVG
4	5391.690	-51.96	-21.20	30.76	Pass	Peak	10	5391.690	-57.84	-41.20	16.64	Pass	AVG
5	5403.030	-50.96	-21.20	29.76	Pass	Peak	11	5403.030	-58.14	-41.20	16.94	Pass	AVG
6	5458.920	-50.87	-21.20	29.67	Pass	Peak	12	5458.920	-58.18	-41.20	16.98	Pass	AVG

802.11ax(HEW20)_LCH_5180MHz_SU_/_Ant1_NTNV



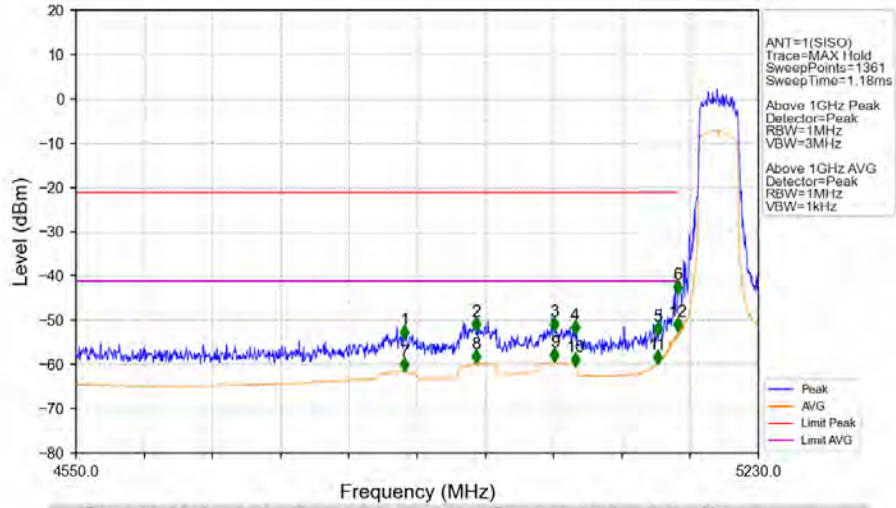
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	4861.000	-51.34	-21.20	30.14	Pass	Peak	7	4861.000	-58.19	-41.20	16.99	Pass	AVG
2	4942.000	-49.82	-21.20	28.62	Pass	Peak	8	4942.000	-57.16	-41.20	15.96	Pass	AVG
3	4995.500	-51.94	-21.20	30.74	Pass	Peak	9	4995.500	-58.48	-41.20	17.28	Pass	AVG
4	5018.000	-49.76	-21.20	28.56	Pass	Peak	10	5018.000	-56.00	-41.20	14.80	Pass	AVG
5	5129.000	-51.09	-21.20	29.89	Pass	Peak	11	5129.000	-57.60	-41.20	16.40	Pass	AVG
6	5149.000	-49.52	-21.20	28.32	Pass	Peak	12	5149.000	-54.20	-41.20	13.00	Pass	AVG

802.11ax(HEW20)_HCH_5240MHz_SU_/_Ant1_NTNV



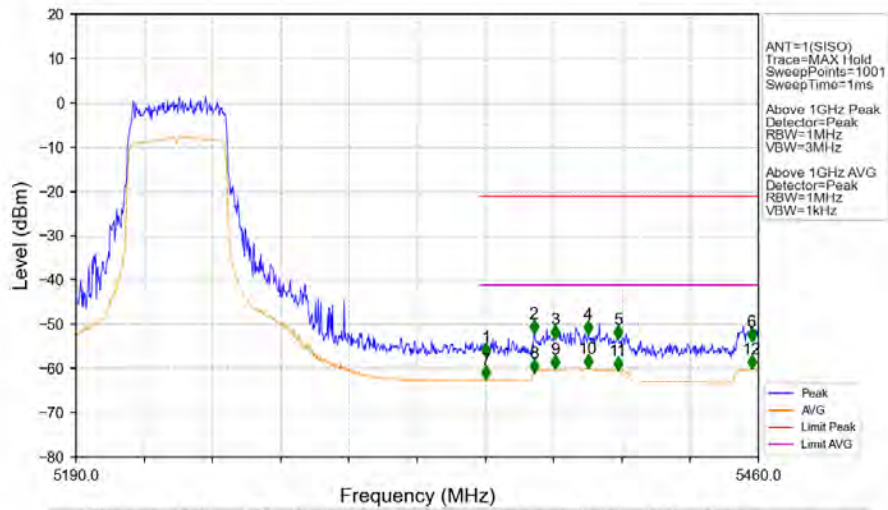
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5351.040	-52.66	-21.20	31.46	Pass	Peak	7	5351.040	-59.43	-41.20	18.23	Pass	AVG
2	5365.680	-51.93	-21.20	30.73	Pass	Peak	8	5365.680	-59.52	-41.20	18.32	Pass	AVG
3	5375.520	-54.36	-21.20	33.16	Pass	Peak	9	5375.520	-59.40	-41.20	18.20	Pass	AVG
4	5391.120	-49.94	-21.20	28.74	Pass	Peak	10	5391.120	-57.94	-41.20	16.74	Pass	AVG
5	5398.560	-50.99	-21.20	29.79	Pass	Peak	11	5398.560	-57.11	-41.20	15.91	Pass	AVG
6	5406.000	-51.42	-21.20	30.22	Pass	Peak	12	5406.000	-57.52	-41.20	16.32	Pass	AVG

802.11ax(HEW40)_LCH_5190MHz_SU_/_Ant1_NTNV



No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	4877.500	-54.21	-21.20	33.01	Pass	Peak	7	4877.500	-61.46	-41.20	20.26	Pass	AVG
2	4949.000	-52.36	-21.20	31.16	Pass	Peak	8	4949.000	-59.71	-41.20	18.51	Pass	AVG
3	5027.000	-52.42	-21.20	31.22	Pass	Peak	9	5027.000	-59.30	-41.20	18.10	Pass	AVG
4	5047.500	-53.23	-21.20	32.03	Pass	Peak	10	5047.500	-60.42	-41.20	19.22	Pass	AVG
5	5129.500	-53.61	-21.20	32.41	Pass	Peak	11	5129.500	-59.84	-41.20	18.64	Pass	AVG
6	5150.000	-44.02	-21.20	22.82	Pass	Peak	12	5150.000	-52.43	-41.20	11.23	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	5352.270	-57.35	-21.20	36.15	Pass	Peak	7	5352.270	-62.45	-41.20	21.25	Pass	AVG
2	5371.170	-52.06	-21.20	30.86	Pass	Peak	8	5371.170	-60.96	-41.20	19.76	Pass	AVG
3	5379.540	-53.27	-21.20	32.07	Pass	Peak	9	5379.540	-60.06	-41.20	18.86	Pass	AVG
4	5392.500	-52.25	-21.20	31.05	Pass	Peak	10	5392.500	-59.98	-41.20	18.78	Pass	AVG
5	5404.380	-53.27	-21.20	32.07	Pass	Peak	11	5404.380	-60.45	-41.20	19.25	Pass	AVG
6	5457.300	-53.91	-21.20	32.71	Pass	Peak	12	5457.300	-60.06	-41.20	18.86	Pass	AVG

