

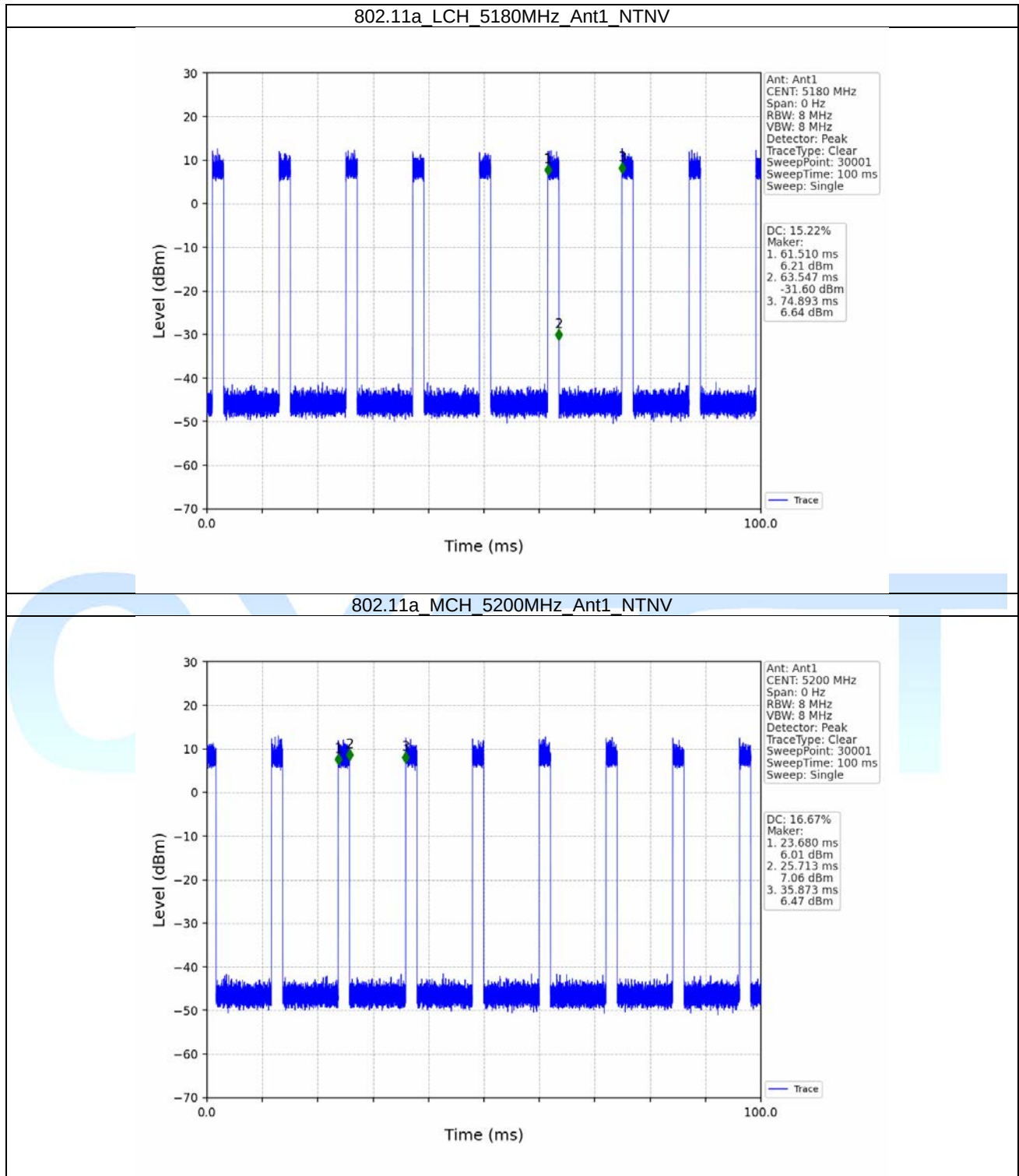
1. Duty Cycle

1.1 Ant1

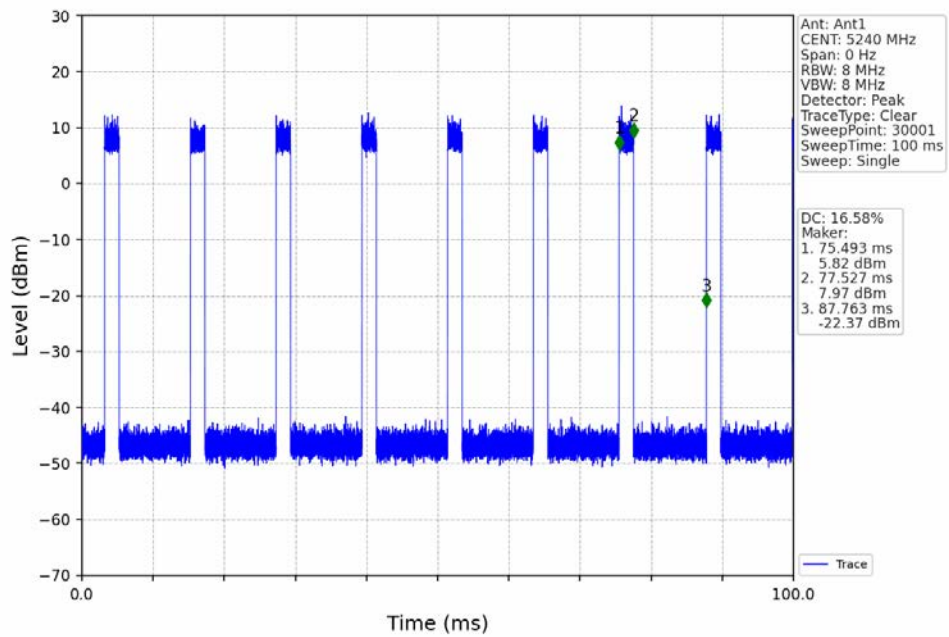
1.1.1 Test Result

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	/	/	2.037	13.383	15.22	8.18	1.68
		5200	/	/	2.033	12.193	16.67	7.78	0.22
		5240	/	/	2.034	12.270	16.58	7.80	0.33
802.11n (HT20)	SISO	5180	/	/	1.894	11.924	15.88	7.99	0.04
		5200	/	/	1.896	12.346	15.36	8.14	0.54
		5240	/	/	1.894	11.914	15.90	7.99	0.03
802.11n (HT40)	SISO	5190	/	/	0.933	10.953	8.52	10.70	0.03
		5230	/	/	0.934	11.064	8.44	10.74	0.09
802.11ac (VHT20)	SISO	5180	/	/	1.900	11.920	15.94	7.98	0.03
		5200	/	/	1.904	12.384	15.37	8.13	0.60
		5240	/	/	1.903	12.023	15.83	8.01	0.14
802.11ac (VHT40)	SISO	5190	/	/	0.936	10.960	8.54	10.69	0.03
		5230	/	/	0.936	10.956	8.54	10.68	0.03
802.11ax (HEW20)	SISO	5180	RU242	Left	1.464	11.487	12.74	8.95	0.03
		5200	RU242	Left	1.463	11.653	12.55	9.01	0.22
		5240	RU242	Left	1.463	11.590	12.62	8.99	0.12
802.11ax (HEW40)	SISO	5190	RU484	Left	0.764	10.827	7.06	11.51	0.03
		5230	RU484	Left	0.763	10.870	7.02	11.54	0.09

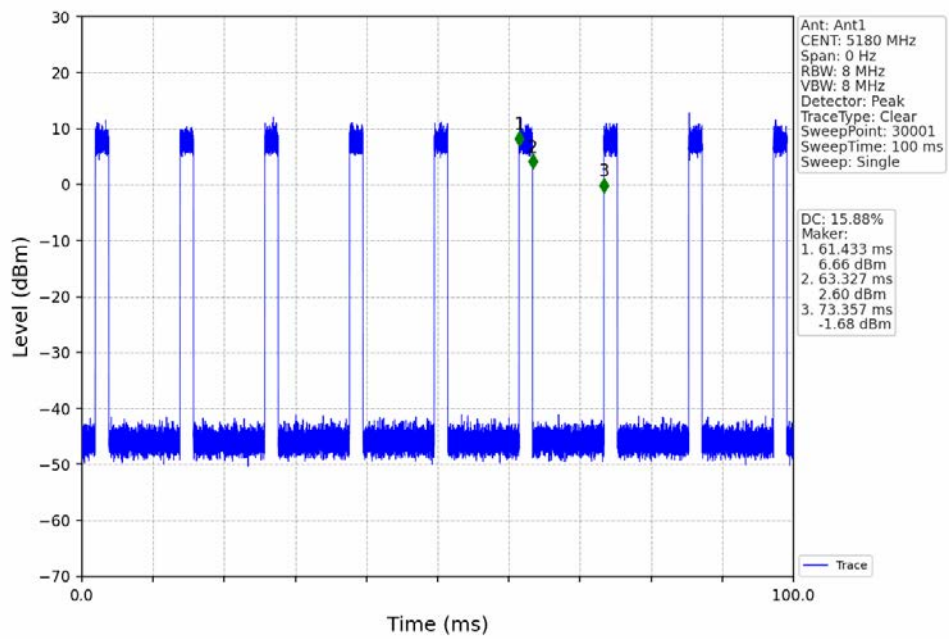
1.1.2 Test Graph



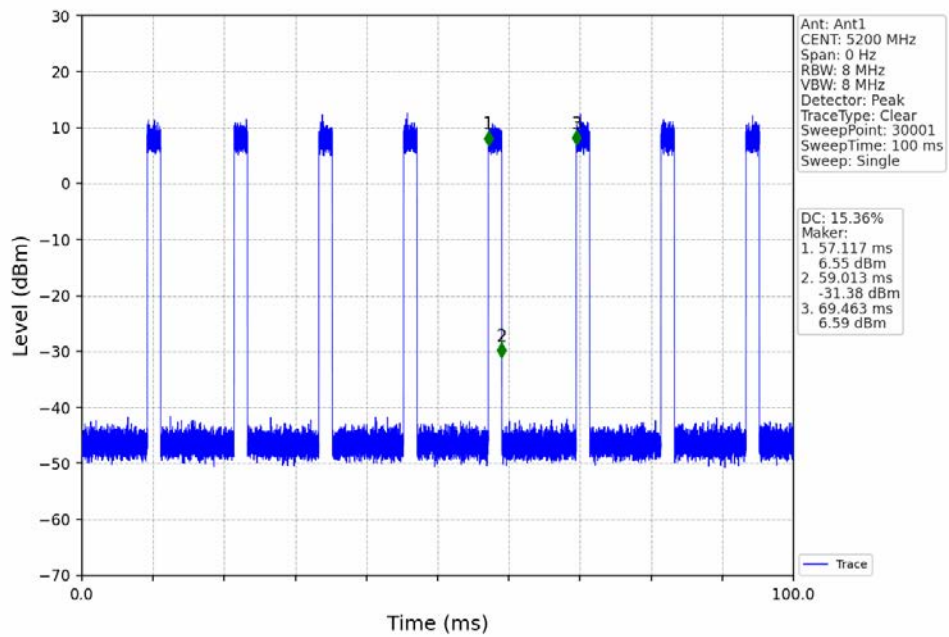
802.11a_HCH_5240MHz_Ant1_NTNV



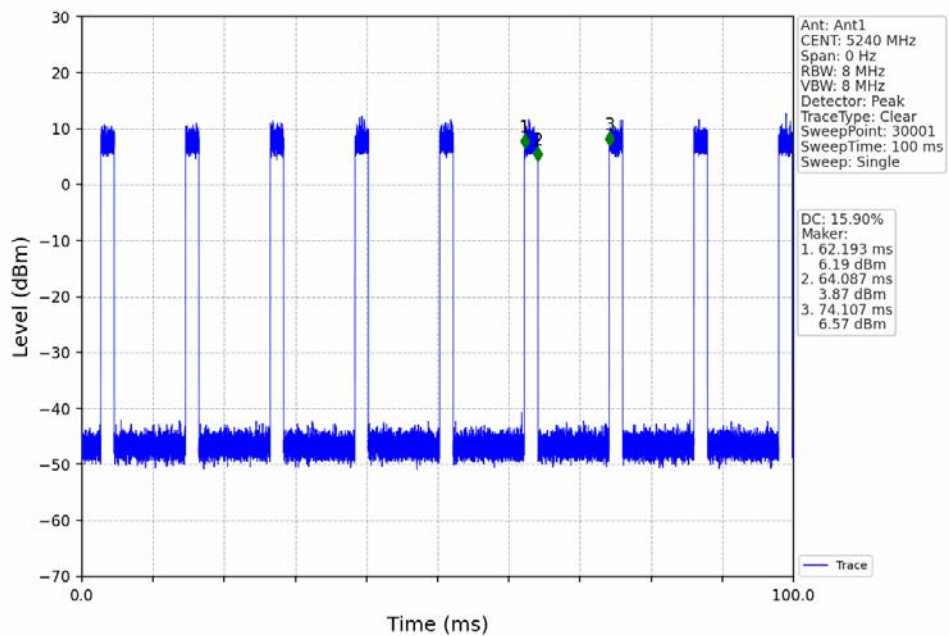
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



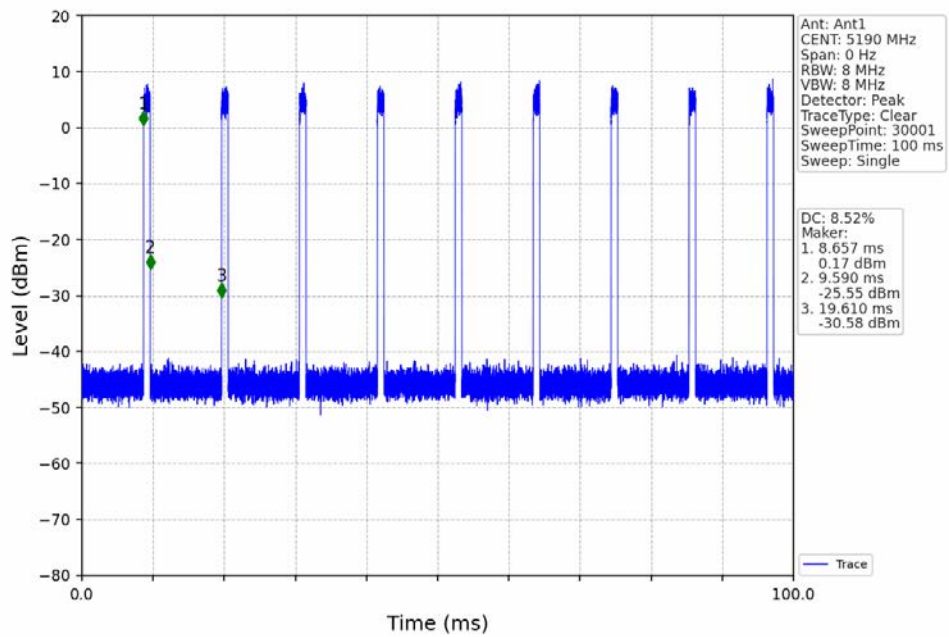
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



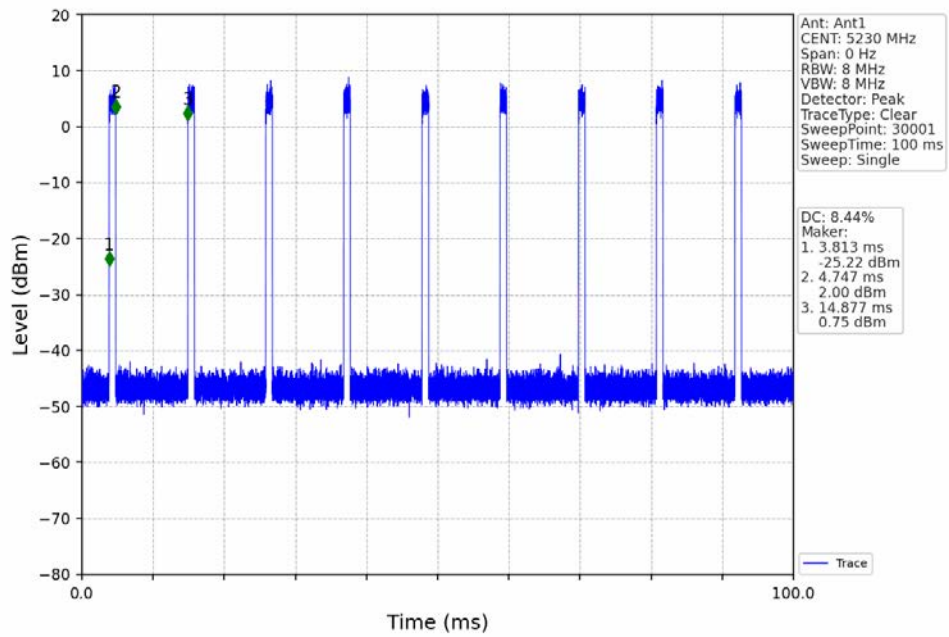
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



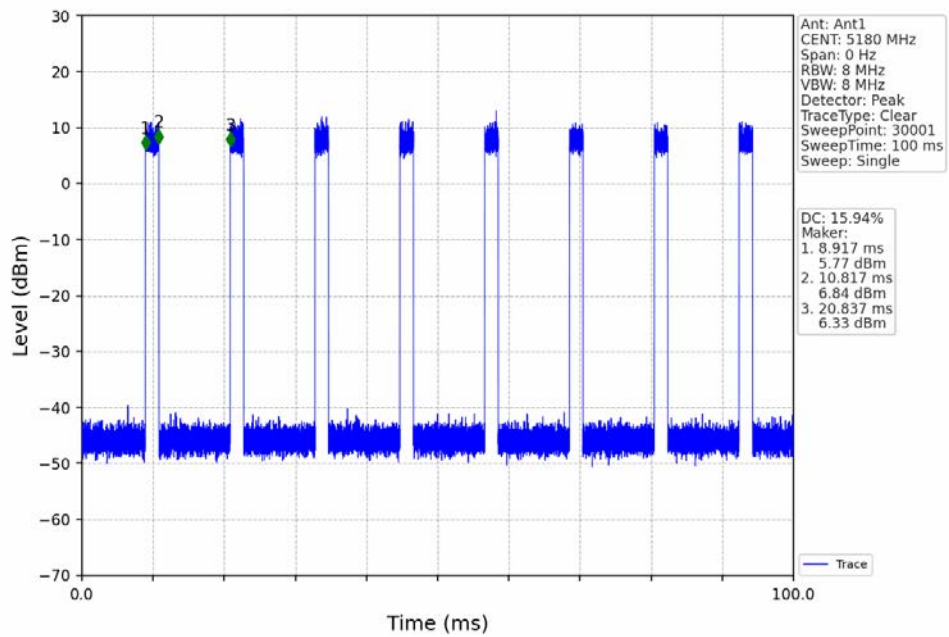
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



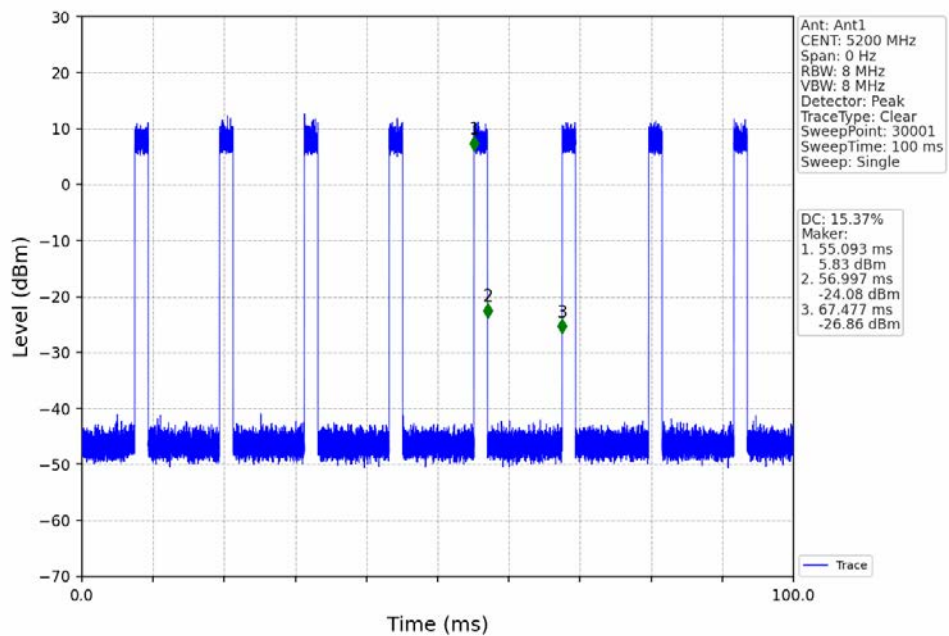
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



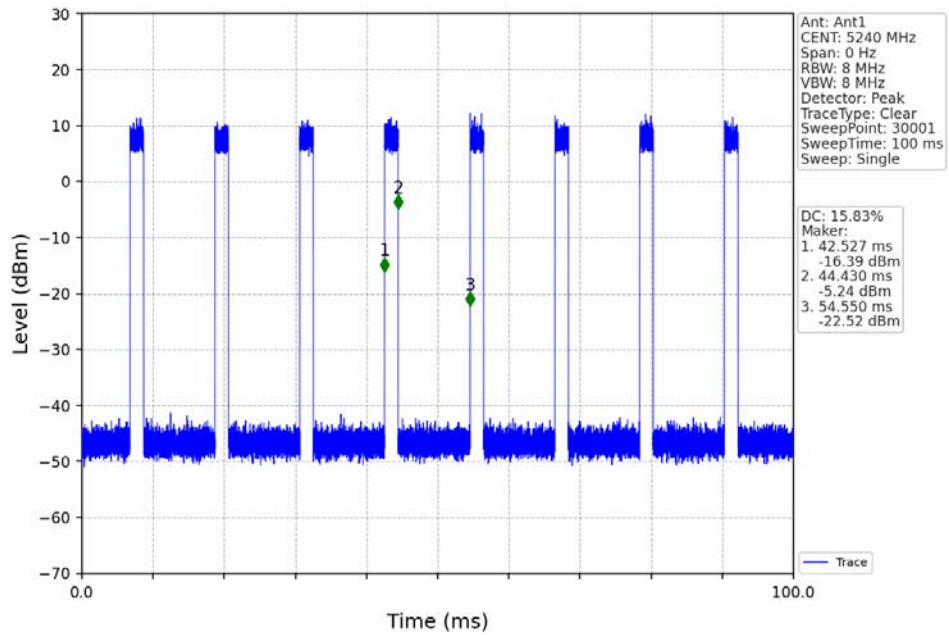
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



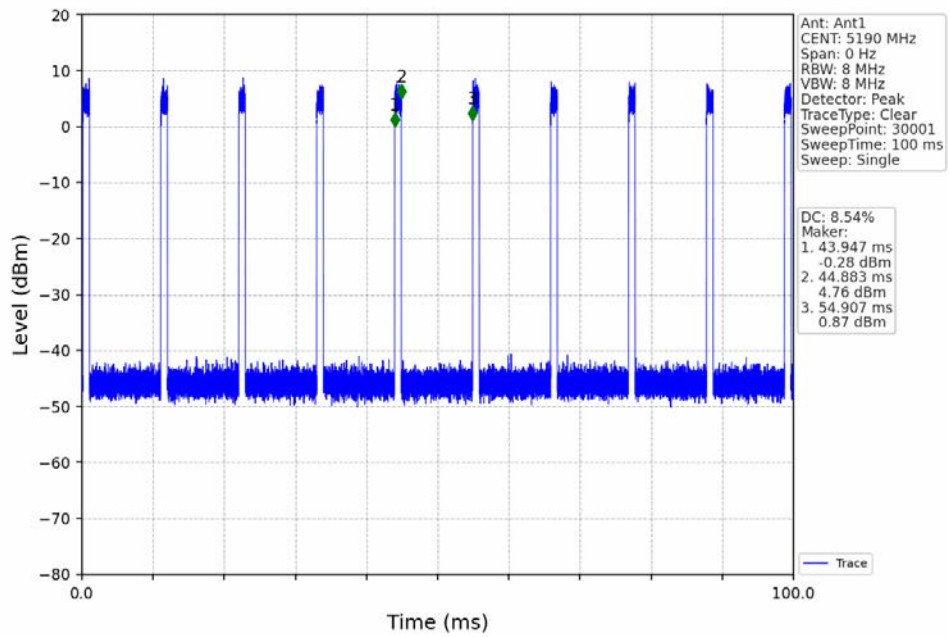
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



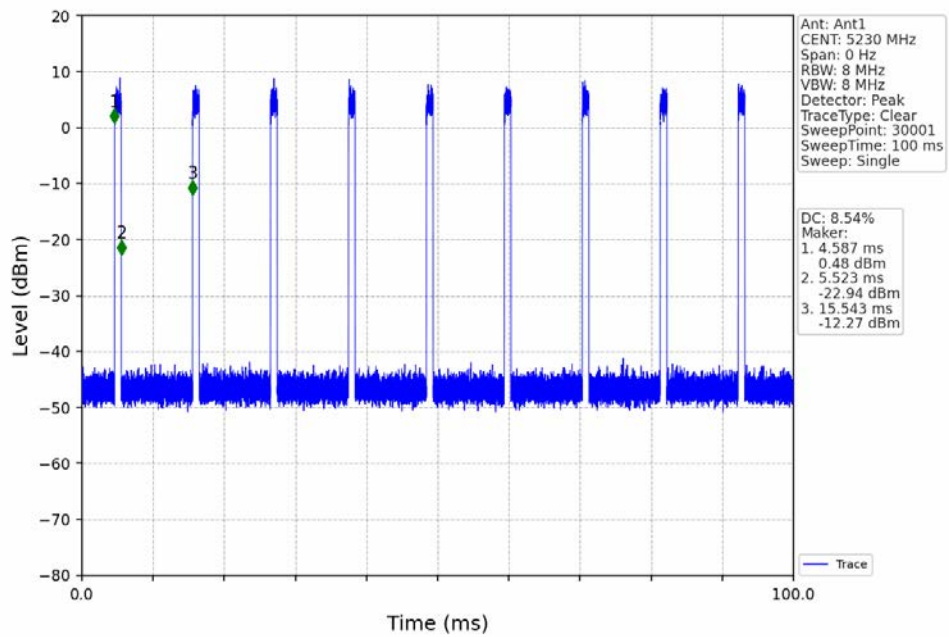
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



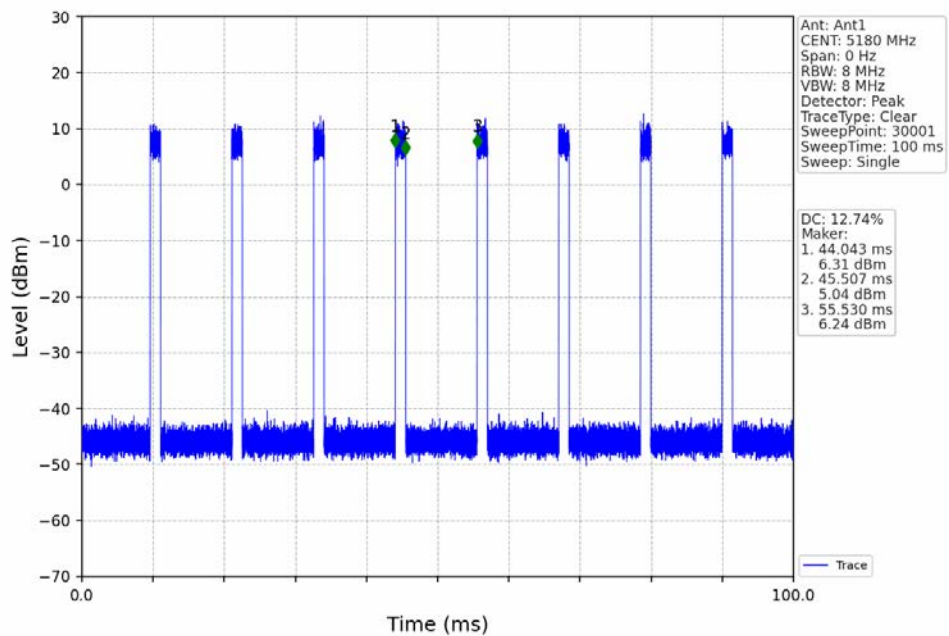
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



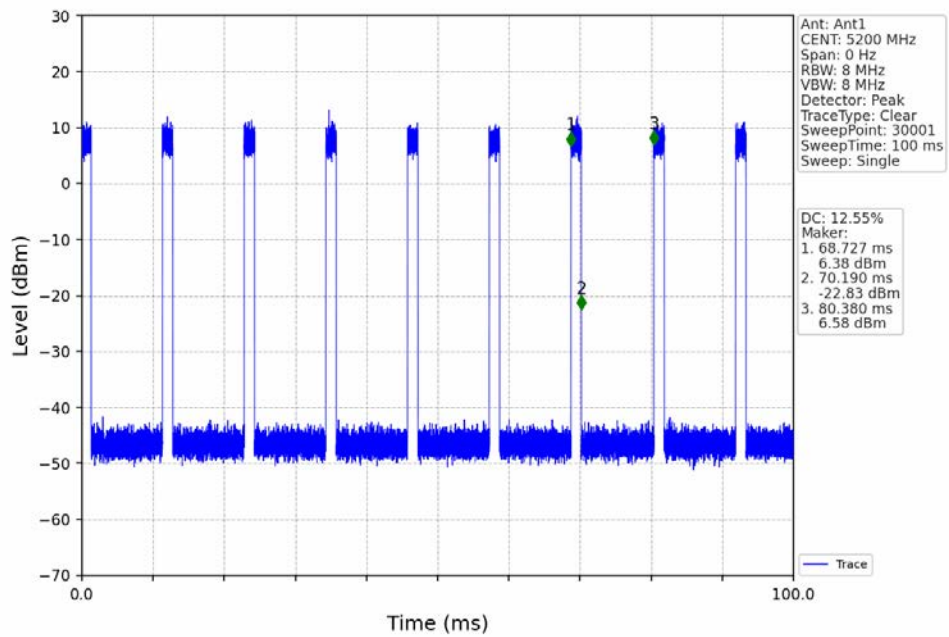
802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



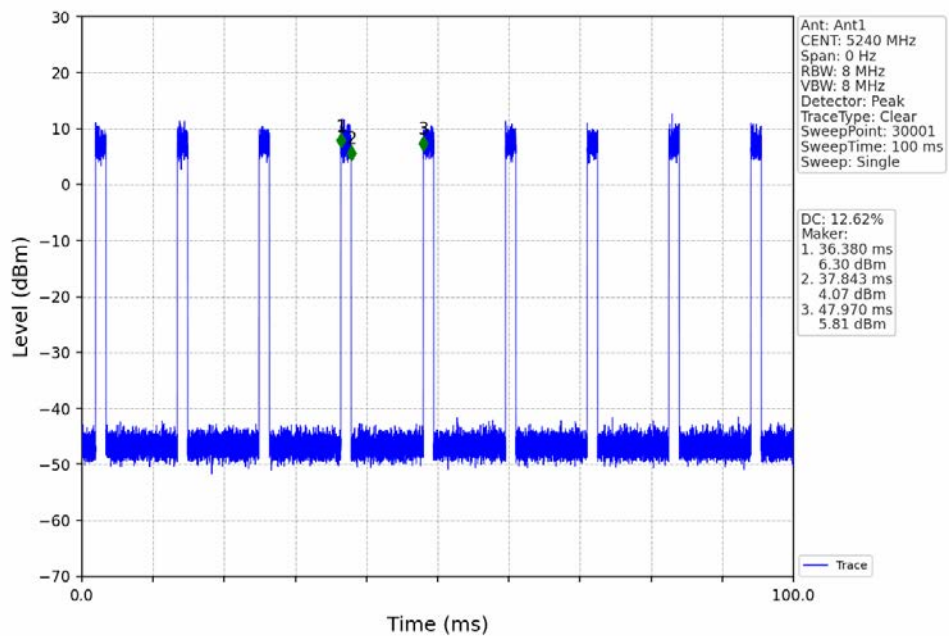
802.11ax(HEW20)_LCH_5180MHz_RU242_Left_Ant1_NTNV



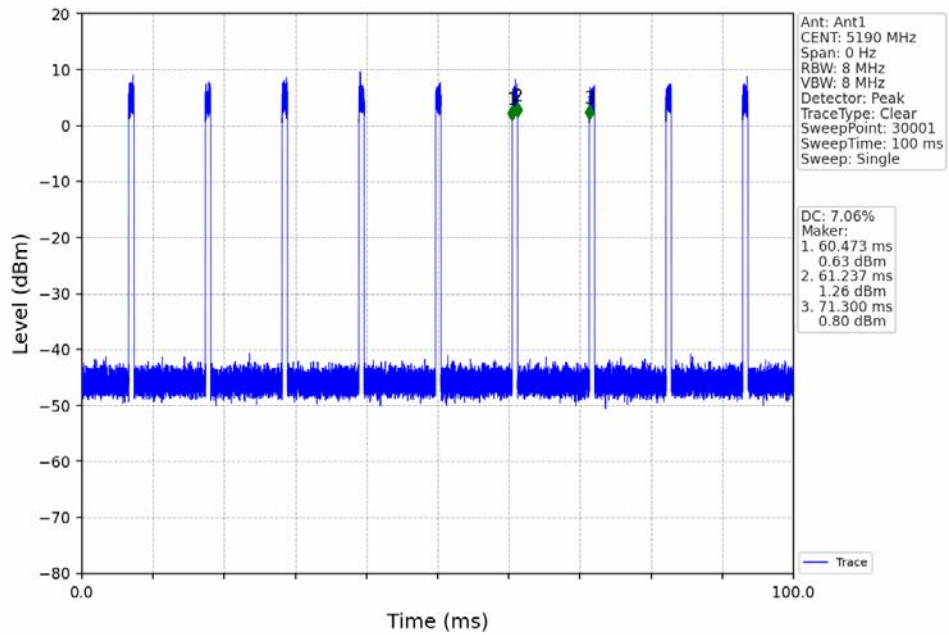
802.11ax(HEW20)_MCH_5200MHz_RU242_Left_Ant1_NTNV



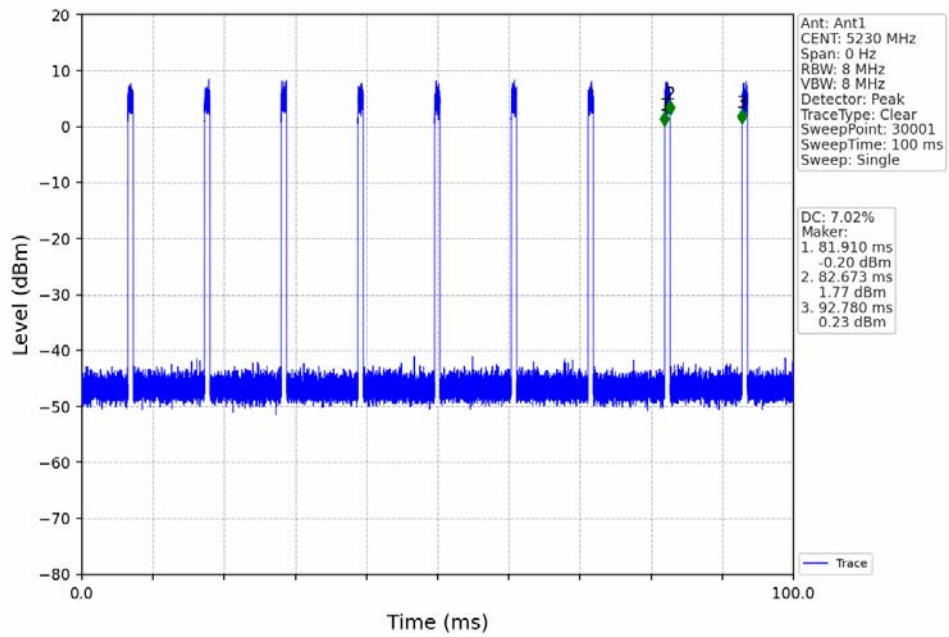
802.11ax(HEW20)_HCH_5240MHz_RU242_Left_Ant1_NTNV



802.11ax(HEW40)_LCH_5190MHz_RU484_Left_Ant1_NTNV



802.11ax(HEW40)_HCH_5230MHz_RU484_Left_Ant1_NTNV



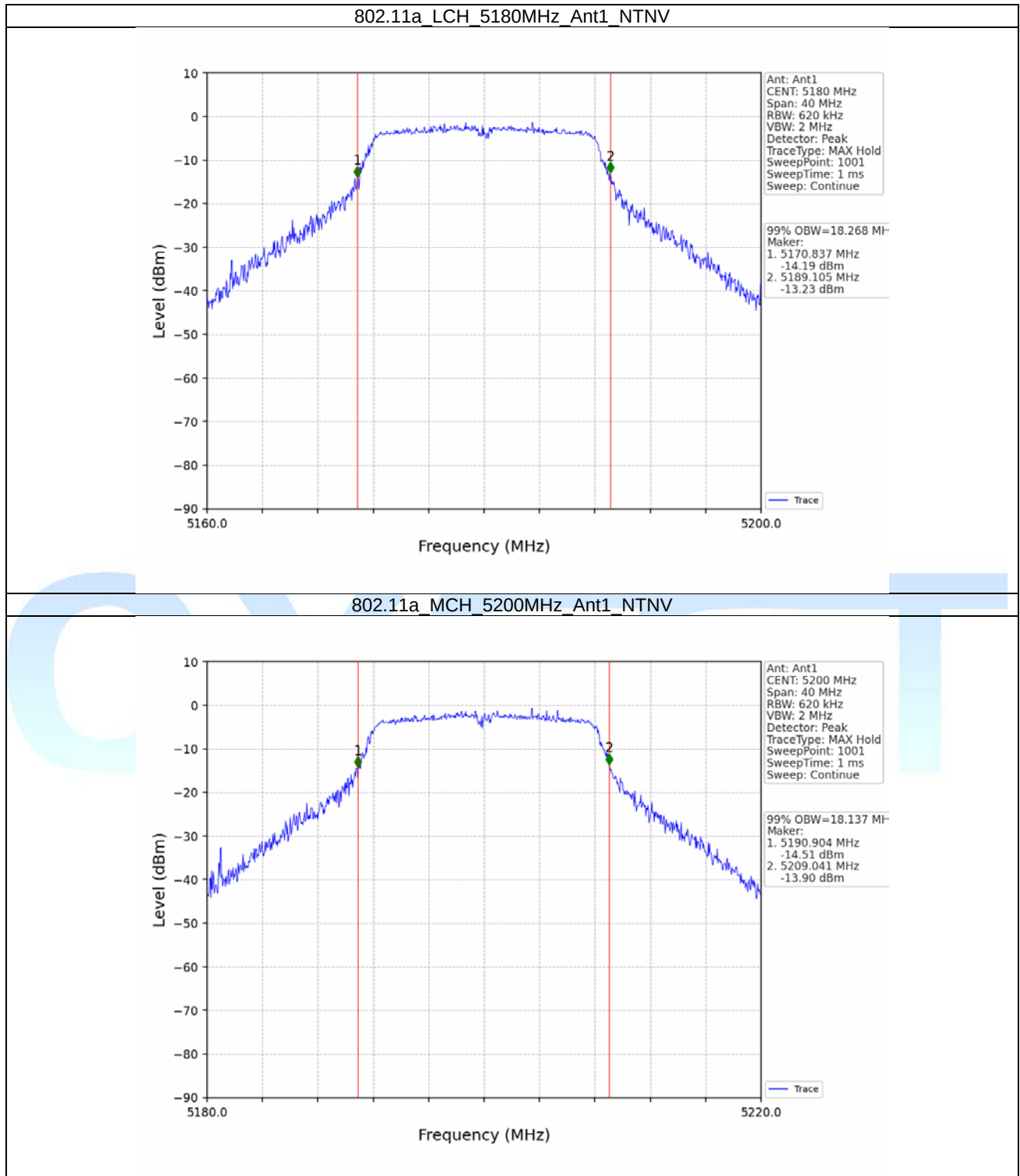
2. Bandwidth

2.1 OBW

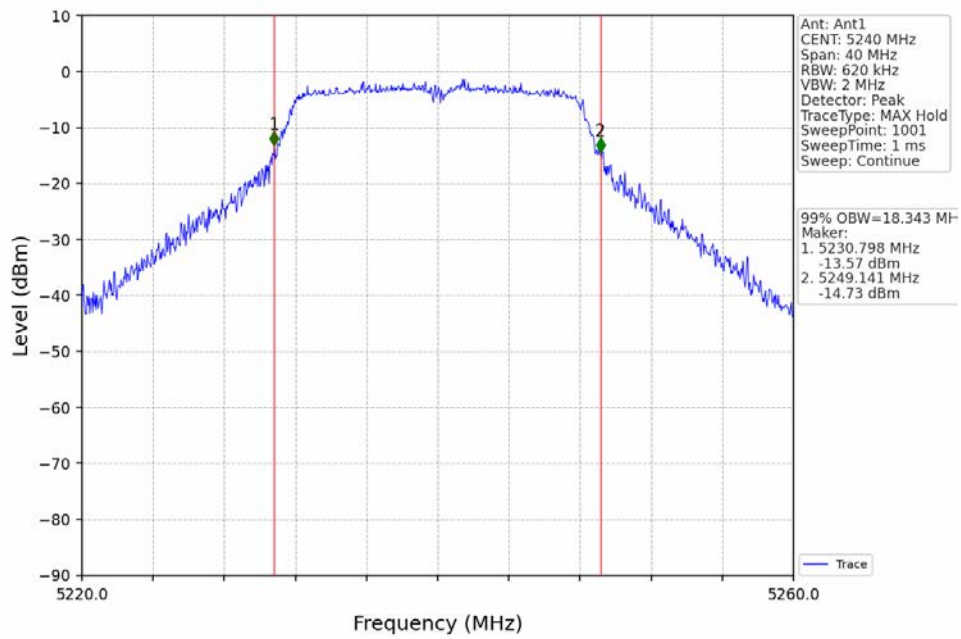
2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	99% Occupied Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	SISO	5180	/	/	1	18.268	/	Pass
		5200	/	/	1	18.137	/	Pass
		5240	/	/	1	18.343	/	Pass
802.11n (HT20)	SISO	5180	/	/	1	19.214	/	Pass
		5200	/	/	1	19.437	/	Pass
		5240	/	/	1	19.366	/	Pass
802.11n (HT40)	SISO	5190	/	/	1	37.452	/	Pass
		5230	/	/	1	37.526	/	Pass
802.11ac (VHT20)	SISO	5180	/	/	1	19.365	/	Pass
		5200	/	/	1	19.189	/	Pass
		5240	/	/	1	19.265	/	Pass
802.11ac (VHT40)	SISO	5190	/	/	1	37.415	/	Pass
		5230	/	/	1	37.614	/	Pass
802.11ax (HEW20)	SISO	5180	RU242	Left	1	19.834	/	Pass
		5200	RU242	Left	1	19.912	/	Pass
		5240	RU242	Left	1	19.853	/	Pass
802.11ax (HEW40)	SISO	5190	RU484	Left	1	38.655	/	Pass
		5230	RU484	Left	1	38.653	/	Pass

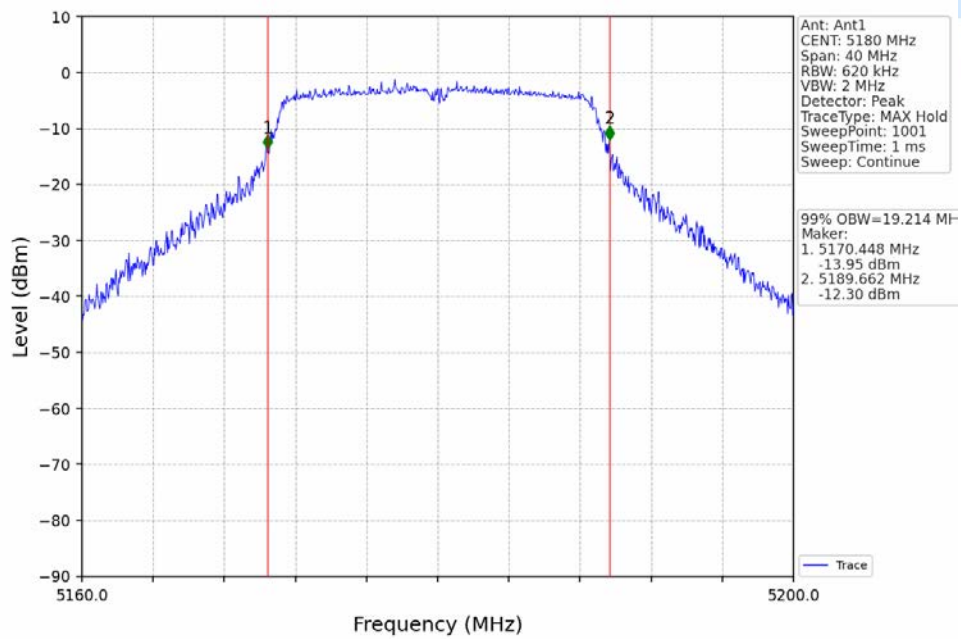
2.1.2 Test Graph



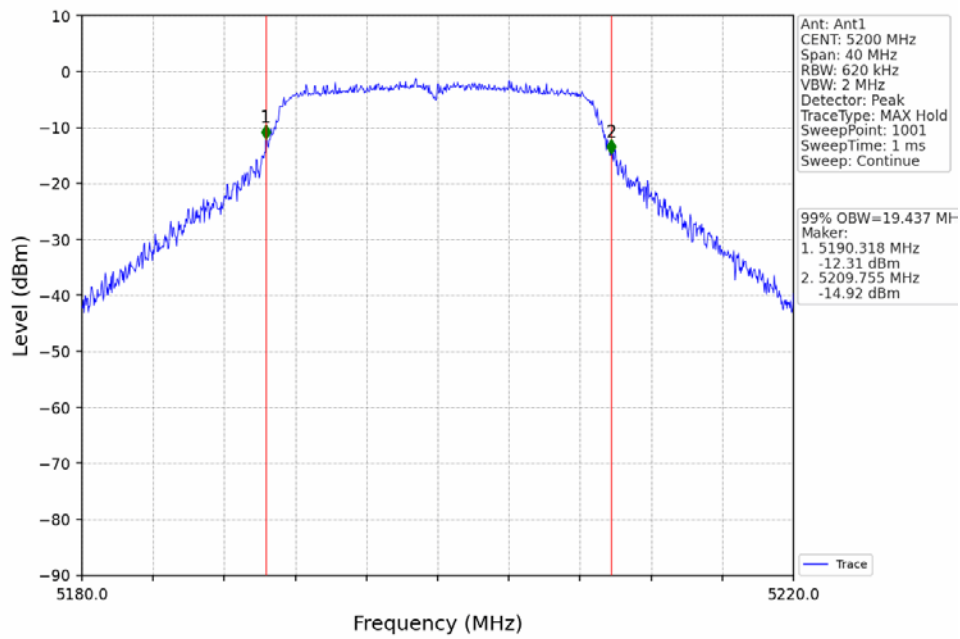
802.11a_HCH_5240MHz_Ant1_NTNV



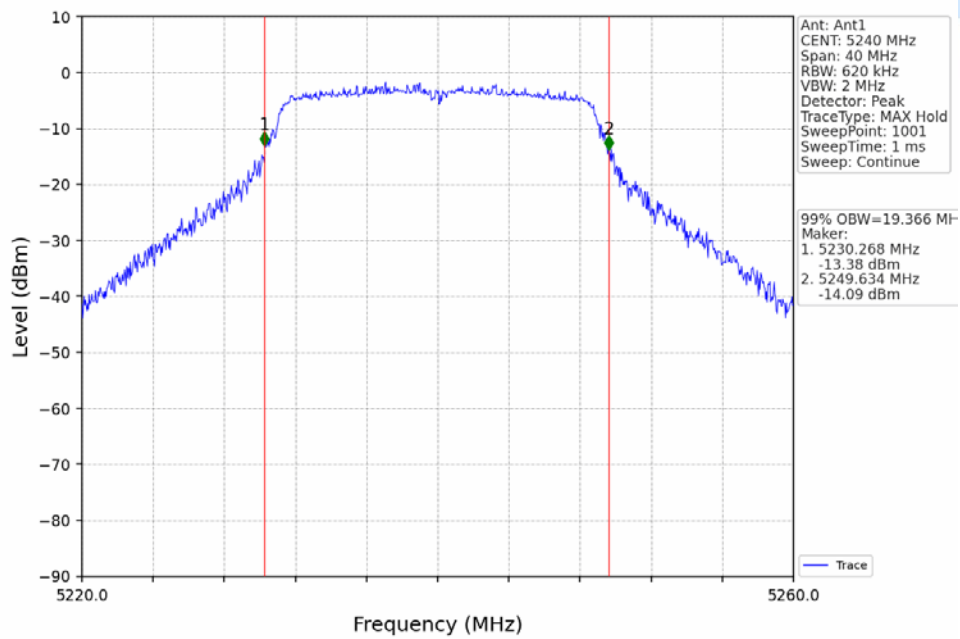
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



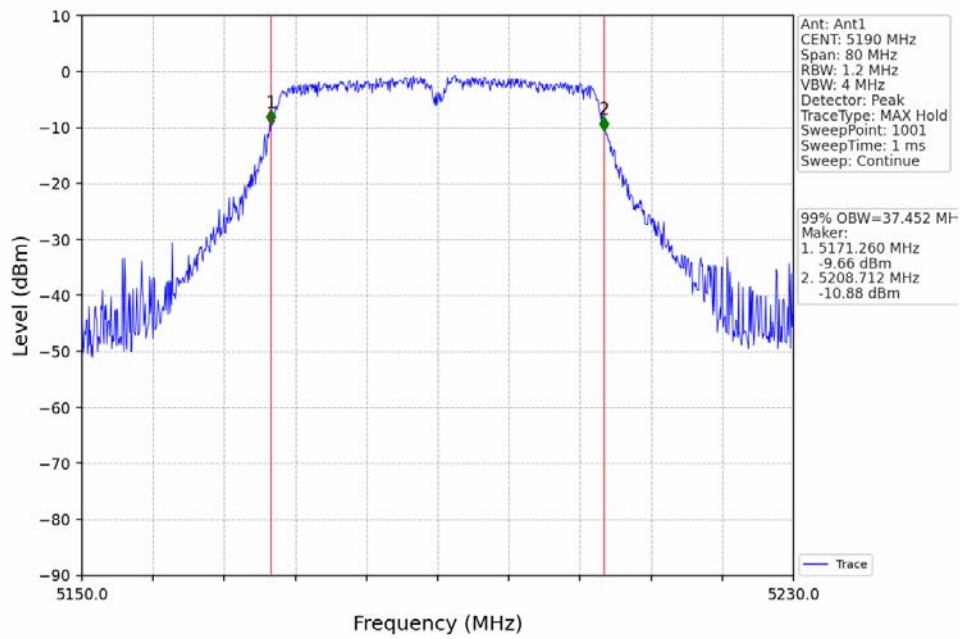
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



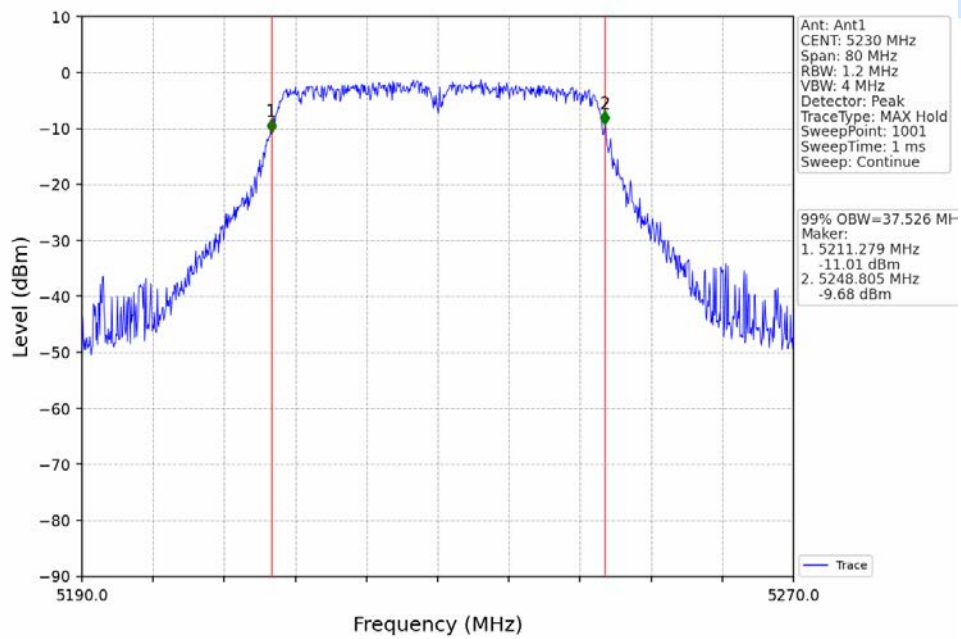
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



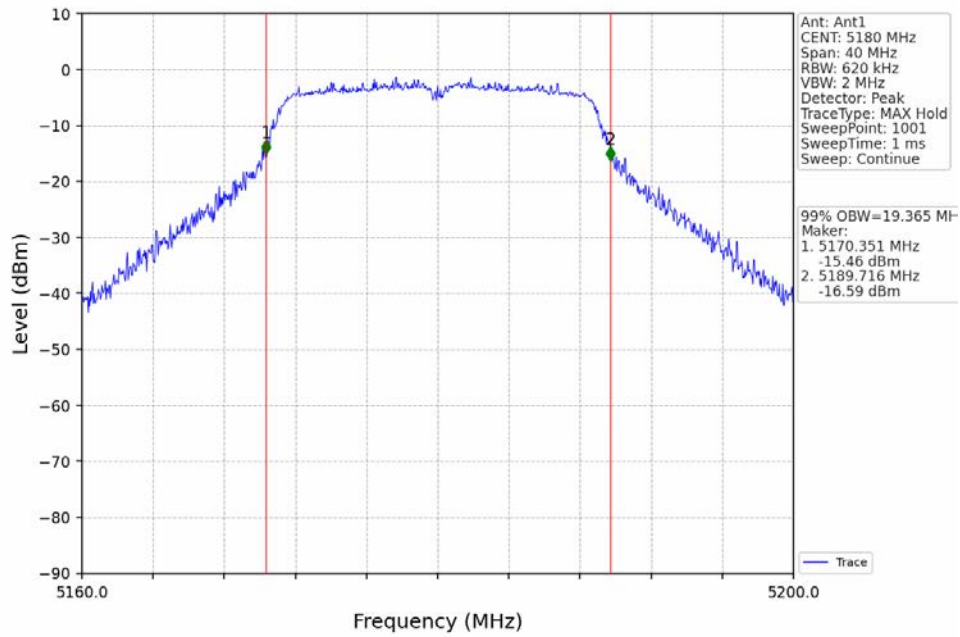
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



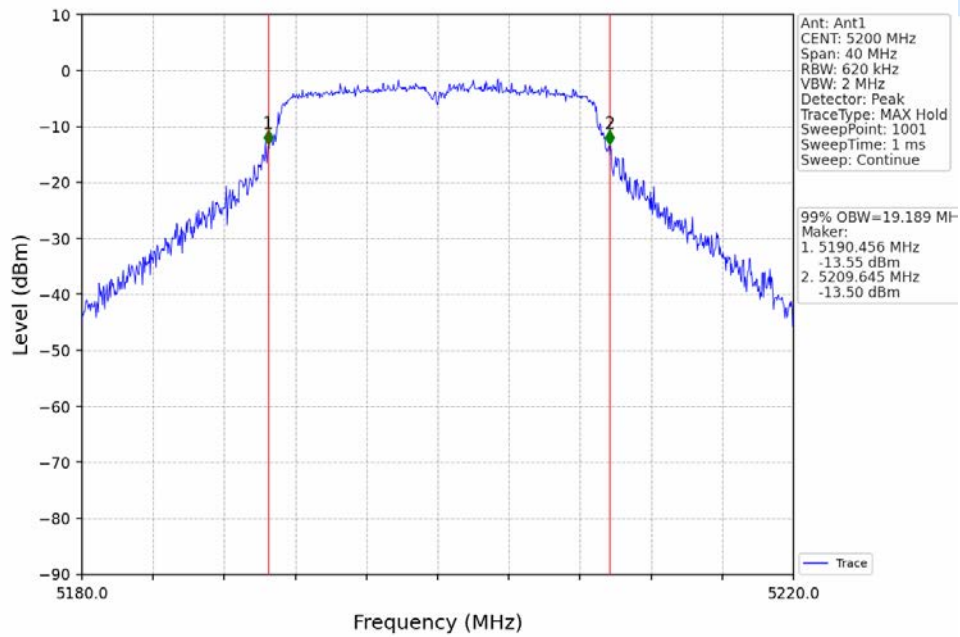
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



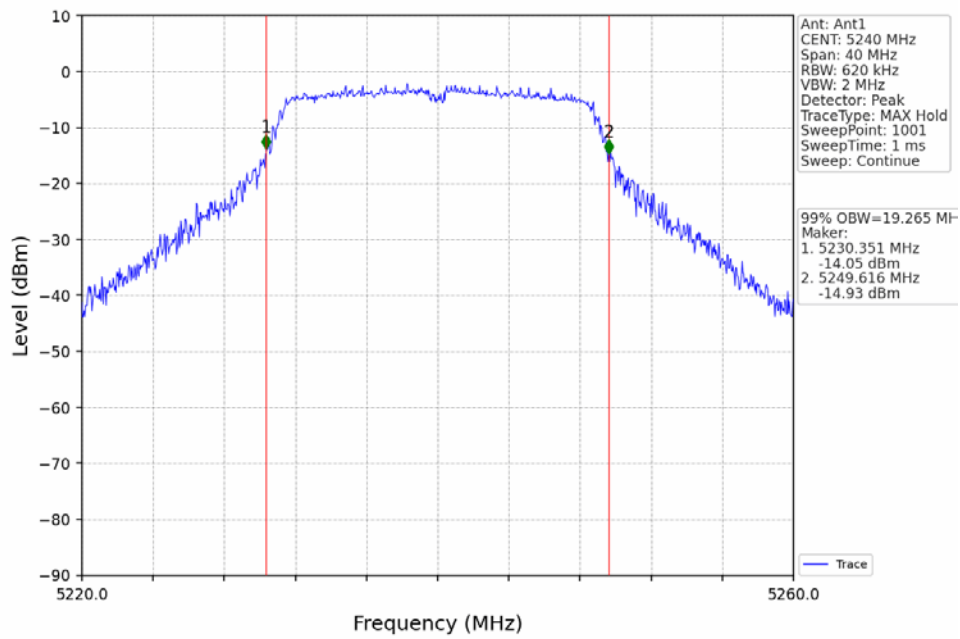
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



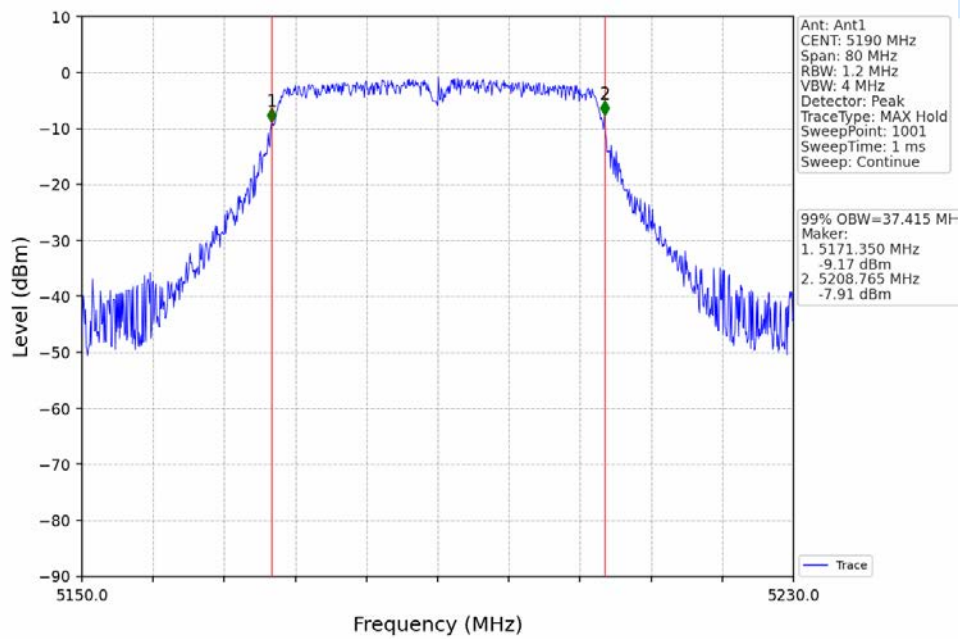
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



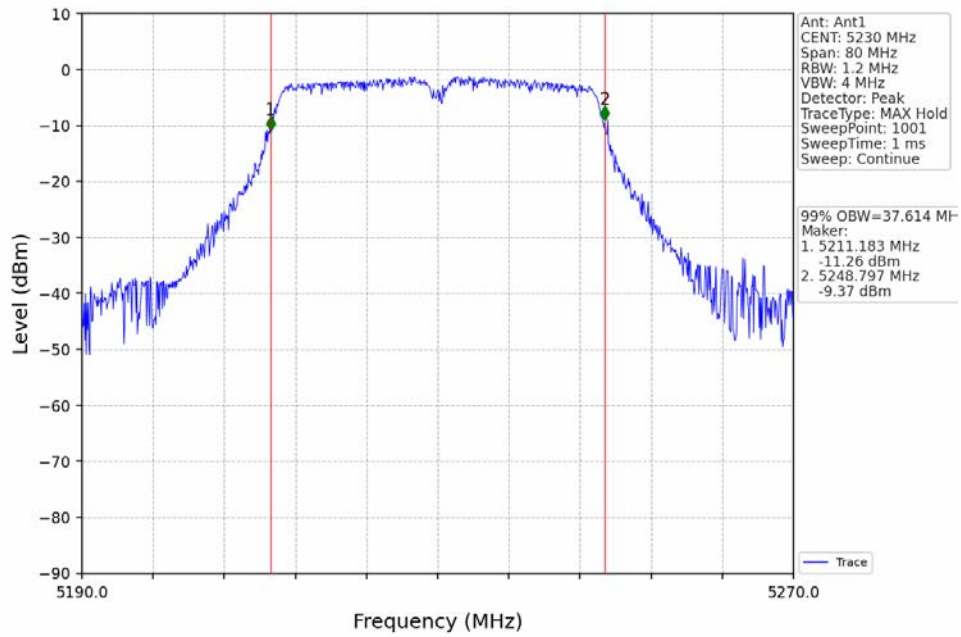
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



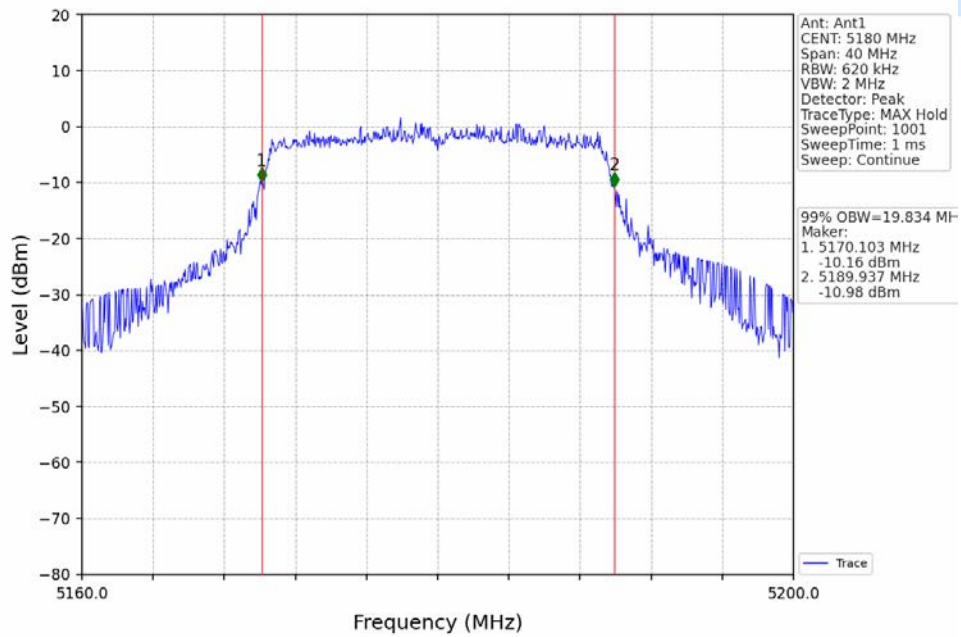
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



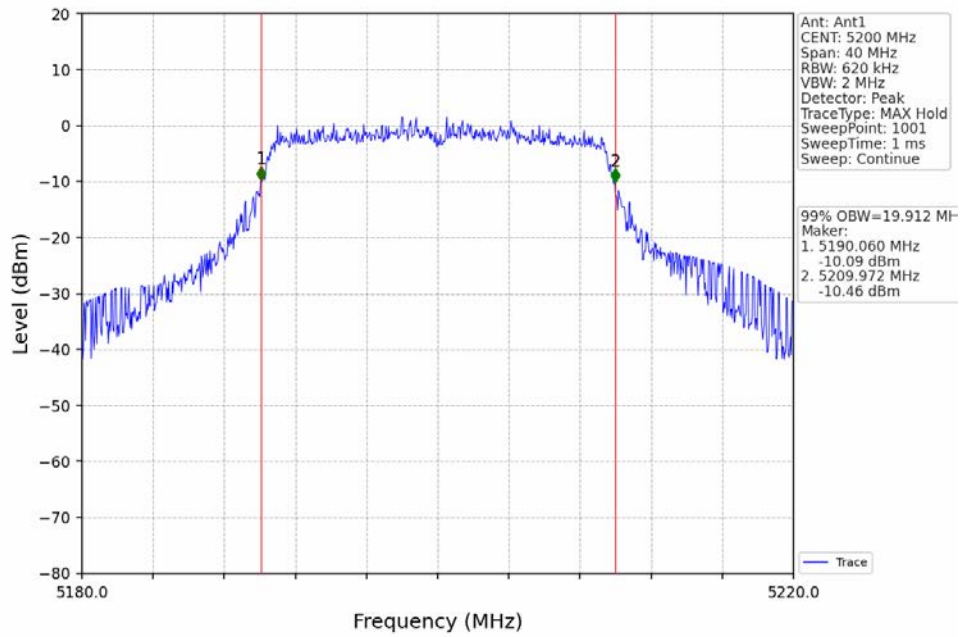
802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



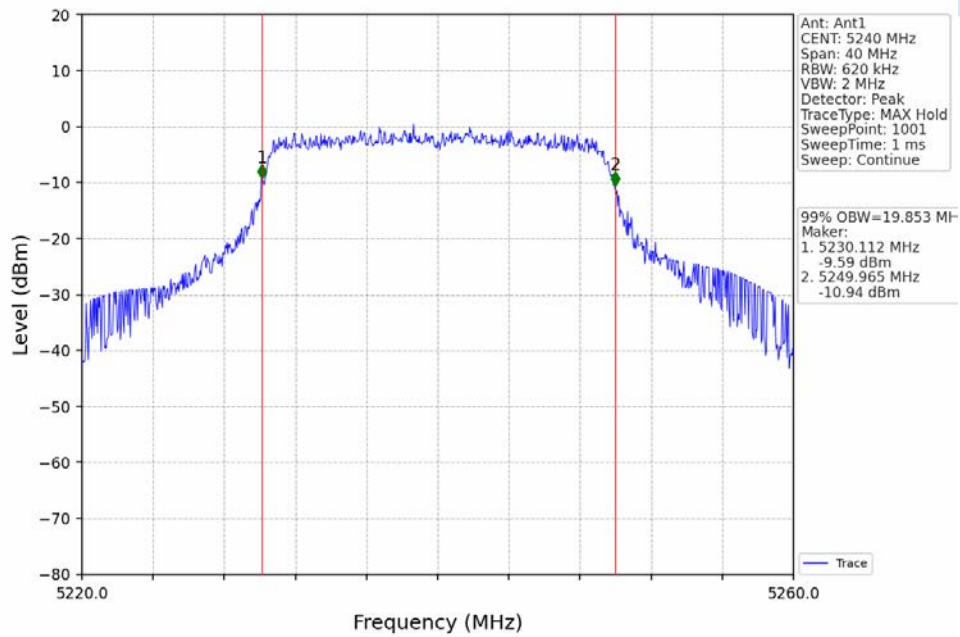
802.11ax(HEW20)_LCH_5180MHz_RU242_Left_Ant1_NTNV



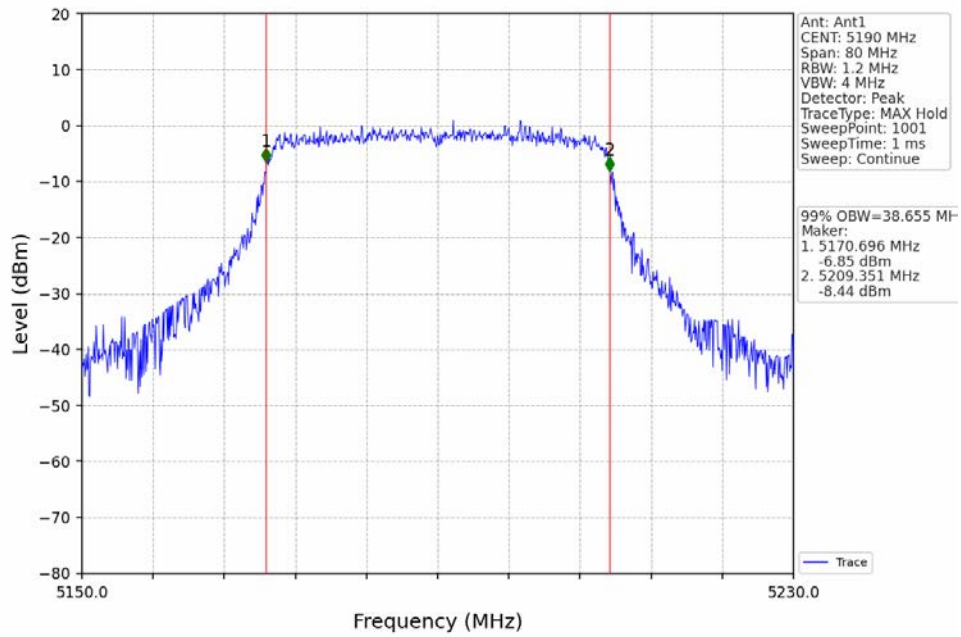
802.11ax(HEW20)_MCH_5200MHz_RU242_Left_Ant1_NTNV



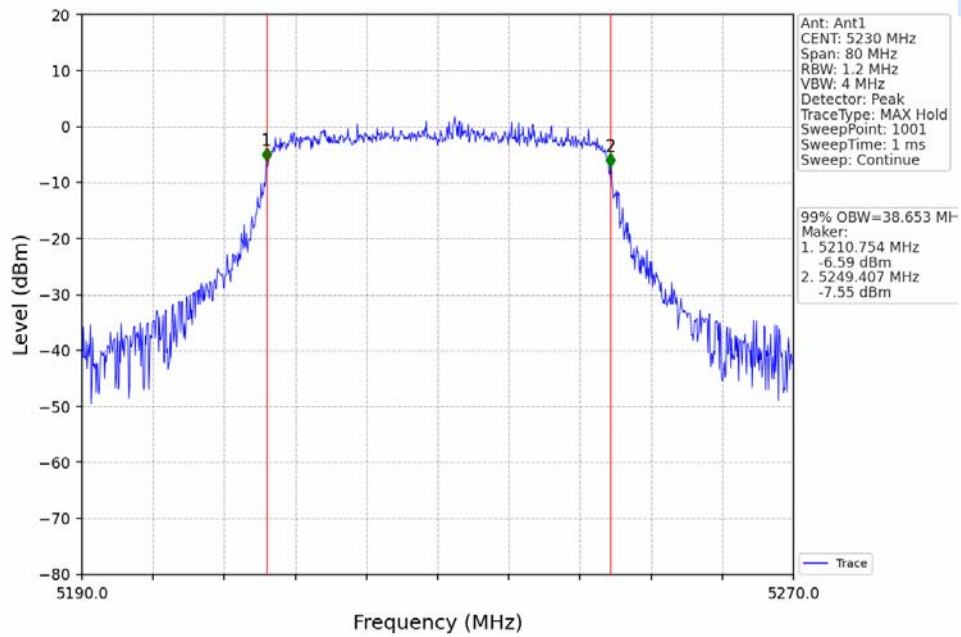
802.11ax(HEW20)_HCH_5240MHz_RU242_Left_Ant1_NTNV



802.11ax(HEW40)_LCH_5190MHz_RU484_Left_Ant1_NTNV



802.11ax(HEW40)_HCH_5230MHz_RU484_Left_Ant1_NTNV

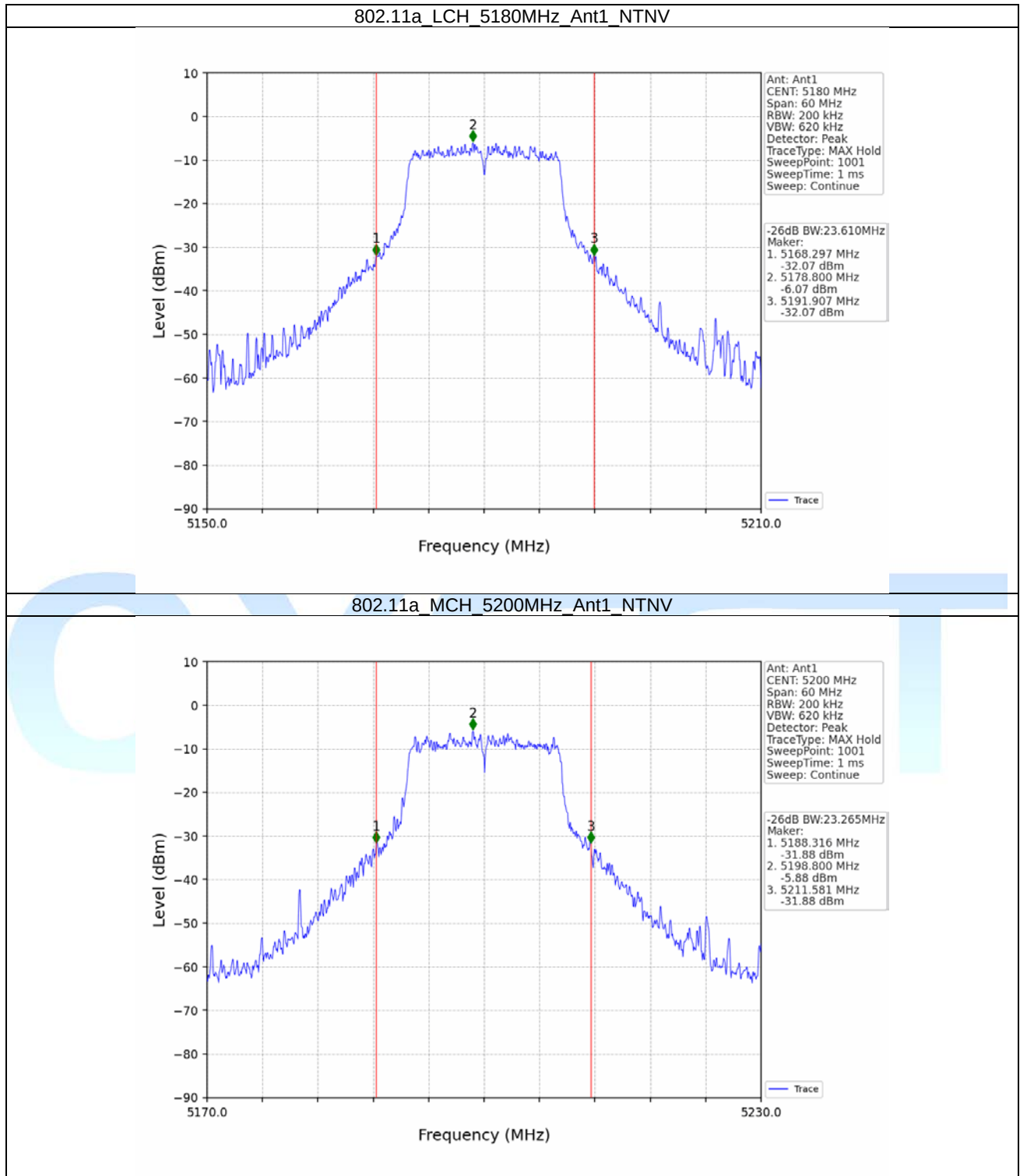


2.2 26dB BW

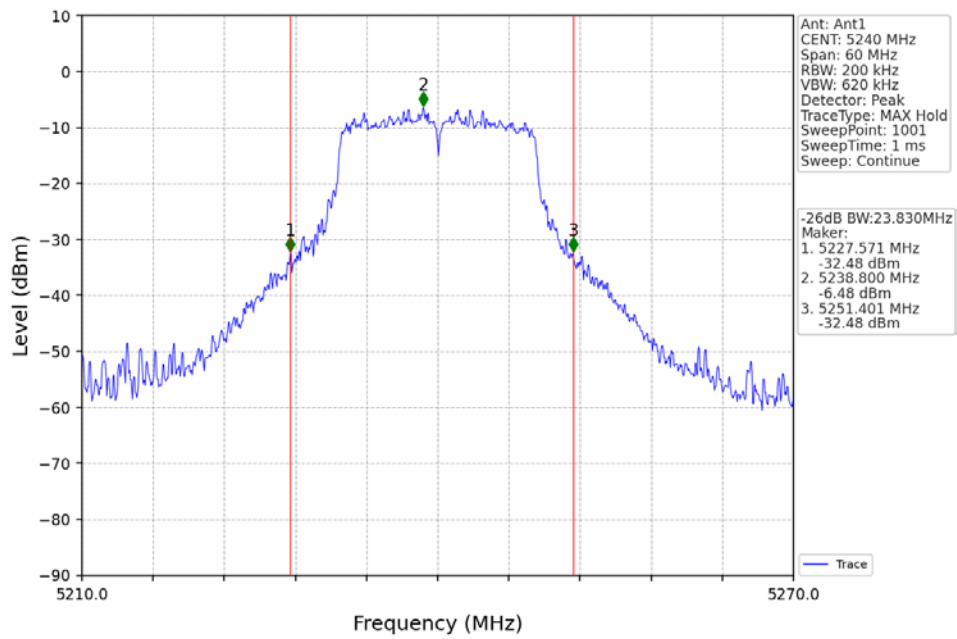
2.2.1 Test Result

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	26dB Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	SISO	5180	/	/	1	23.610	/	Pass
		5200	/	/	1	23.265	/	Pass
		5240	/	/	1	23.830	/	Pass
802.11n (HT20)	SISO	5180	/	/	1	24.270	/	Pass
		5200	/	/	1	24.742	/	Pass
		5240	/	/	1	24.184	/	Pass
802.11n (HT40)	SISO	5190	/	/	1	45.446	/	Pass
		5230	/	/	1	44.949	/	Pass
802.11ac (VHT20)	SISO	5180	/	/	1	24.516	/	Pass
		5200	/	/	1	24.666	/	Pass
		5240	/	/	1	24.343	/	Pass
802.11ac (VHT40)	SISO	5190	/	/	1	46.161	/	Pass
		5230	/	/	1	46.714	/	Pass
802.11ax (HEW20)	SISO	5180	RU242	Left	1	25.466	/	Pass
		5200	RU242	Left	1	24.664	/	Pass
		5240	RU242	Left	1	23.235	/	Pass
802.11ax (HEW40)	SISO	5190	RU484	Left	1	43.508	/	Pass
		5230	RU484	Left	1	43.917	/	Pass

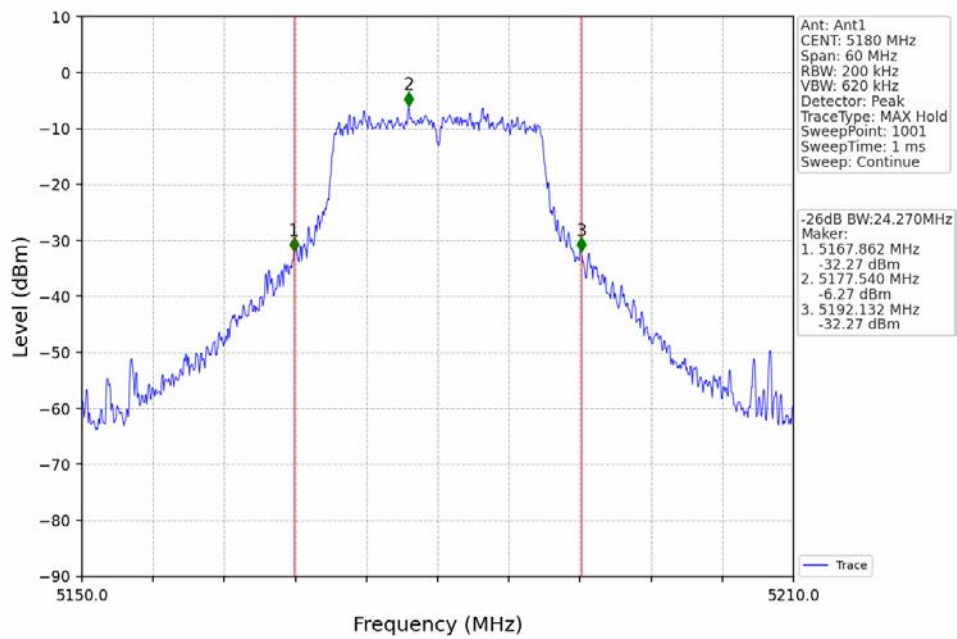
2.2.2 Test Graph



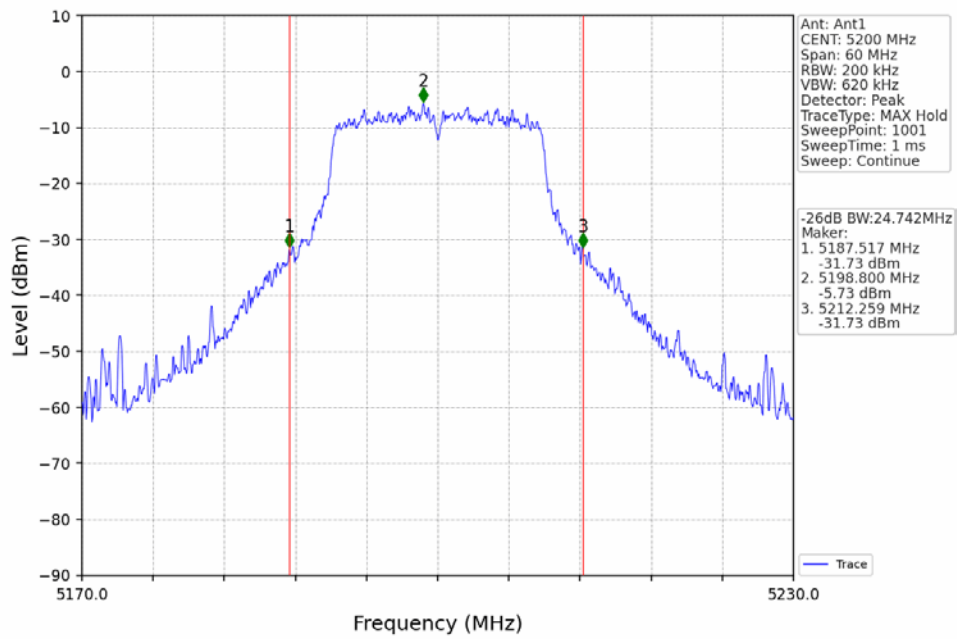
802.11a_HCH_5240MHz_Ant1_NTNV



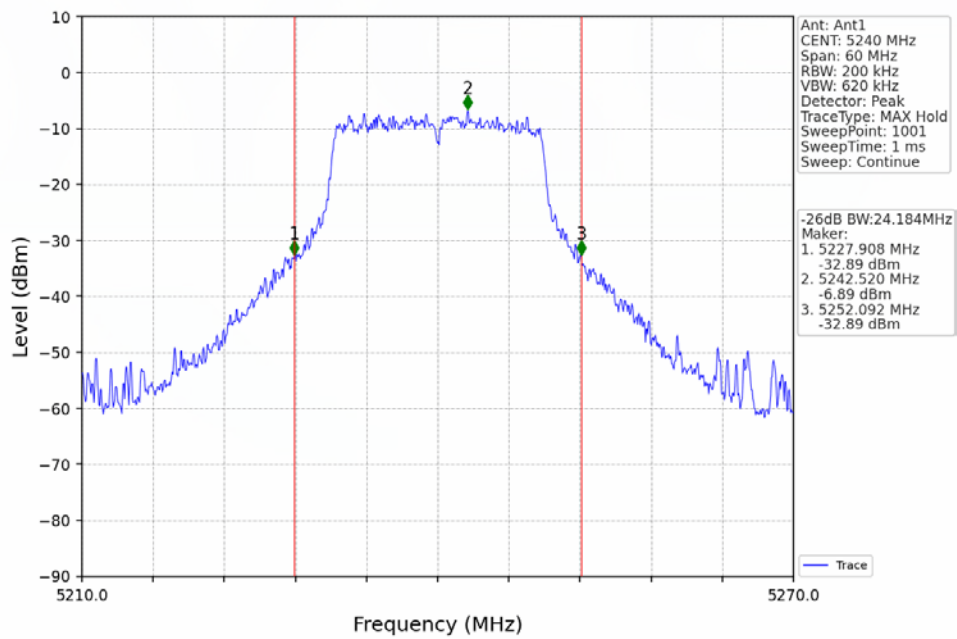
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



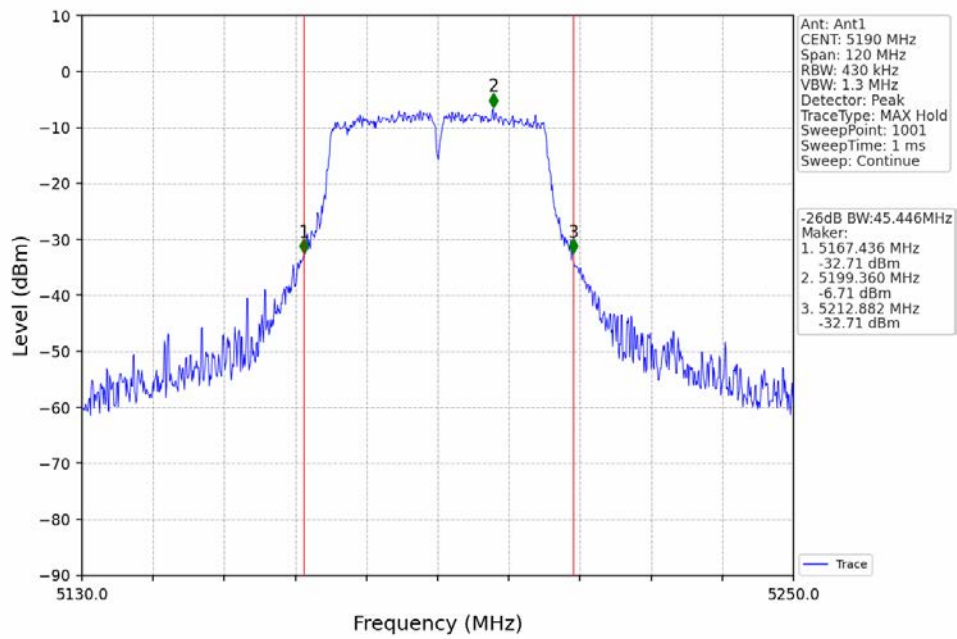
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



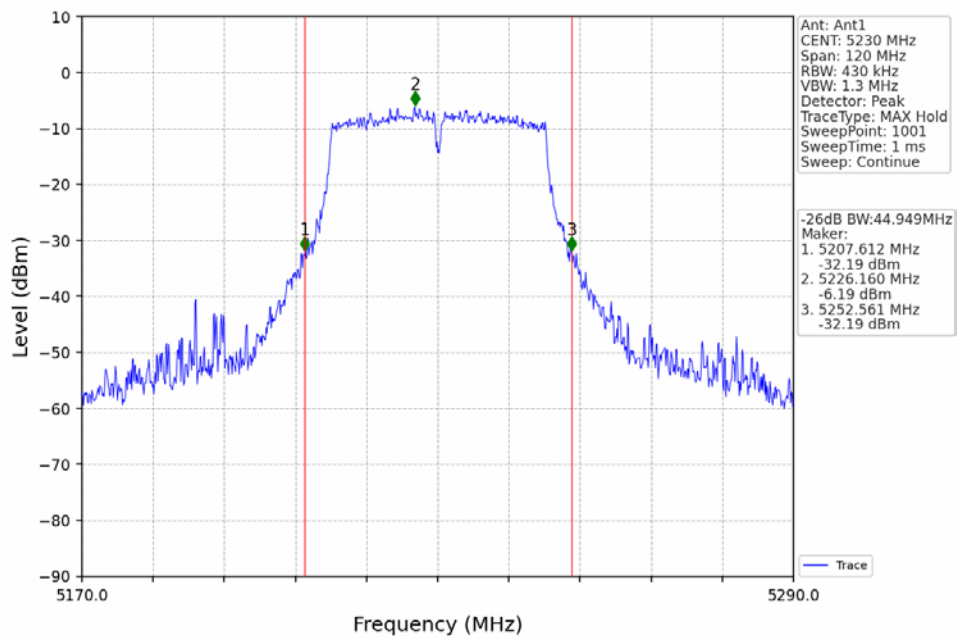
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



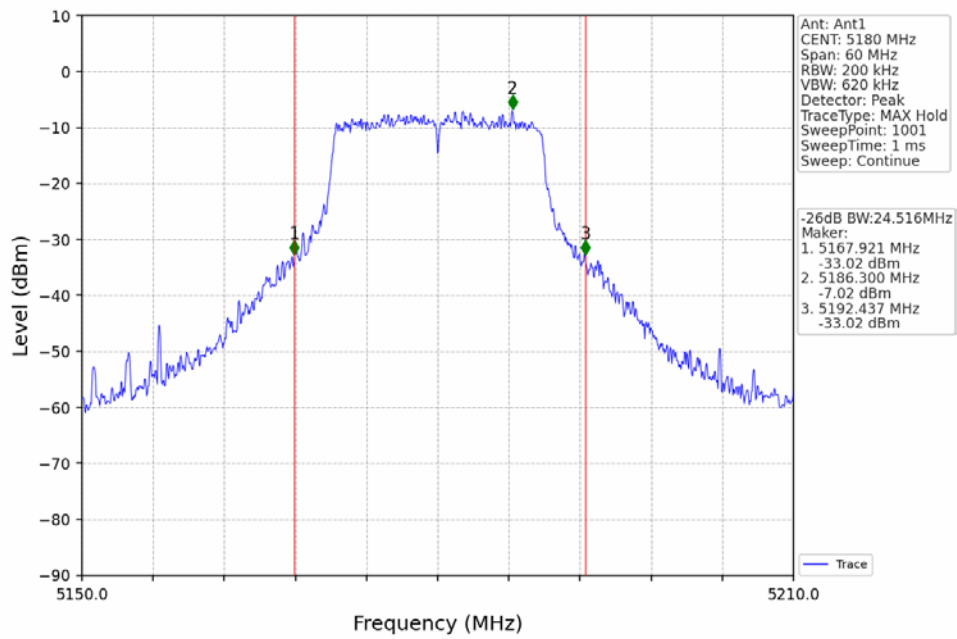
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



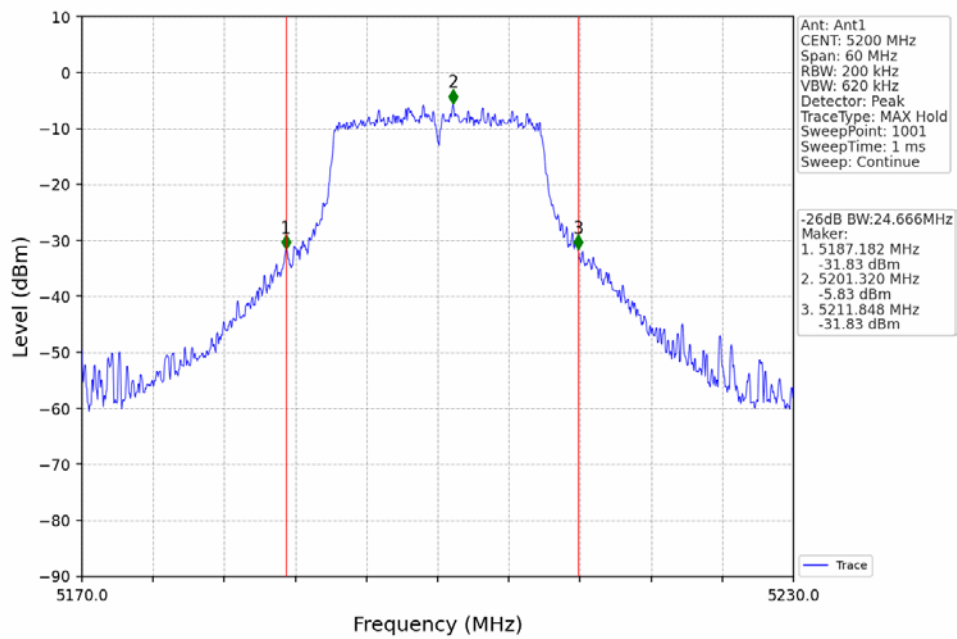
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



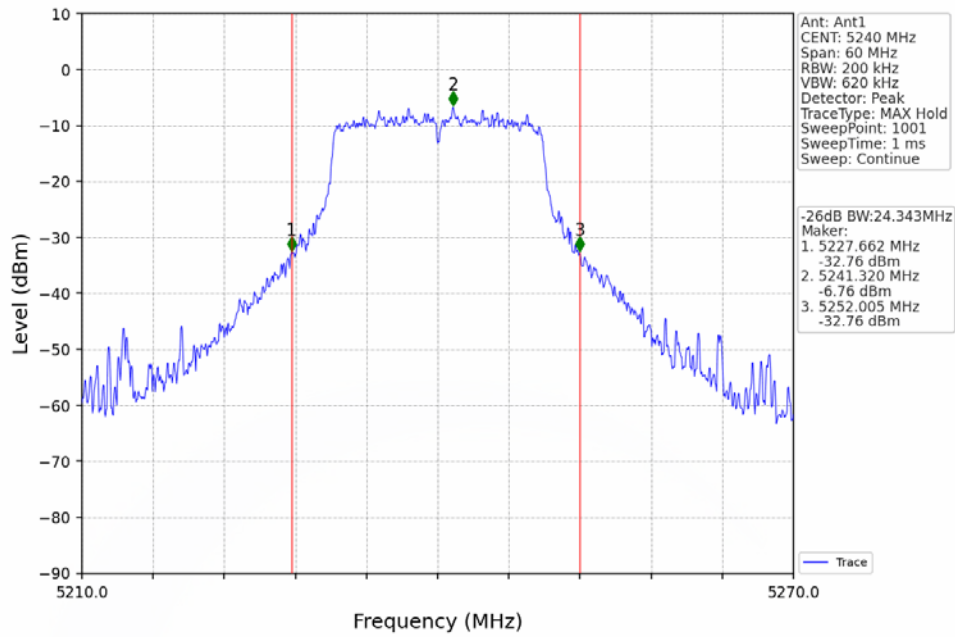
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



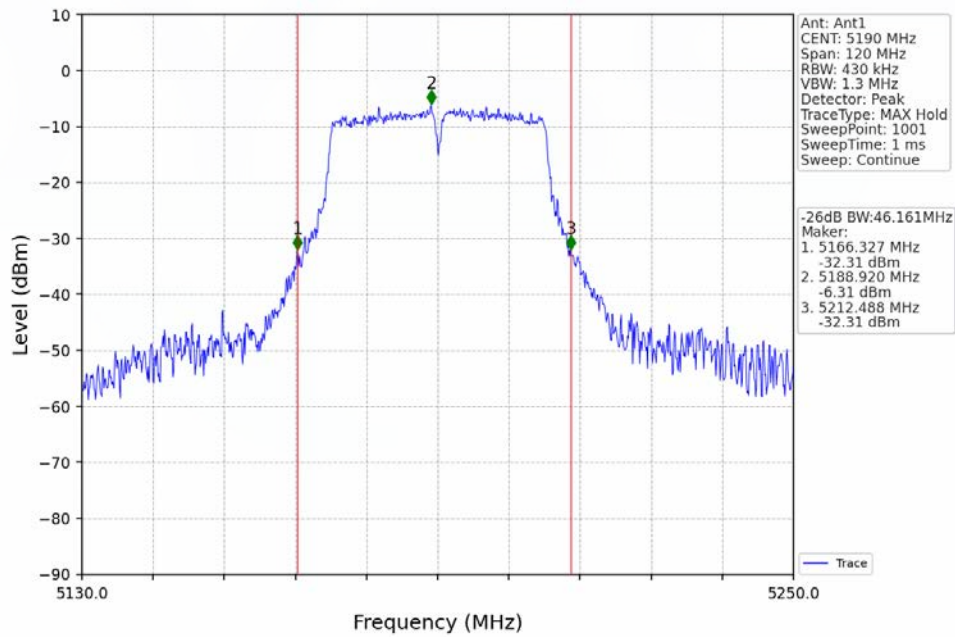
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



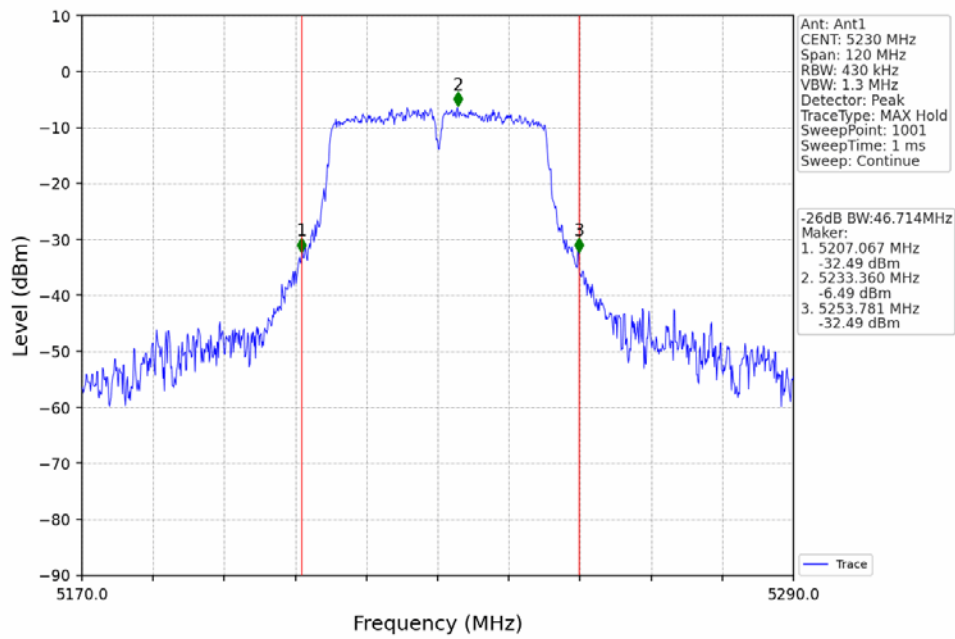
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



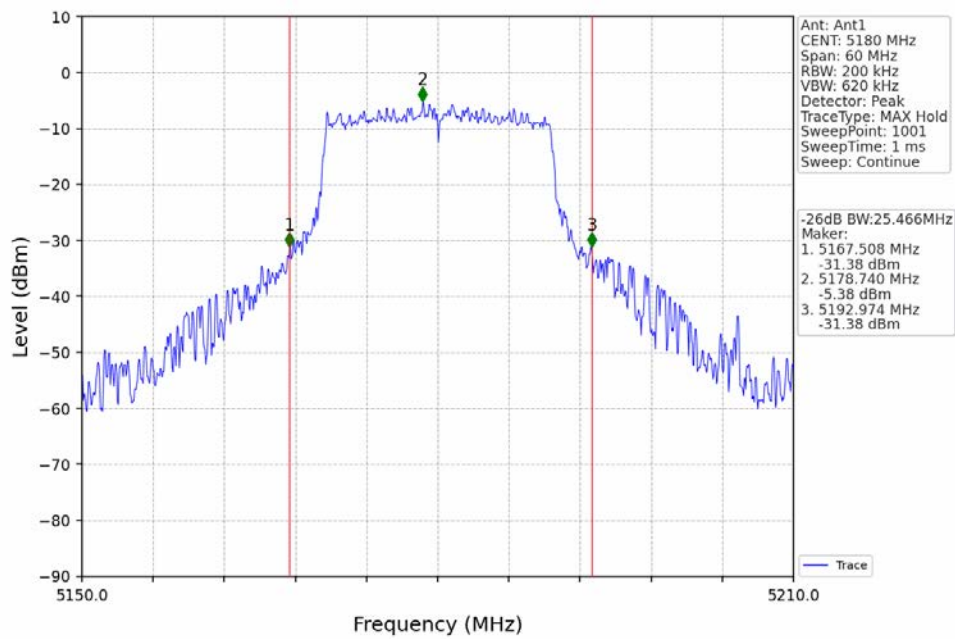
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



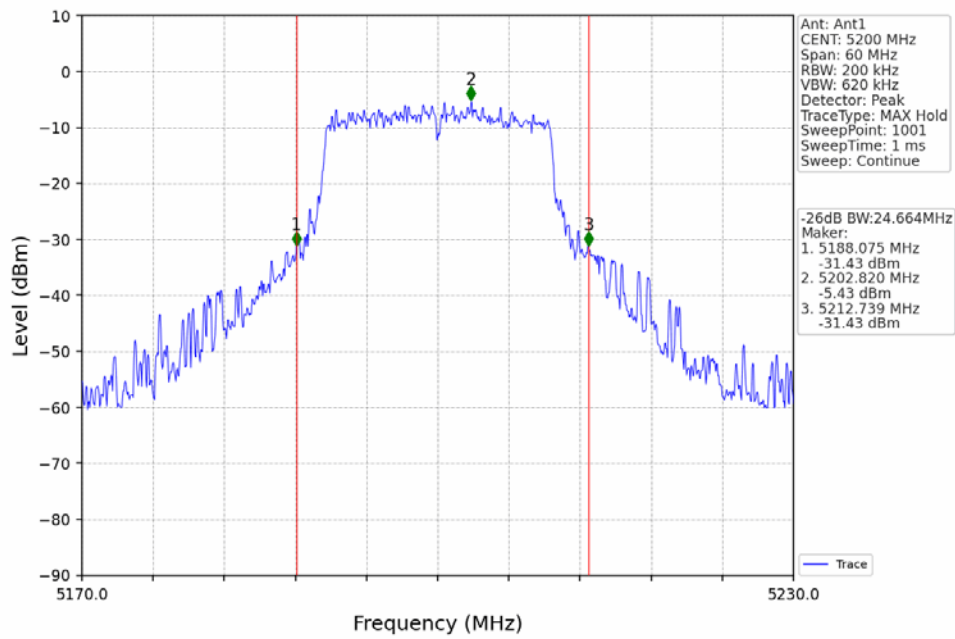
802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



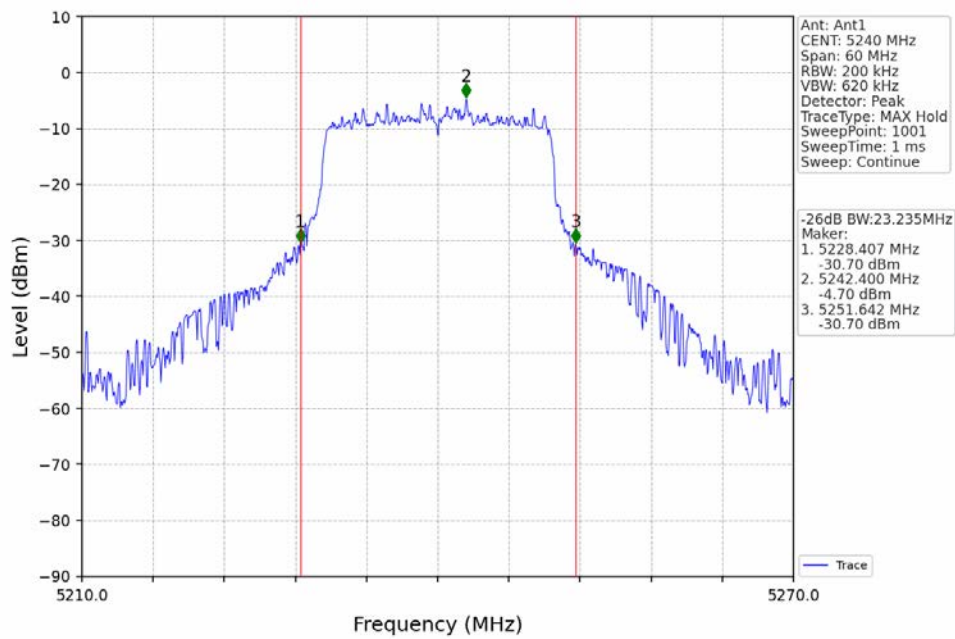
802.11ax(HEW20)_LCH_5180MHz_RU242_Left_Ant1_NTNV



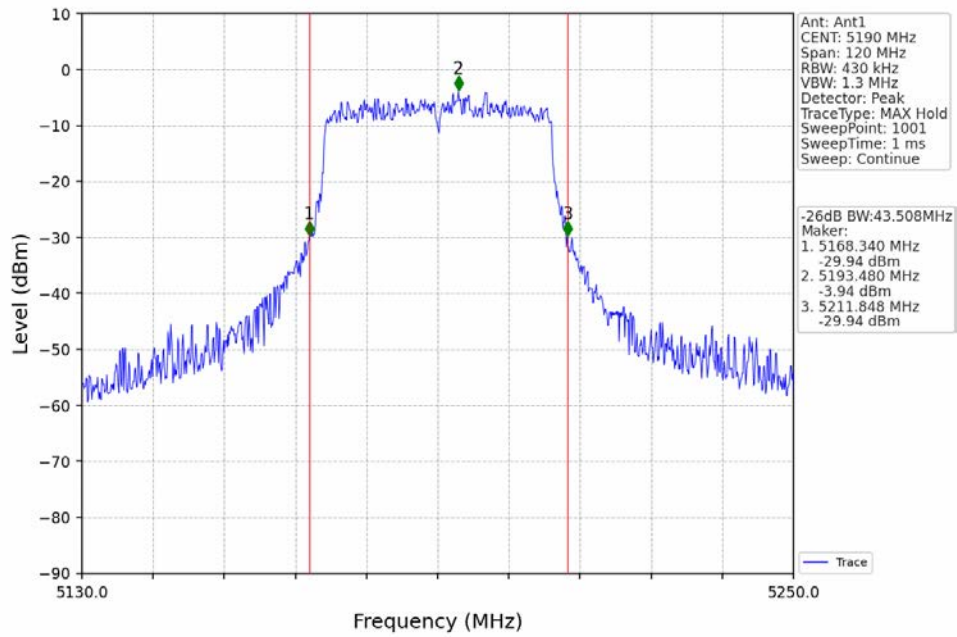
802.11ax(HEW20)_MCH_5200MHz_RU242_Left_Ant1_NTNV



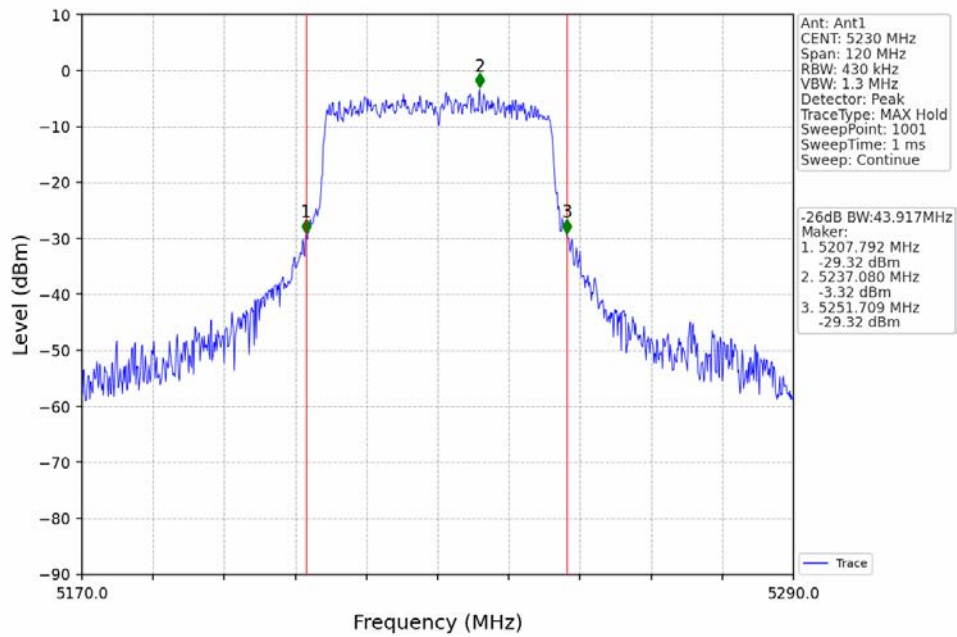
802.11ax(HEW20)_HCH_5240MHz_RU242_Left_Ant1_NTNV



802.11ax(HEW40)_LCH_5190MHz_RU484_Left_Ant1_NTNV



802.11ax(HEW40)_HCH_5230MHz_RU484_Left_Ant1_NTNV



3. Maximum Conducted Output Power

3.1 Power

3.1.1 Test Result

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum Average Conducted Output Power (dBm)		Verdict
					ANT1	Limit	
802.11a	SISO	5180	/	/	3.22	<=23.98	Pass
		5200	/	/	4.79	<=23.98	Pass
		5240	/	/	3.37	<=23.98	Pass
802.11n (HT20)	SISO	5180	/	/	5.02	<=23.98	Pass
		5200	/	/	3.85	<=23.98	Pass
		5240	/	/	3.23	<=23.98	Pass
802.11n (HT40)	SISO	5190	/	/	4.71	<=23.98	Pass
		5230	/	/	4.19	<=23.98	Pass
802.11ac (VHT20)	SISO	5180	/	/	4.97	<=23.98	Pass
		5200	/	/	4.76	<=23.98	Pass
		5240	/	/	3.60	<=23.98	Pass
802.11ac (VHT40)	SISO	5190	/	/	4.51	<=23.98	Pass
		5230	/	/	4.35	<=23.98	Pass
802.11ax (HEW20)	SISO	5180	RU242	Left	3.13	<=23.98	Pass
		5200	RU242	Left	4.44	<=23.98	Pass
		5240	RU242	Left	3.20	<=23.98	Pass
802.11ax (HEW40)	SISO	5190	RU484	Left	4.09	<=23.98	Pass
		5230	RU484	Left	4.04	<=23.98	Pass

Note1: Antenna Gain: Ant1: 1.56dBi;

4. Maximum Power Spectral Density

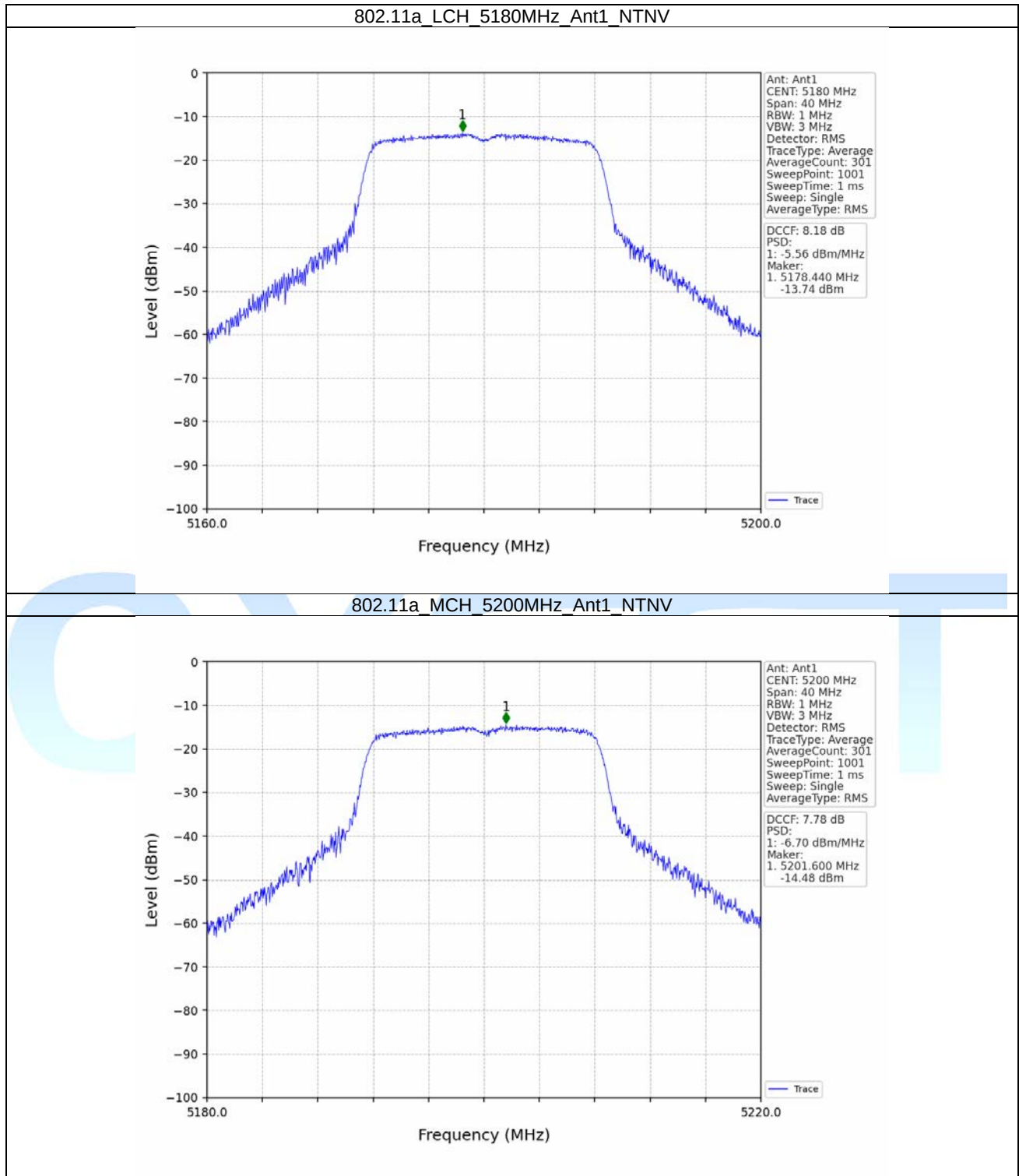
4.1 PSD

4.1.1 Test Result

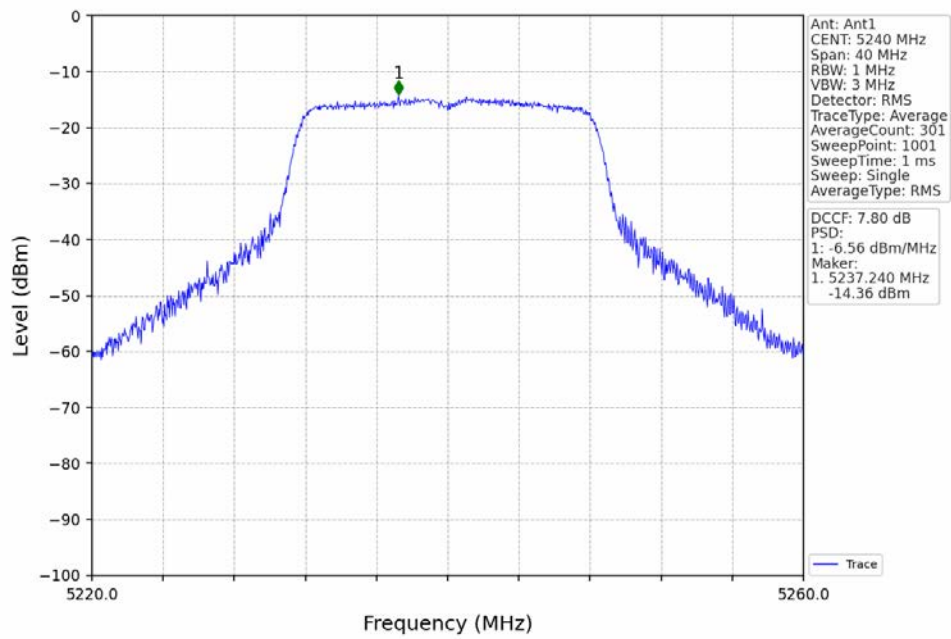
Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum PSD (dBm/MHz)		Verdict
					ANT1	Limit	
802.11a	SISO	5180	/	/	-5.56	<=11	Pass
		5200	/	/	-6.70	<=11	Pass
		5240	/	/	-6.56	<=11	Pass
802.11n (HT20)	SISO	5180	/	/	-7.27	<=11	Pass
		5200	/	/	-5.67	<=11	Pass
		5240	/	/	-6.35	<=11	Pass
802.11n (HT40)	SISO	5190	/	/	-8.75	<=11	Pass
		5230	/	/	-9.13	<=11	Pass
802.11ac (VHT20)	SISO	5180	/	/	-7.25	<=11	Pass
		5200	/	/	-5.76	<=11	Pass
		5240	/	/	-6.49	<=11	Pass
802.11ac (VHT40)	SISO	5190	/	/	-8.09	<=11	Pass
		5230	/	/	-8.97	<=11	Pass
802.11ax (HEW20)	SISO	5180	RU242	Left	-6.65	<=11	Pass
		5200	RU242	Left	-6.91	<=11	Pass
		5240	RU242	Left	-7.81	<=11	Pass
802.11ax (HEW40)	SISO	5190	RU484	Left	-8.37	<=11	Pass
		5230	RU484	Left	-9.45	<=11	Pass

Note1: Antenna Gain: Ant1: 1.56dBi;
Note2: Test result contains DCCF

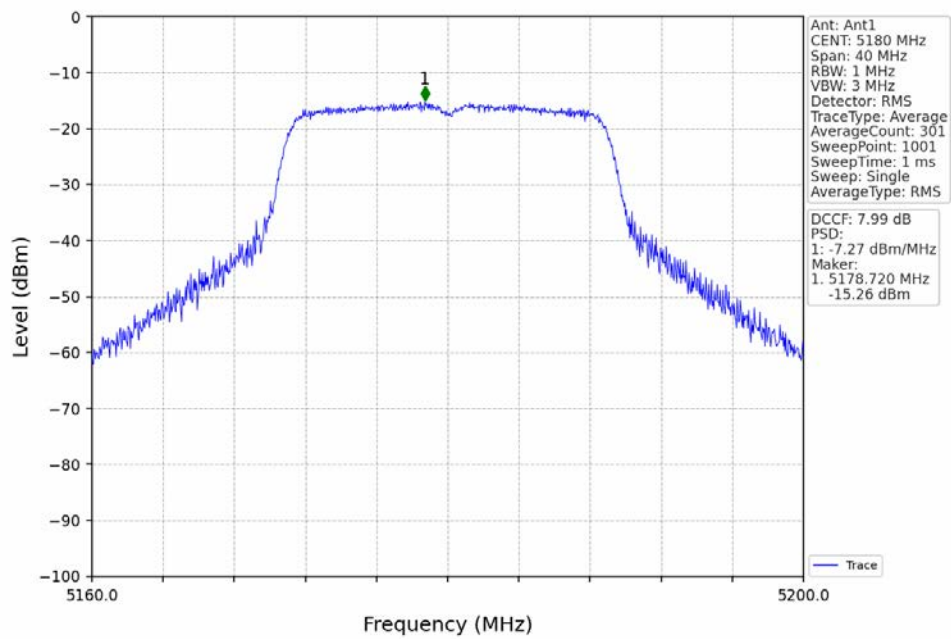
4.1.2 Test Graph



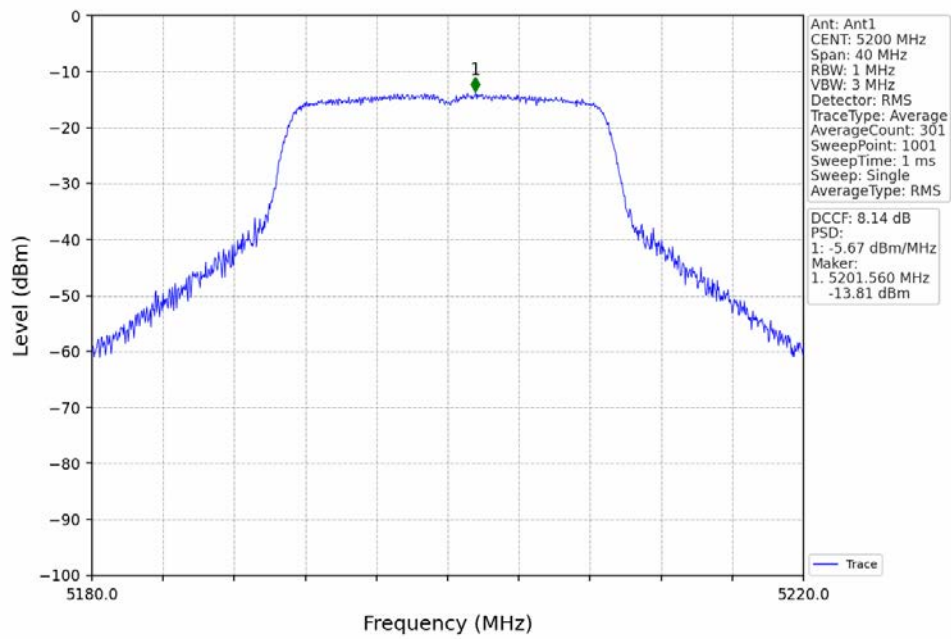
802.11a_HCH_5240MHz_Ant1_NTNV



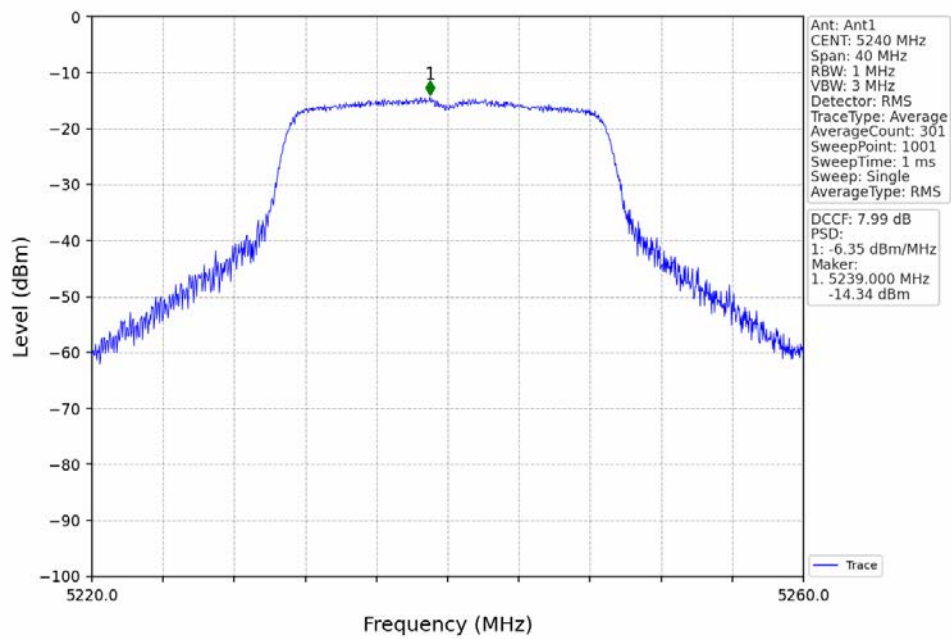
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



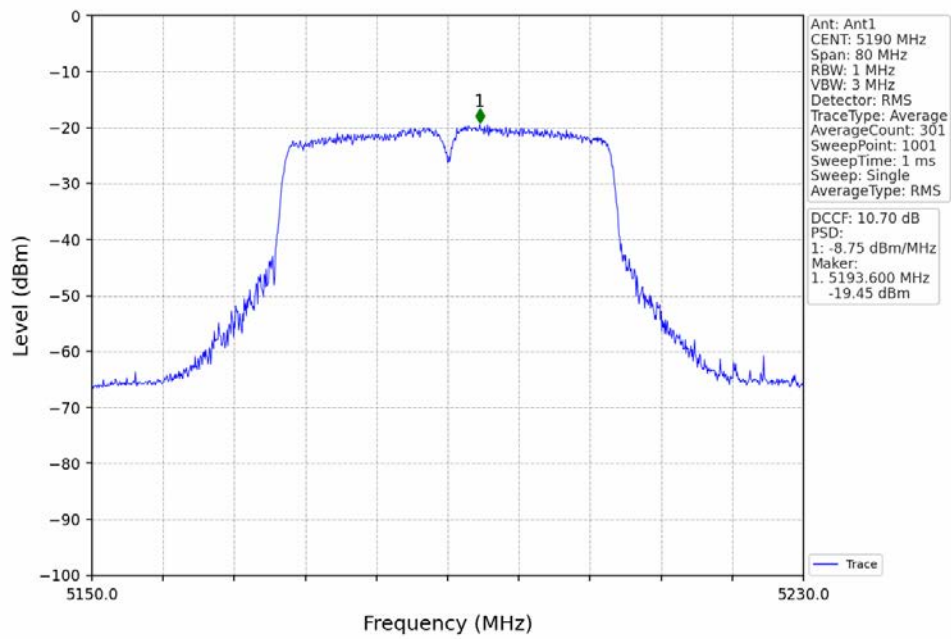
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



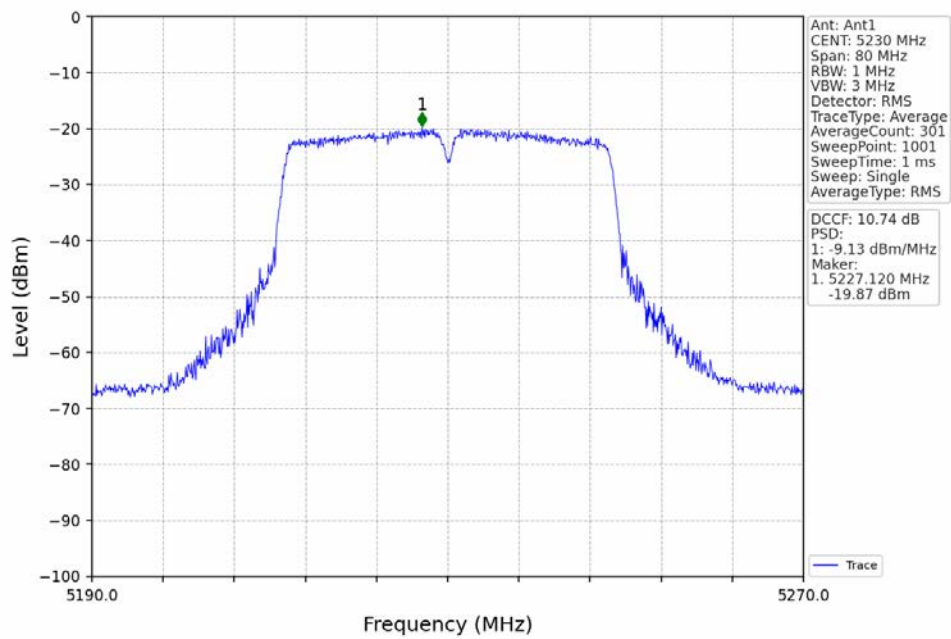
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



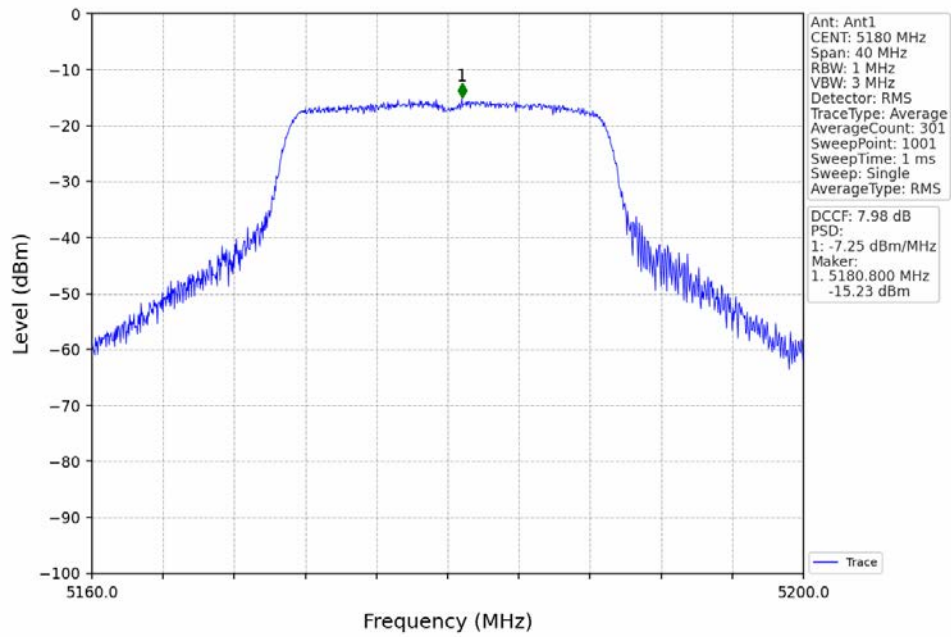
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



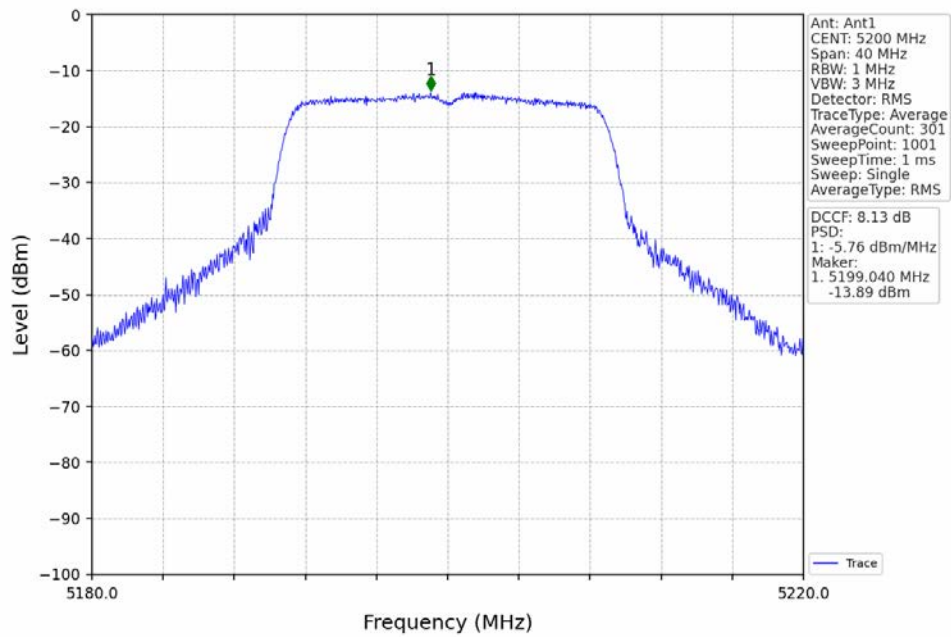
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



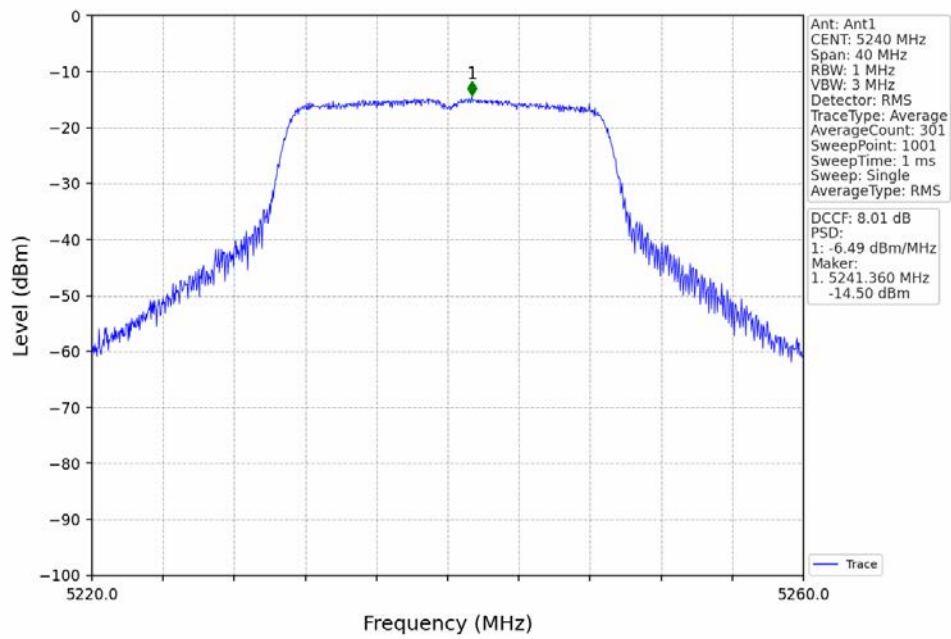
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



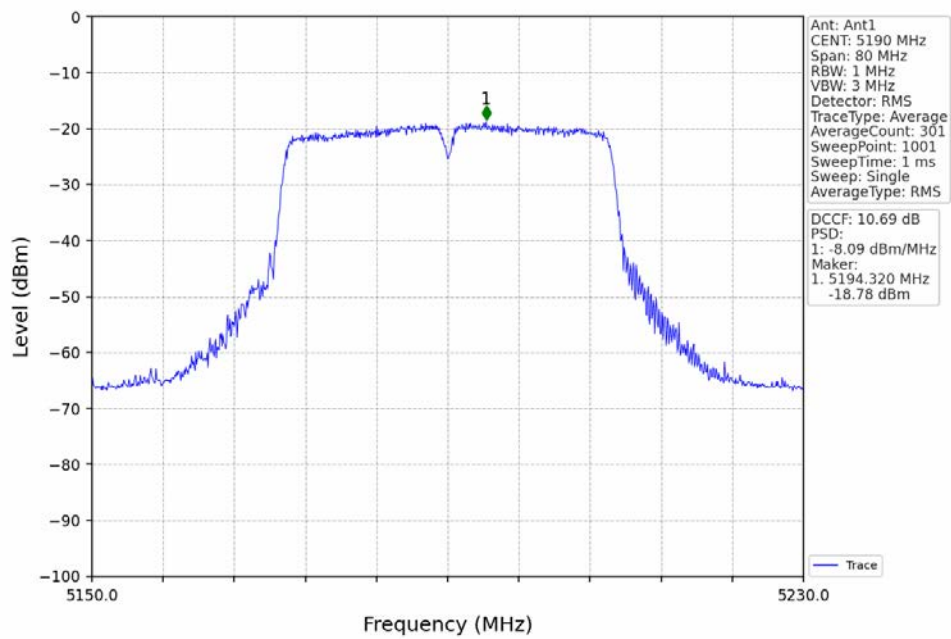
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



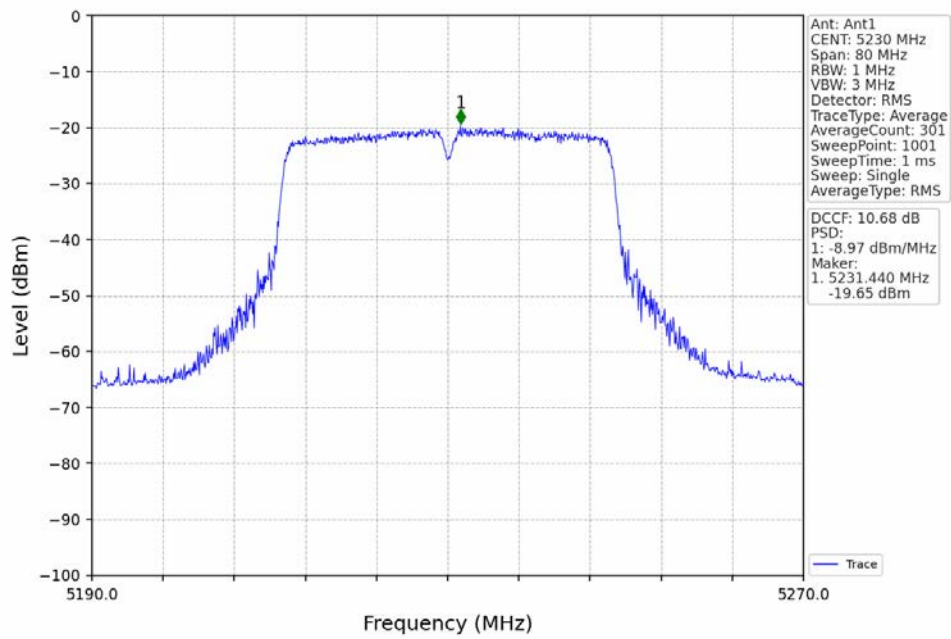
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



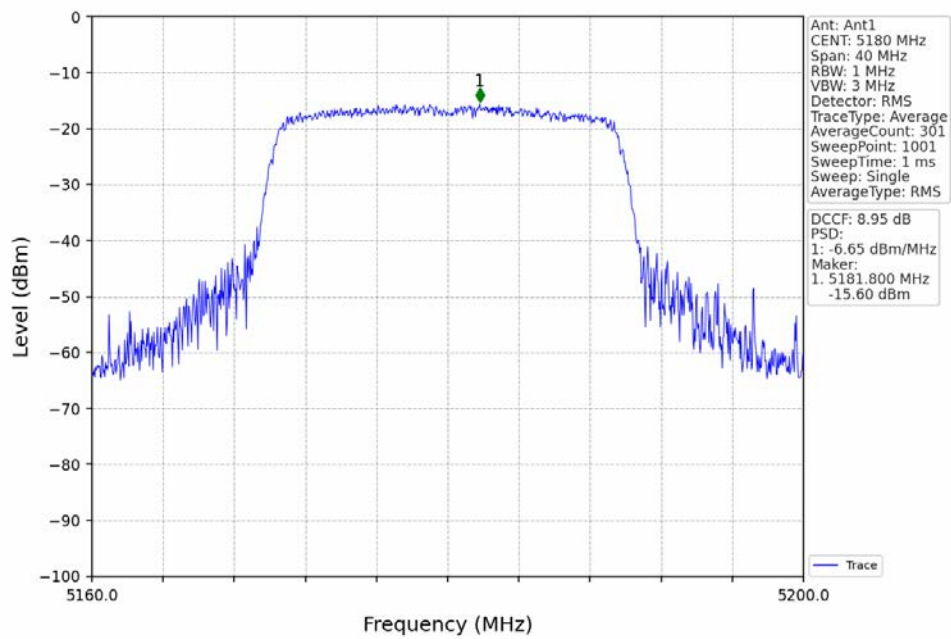
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



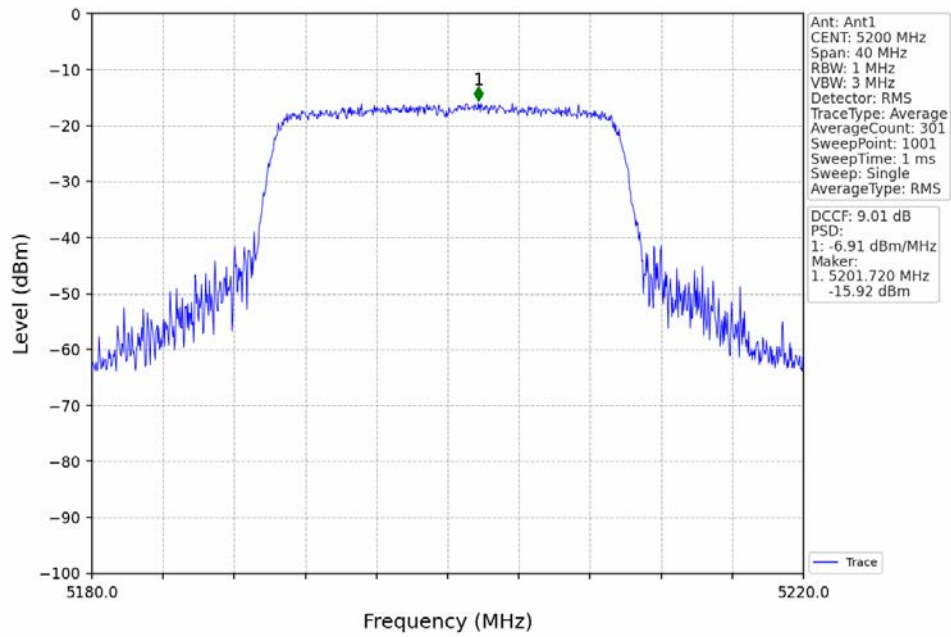
802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



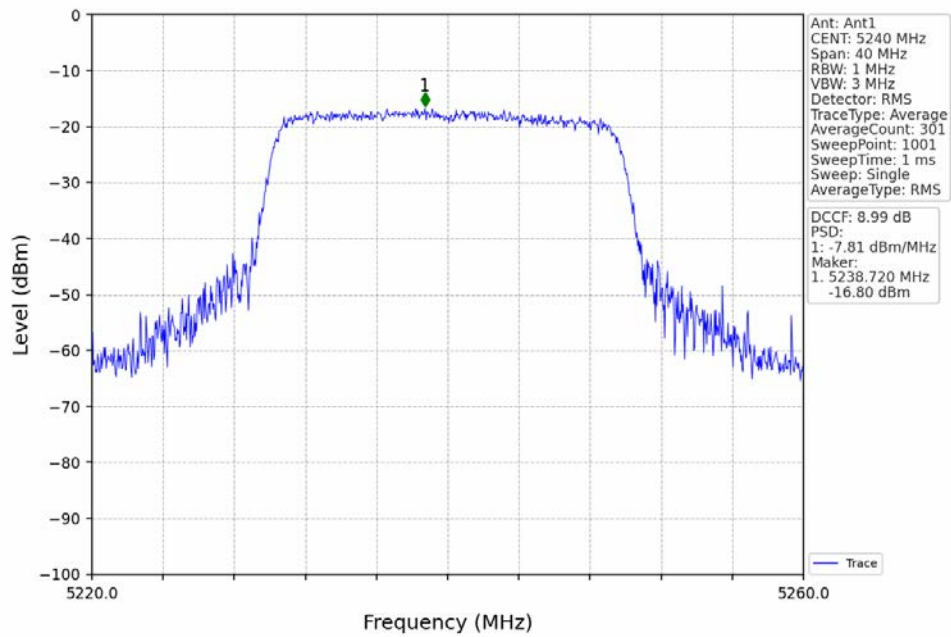
802.11ax(HEW20)_LCH_5180MHz_RU242_Left_Ant1_NTNV



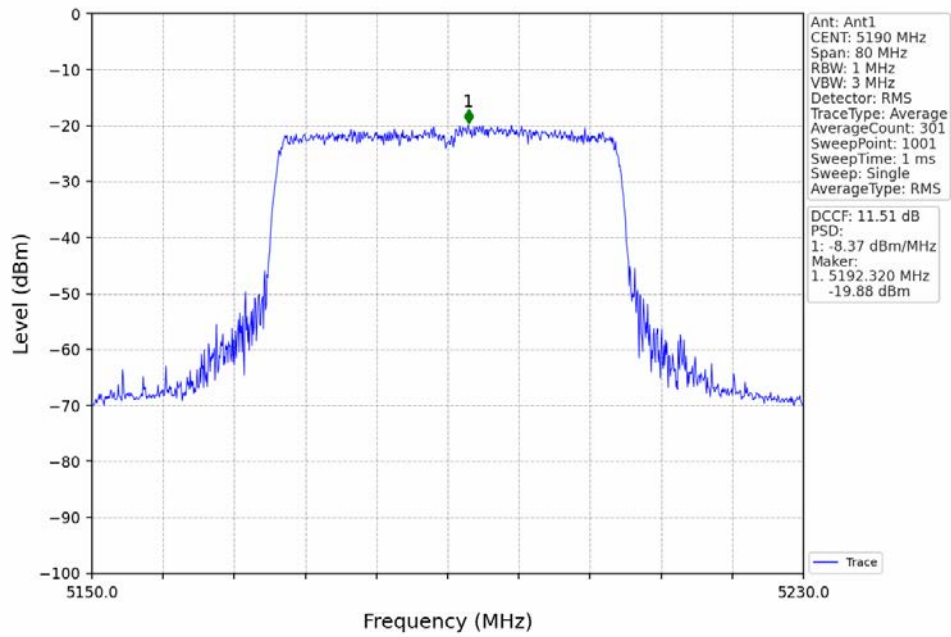
802.11ax(HEW20)_MCH_5200MHz_RU242_Left_Ant1_NTNV



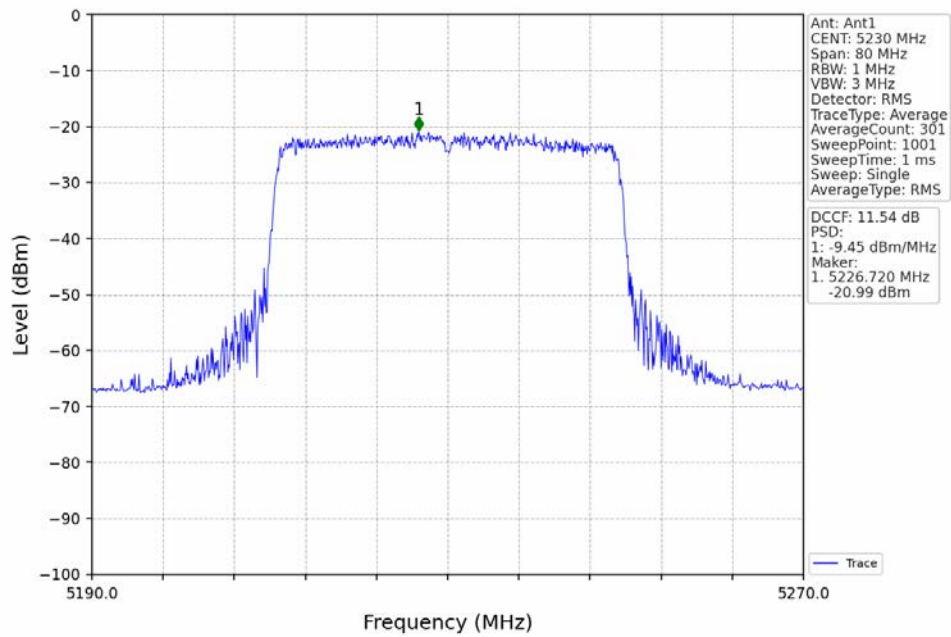
802.11ax(HEW20)_HCH_5240MHz_RU242_Left_Ant1_NTNV



802.11ax(HEW40)_LCH_5190MHz_RU484_Left_Ant1_NTNV



802.11ax(HEW40)_HCH_5230MHz_RU484_Left_Ant1_NTNV



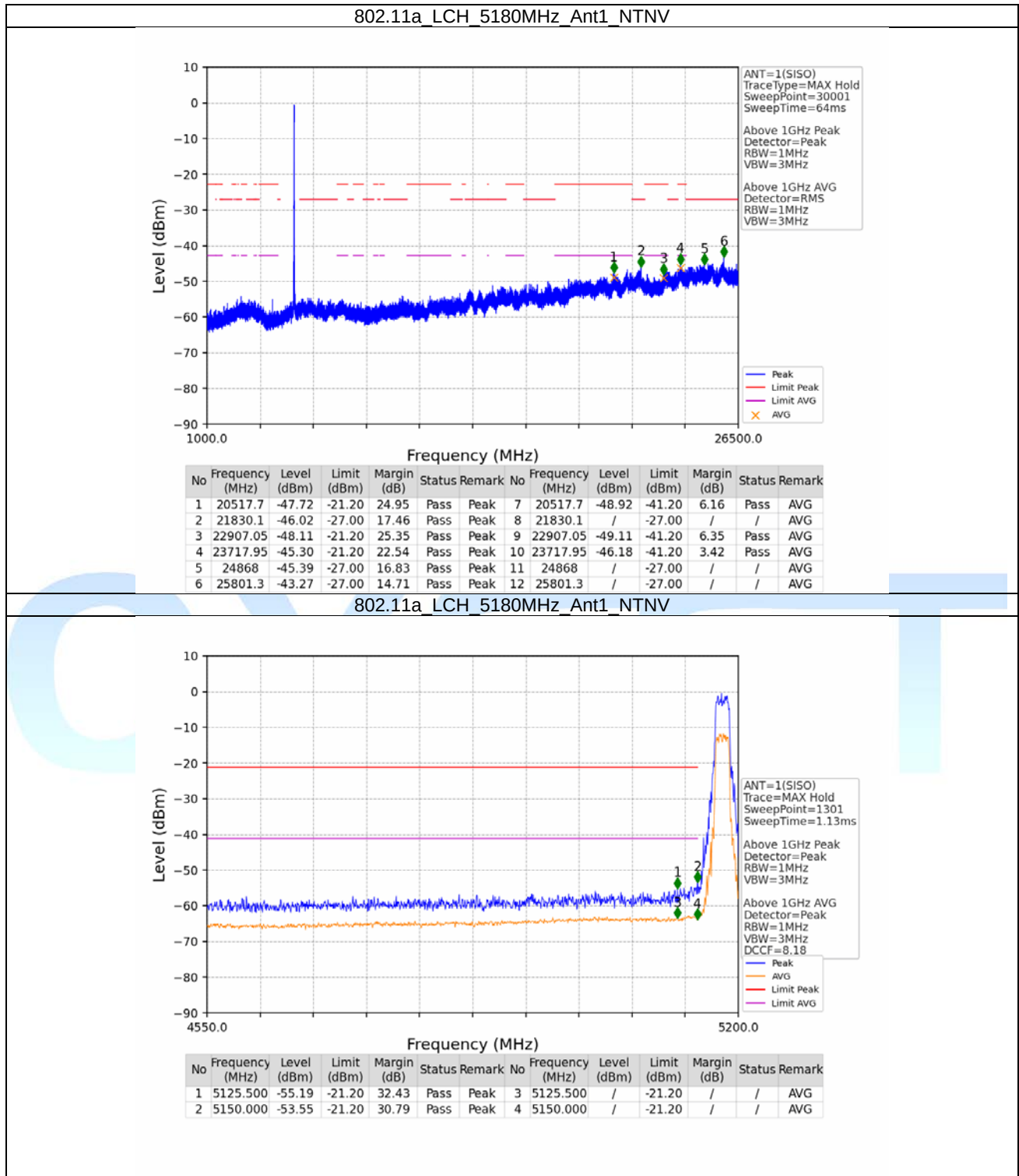
5. Unwanted Emissions In Restricted Frequency Bands

5.1 RSE

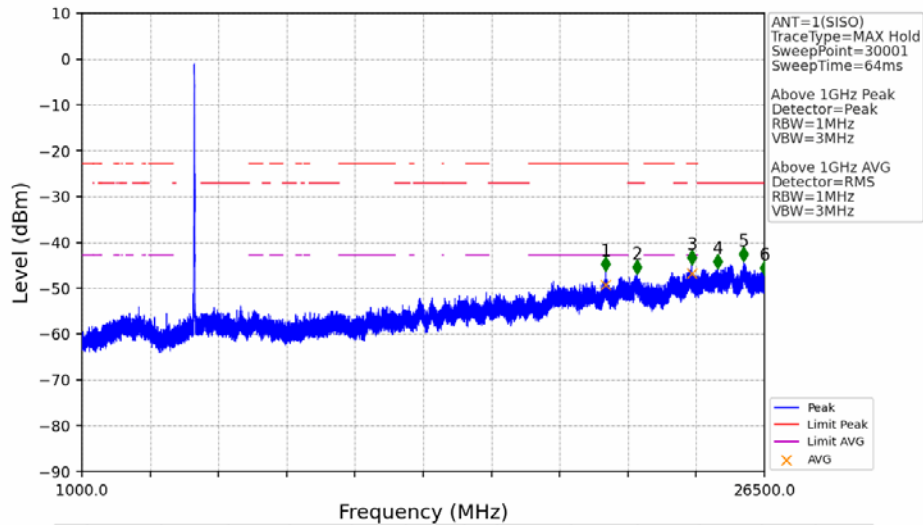
5.1.1 Test Result

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
802.11ax (HEW20)	SISO	5180	RU242	Left	1	Refer To Test Graph		Pass
		5200	RU242	Left	1	Refer To Test Graph		Pass
		5240	RU242	Left	1	Refer To Test Graph		Pass
802.11ax (HEW40)	SISO	5190	RU484	Left	1	Refer To Test Graph		Pass
		5230	RU484	Left	1	Refer To Test Graph		Pass

5.1.2 Test Graph

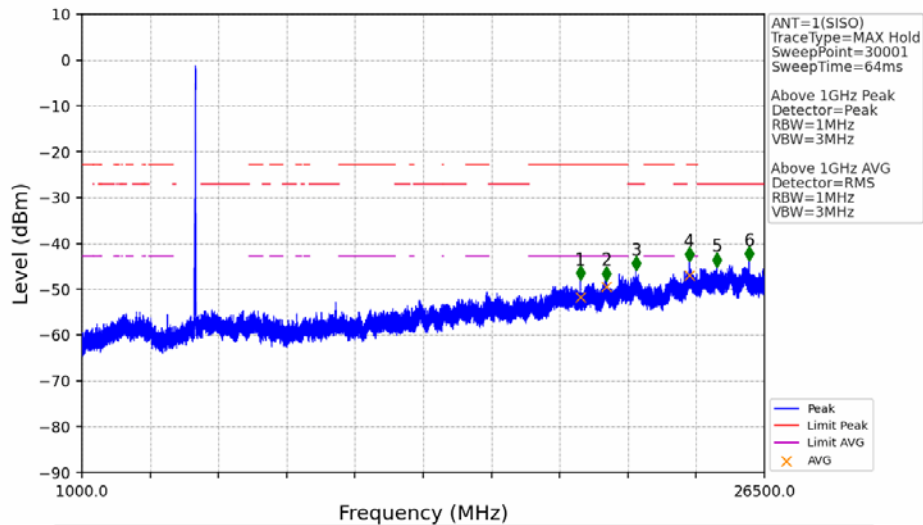


802.11a_MCH_5200MHz_Ant1_NTNV



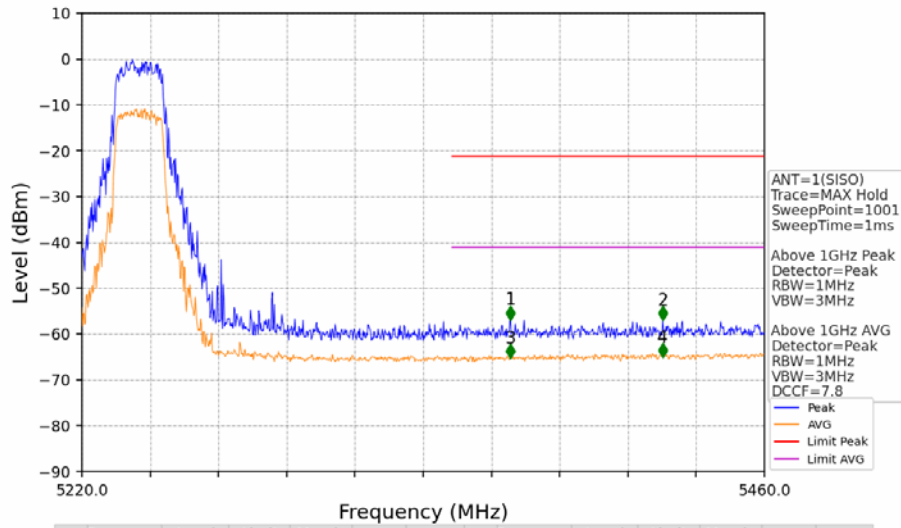
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	20572.1	-46.31	-21.20	23.55	Pass	Peak	7	20572.1	-49.34	-41.20	6.58	Pass	AVG
2	21745.1	-46.97	-27.00	18.41	Pass	Peak	8	21745.1	/	-27.00	/	/	AVG
3	23779.15	-44.86	-21.20	22.10	Pass	Peak	9	23779.15	-46.85	-41.20	4.09	Pass	AVG
4	24759.2	-45.77	-27.00	17.21	Pass	Peak	10	24759.2	/	-27.00	/	/	AVG
5	25729.9	-44.22	-27.00	15.66	Pass	Peak	11	25729.9	/	-27.00	/	/	AVG
6	26497.45	-47.11	-27.00	18.55	Pass	Peak	12	26497.45	/	-27.00	/	/	AVG

802.11a_HCH_5240MHz_Ant1_NTNV

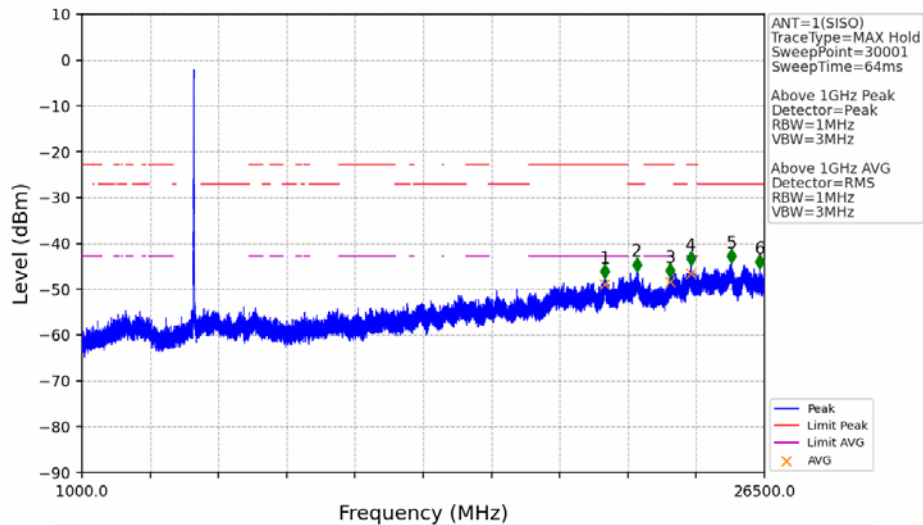


No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	19620.95	-47.99	-21.20	25.23	Pass	Peak	7	19620.95	-51.79	-41.20	9.03	Pass	AVG
2	20591.65	-48.13	-21.20	25.37	Pass	Peak	8	20591.65	-49.40	-41.20	6.64	Pass	AVG
3	21692.4	-45.92	-27.00	17.36	Pass	Peak	9	21692.4	/	-27.00	/	/	AVG
4	23699.25	-44.04	-21.20	21.28	Pass	Peak	10	23699.25	-46.99	-41.20	4.23	Pass	AVG
5	24726.9	-45.14	-27.00	16.58	Pass	Peak	11	24726.9	/	-27.00	/	/	AVG
6	25928.8	-43.78	-27.00	15.22	Pass	Peak	12	25928.8	/	-27.00	/	/	AVG

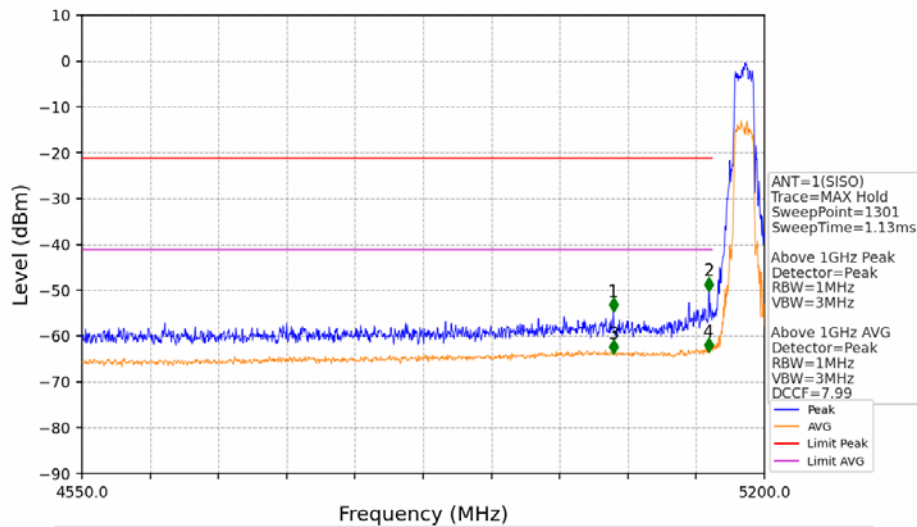
802.11a_HCH_5240MHz_Ant1_NTNV



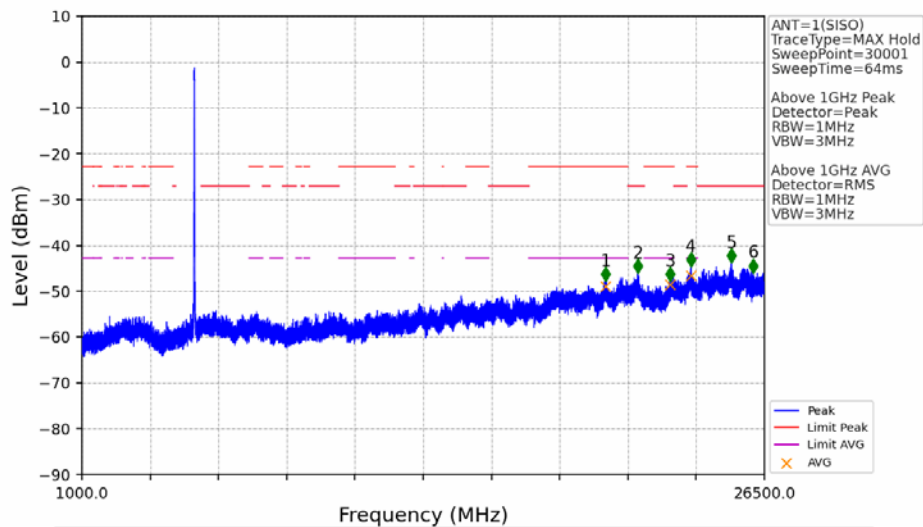
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



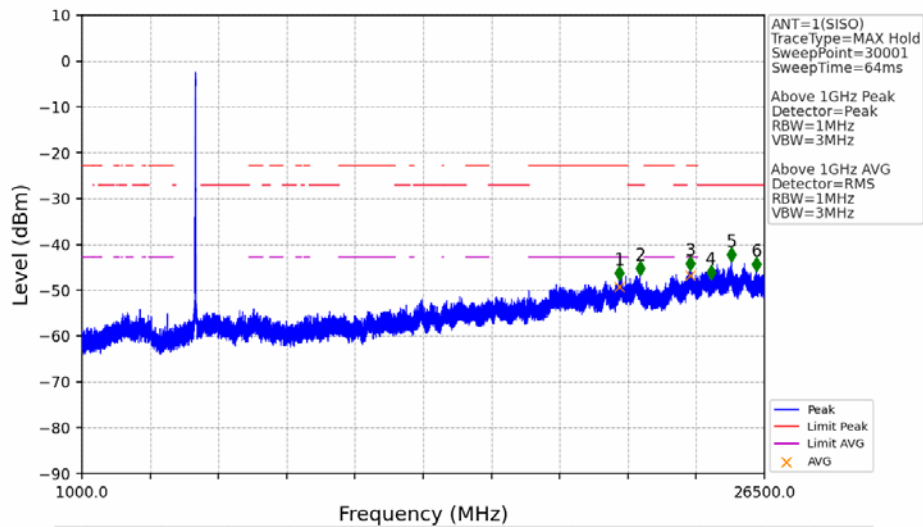
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



802.11n(HT20)_MCH_5200MHz_Ant1_NTNV

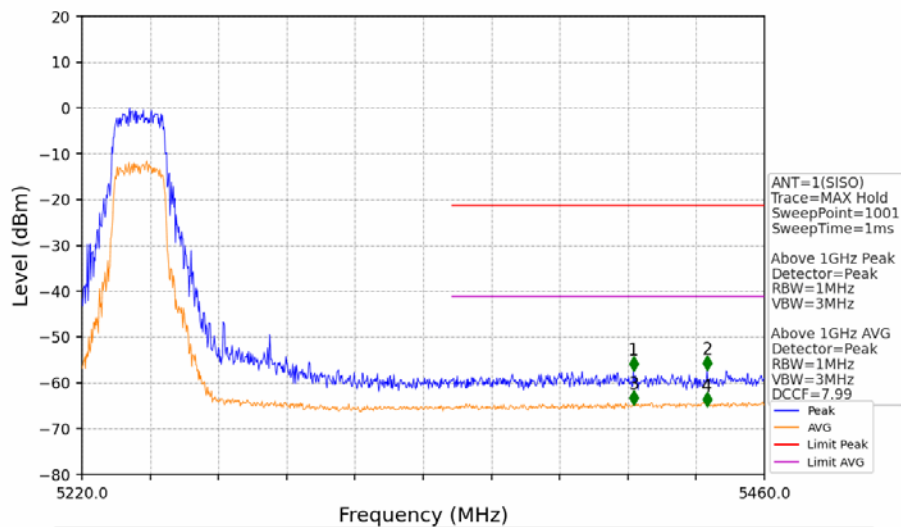


802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	21077	-47.88	-21.20	25.12	Pass	Peak	7	21077	-49.23	-41.20	6.47	Pass	AVG
2	21848.8	-46.76	-27.00	18.20	Pass	Peak	8	21848.8	/	-27.00	/	/	AVG
3	23734.1	-45.74	-21.20	22.98	Pass	Peak	9	23734.1	-46.84	-41.20	4.08	Pass	AVG
4	24502.5	-47.70	-27.00	19.14	Pass	Peak	10	24502.5	/	-27.00	/	/	AVG
5	25270.9	-43.77	-27.00	15.21	Pass	Peak	11	25270.9	/	-27.00	/	/	AVG
6	26195.7	-45.94	-27.00	17.38	Pass	Peak	12	26195.7	/	-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	5413.920	-57.36	-21.20	34.60	Pass	Peak	3	5413.920	/	-21.20	/	/	AVG
2	5439.840	-57.18	-21.20	34.42	Pass	Peak	4	5439.840	/	-21.20	/	/	AVG