



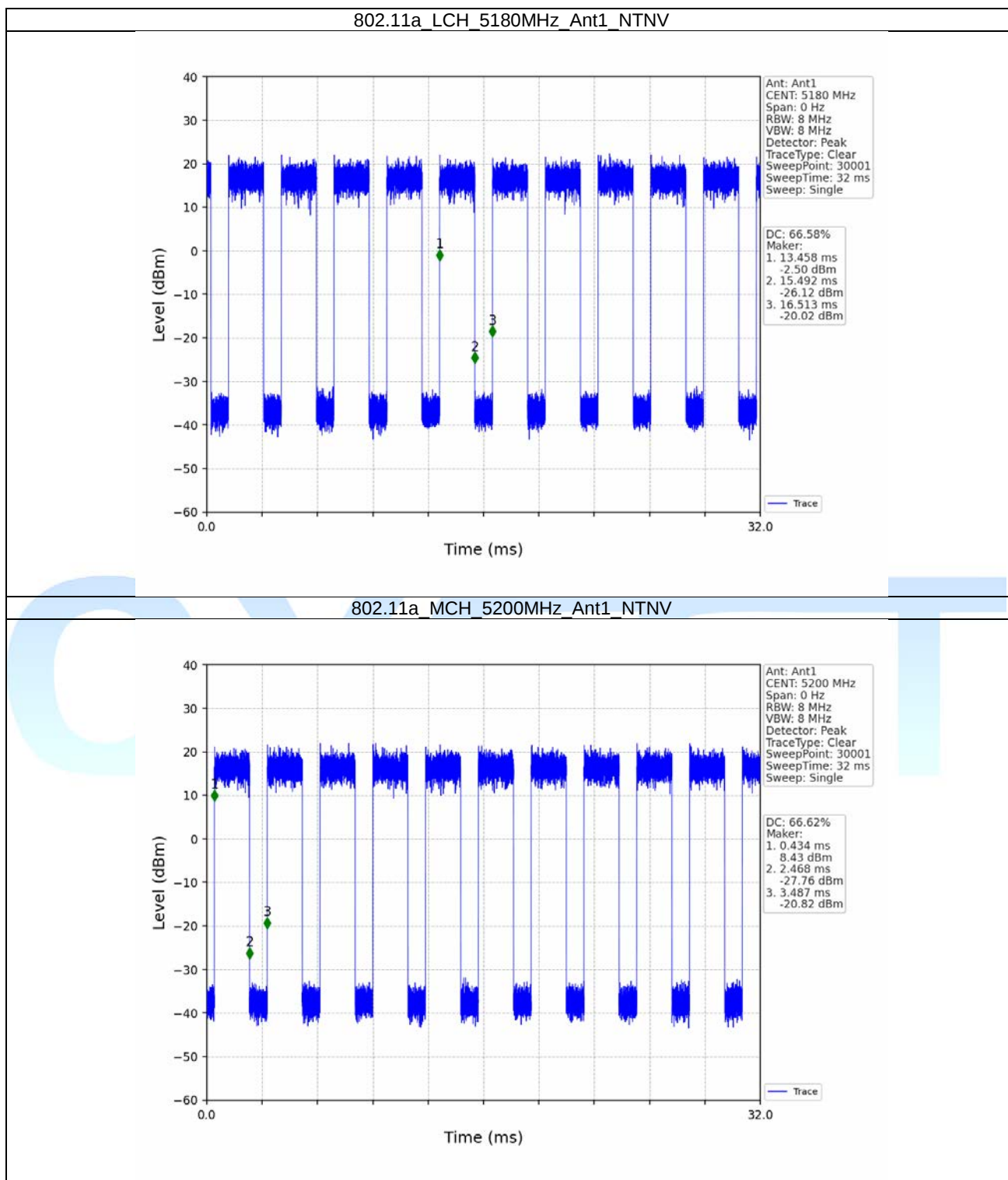
1. Duty Cycle

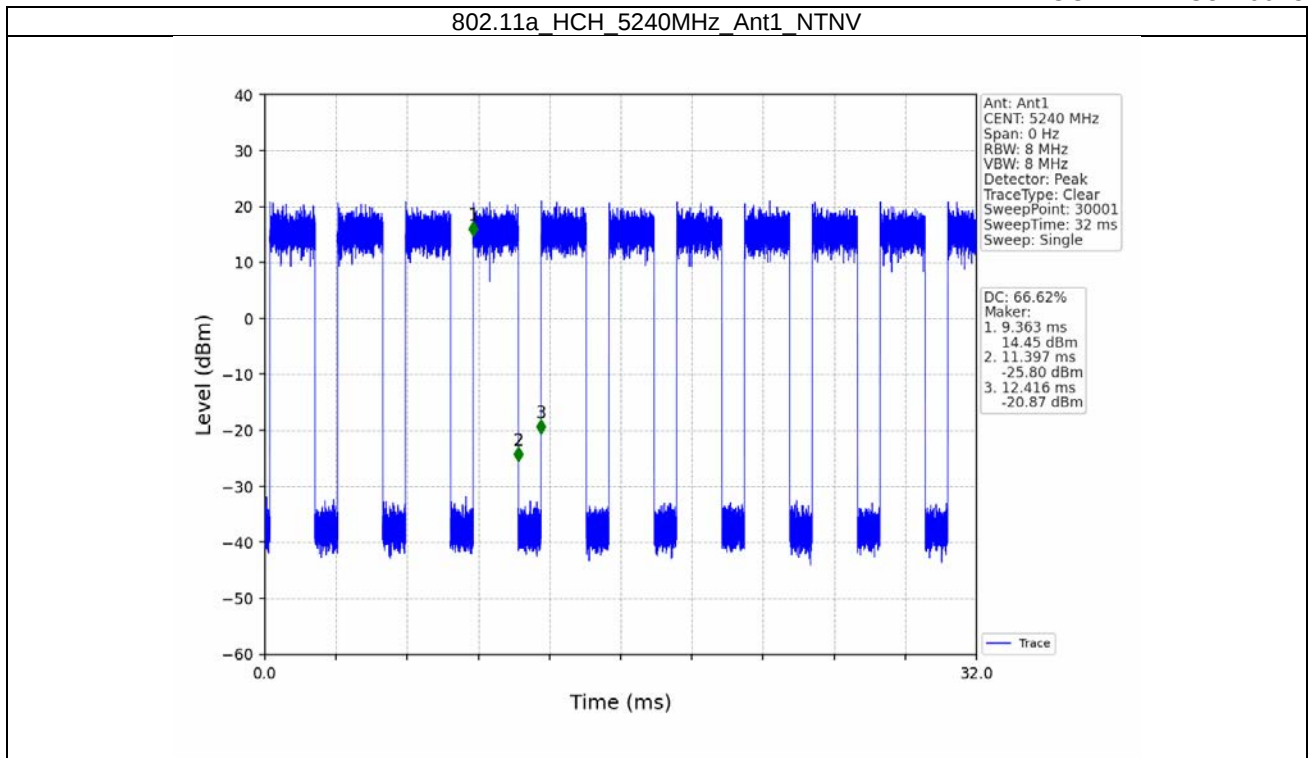
1.1 Ant1

1.1.1 Test Result

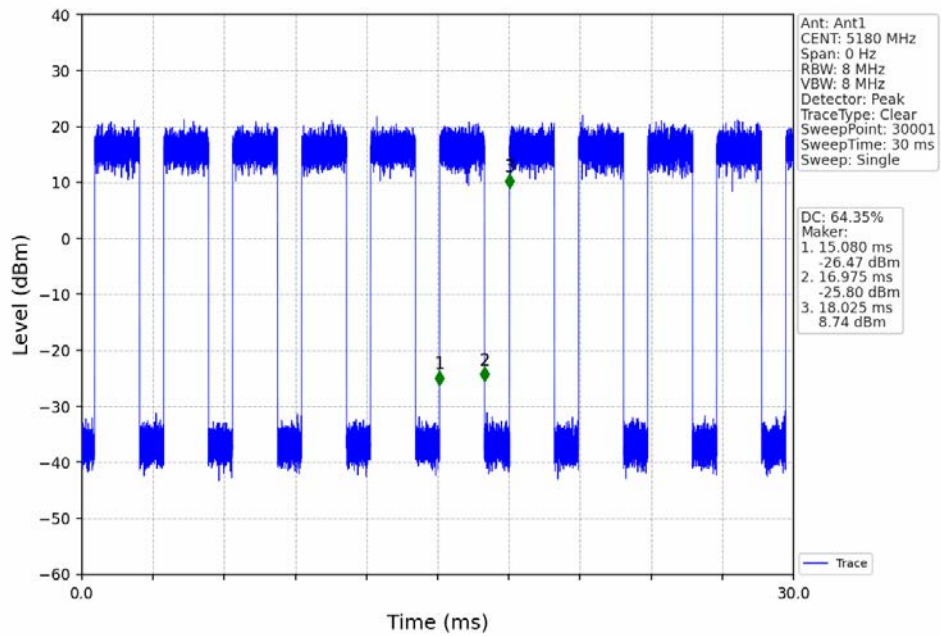
Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11a	SISO	5180	2.034	3.055	66.58	1.77	0.16
		5200	2.034	3.053	66.62	1.76	0.06
		5240	2.034	3.053	66.62	1.76	0.13
802.11n (HT20)	SISO	5180	1.895	2.945	64.35	1.91	0.80
		5200	1.894	2.914	65.00	1.87	0.11
		5240	1.895	2.913	65.05	1.87	0.10
802.11n (HT40)	SISO	5190	0.933	1.955	47.72	3.21	0.20
		5230	0.934	1.954	47.80	3.21	0.18
802.11ac (VHT20)	SISO	5180	1.903	2.924	65.08	1.87	0.07
		5200	1.902	2.997	63.46	1.97	1.72
		5240	1.903	2.924	65.08	1.87	0.13
802.11ac (VHT40)	SISO	5190	0.938	1.956	47.96	3.19	0.12
		5230	0.938	1.956	47.96	3.19	0.08

1.1.2 Test Graph

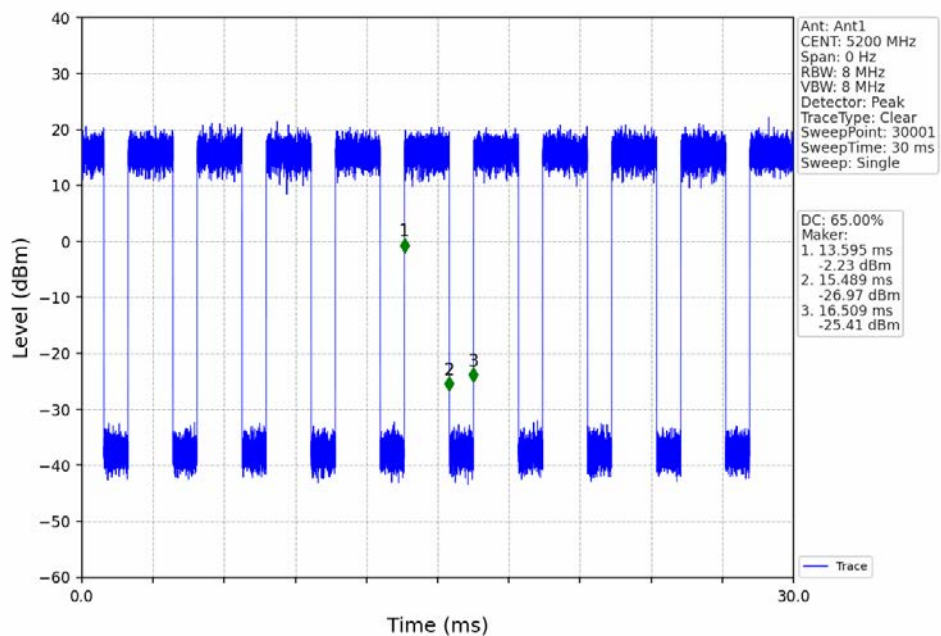




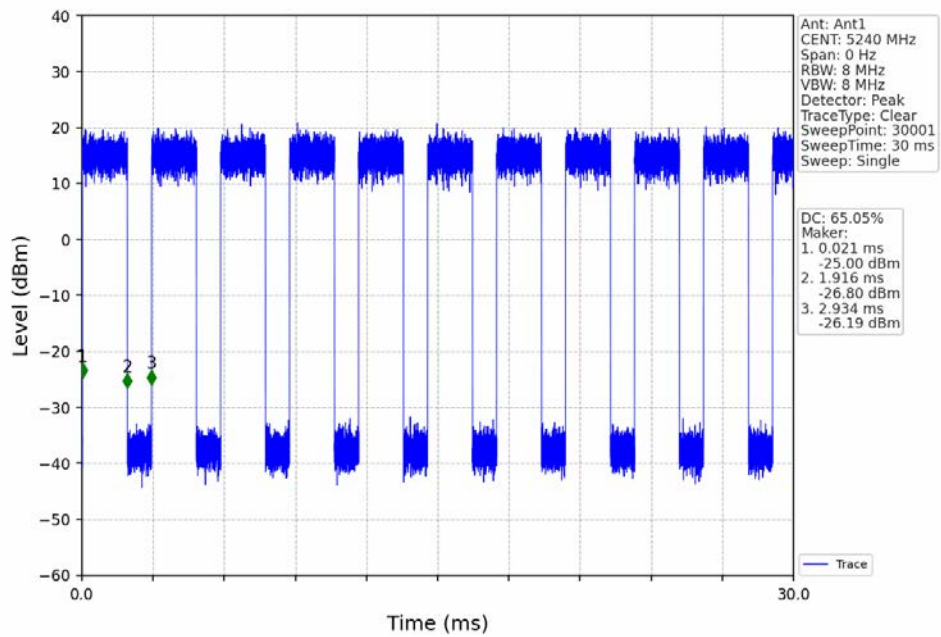
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



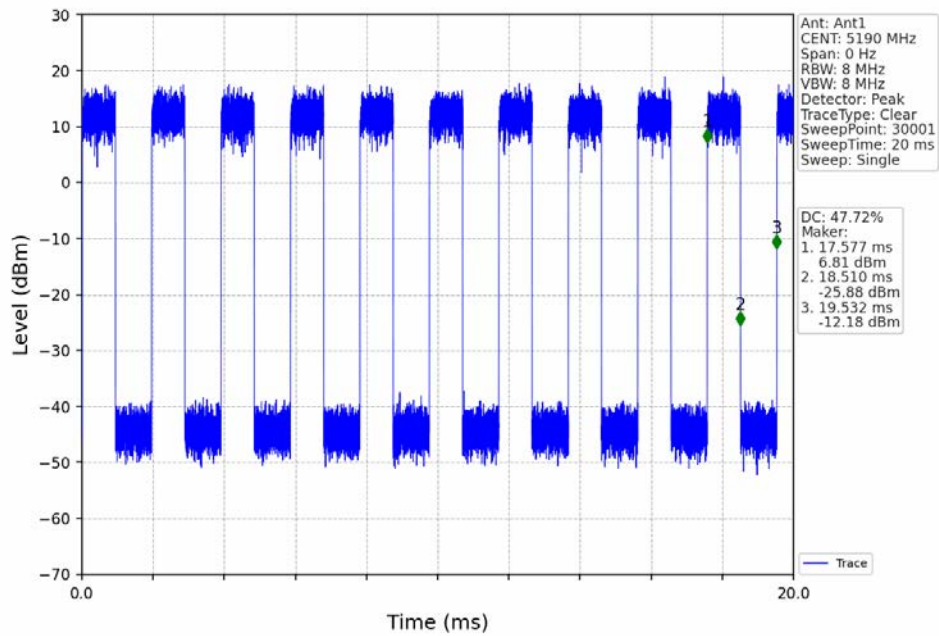
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



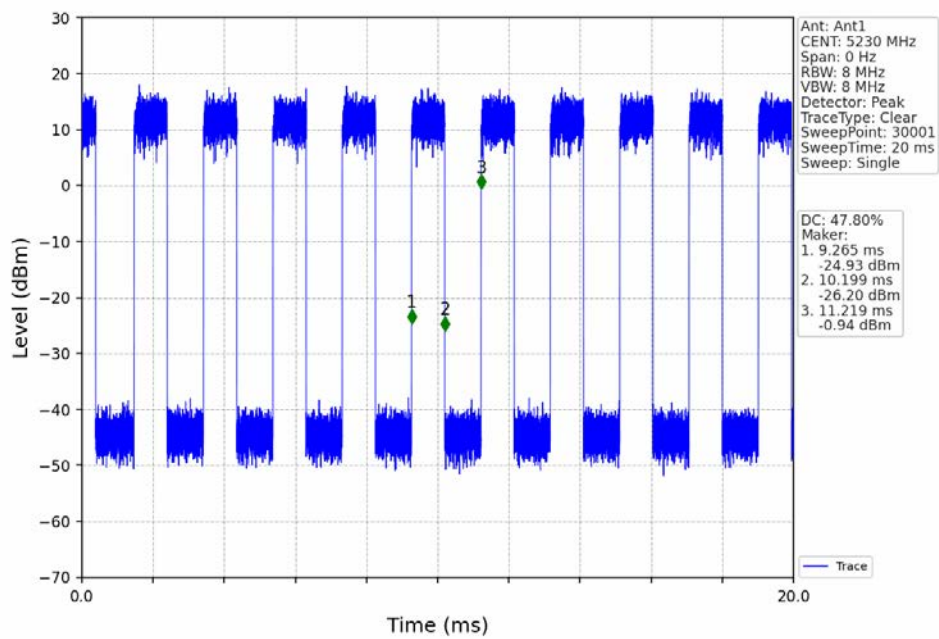
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



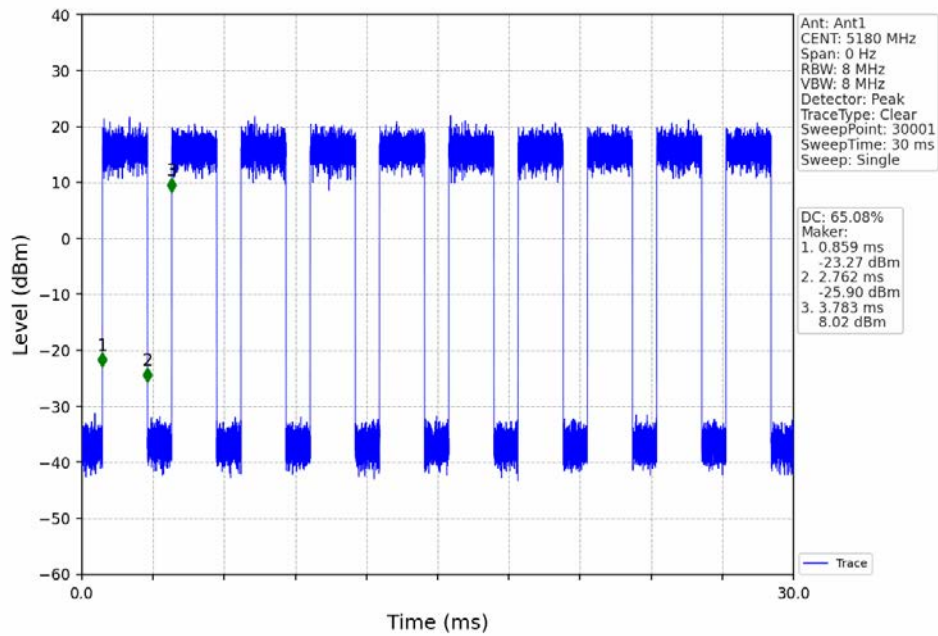
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



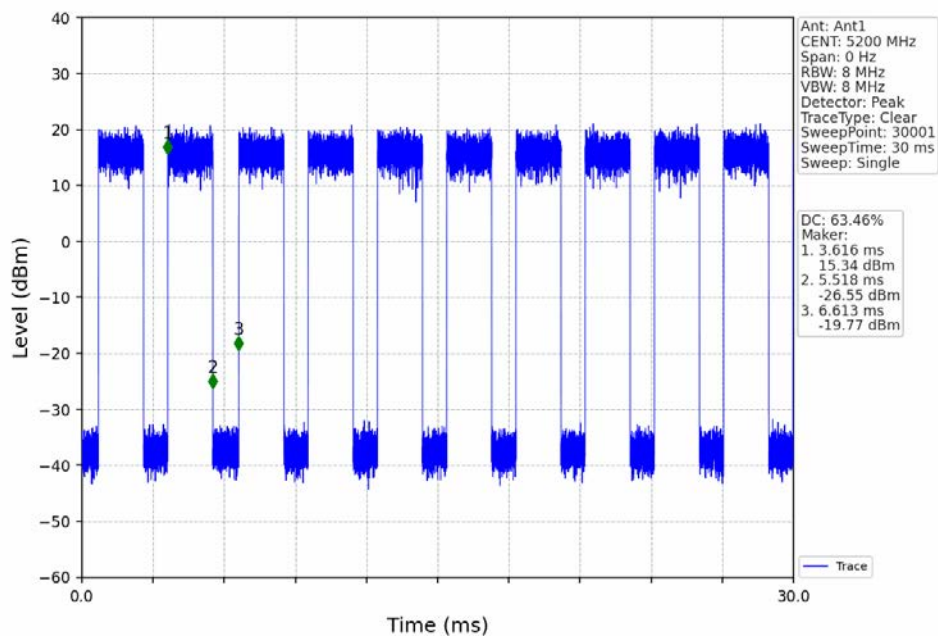
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



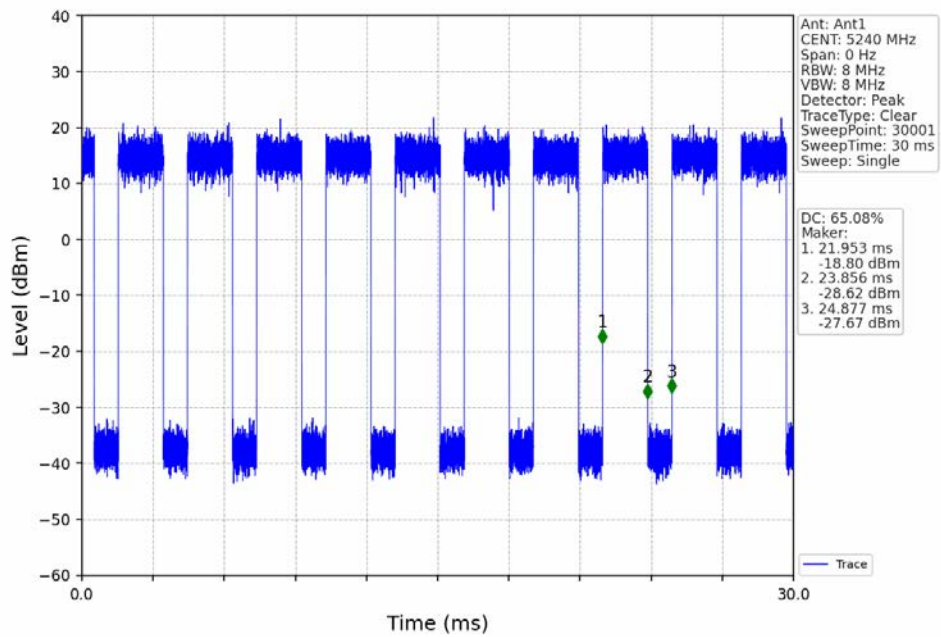
802.11ac(VHT20) LCH 5180MHz Ant1 NTN



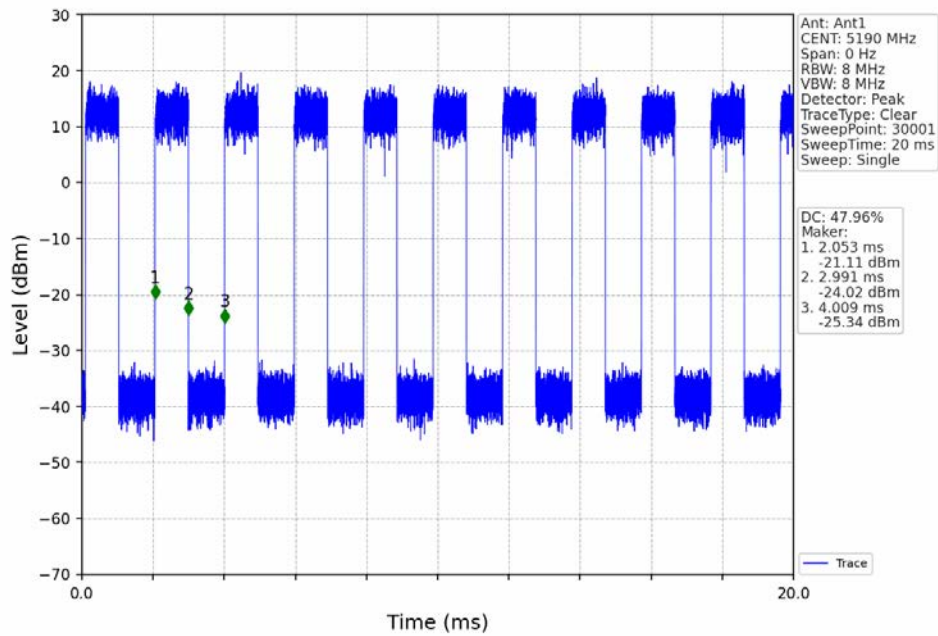
802.11ac(VHT20) MCH 5200MHz Ant1 NTN



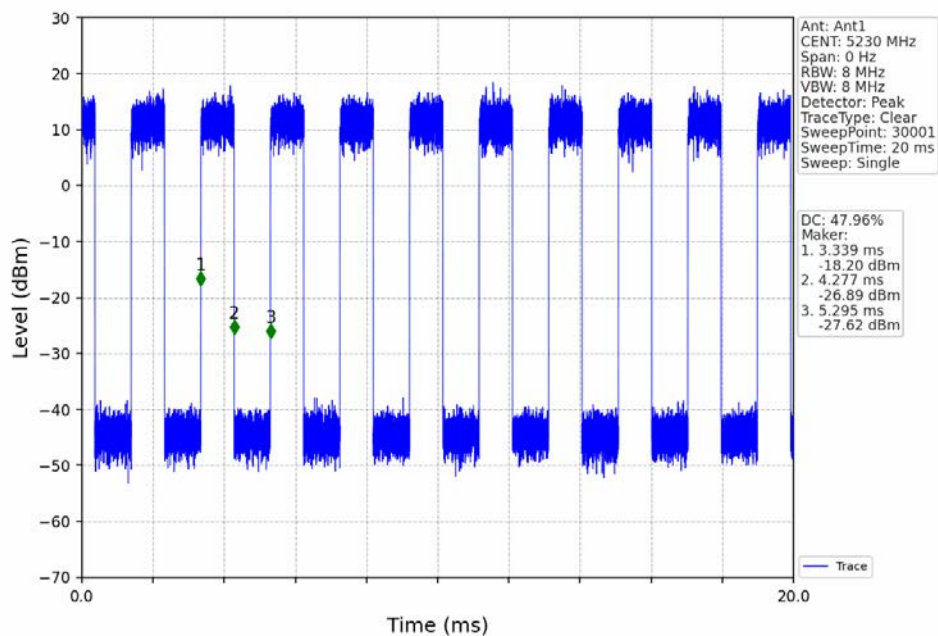
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



802.11ac(VHT40) LCH 5190MHz Ant1 NTN



802.11ac(VHT40) HCH 5230MHz Ant1 NTN



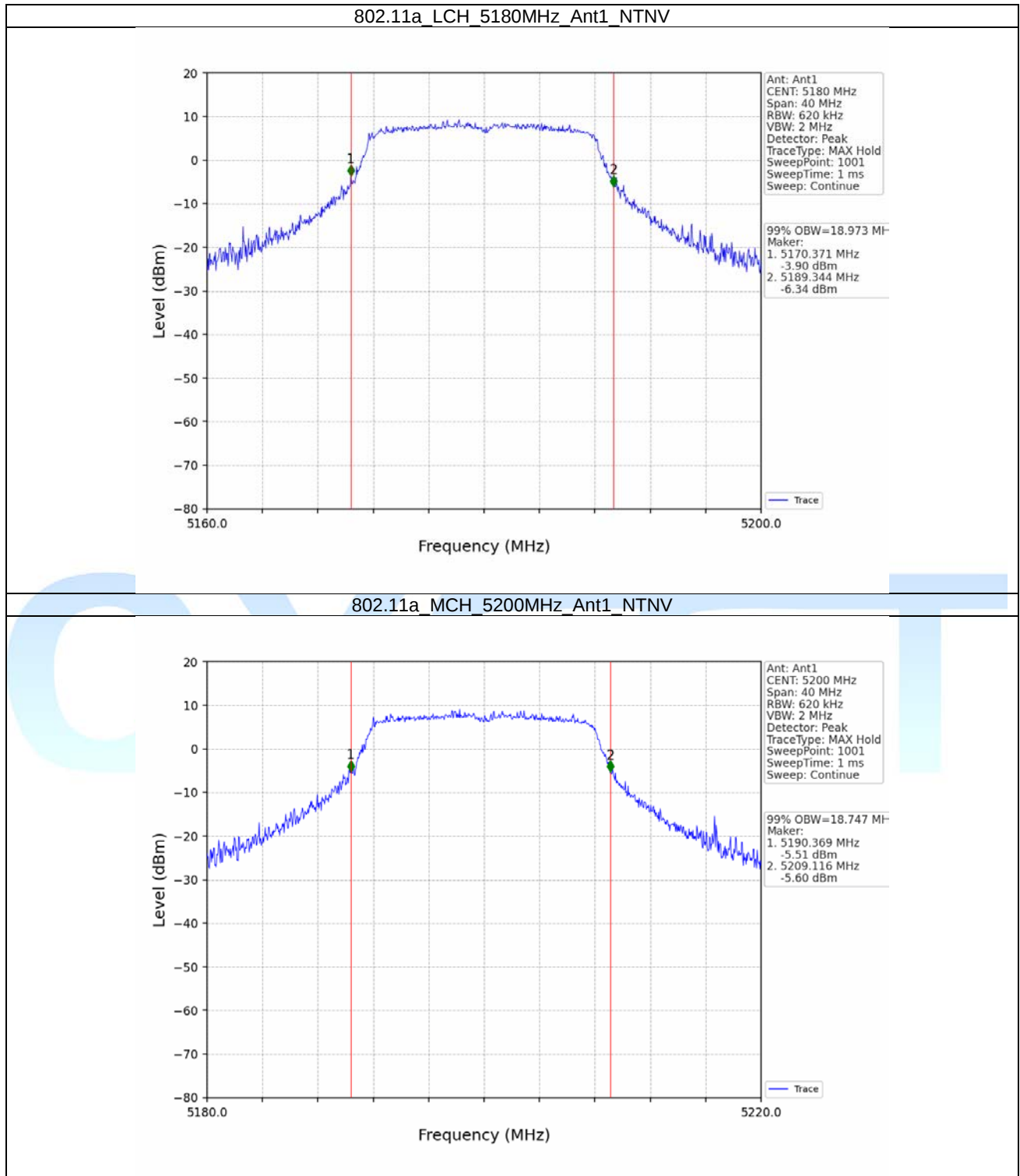
2. Bandwidth

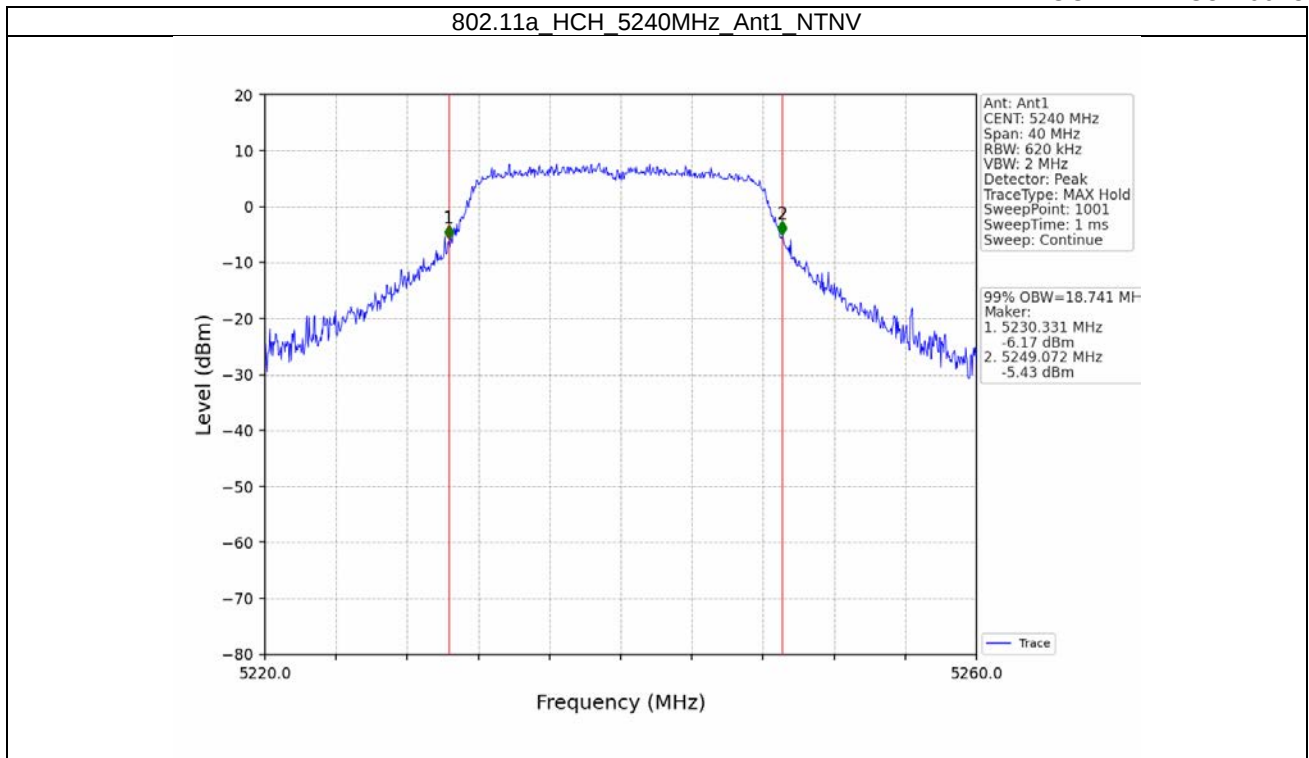
2.1 OBW

2.1.1 Test Result

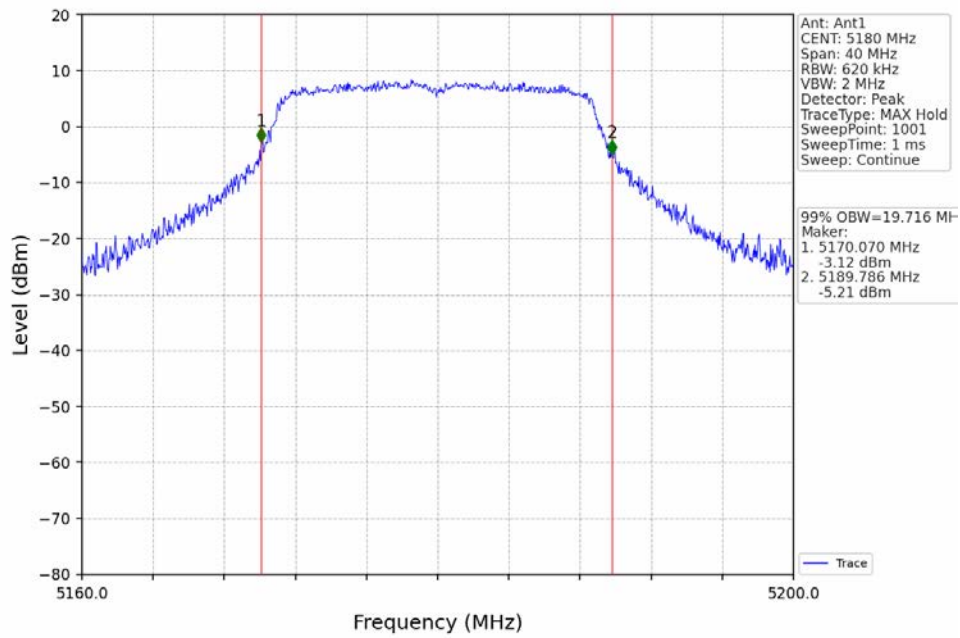
Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5180	1	18.973	/	Pass
		5200	1	18.747	/	Pass
		5240	1	18.741	/	Pass
802.11n (HT20)	SISO	5180	1	19.716	/	Pass
		5200	1	19.625	/	Pass
		5240	1	19.692	/	Pass
802.11n (HT40)	SISO	5190	1	37.858	/	Pass
		5230	1	37.782	/	Pass
802.11ac (VHT20)	SISO	5180	1	19.653	/	Pass
		5200	1	19.810	/	Pass
		5240	1	19.794	/	Pass
802.11ac (VHT40)	SISO	5190	1	37.833	/	Pass
		5230	1	37.879	/	Pass

2.1.2 Test Graph

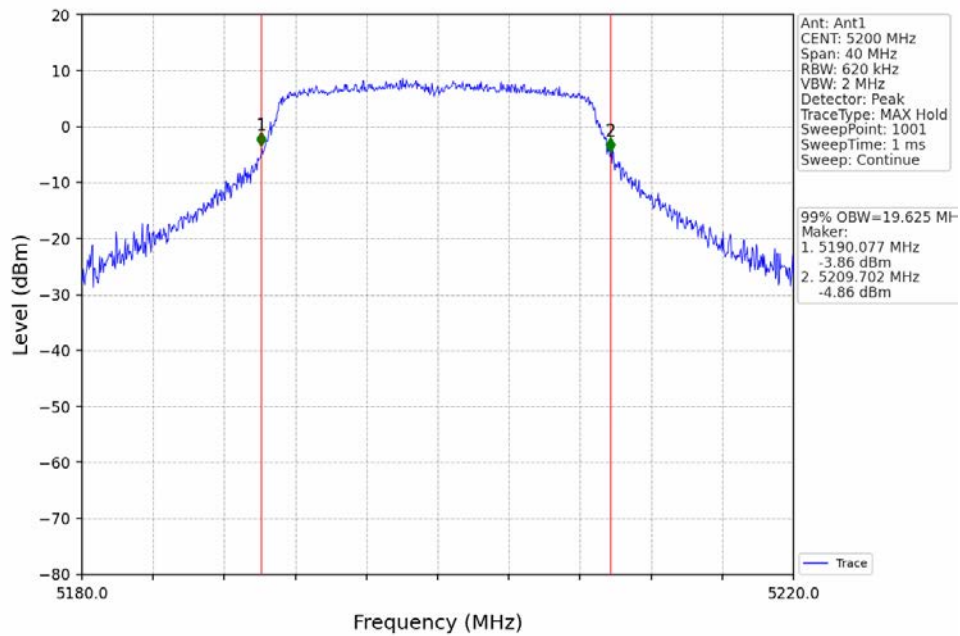


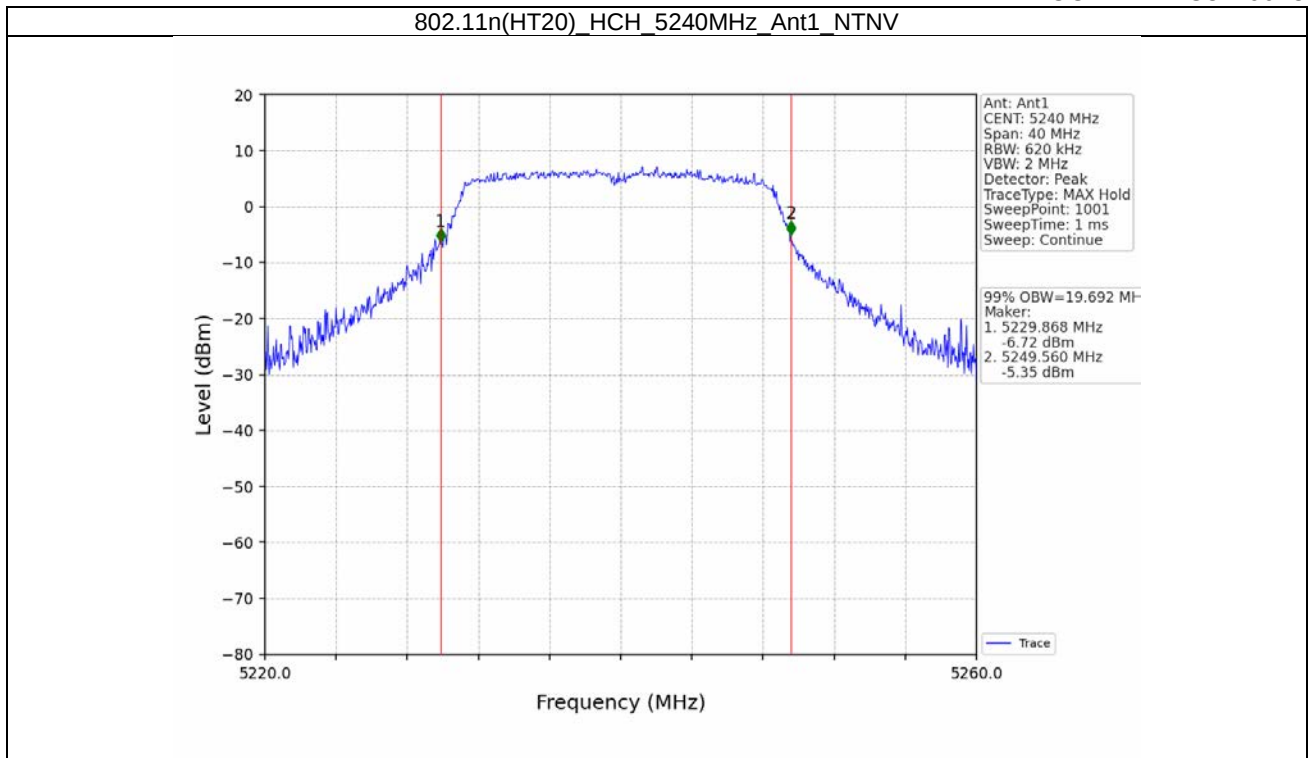


802.11n(HT20)_LCH_5180MHz_Ant1_NTNV

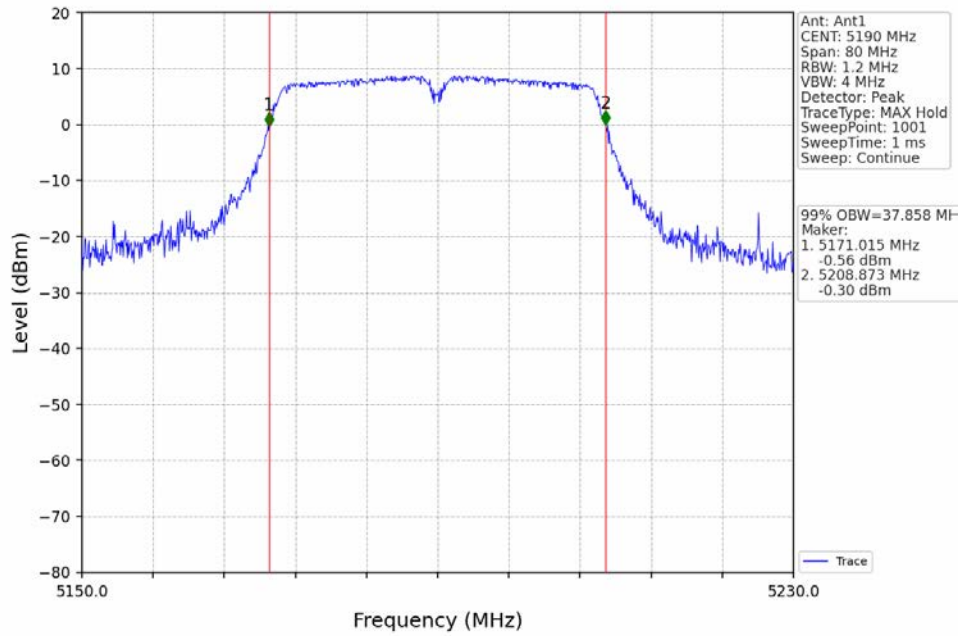


802.11n(HT20)_MCH_5200MHz_Ant1_NTNV

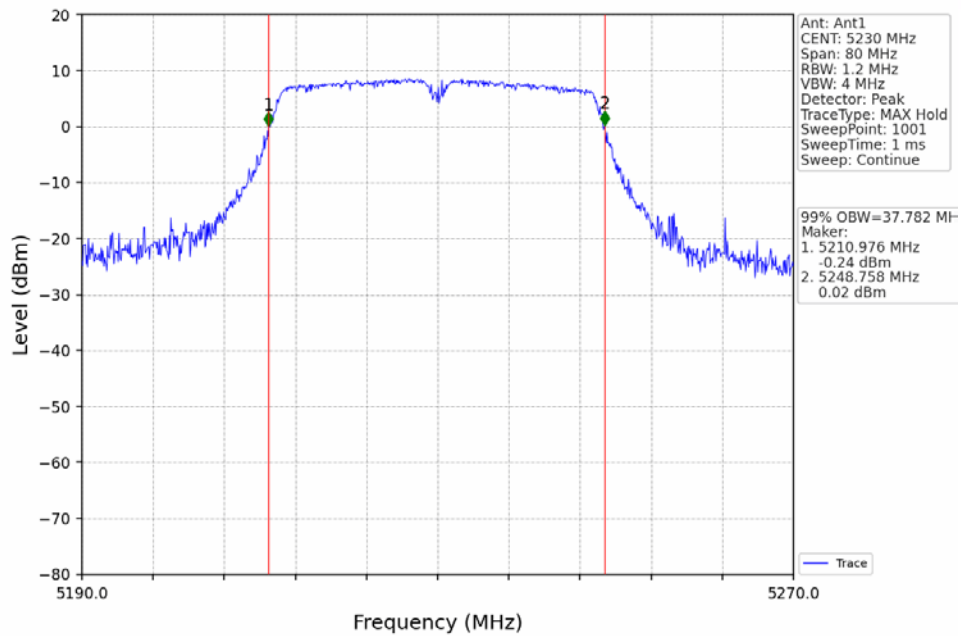




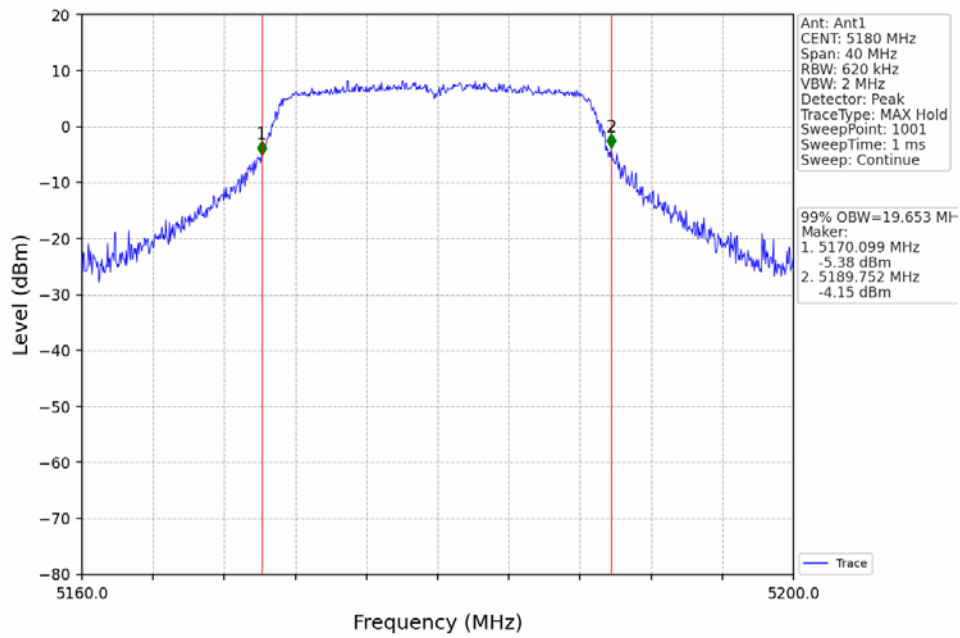
802.11n(HT40) LCH 5190MHz_Ant1_NTNV



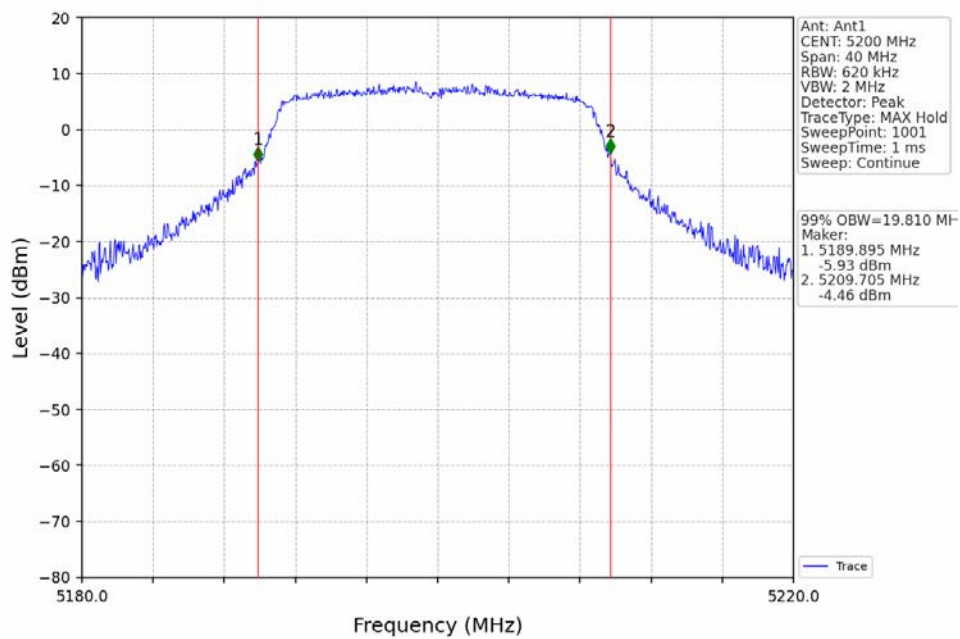
802.11n(HT40) HCH 5230MHz_Ant1_NTNV

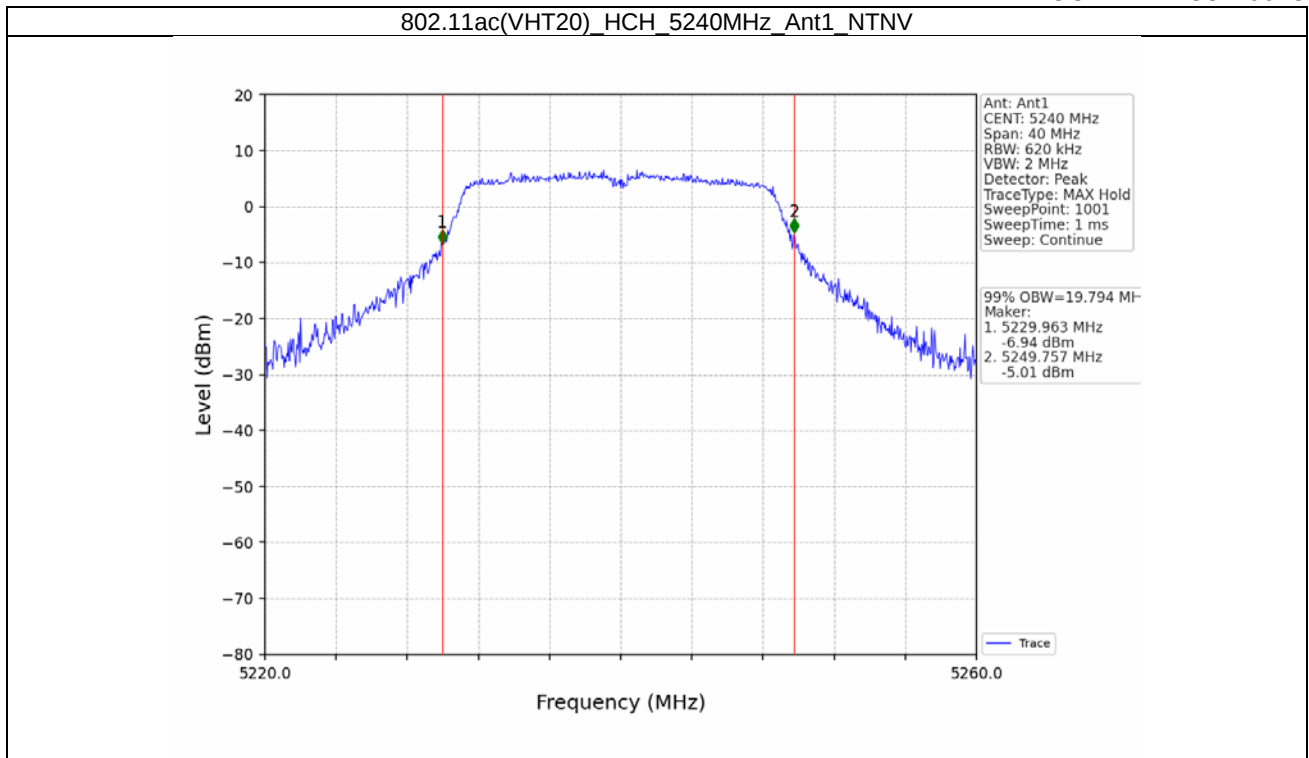


802.11ac(VHT20) LCH 5180MHz Ant1 NTN

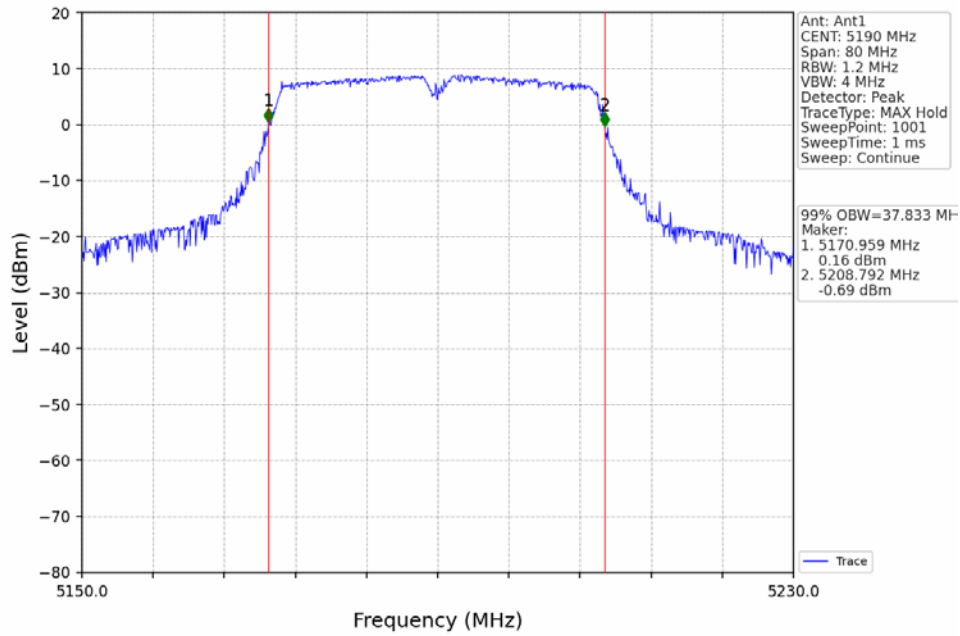


802.11ac(VHT20) MCH 5200MHz Ant1 NTN

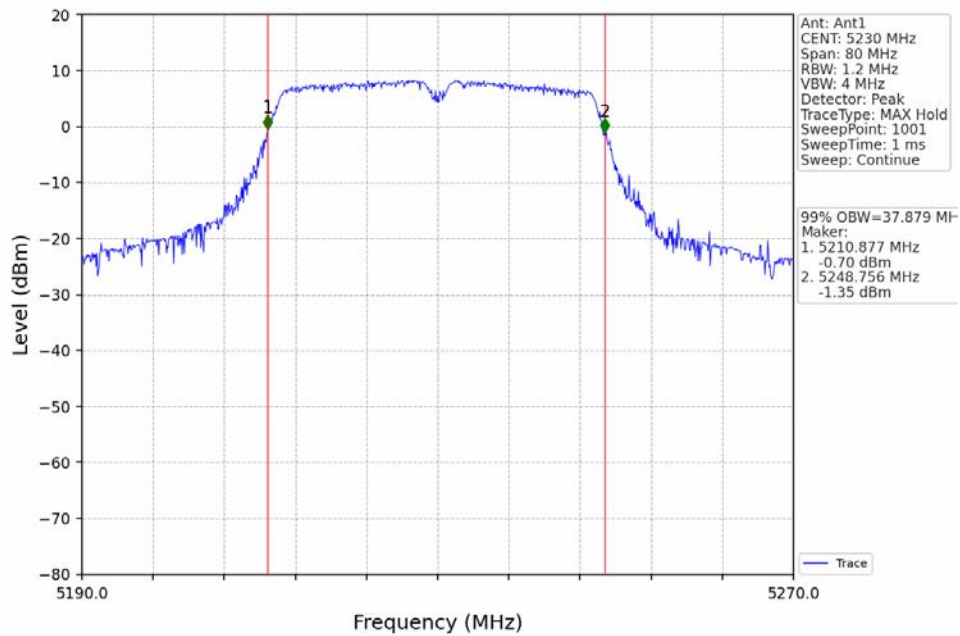




802.11ac(VHT40) LCH 5190MHz Ant1 NTN



802.11ac(VHT40) HCH 5230MHz Ant1 NTN

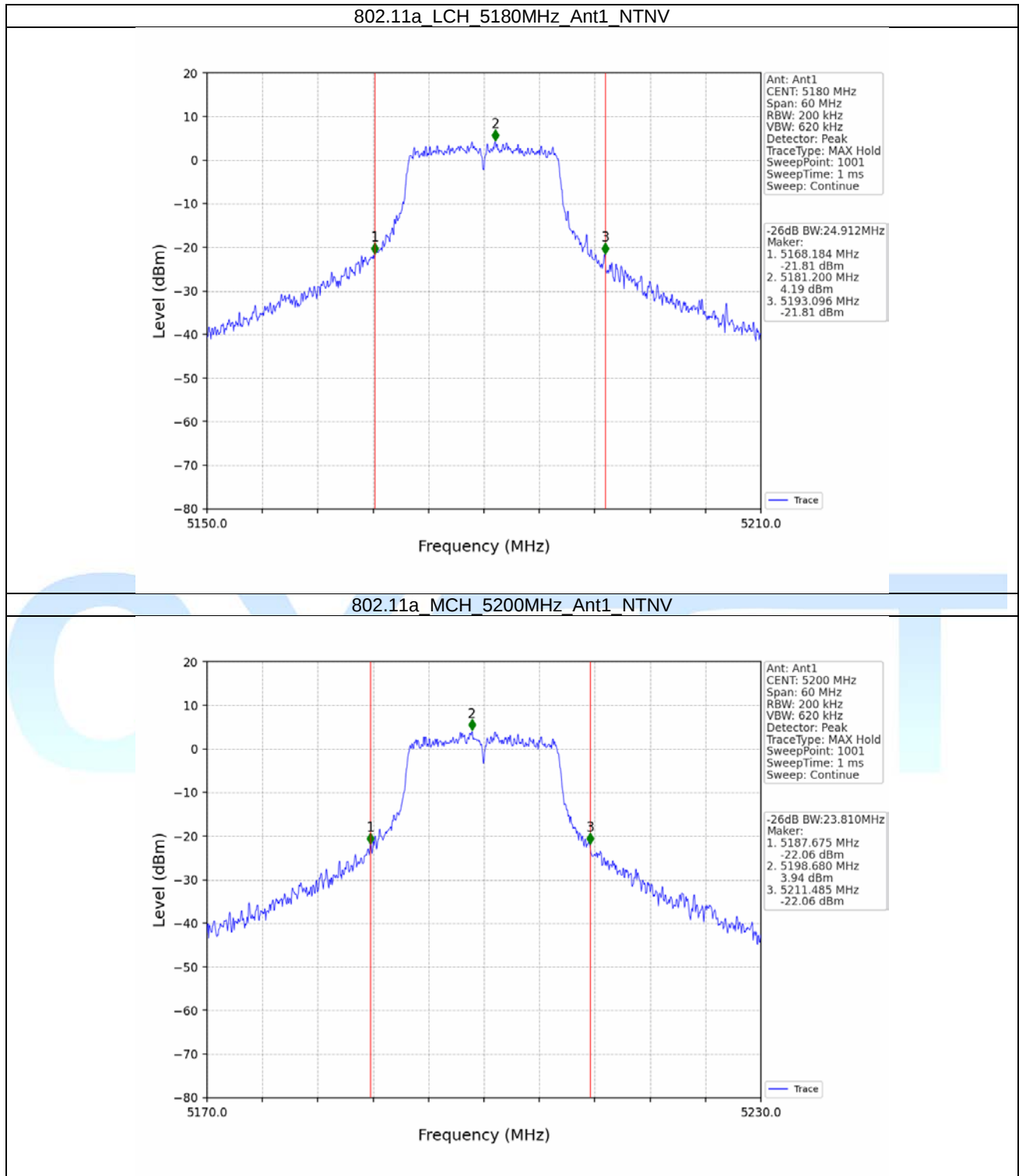


2.3 26dB BW

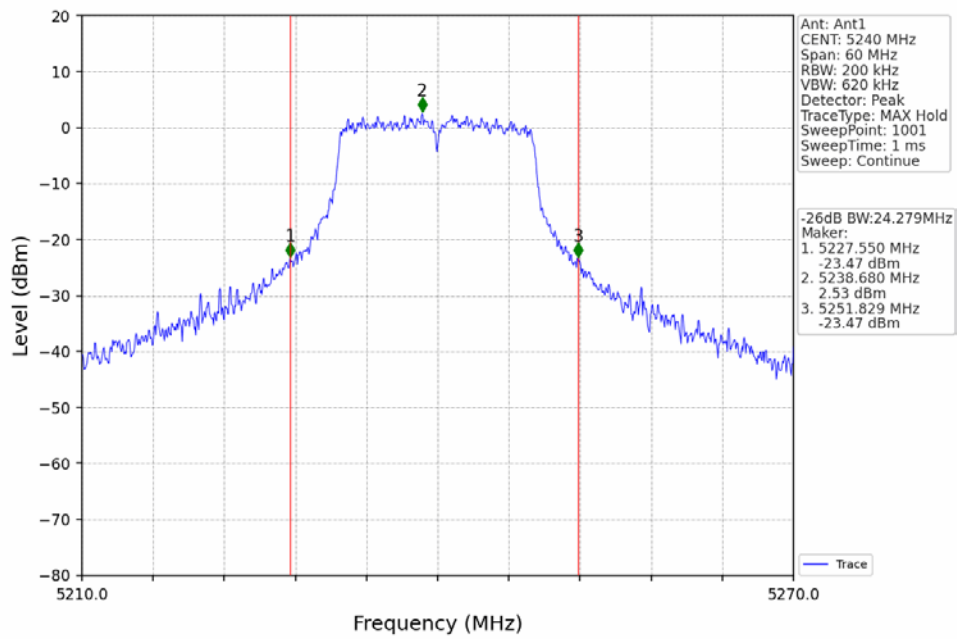
2.3.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	26dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5180	1	24.912	/	Pass
		5200	1	23.810	/	Pass
		5240	1	24.279	/	Pass
802.11n (HT20)	SISO	5180	1	24.604	/	Pass
		5200	1	24.278	/	Pass
		5240	1	25.500	/	Pass
802.11n (HT40)	SISO	5190	1	45.684	/	Pass
		5230	1	46.519	/	Pass
802.11ac (VHT20)	SISO	5180	1	25.096	/	Pass
		5200	1	24.292	/	Pass
		5240	1	24.244	/	Pass
802.11ac (VHT40)	SISO	5190	1	45.760	/	Pass
		5230	1	46.243	/	Pass

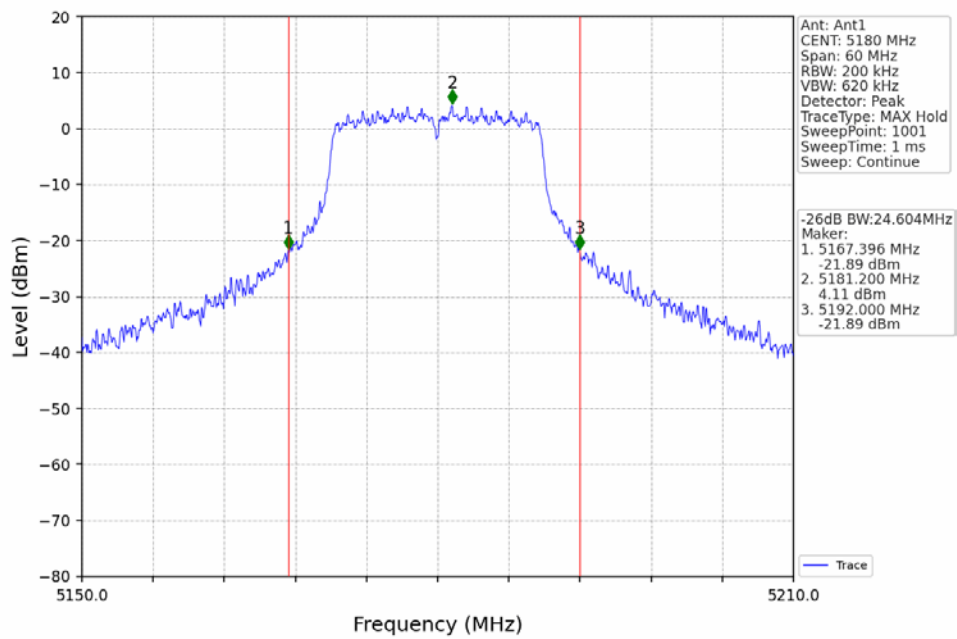
2.3.2 Test Graph



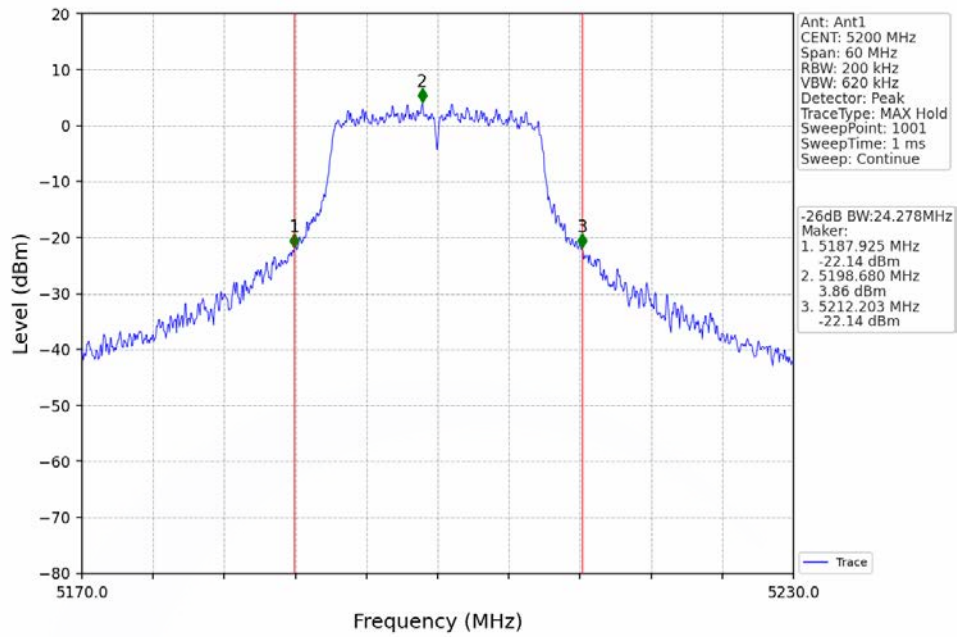
802.11a_HCH_5240MHz_Ant1_NTNV



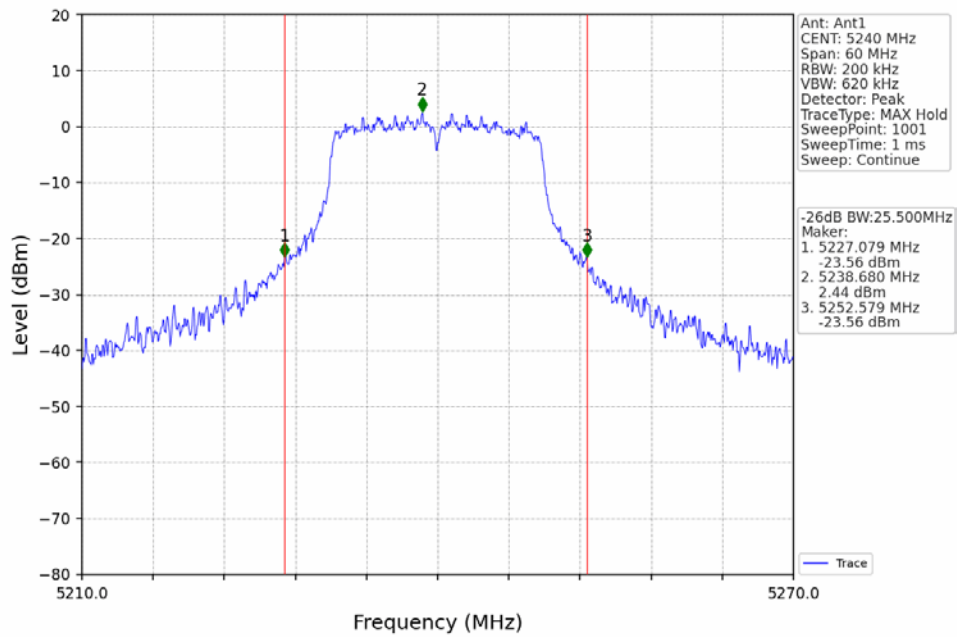
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



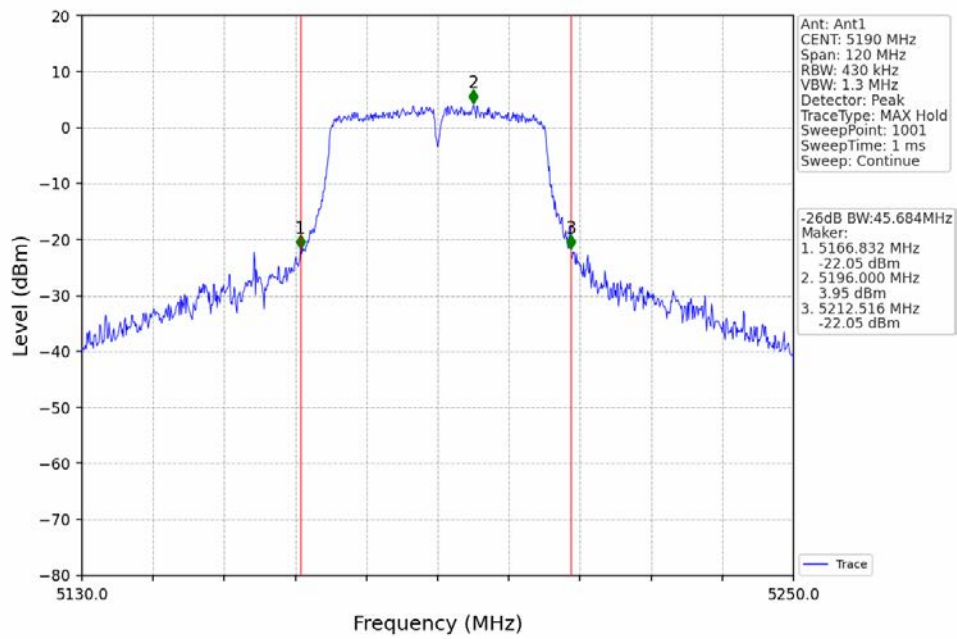
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



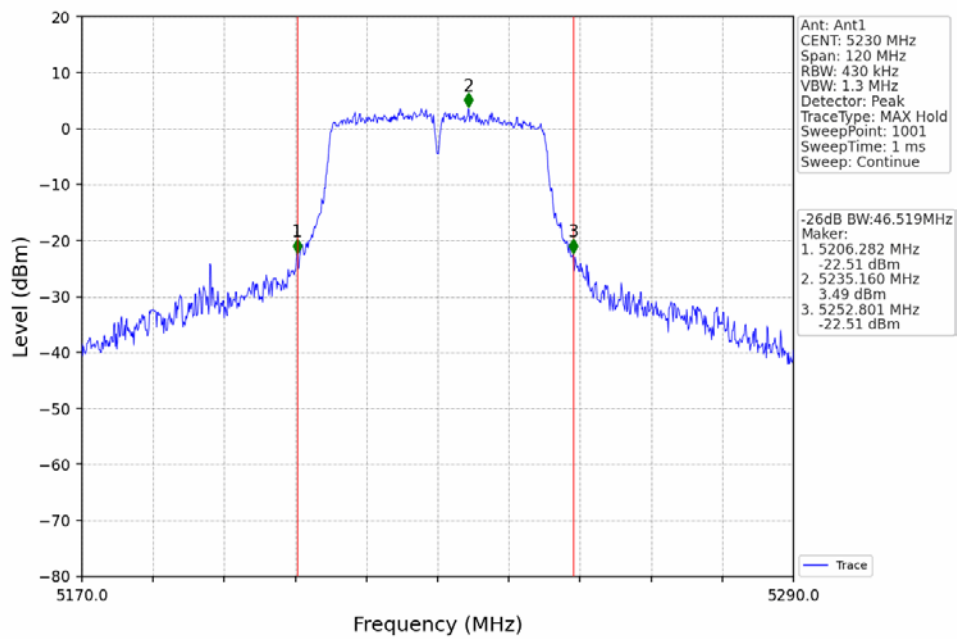
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



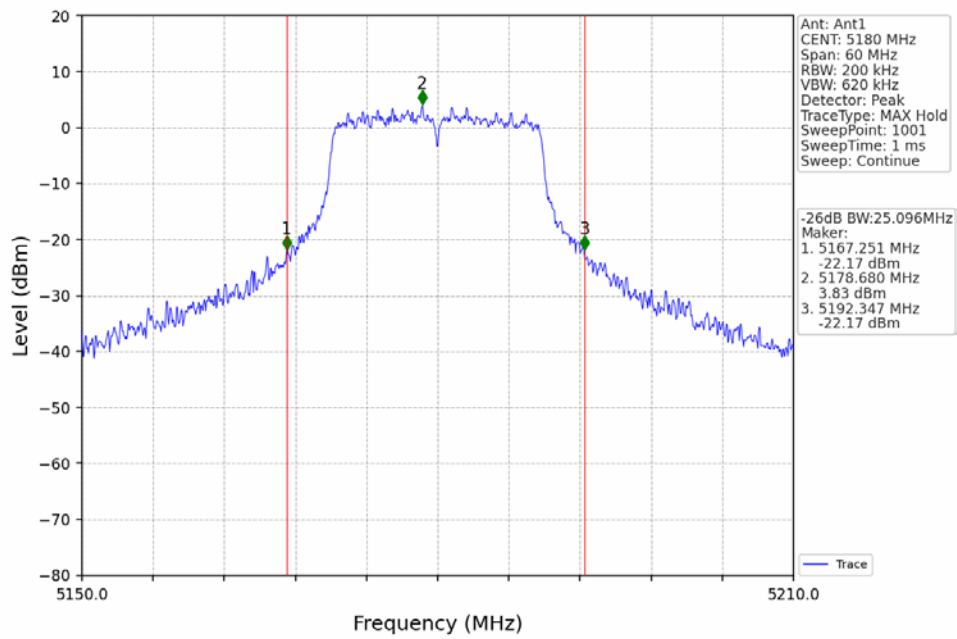
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



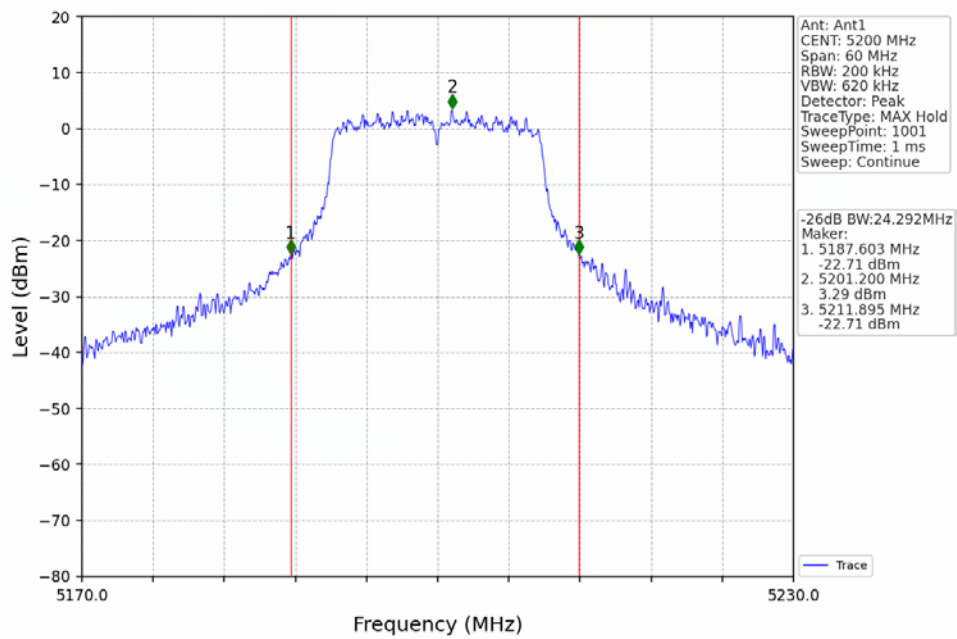
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



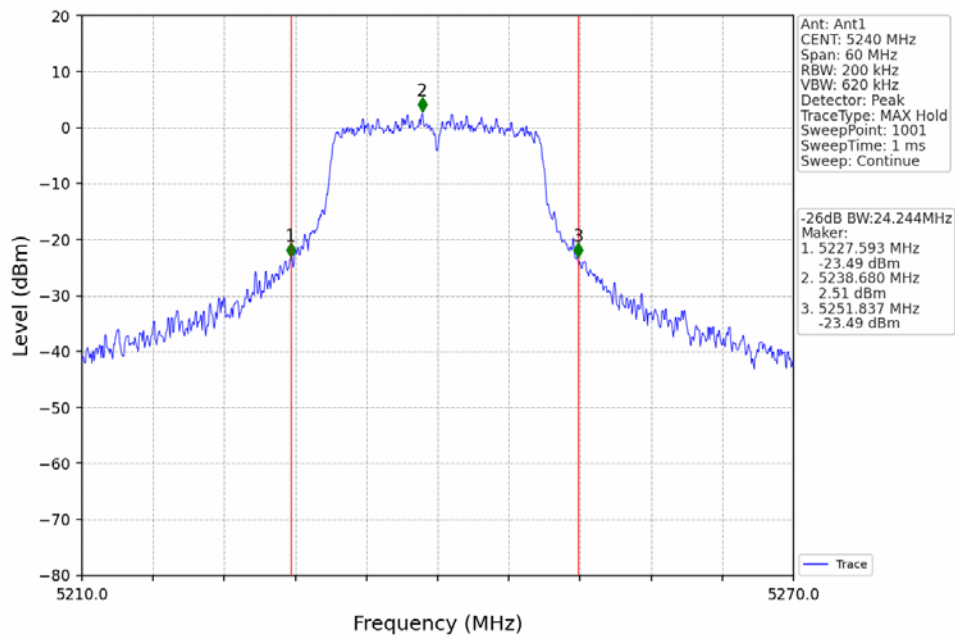
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



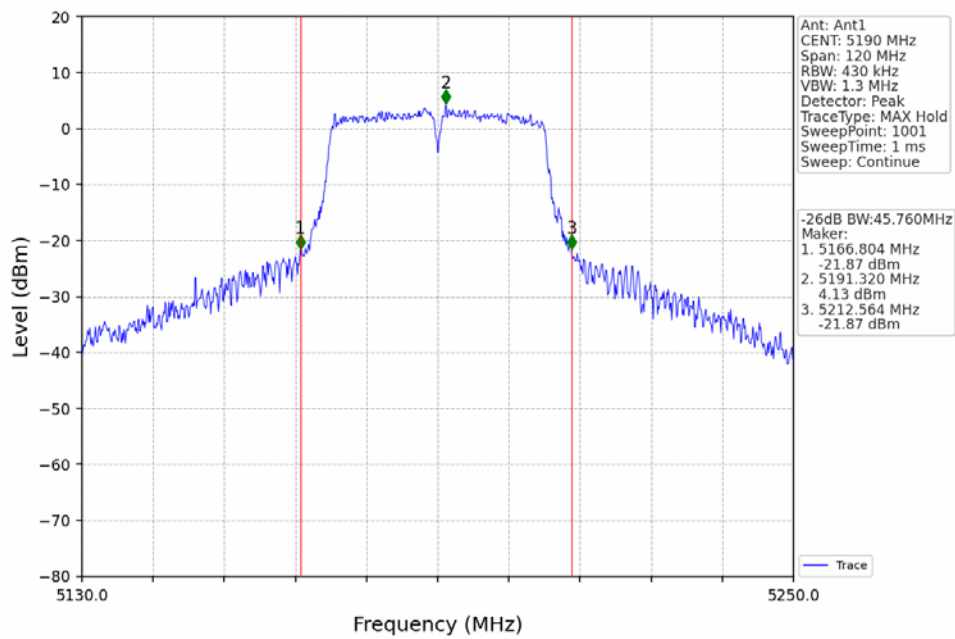
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



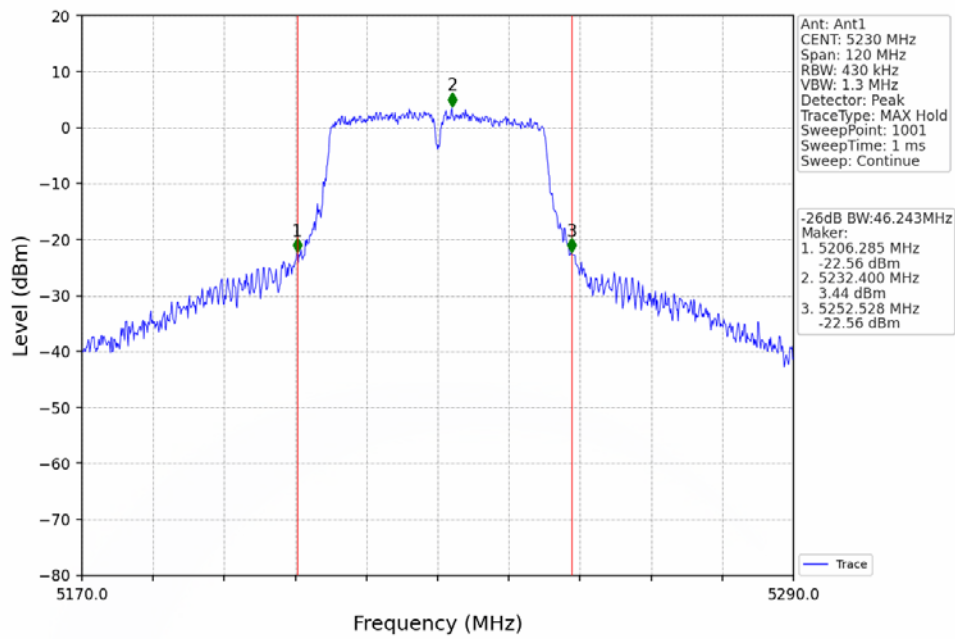
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



3. Maximum Conducted Output Power

3.1 Power

3.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
802.11a	SISO	5180	14.58	<=23.98	Pass
		5200	13.46	<=23.98	Pass
		5240	12.61	<=23.98	Pass
802.11n (HT20)	SISO	5180	14.26	<=23.98	Pass
		5200	13.83	<=23.98	Pass
		5240	12.86	<=23.98	Pass
802.11n (HT40)	SISO	5190	13.49	<=23.98	Pass
		5230	13.18	<=23.98	Pass
802.11ac (VHT20)	SISO	5180	13.94	<=23.98	Pass
		5200	13.58	<=23.98	Pass
		5240	12.21	<=23.98	Pass
802.11ac (VHT40)	SISO	5190	13.30	<=23.98	Pass
		5230	13.06	<=23.98	Pass

Note1: Antenna Gain: Ant1: 1.68dBi;

4. Maximum Power Spectral Density

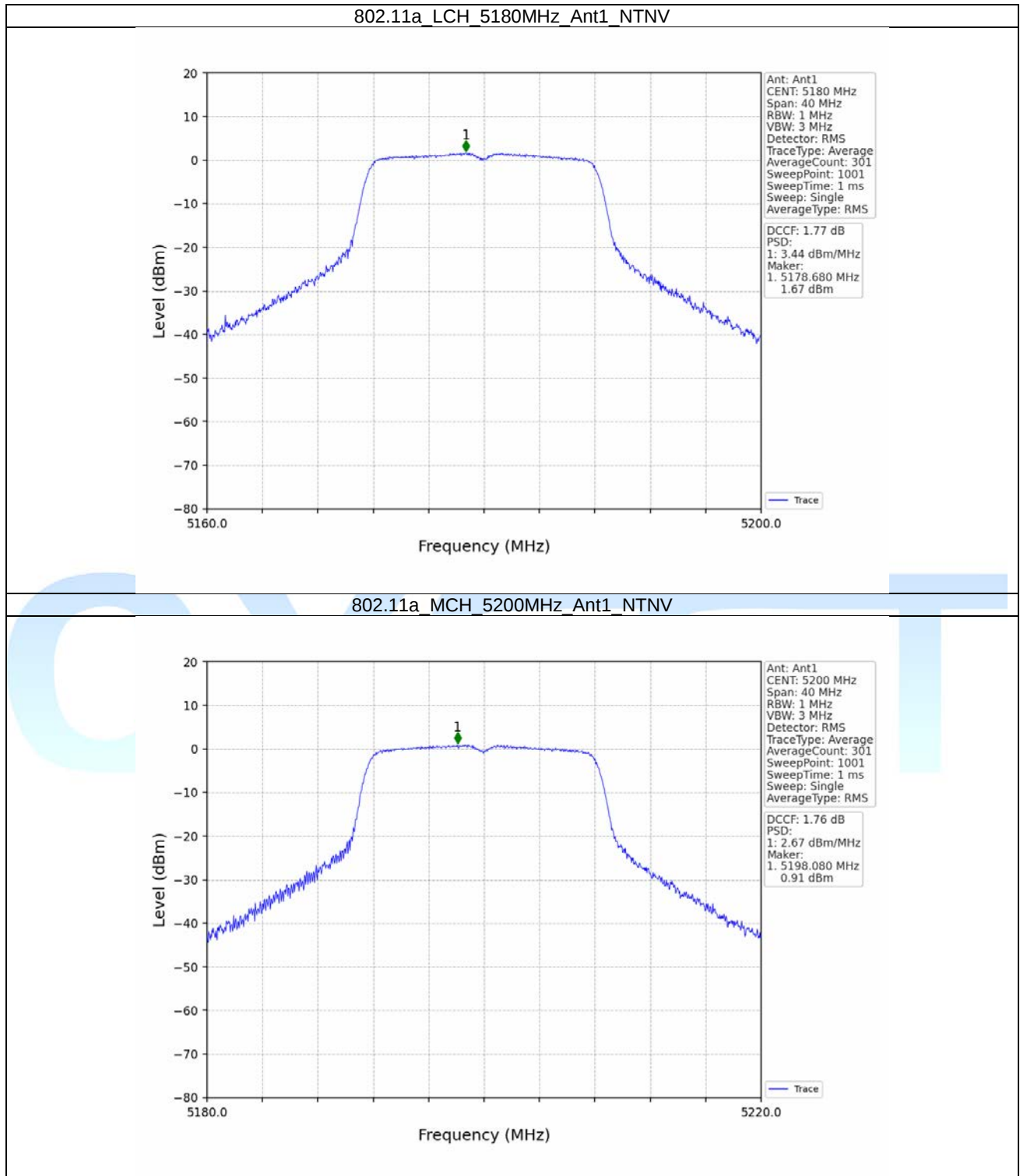
4.1 PSD

4.1.1 Test Result

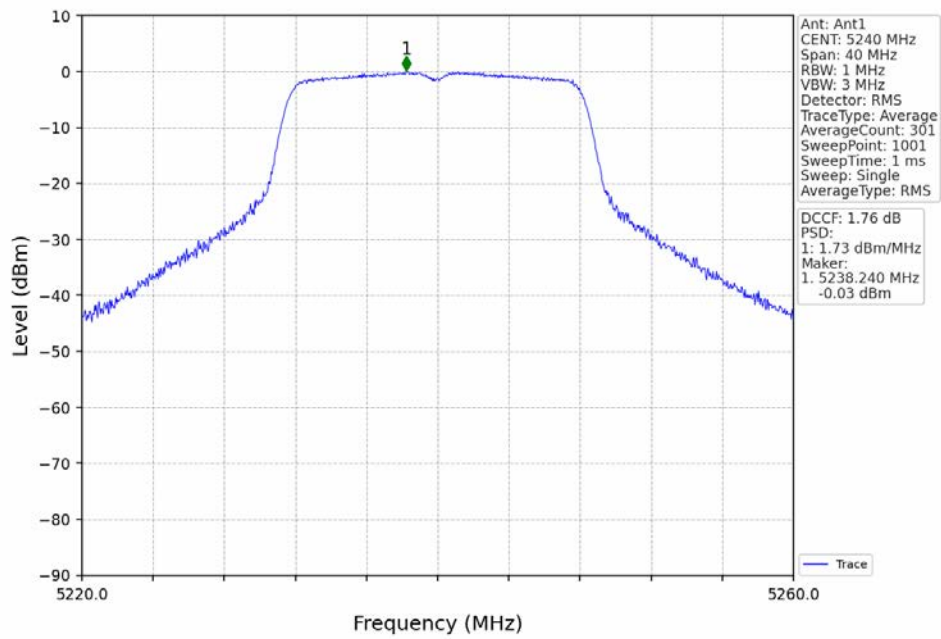
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/MHz)		Verdict
			ANT1	Limit	
802.11a	SISO	5180	3.44	<=11	Pass
		5200	2.67	<=11	Pass
		5240	1.73	<=11	Pass
802.11n (HT20)	SISO	5180	2.83	<=11	Pass
		5200	2.80	<=11	Pass
		5240	1.68	<=11	Pass
802.11n (HT40)	SISO	5190	-0.64	<=11	Pass
		5230	-1.03	<=11	Pass
802.11ac (VHT20)	SISO	5180	2.58	<=11	Pass
		5200	2.60	<=11	Pass
		5240	1.16	<=11	Pass
802.11ac (VHT40)	SISO	5190	-0.60	<=11	Pass
		5230	-1.01	<=11	Pass

Note1: Antenna Gain: Ant1: 1.68dBi;

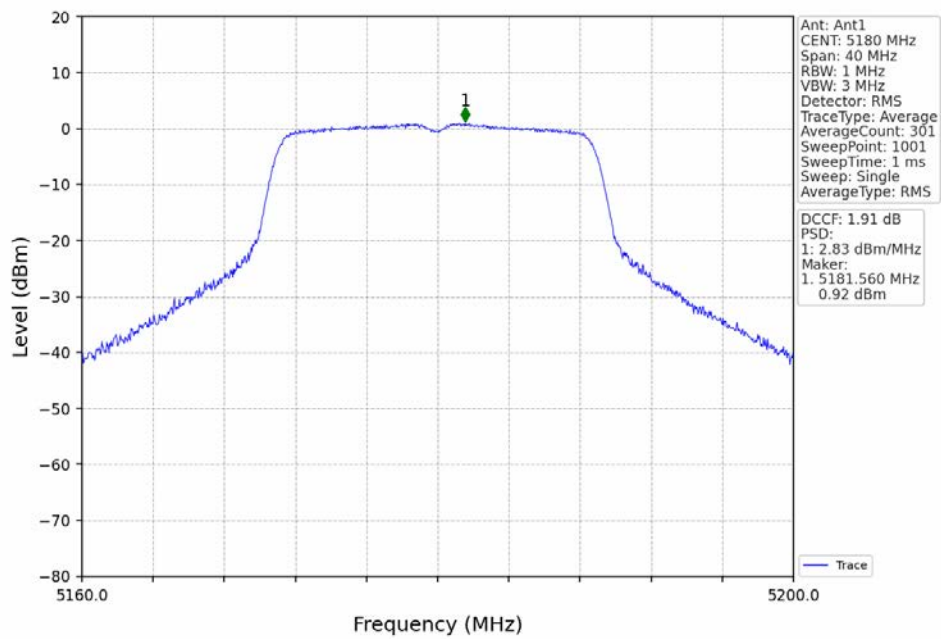
4.1.2 Test Graph



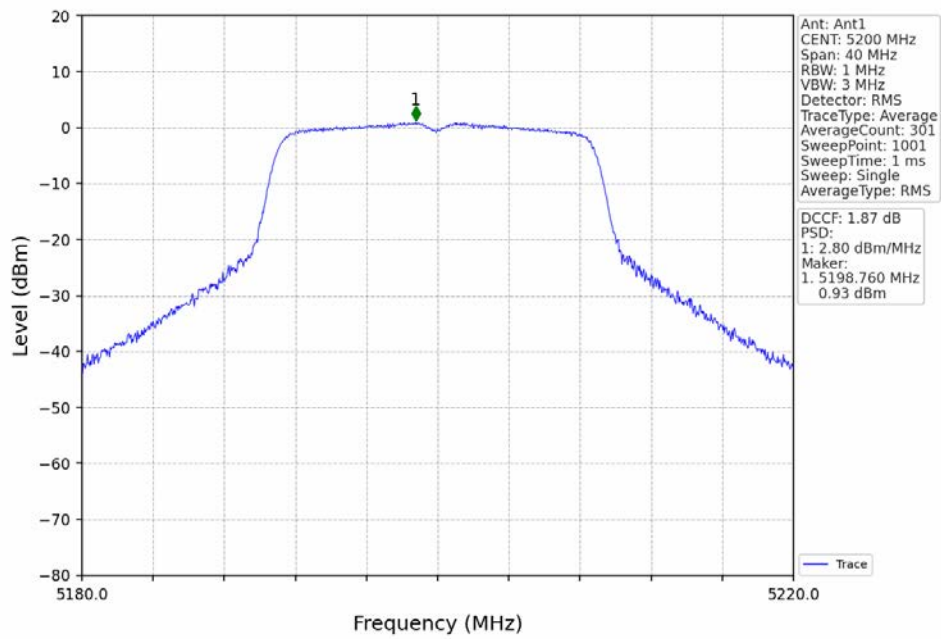
802.11a_HCH_5240MHz_Ant1_NTNV



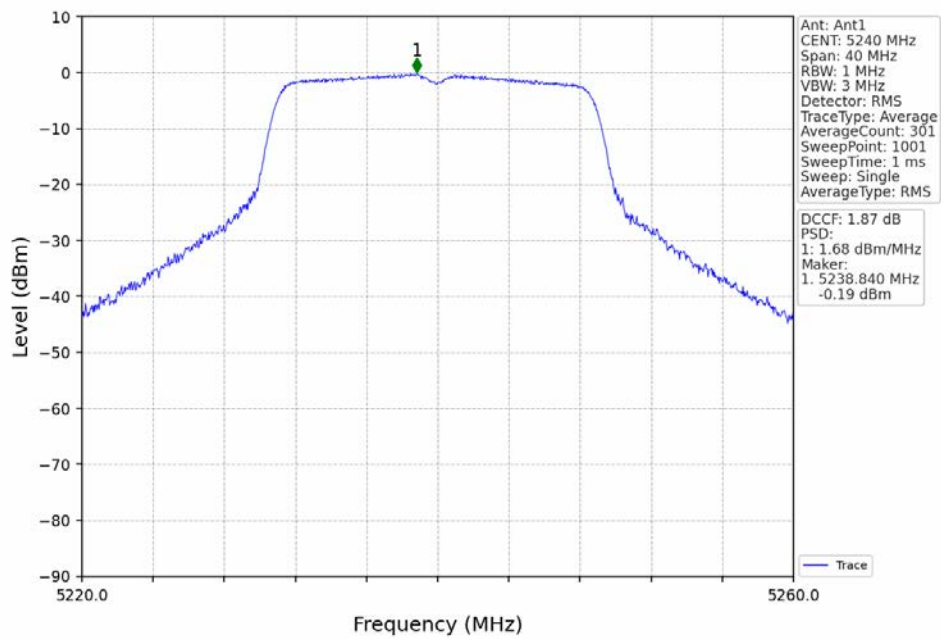
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



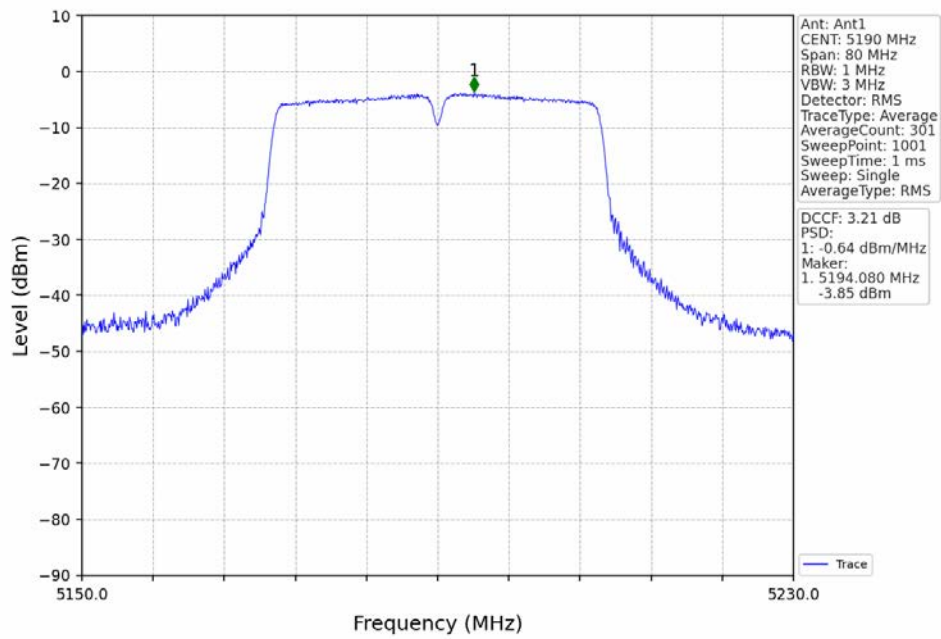
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



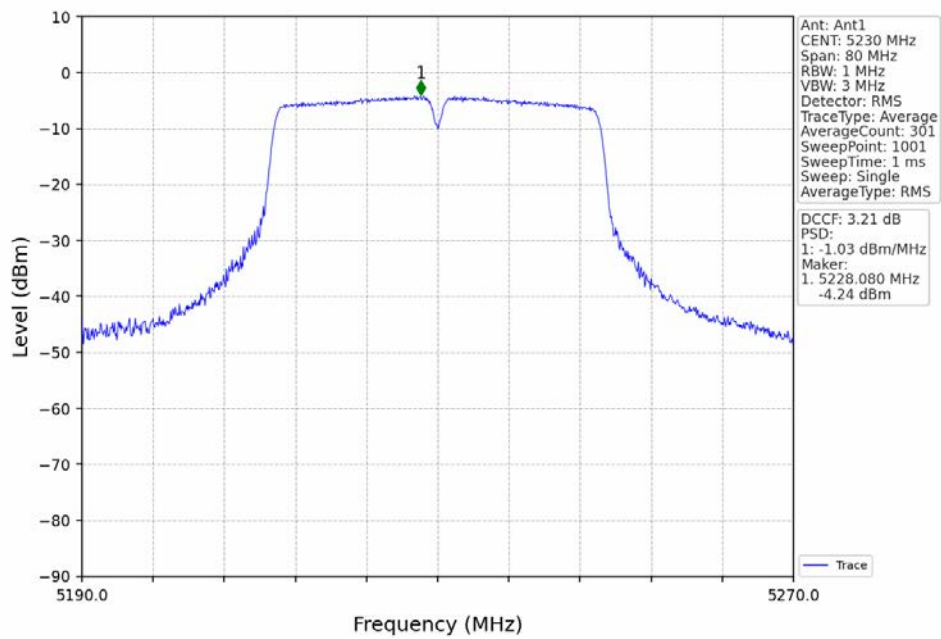
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



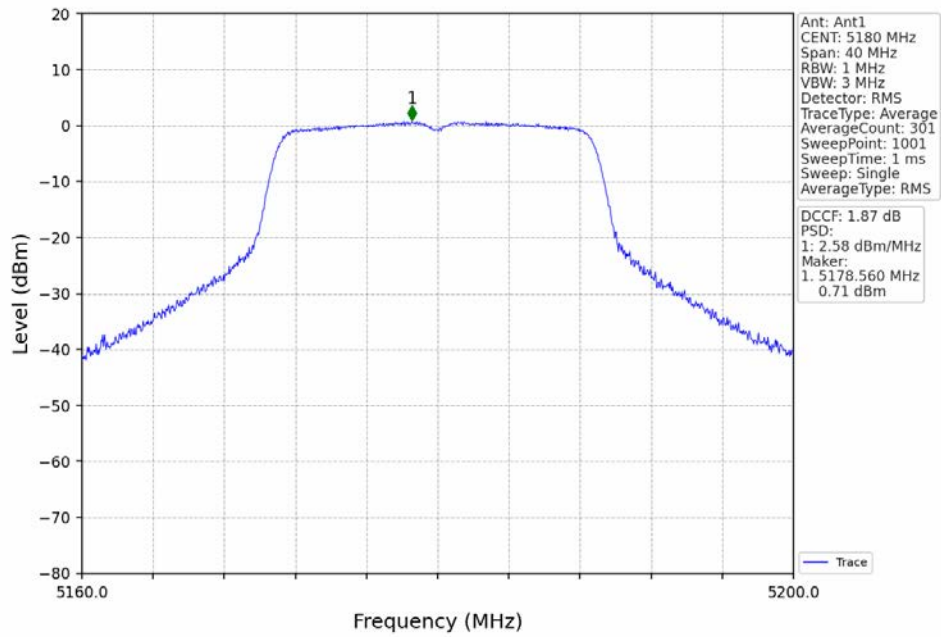
802.11n(HT40) LCH 5190MHz_Ant1_NTNV



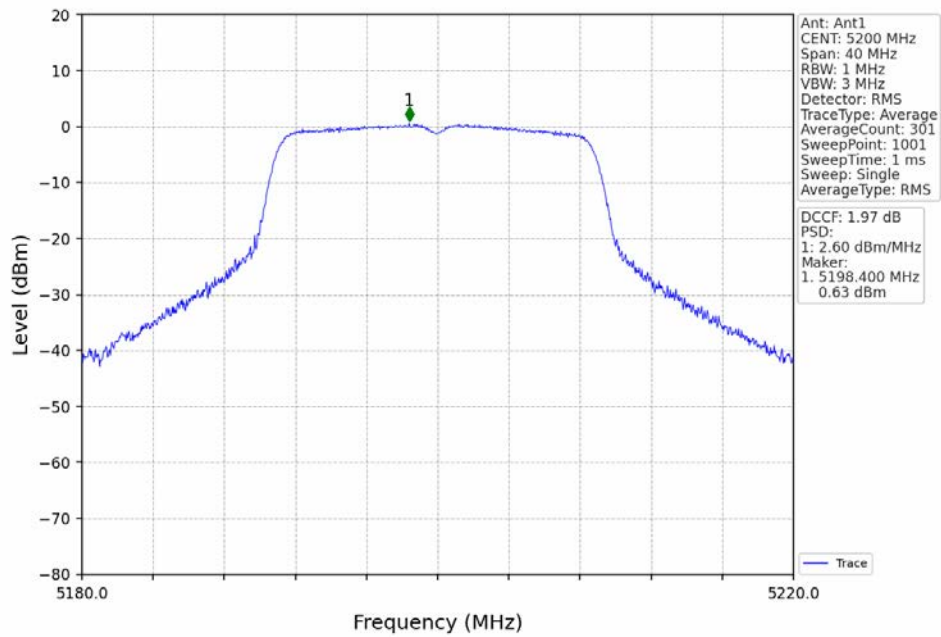
802.11n(HT40) HCH 5230MHz_Ant1_NTNV



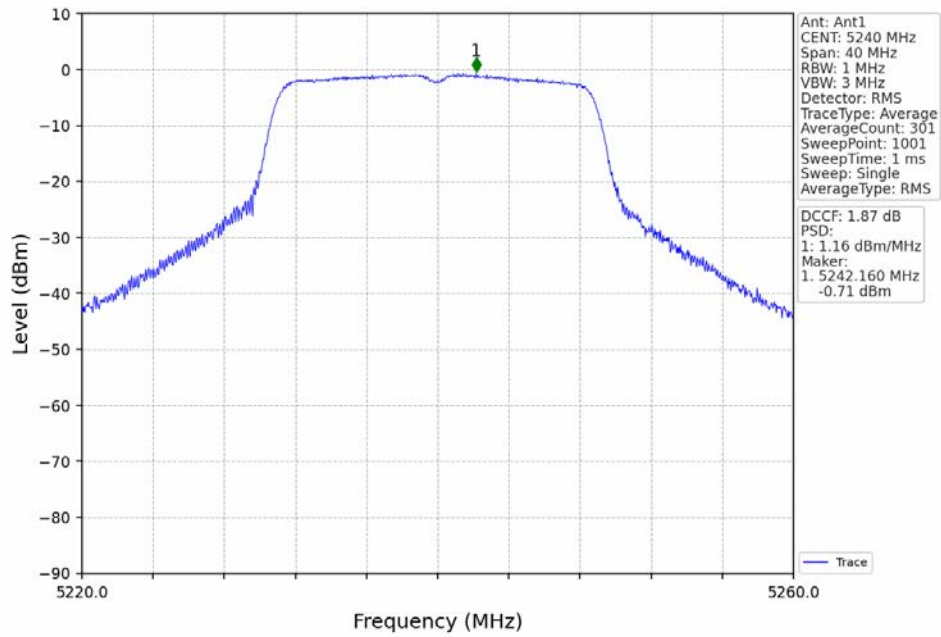
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



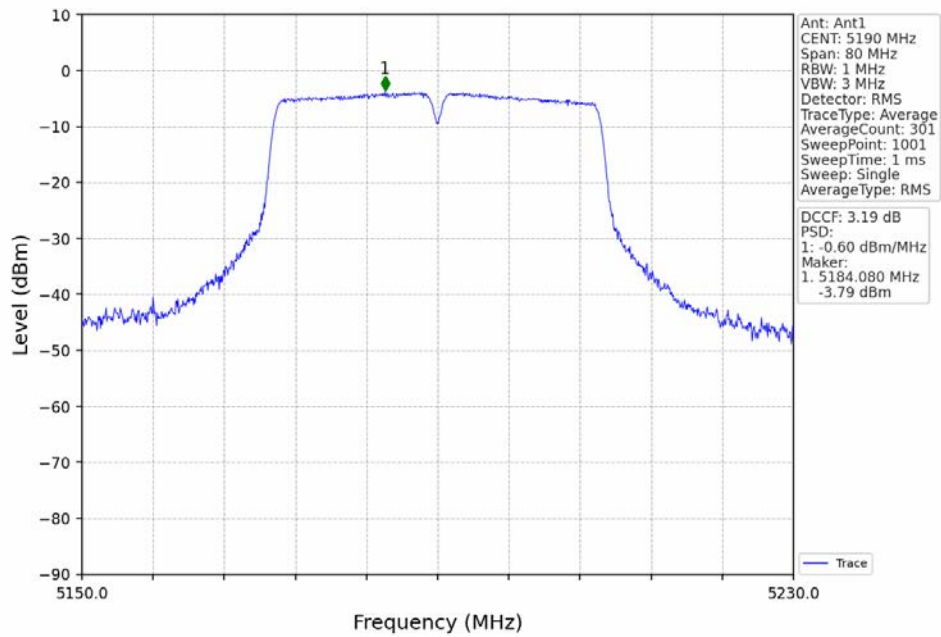
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



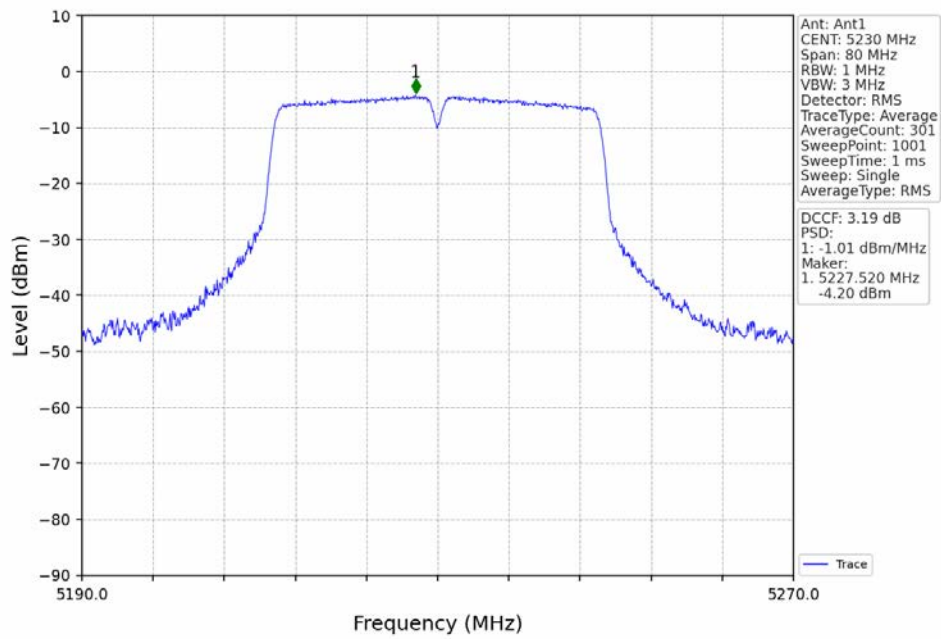
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



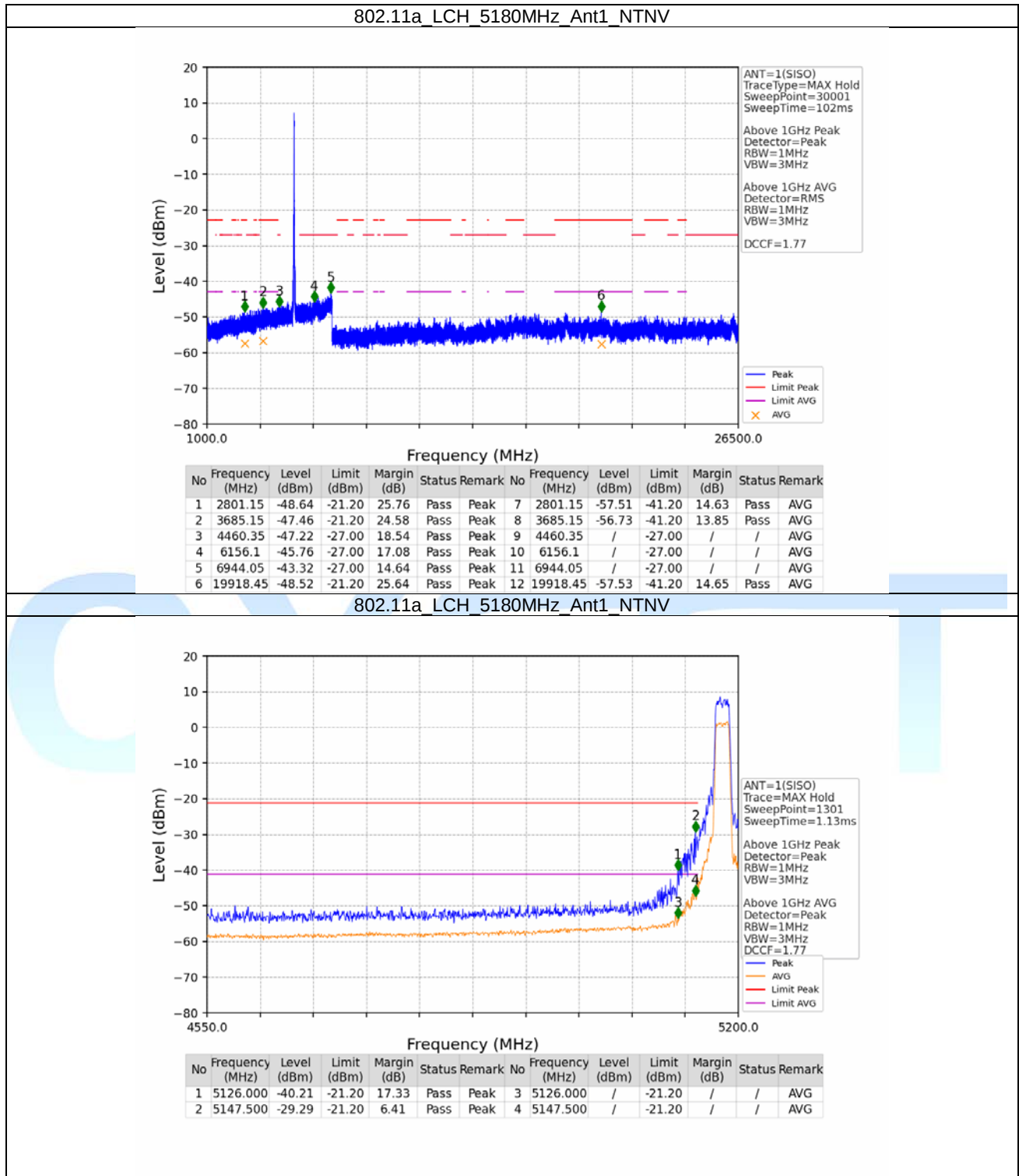
5. Unwanted Emissions In Restricted Frequency Bands

5.1 RSE

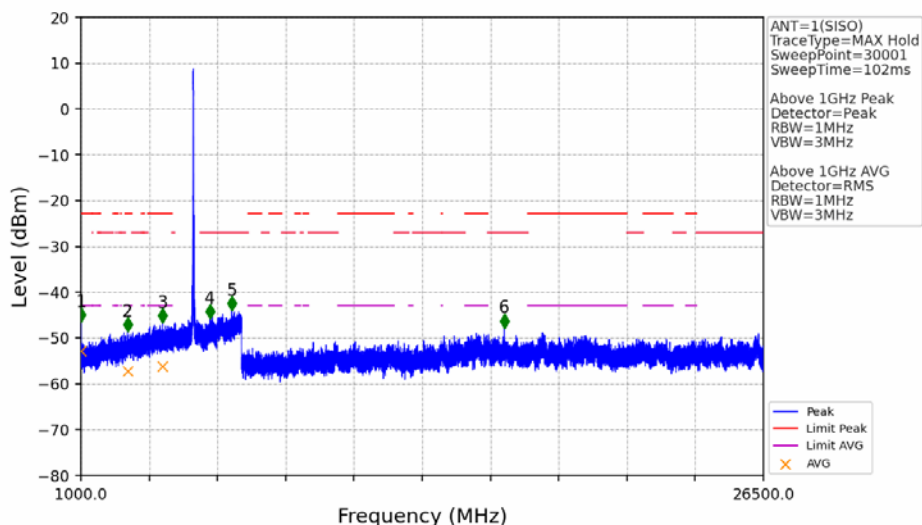
5.1.1 Test Result

Mode	TX Type	Frequency (MHz)	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

5.1.2 Test Graph

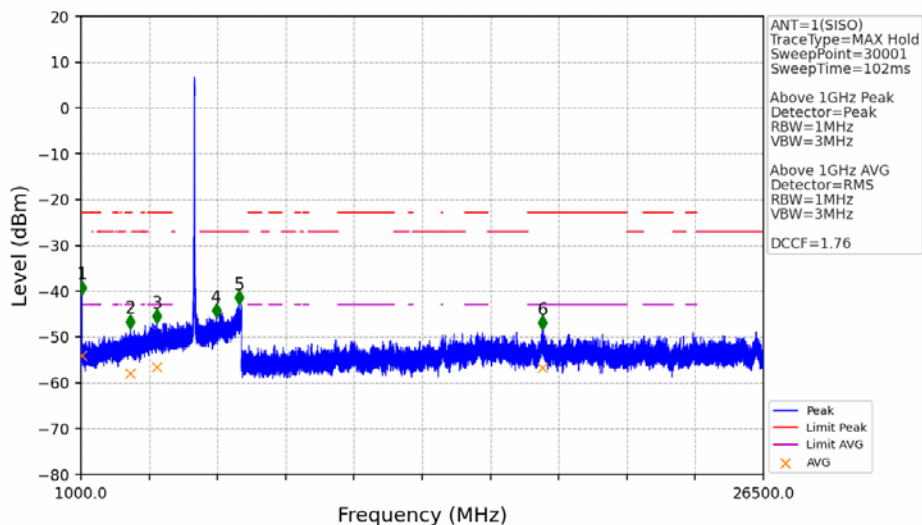


802.11a_MCH_5200MHz_Ant1_NTNV



No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	1000	-46.54	-21.20	23.66	Pass	Peak	7	1000	-52.91	-41.20	10.03	Pass	AVG
2	2736.55	-48.68	-21.20	25.80	Pass	Peak	8	2736.55	-57.32	-41.20	14.44	Pass	AVG
3	4056.6	-46.67	-21.20	23.79	Pass	Peak	9	4056.6	-56.25	-41.20	13.37	Pass	AVG
4	5822.9	-45.74	-27.00	17.06	Pass	Peak	10	5822.9	/	-27.00	/	/	AVG
5	6632.1	-44.06	-27.00	15.38	Pass	Peak	11	6632.1	/	-27.00	/	/	AVG
6	16814.25	-47.82	-27.00	19.14	Pass	Peak	12	16814.25	/	-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	1029.75	-40.76	-21.20	17.88	Pass	Peak	7	1029.75	-54.02	-41.20	11.14	Pass	AVG
2	2847.9	-48.17	-21.20	25.29	Pass	Peak	8	2847.9	-57.98	-41.20	15.10	Pass	AVG
3	3840.7	-47.00	-21.20	24.12	Pass	Peak	9	3840.7	-56.48	-41.20	13.60	Pass	AVG
4	6058.35	-45.81	-27.00	17.13	Pass	Peak	10	6058.35	/	-27.00	/	/	AVG
5	6899.85	-42.96	-27.00	14.28	Pass	Peak	11	6899.85	/	-27.00	/	/	AVG
6	18242.25	-48.47	-21.20	25.59	Pass	Peak	12	18242.25	-56.77	-41.20	13.89	Pass	AVG