

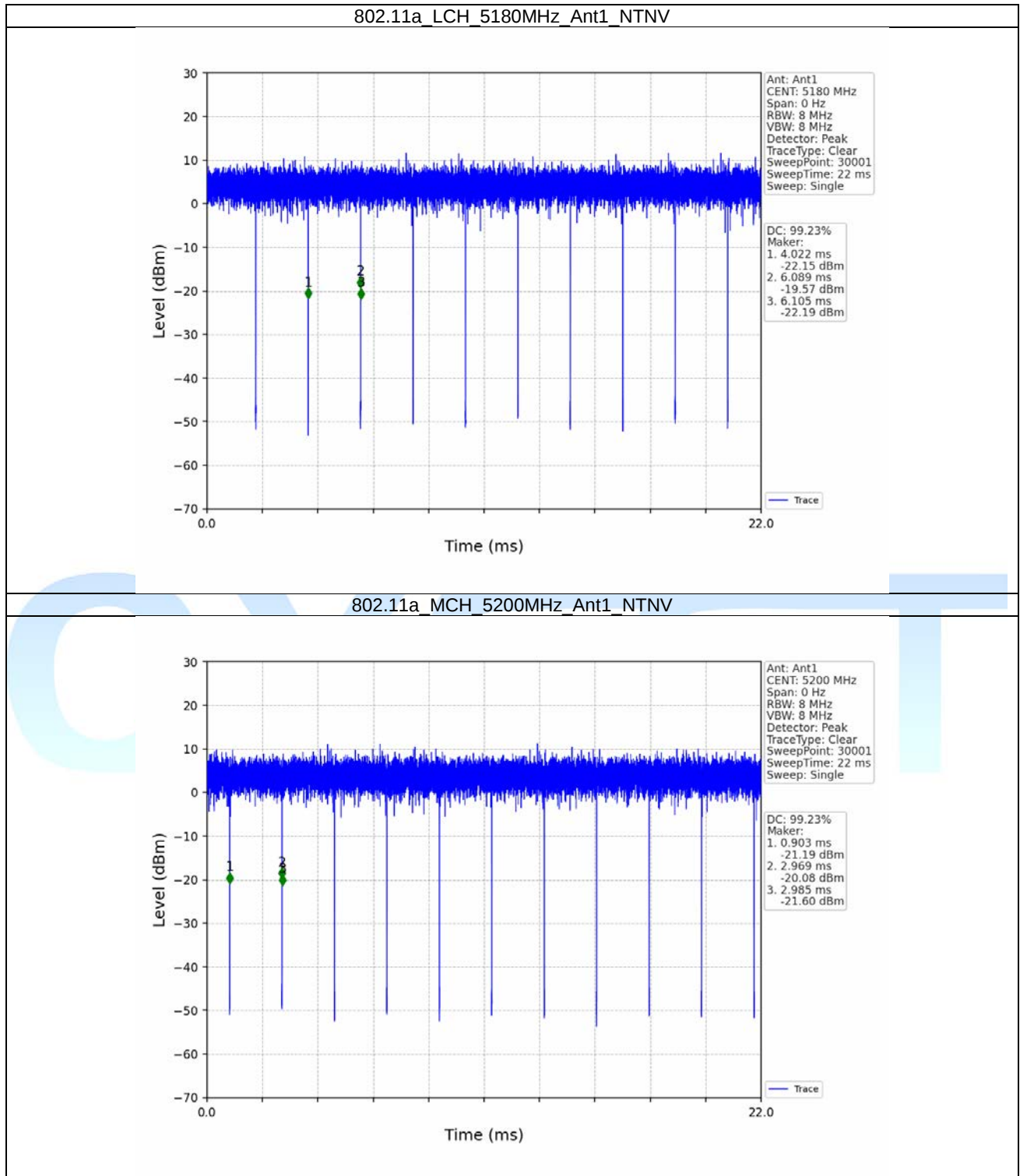
1. Duty Cycle

1.1 Ant1

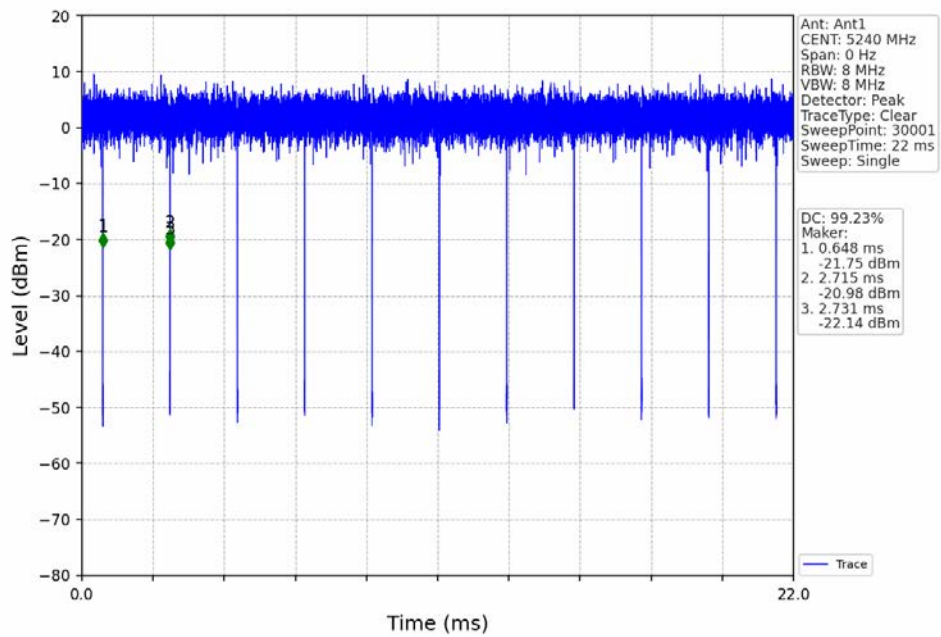
1.1.1 Test Result

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	/	/	2.067	2.083	99.23	0.03	0.03
		5200	/	/	2.066	2.082	99.23	0.03	0.03
		5240	/	/	2.067	2.083	99.23	0.03	0.04
802.11n (HT20)	MIMO	5180	/	/	1.920	1.939	99.02	0.04	0.03
		5200	/	/	1.922	1.939	99.12	0.04	0.03
		5240	/	/	1.923	1.939	99.17	0.04	0.03
802.11n (HT40)	MIMO	5190	/	/	1.538	1.554	98.97	0.04	0.00
		5230	/	/	1.539	1.555	98.97	0.04	0.03
802.11ac (VHT20)	MIMO	5180	/	/	5.010	5.026	99.68	0.01	0.00
		5200	/	/	5.010	5.026	99.68	0.01	0.00
		5240	/	/	5.010	5.026	99.68	0.01	0.04
802.11ac (VHT40)	MIMO	5190	/	/	1.547	1.564	98.91	0.05	0.03
		5230	/	/	1.546	1.562	98.98	0.04	0.03
802.11ac (VHT80)	MIMO	5210	/	/	2.244	2.260	99.29	0.03	0.04
802.11ax (HEW20)	MIMO	5180	RU242	Left	3.815	3.832	99.56	0.02	0.03
		5200	RU242	Left	3.815	3.832	99.56	0.02	0.03
		5240	RU242	Left	3.814	3.832	99.53	0.02	0.03
802.11ax (HEW40)	MIMO	5190	RU484	Left	1.242	1.268	97.95	0.09	0.03
		5230	RU484	Left	1.242	1.268	97.95	0.09	0.03
802.11ax (HEW80)	MIMO	5210	RU996	Left	0.172	0.188	91.49	0.39	0.10

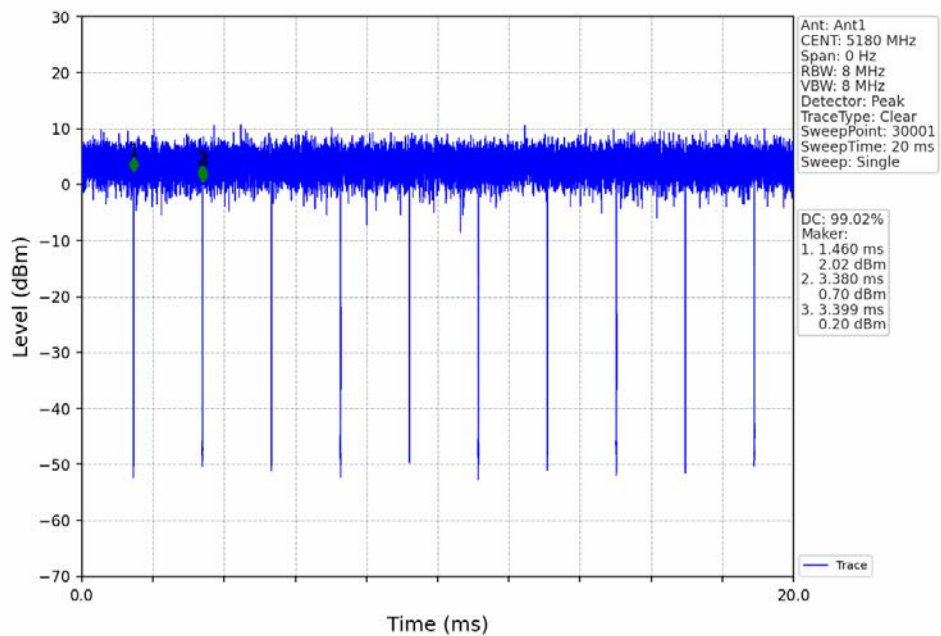
1.1.2 Test Graph



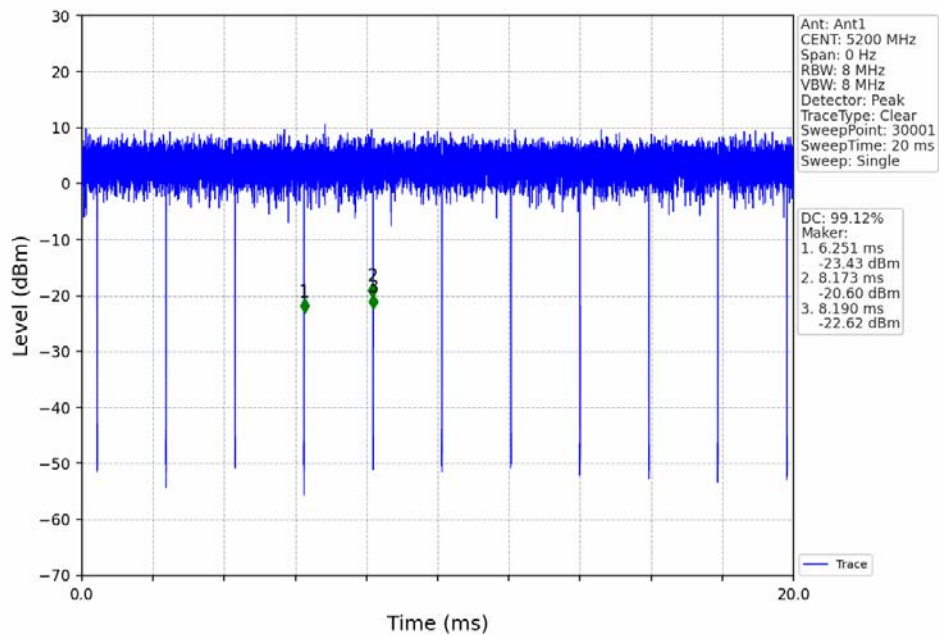
802.11a_HCH_5240MHz_Ant1_NTNV



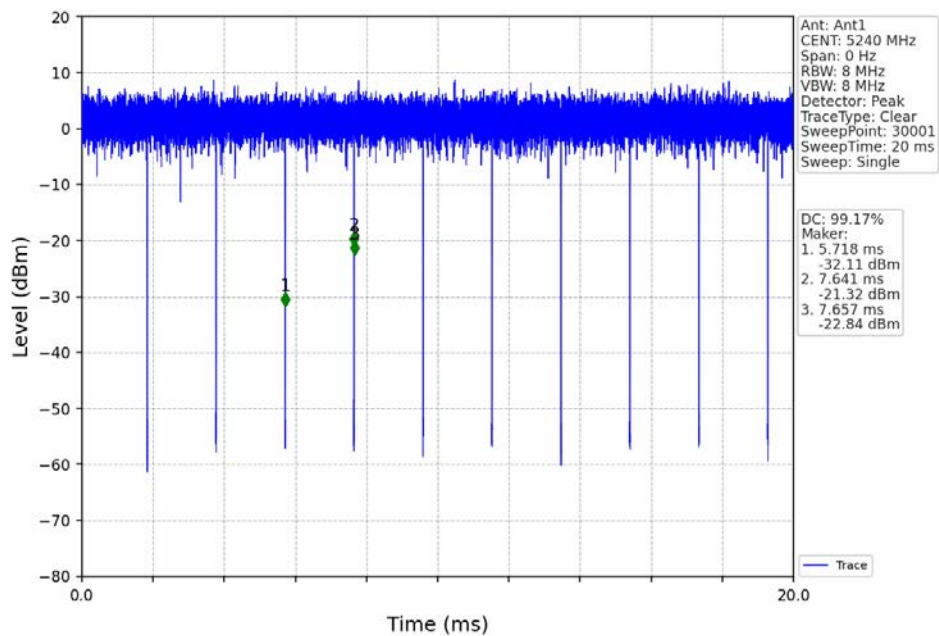
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



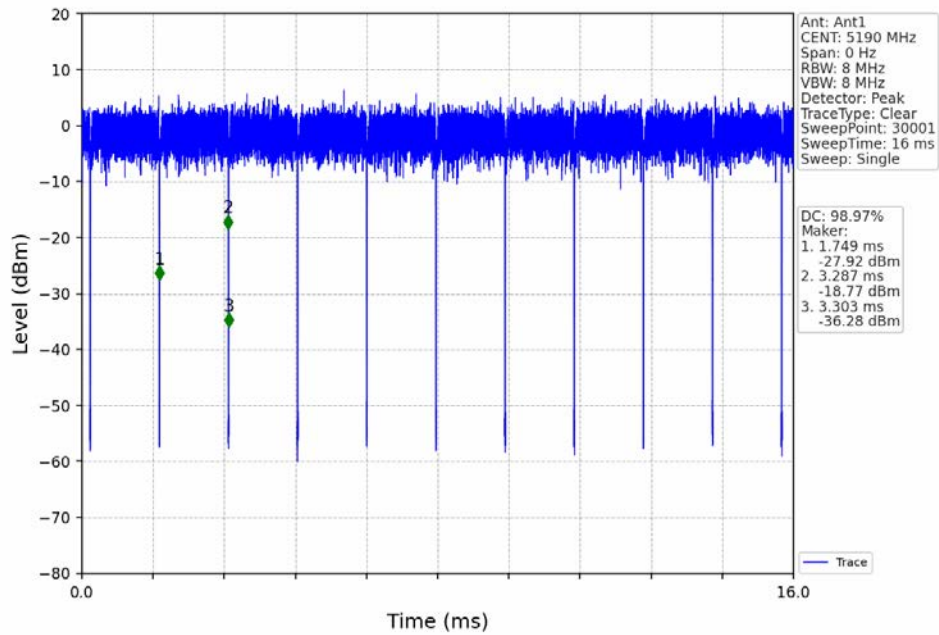
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



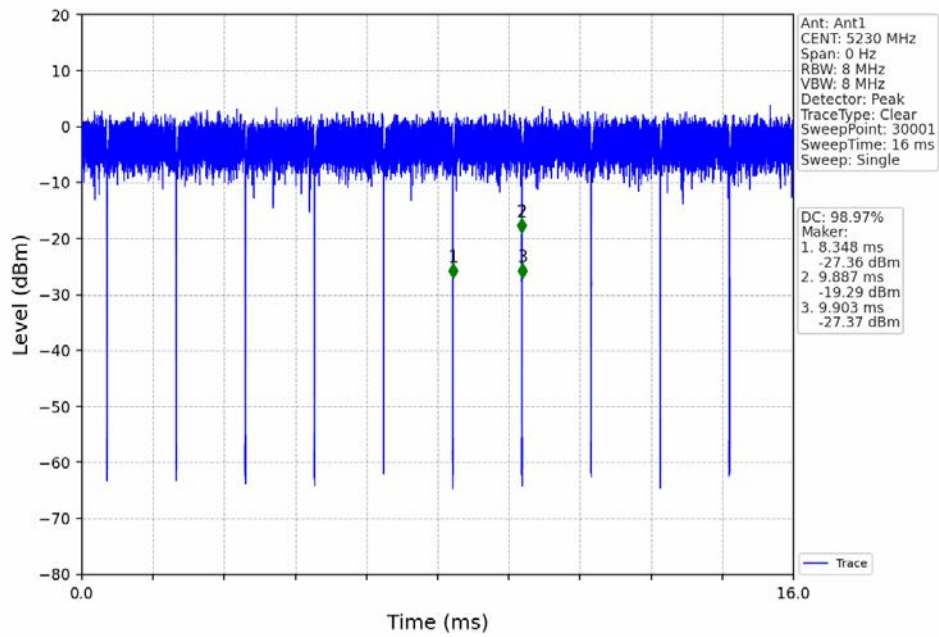
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



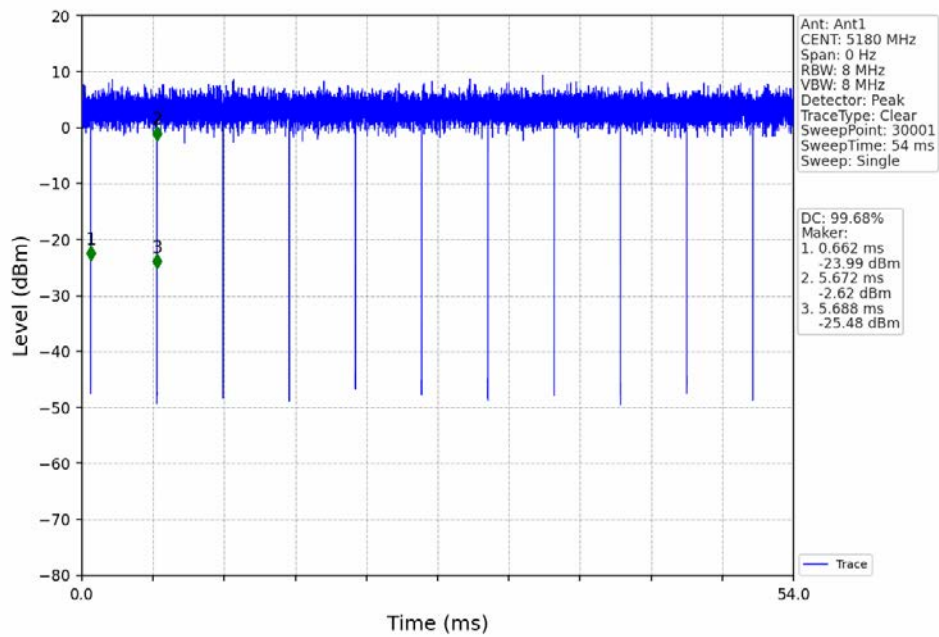
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



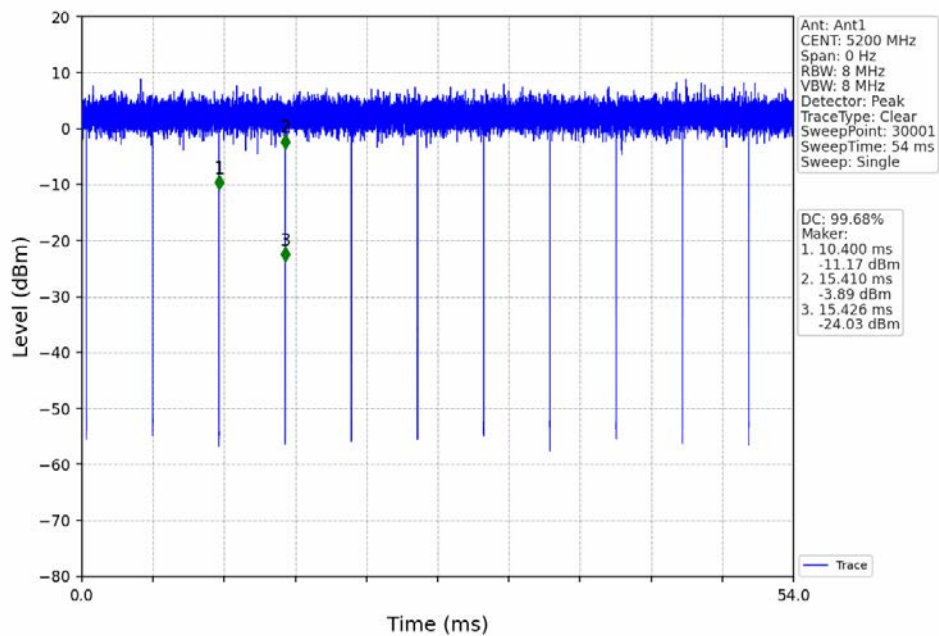
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



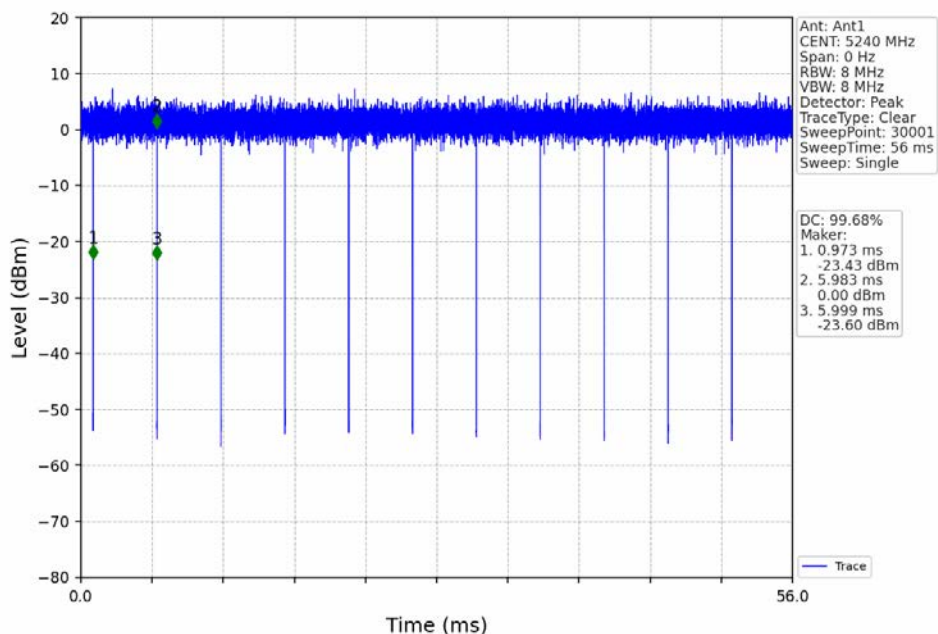
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



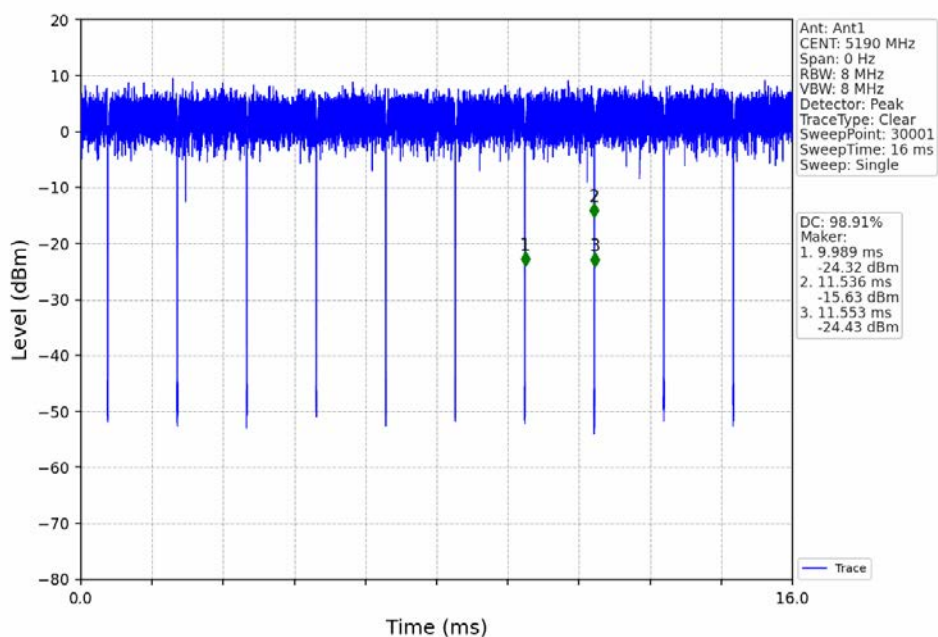
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



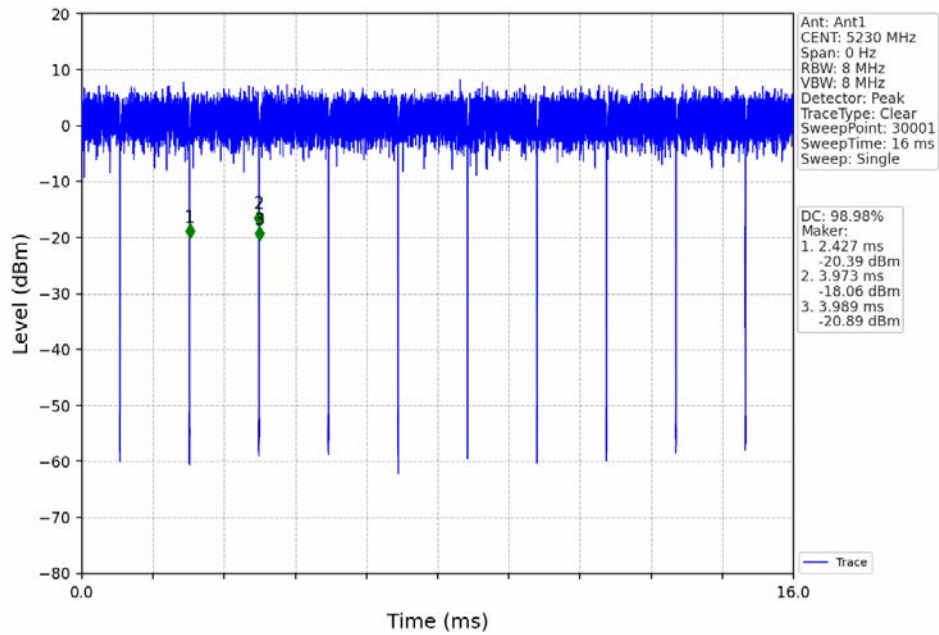
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



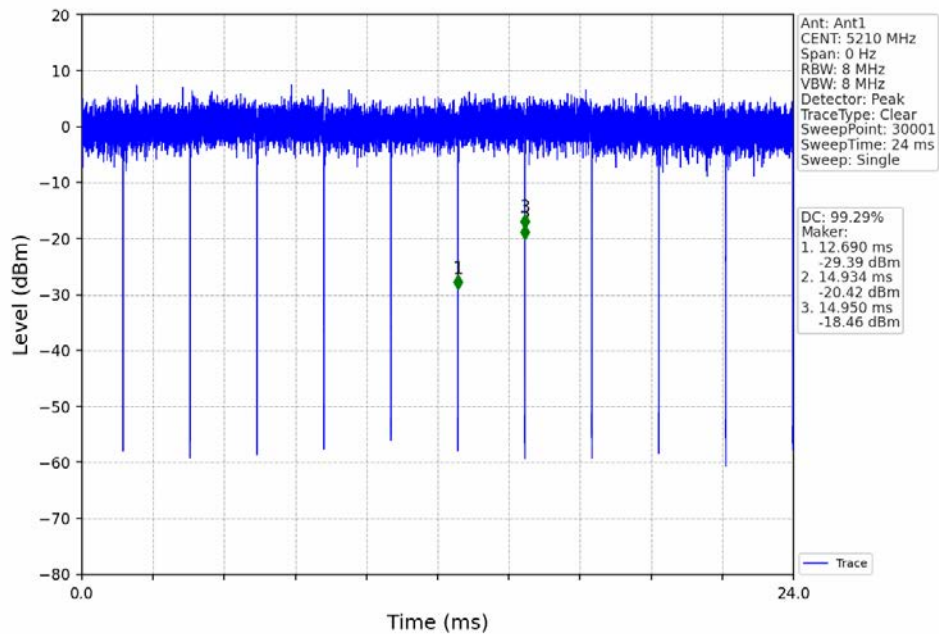
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



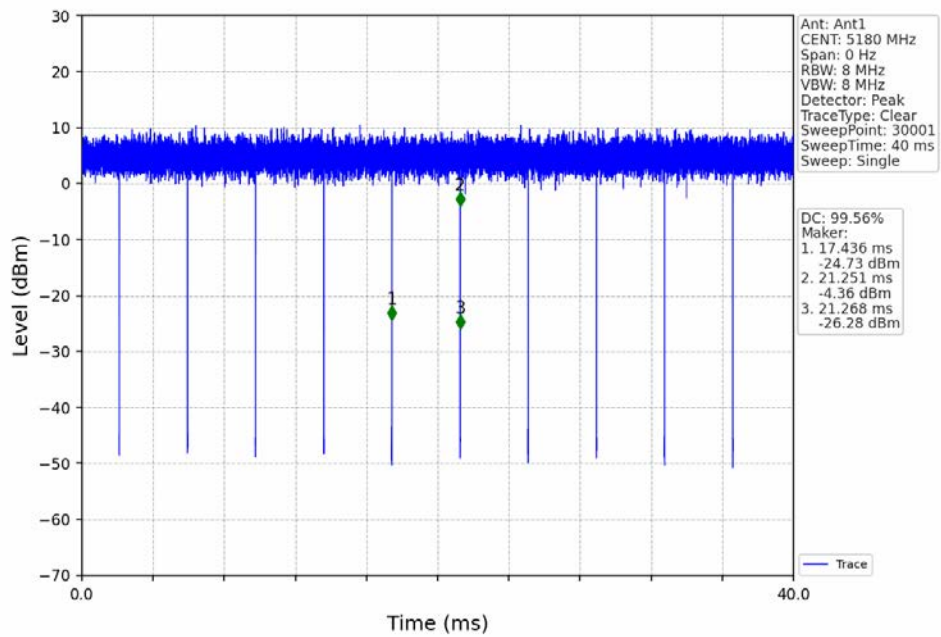
802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



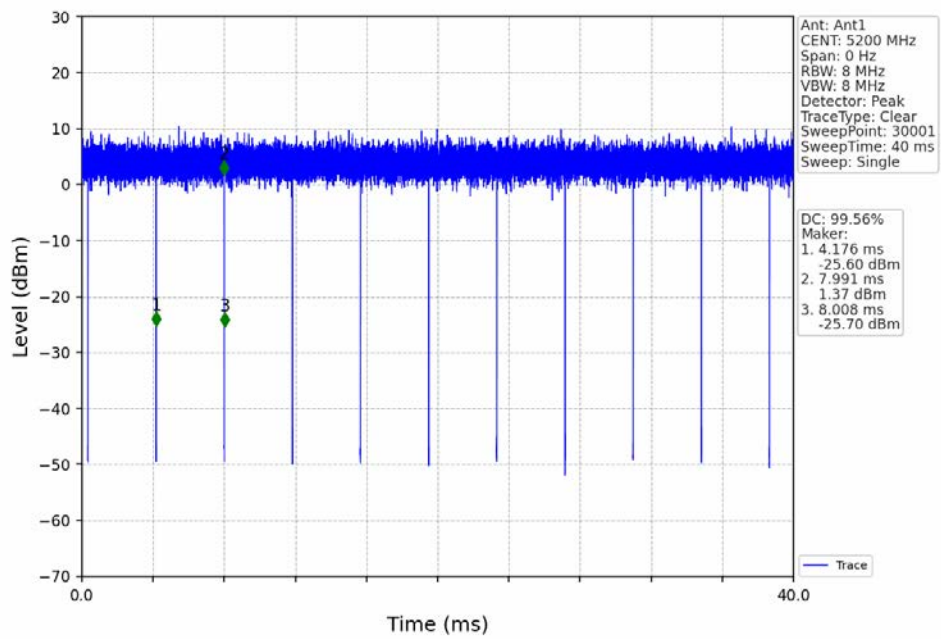
802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



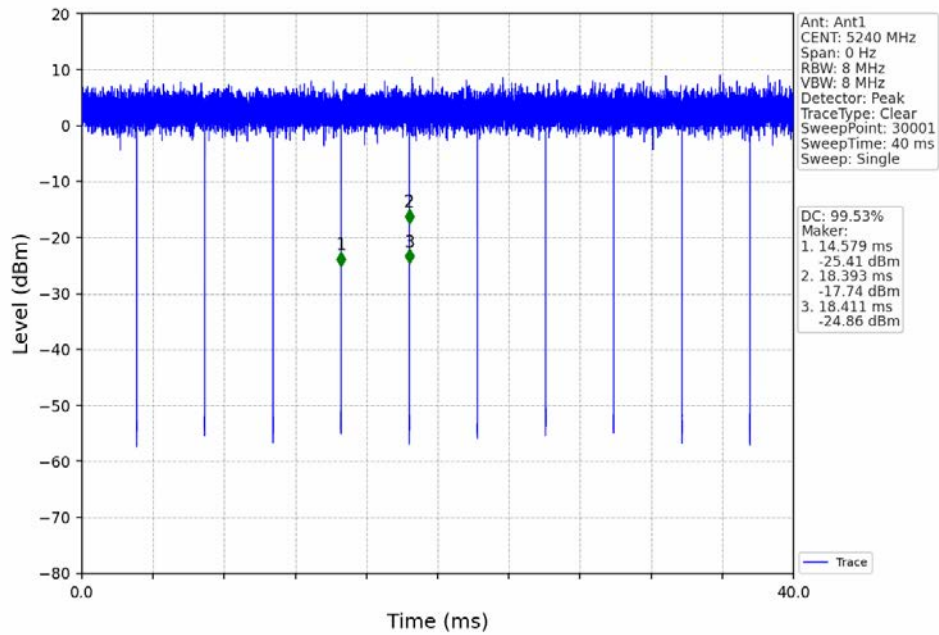
802.11ax(HEW20)_LCH_5180MHz_RU242_Left_Ant1_NTNV



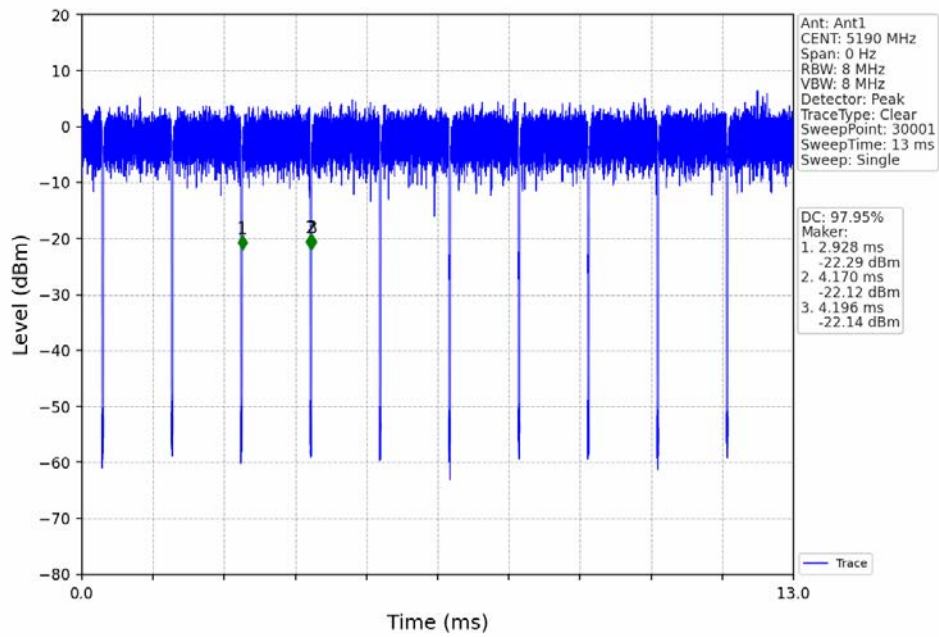
802.11ax(HEW20)_MCH_5200MHz_RU242_Left_Ant1_NTNV



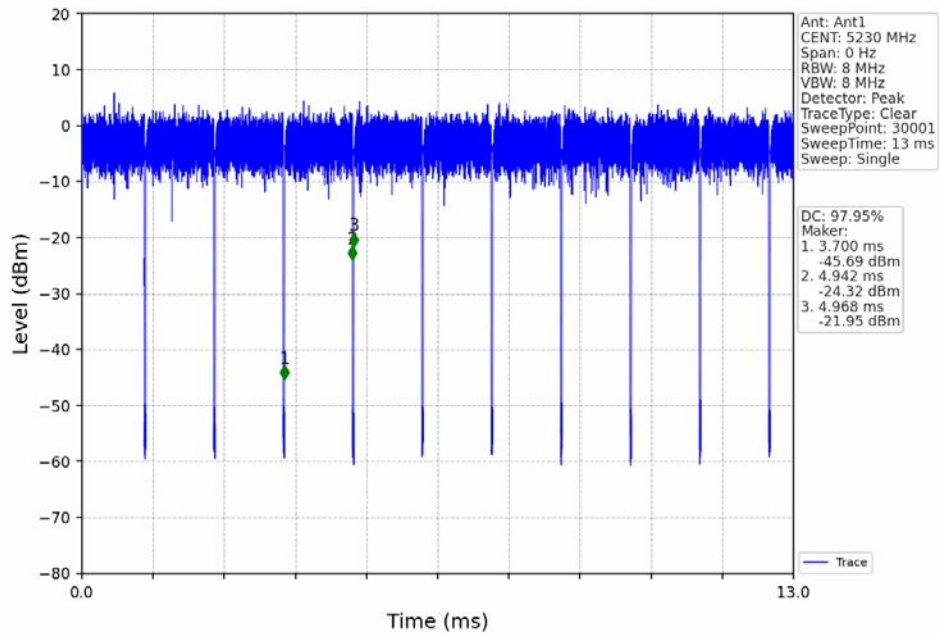
802.11ax(HEW20)_HCH_5240MHz_RU242_Left_Ant1_NTNV



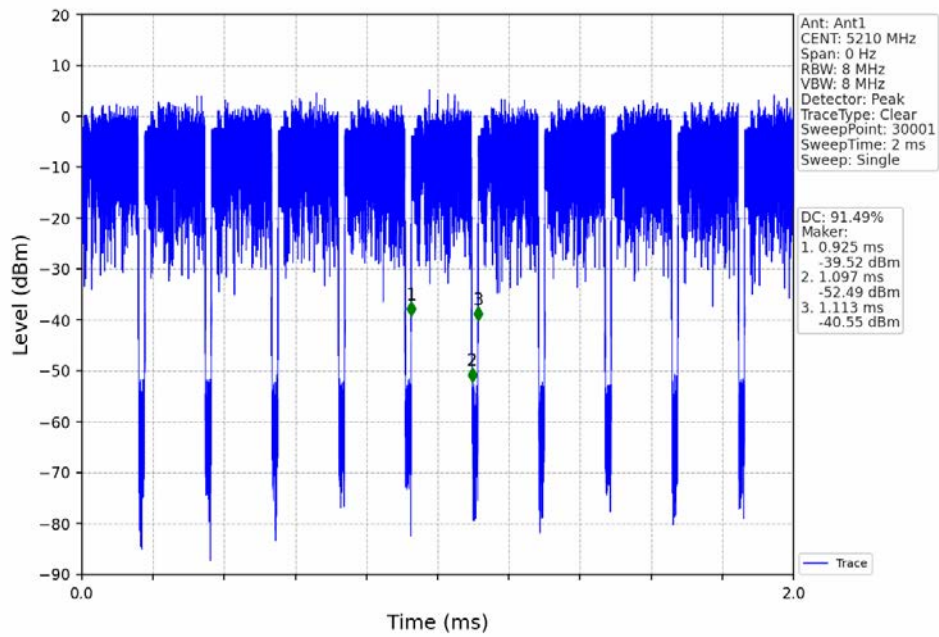
802.11ax(HEW40)_LCH_5190MHz_RU484_Left_Ant1_NTNV



802.11ax(HEW40)_HCH_5230MHz_RU484_Left_Ant1_NTNV



802.11ax(HEW80)_MCH_5210MHz_RU996_Left_Ant1_NTNV



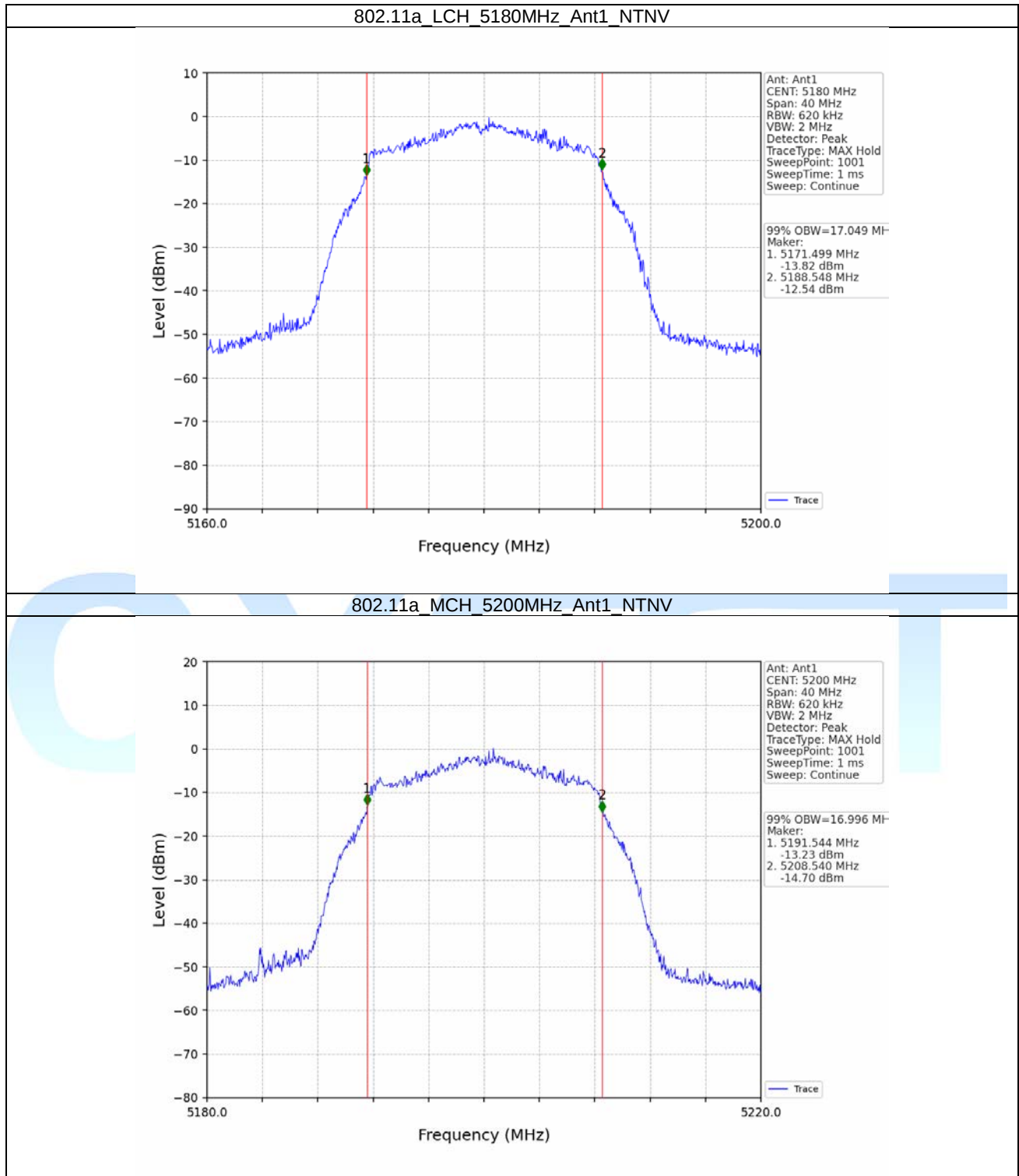
2. Bandwidth

2.1 OBW

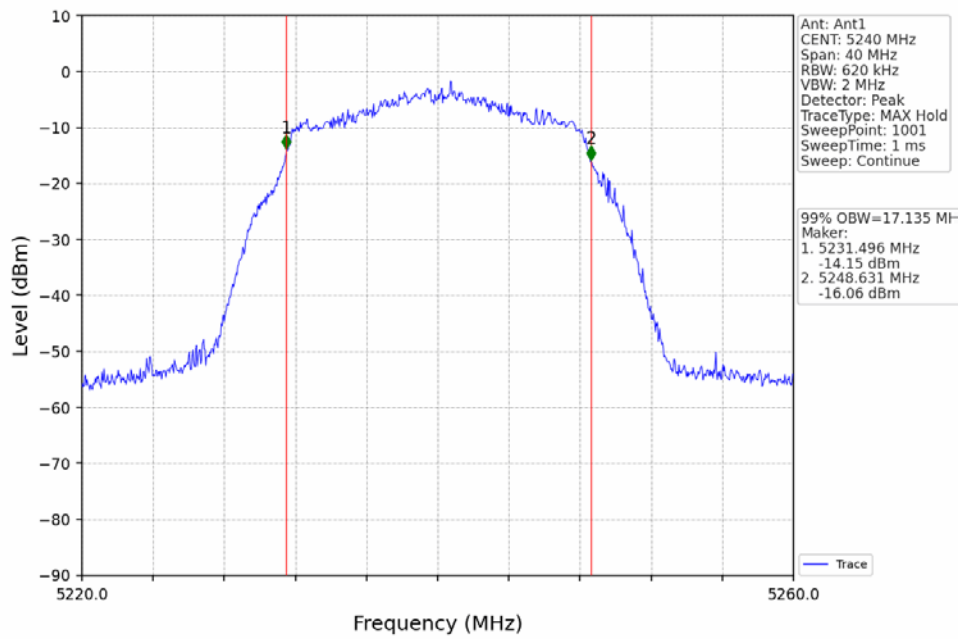
2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	99% Occupied Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	SISO	5180	/	/	1	17.049	/	Pass
		5200	/	/	1	16.996	/	Pass
		5240	/	/	1	17.135	/	Pass
802.11n (HT20)	MIMO	5180	/	/	1	18.040	/	Pass
		5200	/	/	1	17.962	/	Pass
		5240	/	/	1	17.997	/	Pass
802.11n (HT40)	MIMO	5190	/	/	1	36.148	/	Pass
		5230	/	/	1	36.113	/	Pass
802.11ac (VHT20)	MIMO	5180	/	/	1	17.983	/	Pass
		5200	/	/	1	17.981	/	Pass
		5240	/	/	1	17.979	/	Pass
802.11ac (VHT40)	MIMO	5190	/	/	1	36.264	/	Pass
		5230	/	/	1	36.103	/	Pass
802.11ac (VHT80)	MIMO	5210	/	/	1	75.326	/	Pass
802.11ax (HEW20)	MIMO	5180	RU242	Left	1	19.117	/	Pass
		5200	RU242	Left	1	19.117	/	Pass
		5240	RU242	Left	1	19.110	/	Pass
802.11ax (HEW40)	MIMO	5190	RU484	Left	1	37.985	/	Pass
		5230	RU484	Left	1	37.902	/	Pass
802.11ax (HEW80)	MIMO	5210	RU996	Left	1	77.887	/	Pass

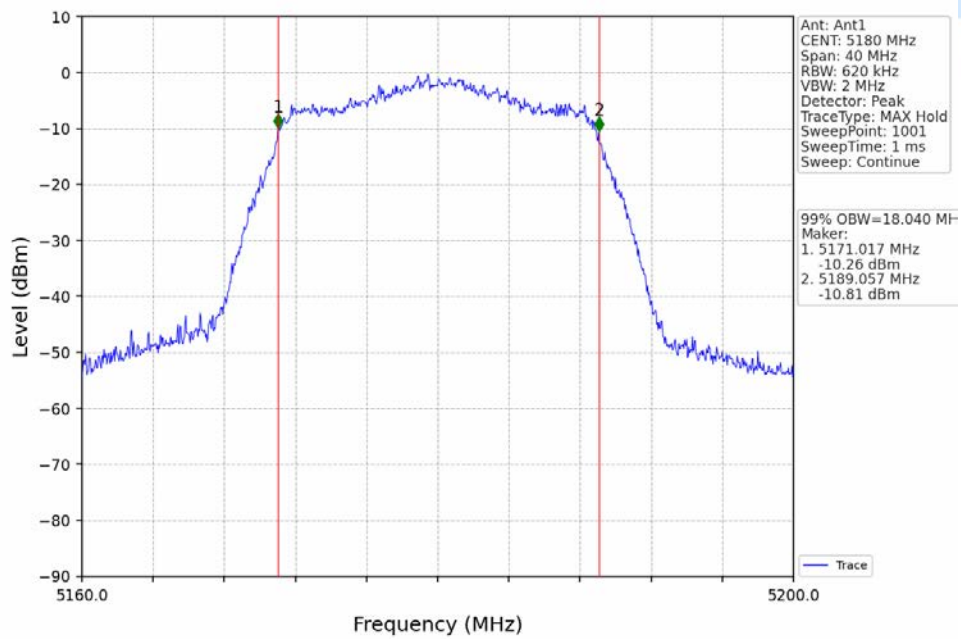
2.1.2 Test Graph



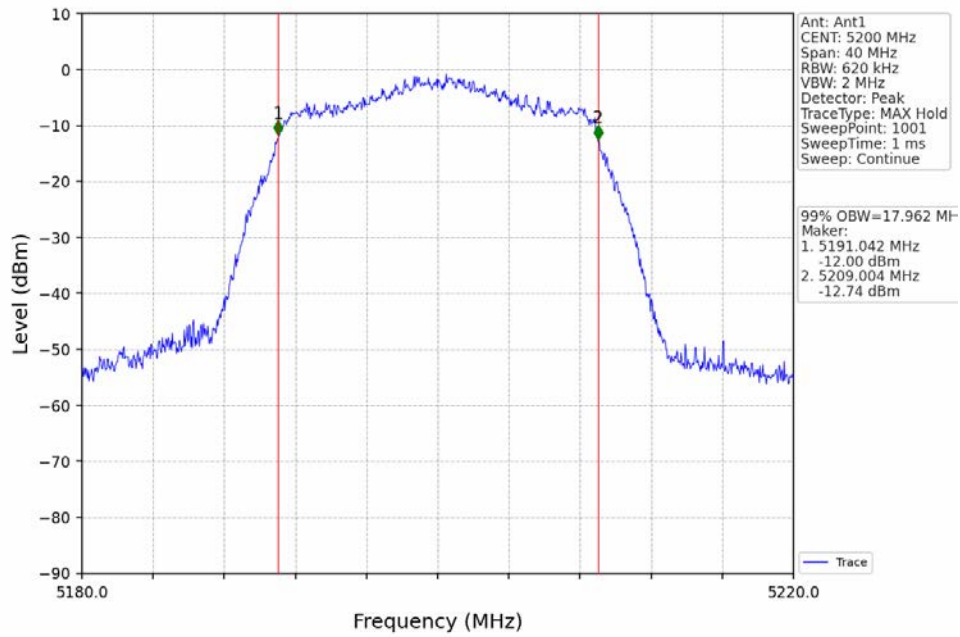
802.11a_HCH_5240MHz_Ant1_NTNV



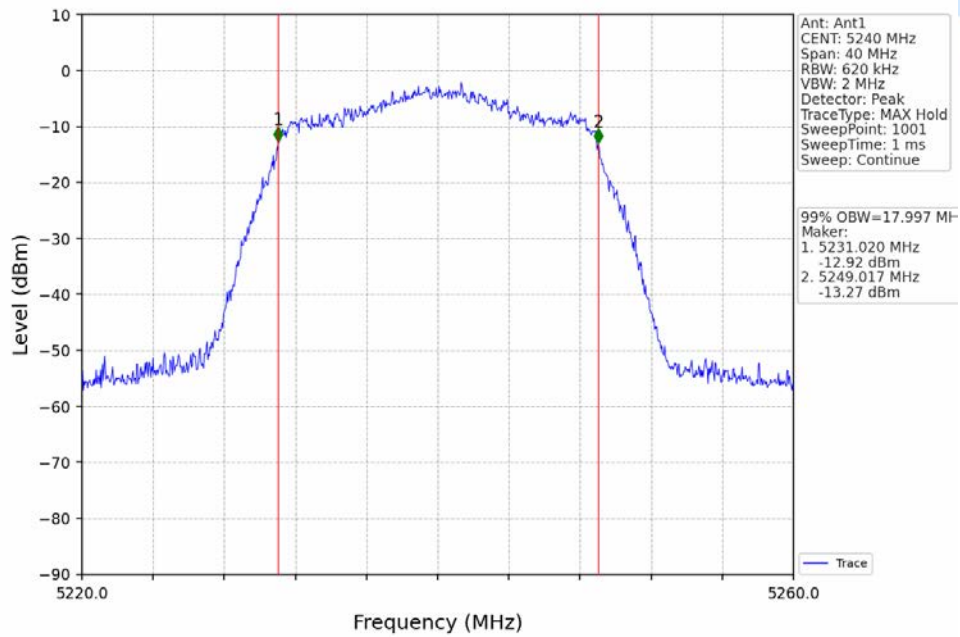
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



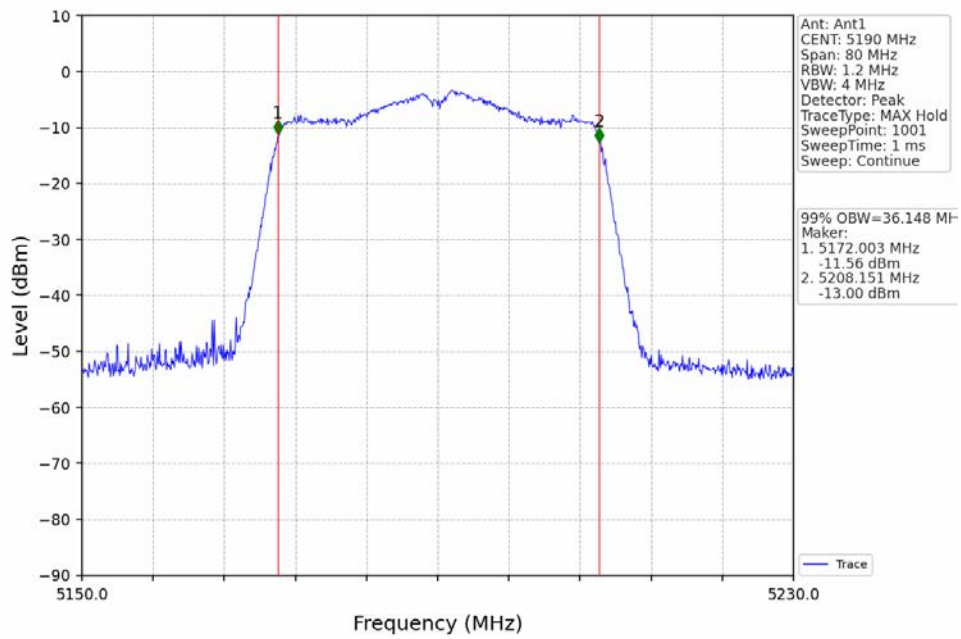
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



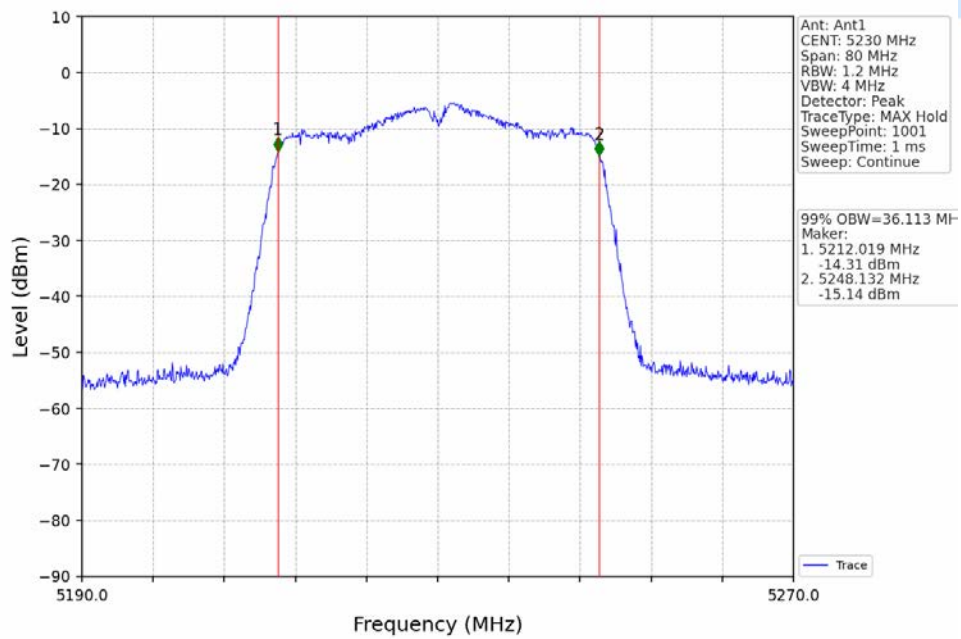
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



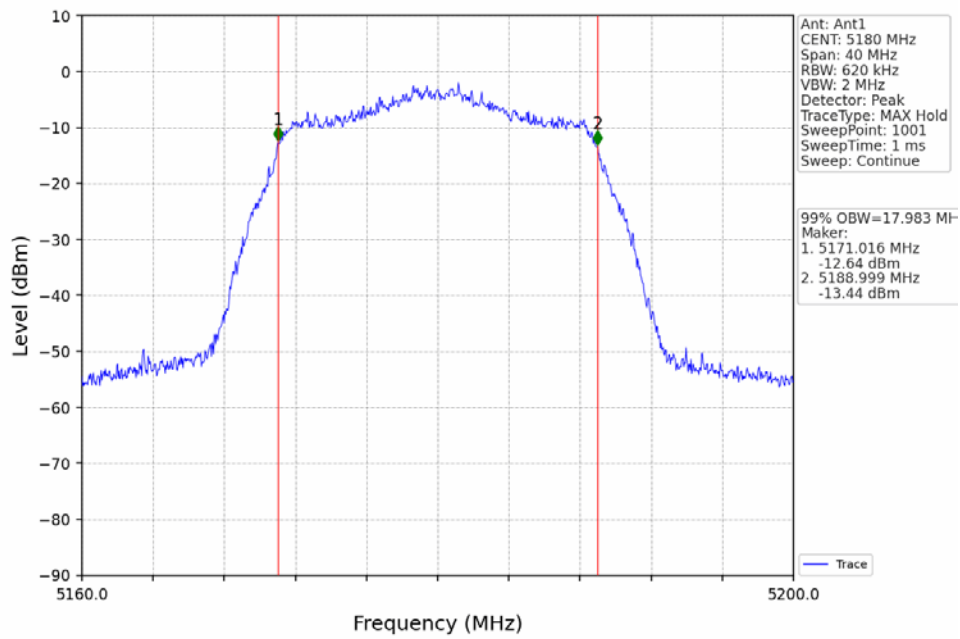
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



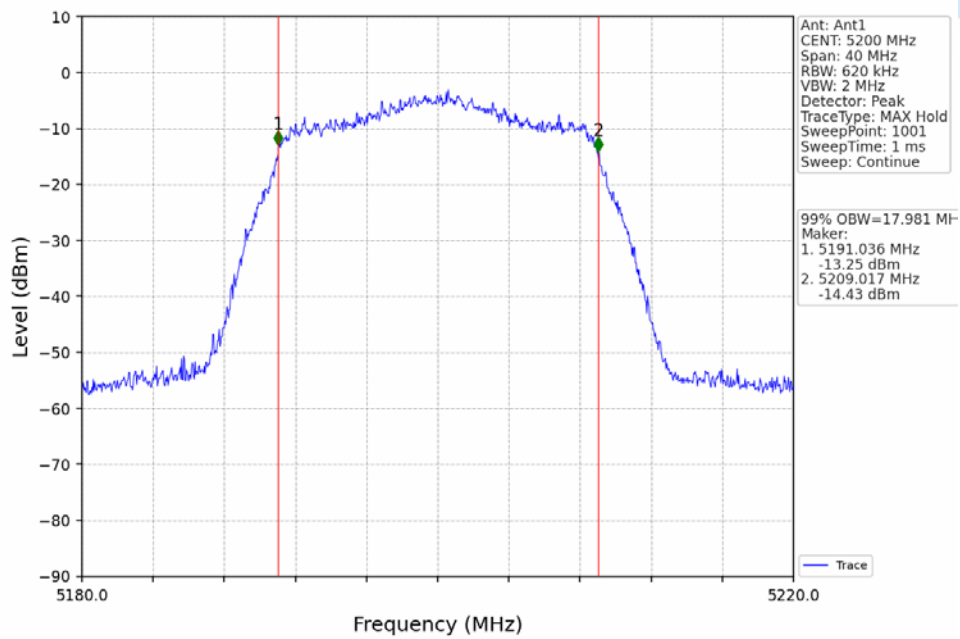
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



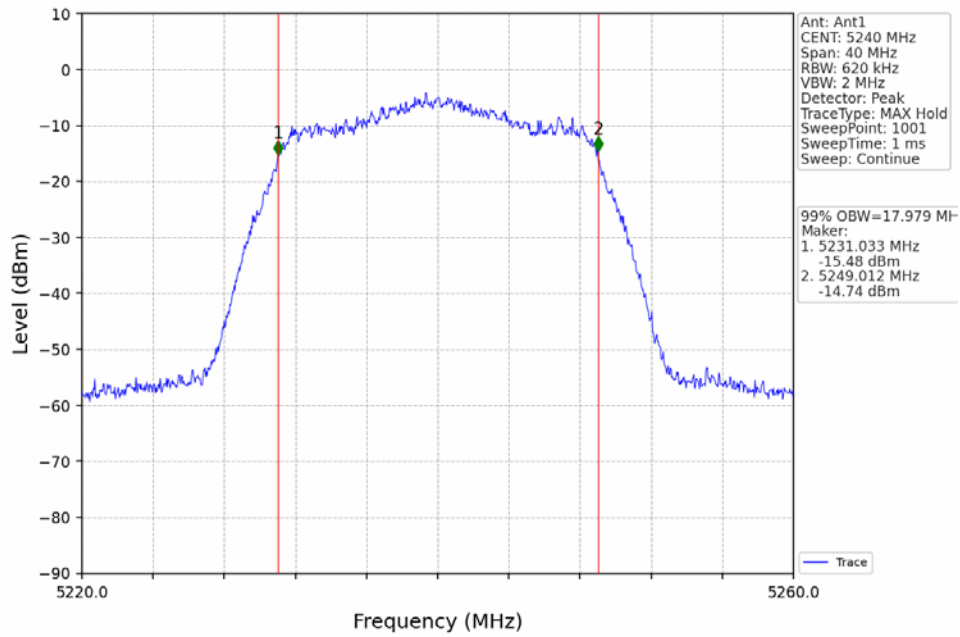
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



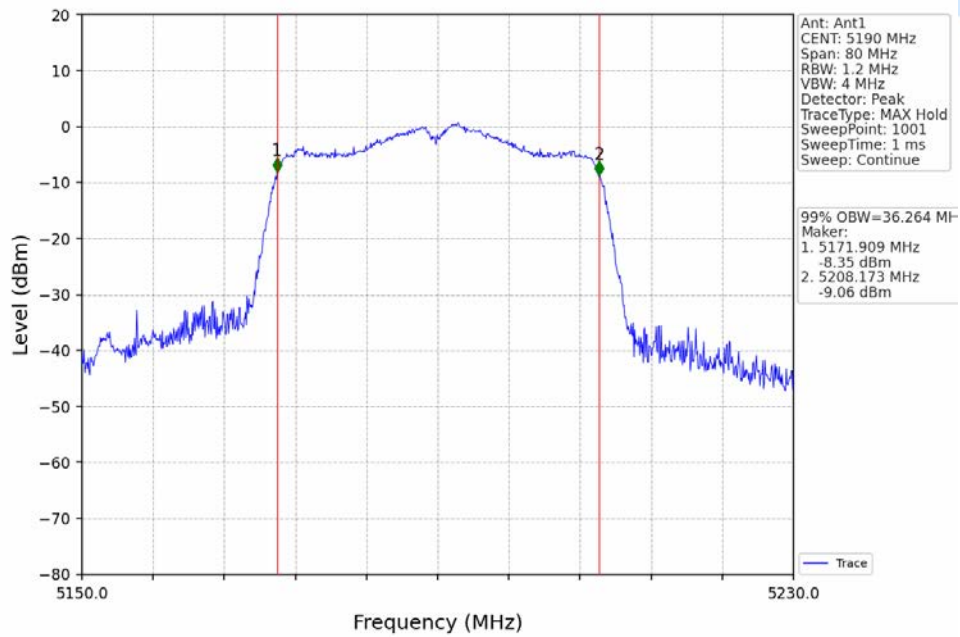
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



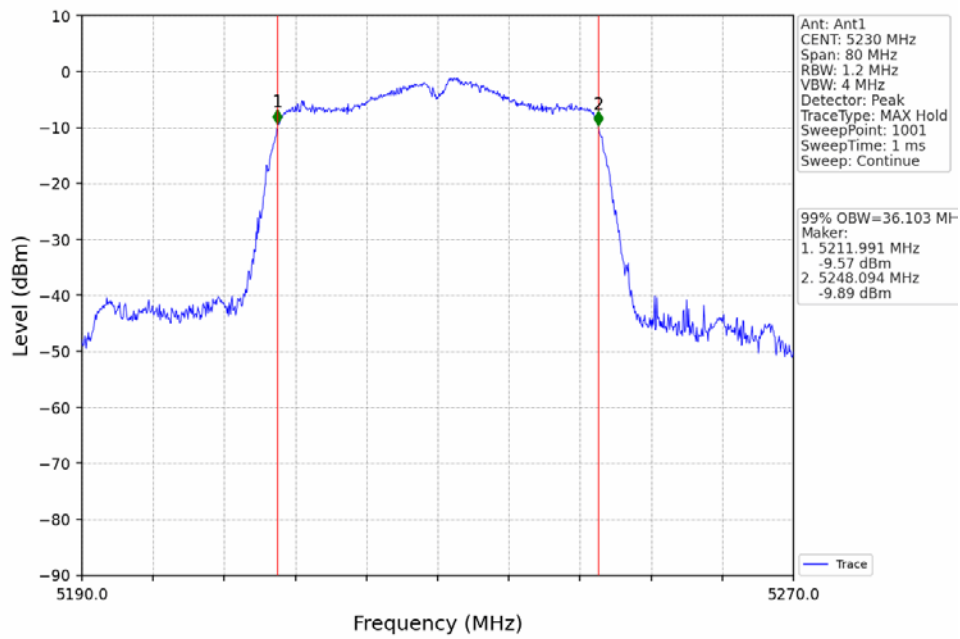
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



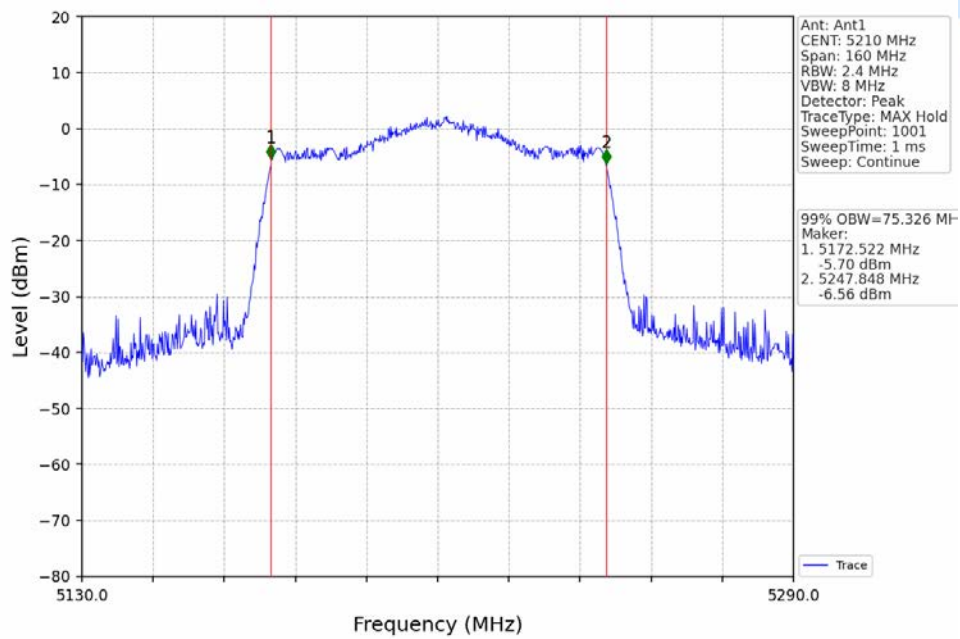
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



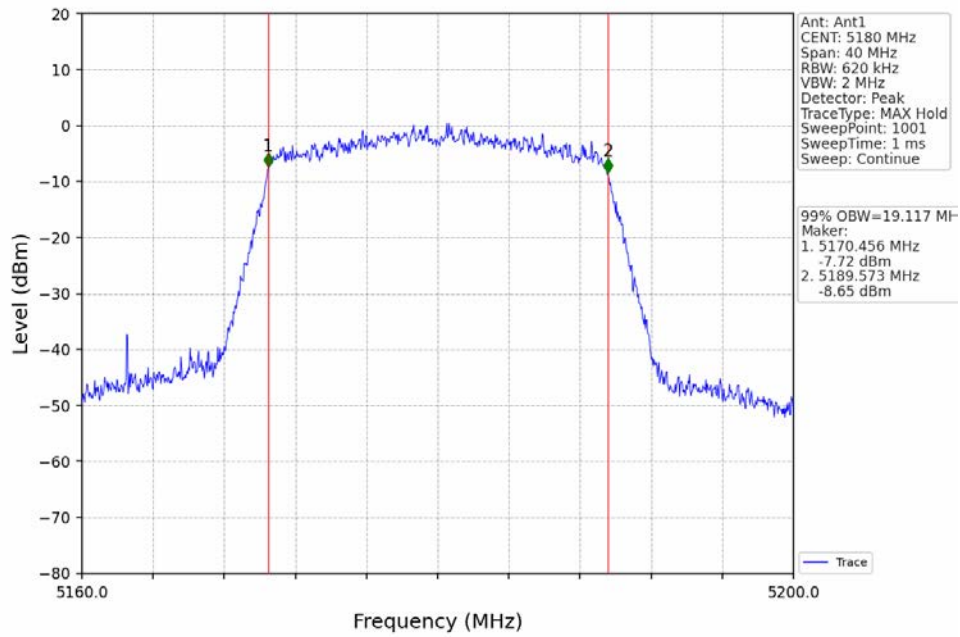
802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



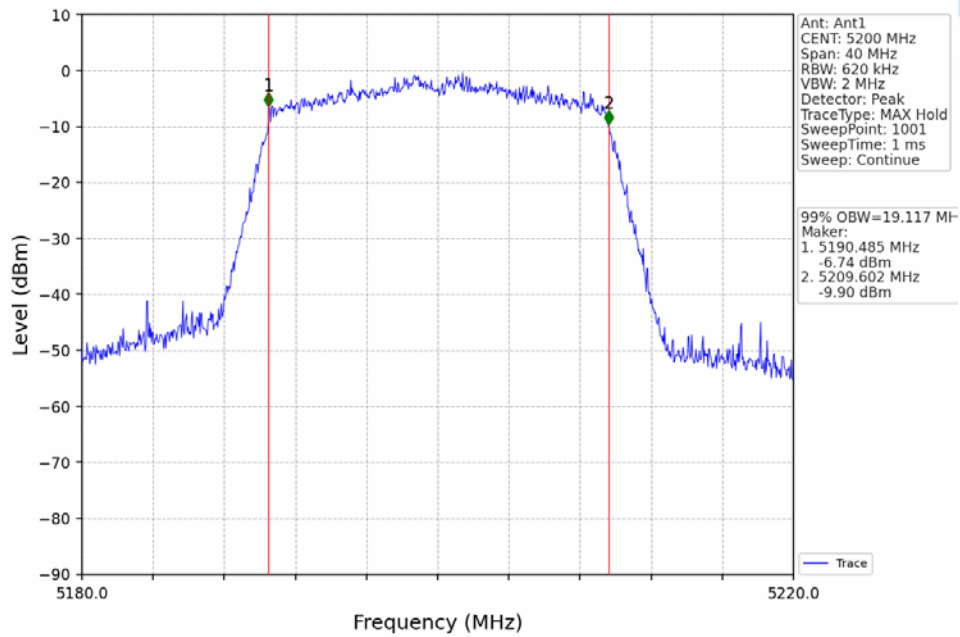
802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



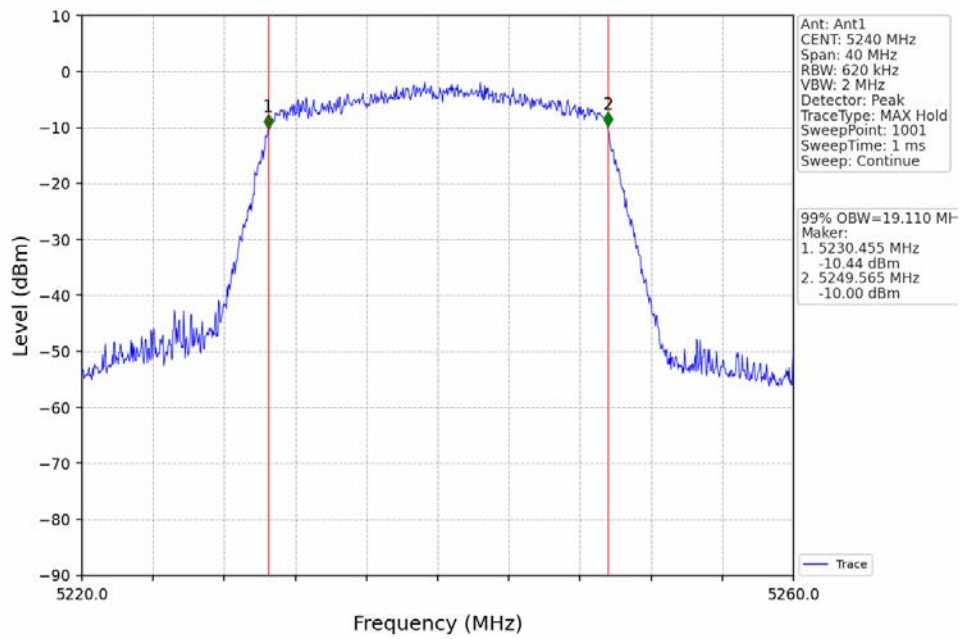
802.11ax(HEW20)_LCH_5180MHz_RU242_Left_Ant1_NTNV



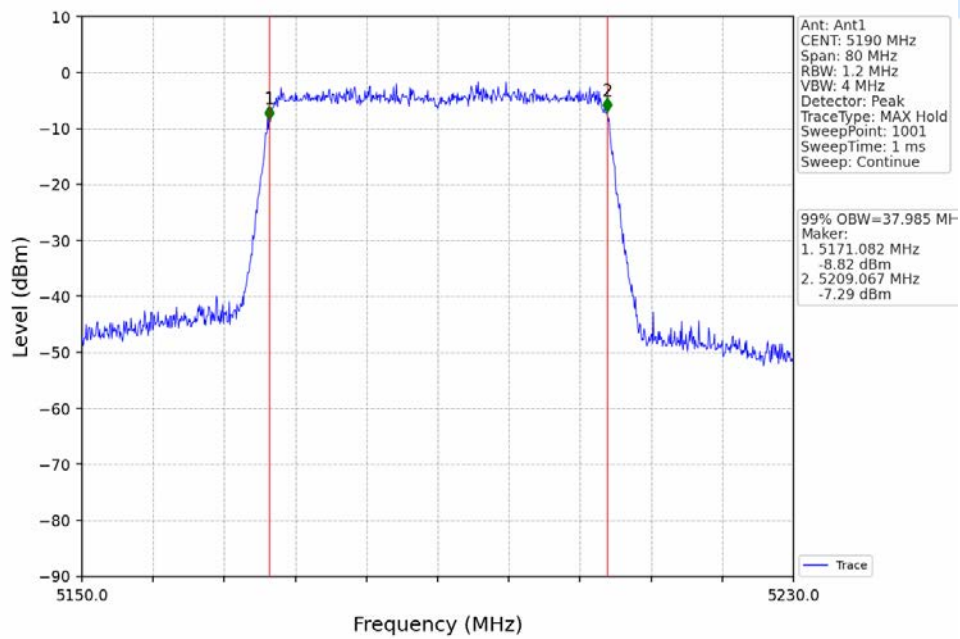
802.11ax(HEW20)_MCH_5200MHz_RU242_Left_Ant1_NTNV



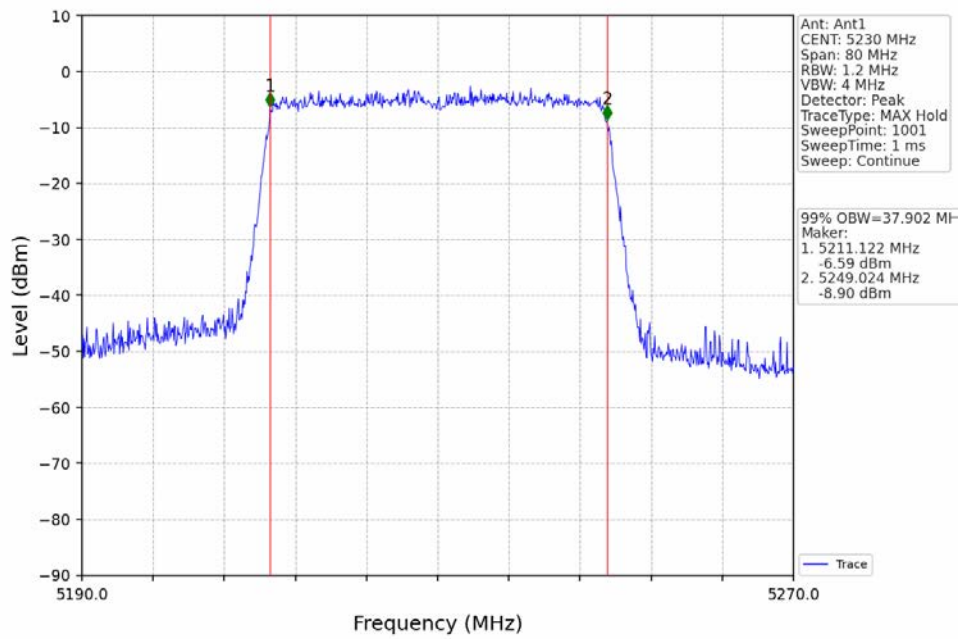
802.11ax(HEW20)_HCH_5240MHz_RU242_Left_Ant1_NTNV



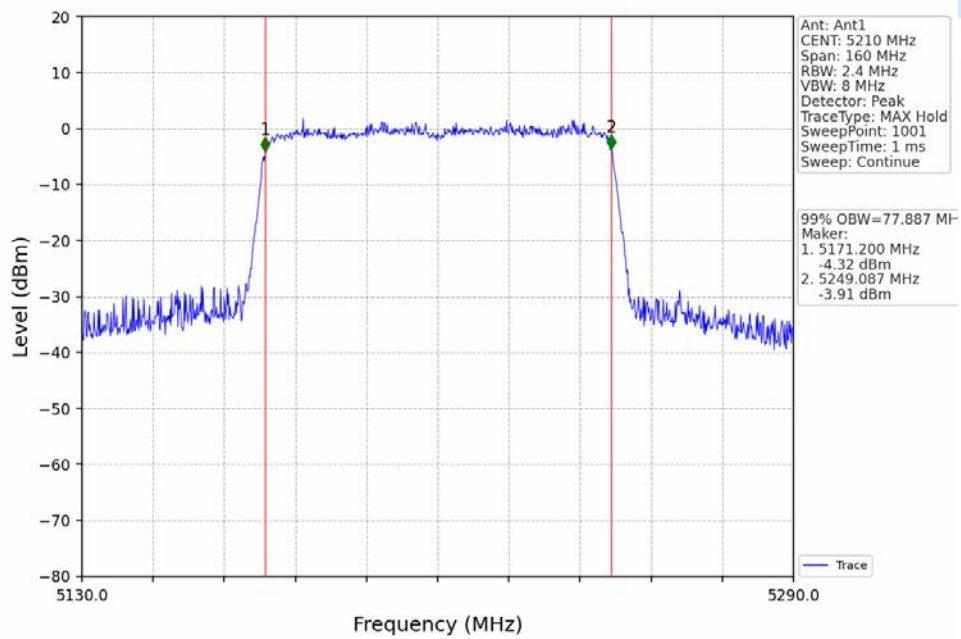
802.11ax(HEW40)_LCH_5190MHz_RU484_Left_Ant1_NTNV



802.11ax(HEW40)_HCH_5230MHz_RU484_Left_Ant1_NTNV



802.11ax(HEW80)_MCH_5210MHz_RU996_Left_Ant1_NTNV

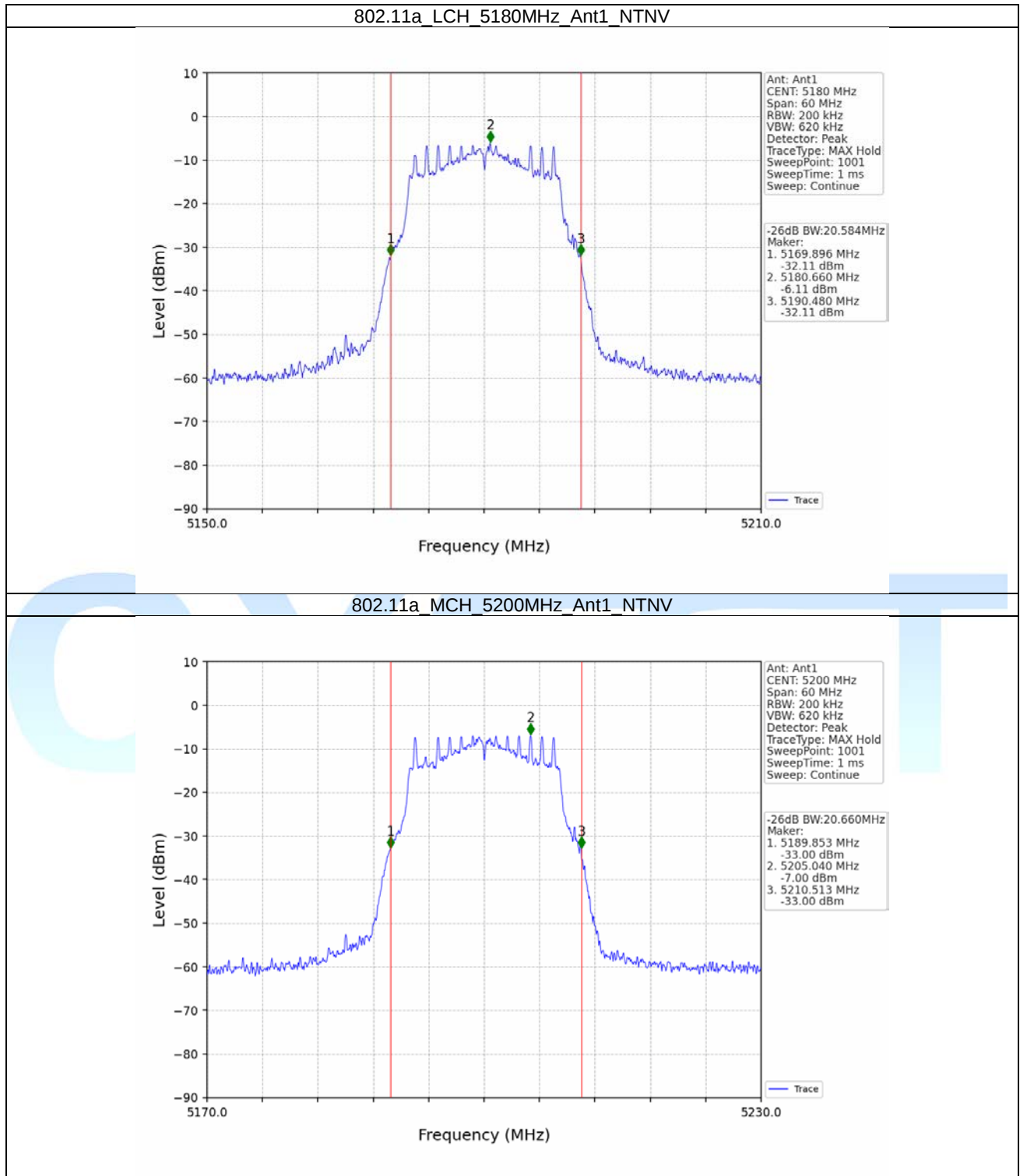


2.2 26dB BW

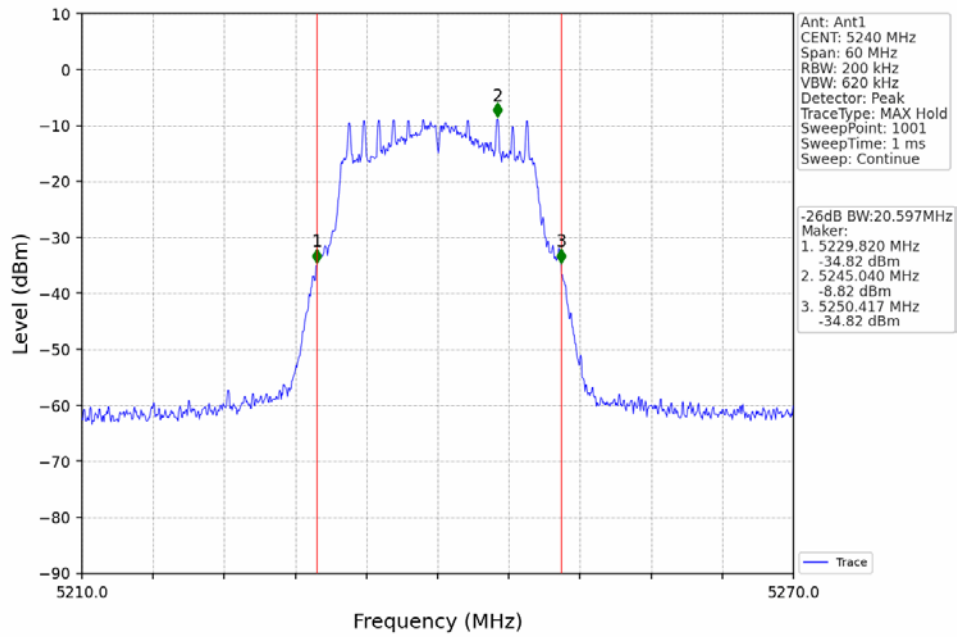
2.2.1 Test Result

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	26dB Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	SISO	5180	/	/	1	20.584	/	Pass
		5200	/	/	1	20.660	/	Pass
		5240	/	/	1	20.597	/	Pass
802.11n (HT20)	MIMO	5180	/	/	1	20.884	/	Pass
		5200	/	/	1	20.614	/	Pass
		5240	/	/	1	20.876	/	Pass
802.11n (HT40)	MIMO	5190	/	/	1	38.888	/	Pass
		5230	/	/	1	38.991	/	Pass
802.11ac (VHT20)	MIMO	5180	/	/	1	20.697	/	Pass
		5200	/	/	1	20.758	/	Pass
		5240	/	/	1	20.765	/	Pass
802.11ac (VHT40)	MIMO	5190	/	/	1	38.910	/	Pass
		5230	/	/	1	39.049	/	Pass
802.11ac (VHT80)	MIMO	5210	/	/	1	80.322	/	Pass
802.11ax (HEW20)	MIMO	5180	RU242	Left	1	20.788	/	Pass
		5200	RU242	Left	1	21.251	/	Pass
		5240	RU242	Left	1	21.167	/	Pass
802.11ax (HEW40)	MIMO	5190	RU484	Left	1	40.061	/	Pass
		5230	RU484	Left	1	40.376	/	Pass
802.11ax (HEW80)	MIMO	5210	RU996	Left	1	81.576	/	Pass

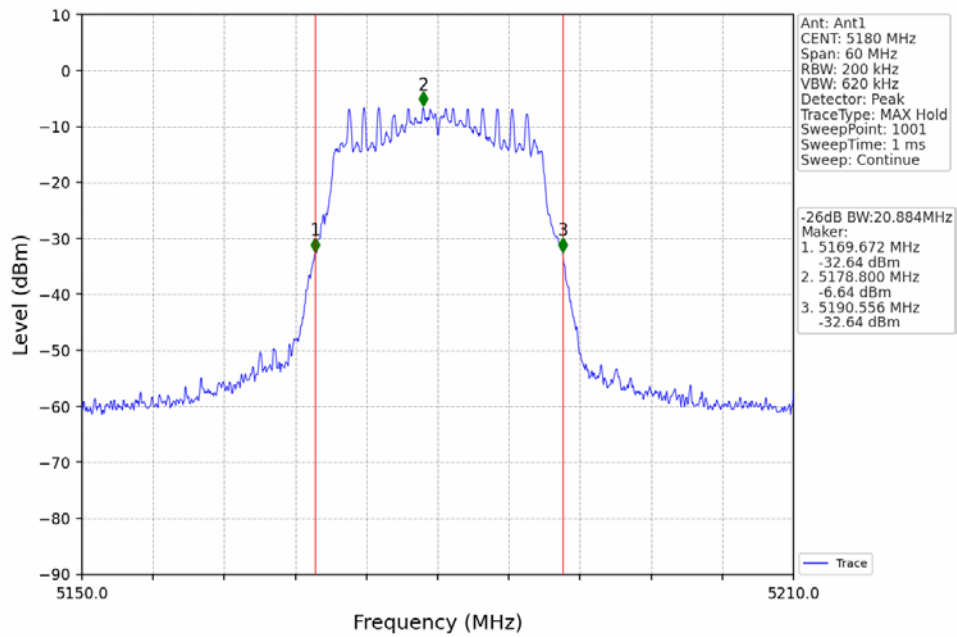
2.2.2 Test Graph



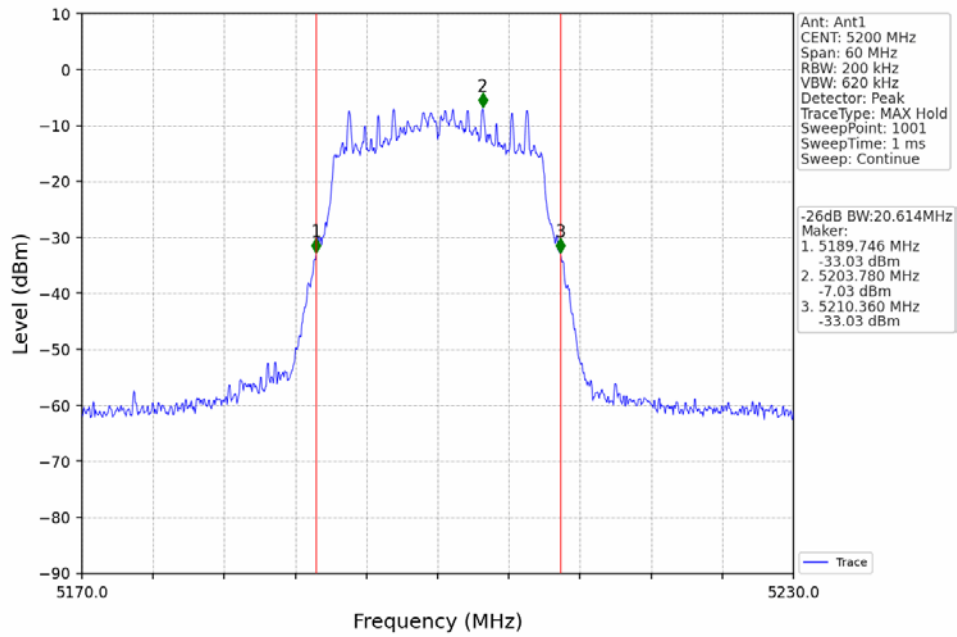
802.11a_HCH_5240MHz_Ant1_NTNV



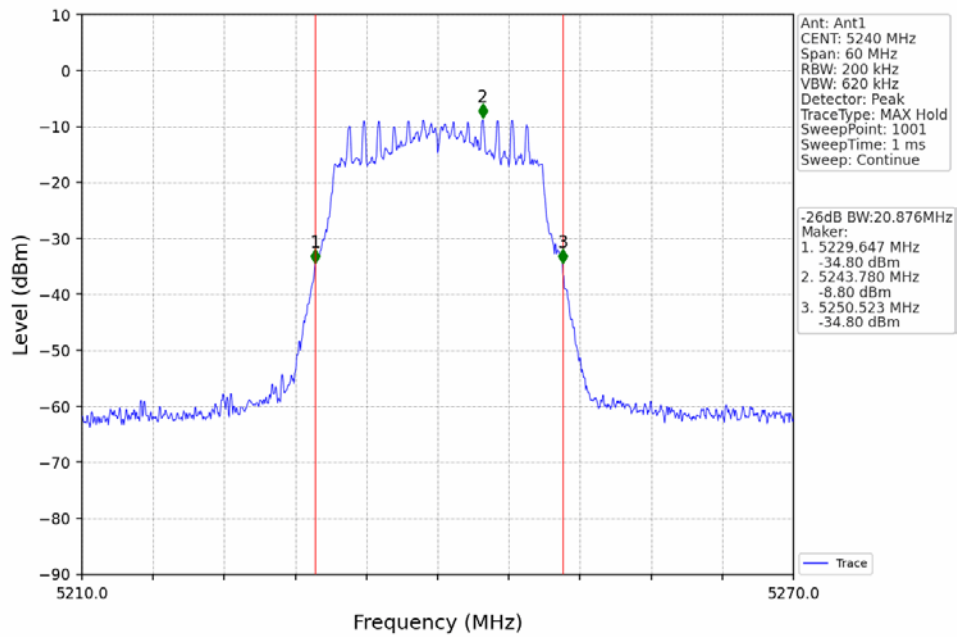
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



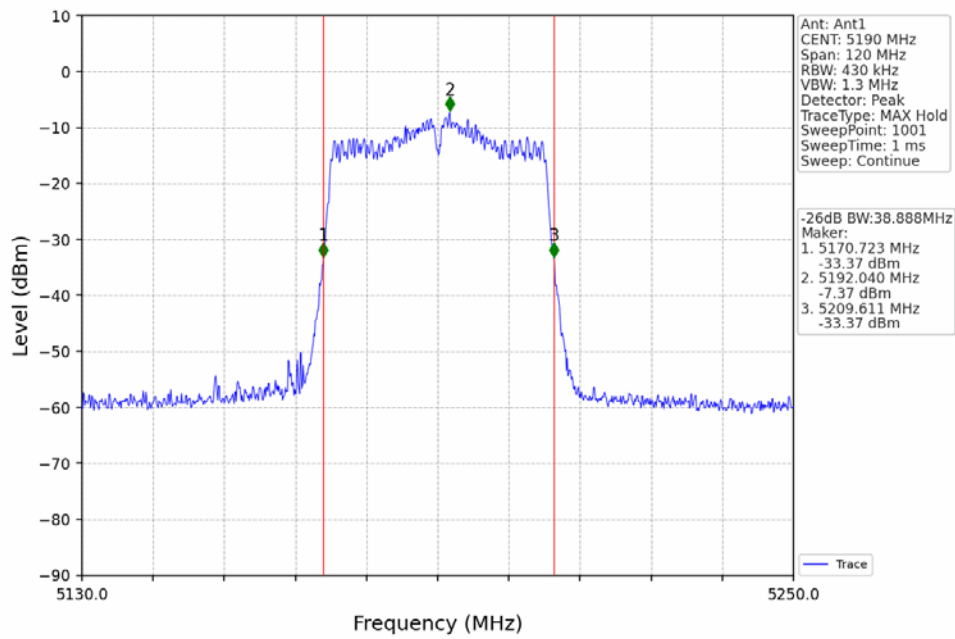
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



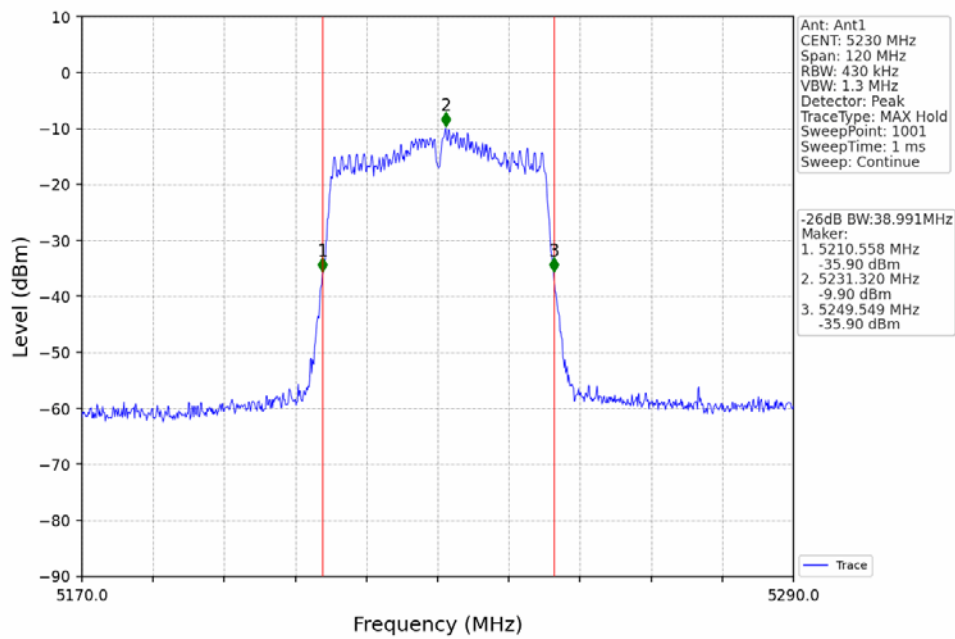
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



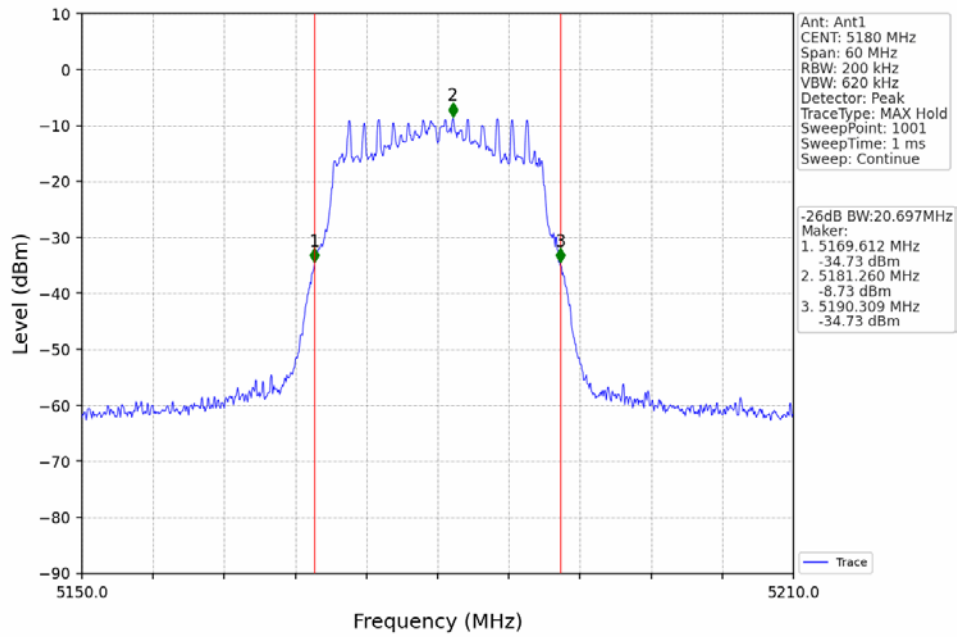
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



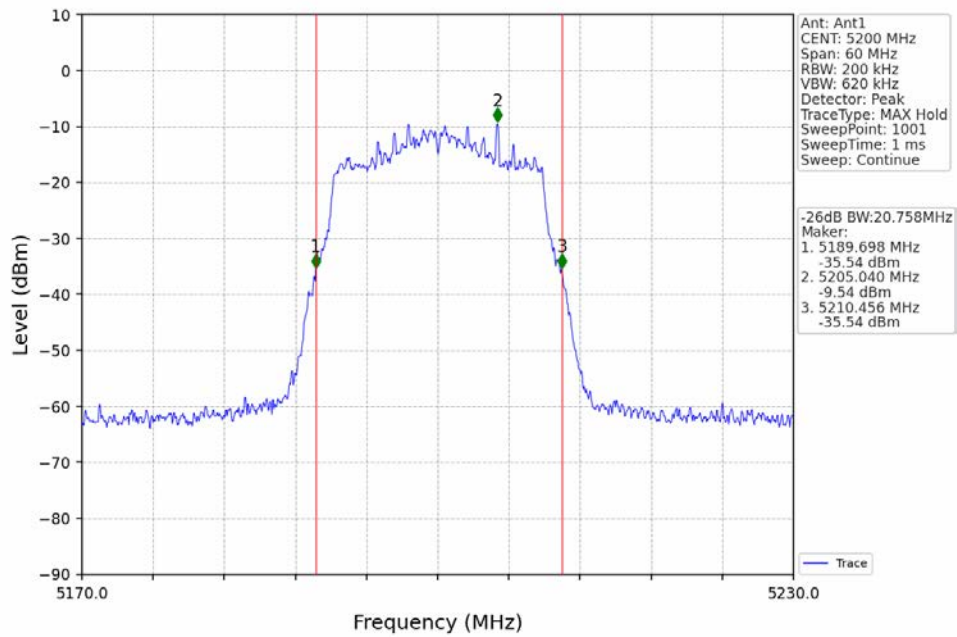
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



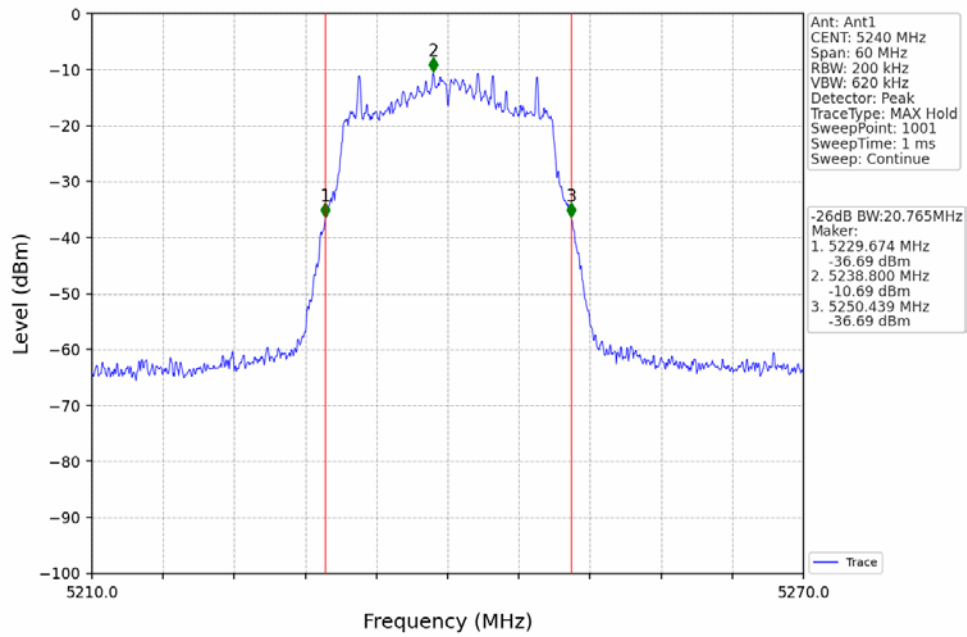
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



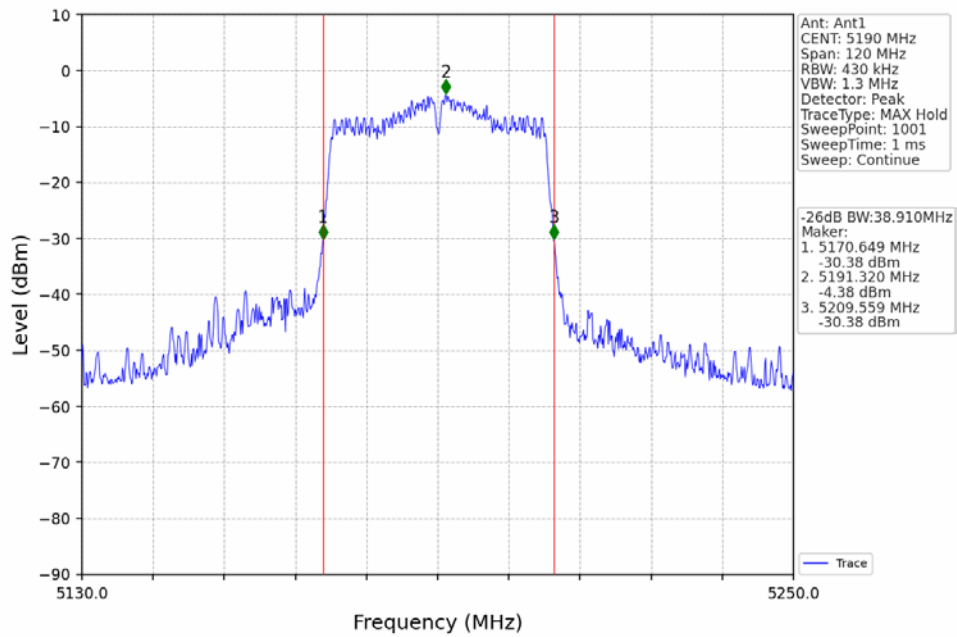
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



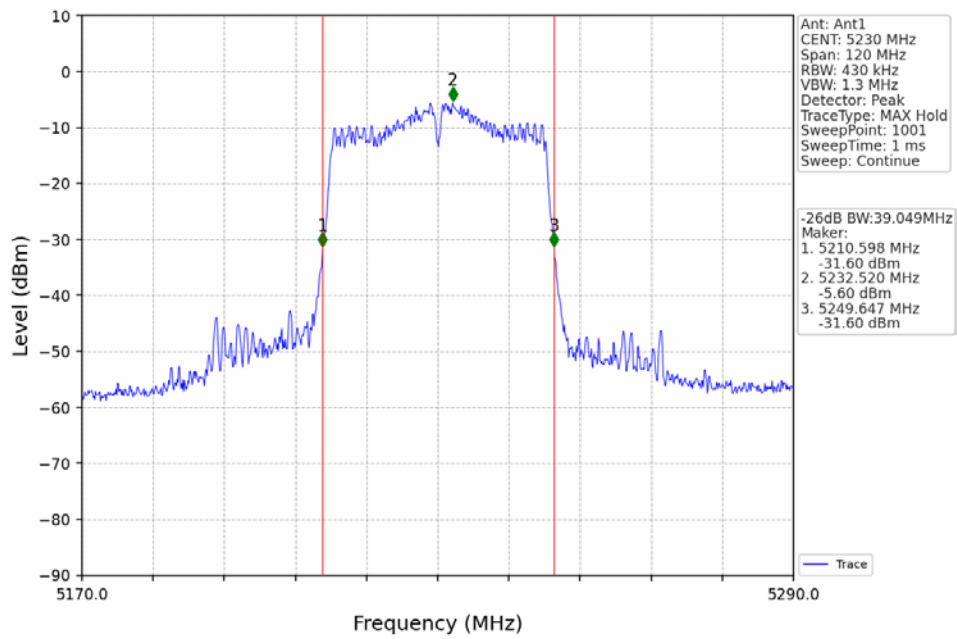
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



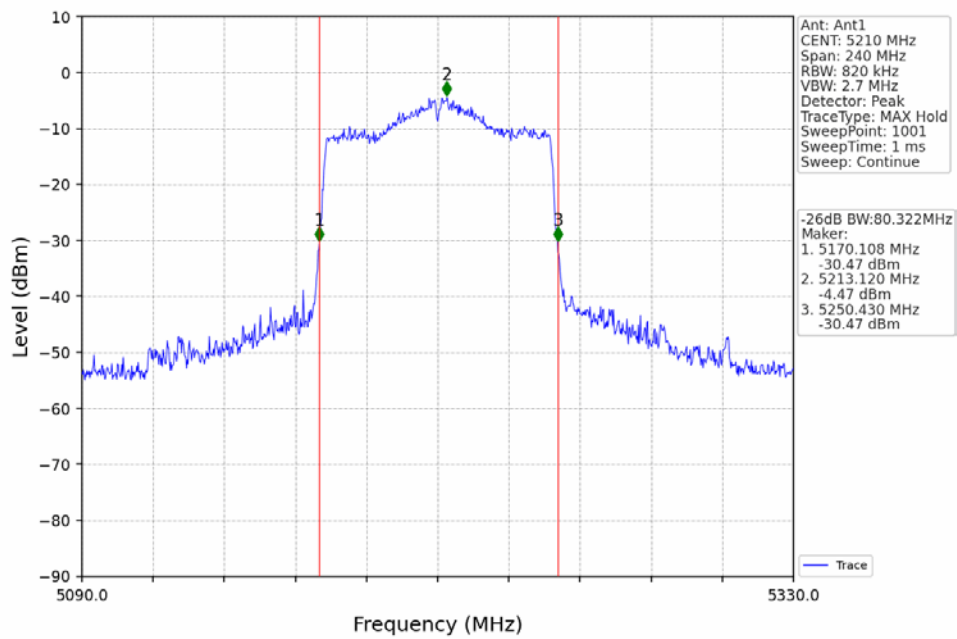
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



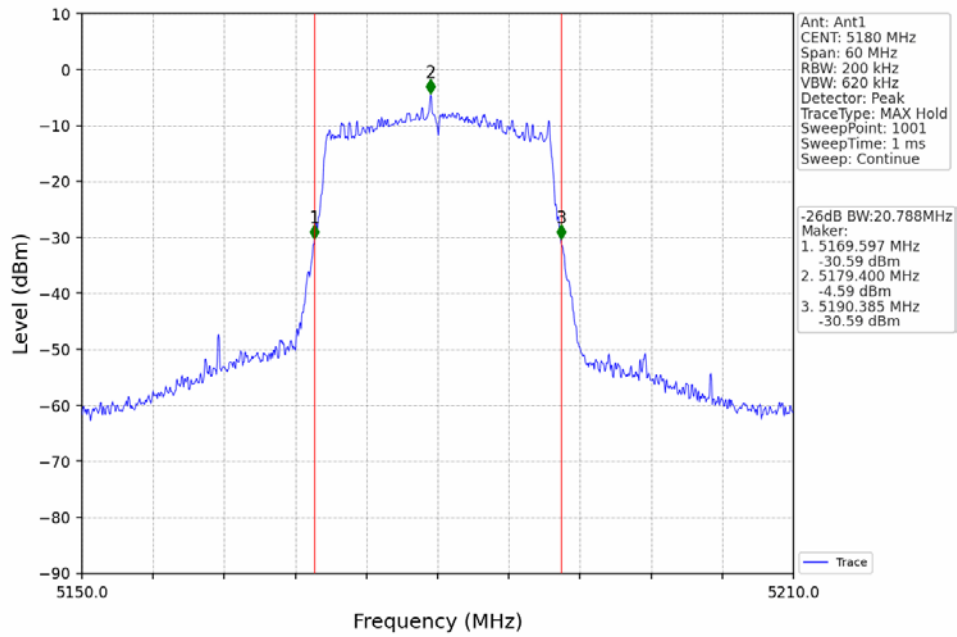
802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



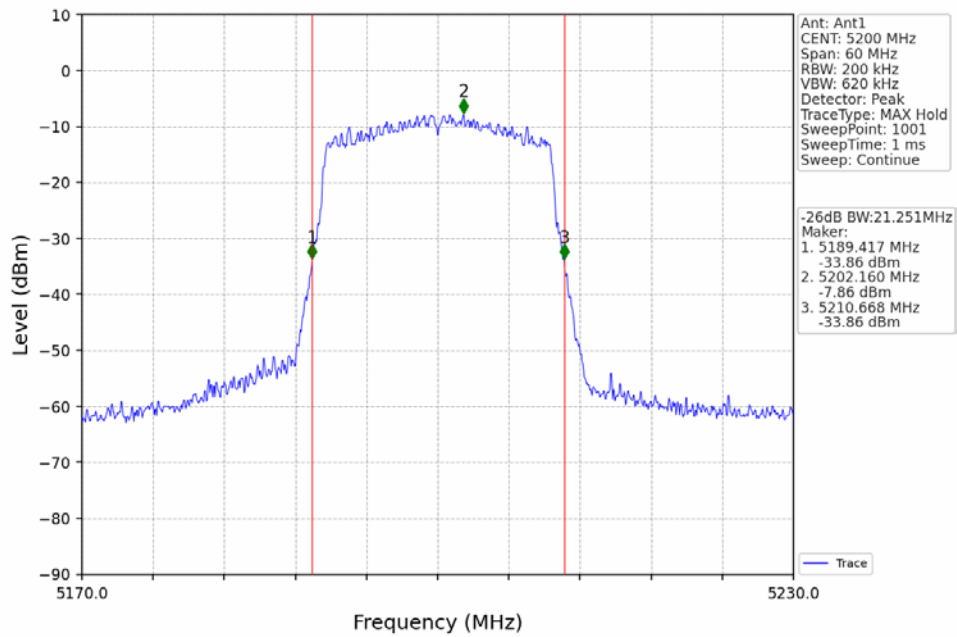
802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



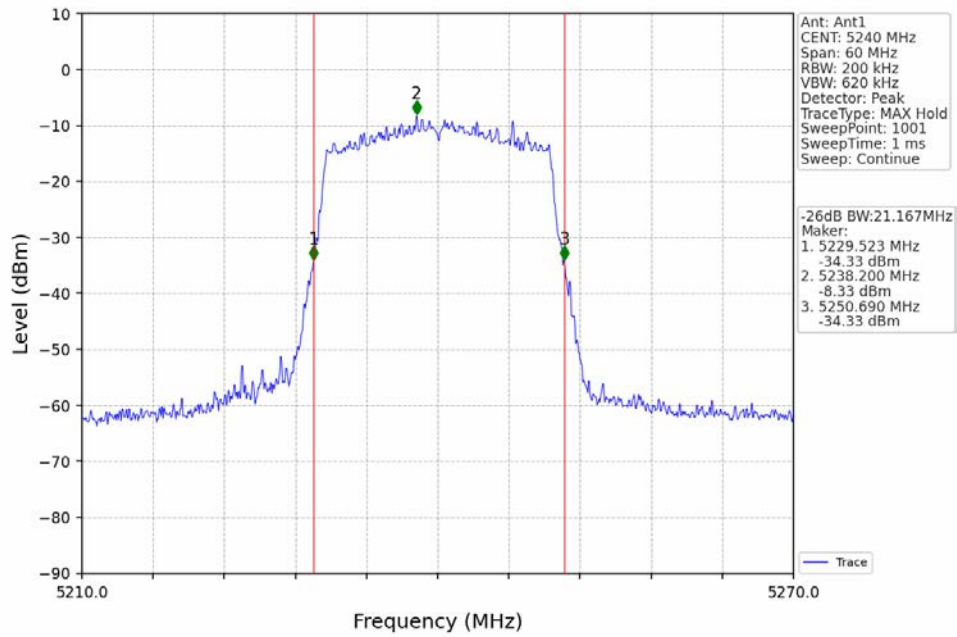
802.11ax(HEW20)_LCH_5180MHz_RU242_Left_Ant1_NTNV



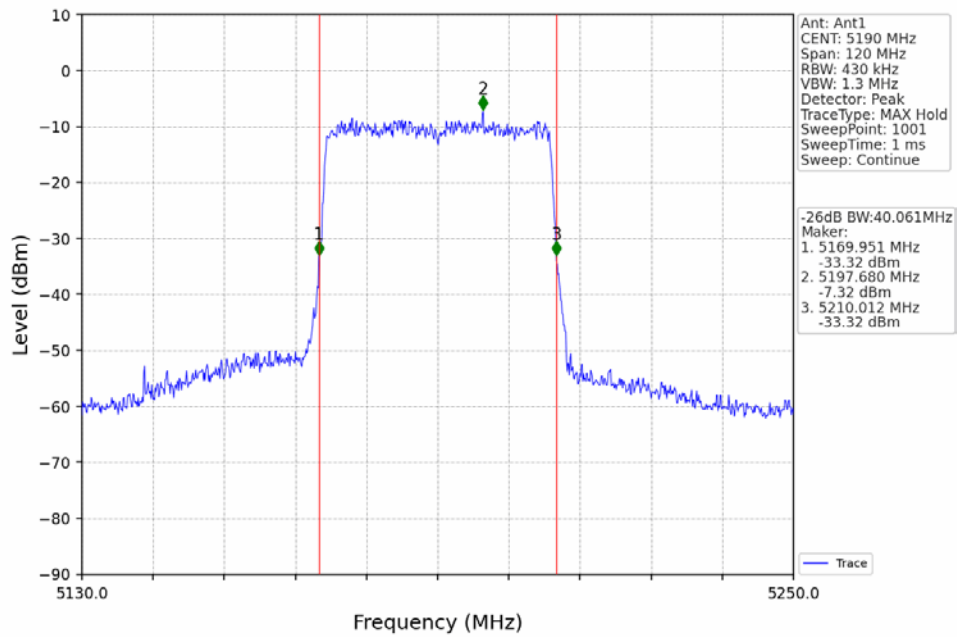
802.11ax(HEW20)_MCH_5200MHz_RU242_Left_Ant1_NTNV



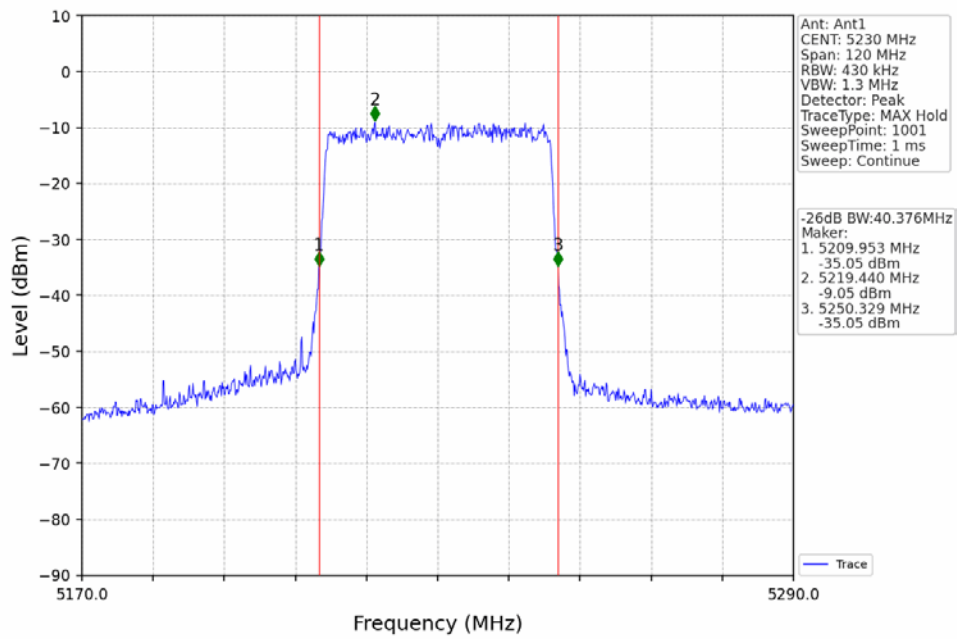
802.11ax(HEW20)_HCH_5240MHz_RU242_Left_Ant1_NTNV



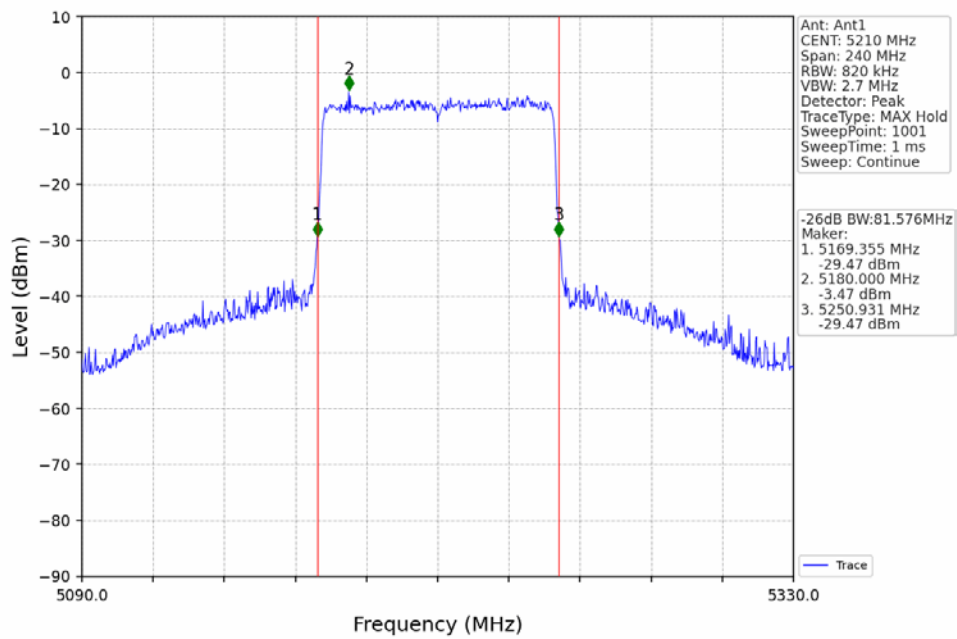
802.11ax(HEW40)_LCH_5190MHz_RU484_Left_Ant1_NTNV



802.11ax(HEW40)_HCH_5230MHz_RU484_Left_Ant1_NTNV



802.11ax(HEW80)_MCH_5210MHz_RU996_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	ANT2	MIMO	Limit	
802.11a	SISO	5180	/	/	1.57	2.85	/	<=23.98	Pass
		5200	/	/	1.25	2.65	/	<=23.98	Pass
		5240	/	/	-0.49	0.85	/	<=23.98	Pass
802.11n (HT20)	MIMO	5180	/	/	1.44	3.02	5.31	<=23.98	Pass
		5200	/	/	1.08	2.07	4.61	<=23.98	Pass
		5240	/	/	-0.51	0.87	3.24	<=23.98	Pass
802.11n (HT40)	MIMO	5190	/	/	-1.05	0.48	2.79	<=23.98	Pass
		5230	/	/	-3.18	-3.12	-0.14	<=23.98	Pass
802.11ac (VHT20)	MIMO	5180	/	/	-0.58	1.14	3.37	<=23.98	Pass
		5200	/	/	-1.38	0.35	2.58	<=23.98	Pass
		5240	/	/	-2.36	-0.84	1.48	<=23.98	Pass
802.11ac (VHT40)	MIMO	5190	/	/	2.68	4.52	6.71	<=23.98	Pass
		5230	/	/	1.13	2.97	5.16	<=23.98	Pass
802.11ac (VHT80)	MIMO	5210	/	/	2.31	3.81	6.13	<=23.98	Pass
802.11ax (HEW20)	MIMO	5180	RU242	Left	2.06	3.73	5.99	<=23.98	Pass
		5200	RU242	Left	1.06	3.00	5.15	<=23.98	Pass
		5240	RU242	Left	-0.09	1.49	3.78	<=23.98	Pass
802.11ax (HEW40)	MIMO	5190	RU484	Left	0.62	2.45	4.64	<=23.98	Pass
		5230	RU484	Left	-0.43	1.07	3.39	<=23.98	Pass
802.11ax (HEW80)	MIMO	5210	RU996	Left	0.10	1.32	3.76	<=23.98	Pass
Note1: Antenna Gain: Ant1: 2.09dBi; Ant2: 1.56dBi; Note2: Directional Gain: Uncorrelated(Directional Gain = 4.84dBi)									

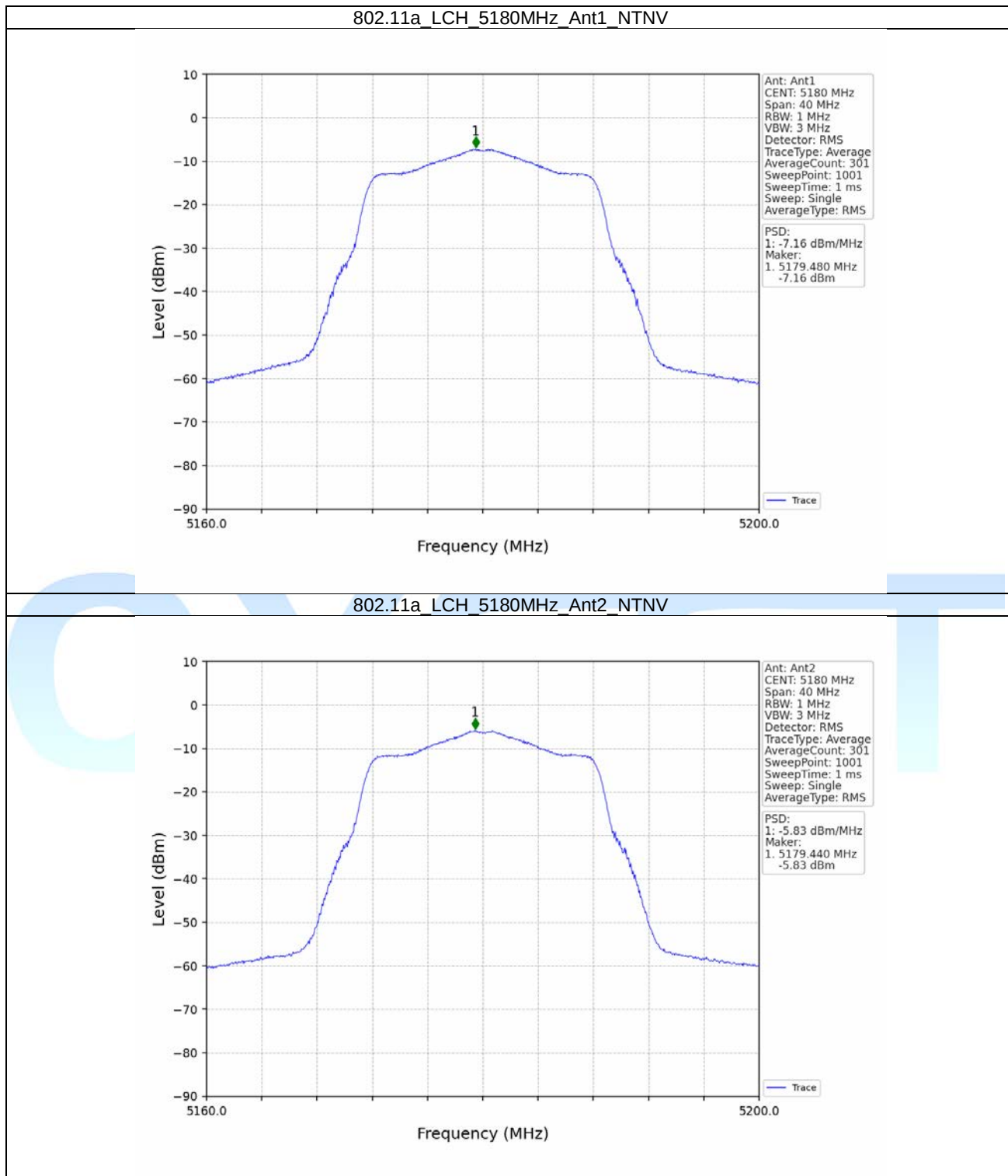
4. Maximum Power Spectral Density

4.1 PSD

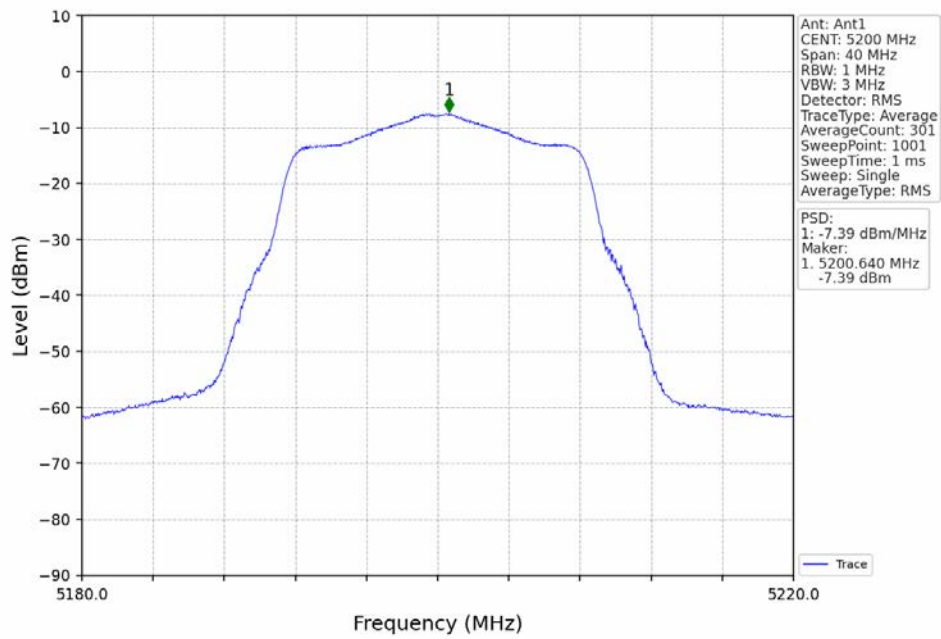
4.1.1 Test Result

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum PSD (dBm/MHz)				Verdict
					ANT1	ANT2	MIMO	Limit	
802.11a	SISO	5180	/	/	-7.16	-5.83	/	<=11	Pass
		5200	/	/	-7.39	-6.08	/	<=11	Pass
		5240	/	/	-9.15	-7.99	/	<=11	Pass
802.11n (HT20)	MIMO	5180	/	/	-7.59	-5.82	-3.68	<=11	Pass
		5200	/	/	-7.77	-6.88	-4.34	<=11	Pass
		5240	/	/	-9.34	-8.10	-5.69	<=11	Pass
802.11n (HT40)	MIMO	5190	/	/	-12.57	-10.82	-8.69	<=11	Pass
		5230	/	/	-14.63	-14.60	-11.64	<=11	Pass
802.11ac (VHT20)	MIMO	5180	/	/	-9.27	-7.71	-5.44	<=11	Pass
		5200	/	/	-10.22	-8.53	-6.29	<=11	Pass
		5240	/	/	-11.33	-9.73	-7.52	<=11	Pass
802.11ac (VHT40)	MIMO	5190	/	/	-8.88	-6.79	-4.71	<=11	Pass
		5230	/	/	-10.29	-8.53	-6.35	<=11	Pass
802.11ac (VHT80)	MIMO	5210	/	/	-11.68	-9.95	-7.72	<=11	Pass
802.11ax (HEW20)	MIMO	5180	RU242	Left	-8.34	-6.60	-4.38	<=11	Pass
		5200	RU242	Left	-9.41	-7.28	-5.34	<=11	Pass
		5240	RU242	Left	-10.45	-8.95	-6.68	<=11	Pass
802.11ax (HEW40)	MIMO	5190	RU484	Left	-14.22	-12.22	-10.31	<=11	Pass
		5230	RU484	Left	-15.26	-13.70	-11.55	<=11	Pass
802.11ax (HEW80)	MIMO	5210	RU996	Left	-17.61	-16.29	-13.95	<=11	Pass
Note1: Antenna Gain: Ant1: 2.09dBi; Ant2: 1.56dBi; Note2: Directional Gain: Uncorrelated(Directional Gain = 4.84dBi)									

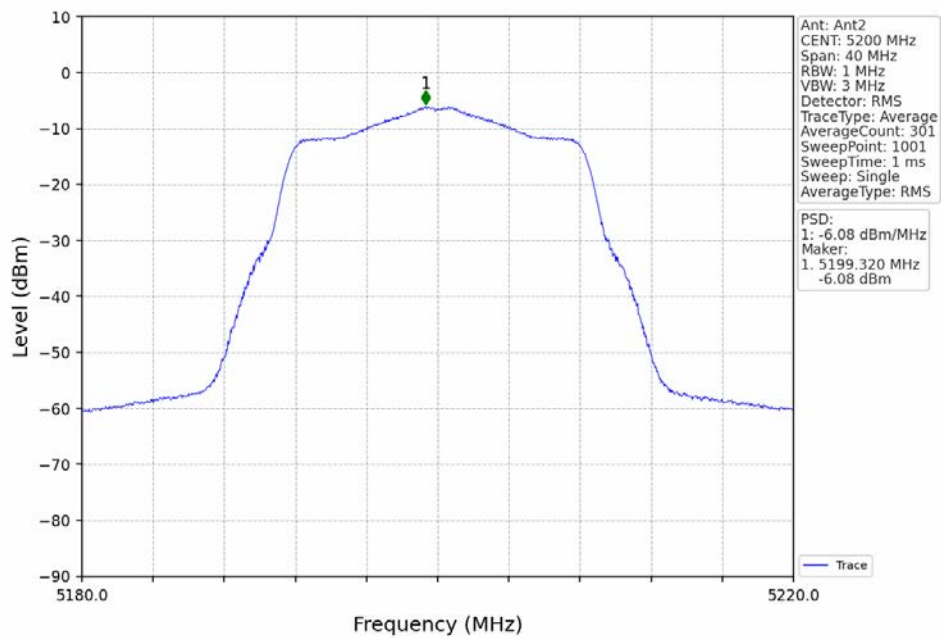
4.1.2 Test Graph



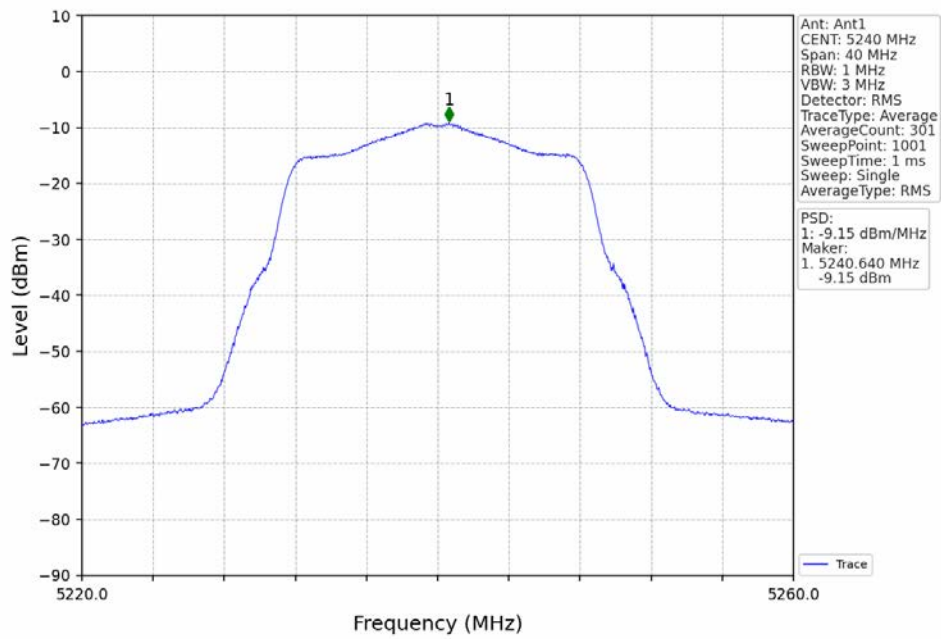
802.11a_MCH_5200MHz_Ant1_NTNV



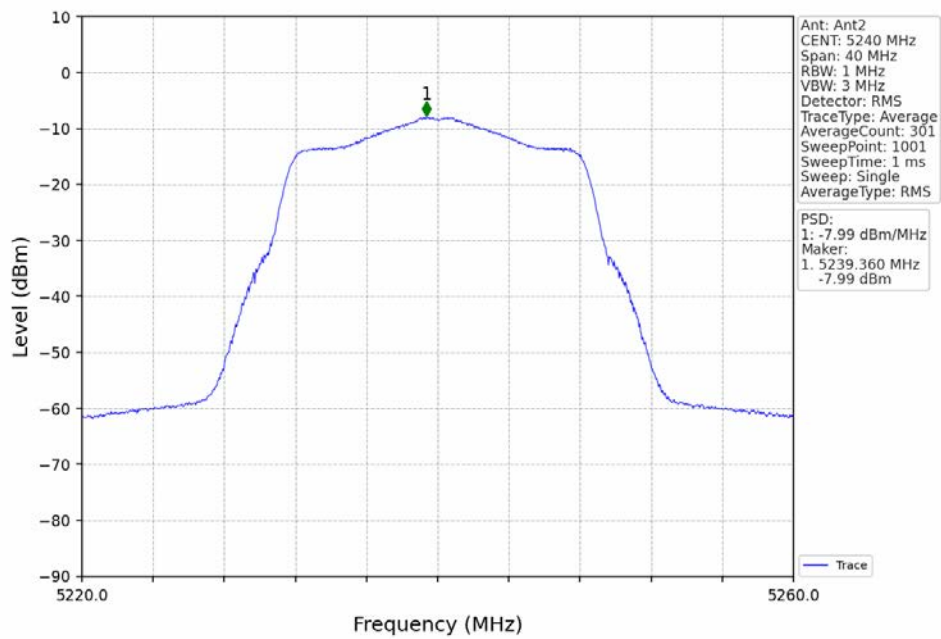
802.11a_MCH_5200MHz_Ant2_NTNV



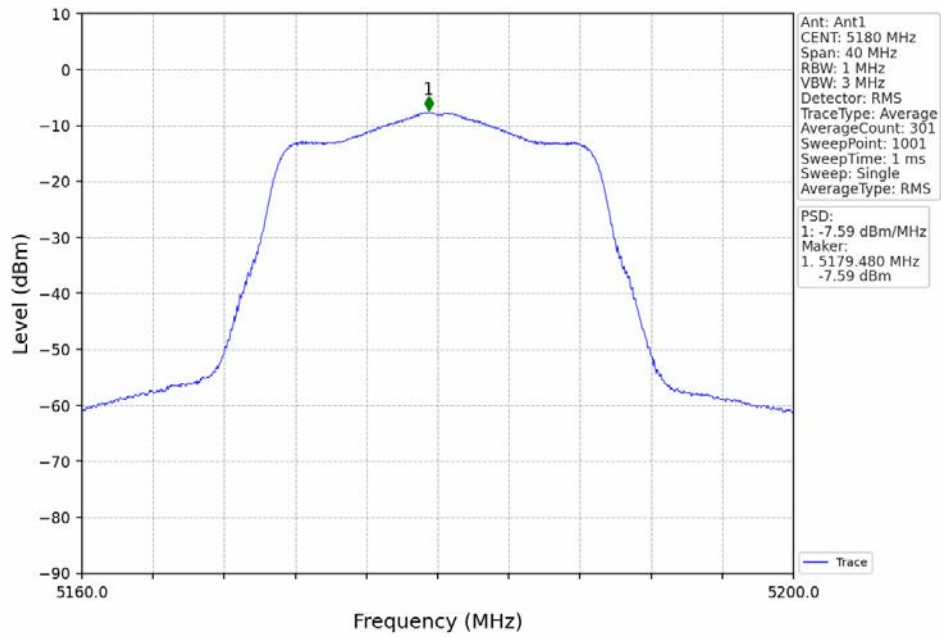
802.11a_HCH_5240MHz_Ant1_NTNV



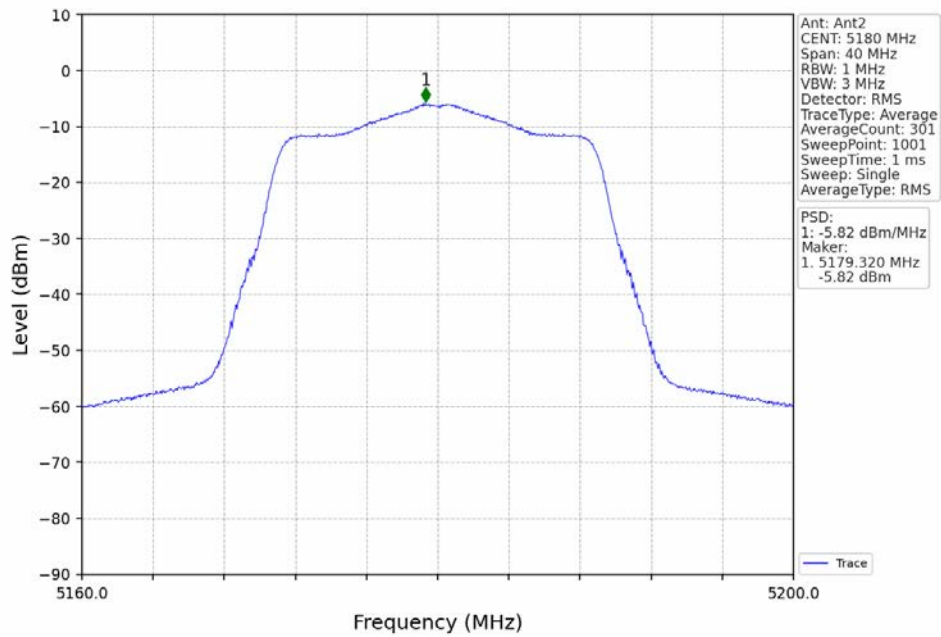
802.11a_HCH_5240MHz_Ant2_NTNV



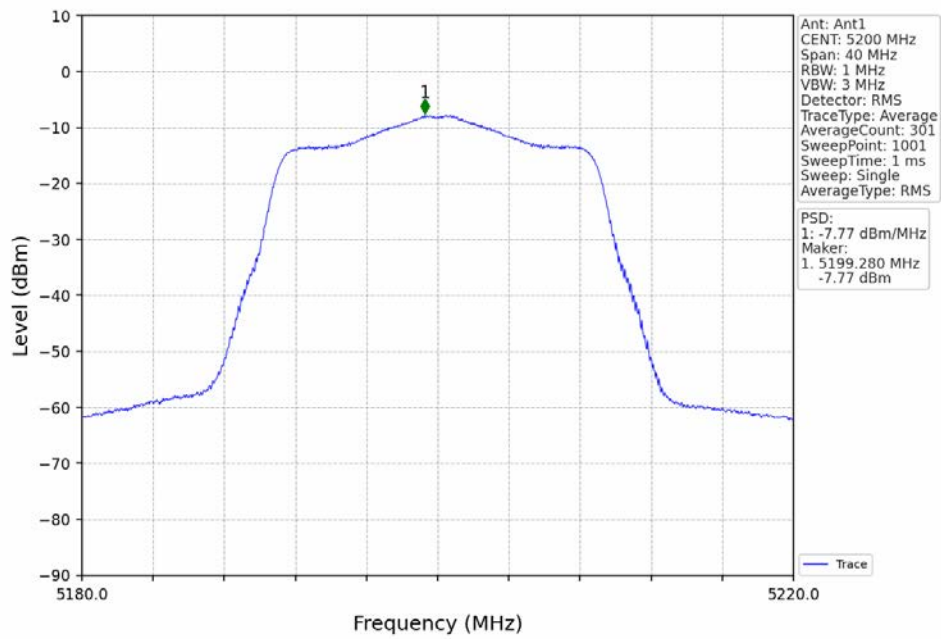
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



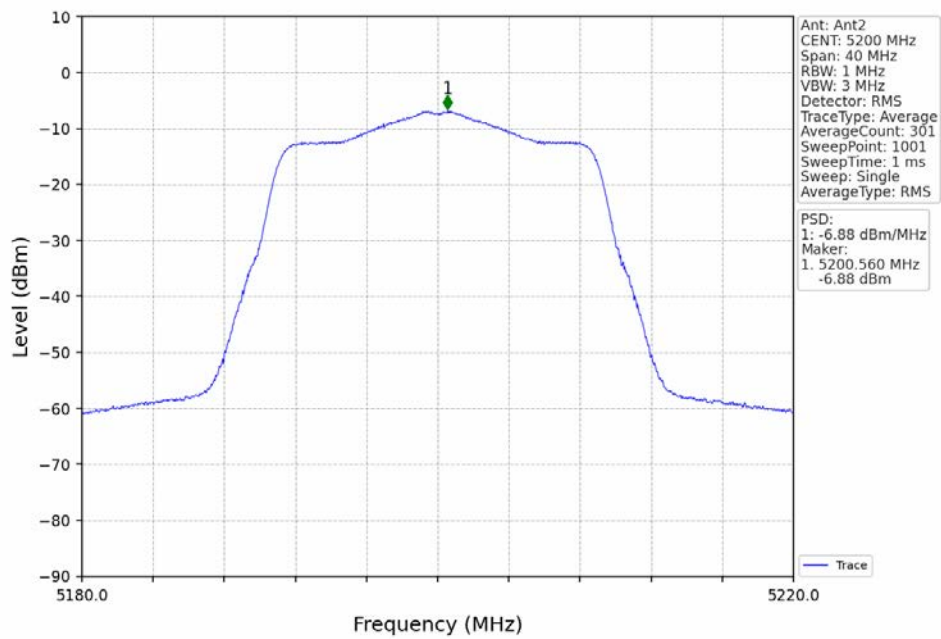
802.11n(HT20)_LCH_5180MHz_Ant2_NTNV



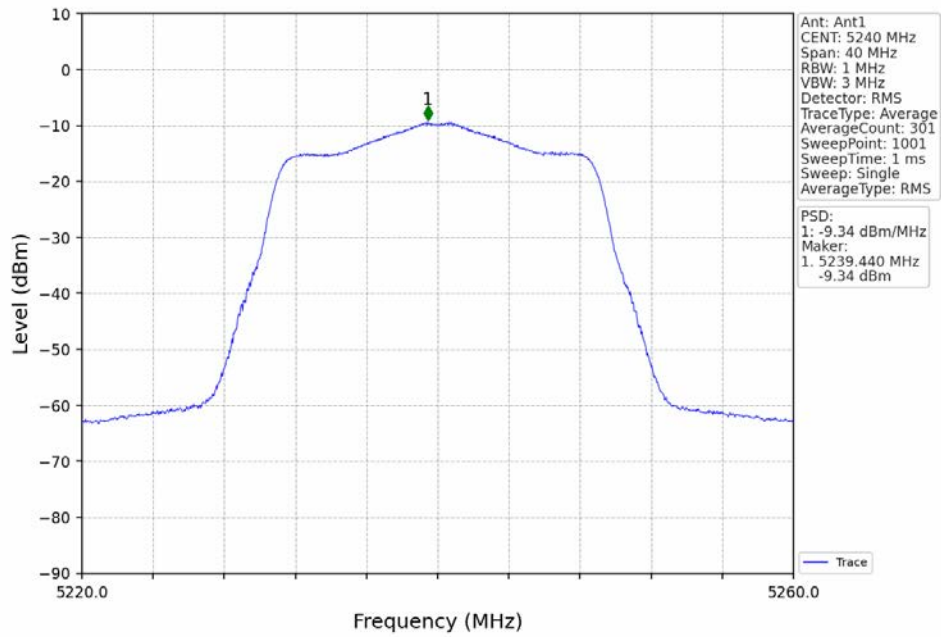
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



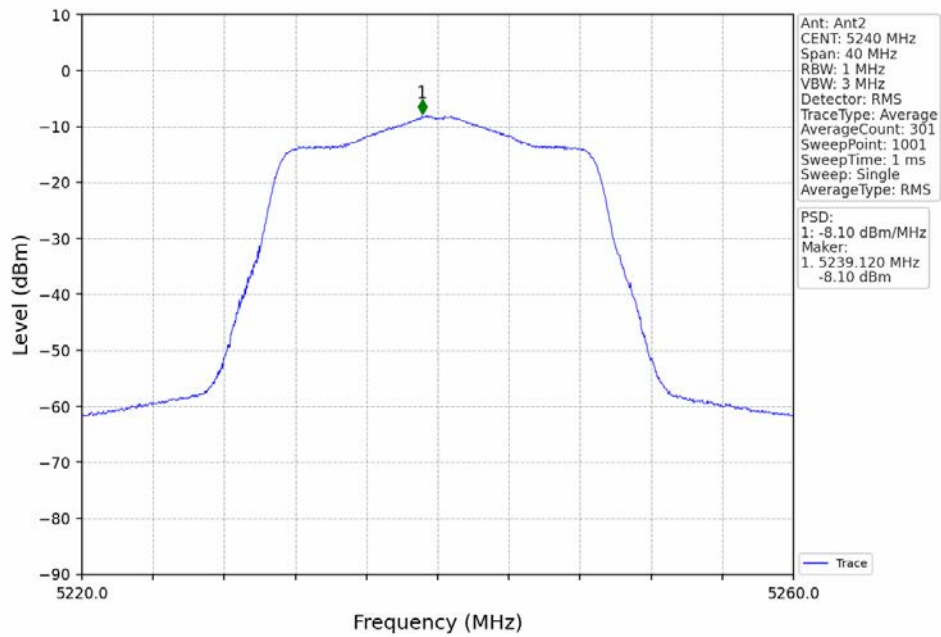
802.11n(HT20)_MCH_5200MHz_Ant2_NTNV



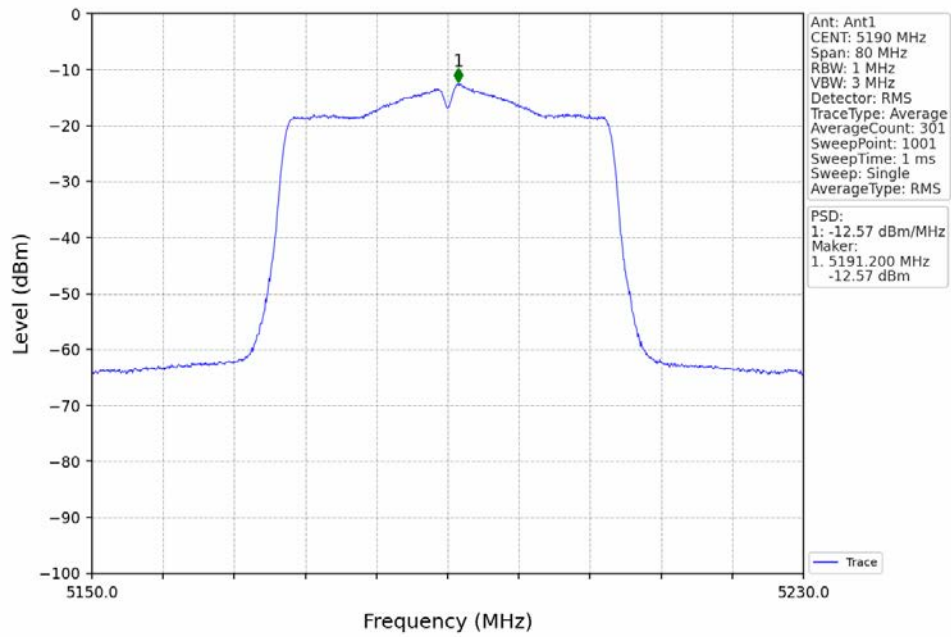
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



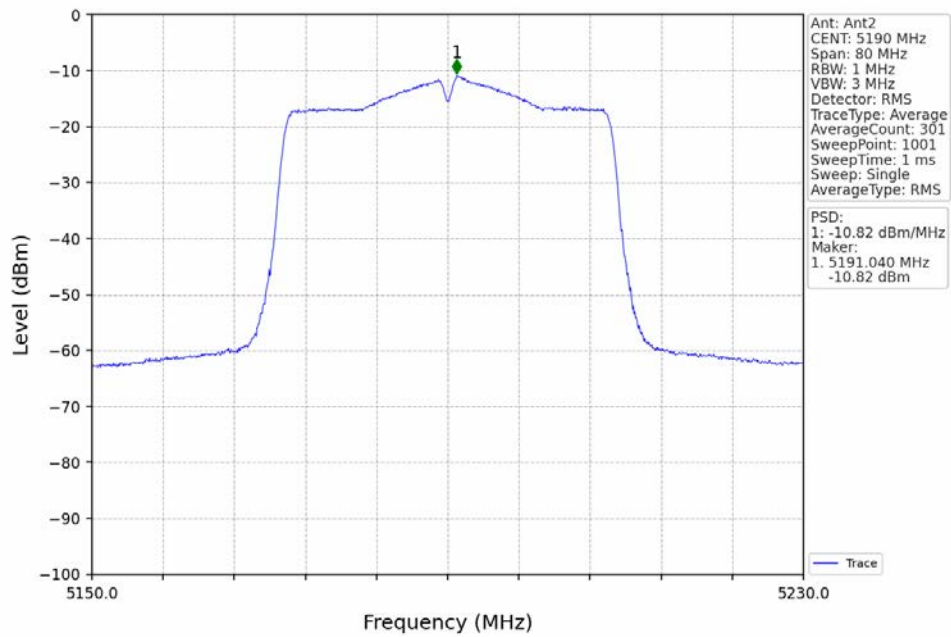
802.11n(HT20)_HCH_5240MHz_Ant2_NTNV



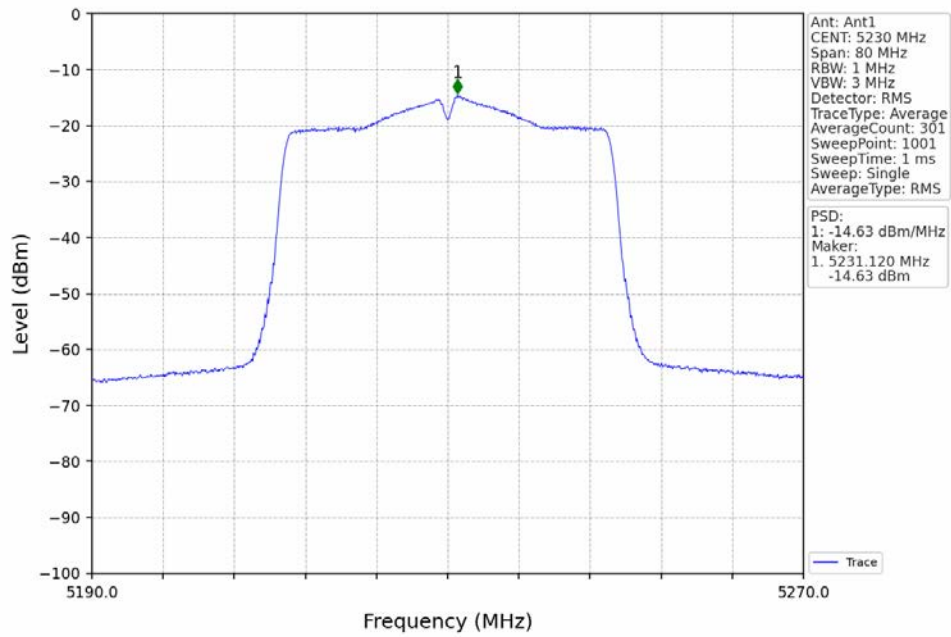
802.11n(HT40) LCH_5190MHz_Ant1_NTNV



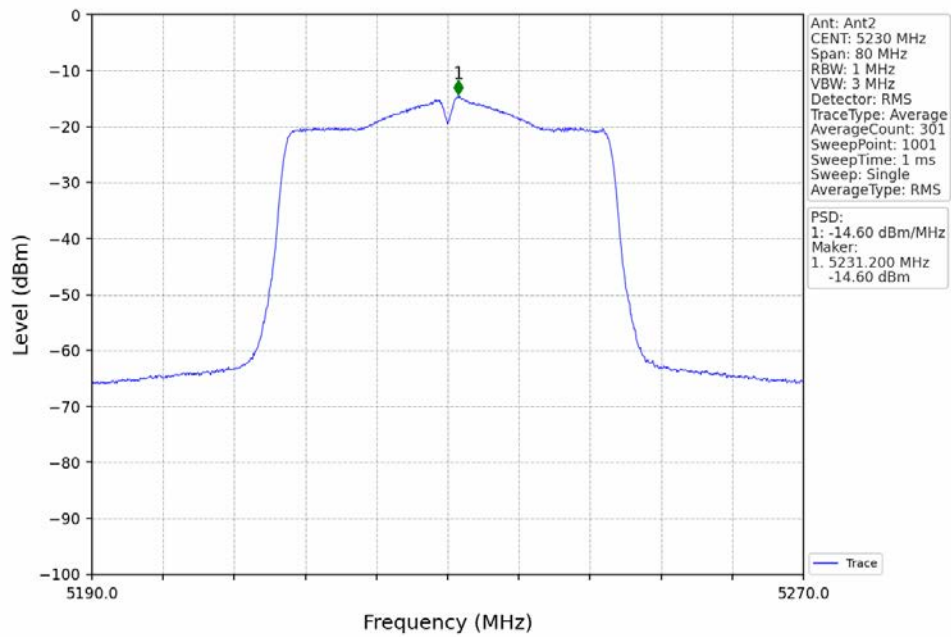
802.11n(HT40) LCH_5190MHz_Ant2_NTNV



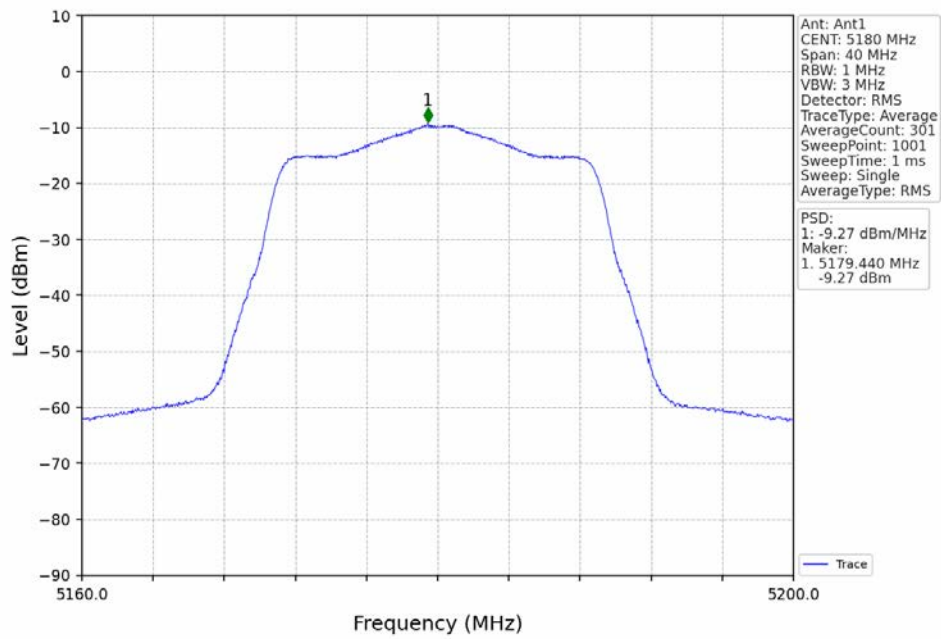
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



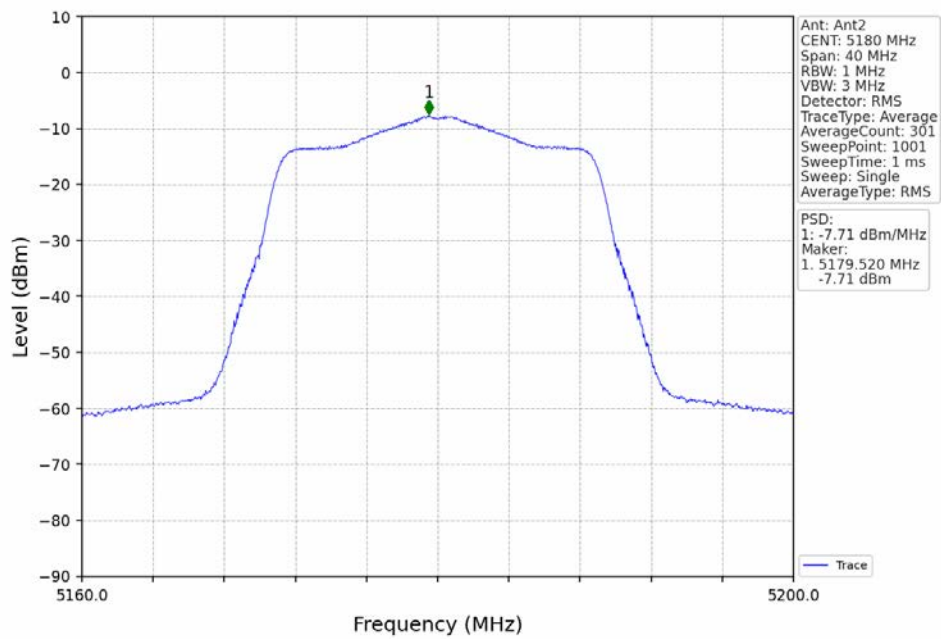
802.11n(HT40)_HCH_5230MHz_Ant2_NTNV



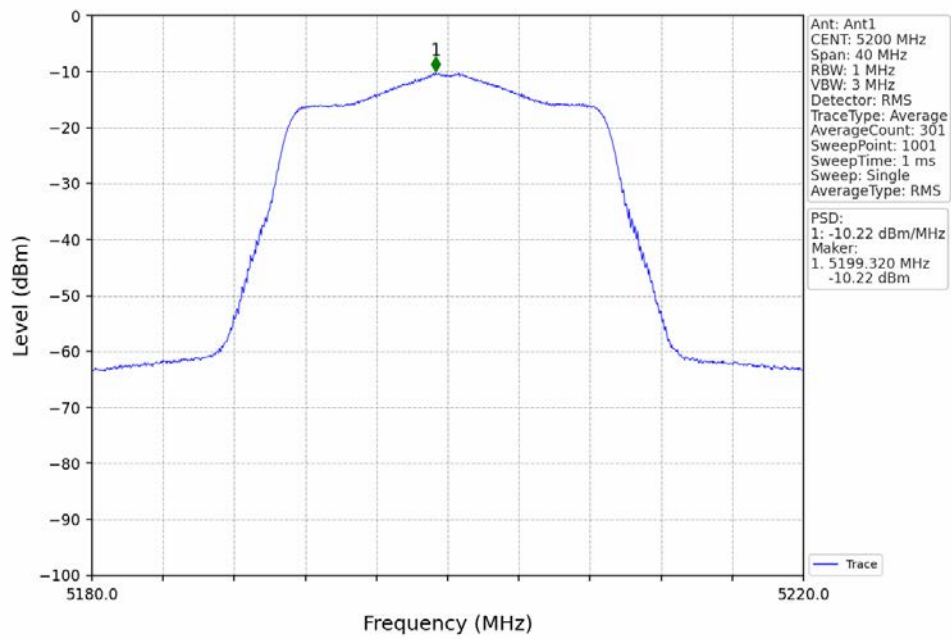
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



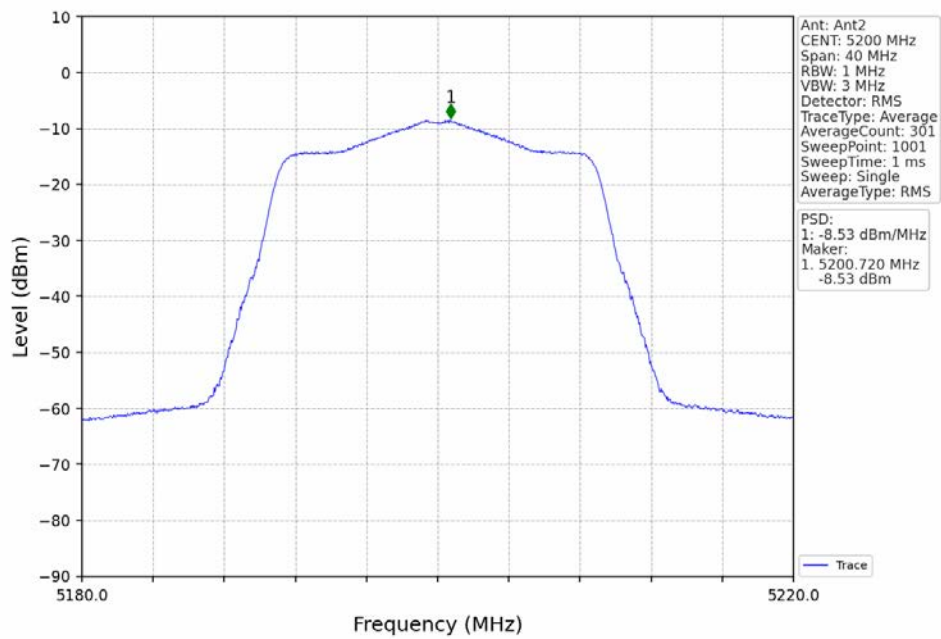
802.11ac(VHT20)_LCH_5180MHz_Ant2_NTNV



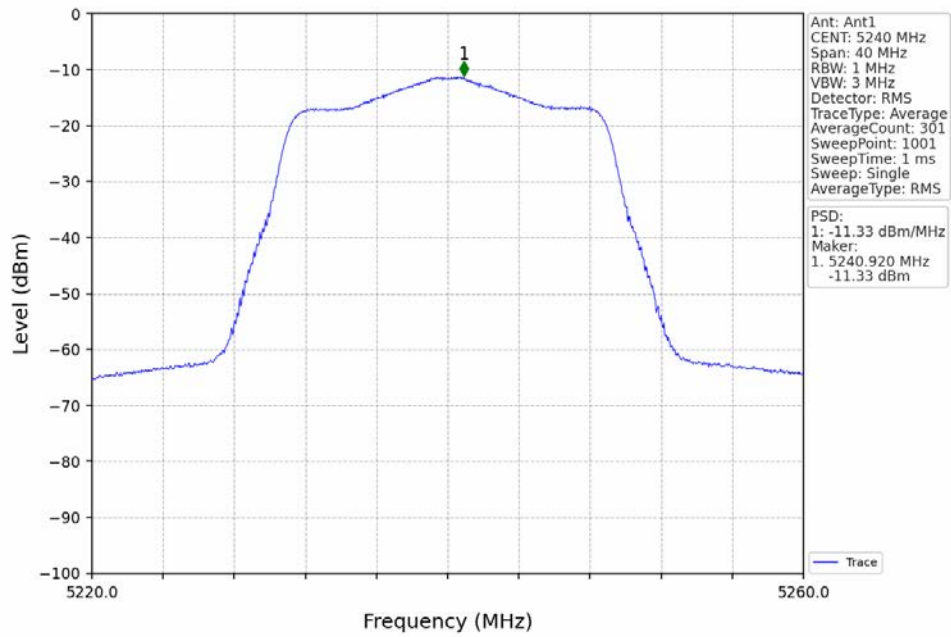
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



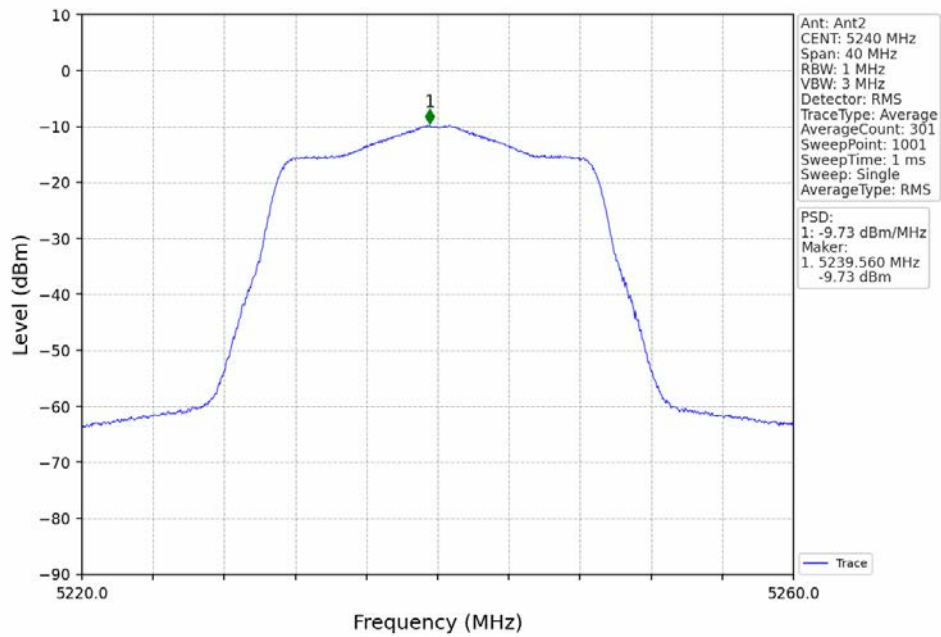
802.11ac(VHT20)_MCH_5200MHz_Ant2_NTNV



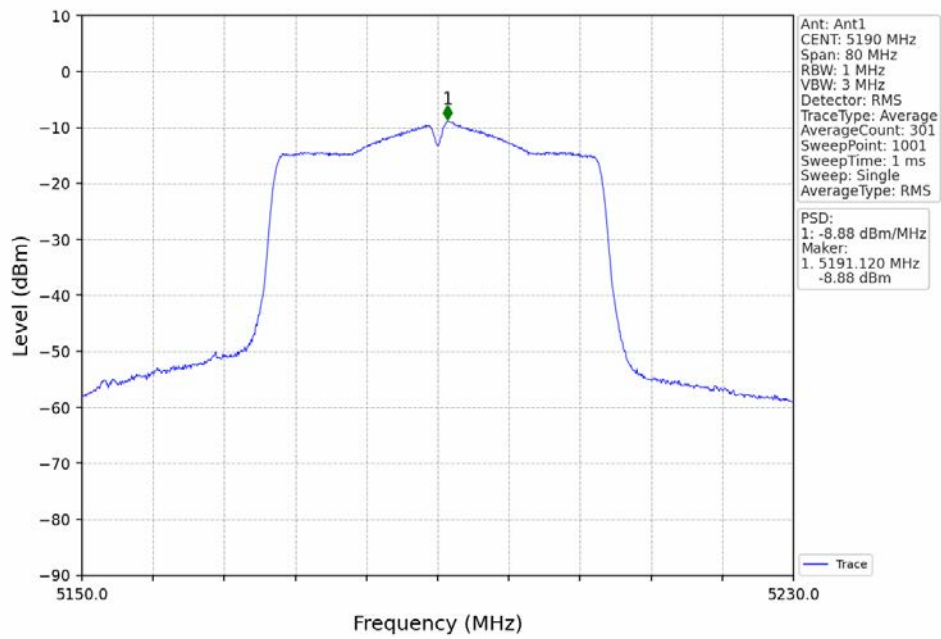
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



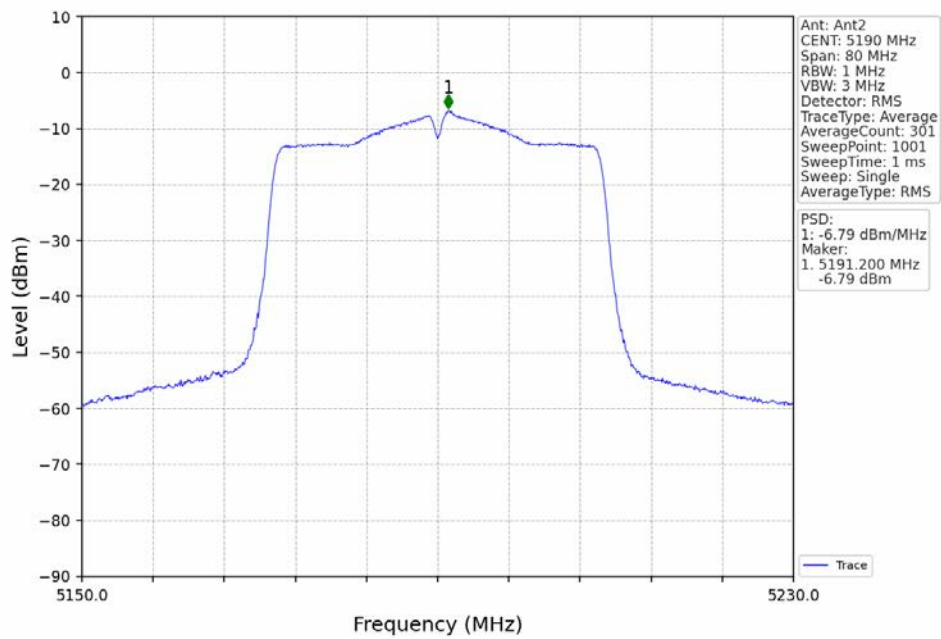
802.11ac(VHT20)_HCH_5240MHz_Ant2_NTNV



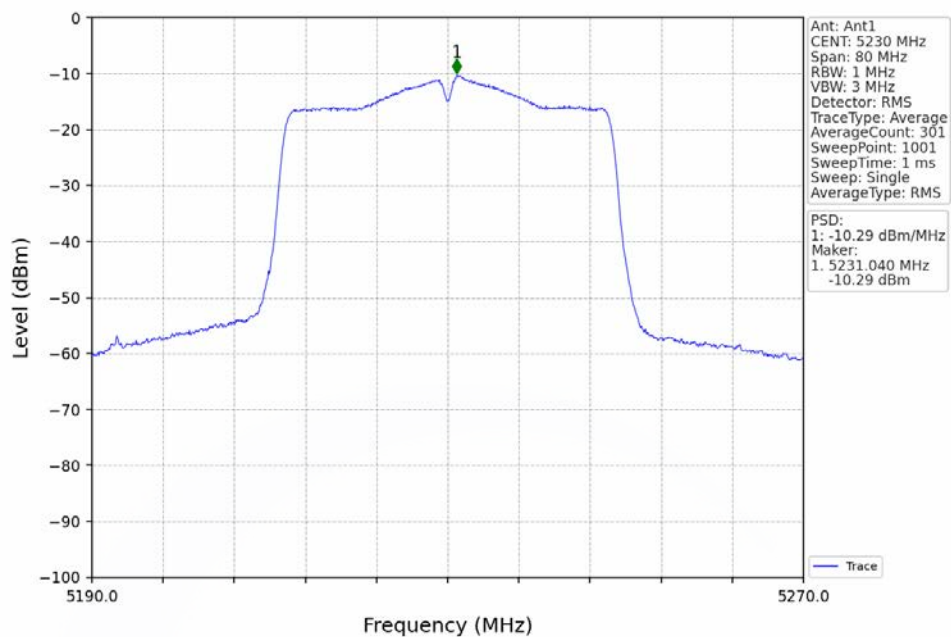
802.11ac(VHT40) LCH_5190MHz_Ant1_NTNV



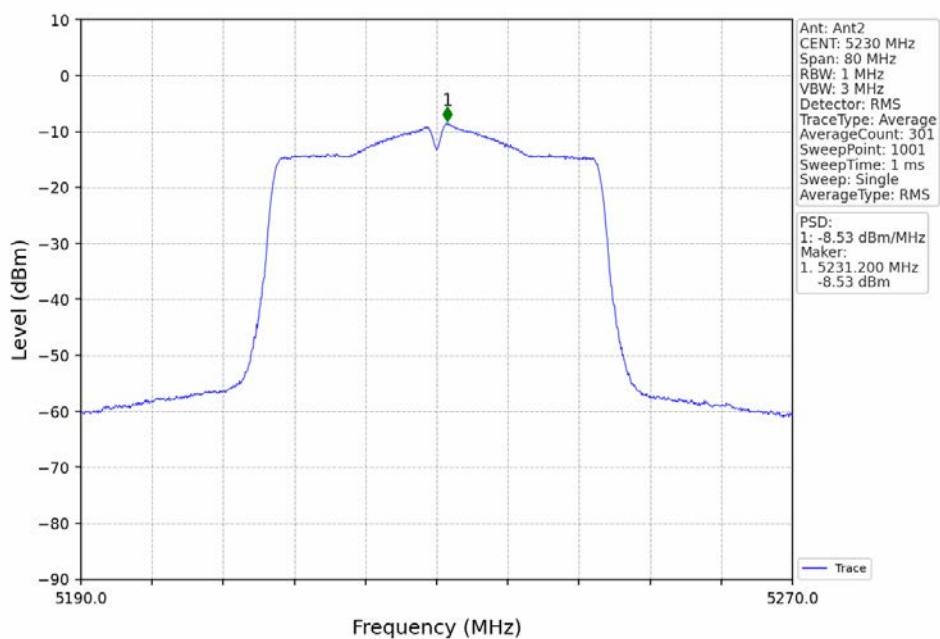
802.11ac(VHT40) LCH_5190MHz_Ant2_NTNV



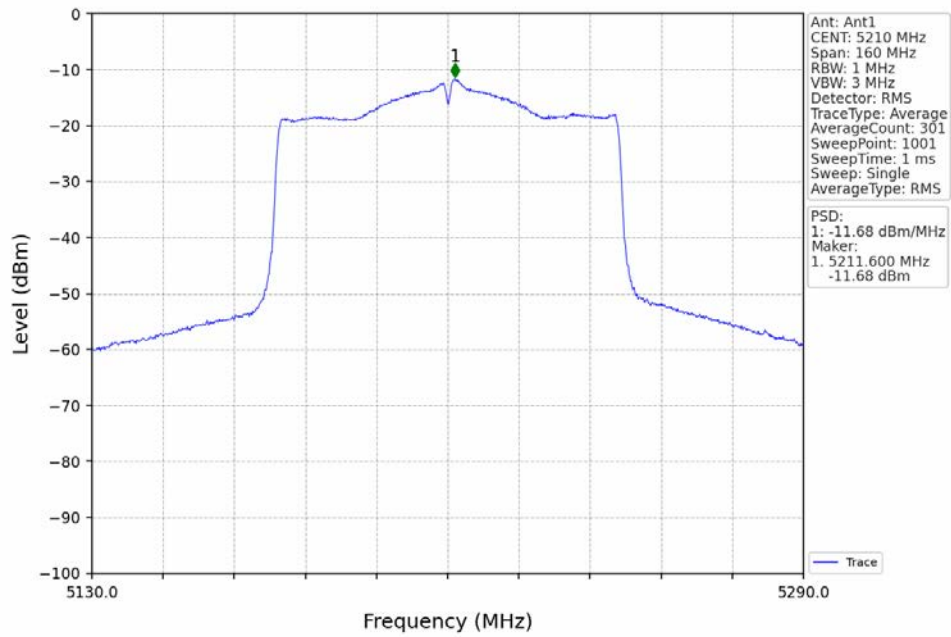
802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



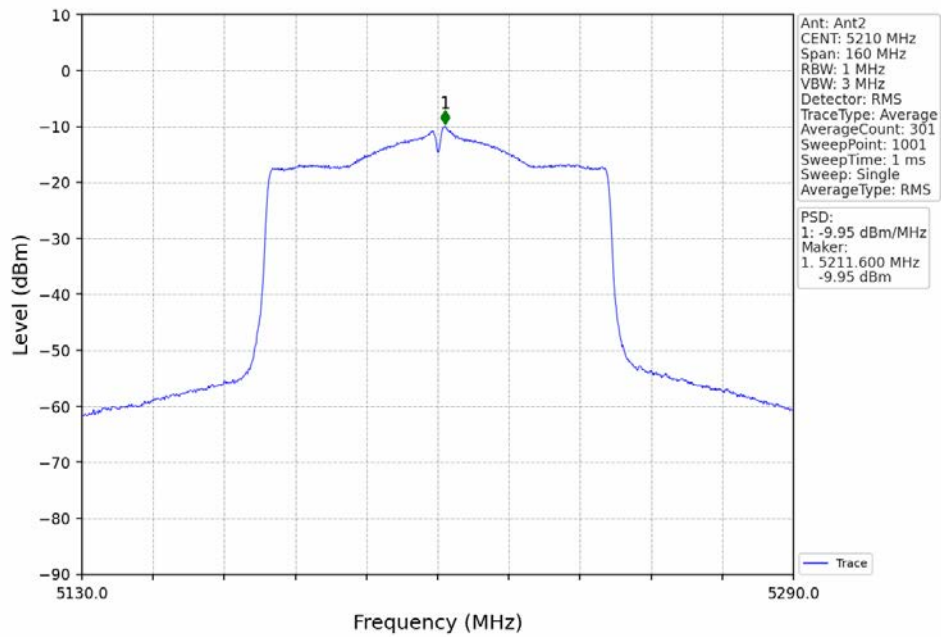
802.11ac(VHT40)_HCH_5230MHz_Ant2_NTNV



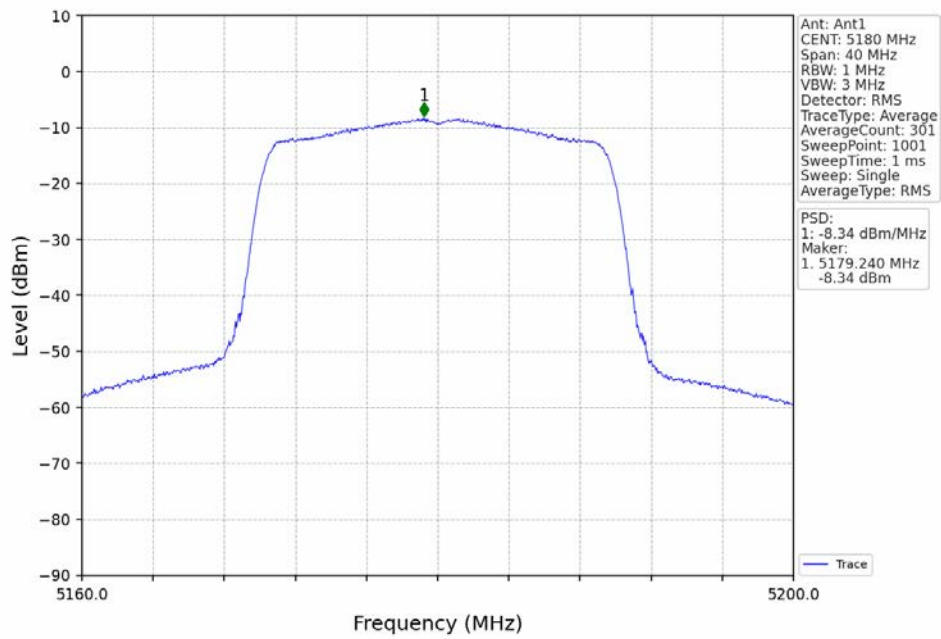
802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



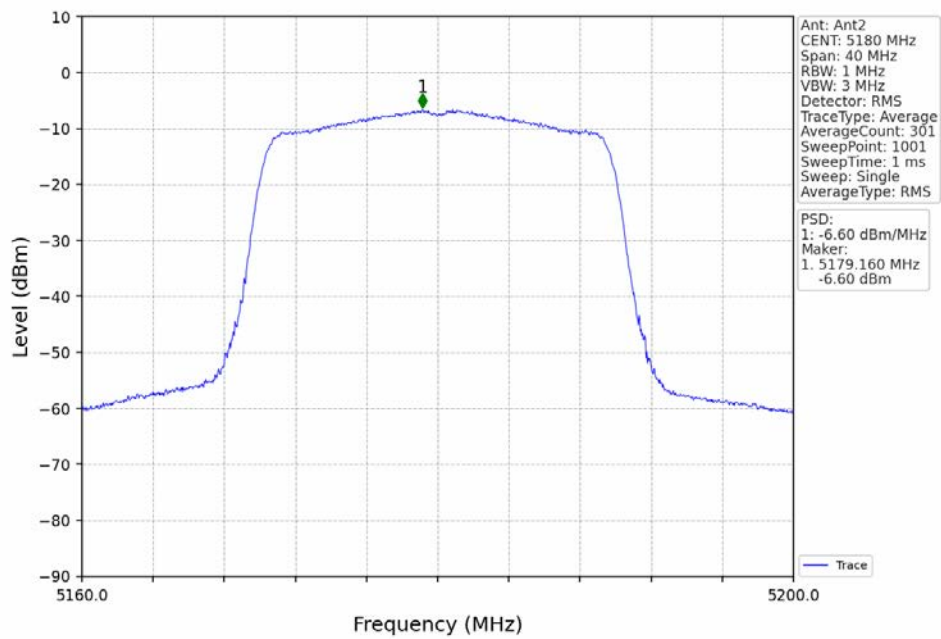
802.11ac(VHT80)_MCH_5210MHz_Ant2_NTNV



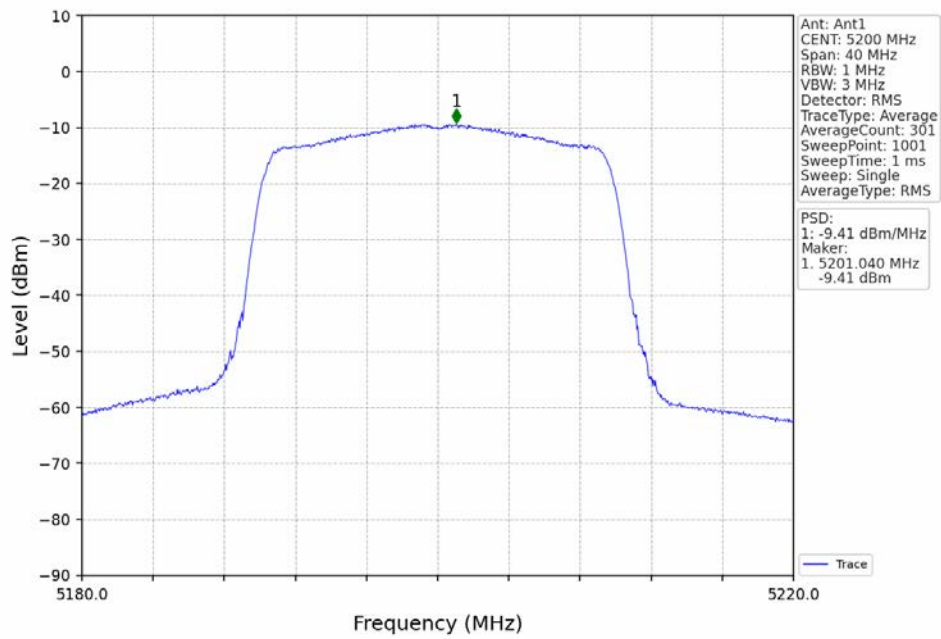
802.11ax(HEW20)_LCH_5180MHz_RU242_Left_Ant1_NTNV



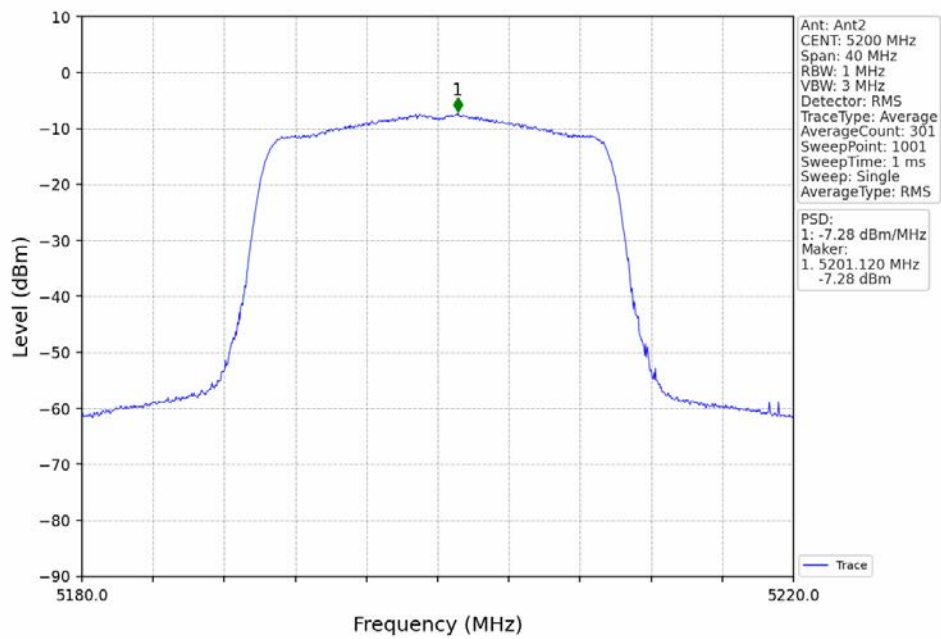
802.11ax(HEW20)_LCH_5180MHz_RU242_Left_Ant2_NTNV



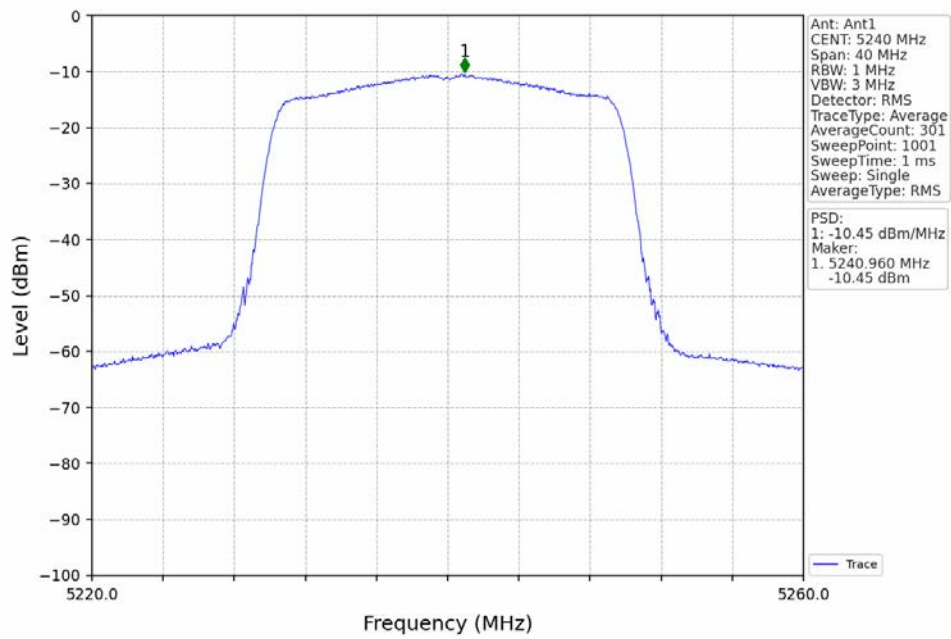
802.11ax(HEW20)_MCH_5200MHz_RU242_Left_Ant1_NTNV



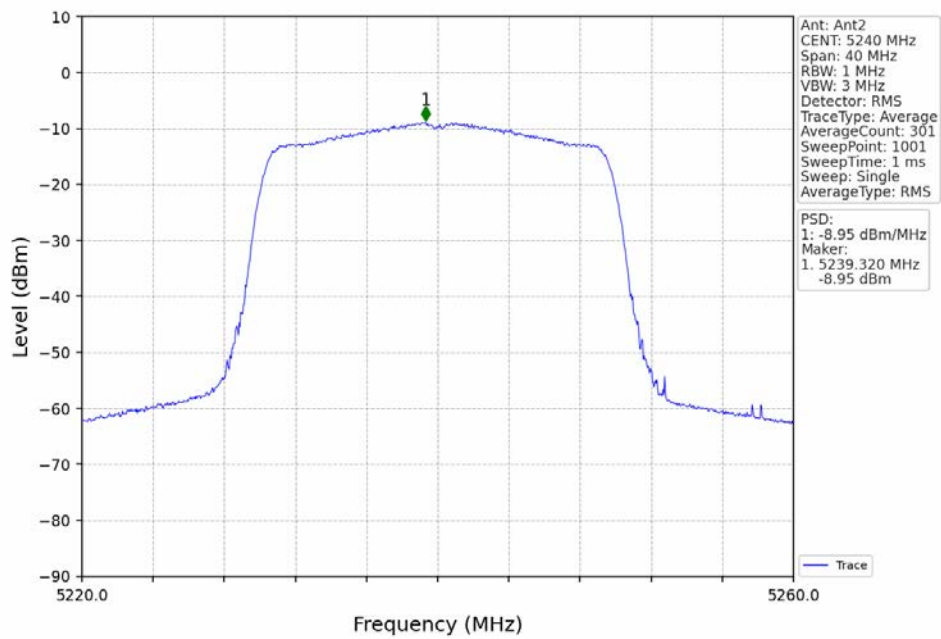
802.11ax(HEW20)_MCH_5200MHz_RU242_Left_Ant2_NTNV



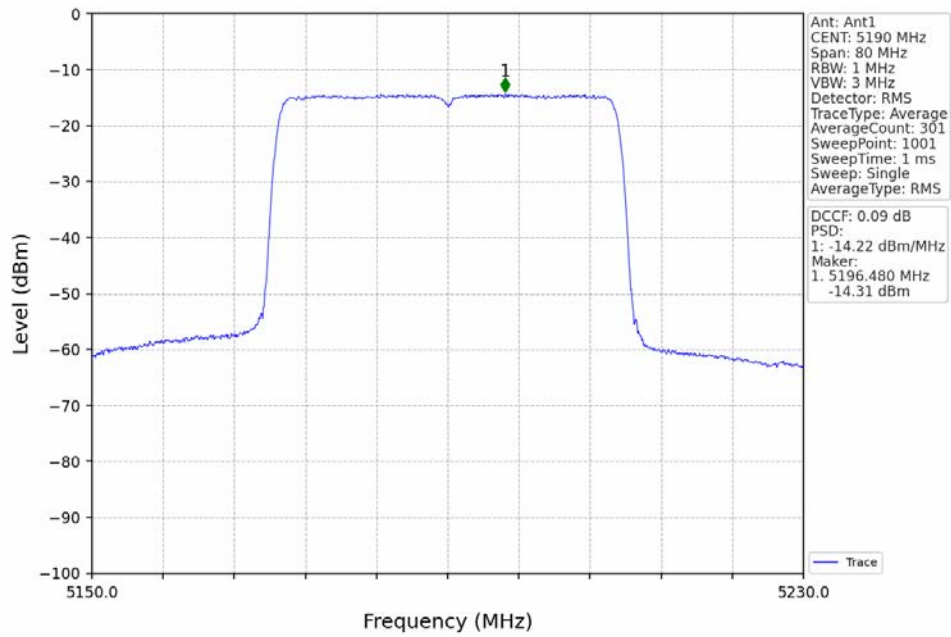
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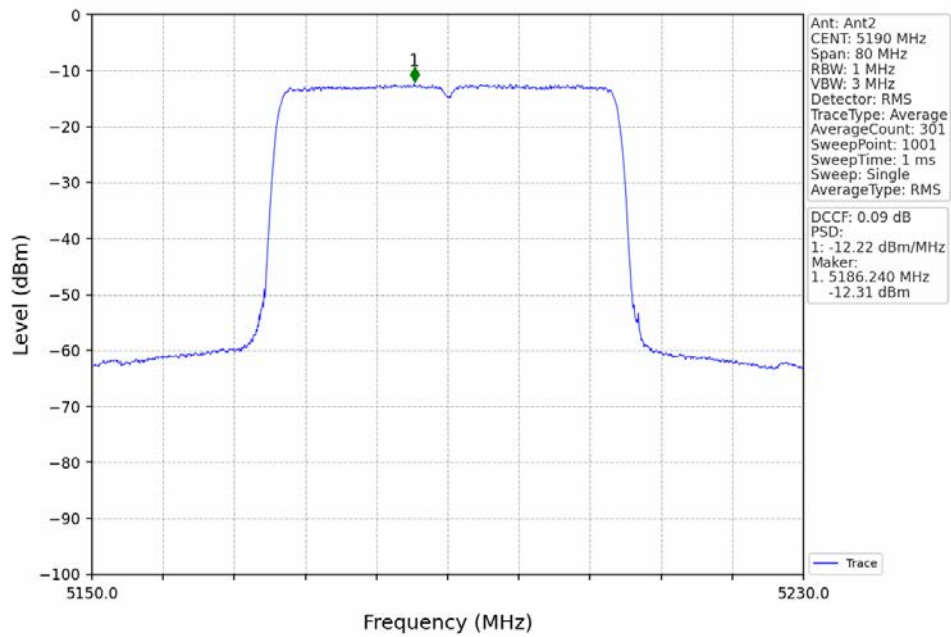
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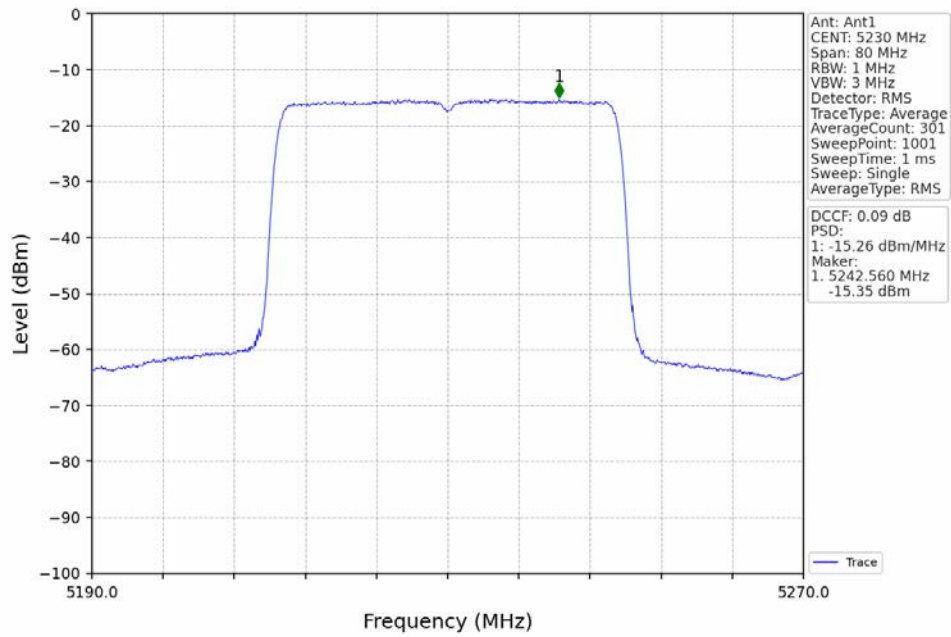
802.11ax(HEW40)_LCH_5190MHz_RU484_Left_Ant1_NTNV



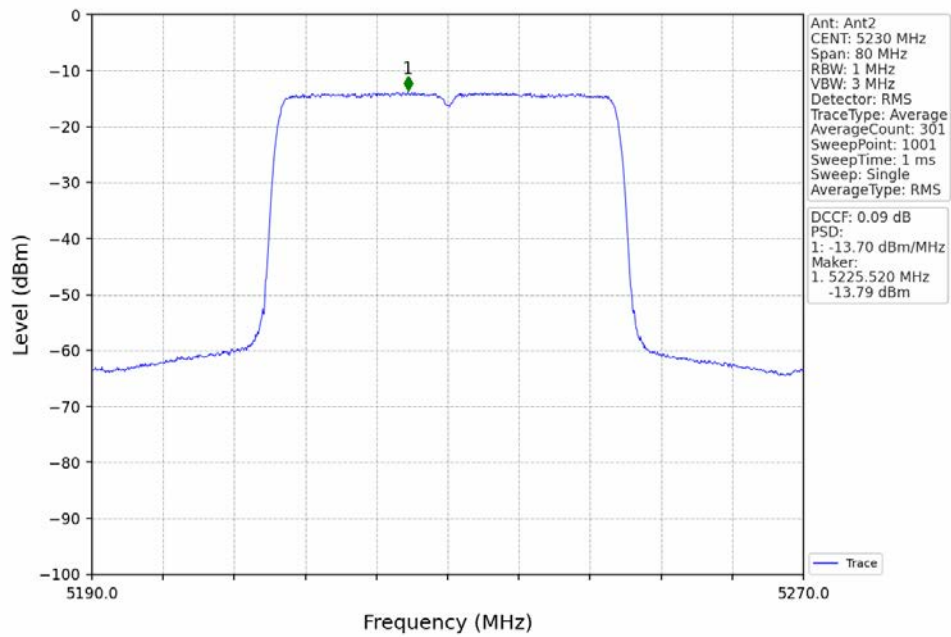
802.11ax(HEW40)_LCH_5190MHz_RU484_Left_Ant2_NTNV



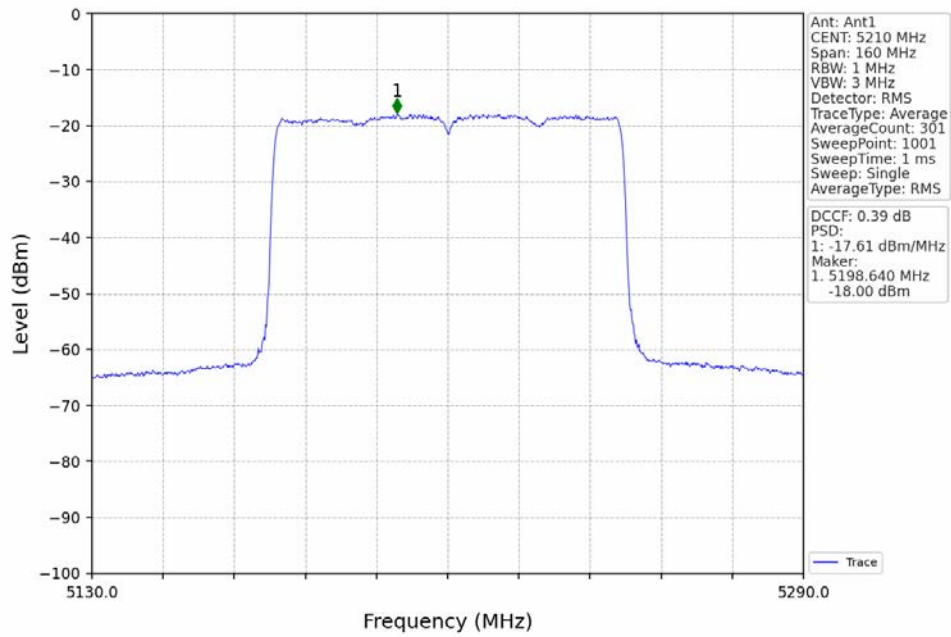
802.11ax(HEW40)_HCH_5230MHz_RU484_Left_Ant1_NTNV



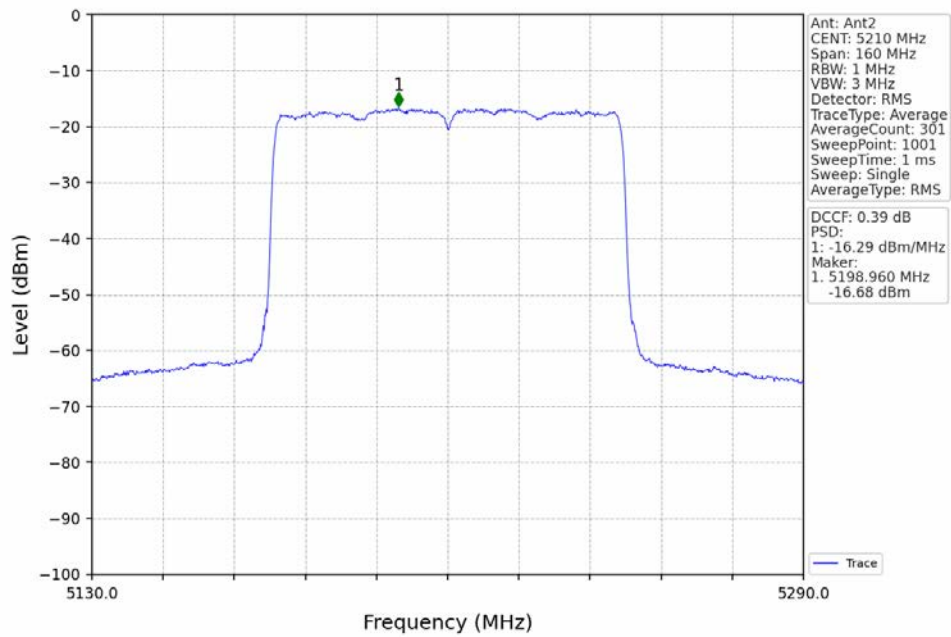
802.11ax(HEW40)_HCH_5230MHz_RU484_Left_Ant2_NTNV



802.11ax(HEW80)_MCH_5210MHz_RU996_Left_Ant1_NTNV



802.11ax(HEW80)_MCH_5210MHz_RU996_Left_Ant2_NTNV



5. Frequency Stability

5.1 Ant1

5.1.1 Test Result

Ant1							
Mode	TX Type	Frequency (MHz)	Temperature (°C)	Voltage (VAC)	Measured Frequency (MHz)	Limit (MHz)	Verdict
Carrier Wave	SISO	5180	20	102	5179.981	5150 to 5250	Pass
				120	5179.981	5150 to 5250	Pass
				138	5179.981	5150 to 5250	Pass
			-30	120	5179.981	5150 to 5250	Pass
			-20	120	5179.981	5150 to 5250	Pass
			-10	120	5179.981	5150 to 5250	Pass
			0	120	5179.981	5150 to 5250	Pass
			10	120	5179.981	5150 to 5250	Pass
			30	120	5179.981	5150 to 5250	Pass
			40	120	5179.981	5150 to 5250	Pass
			50	120	5179.981	5150 to 5250	Pass
		5200	20	102	5199.981	5150 to 5250	Pass
				120	5199.981	5150 to 5250	Pass
				138	5199.981	5150 to 5250	Pass
			-30	120	5199.981	5150 to 5250	Pass
			-20	120	5199.981	5150 to 5250	Pass
			-10	120	5199.981	5150 to 5250	Pass
			0	120	5199.981	5150 to 5250	Pass
			10	120	5199.981	5150 to 5250	Pass
			30	120	5199.981	5150 to 5250	Pass
			40	120	5199.981	5150 to 5250	Pass
			50	120	5199.981	5150 to 5250	Pass
		5240	20	102	5239.991	5150 to 5250	Pass
				120	5239.991	5150 to 5250	Pass
				138	5239.991	5150 to 5250	Pass
			-30	120	5239.991	5150 to 5250	Pass
			-20	120	5239.991	5150 to 5250	Pass
			-10	120	5239.991	5150 to 5250	Pass
			0	120	5239.991	5150 to 5250	Pass
			10	120	5239.991	5150 to 5250	Pass
			30	120	5239.991	5150 to 5250	Pass
			40	120	5239.991	5150 to 5250	Pass
			50	120	5239.991	5150 to 5250	Pass
		5190	20	102	5190.471	5150 to 5250	Pass
				120	5189.981	5150 to 5250	Pass
				138	5189.981	5150 to 5250	Pass
			-30	120	5189.981	5150 to 5250	Pass
			-20	120	5189.981	5150 to 5250	Pass
			-10	120	5189.981	5150 to 5250	Pass
			0	120	5189.981	5150 to 5250	Pass
			10	120	5189.981	5150 to 5250	Pass
			30	120	5189.981	5150 to 5250	Pass
			40	120	5189.981	5150 to 5250	Pass
			50	120	5189.981	5150 to 5250	Pass
		5230	20	102	5229.971	5150 to 5250	Pass
				120	5229.971	5150 to 5250	Pass
				138	5229.971	5150 to 5250	Pass

			-30	120	5229.971	5150 to 5250	Pass
			-20	120	5229.971	5150 to 5250	Pass
			-10	120	5229.971	5150 to 5250	Pass
			0	120	5229.971	5150 to 5250	Pass
			10	120	5229.971	5150 to 5250	Pass
			30	120	5229.971	5150 to 5250	Pass
			40	120	5229.971	5150 to 5250	Pass
			50	120	5229.971	5150 to 5250	Pass
		5210	20	102	5209.971	5150 to 5250	Pass
				120	5209.971	5150 to 5250	Pass
				138	5209.971	5150 to 5250	Pass
			-30	120	5209.971	5150 to 5250	Pass
			-20	120	5209.971	5150 to 5250	Pass
			-10	120	5209.971	5150 to 5250	Pass
			0	120	5209.971	5150 to 5250	Pass
			10	120	5209.971	5150 to 5250	Pass
			30	120	5209.971	5150 to 5250	Pass
			40	120	5209.971	5150 to 5250	Pass
			50	120	5209.971	5150 to 5250	Pass

▶▶▶ END OF REPORT ◀◀◀