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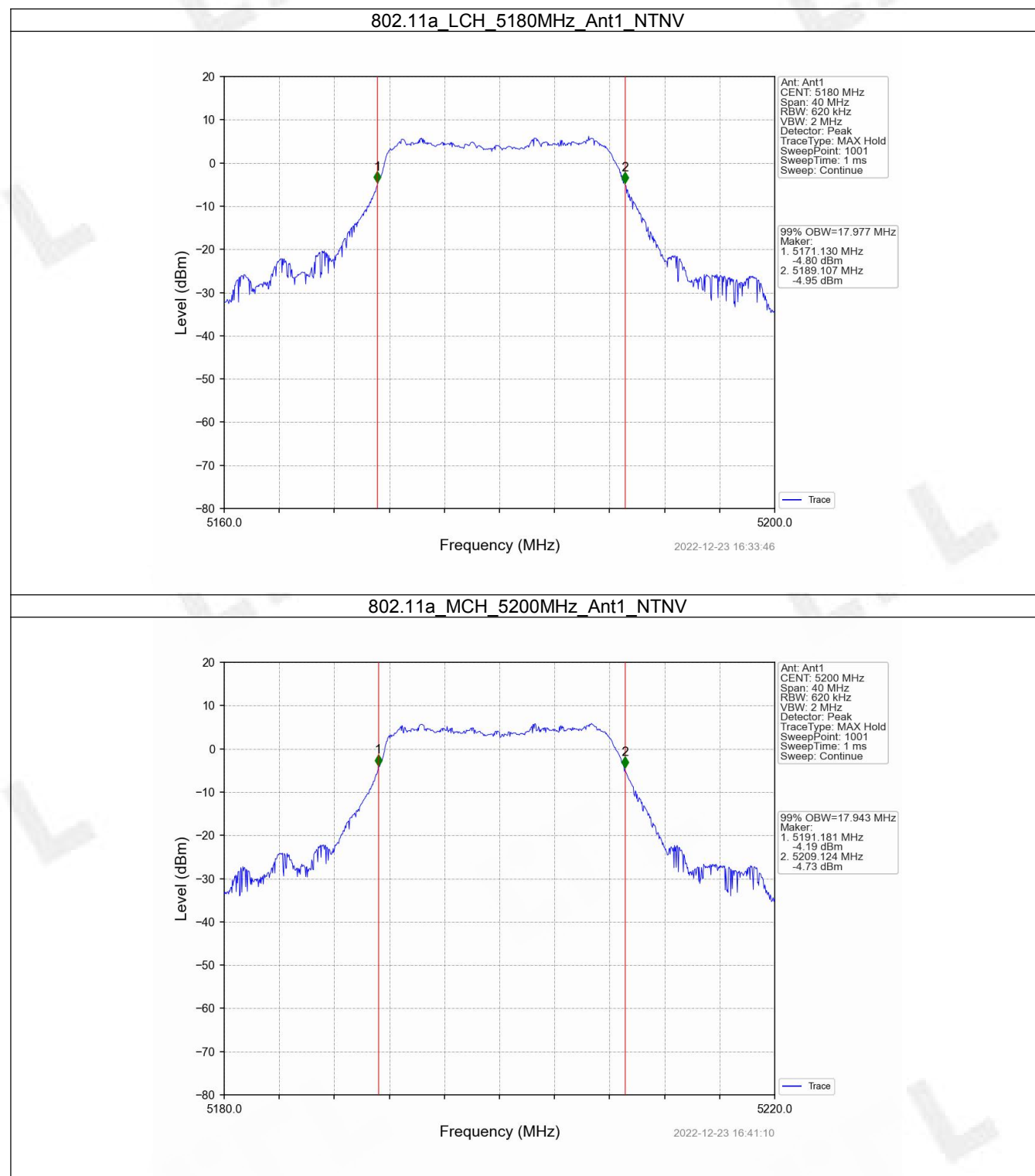
1. Bandwidth

1.1 OBW

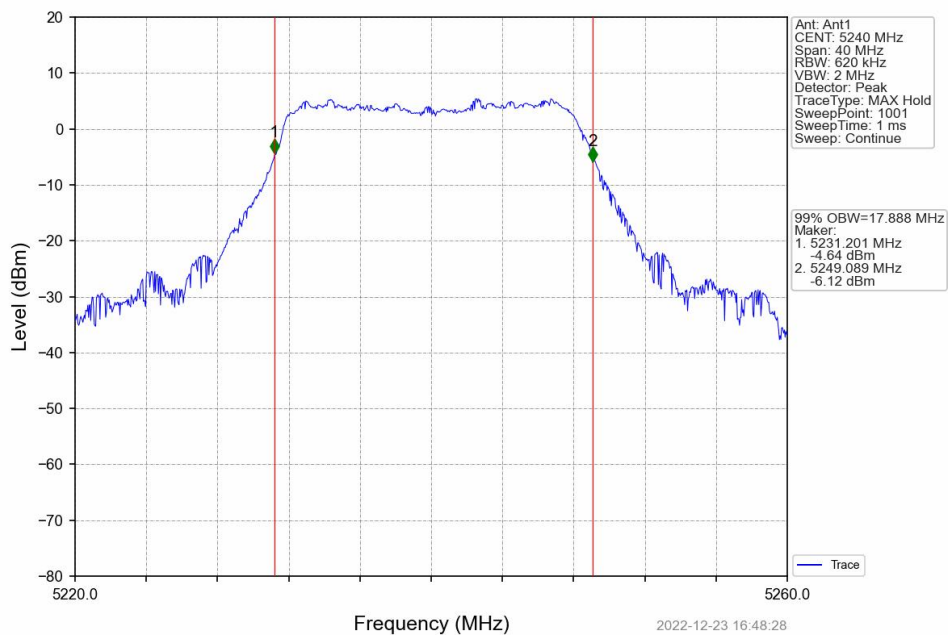
1.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)	Verdict
				Result	
802.11a	SISO	5180	1	17.977	Pass
		5200	1	17.943	Pass
		5240	1	17.888	Pass
802.11n (HT20)	SISO	5180	1	19.023	Pass
		5200	1	18.907	Pass
		5240	1	18.872	Pass
802.11n (HT40)	SISO	5190	1	37.702	Pass
		5230	1	37.375	Pass
802.11ac (VHT20)	SISO	5180	1	18.826	Pass
		5200	1	18.826	Pass
		5240	1	18.634	Pass
802.11ac (VHT40)	SISO	5190	1	38.080	Pass
		5230	1	37.159	Pass
802.11ac (VHT80)	SISO	5210	1	77.394	Pass

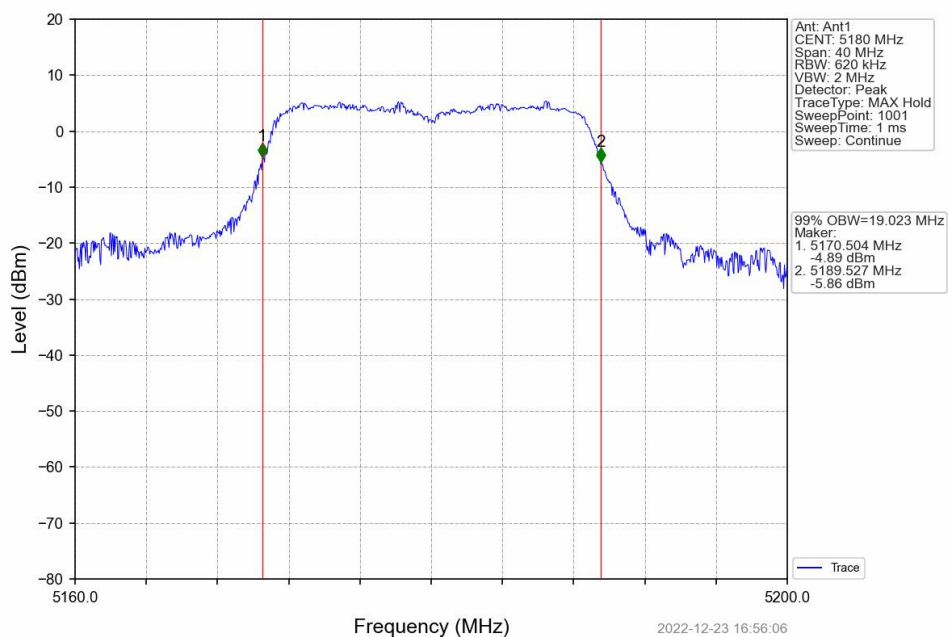
1.1.2 Test Graph



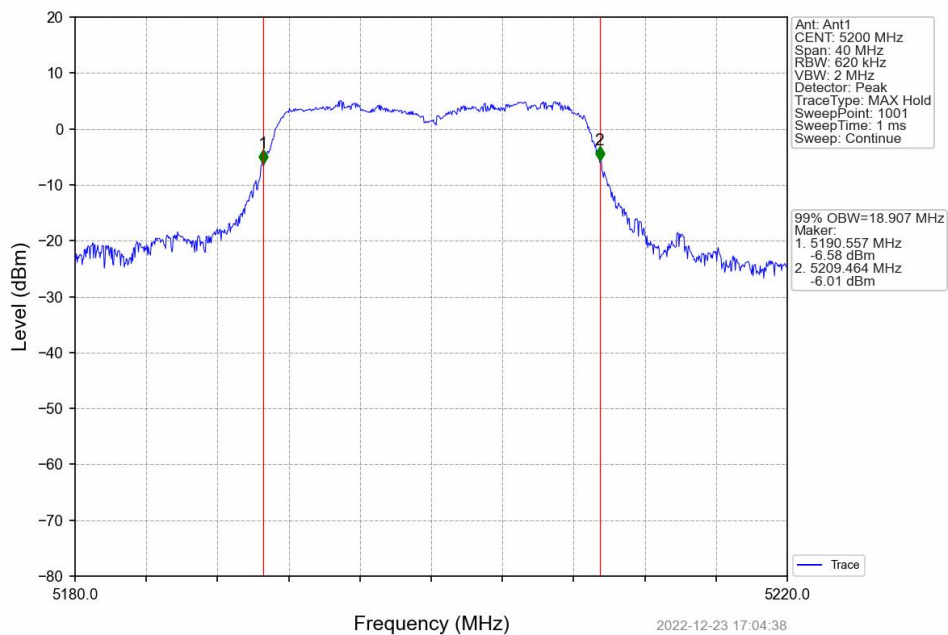
802.11a_HCH_5240MHz_Ant1_NTNV



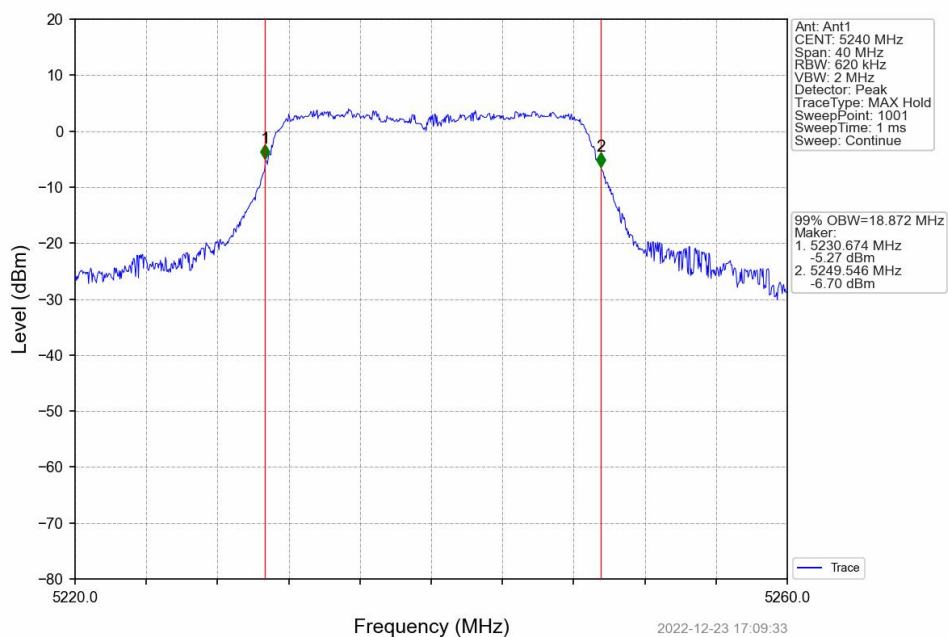
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



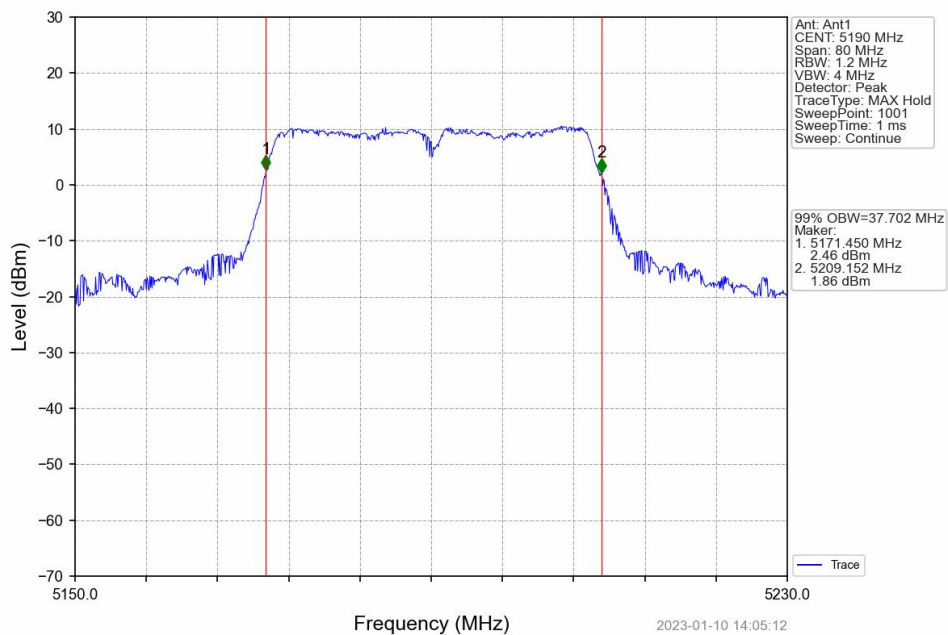
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



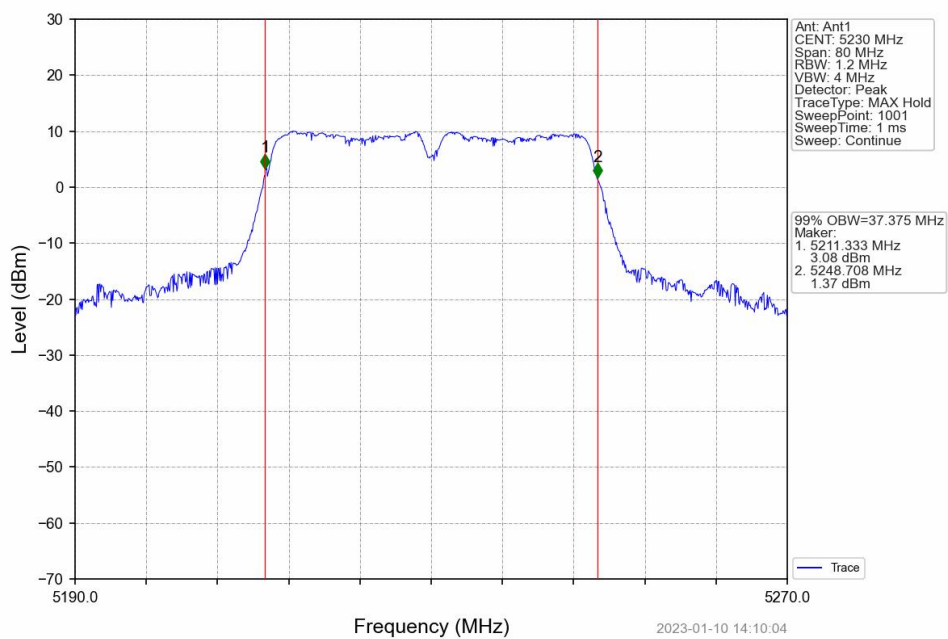
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



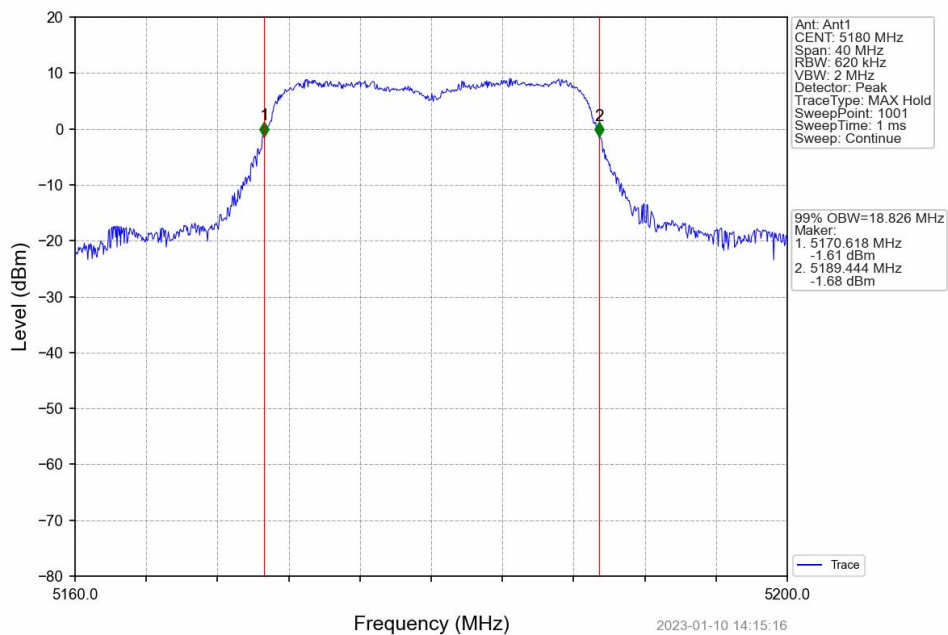
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



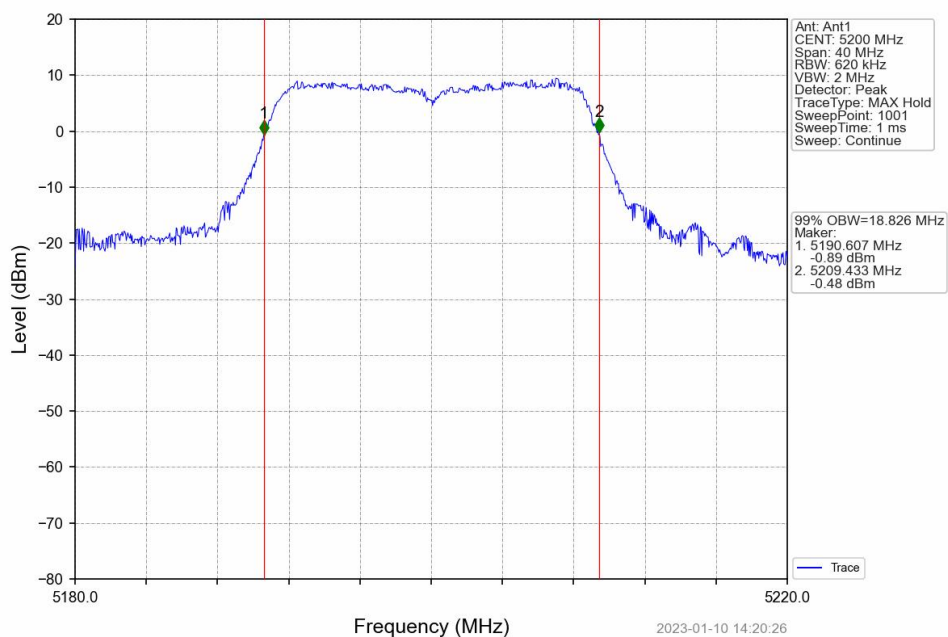
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



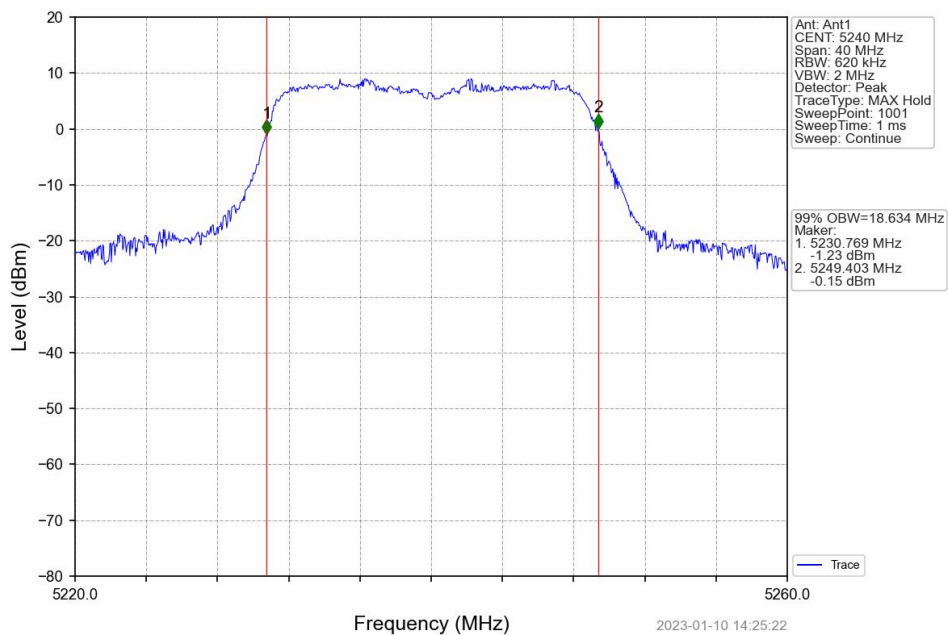
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



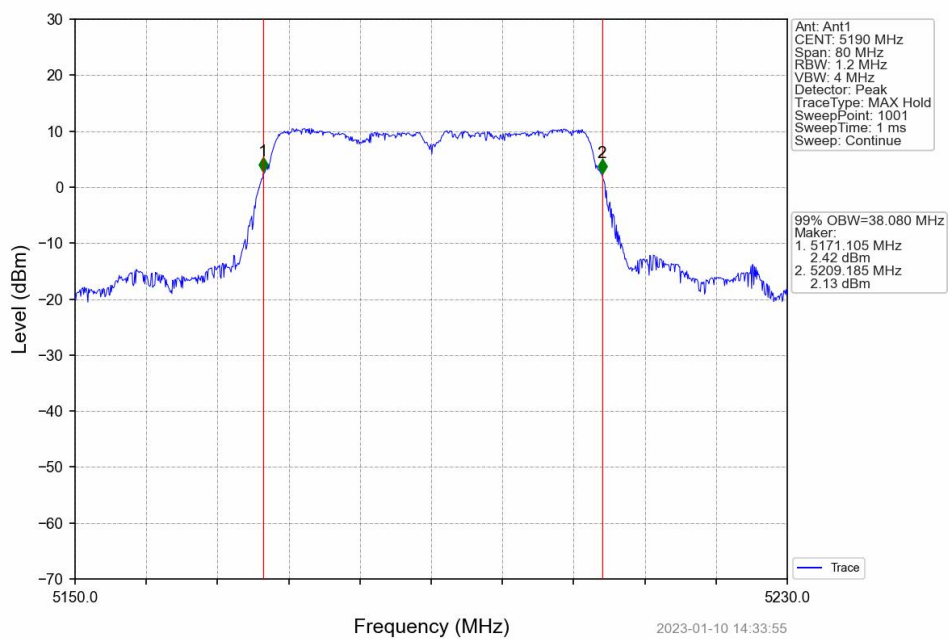
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



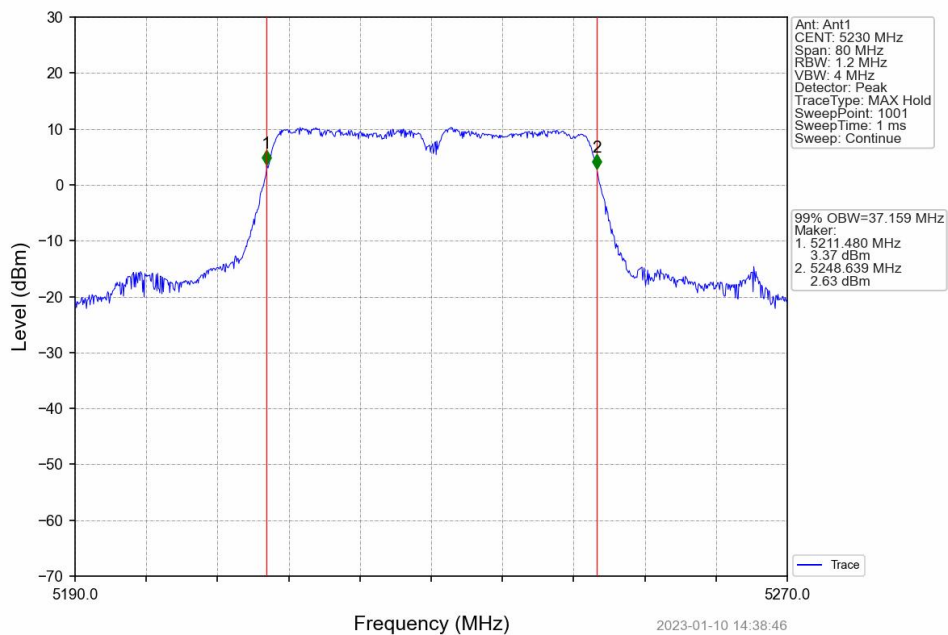
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



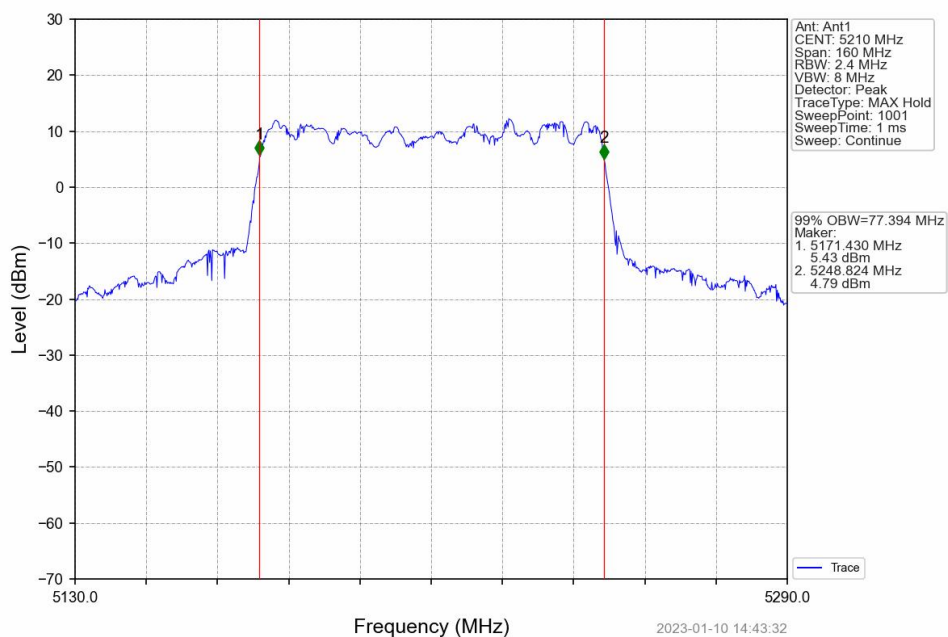
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV

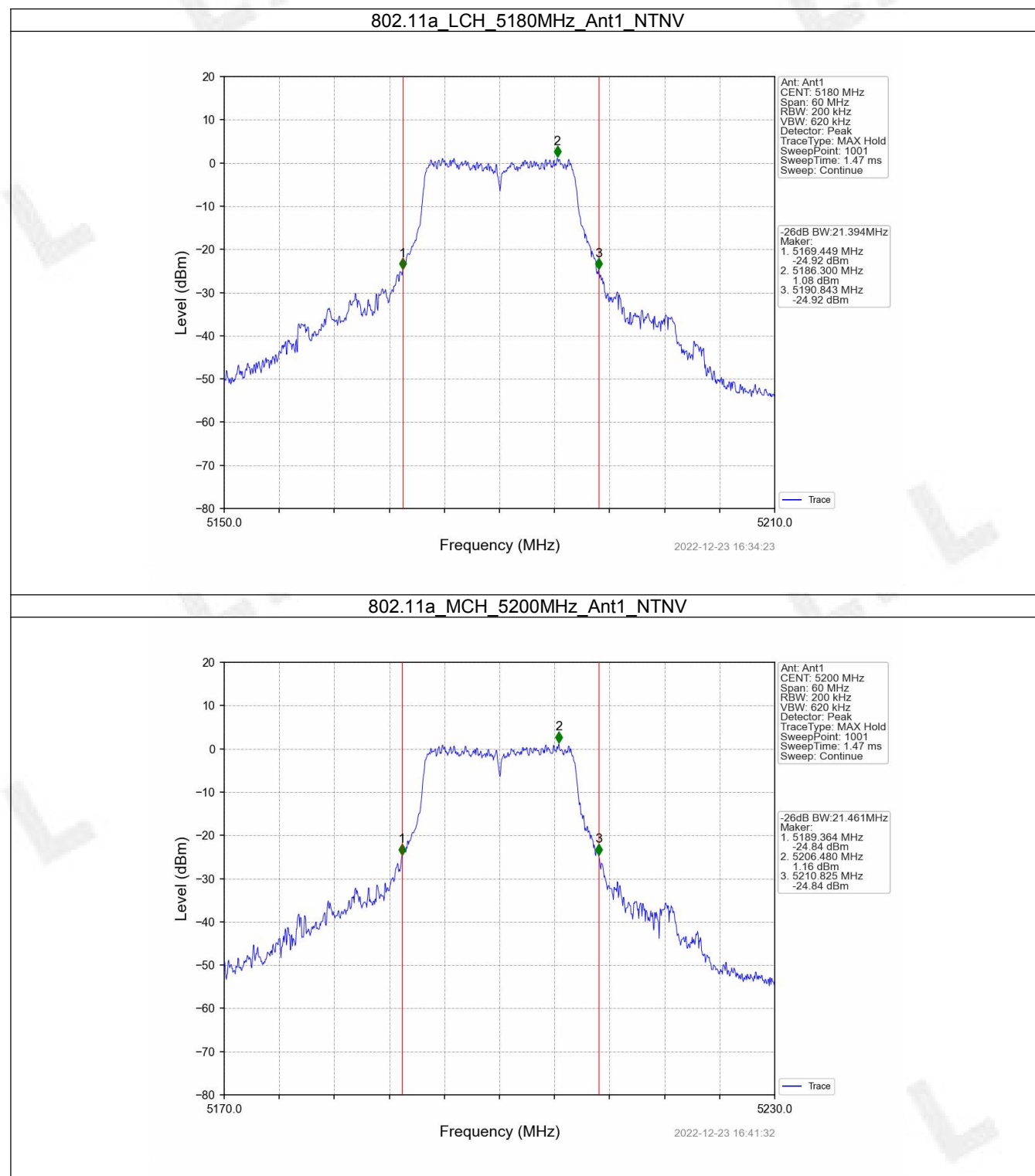


1.2 26dB BW

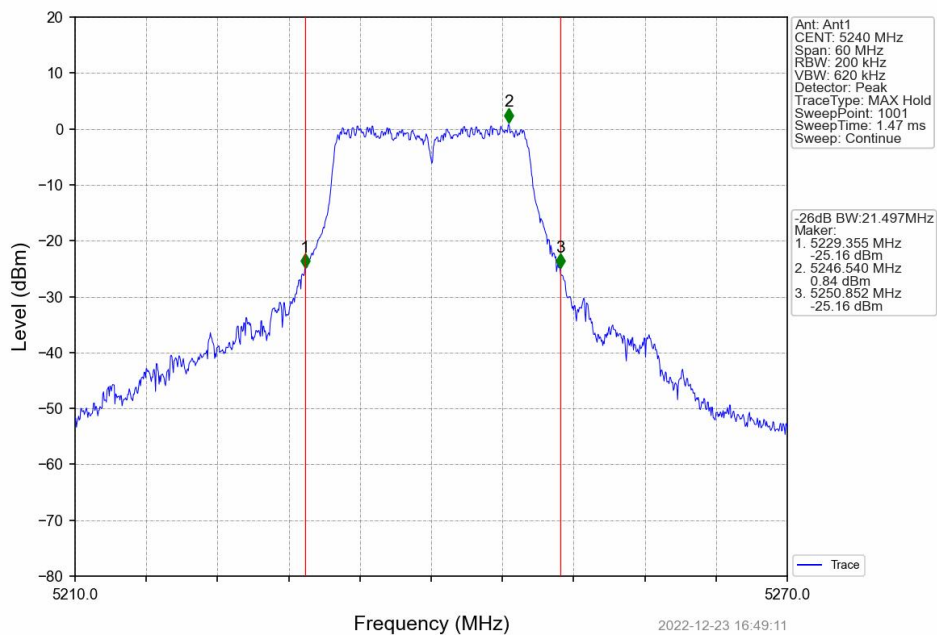
1.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	26dB Bandwidth (MHz)	Verdict
				Result	
802.11a	SISO	5180	1	21.394	Pass
		5200	1	21.461	Pass
		5240	1	21.497	Pass
802.11n (HT20)	SISO	5180	1	24.650	Pass
		5200	1	25.239	Pass
		5240	1	22.803	Pass
802.11n (HT40)	SISO	5190	1	51.576	Pass
		5230	1	44.523	Pass
802.11ac (VHT20)	SISO	5180	1	23.393	Pass
		5200	1	23.137	Pass
		5240	1	22.342	Pass
802.11ac (VHT40)	SISO	5190	1	47.241	Pass
		5230	1	43.968	Pass
802.11ac (VHT80)	SISO	5210	1	109.766	Pass

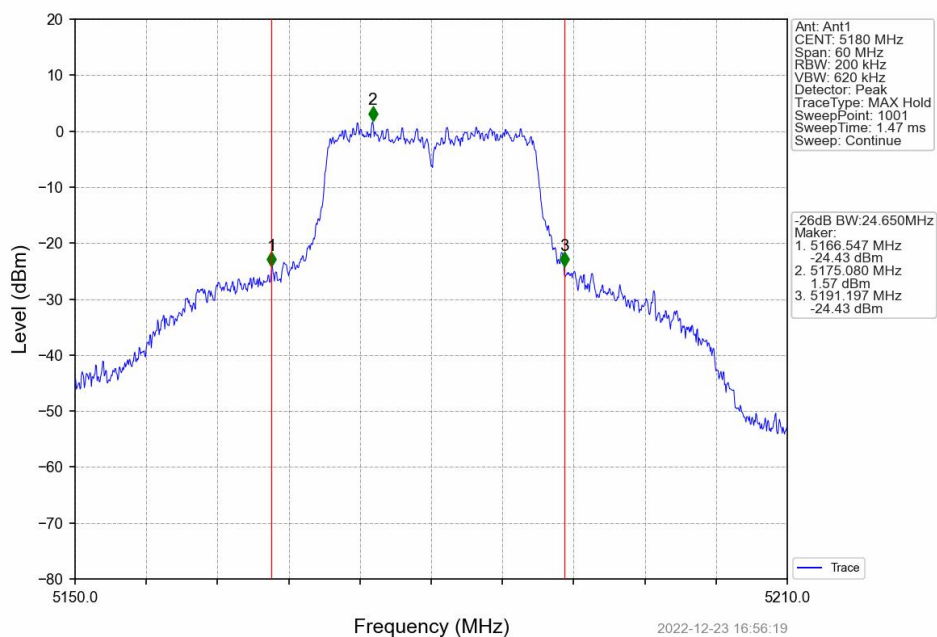
1.2.2 Test Graph



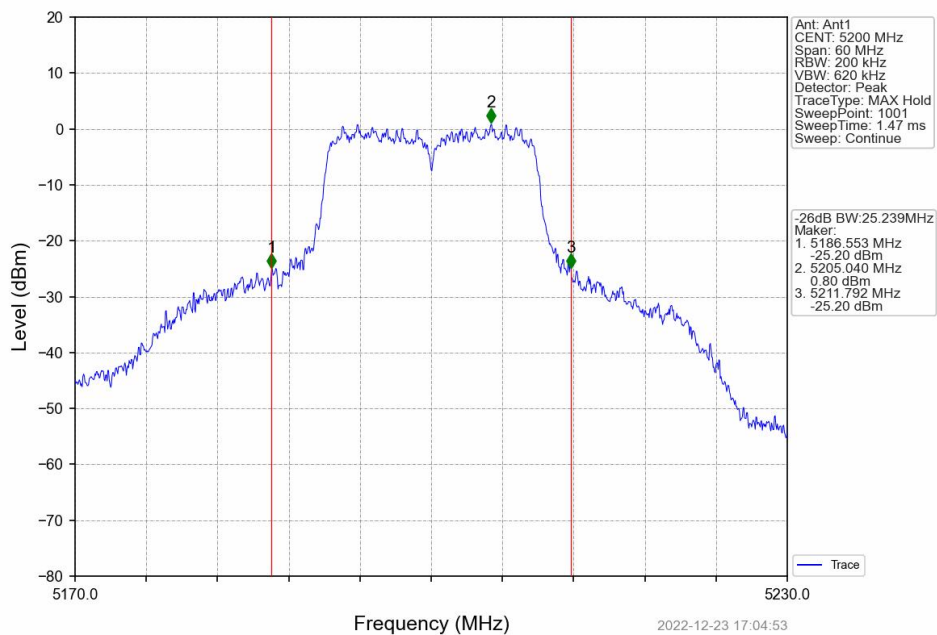
802.11a_HCH_5240MHz_Ant1_NTNV



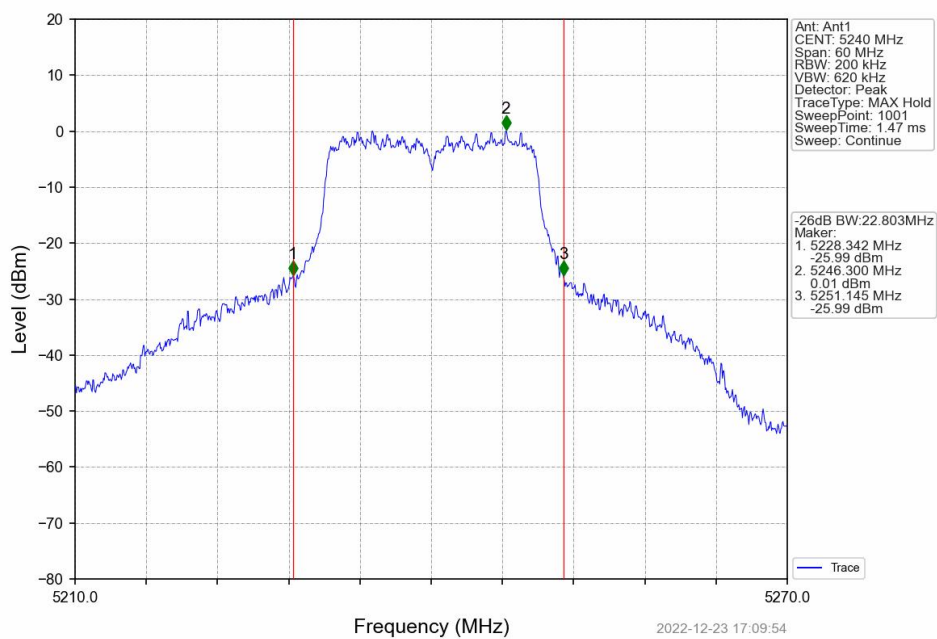
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



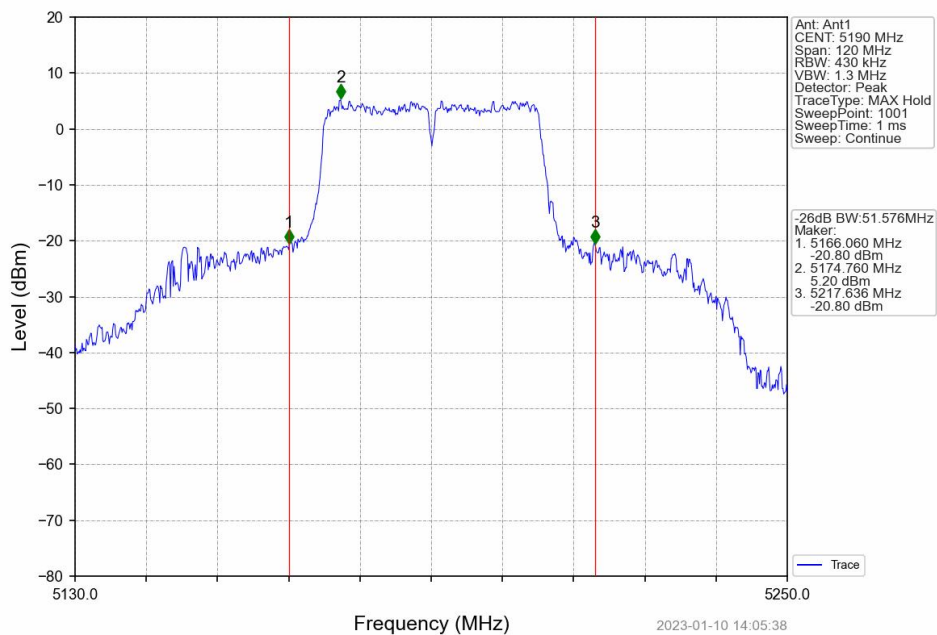
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



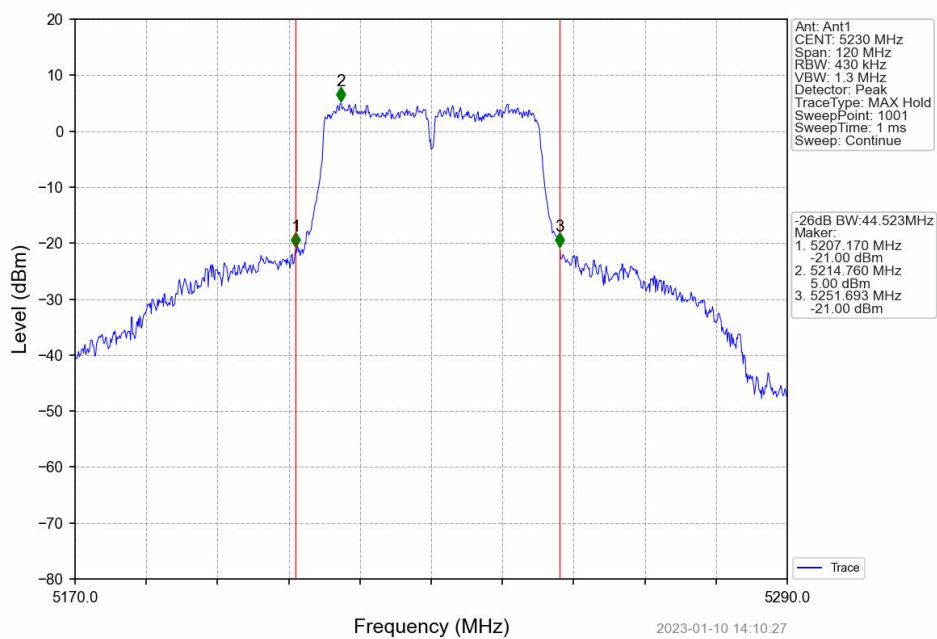
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



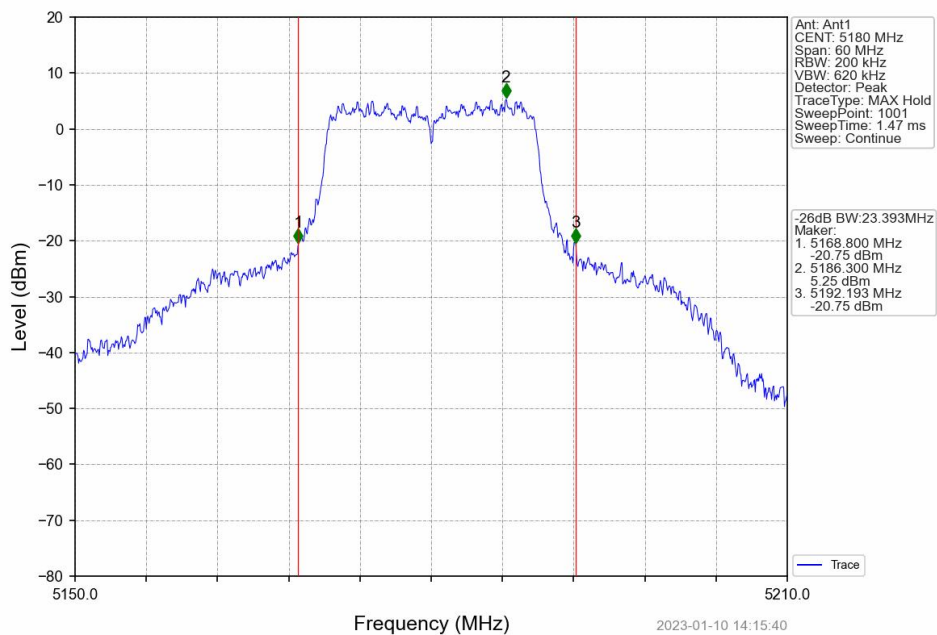
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



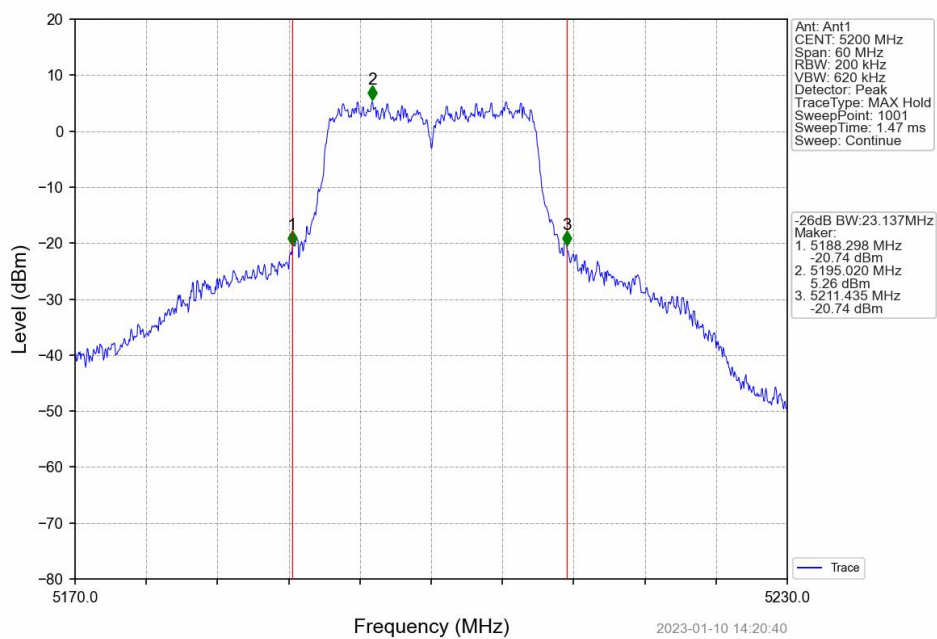
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



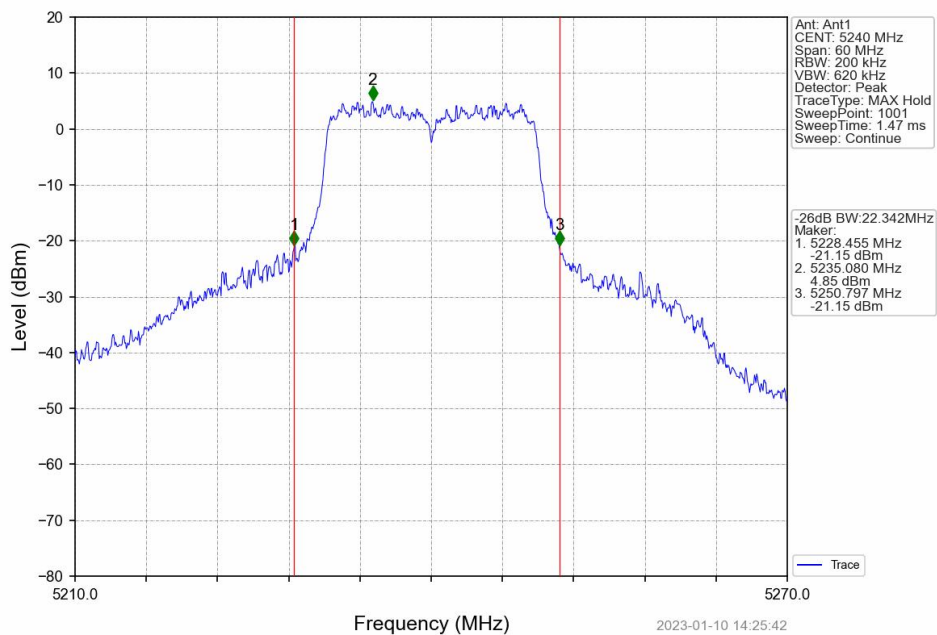
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



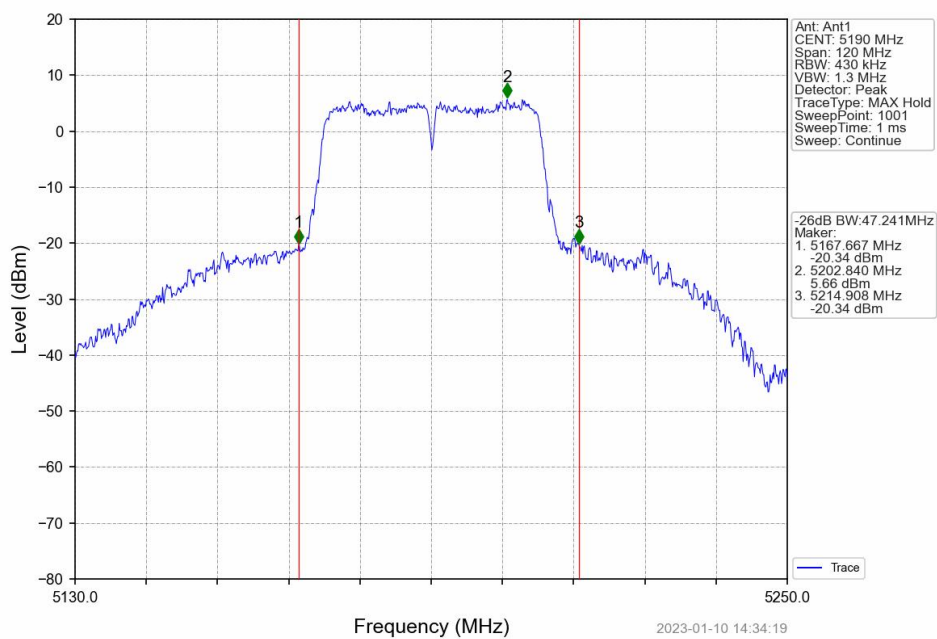
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



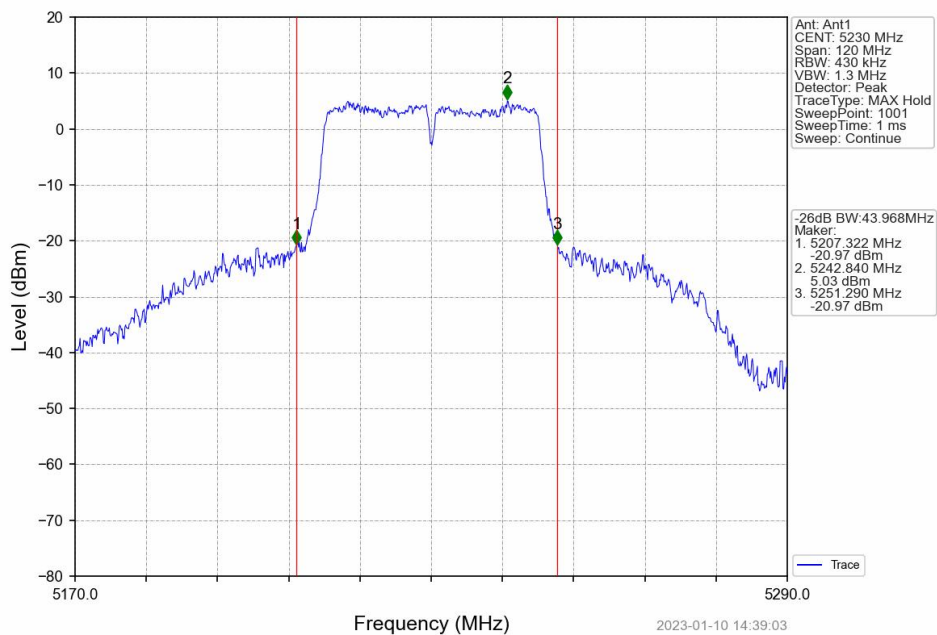
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



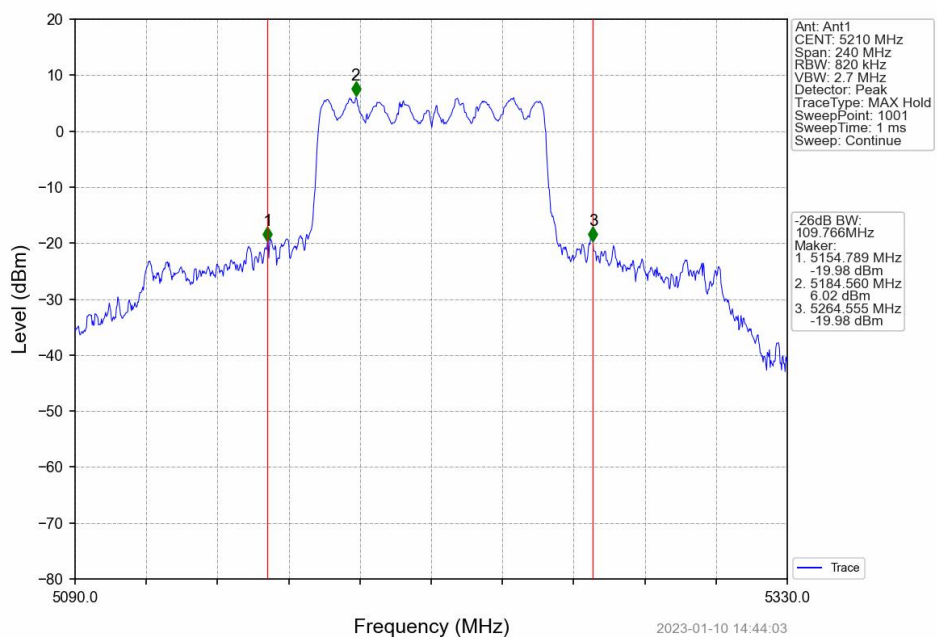
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



2. Maximum Conducted Output Power

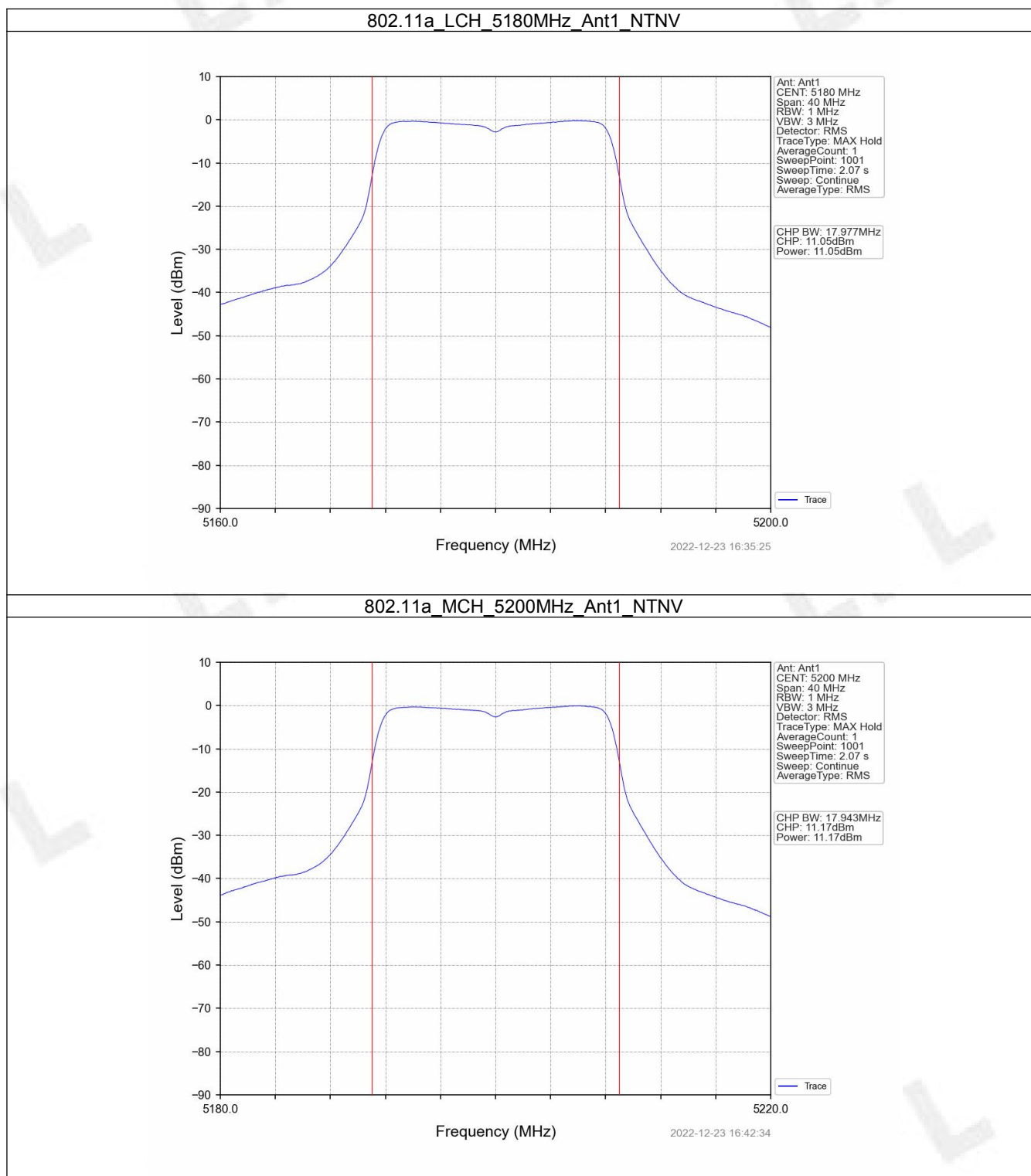
2.1 Power

2.1.1 Test Result

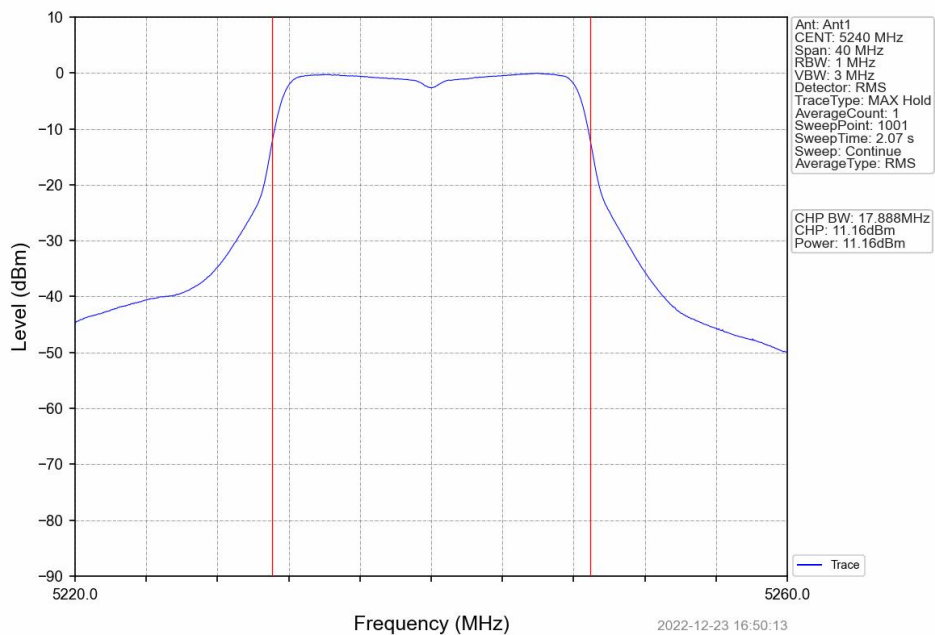
Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
802.11a	SISO	5180	11.05	<=23.98	Pass
		5200	11.17	<=23.98	Pass
		5240	11.16	<=23.98	Pass
802.11n (HT20)	SISO	5180	11.19	<=23.98	Pass
		5200	10.80	<=23.98	Pass
		5240	10.18	<=23.98	Pass
802.11n (HT40)	SISO	5190	15.75	<=23.98	Pass
		5230	15.15	<=23.98	Pass
802.11ac (VHT20)	SISO	5180	15.24	<=23.98	Pass
		5200	15.40	<=23.98	Pass
		5240	14.79	<=23.98	Pass
802.11ac (VHT40)	SISO	5190	15.84	<=23.98	Pass
		5230	15.49	<=23.98	Pass
802.11ac (VHT80)	SISO	5210	15.82	<=23.98	Pass

Note1: Antenna Gain: Ant1: 0.83dBi;

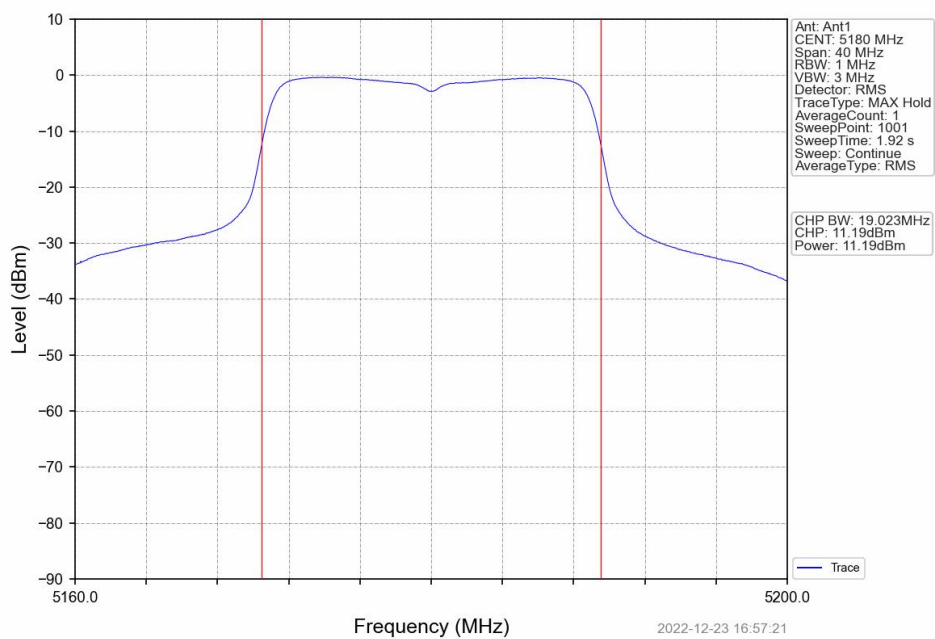
2.1.2 Test Graph



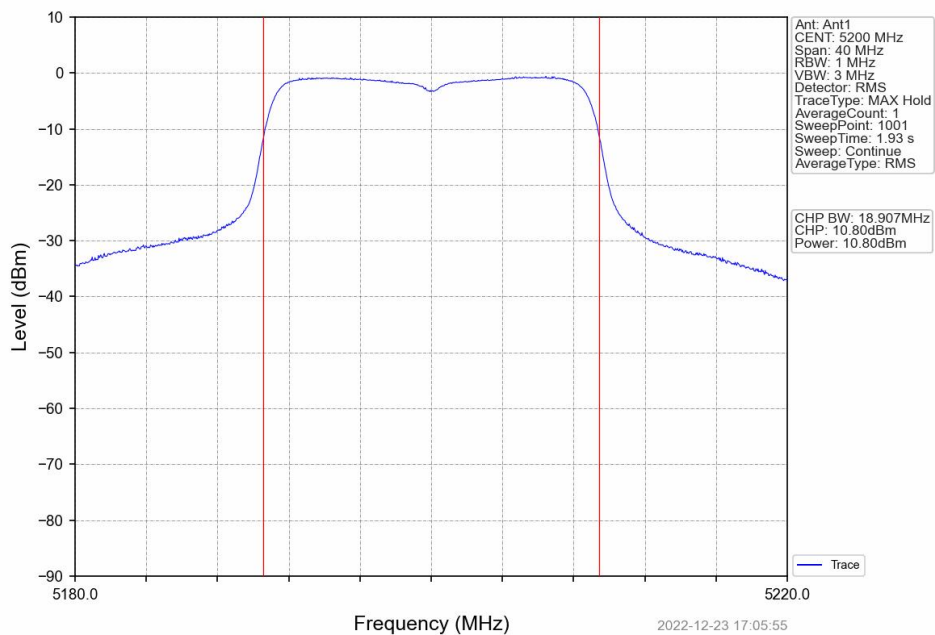
802.11a_HCH_5240MHz_Ant1_NTNV



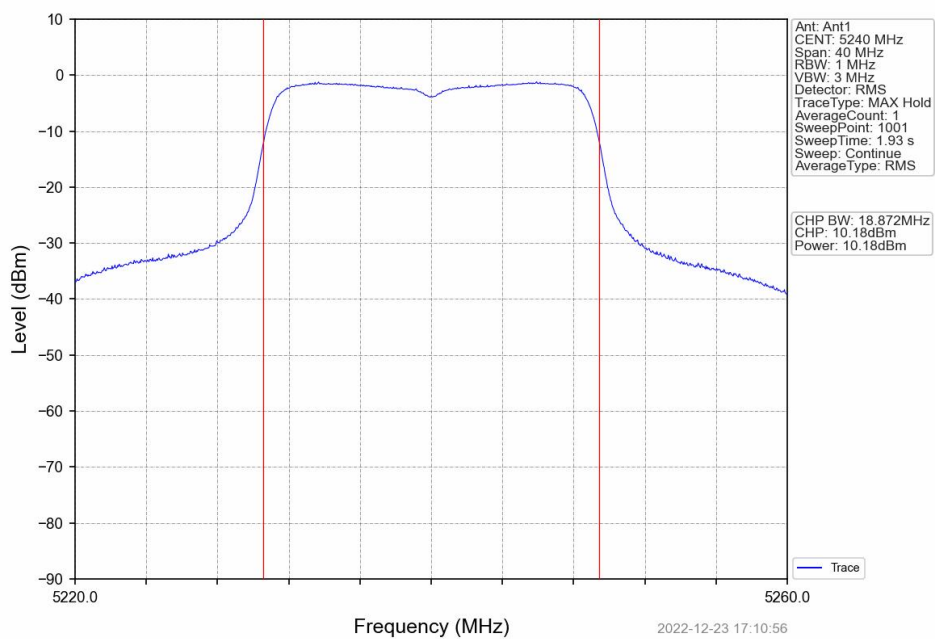
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



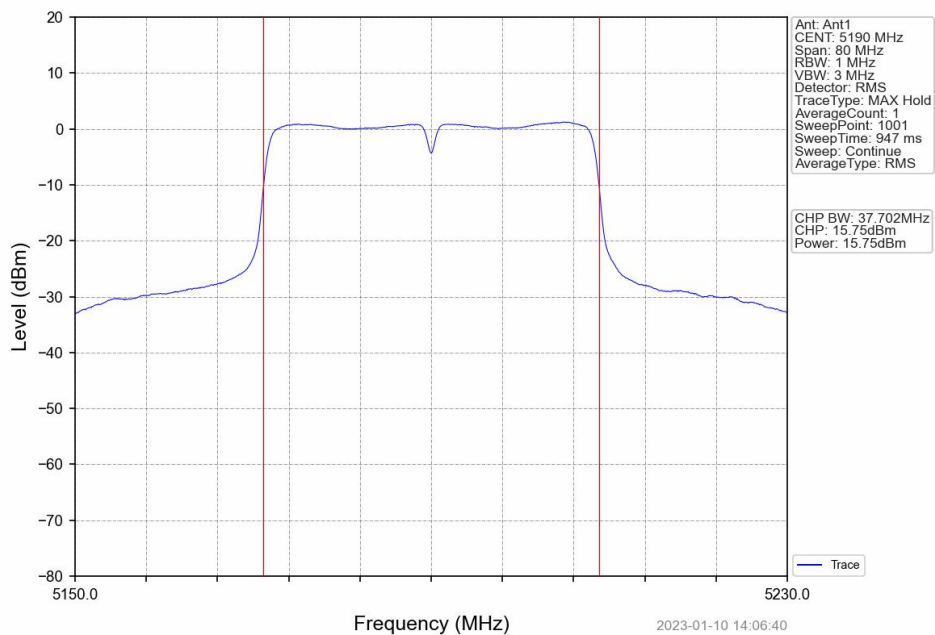
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



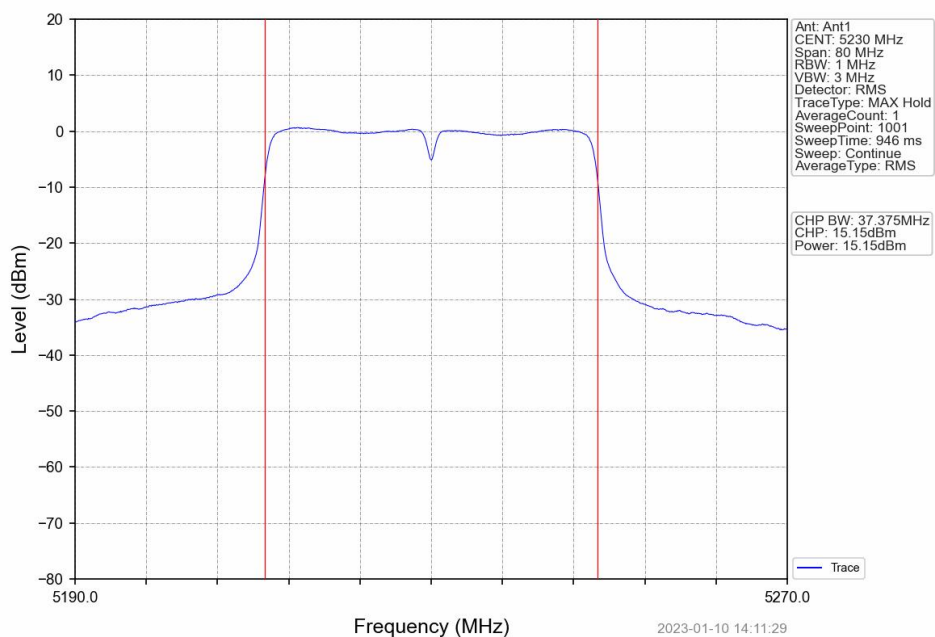
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



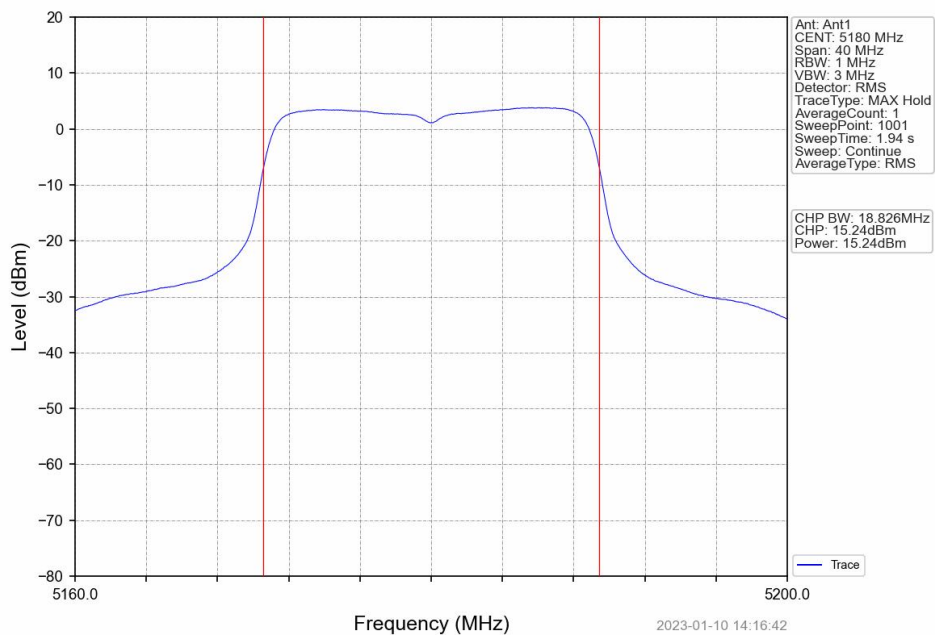
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



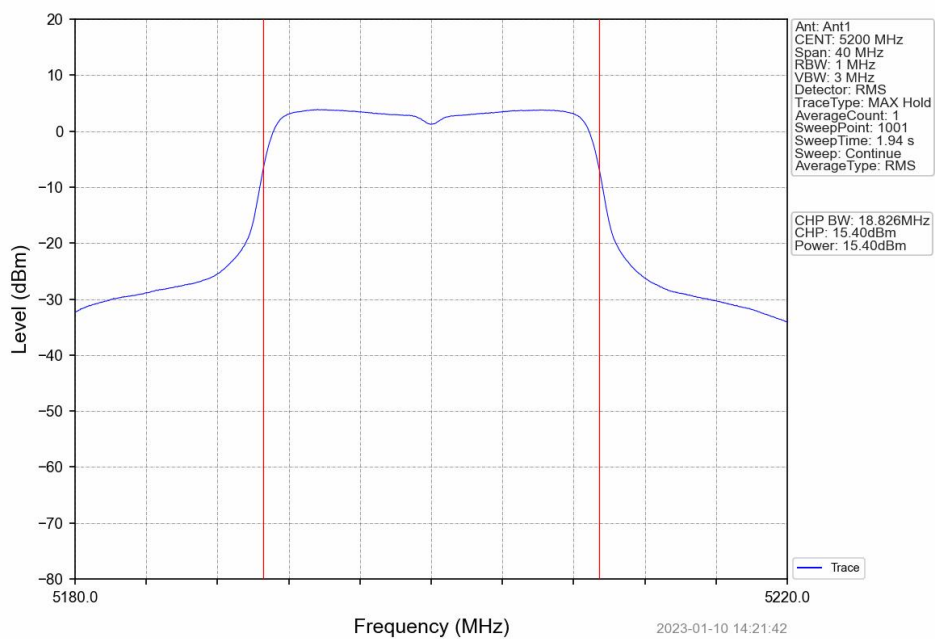
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



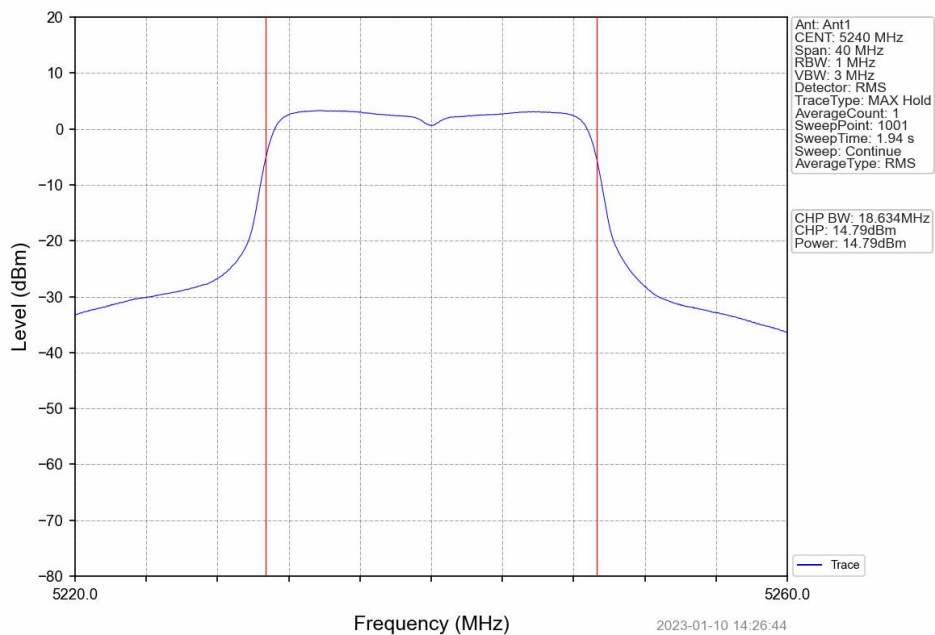
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



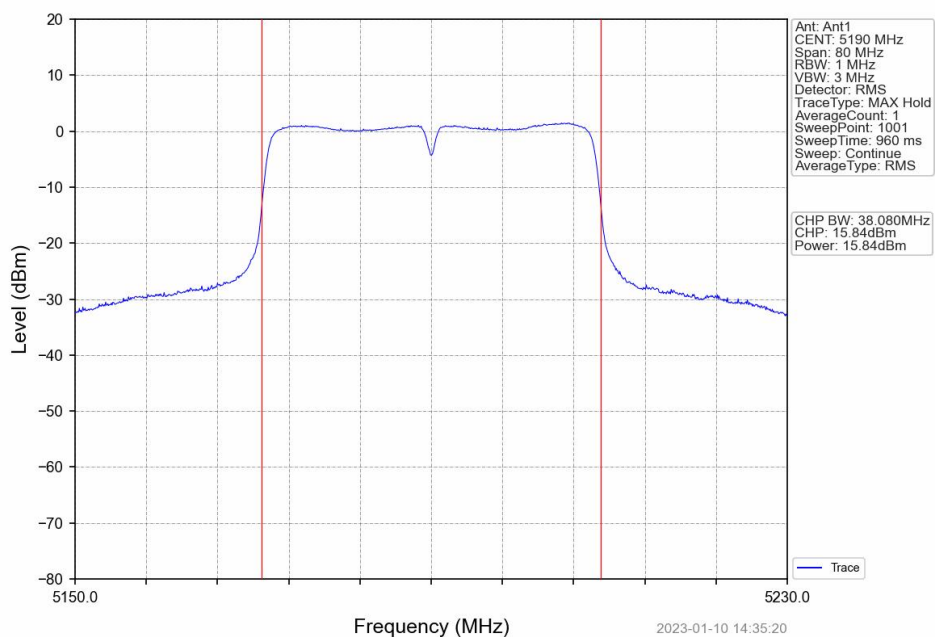
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



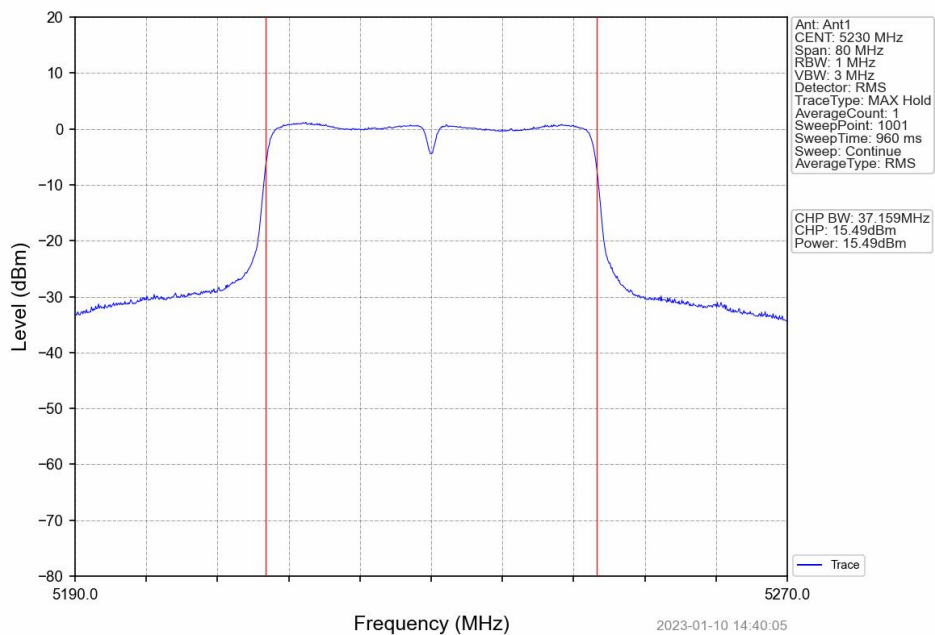
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



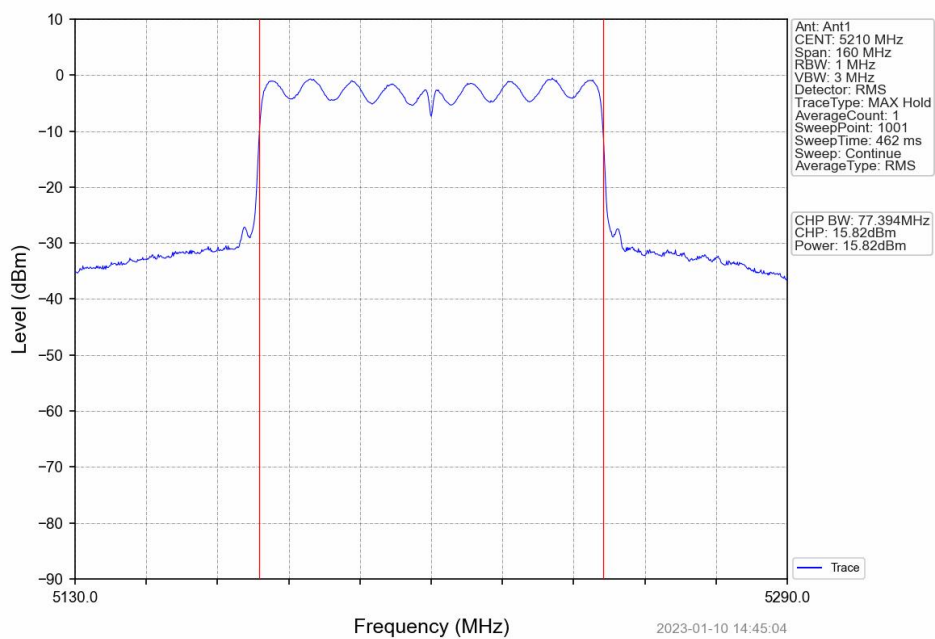
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



3. Maximum Power Spectral Density

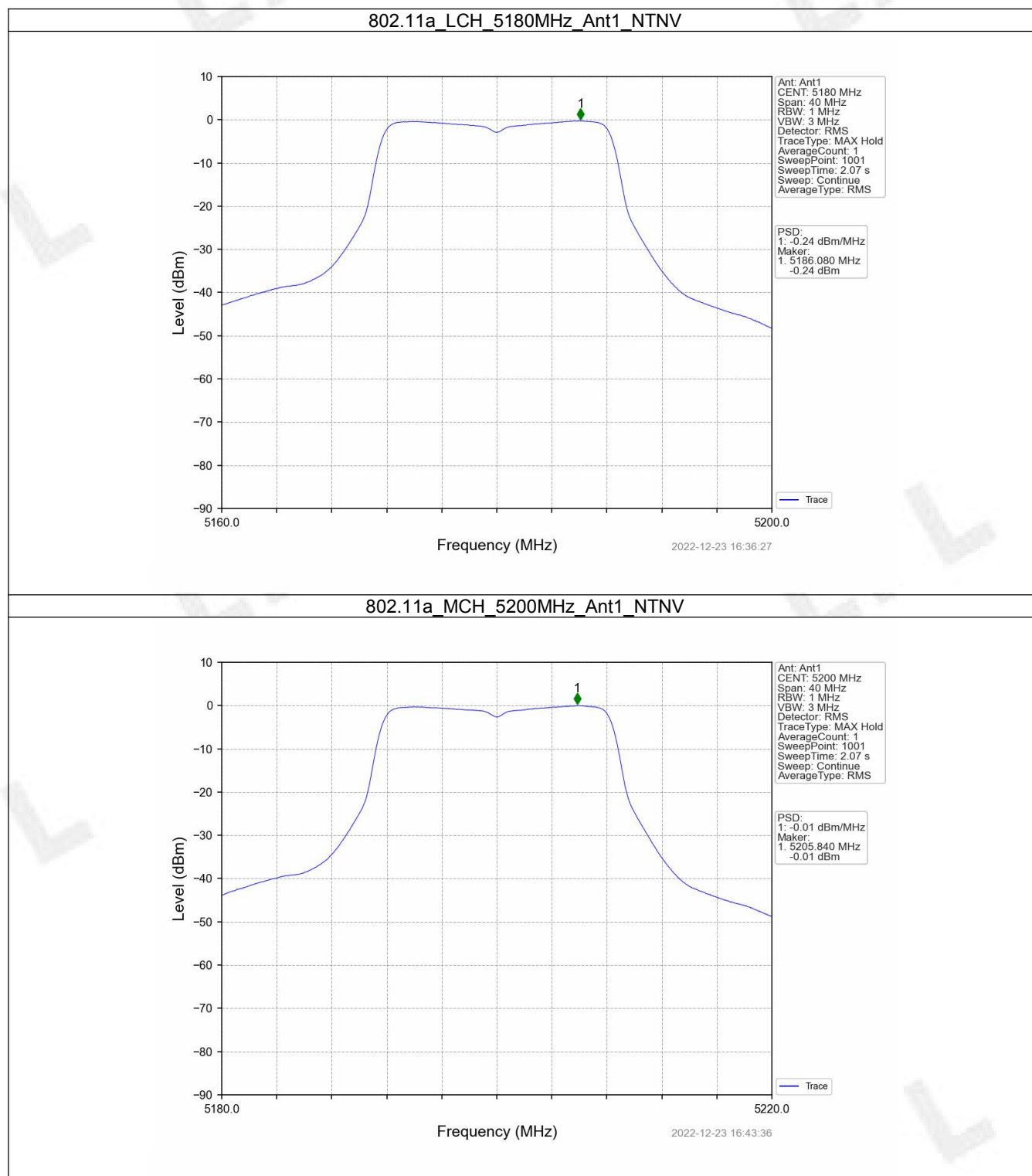
3.1 PSD

3.1.1 Test Result

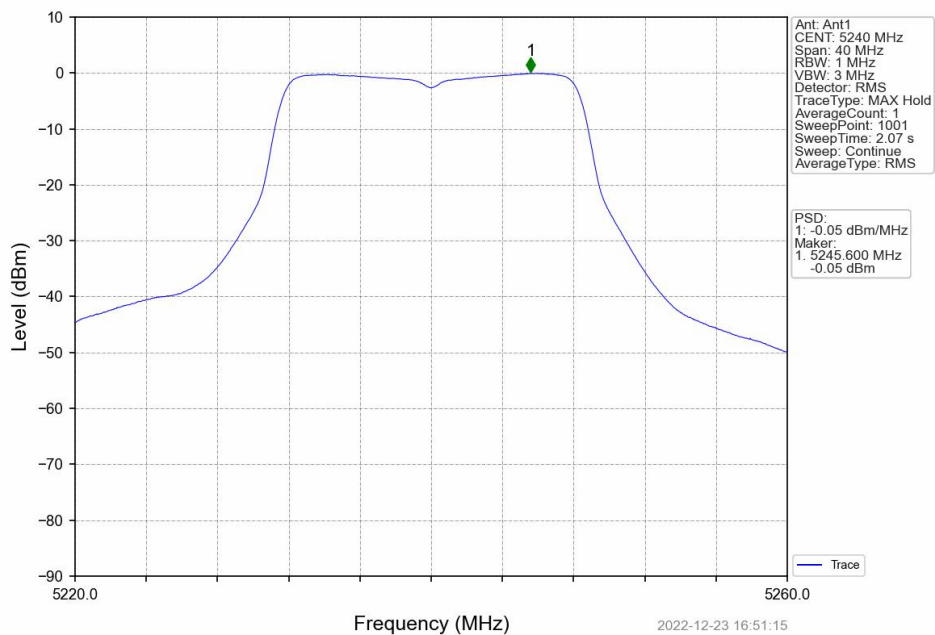
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/MHz)		Verdict
			ANT1	Limit	
802.11a	SISO	5180	-0.24	<=11	Pass
		5200	-0.01	<=11	Pass
		5240	-0.05	<=11	Pass
802.11n (HT20)	SISO	5180	-0.28	<=11	Pass
		5200	-0.74	<=11	Pass
		5240	-1.20	<=11	Pass
802.11n (HT40)	SISO	5190	1.28	<=11	Pass
		5230	0.72	<=11	Pass
802.11ac (VHT20)	SISO	5180	3.82	<=11	Pass
		5200	3.87	<=11	Pass
		5240	3.51	<=11	Pass
802.11ac (VHT40)	SISO	5190	1.50	<=11	Pass
		5230	1.21	<=11	Pass
802.11ac (VHT80)	SISO	5210	-0.61	<=11	Pass

Note1: Antenna Gain: Ant1: 1.10dBi;

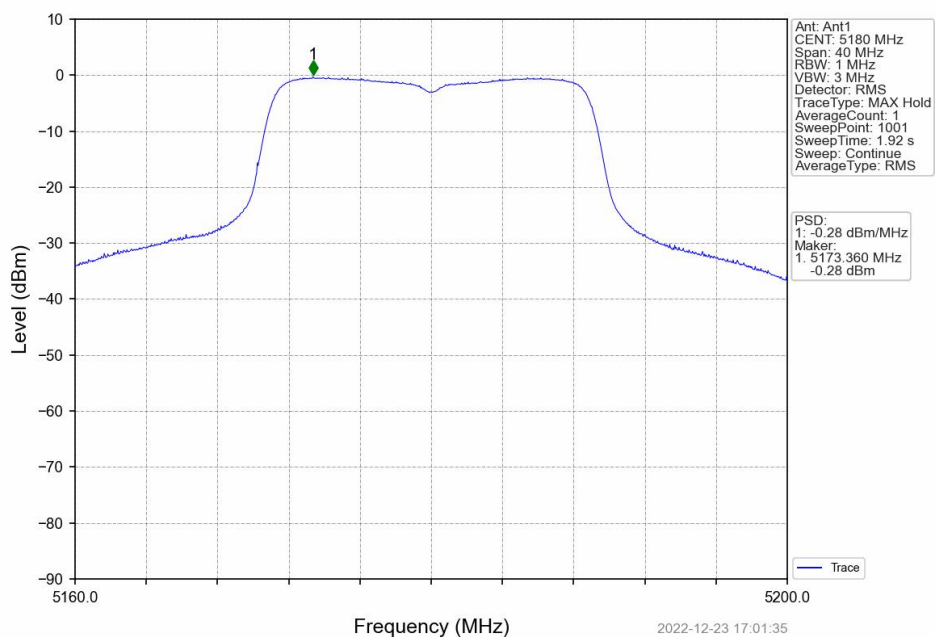
3.1.2 Test Graph



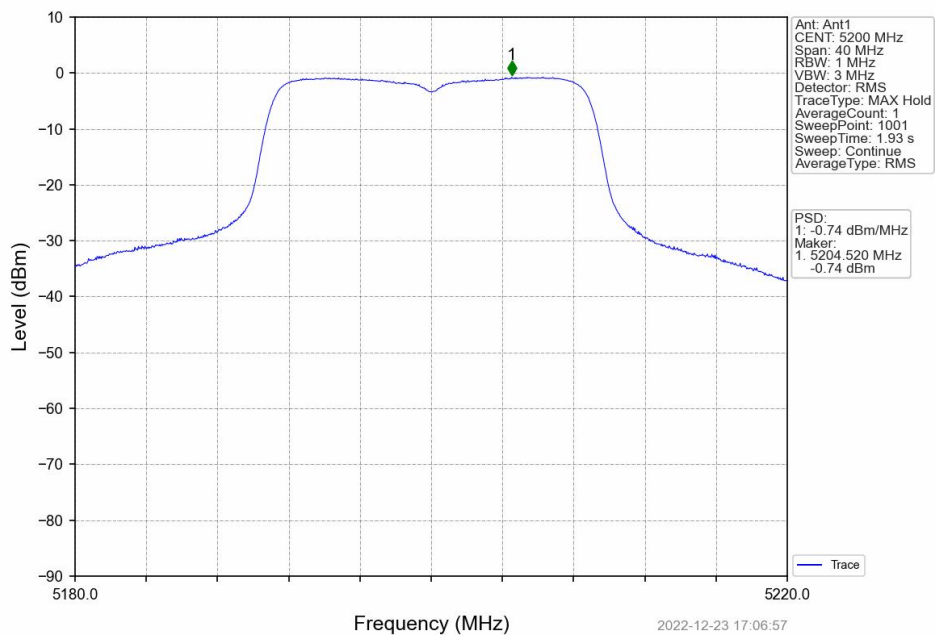
802.11a_HCH_5240MHz_Ant1_NTNV



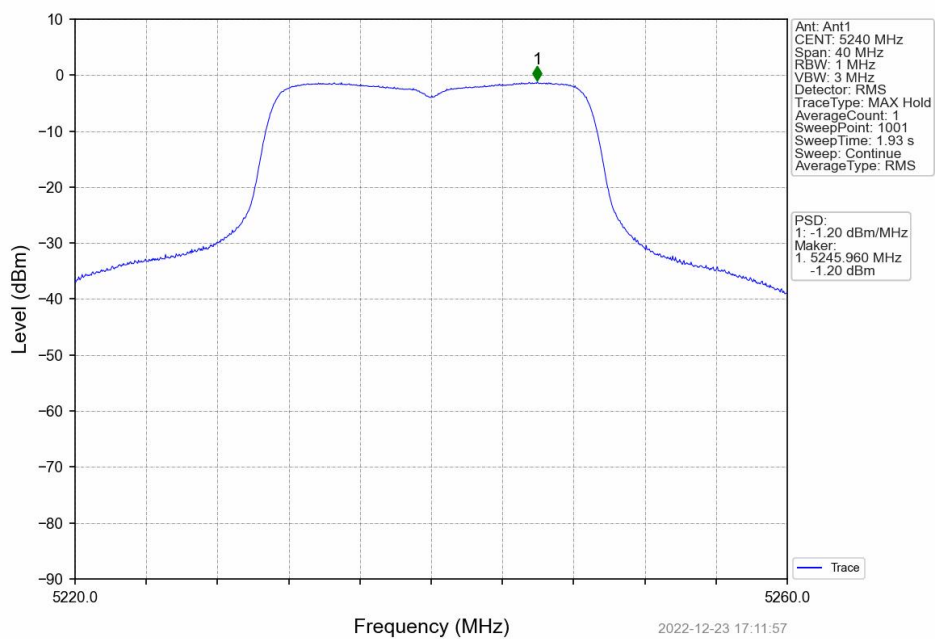
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



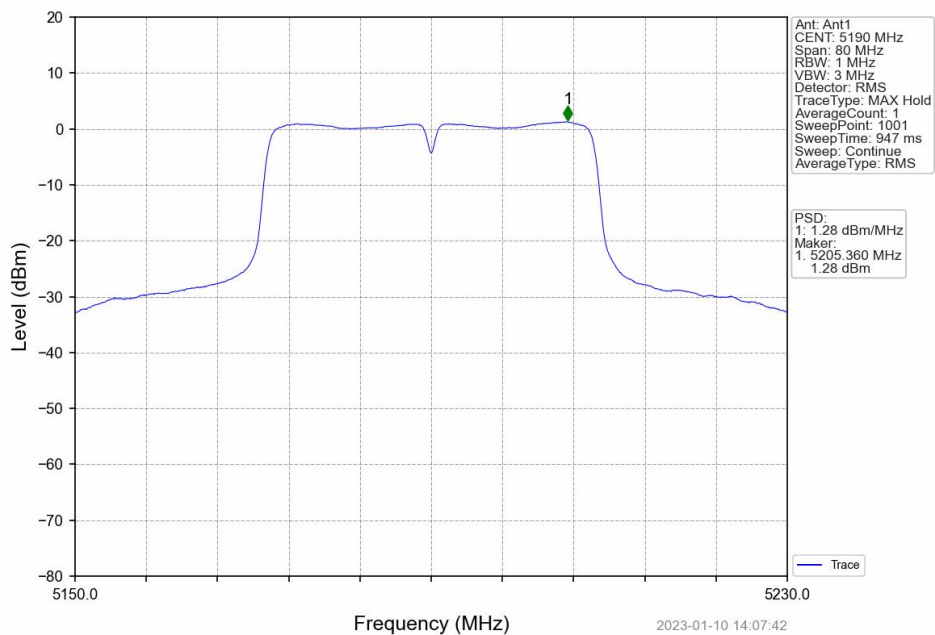
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



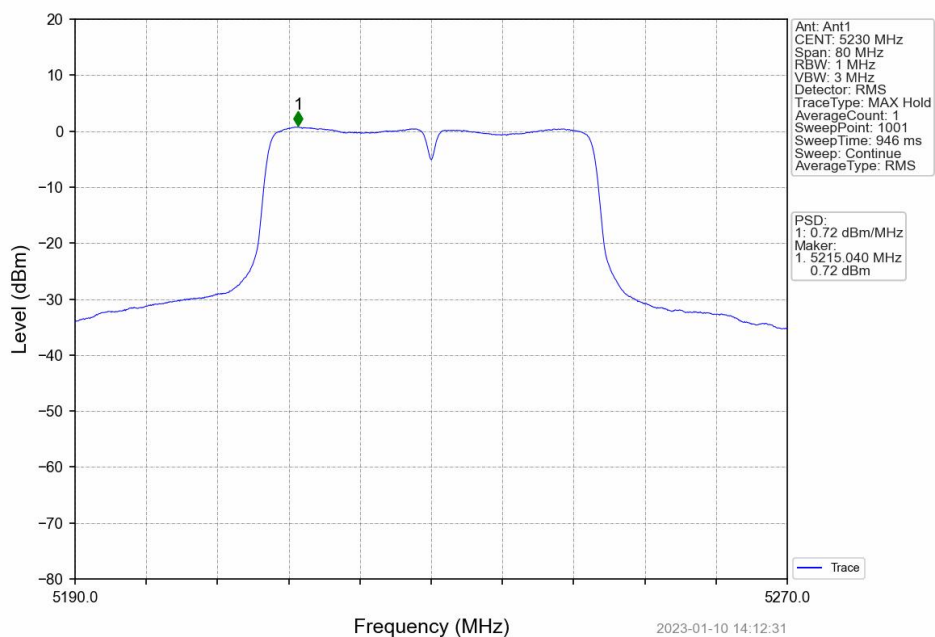
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



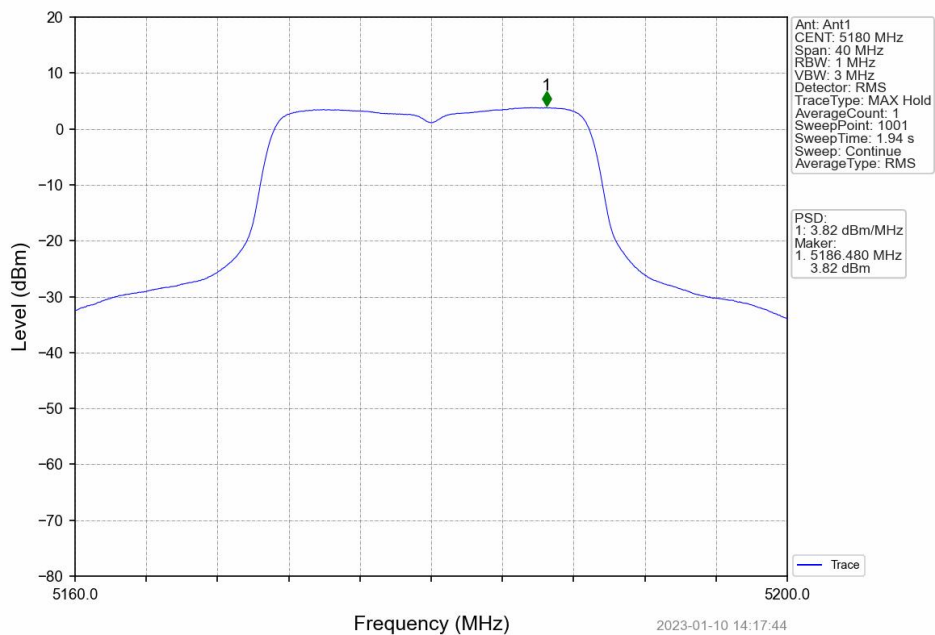
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



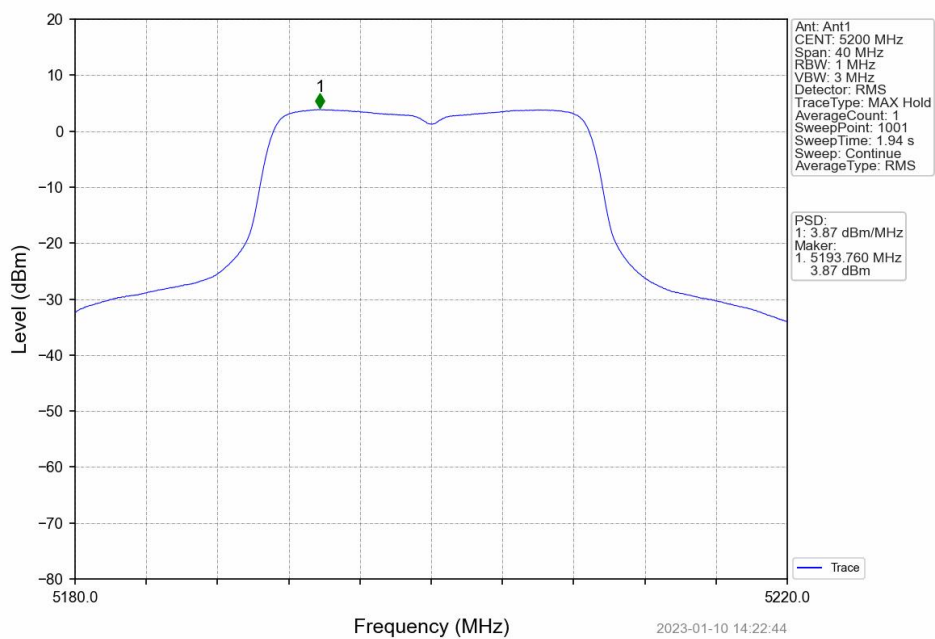
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



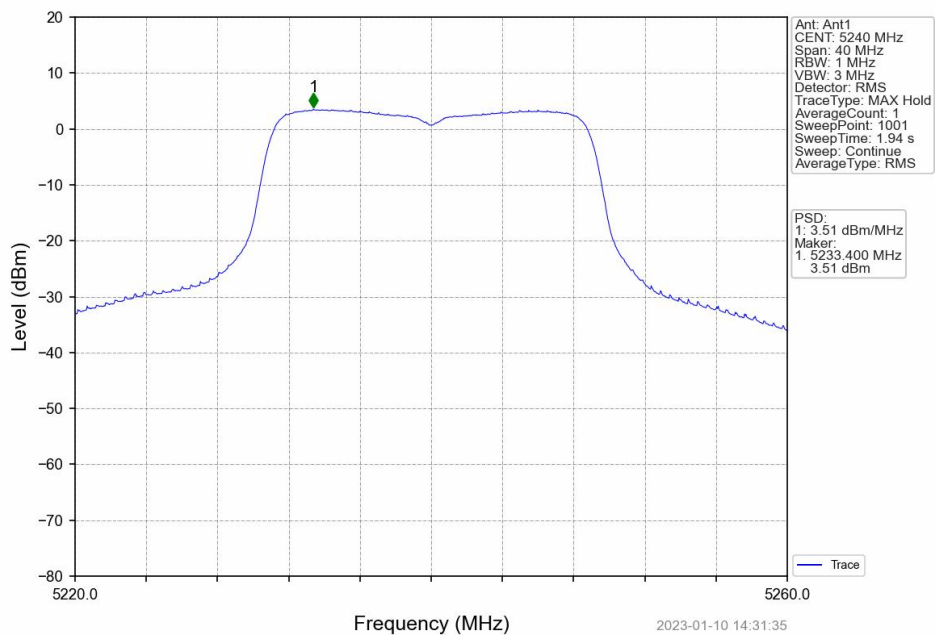
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



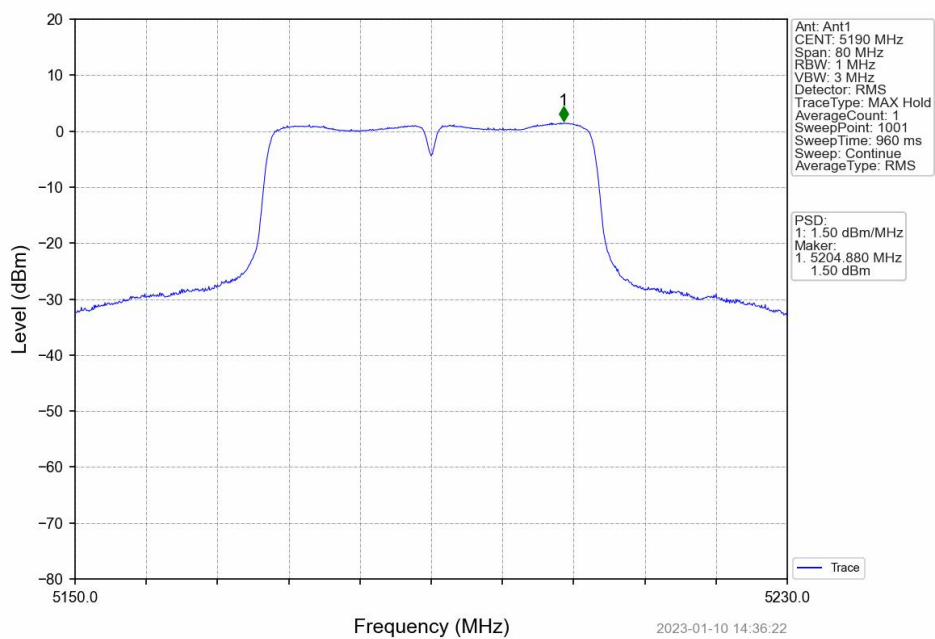
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



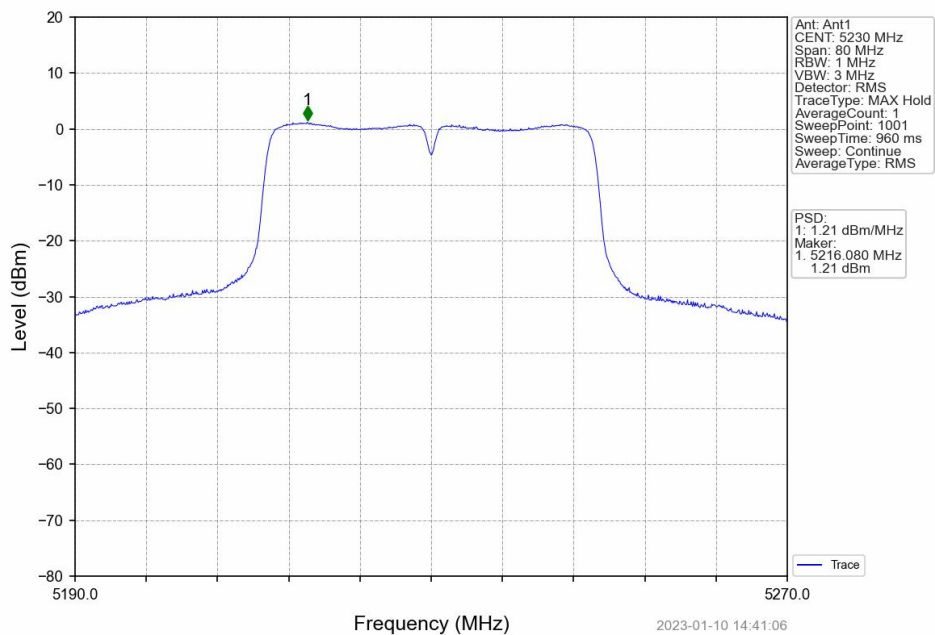
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



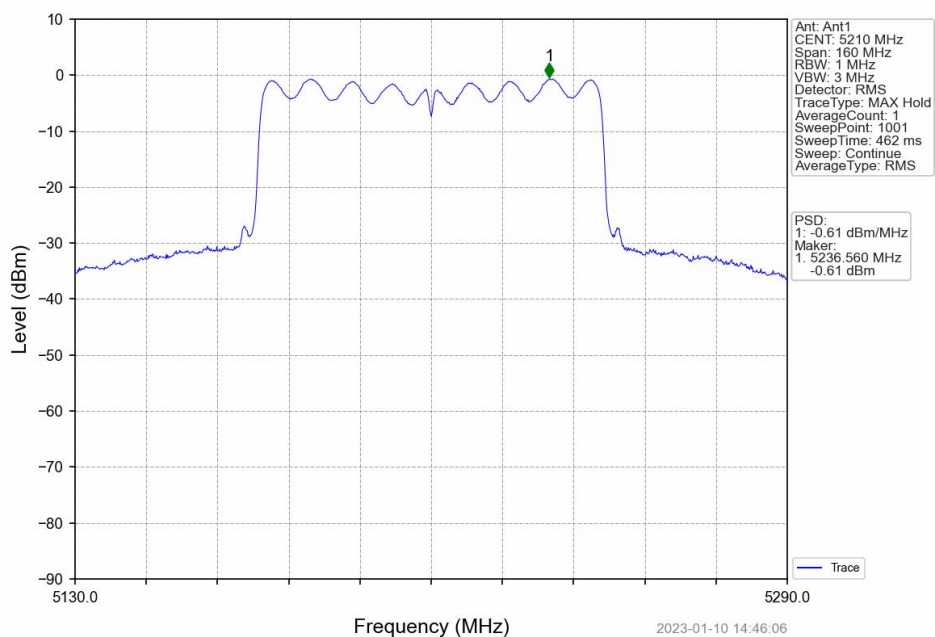
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



4. Frequency Stability

4.1 Ant1

4.1.1 Test Result

Ant1							
Mode	TX Type	Frequency (MHz)	Temperature (°C)	Voltage (VAC)	Measured Frequency (MHz)	Limit (MHz)	Verdict
802.11a	SISO	5180	20	102	5180.060	5150 to 5250	Pass
				120	5180.060	5150 to 5250	Pass
				138	5180.060	5150 to 5250	Pass
			-30	120	5180.080	5150 to 5250	Pass
			-20	120	5180.080	5150 to 5250	Pass
			-10	120	5180.080	5150 to 5250	Pass
			0	120	5180.080	5150 to 5250	Pass
			10	120	5180.060	5150 to 5250	Pass
			30	120	5180.060	5150 to 5250	Pass
			40	120	5180.080	5150 to 5250	Pass
			50	120	5180.060	5150 to 5250	Pass
		5200	20	102	5200.080	5150 to 5250	Pass
				120	5200.060	5150 to 5250	Pass
				138	5200.100	5150 to 5250	Pass
			-30	120	5200.100	5150 to 5250	Pass
			-20	120	5200.080	5150 to 5250	Pass
			-10	120	5200.080	5150 to 5250	Pass
			0	120	5200.080	5150 to 5250	Pass
			10	120	5200.080	5150 to 5250	Pass
			30	120	5200.100	5150 to 5250	Pass
			40	120	5200.100	5150 to 5250	Pass
			50	120	5200.080	5150 to 5250	Pass
		5240	20	102	5240.080	5150 to 5250	Pass
				120	5240.100	5150 to 5250	Pass
				138	5240.060	5150 to 5250	Pass
			-30	120	5240.040	5150 to 5250	Pass
			-20	120	5240.080	5150 to 5250	Pass
			-10	120	5240.080	5150 to 5250	Pass
			0	120	5240.100	5150 to 5250	Pass
			10	120	5240.100	5150 to 5250	Pass
			30	120	5240.080	5150 to 5250	Pass
			40	120	5240.080	5150 to 5250	Pass
			50	120	5240.040	5150 to 5250	Pass
802.11n (HT20)	SISO	5180	20	102	5180.100	5150 to 5250	Pass
				120	5180.060	5150 to 5250	Pass
				138	5180.020	5150 to 5250	Pass
			-30	120	5180.040	5150 to 5250	Pass
			-20	120	5180.060	5150 to 5250	Pass
			-10	120	5180.080	5150 to 5250	Pass
			0	120	5180.040	5150 to 5250	Pass
			10	120	5180.040	5150 to 5250	Pass
			30	120	5180.080	5150 to 5250	Pass
			40	120	5180.060	5150 to 5250	Pass
			50	120	5180.080	5150 to 5250	Pass
		5200	20	102	5200.020	5150 to 5250	Pass
				120	5200.060	5150 to 5250	Pass
				138	5200.040	5150 to 5250	Pass

			-30	120	5200.080	5150 to 5250	Pass
			-20	120	5200.060	5150 to 5250	Pass
			-10	120	5200.100	5150 to 5250	Pass
			0	120	5200.140	5150 to 5250	Pass
			10	120	5200.080	5150 to 5250	Pass
			30	120	5200.060	5150 to 5250	Pass
			40	120	5200.060	5150 to 5250	Pass
			50	120	5200.060	5150 to 5250	Pass
		5240	20	102	5240.000	5150 to 5250	Pass
				120	5240.100	5150 to 5250	Pass
				138	5240.080	5150 to 5250	Pass
			-30	120	5240.020	5150 to 5250	Pass
			-20	120	5240.000	5150 to 5250	Pass
			-10	120	5240.020	5150 to 5250	Pass
			0	120	5240.000	5150 to 5250	Pass
			10	120	5240.020	5150 to 5250	Pass
			30	120	5240.020	5150 to 5250	Pass
			40	120	5240.000	5150 to 5250	Pass
			50	120	5240.020	5150 to 5250	Pass
802.11n (HT40)	SISO	5190	20	102	5190.120	5150 to 5250	Pass
				120	5190.160	5150 to 5250	Pass
				138	5190.160	5150 to 5250	Pass
			-30	120	5190.200	5150 to 5250	Pass
			-20	120	5190.120	5150 to 5250	Pass
			-10	120	5190.120	5150 to 5250	Pass
			0	120	5190.160	5150 to 5250	Pass
			10	120	5190.160	5150 to 5250	Pass
			30	120	5190.120	5150 to 5250	Pass
			40	120	5190.200	5150 to 5250	Pass
			50	120	5190.120	5150 to 5250	Pass
		5230	20	102	5230.080	5150 to 5250	Pass
				120	5230.120	5150 to 5250	Pass
				138	5230.080	5150 to 5250	Pass
			-30	120	5230.120	5150 to 5250	Pass
			-20	120	5230.120	5150 to 5250	Pass
			-10	120	5230.120	5150 to 5250	Pass
			0	120	5230.120	5150 to 5250	Pass
			10	120	5230.120	5150 to 5250	Pass
			30	120	5230.120	5150 to 5250	Pass
			40	120	5230.160	5150 to 5250	Pass
			50	120	5230.120	5150 to 5250	Pass
802.11ac (VHT20)	SISO	5180	20	102	5180.040	5150 to 5250	Pass
				120	5180.080	5150 to 5250	Pass
				138	5180.040	5150 to 5250	Pass
			-30	120	5180.080	5150 to 5250	Pass
			-20	120	5180.040	5150 to 5250	Pass
			-10	120	5180.040	5150 to 5250	Pass
			0	120	5180.060	5150 to 5250	Pass
			10	120	5180.080	5150 to 5250	Pass
			30	120	5180.100	5150 to 5250	Pass
			40	120	5180.060	5150 to 5250	Pass
			50	120	5180.040	5150 to 5250	Pass
		5200	20	102	5200.020	5150 to 5250	Pass
				120	5200.020	5150 to 5250	Pass
				138	5200.020	5150 to 5250	Pass
			-30	120	5200.020	5150 to 5250	Pass
			-20	120	5200.040	5150 to 5250	Pass
			-10	120	5200.060	5150 to 5250	Pass
			0	120	5200.060	5150 to 5250	Pass

			10	120	5200.020	5150 to 5250	Pass
			30	120	5200.040	5150 to 5250	Pass
			40	120	5200.060	5150 to 5250	Pass
			50	120	5200.000	5150 to 5250	Pass
		5240	20	102	5240.040	5150 to 5250	Pass
				120	5240.040	5150 to 5250	Pass
				138	5240.020	5150 to 5250	Pass
			-30	120	5240.100	5150 to 5250	Pass
			-20	120	5240.080	5150 to 5250	Pass
			-10	120	5240.000	5150 to 5250	Pass
			0	120	5240.000	5150 to 5250	Pass
			10	120	5240.000	5150 to 5250	Pass
			30	120	5240.040	5150 to 5250	Pass
			40	120	5240.080	5150 to 5250	Pass
			50	120	5240.040	5150 to 5250	Pass
802.11ac (VHT40)	SISO	5190	20	102	5190.040	5150 to 5250	Pass
				120	5190.080	5150 to 5250	Pass
				138	5190.080	5150 to 5250	Pass
			-30	120	5190.080	5150 to 5250	Pass
			-20	120	5190.000	5150 to 5250	Pass
			-10	120	5190.120	5150 to 5250	Pass
			0	120	5190.000	5150 to 5250	Pass
			10	120	5190.080	5150 to 5250	Pass
			30	120	5190.080	5150 to 5250	Pass
			40	120	5190.120	5150 to 5250	Pass
		5230	20	102	5190.040	5150 to 5250	Pass
				120	5230.080	5150 to 5250	Pass
				138	5230.120	5150 to 5250	Pass
			-30	120	5230.080	5150 to 5250	Pass
			-20	120	5230.080	5150 to 5250	Pass
			-10	120	5230.080	5150 to 5250	Pass
			0	120	5230.120	5150 to 5250	Pass
			10	120	5230.080	5150 to 5250	Pass
			30	120	5230.080	5150 to 5250	Pass
			40	120	5230.120	5150 to 5250	Pass
802.11ac (VHT80)	SISO	5210	20	102	5230.040	5150 to 5250	Pass
				120	5210.075	5150 to 5250	Pass
				138	5210.075	5150 to 5250	Pass
			-30	120	5210.075	5150 to 5250	Pass
			-20	120	5210.150	5150 to 5250	Pass
			-10	120	5210.075	5150 to 5250	Pass
			0	120	5210.150	5150 to 5250	Pass
			10	120	5210.150	5150 to 5250	Pass
			30	120	5210.075	5150 to 5250	Pass
			40	120	5210.075	5150 to 5250	Pass
			50	120	5210.075	5150 to 5250	Pass