

1. Bandwidth

1.1 Test Result

1.1.1 OBW

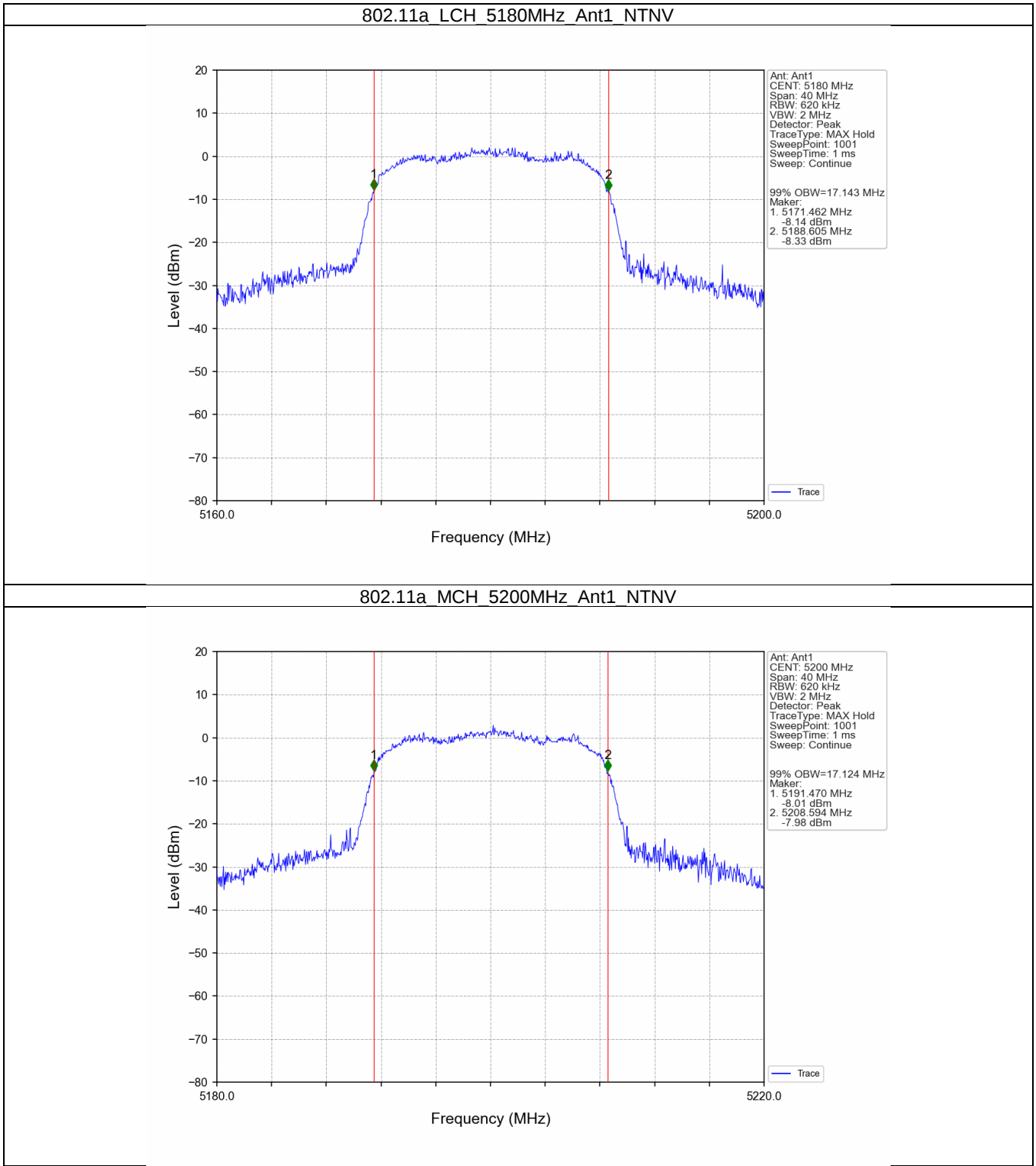
Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5180	1	17.143	/	Pass
		5200	1	17.124	/	Pass
		5240	1	17.248	/	Pass
802.11n (HT20)	SISO	5180	1	17.839	/	Pass
		5200	1	17.899	/	Pass
		5240	1	17.876	/	Pass
802.11n (HT40)	SISO	5190	1	36.392	/	Pass
		5230	1	36.451	/	Pass

1.1.2 26dB BW

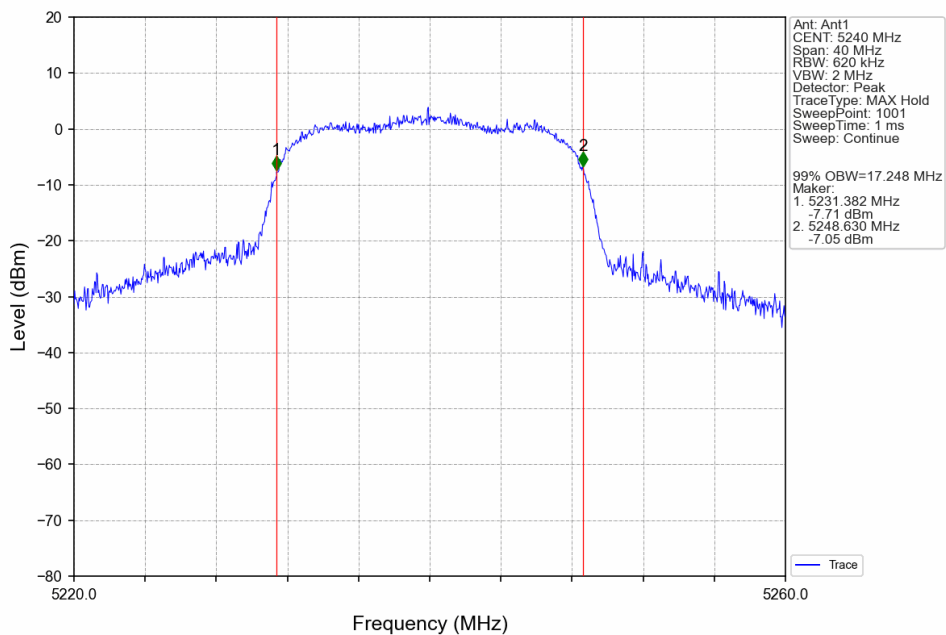
Mode	TX Type	Frequency (MHz)	ANT	26dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5180	1	18.847	/	Pass
		5200	1	18.925	/	Pass
		5240	1	22.866	/	Pass
802.11n (HT20)	SISO	5180	1	19.229	/	Pass
		5200	1	19.350	/	Pass
		5240	1	19.341	/	Pass
802.11n (HT40)	SISO	5190	1	39.746	/	Pass
		5230	1	41.761	/	Pass

1.2 Test Graph

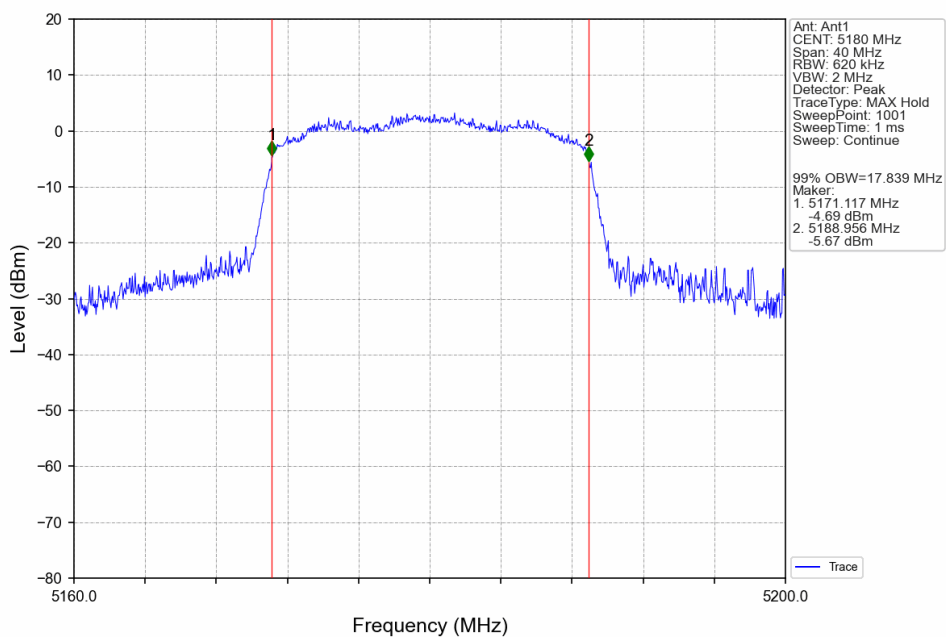
1.2.1 OBW



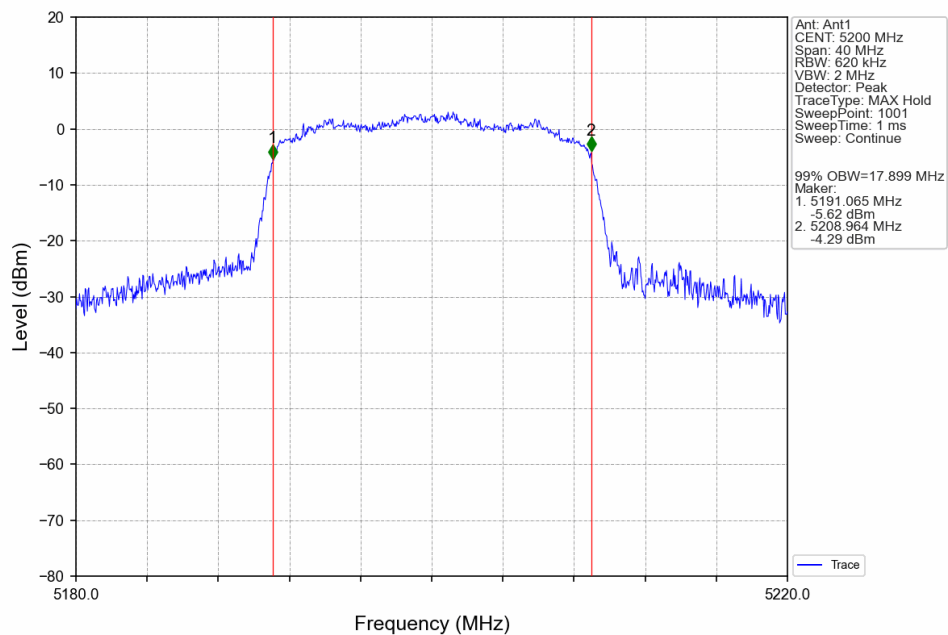
802.11a HCH 5240MHz Ant1 NTVN



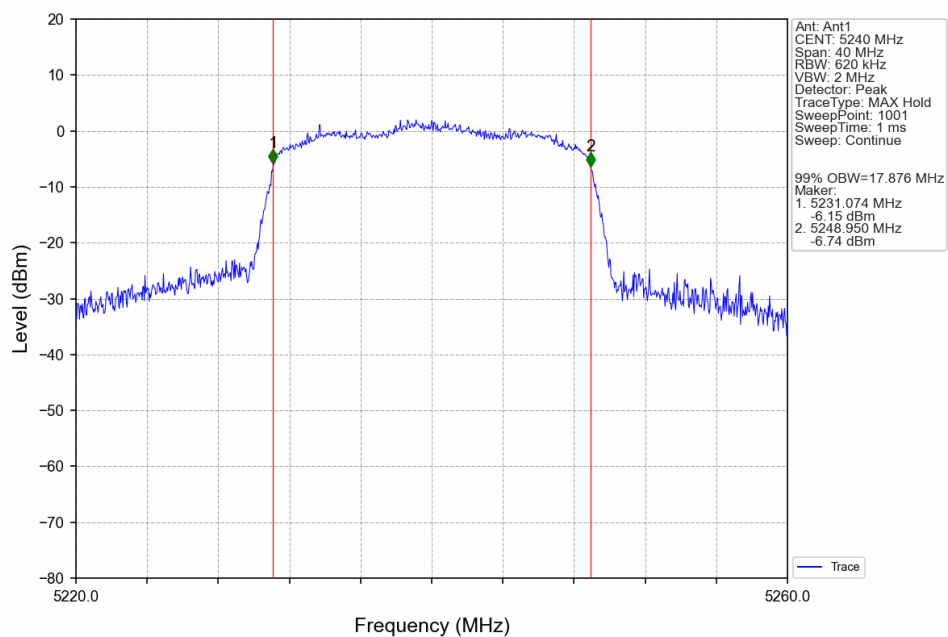
802.11n(HT20) LCH 5180MHz Ant1 NTVN



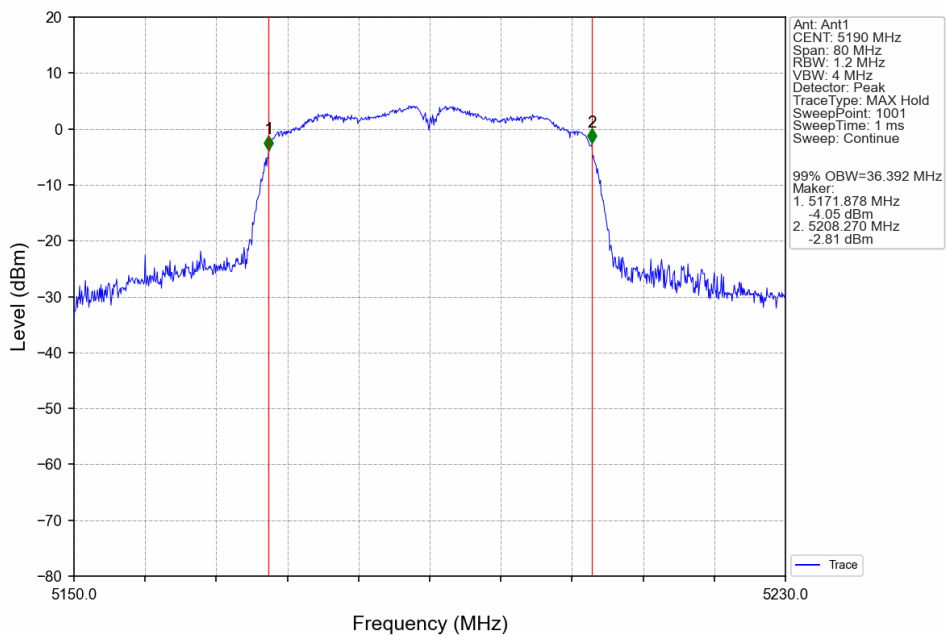
802.11n(HT20) MCH 5200MHz Ant1 NTN



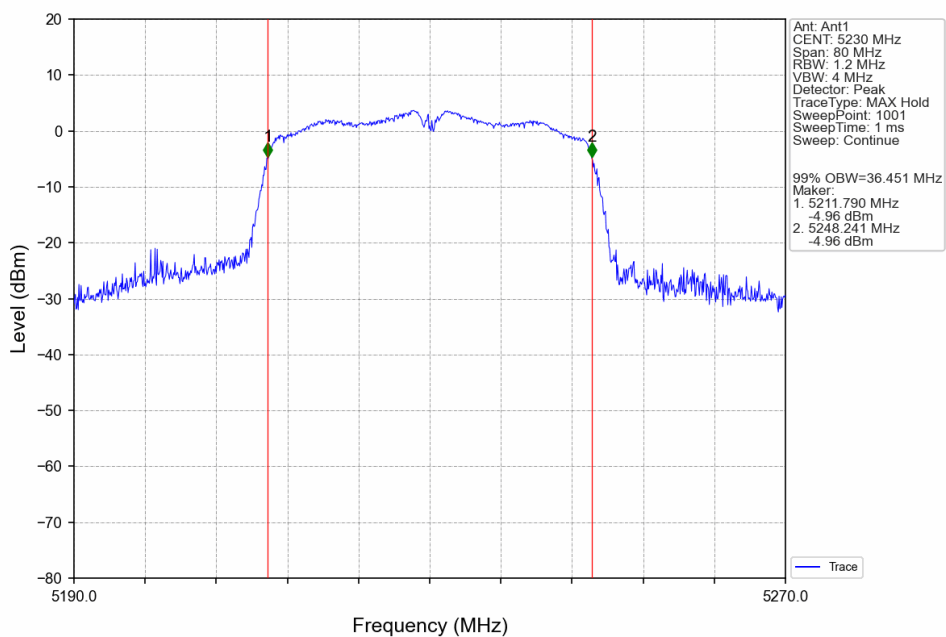
802.11n(HT20) HCH 5240MHz Ant1 NTN



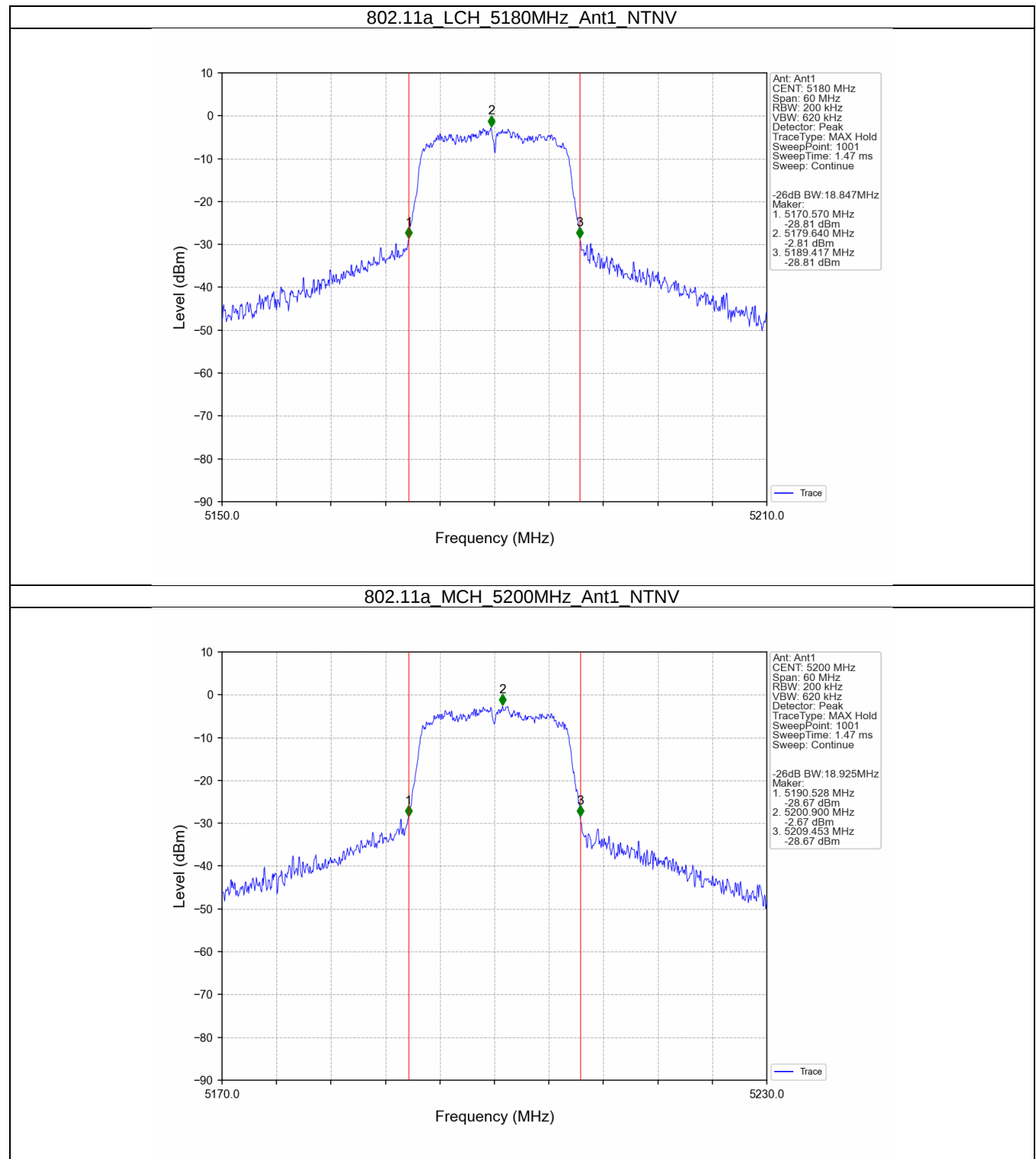
802.11n(HT40) LCH 5190MHz Ant1 NTV

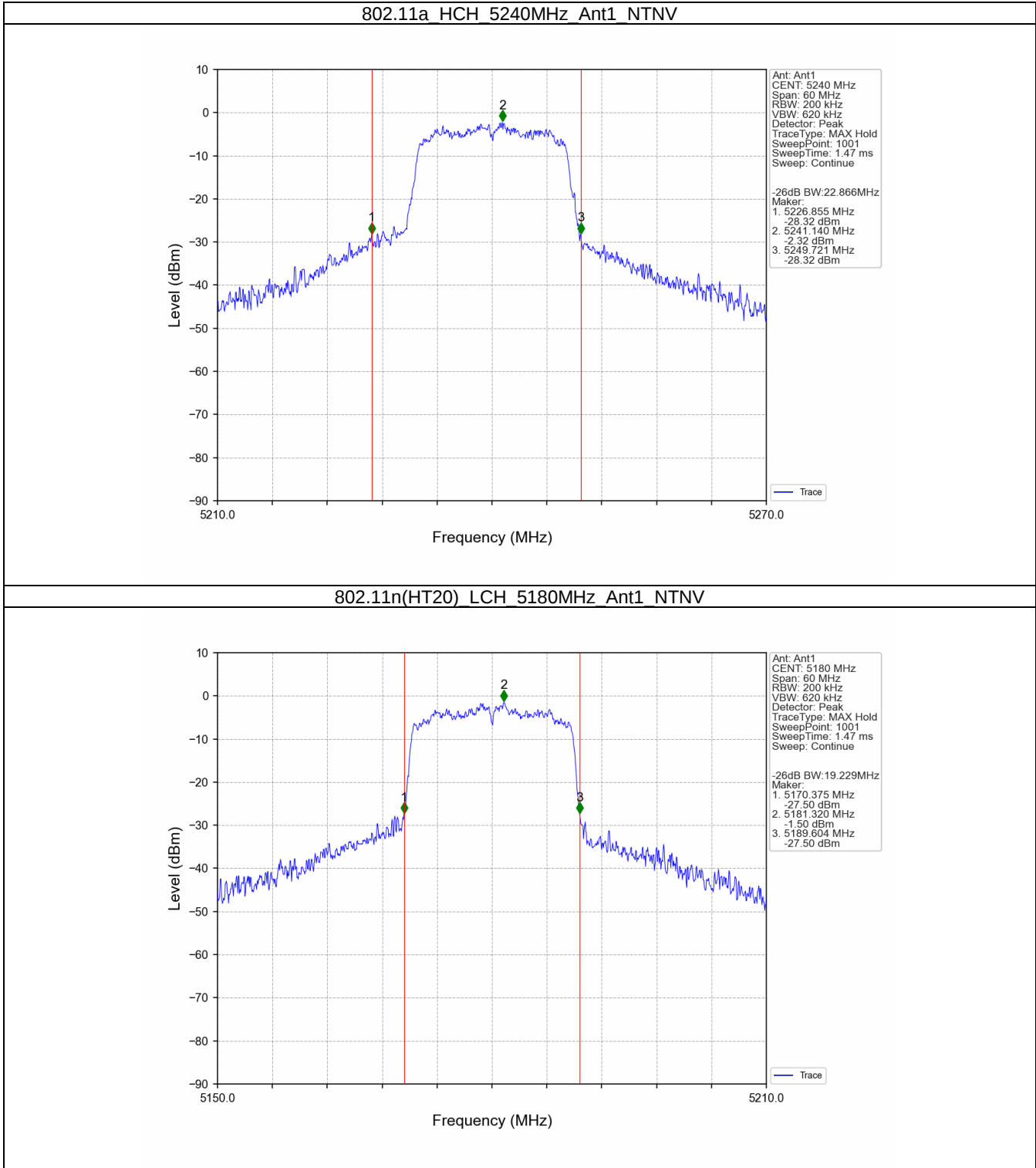


802.11n(HT40) HCH 5230MHz Ant1 NTV

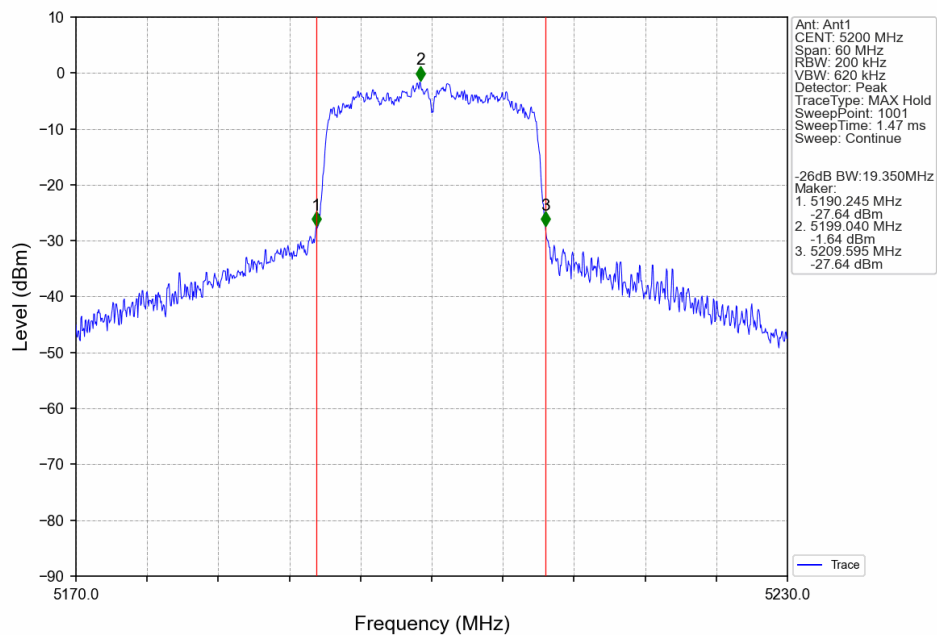


1.2.2 26dB BW

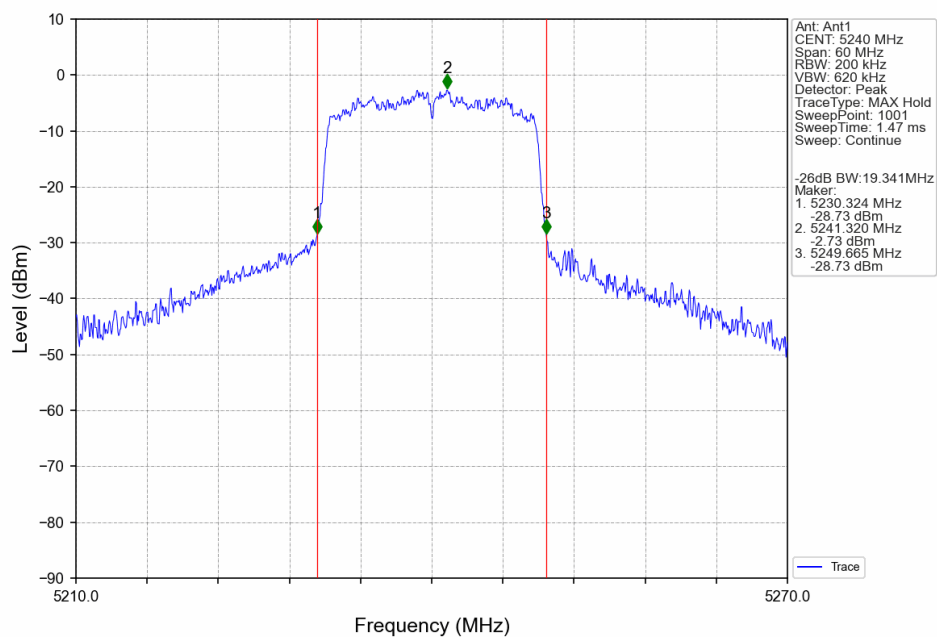




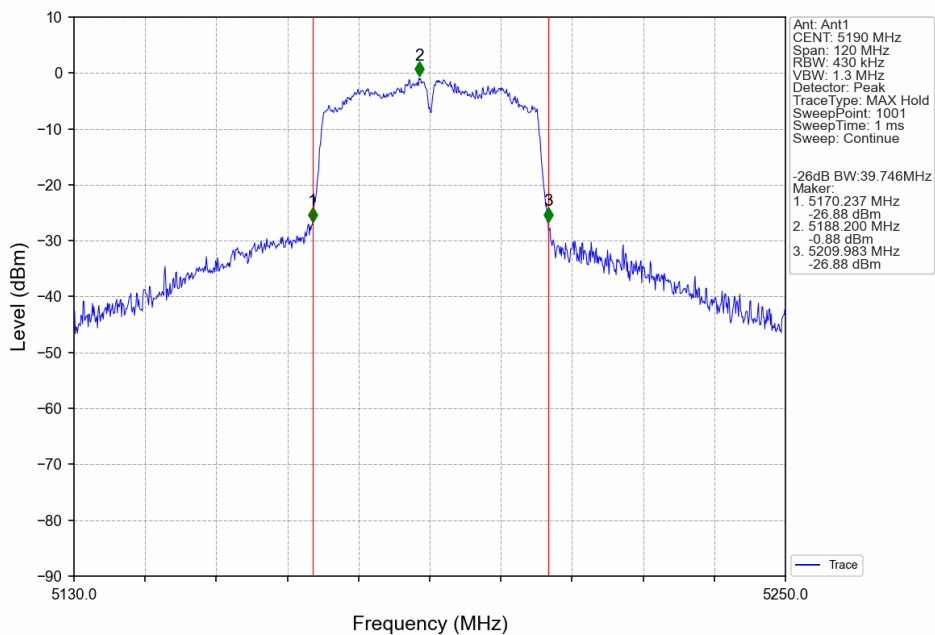
802.11n(HT20) MCH 5200MHz Ant1 NTN



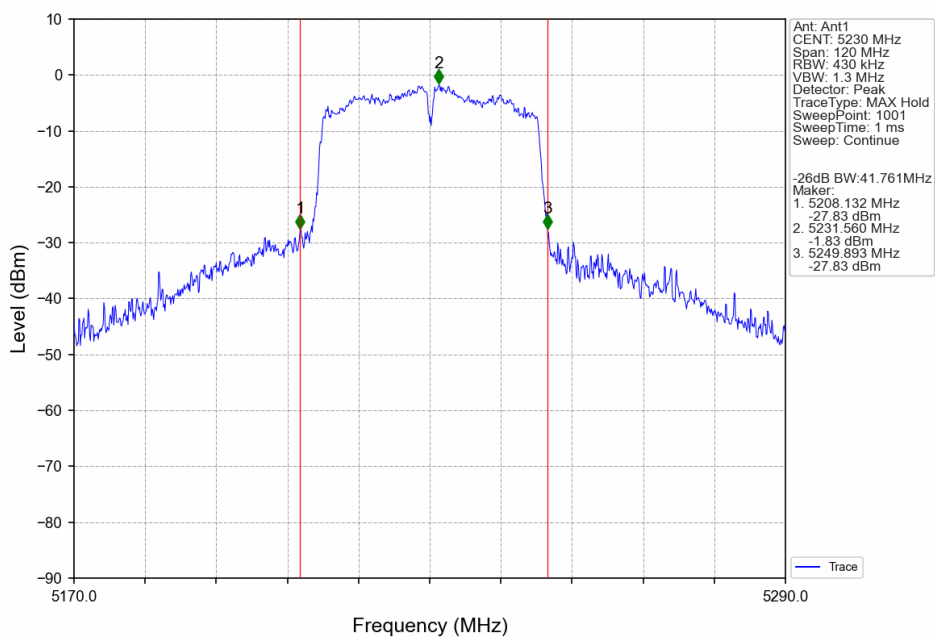
802.11n(HT20) HCH 5240MHz Ant1 NTN



802.11n(HT40) LCH 5190MHz Ant1 NTV



802.11n(HT40) HCH 5230MHz Ant1 NTV



2. Maximum Conducted Output Power

2.1 Test Result

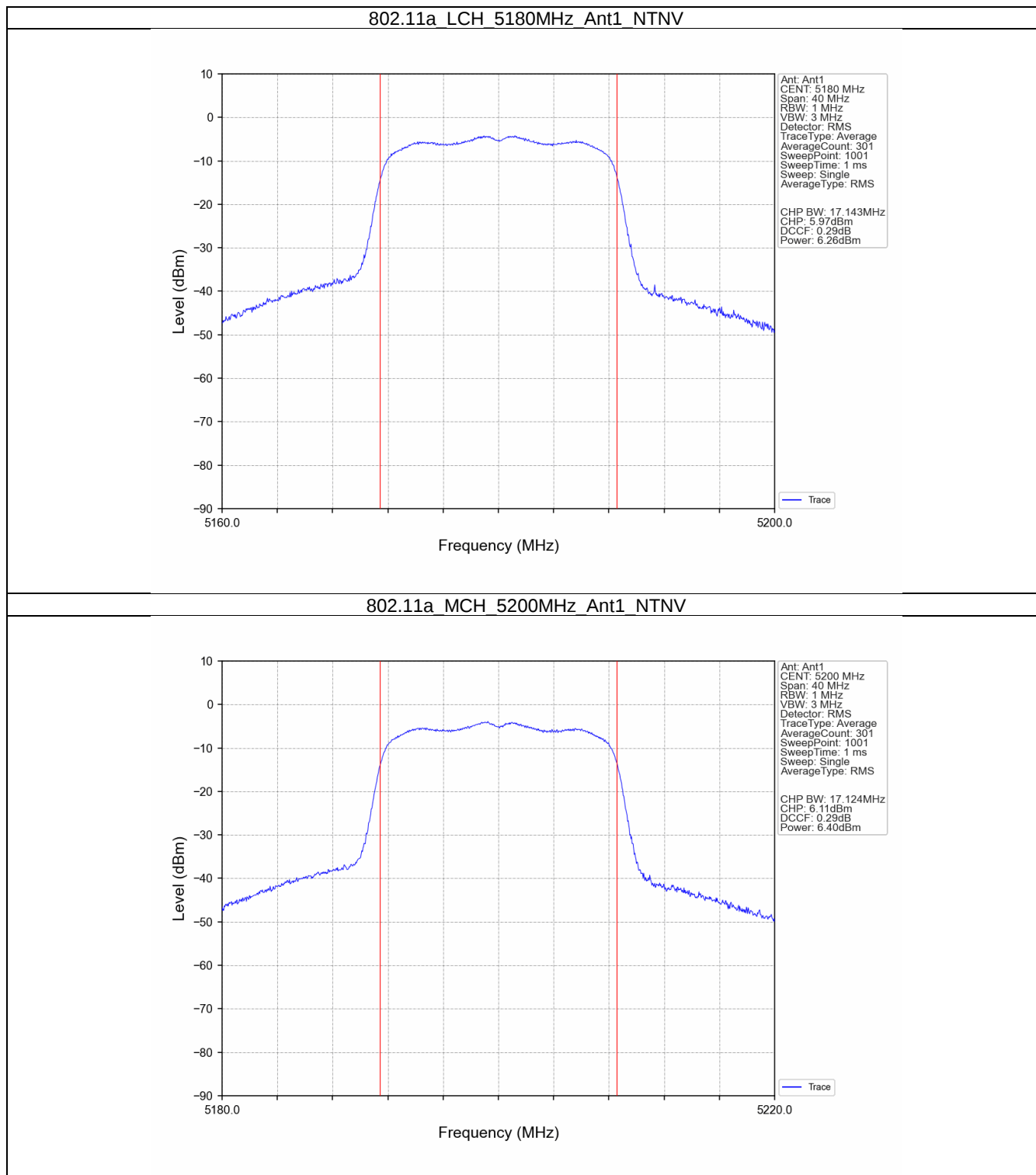
2.1.1 Power

Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
802.11a	SISO	5180	6.26	<=23.98	Pass
		5200	6.40	<=23.98	Pass
		5240	6.82	<=23.98	Pass
802.11n (HT20)	SISO	5180	7.59	<=23.98	Pass
		5200	7.33	<=23.98	Pass
		5240	6.35	<=23.98	Pass
802.11n (HT40)	SISO	5190	7.74	<=23.98	Pass
		5230	7.23	<=23.98	Pass

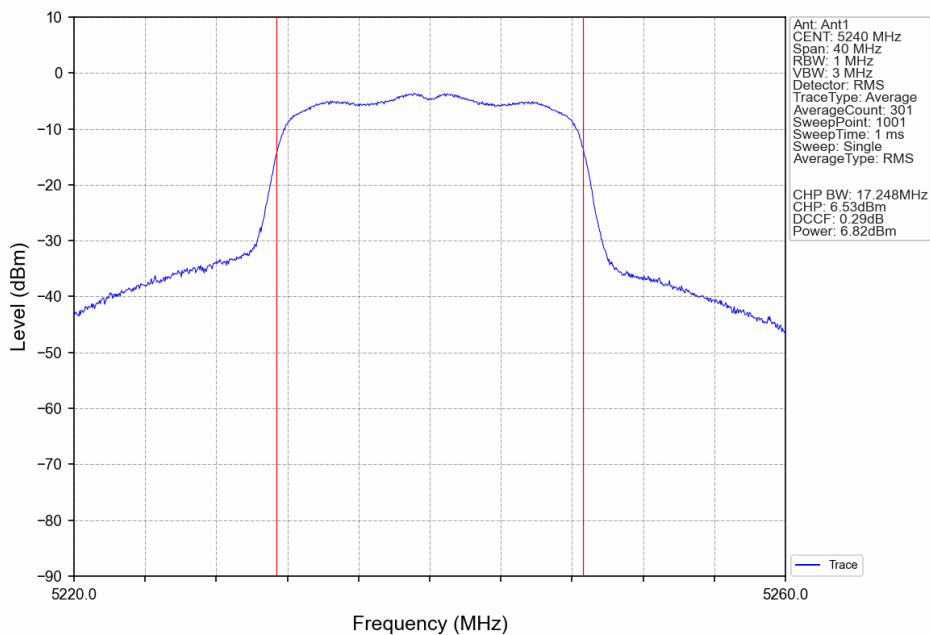
Note1: Antenna Gain: Ant1: 2.91dBi;

2.2 Test Graph

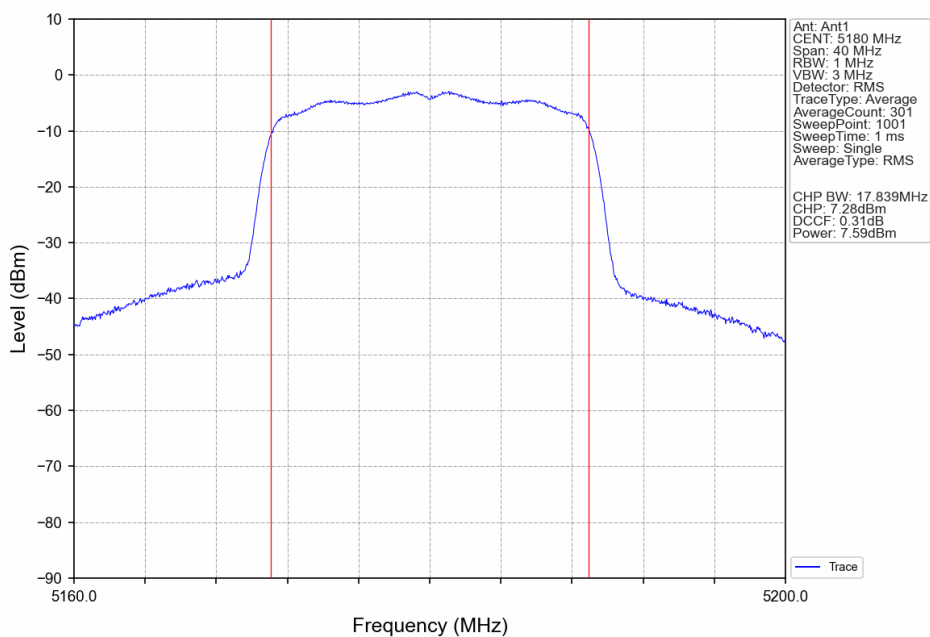
2.2.1 Power



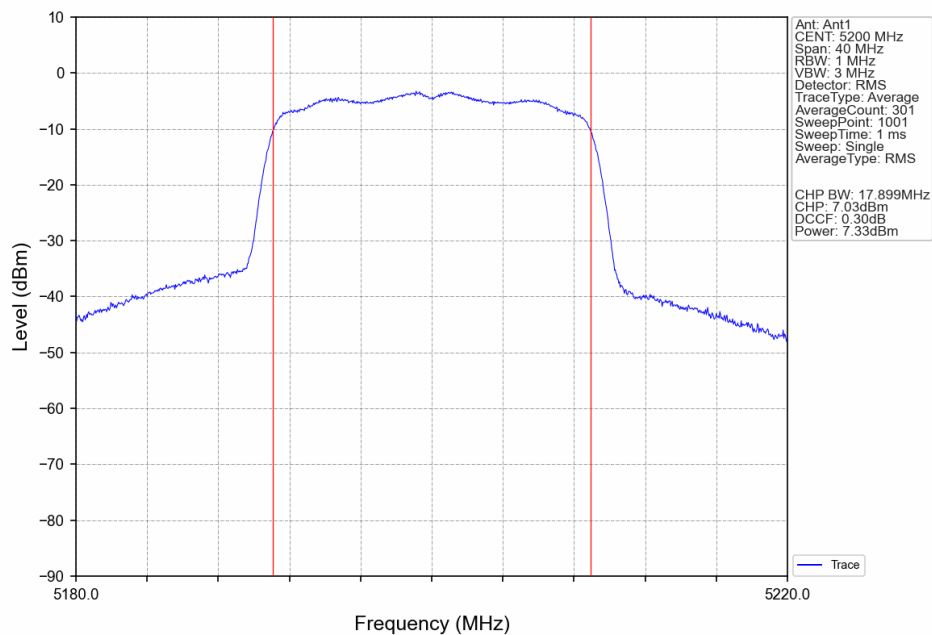
802.11a HCH 5240MHz Ant1 NTNV



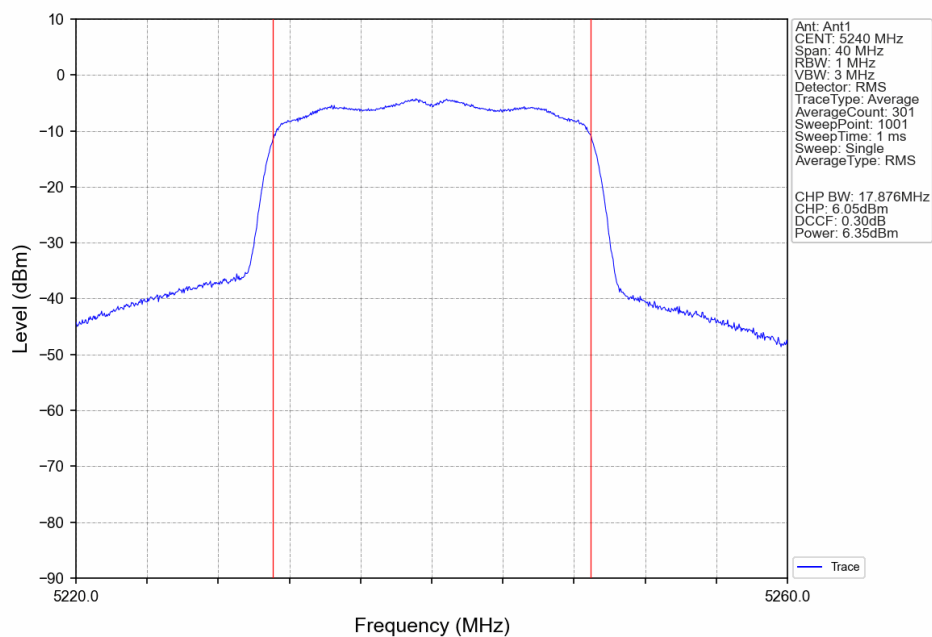
802.11n(HT20) LCH 5180MHz Ant1 NTNV



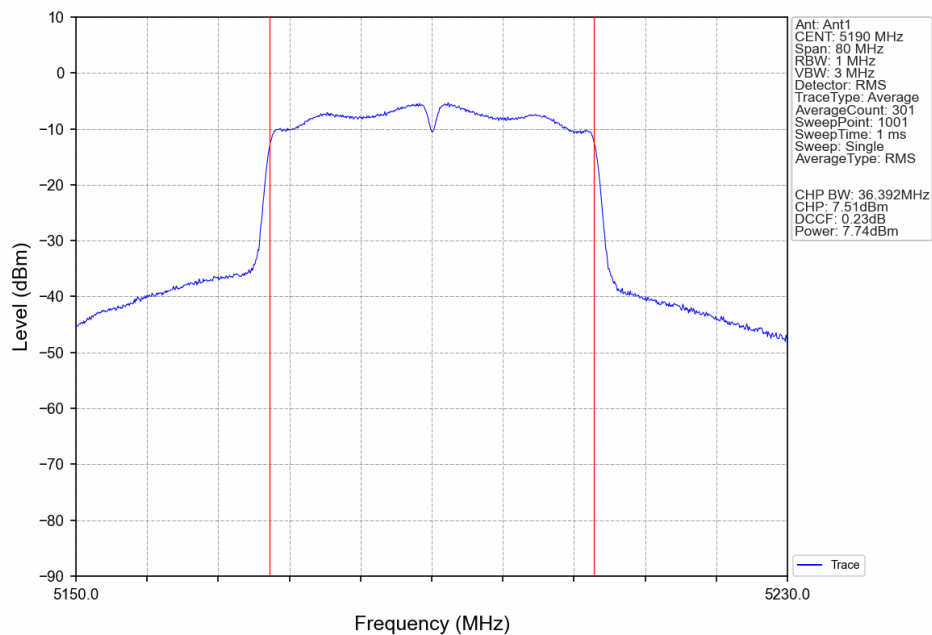
802.11n(HT20) MCH 5200MHz Ant1 NTN



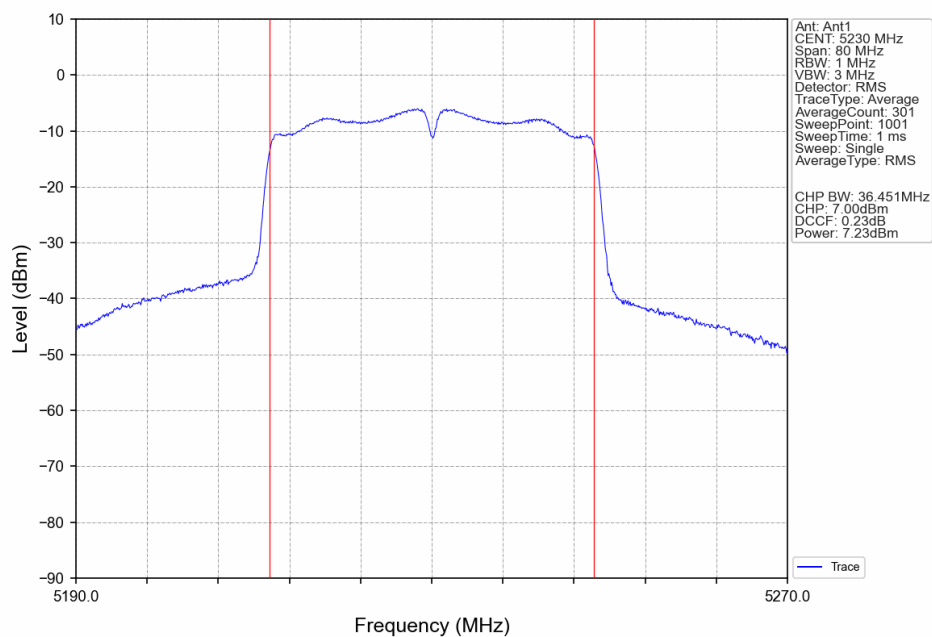
802.11n(HT20) HCH 5240MHz Ant1 NTN



802.11n(HT40) LCH 5190MHz Ant1 NTV



802.11n(HT40) HCH 5230MHz Ant1 NTV



3. Maximum Power Spectral Density

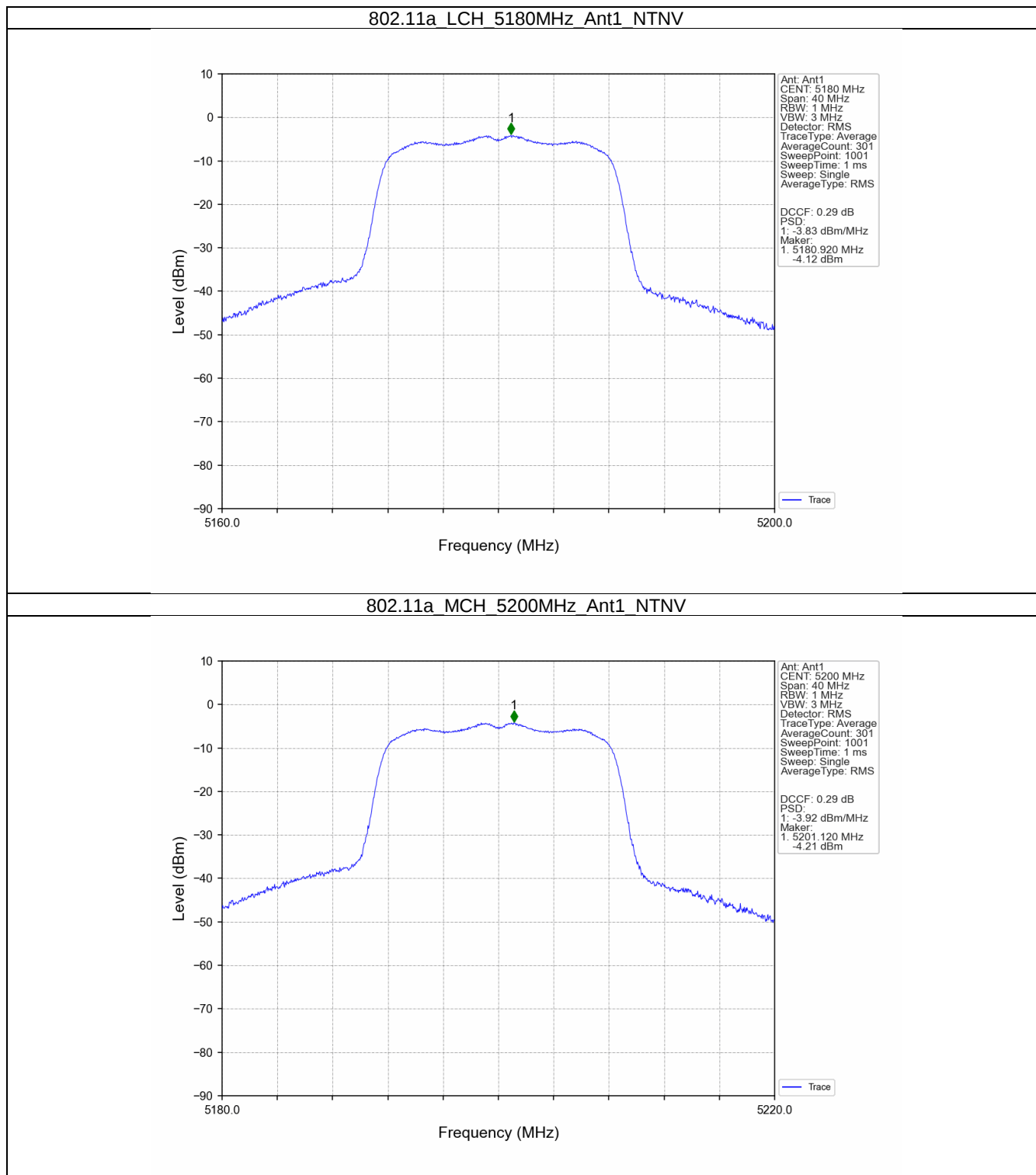
3.1 Test Result

3.1.1 PSD

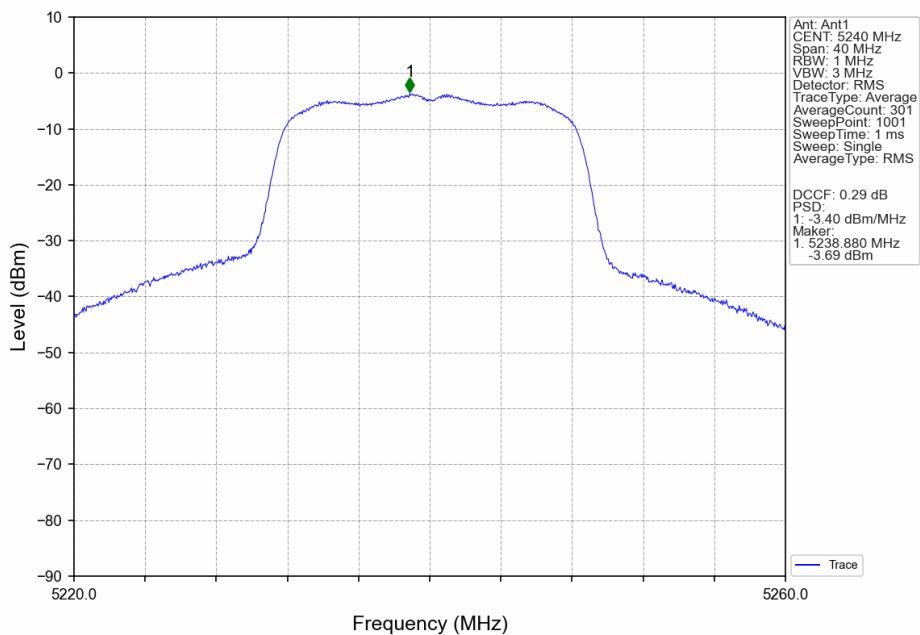
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/MHz)		Verdict
			ANT1	Limit	
802.11a	SISO	5180	-3.83	<=11	Pass
		5200	-3.92	<=11	Pass
		5240	-3.40	<=11	Pass
802.11n (HT20)	SISO	5180	-2.79	<=11	Pass
		5200	-2.91	<=11	Pass
		5240	-3.78	<=11	Pass
802.11n (HT40)	SISO	5190	-5.28	<=11	Pass
		5230	-5.89	<=11	Pass
Note1: Antenna Gain: Ant1: 2.91dBi;					

3.2 Test Graph

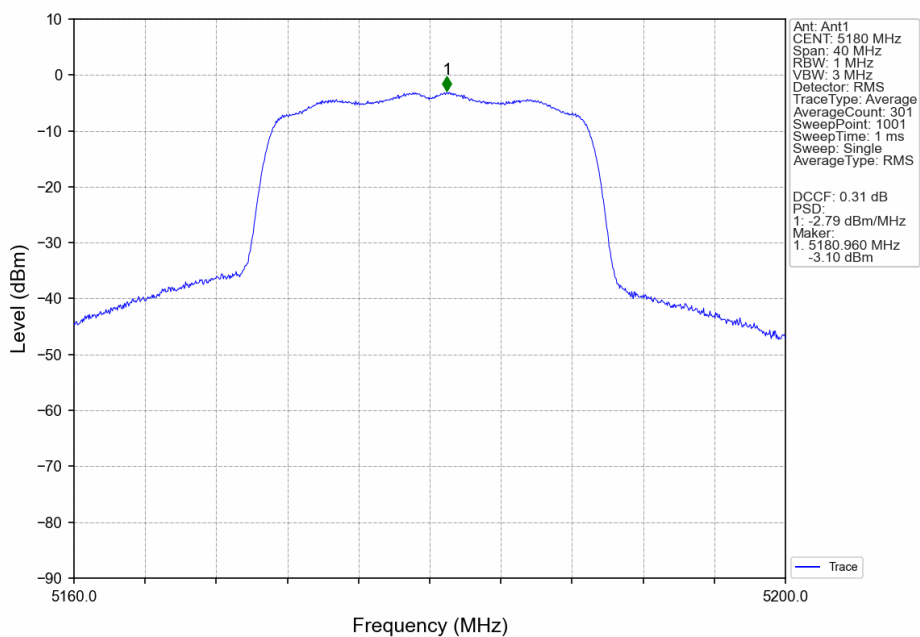
3.2.1 PSD



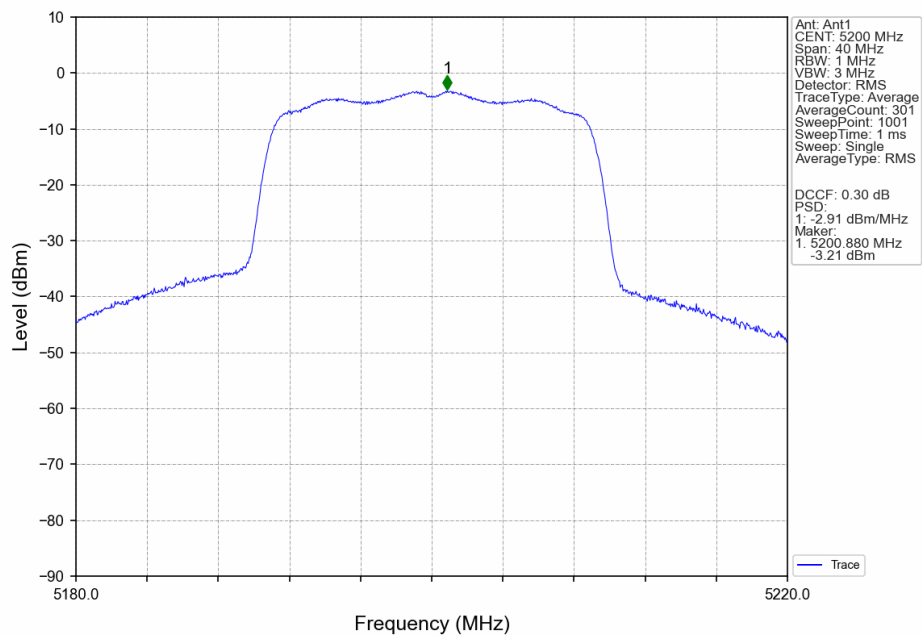
802.11a HCH 5240MHz Ant1 NTNV



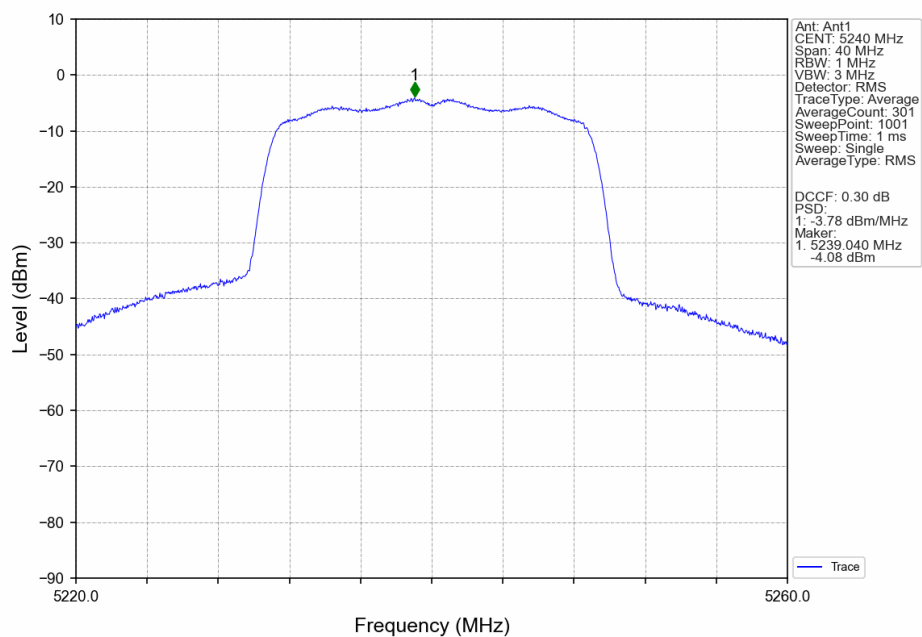
802.11n(HT20) LCH 5180MHz Ant1 NTNV



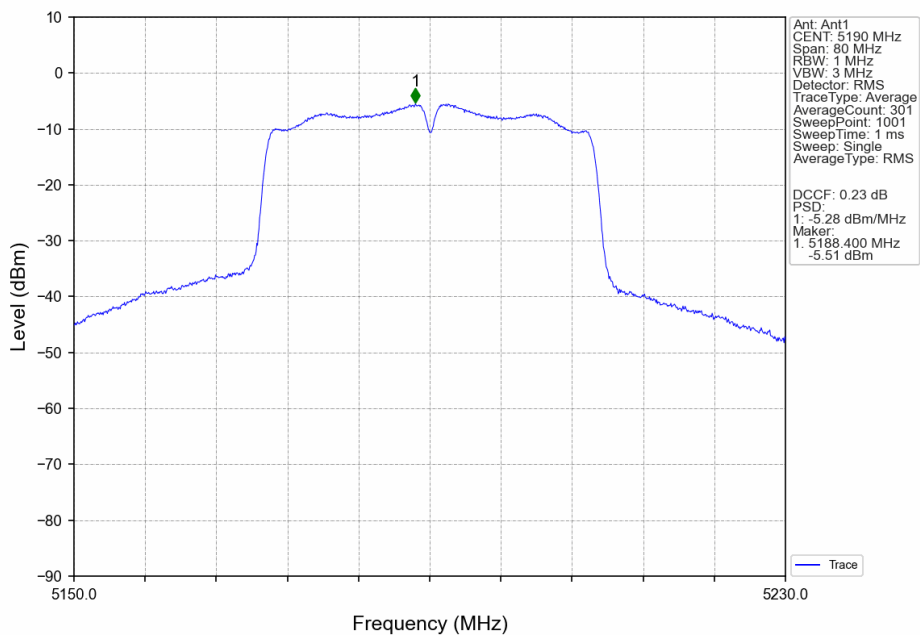
802.11n(HT20) MCH 5200MHz Ant1 NTNV



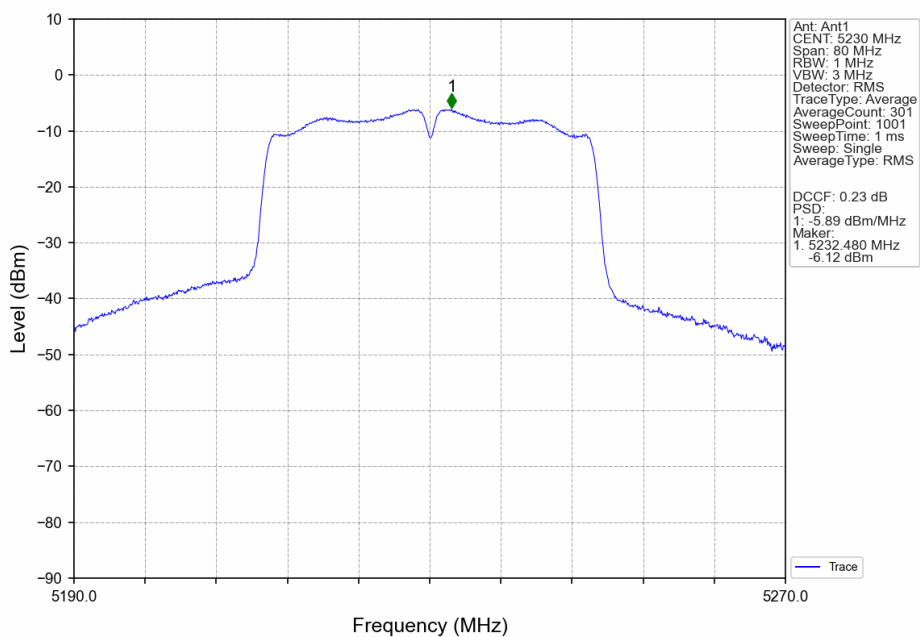
802.11n(HT20) HCH 5240MHz Ant1 NTNV



802.11n(HT40) LCH 5190MHz Ant1 NTV



802.11n(HT40) HCH 5230MHz Ant1 NTV



4. Frequency Stability

4.1 Test Result

4.1.1 Ant1

Ant1							
Mode	TX Type	Frequency (MHz)	Temperature (°C)	Voltage (VAC)	Measured Frequency (MHz)	Limit (MHz)	Verdict
Carrier Wave	SISO	5180	20	102	5180.027	5150 to 5250	Pass
				120	5180.025	5150 to 5250	Pass
				138	5180.023	5150 to 5250	Pass
			-30	120	5180.022	5150 to 5250	Pass
			-20	120	5180.021	5150 to 5250	Pass
			-10	120	5180.020	5150 to 5250	Pass
			0	120	5180.018	5150 to 5250	Pass
			10	120	5180.017	5150 to 5250	Pass
			30	120	5180.016	5150 to 5250	Pass
			40	120	5180.015	5150 to 5250	Pass
			50	120	5180.014	5150 to 5250	Pass
		5200	20	102	5200.009	5150 to 5250	Pass
				120	5200.008	5150 to 5250	Pass
				138	5200.007	5150 to 5250	Pass
			-30	120	5200.007	5150 to 5250	Pass
			-20	120	5200.006	5150 to 5250	Pass
			-10	120	5200.006	5150 to 5250	Pass
			0	120	5200.005	5150 to 5250	Pass
			10	120	5200.005	5150 to 5250	Pass
			30	120	5200.004	5150 to 5250	Pass
			40	120	5200.004	5150 to 5250	Pass
			50	120	5200.004	5150 to 5250	Pass
		5240	20	102	5240.003	5150 to 5250	Pass
				120	5240.003	5150 to 5250	Pass
				138	5240.002	5150 to 5250	Pass
			-30	120	5240.002	5150 to 5250	Pass
			-20	120	5240.002	5150 to 5250	Pass
			-10	120	5240.002	5150 to 5250	Pass
			0	120	5240.002	5150 to 5250	Pass
			10	120	5240.002	5150 to 5250	Pass
			30	120	5240.002	5150 to 5250	Pass
			40	120	5240.001	5150 to 5250	Pass
			50	120	5240.001	5150 to 5250	Pass
		5190	20	102	5190.000	5150 to 5250	Pass
				120	5190.000	5150 to 5250	Pass
				138	5190.000	5150 to 5250	Pass
			-30	120	5189.999	5150 to 5250	Pass
			-20	120	5189.999	5150 to 5250	Pass
			-10	120	5189.999	5150 to 5250	Pass
			0	120	5189.999	5150 to 5250	Pass
			10	120	5189.999	5150 to 5250	Pass
			30	120	5189.999	5150 to 5250	Pass
			40	120	5189.999	5150 to 5250	Pass
			50	120	5189.999	5150 to 5250	Pass
		5230	20	102	5229.998	5150 to 5250	Pass
				120	5229.998	5150 to 5250	Pass
				138	5229.998	5150 to 5250	Pass
			-30	120	5229.998	5150 to 5250	Pass
			-20	120	5229.998	5150 to 5250	Pass
			-10	120	5229.998	5150 to 5250	Pass

			0	120	5229.998	5150 to 5250	Pass
			10	120	5229.998	5150 to 5250	Pass
			30	120	5229.998	5150 to 5250	Pass
			40	120	5229.998	5150 to 5250	Pass
			50	120	5229.998	5150 to 5250	Pass