

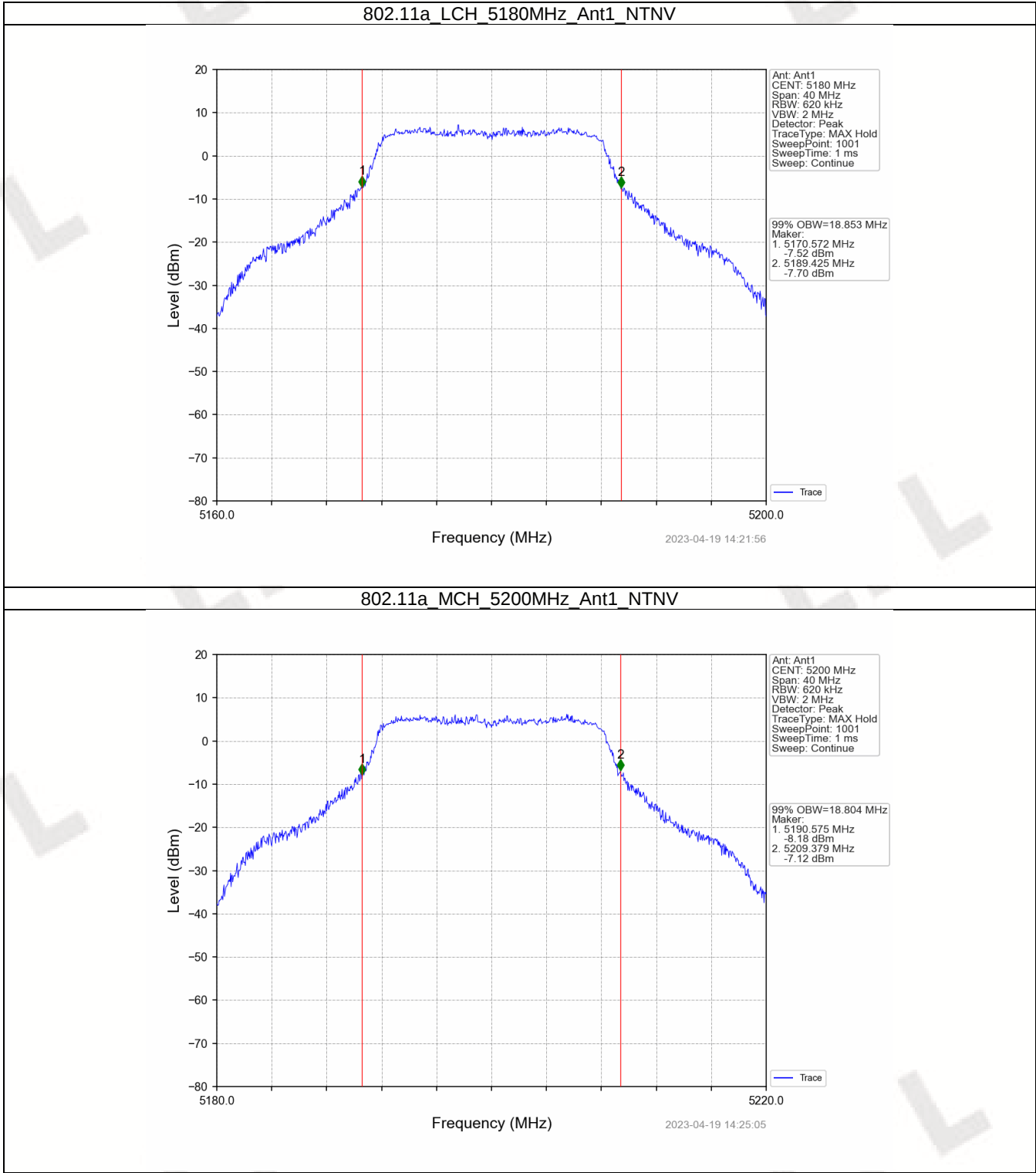
1. Bandwidth

1.1 OBW

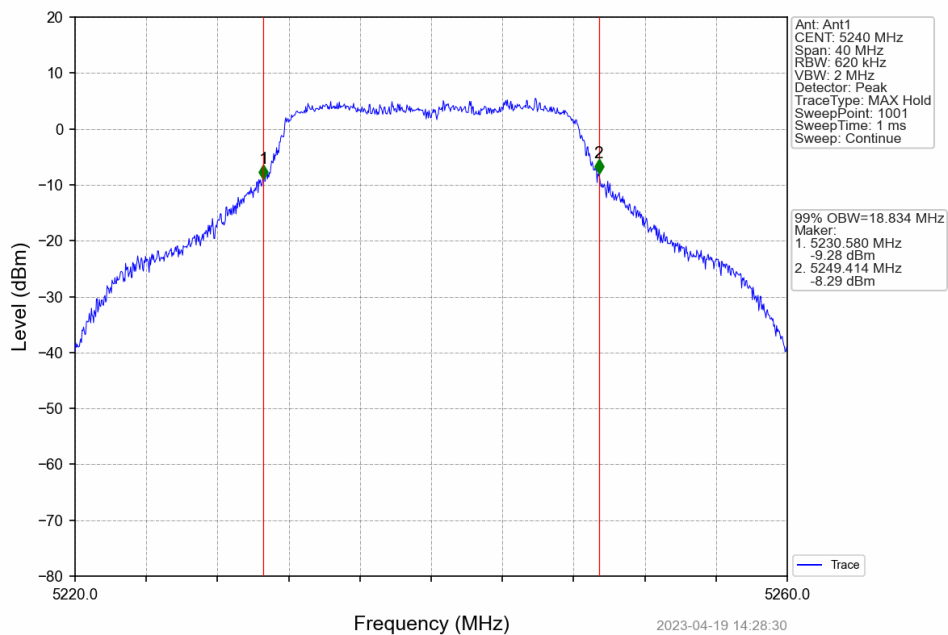
1.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)	Verdict
				Result	
802.11a	SISO	5180	1	18.853	Pass
		5200	1	18.804	Pass
		5240	1	18.834	Pass
802.11n (HT20)	SISO	5180	1	20.202	Pass
		5200	1	20.110	Pass
		5240	1	20.041	Pass
802.11n (HT40)	SISO	5190	1	38.509	Pass
		5230	1	38.404	Pass
802.11ac (VHT20)	SISO	5180	1	20.406	Pass
		5200	1	20.306	Pass
		5240	1	20.251	Pass
802.11ac (VHT40)	SISO	5190	1	38.162	Pass
		5230	1	38.189	Pass

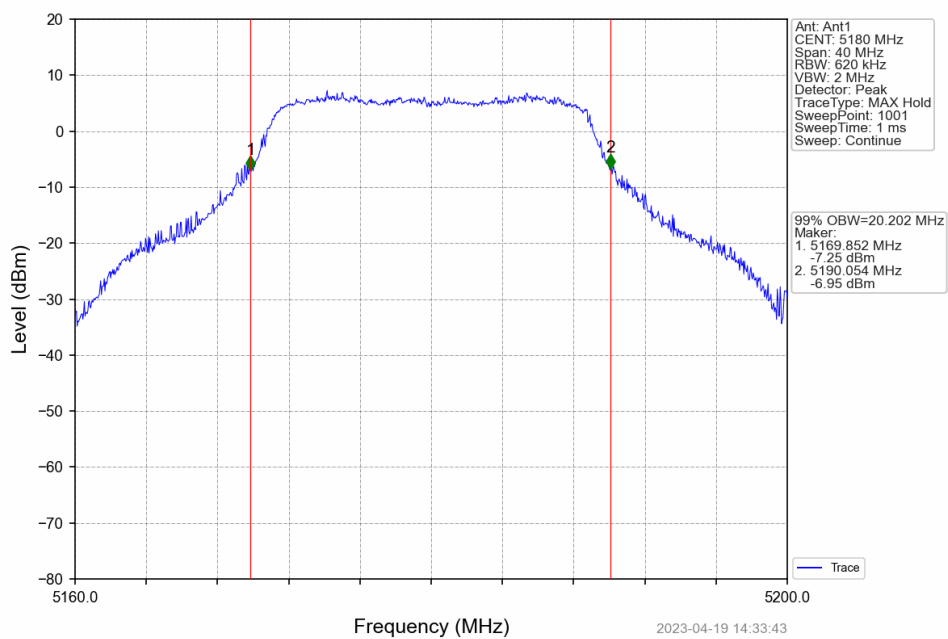
1.1.2 Test Graph

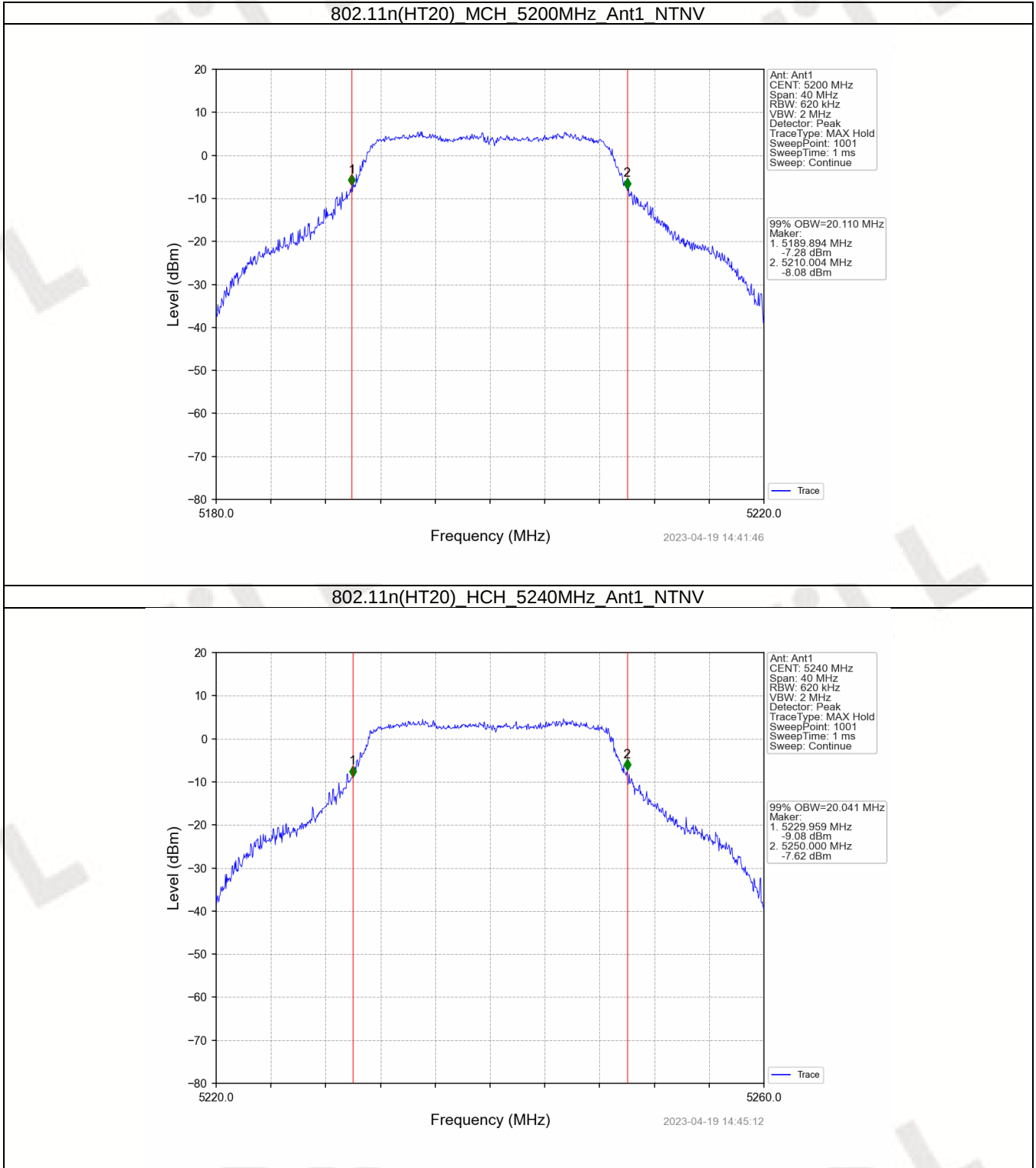


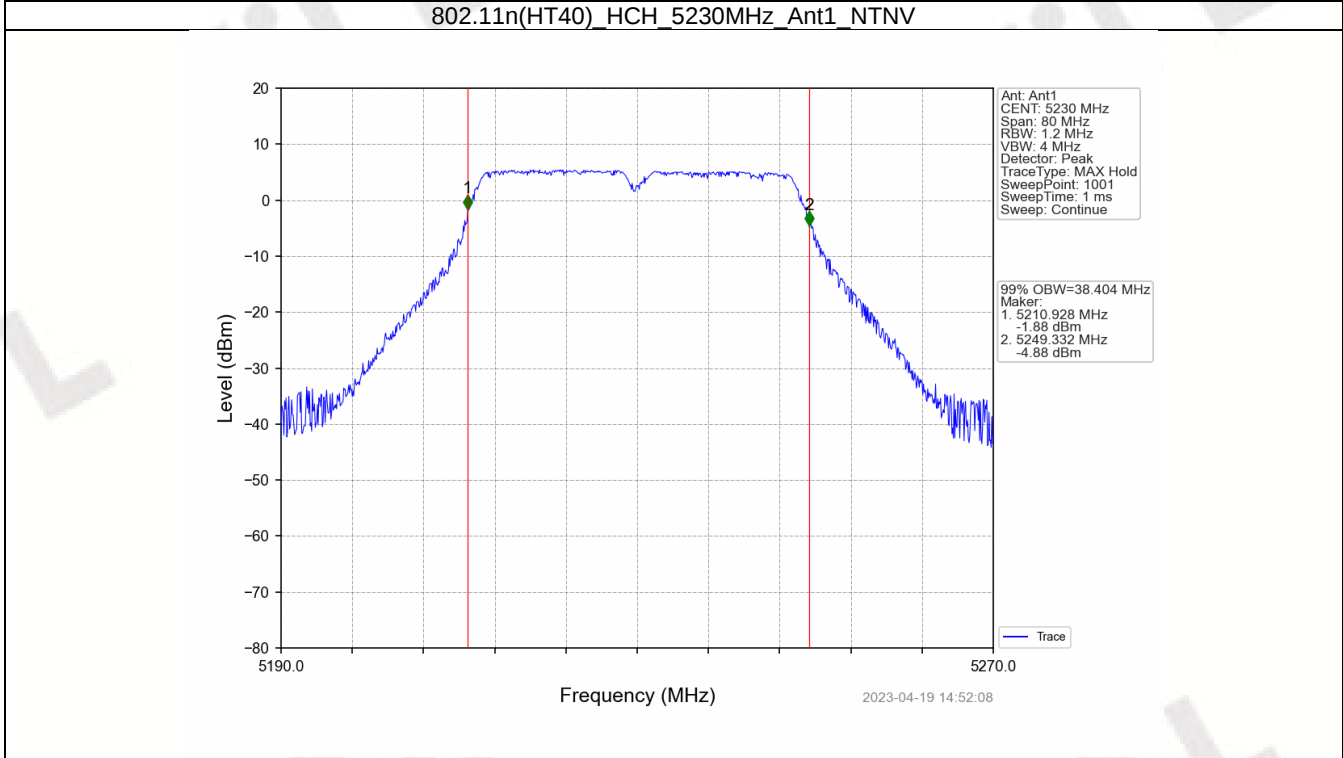
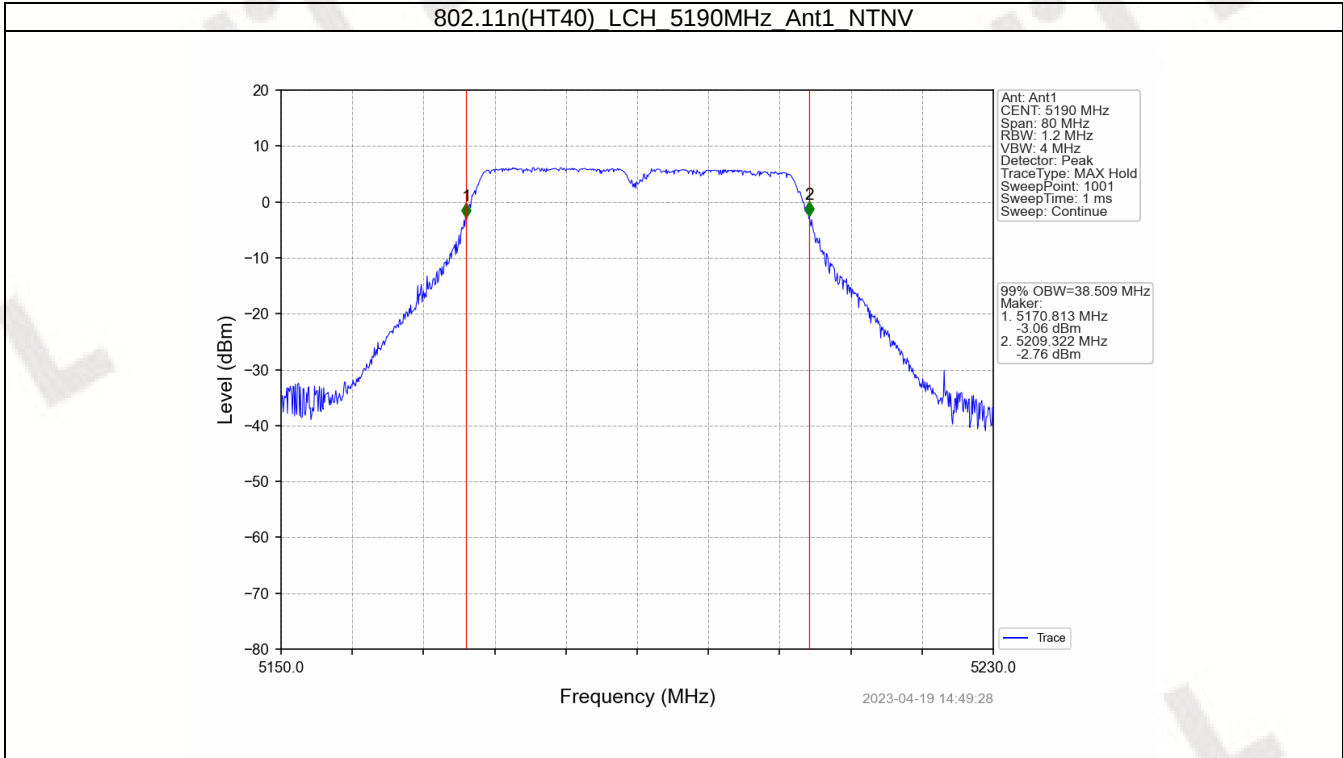
802.11a HCH 5240MHz Ant1 NTN



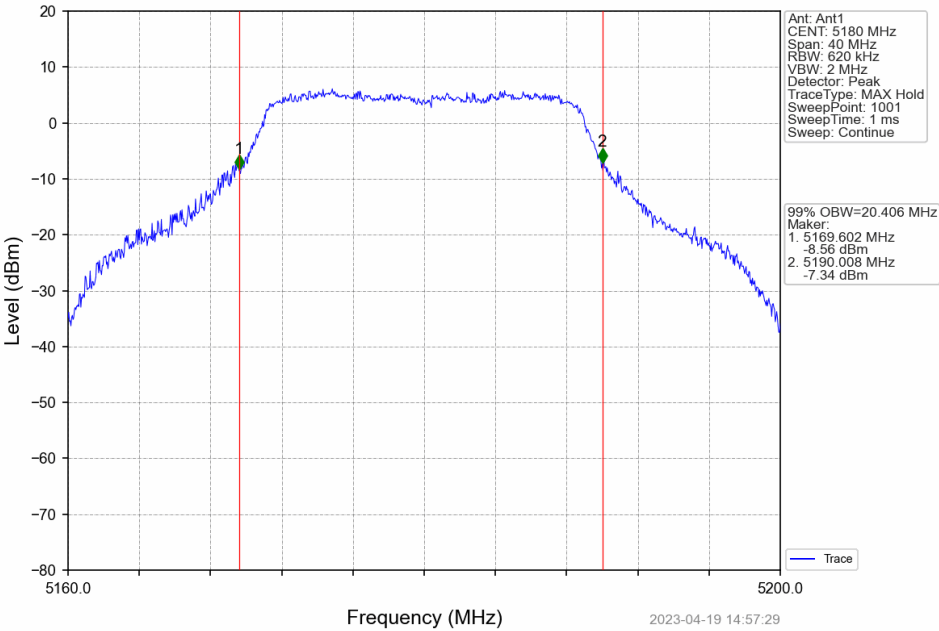
802.11n(HT20) LCH 5180MHz Ant1 NTN



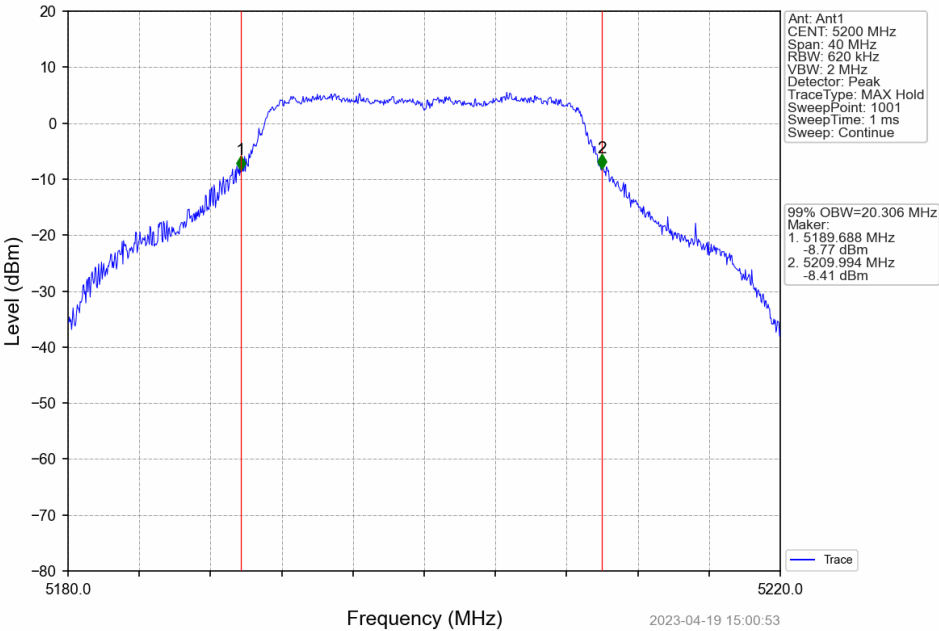




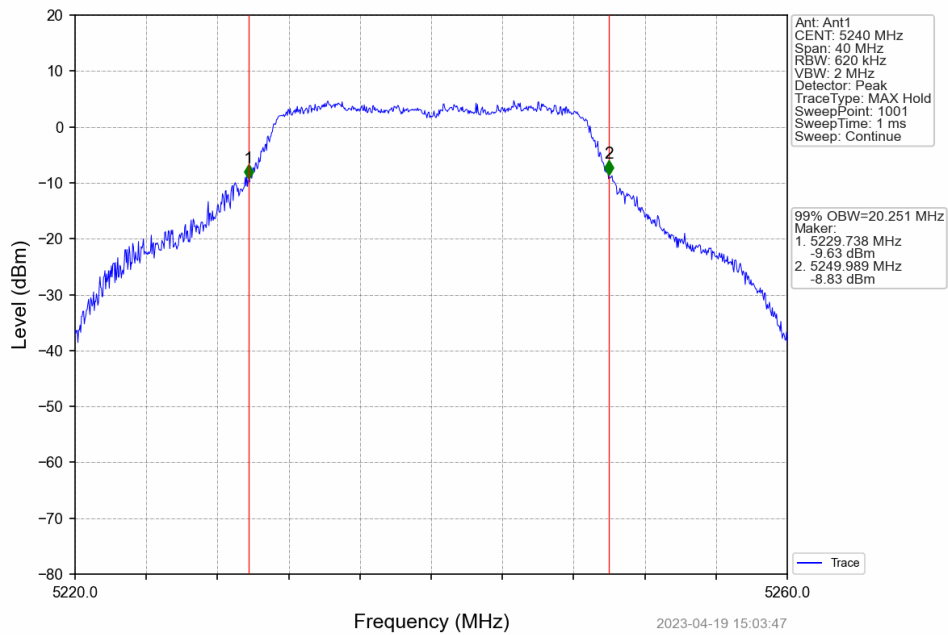
802.11ac(VHT20) LCH 5180MHz Ant1 NTN



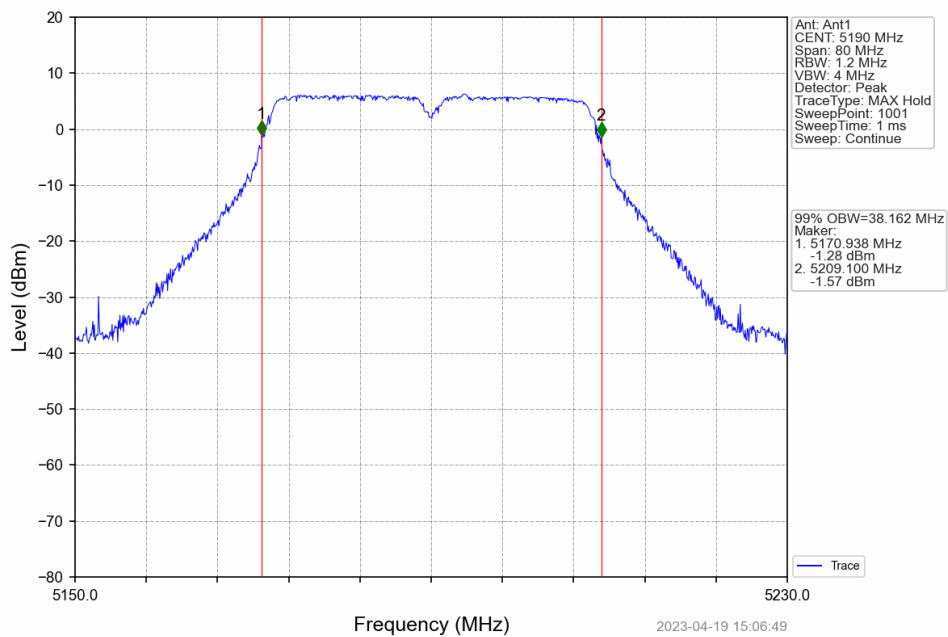
802.11ac(VHT20) MCH 5200MHz Ant1 NTN

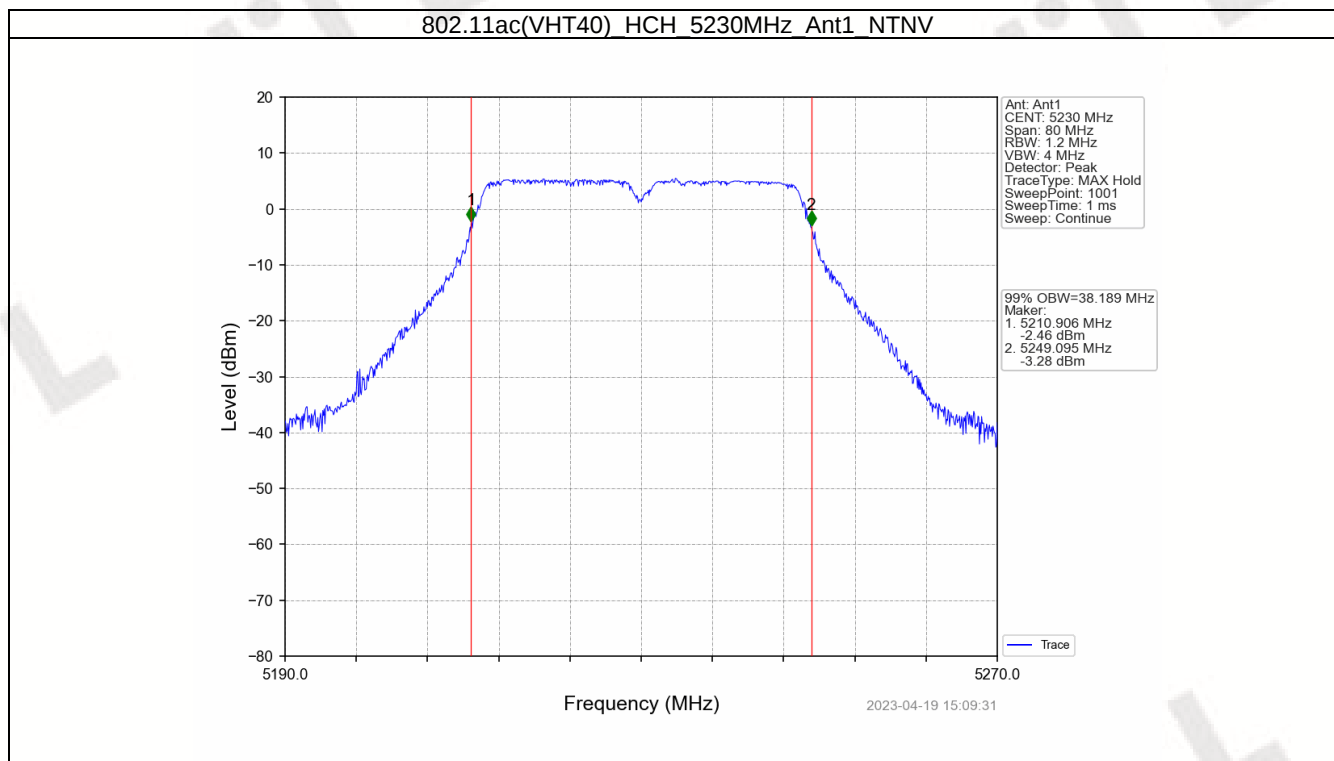


802.11ac(VHT20) HCH 5240MHz Ant1 NTN



802.11ac(VHT40)_LCH_5190MHz_Ant1_NTN



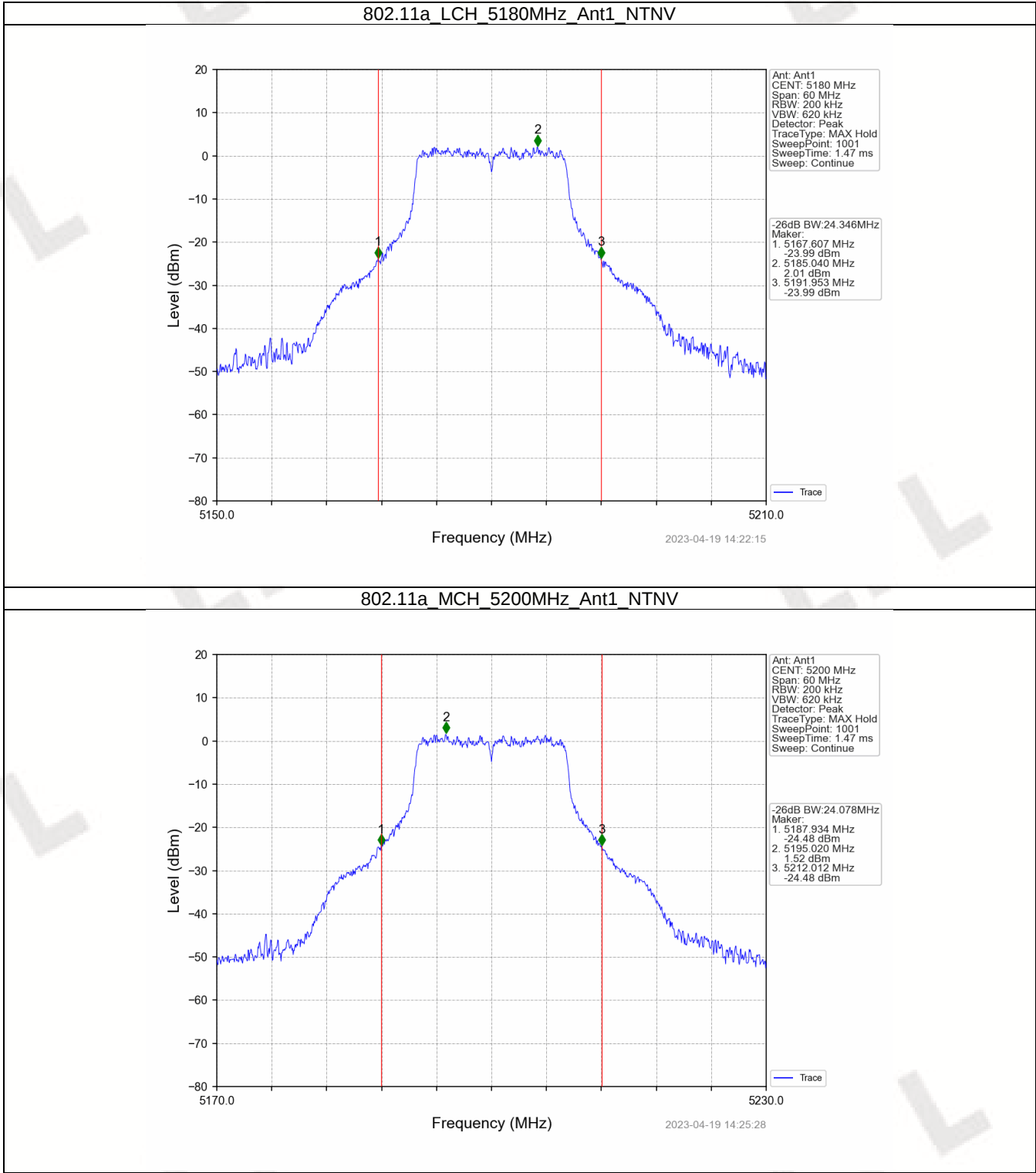


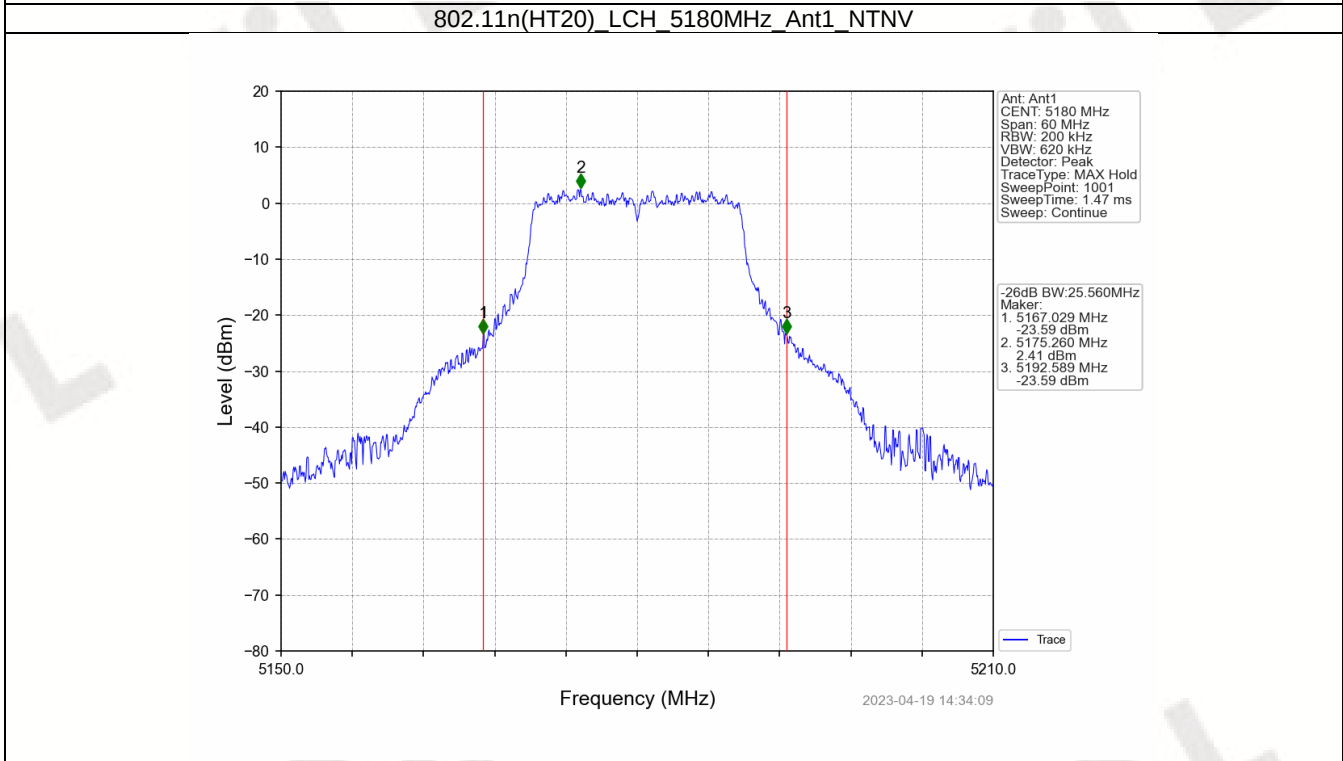
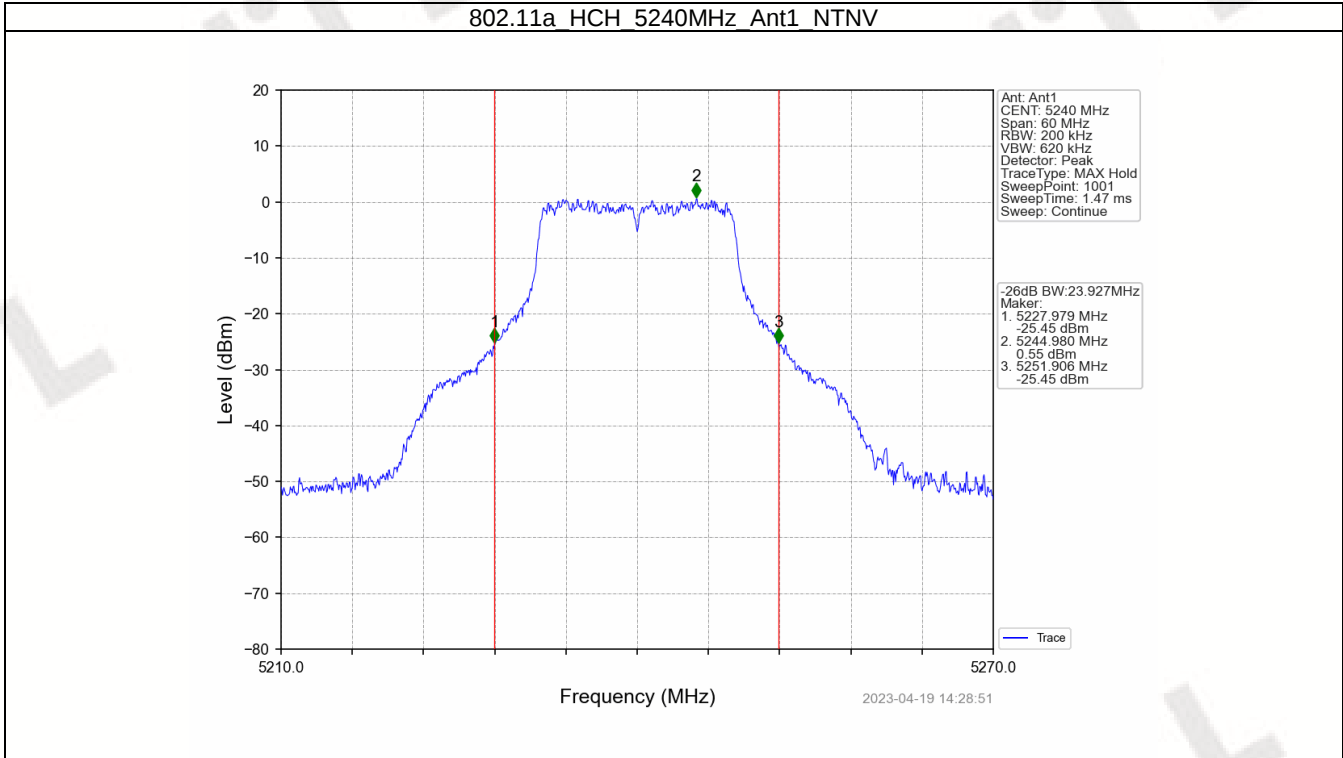
1.2 26dB BW

1.2.1 Test Result

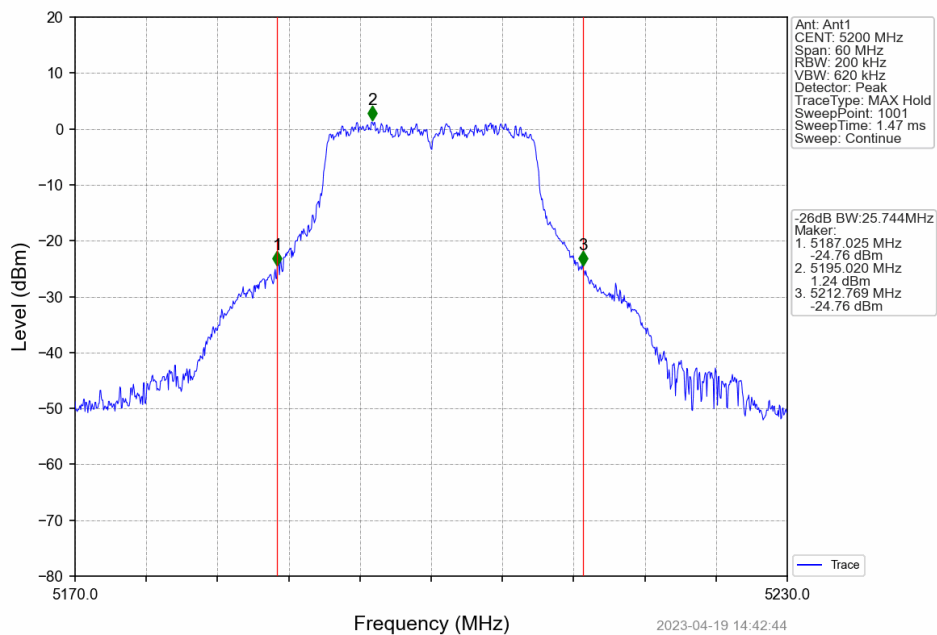
Mode	TX Type	Frequency (MHz)	ANT	26dB Bandwidth (MHz)	Verdict
				Result	
802.11a	SISO	5180	1	24.346	Pass
		5200	1	24.078	Pass
		5240	1	23.927	Pass
802.11n (HT20)	SISO	5180	1	25.560	Pass
		5200	1	25.744	Pass
		5240	1	25.283	Pass
802.11n (HT40)	SISO	5190	1	46.918	Pass
		5230	1	46.760	Pass
802.11ac (VHT20)	SISO	5180	1	25.761	Pass
		5200	1	25.703	Pass
		5240	1	25.587	Pass
802.11ac (VHT40)	SISO	5190	1	48.397	Pass
		5230	1	46.915	Pass

1.2.2 Test Graph

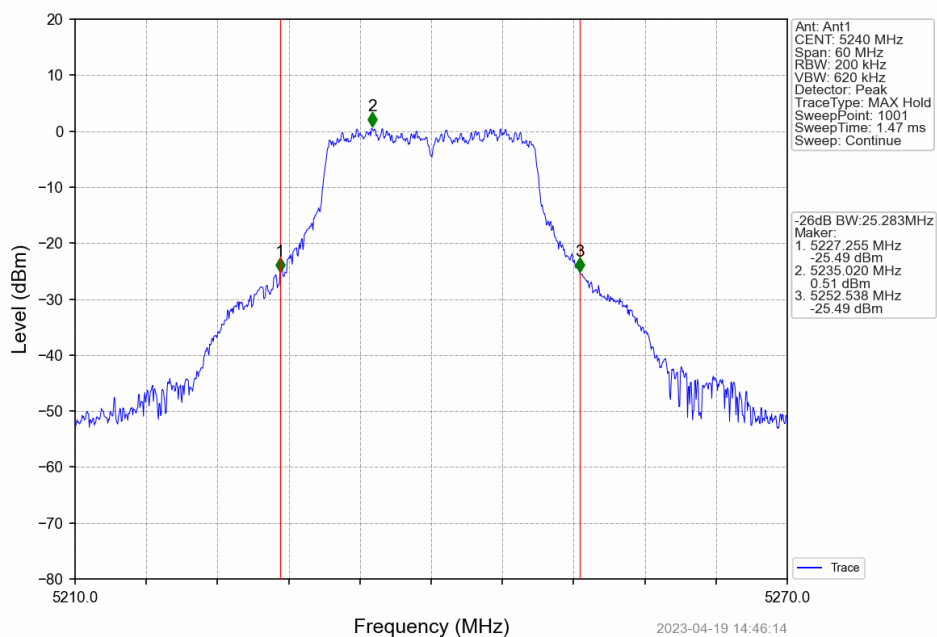




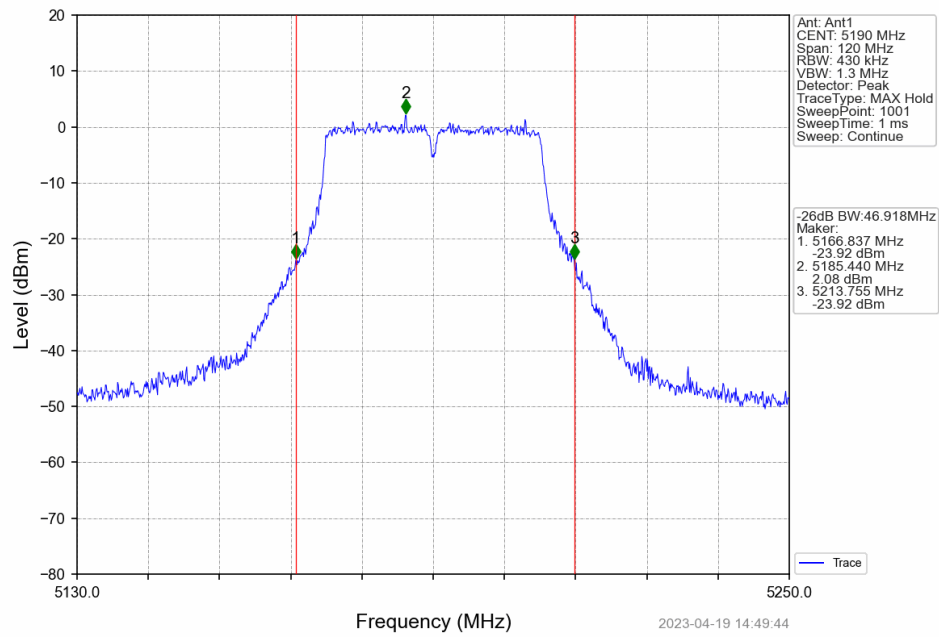
802.11n(HT20) MCH 5200MHz Ant1 NTN



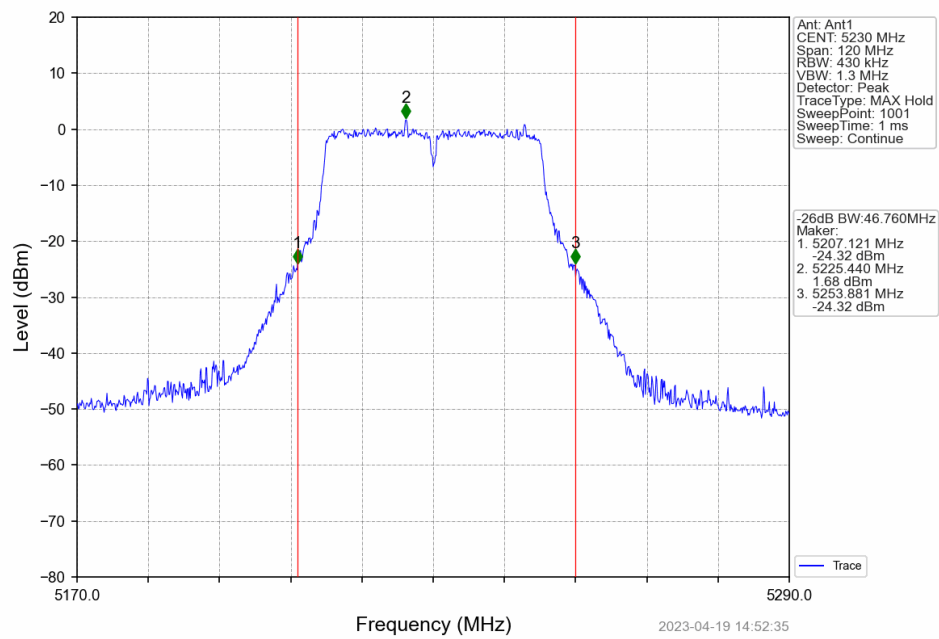
802.11n(HT20)_HCH_5240MHz_Ant1_NTN

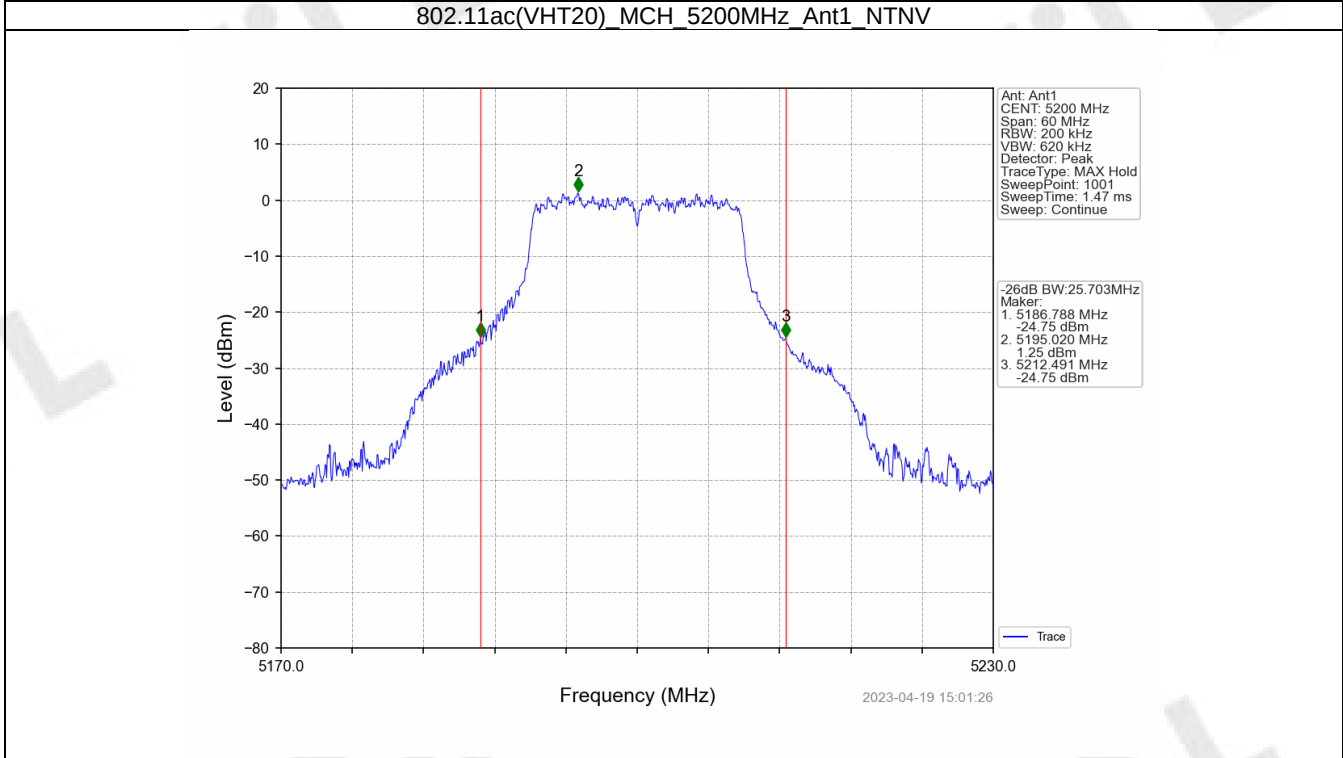
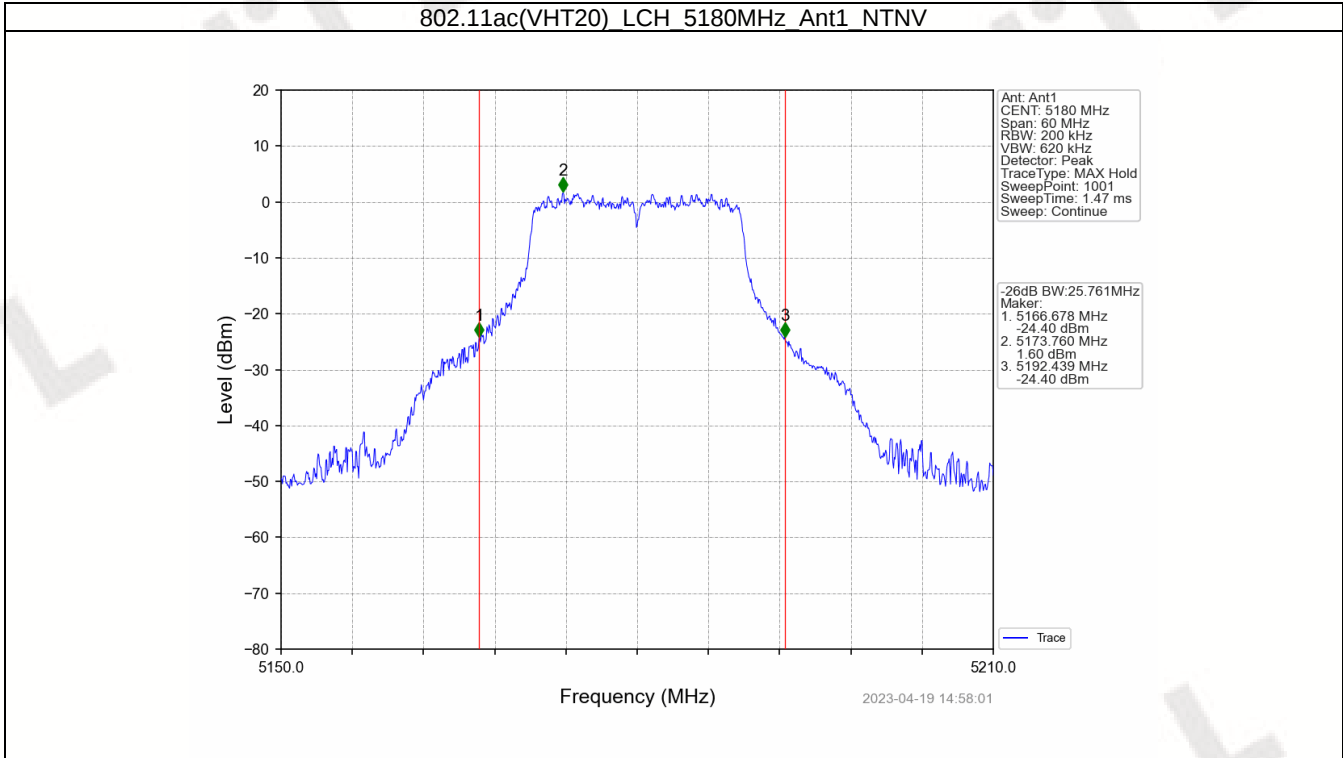


802.11n(HT40) LCH 5190MHz Ant1 NTN

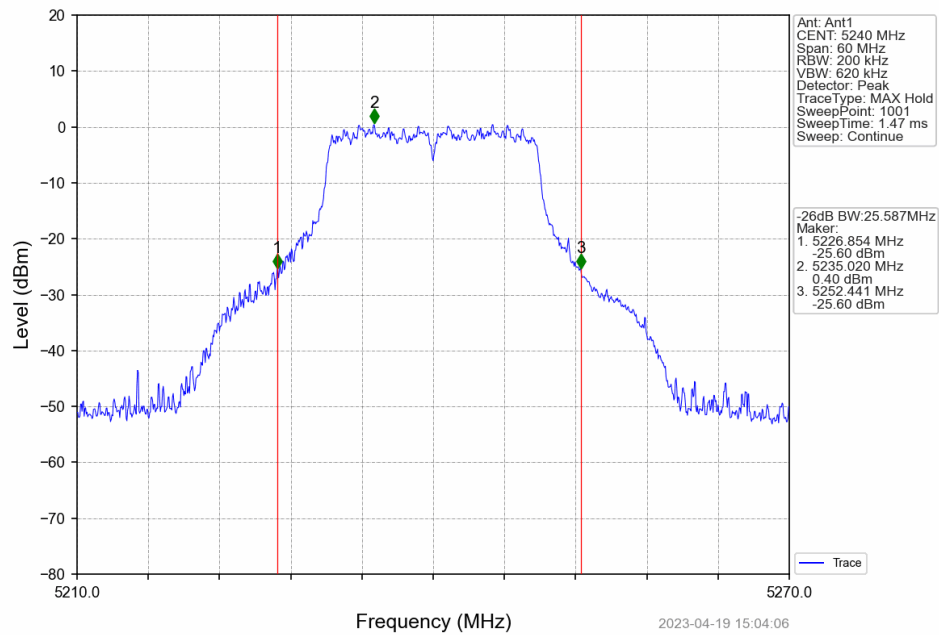


802.11n(HT40)_HCH_5230MHz_Ant1_NTN

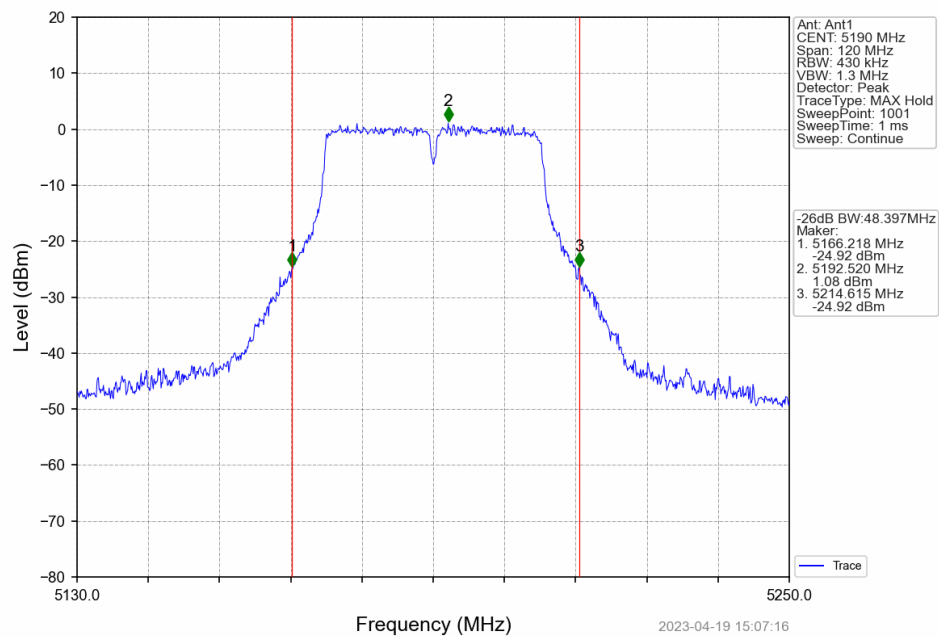


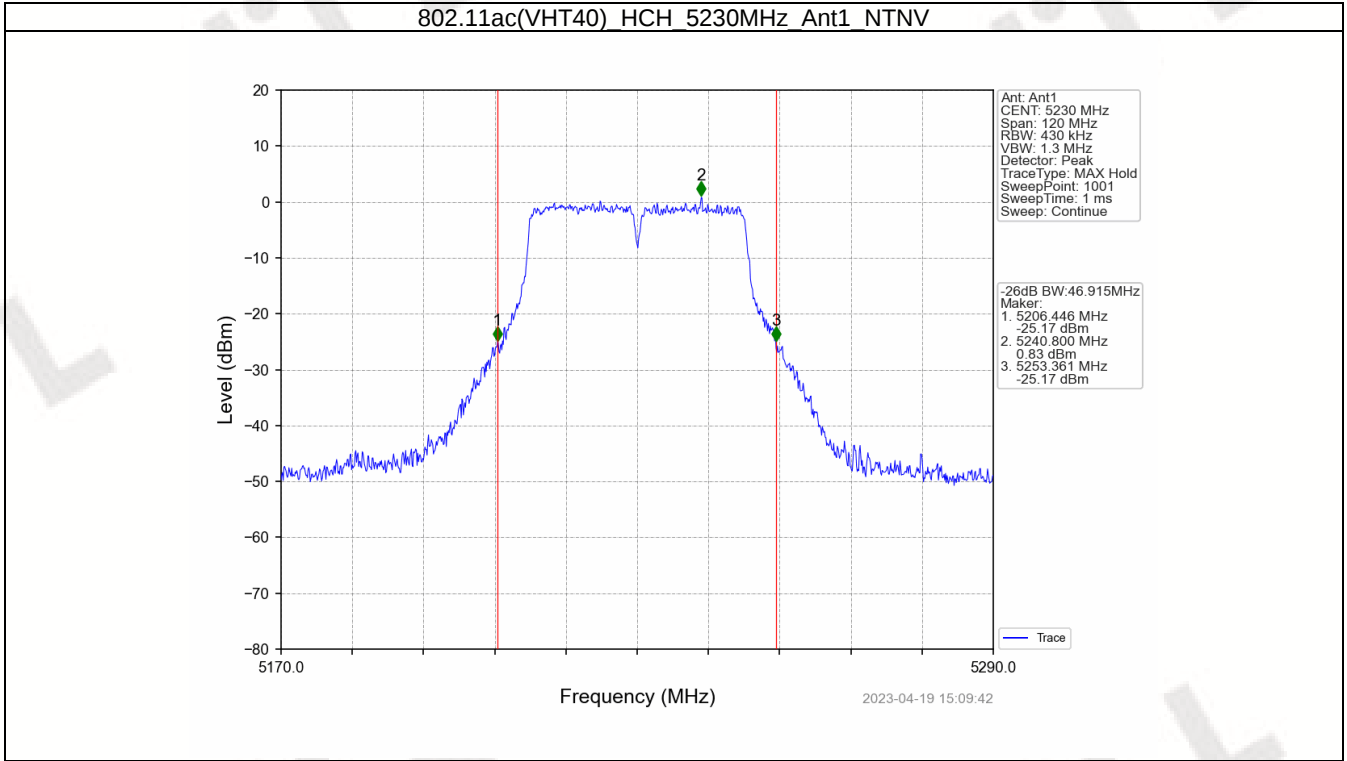


802.11ac(VHT20) HCH 5240MHz Ant1 NTN



802.11ac(VHT40)_LCH_5190MHz_Ant1_NTN





2. Maximum Conducted Output Power

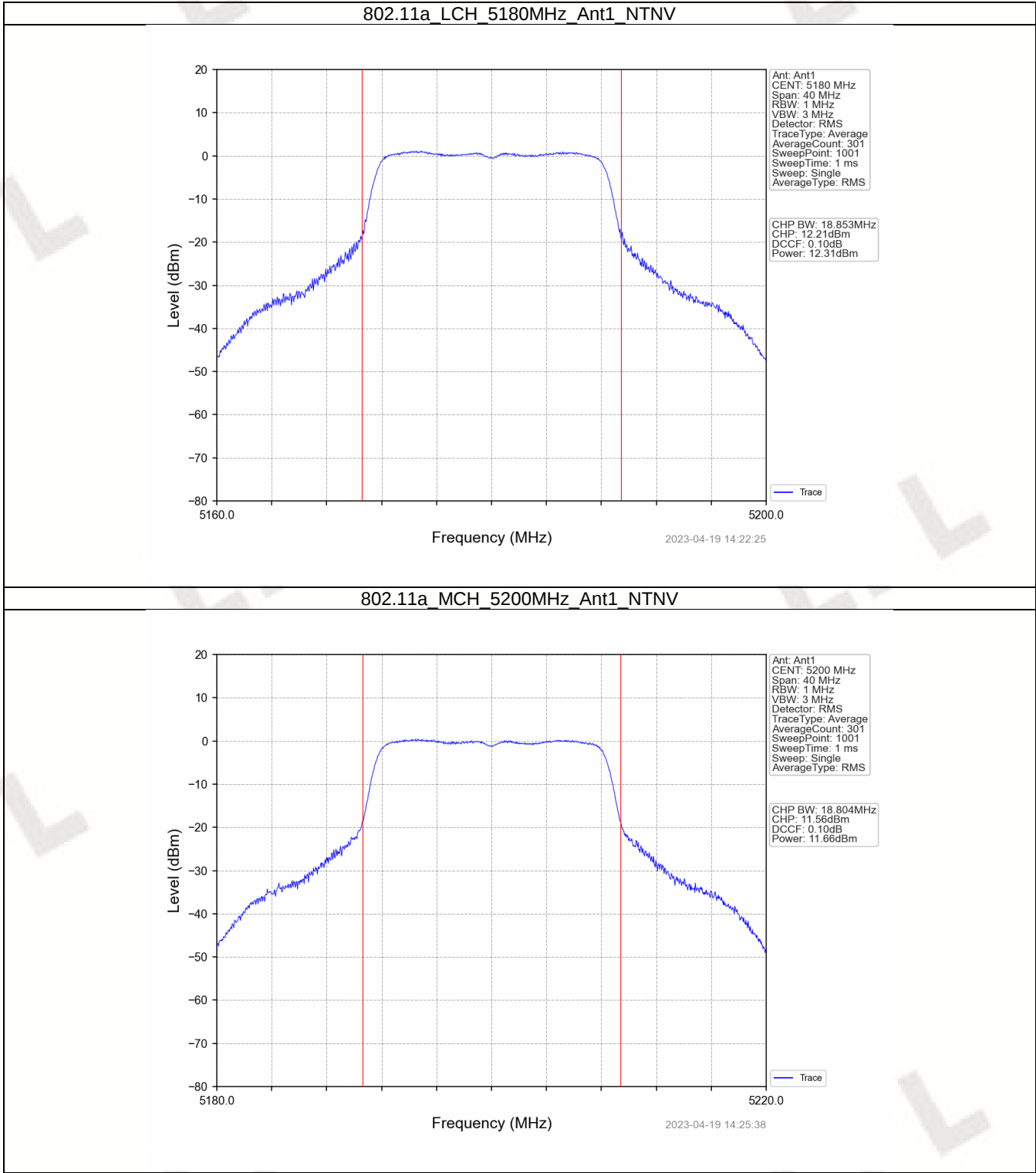
2.1 Power

2.1.1 Test Result

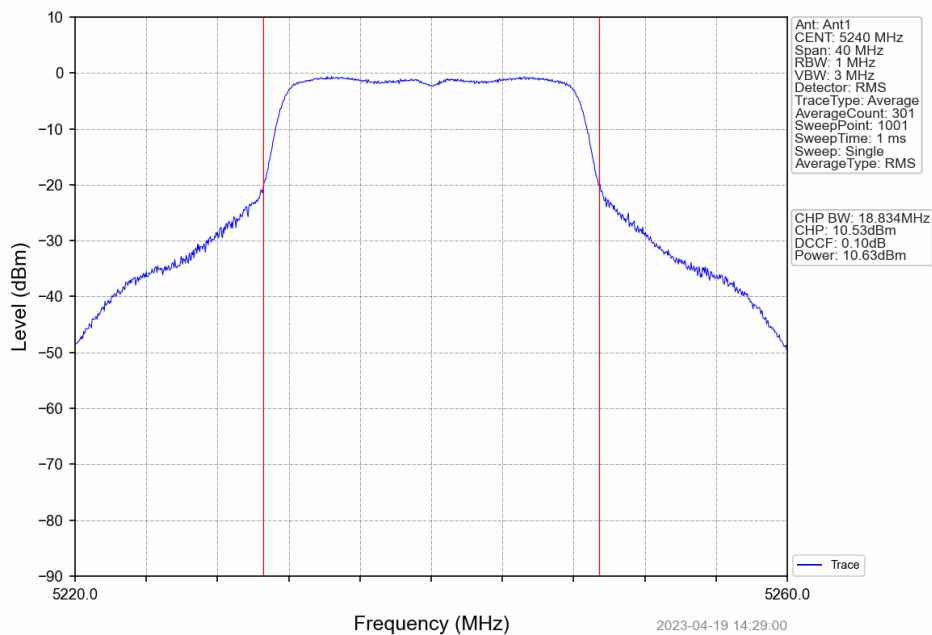
Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
802.11a	SISO	5180	12.31	<=23.98	Pass
		5200	11.66	<=23.98	Pass
		5240	10.63	<=23.98	Pass
802.11n (HT20)	SISO	5180	12.40	<=23.98	Pass
		5200	11.39	<=23.98	Pass
		5240	10.54	<=23.98	Pass
802.11n (HT40)	SISO	5190	11.38	<=23.98	Pass
		5230	10.73	<=23.98	Pass
802.11ac (VHT20)	SISO	5180	11.79	<=23.98	Pass
		5200	11.40	<=23.98	Pass
		5240	10.53	<=23.98	Pass
802.11ac (VHT40)	SISO	5190	11.40	<=23.98	Pass
		5230	10.68	<=23.98	Pass

Note1: Antenna Gain: Ant1: 1.29dBi;

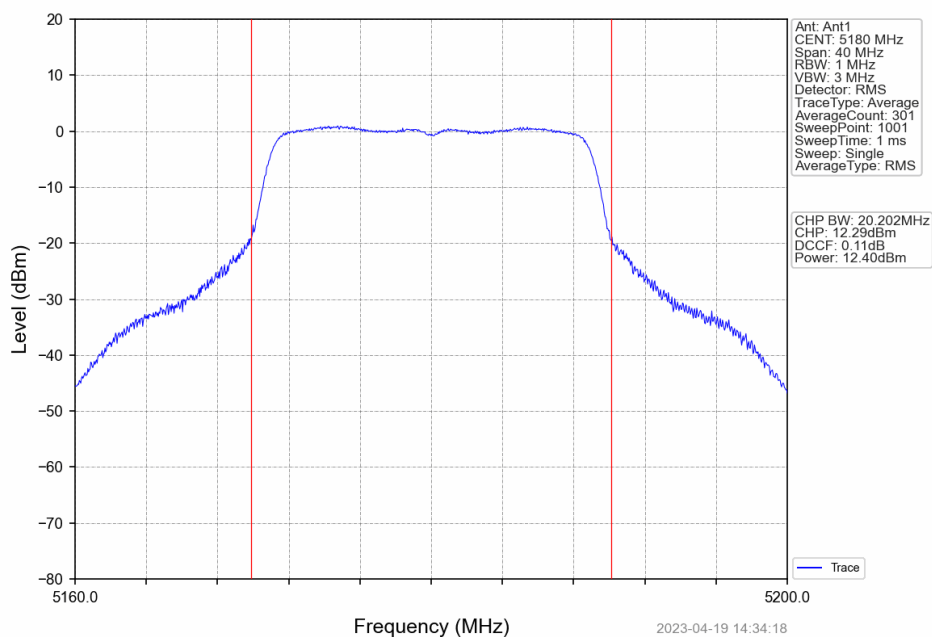
2.1.2 Test Graph



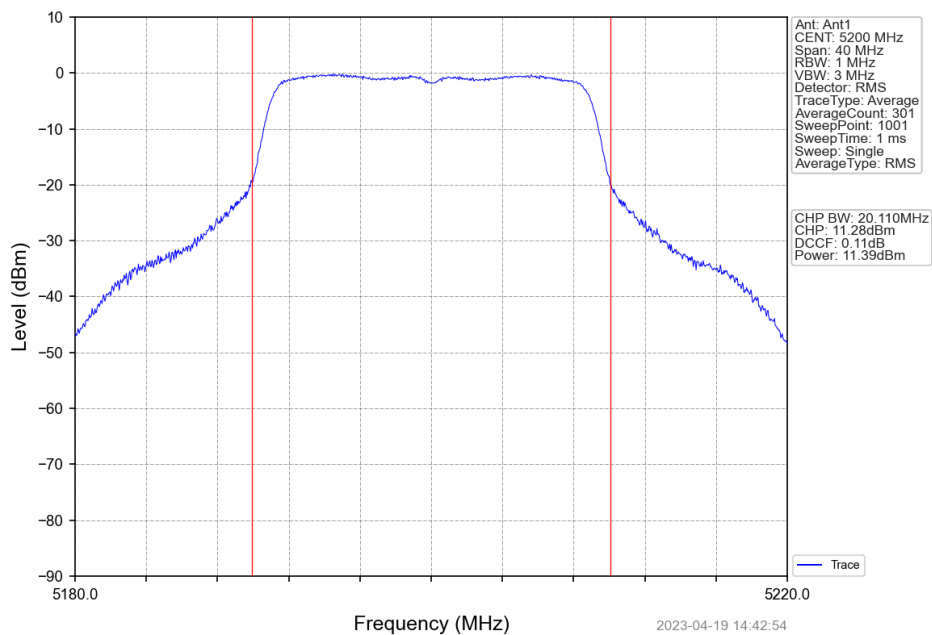
802.11a HCH 5240MHz Ant1 NTN



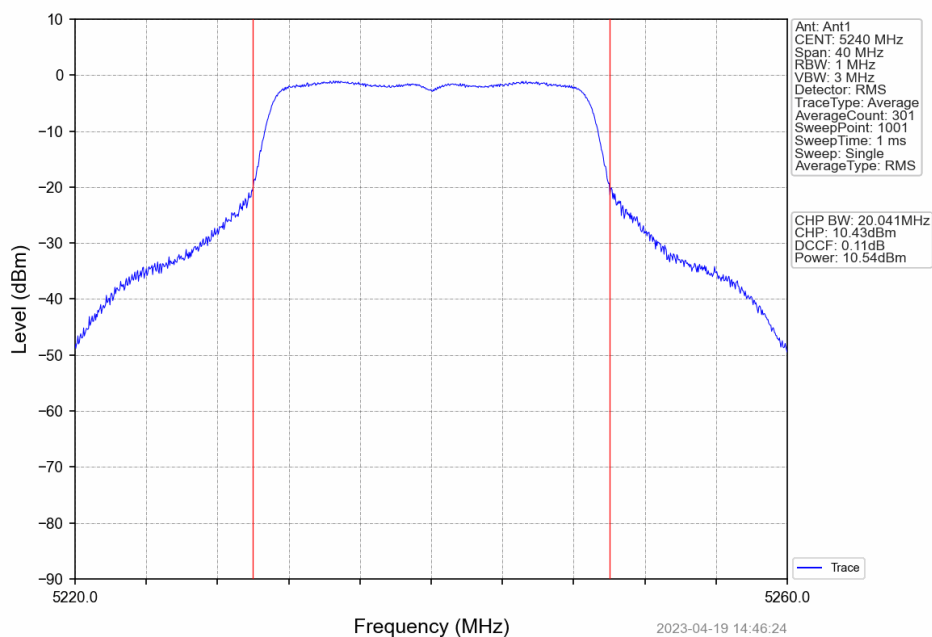
802.11n(HT20) LCH 5180MHz Ant1 NTN

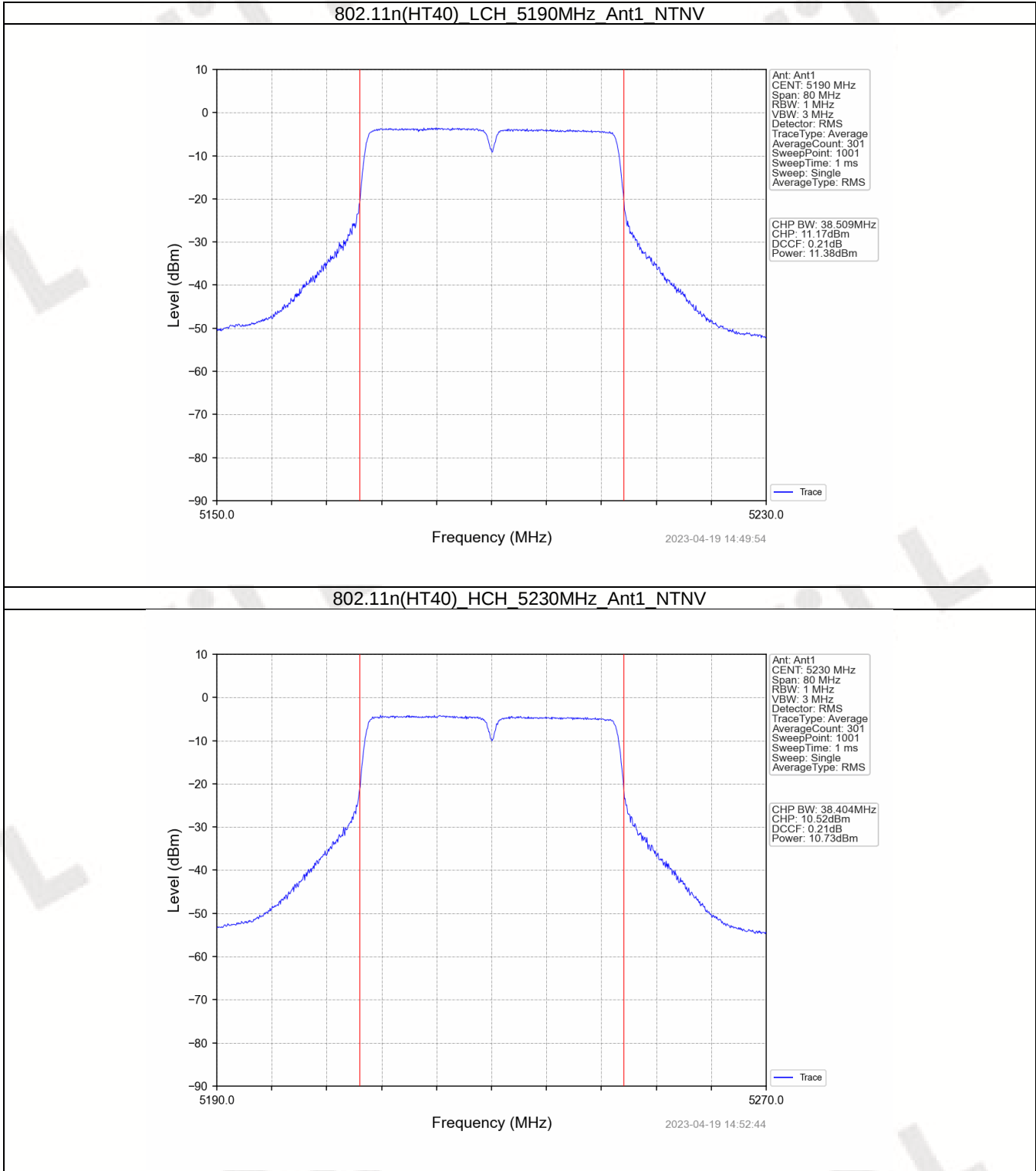


802.11n(HT20) MCH 5200MHz Ant1 NTN

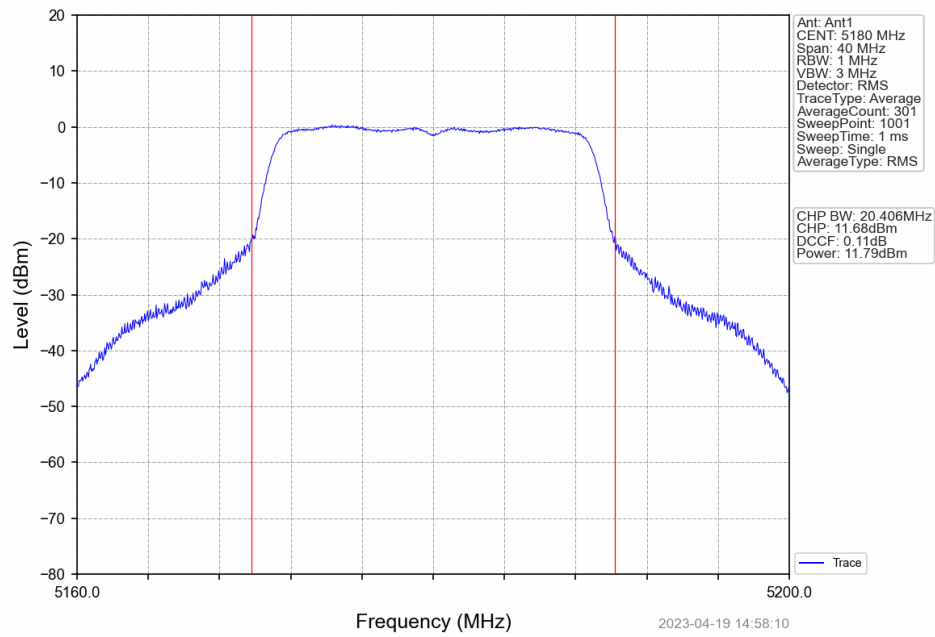


802.11n(HT20)_HCH_5240MHz_Ant1 NTN

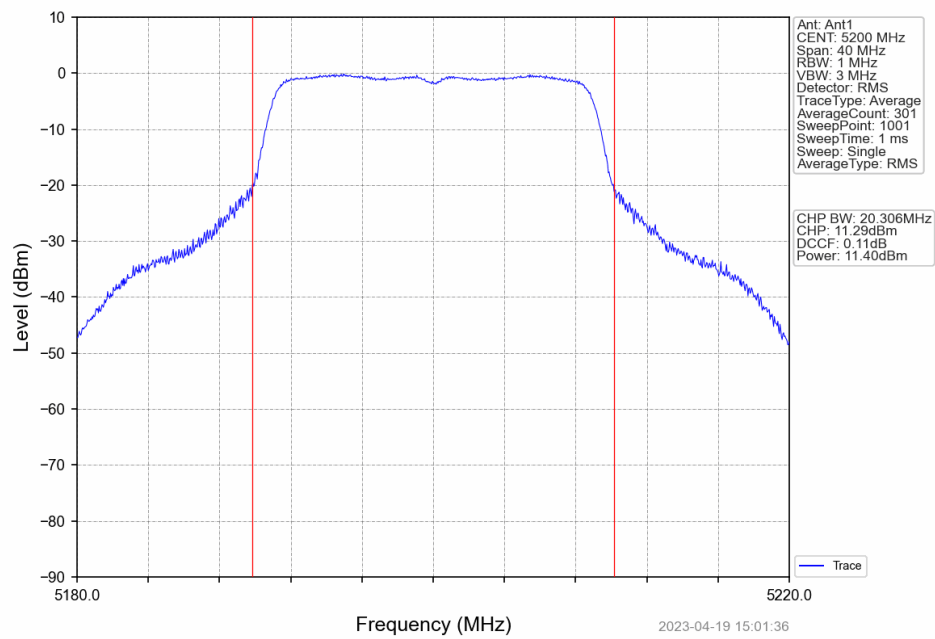




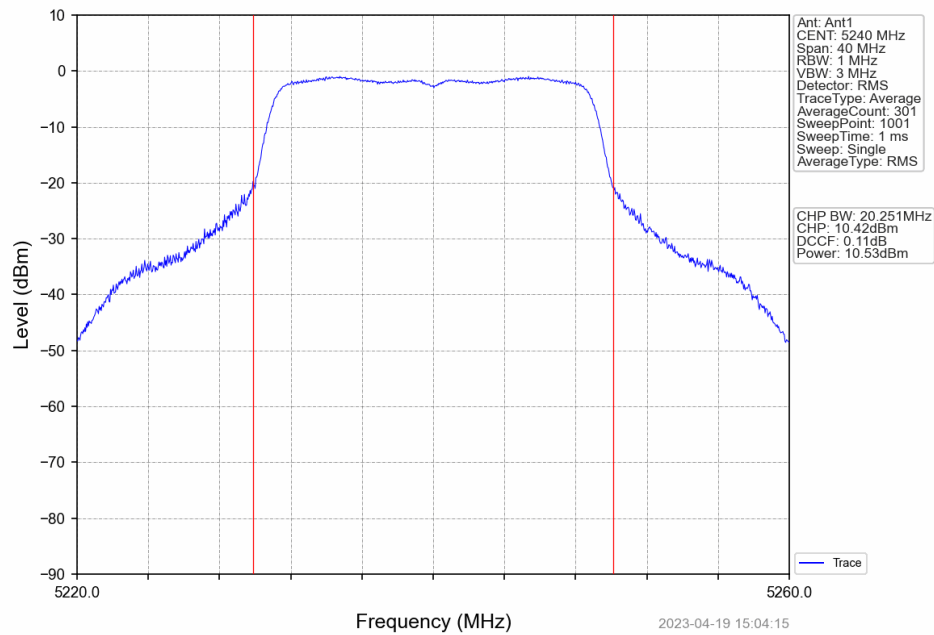
802.11ac(VHT20) LCH 5180MHz Ant1 NTN



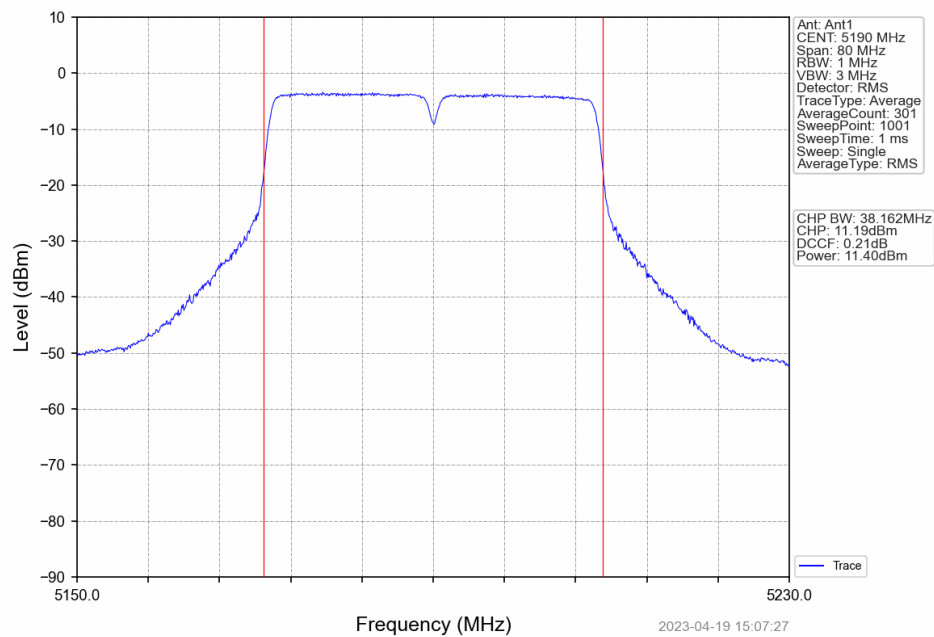
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTN

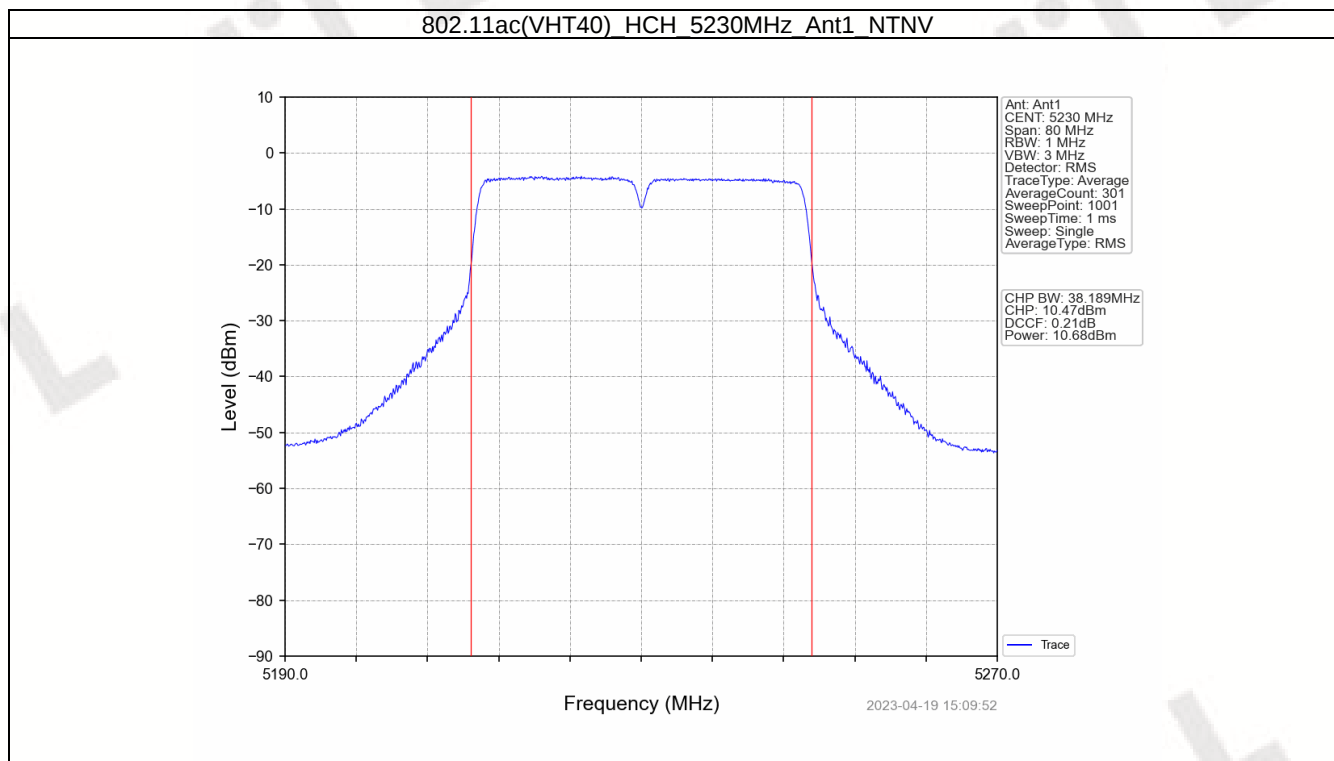


802.11ac(VHT20) HCH 5240MHz Ant1 NTN



802.11ac(VHT40)_LCH_5190MHz_Ant1_NTN





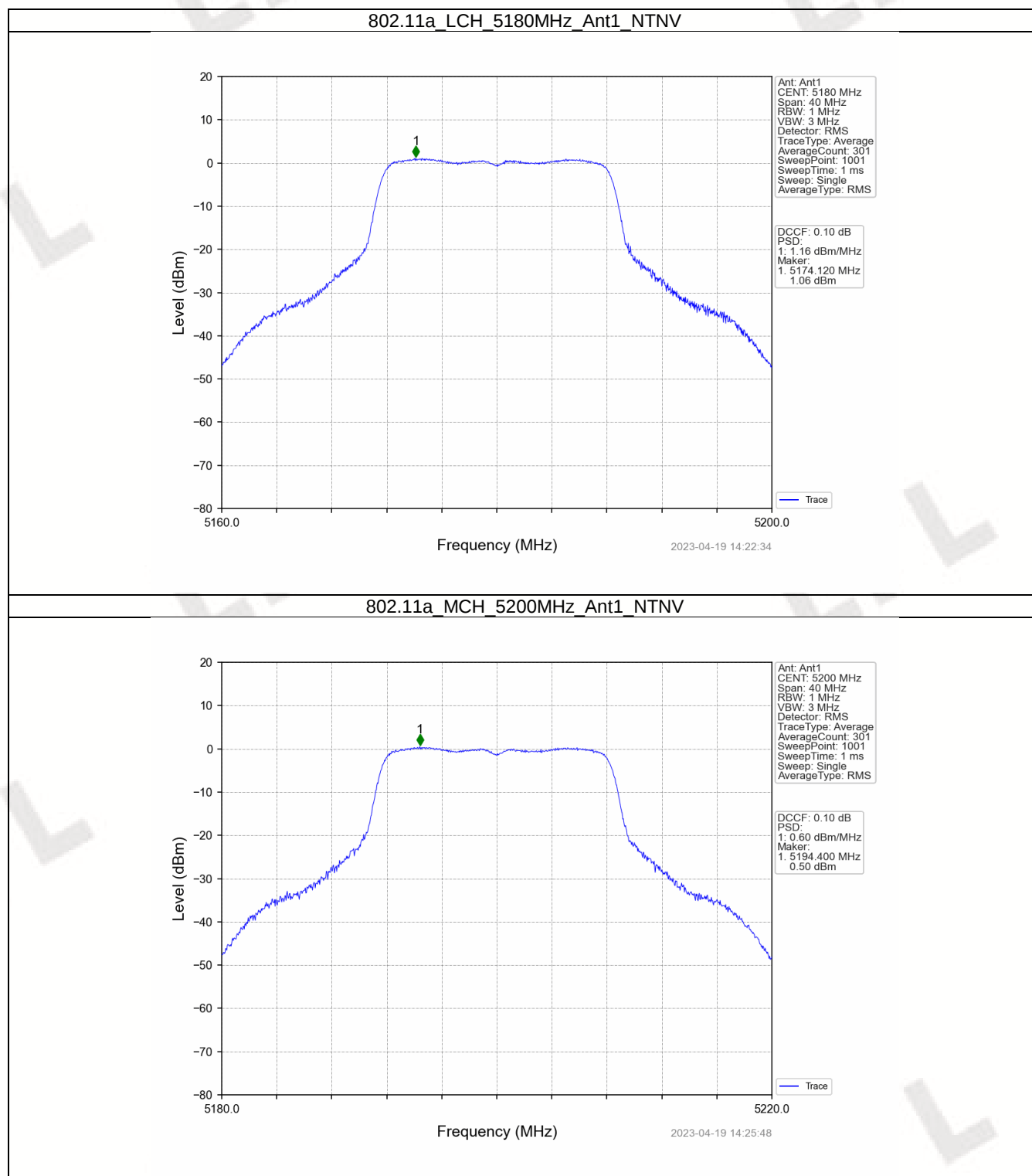
3. Maximum Power Spectral Density

3.1 PSD

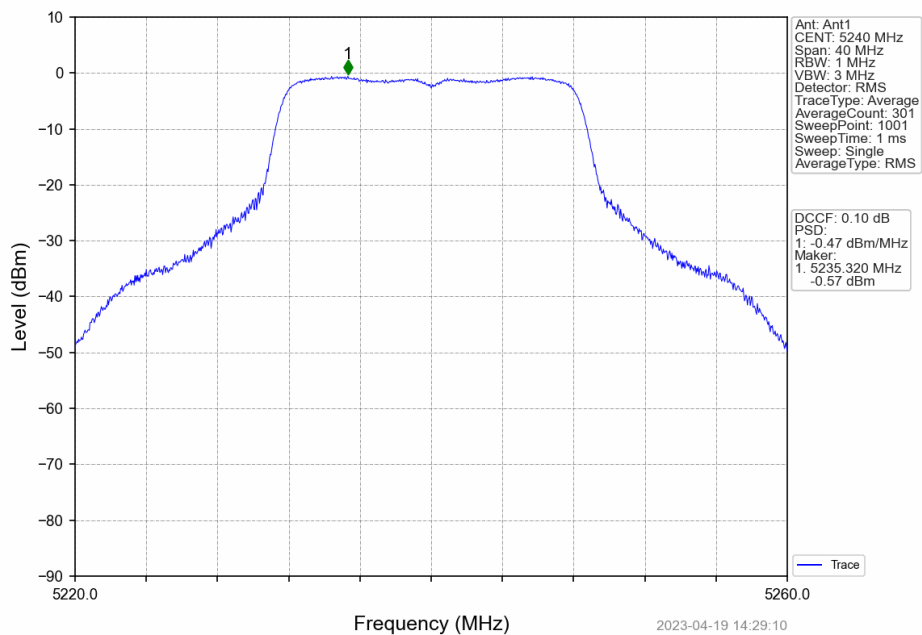
3.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/MHz)		Verdict
			ANT1	Limit	
802.11a	SISO	5180	1.16	<=11	Pass
		5200	0.60	<=11	Pass
		5240	-0.47	<=11	Pass
802.11n (HT20)	SISO	5180	0.94	<=11	Pass
		5200	0.09	<=11	Pass
		5240	-0.79	<=11	Pass
802.11n (HT40)	SISO	5190	-3.27	<=11	Pass
		5230	-3.78	<=11	Pass
802.11ac (VHT20)	SISO	5180	0.49	<=11	Pass
		5200	-0.06	<=11	Pass
		5240	-0.83	<=11	Pass
802.11ac (VHT40)	SISO	5190	-3.13	<=11	Pass
		5230	-3.97	<=11	Pass
Note1: Antenna Gain: Ant1: 1.29dBi;					

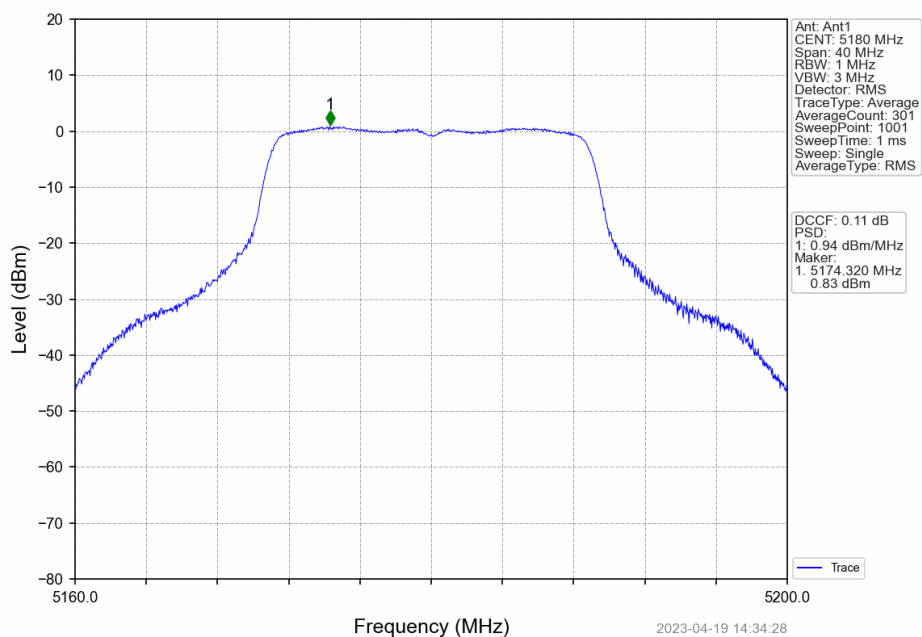
3.1.2 Test Graph

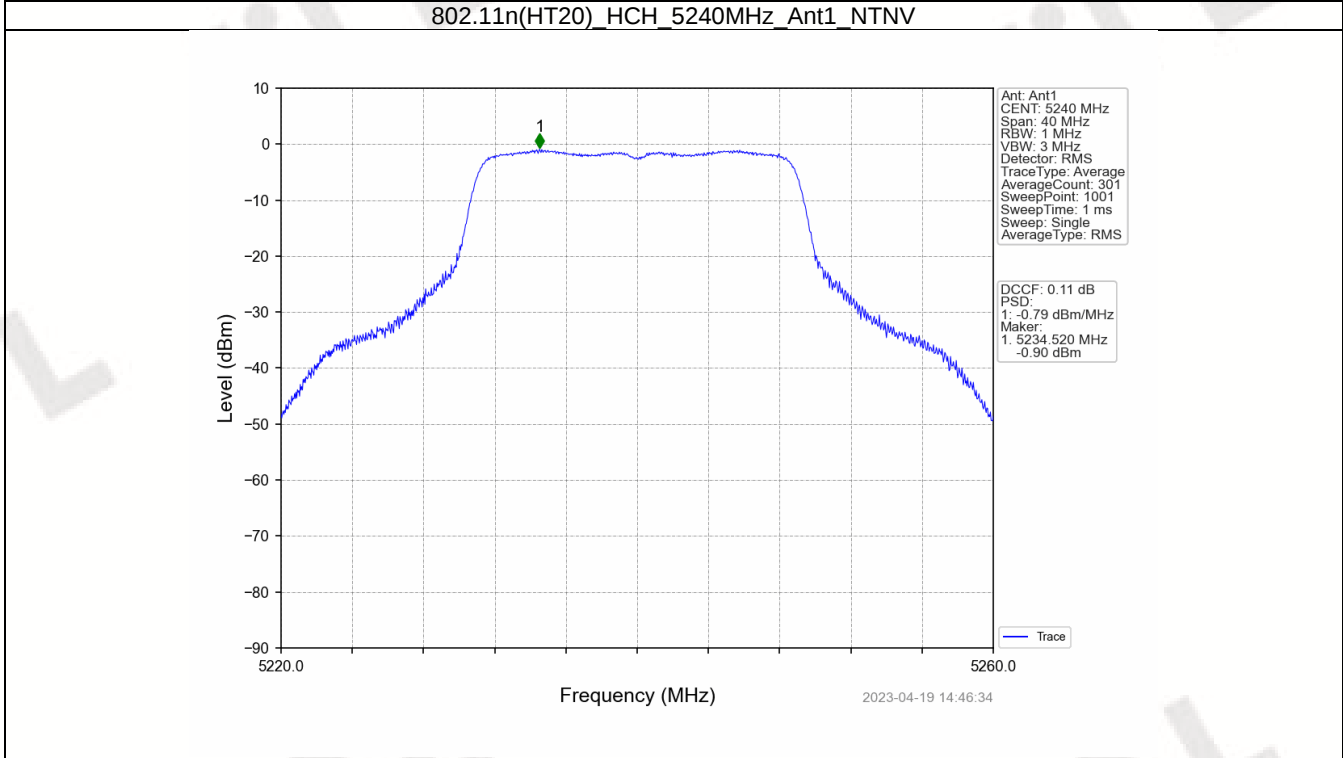
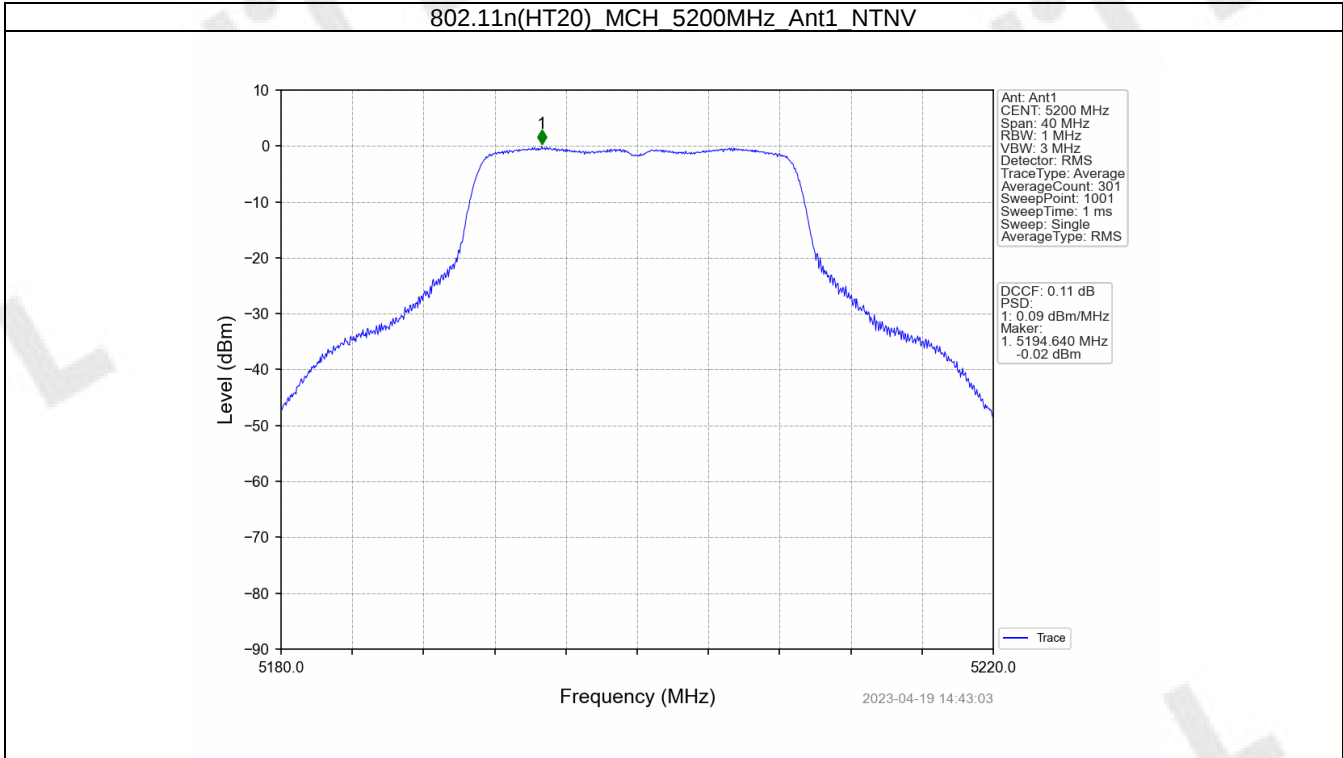


802.11a HCH 5240MHz Ant1 NTN

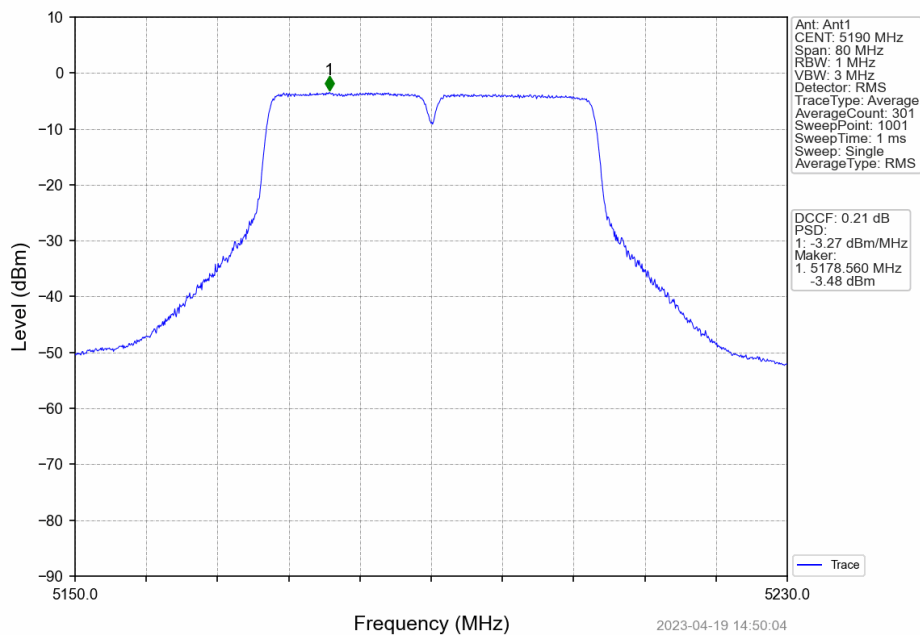


802.11n(HT20) LCH 5180MHz Ant1 NTN

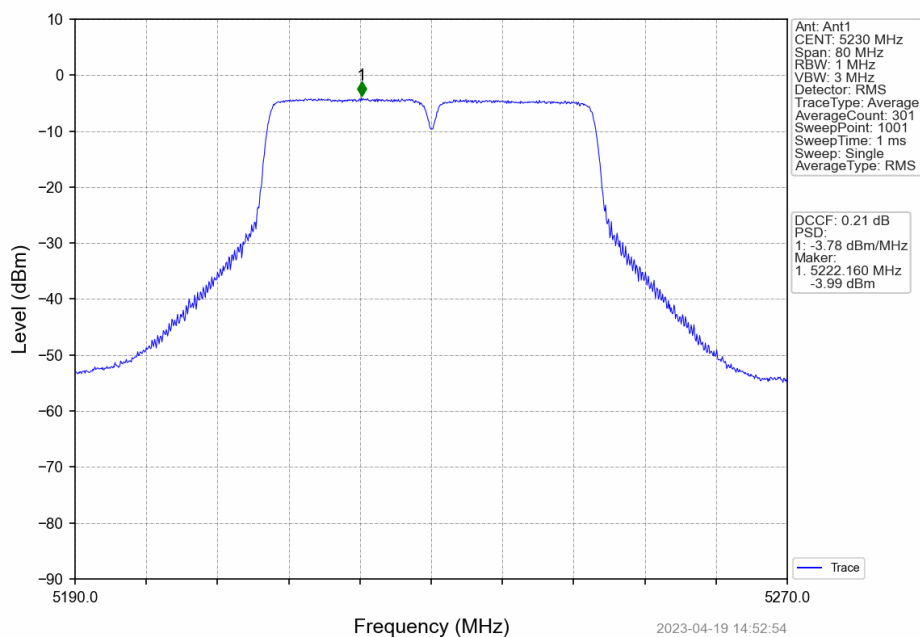




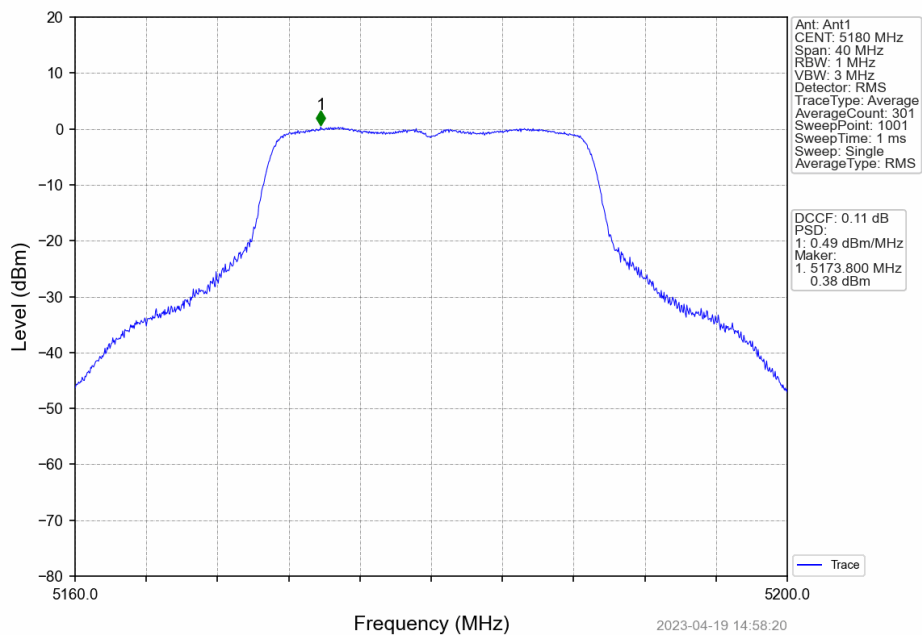
802.11n(HT40) LCH 5190MHz Ant1 NTV



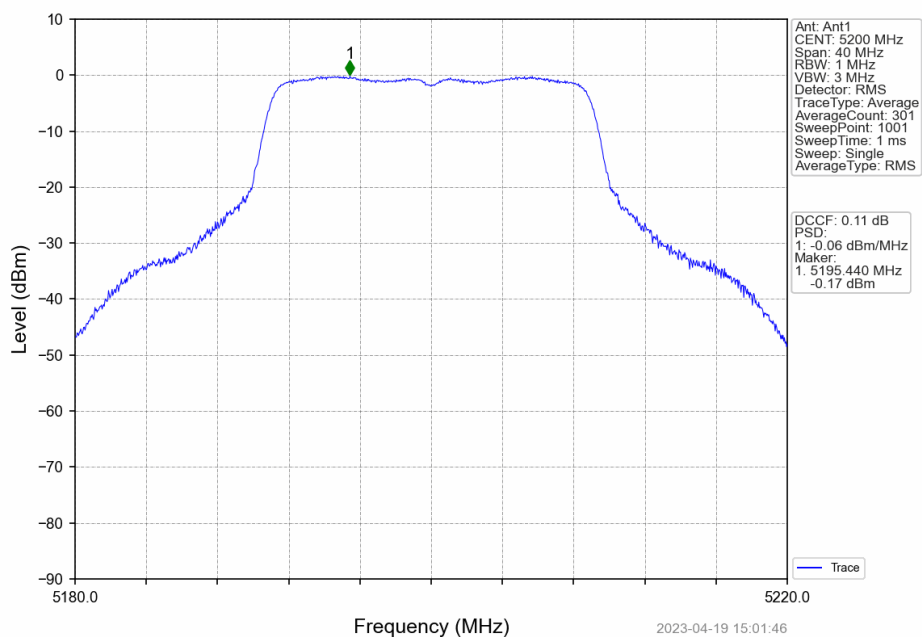
802.11n(HT40)_HCH_5230MHz_Ant1_NTV



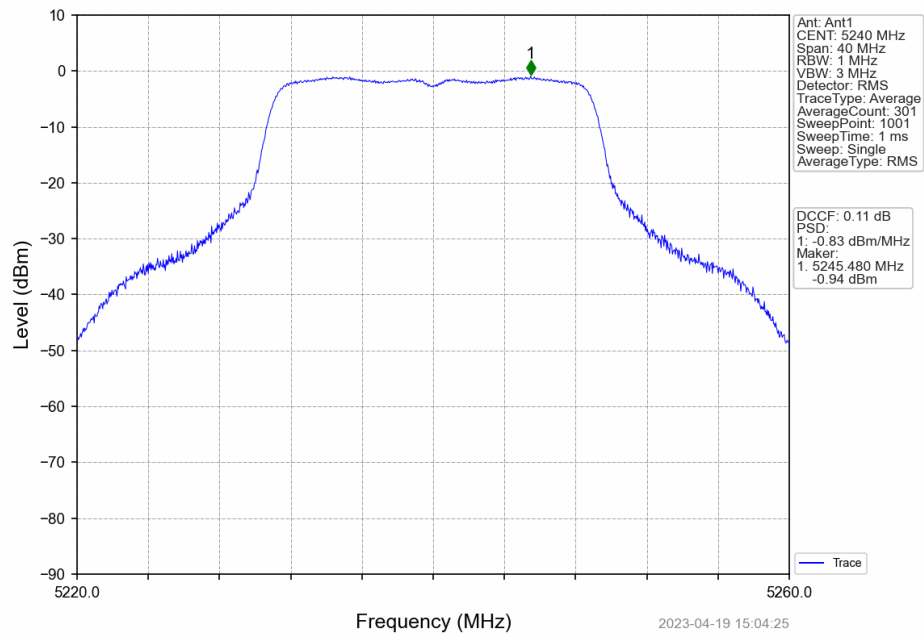
802.11ac(VHT20) LCH 5180MHz Ant1 NTN



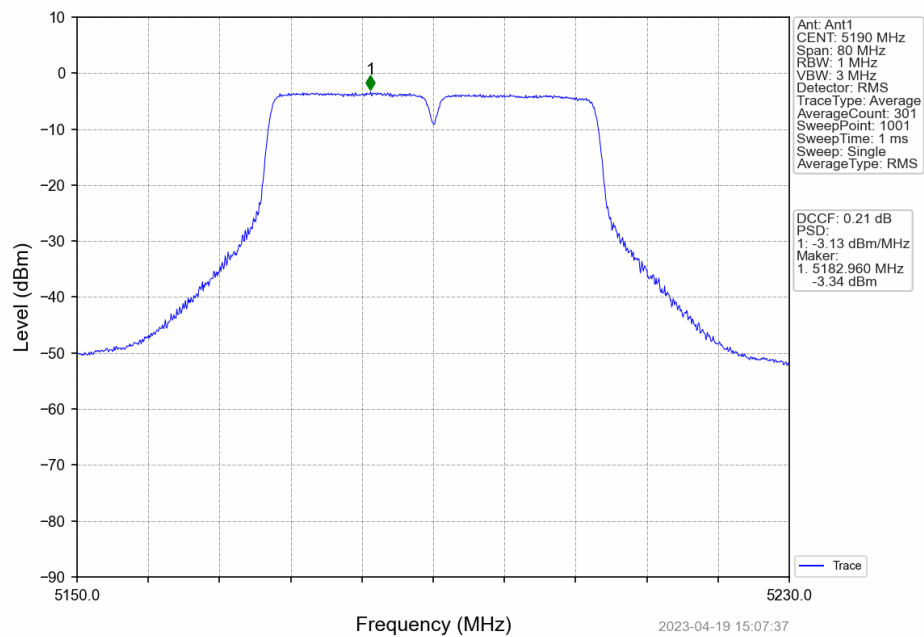
802.11ac(VHT20) MCH 5200MHz Ant1 NTN

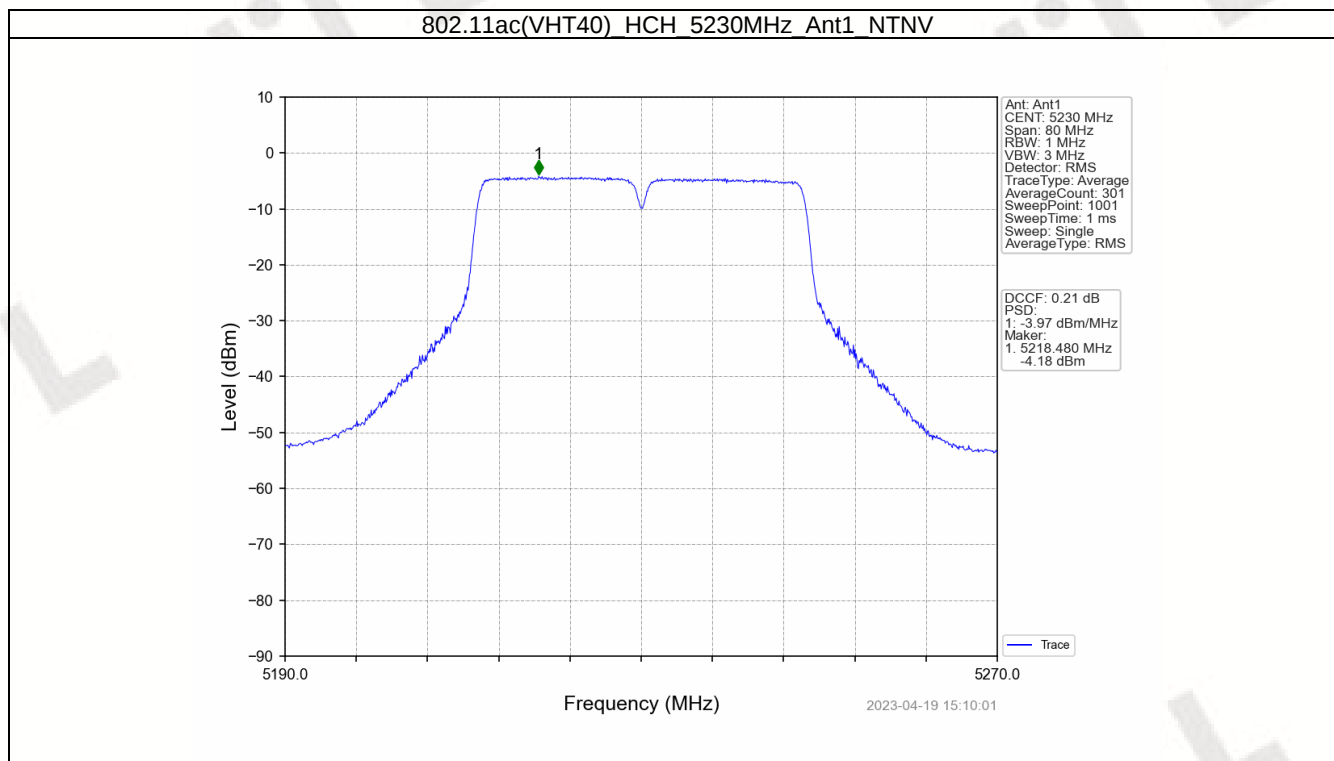


802.11ac(VHT20) HCH 5240MHz Ant1 NTN



802.11ac(VHT40)_LCH_5190MHz_Ant1_NTN





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	5180.040	5150 to 5250	Pass
				120	5180.020	5150 to 5250	Pass
				138	5180.020	5150 to 5250	Pass
			-30	120	5180.000	5150 to 5250	Pass
			-20	120	5180.000	5150 to 5250	Pass
			-10	120	5180.040	5150 to 5250	Pass
			0	120	5180.040	5150 to 5250	Pass
			10	120	5179.960	5150 to 5250	Pass
			30	120	5180.040	5150 to 5250	Pass
			40	120	5179.980	5150 to 5250	Pass
			50	120	5180.000	5150 to 5250	Pass
		5200	20	102	5200.000	5150 to 5250	Pass
				120	5199.980	5150 to 5250	Pass
				138	5200.000	5150 to 5250	Pass
			-30	120	5199.940	5150 to 5250	Pass
			-20	120	5200.020	5150 to 5250	Pass
			-10	120	5200.040	5150 to 5250	Pass
			0	120	5199.980	5150 to 5250	Pass
			10	120	5200.020	5150 to 5250	Pass
			30	120	5199.980	5150 to 5250	Pass
			40	120	5200.040	5150 to 5250	Pass
			50	120	5199.980	5150 to 5250	Pass
		5240	20	102	5240.040	5150 to 5250	Pass
				120	5239.980	5150 to 5250	Pass
				138	5240.020	5150 to 5250	Pass
			-30	120	5239.940	5150 to 5250	Pass
			-20	120	5239.980	5150 to 5250	Pass
			-10	120	5240.000	5150 to 5250	Pass
			0	120	5240.020	5150 to 5250	Pass
			10	120	5239.940	5150 to 5250	Pass
			30	120	5240.040	5150 to 5250	Pass
			40	120	5240.060	5150 to 5250	Pass
			50	120	5240.000	5150 to 5250	Pass
802.11n (HT20)	SISO	5180	20	102	5180.020	5150 to 5250	Pass
				120	5180.000	5150 to 5250	Pass
				138	5179.960	5150 to 5250	Pass
			-30	120	5180.000	5150 to 5250	Pass
			-20	120	5179.980	5150 to 5250	Pass
			-10	120	5180.000	5150 to 5250	Pass
			0	120	5180.000	5150 to 5250	Pass
			10	120	5180.060	5150 to 5250	Pass
			30	120	5180.000	5150 to 5250	Pass
			40	120	5180.000	5150 to 5250	Pass
			50	120	5179.980	5150 to 5250	Pass
		5200	20	102	5200.000	5150 to 5250	Pass
				120	5199.980	5150 to 5250	Pass
				138	5199.940	5150 to 5250	Pass
			-30	120	5200.000	5150 to 5250	Pass
			-20	120	5200.000	5150 to 5250	Pass

			-10	120	5199.980	5150 to 5250	Pass
			0	120	5200.020	5150 to 5250	Pass
			10	120	5200.000	5150 to 5250	Pass
			30	120	5200.000	5150 to 5250	Pass
			40	120	5199.980	5150 to 5250	Pass
			50	120	5199.960	5150 to 5250	Pass
		5240	20	102	5239.980	5150 to 5250	Pass
				120	5240.020	5150 to 5250	Pass
				138	5240.000	5150 to 5250	Pass
			-30	120	5240.000	5150 to 5250	Pass
			-20	120	5239.980	5150 to 5250	Pass
			-10	120	5240.020	5150 to 5250	Pass
			0	120	5239.960	5150 to 5250	Pass
			10	120	5240.000	5150 to 5250	Pass
			30	120	5240.020	5150 to 5250	Pass
			40	120	5240.000	5150 to 5250	Pass
			50	120	5239.980	5150 to 5250	Pass
802.11n (HT40)	SISO	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	5190.040	5150 to 5250	Pass
			-20	120	5189.960	5150 to 5250	Pass
			-10	120	5190.040	5150 to 5250	Pass
			0	120	5190.080	5150 to 5250	Pass
			10	120	5190.040	5150 to 5250	Pass
			30	120	5190.080	5150 to 5250	Pass
			40	120	5190.040	5150 to 5250	Pass
			50	120	5190.040	5150 to 5250	Pass
		5230	20	102	5230.000	5150 to 5250	Pass
				120	5230.080	5150 to 5250	Pass
				138	5230.040	5150 to 5250	Pass
			-30	120	5230.000	5150 to 5250	Pass
			-20	120	5230.080	5150 to 5250	Pass
			-10	120	5230.000	5150 to 5250	Pass
			0	120	5230.040	5150 to 5250	Pass
			10	120	5230.040	5150 to 5250	Pass
			30	120	5230.080	5150 to 5250	Pass
802.11ac (VHT20)	SISO	5180	20	102	5179.960	5150 to 5250	Pass
				120	5179.980	5150 to 5250	Pass
				138	5179.960	5150 to 5250	Pass
			-30	120	5179.980	5150 to 5250	Pass
			-20	120	5180.040	5150 to 5250	Pass
			-10	120	5180.000	5150 to 5250	Pass
			0	120	5180.000	5150 to 5250	Pass
			10	120	5180.000	5150 to 5250	Pass
			30	120	5180.060	5150 to 5250	Pass
			40	120	5179.980	5150 to 5250	Pass
			50	120	5180.040	5150 to 5250	Pass
		5200	20	102	5200.000	5150 to 5250	Pass
				120	5200.040	5150 to 5250	Pass
				138	5200.020	5150 to 5250	Pass
			-30	120	5199.980	5150 to 5250	Pass
			-20	120	5199.960	5150 to 5250	Pass
			-10	120	5199.980	5150 to 5250	Pass
			0	120	5199.960	5150 to 5250	Pass
			10	120	5200.000	5150 to 5250	Pass
			30	120	5199.960	5150 to 5250	Pass

		5240	40	120	5200.000	5150 to 5250	Pass
			50	120	5200.020	5150 to 5250	Pass
			20	102	5239.980	5150 to 5250	Pass
				120	5240.000	5150 to 5250	Pass
				138	5239.980	5150 to 5250	Pass
			-30	120	5240.000	5150 to 5250	Pass
			-20	120	5239.980	5150 to 5250	Pass
			-10	120	5240.000	5150 to 5250	Pass
			0	120	5240.000	5150 to 5250	Pass
			10	120	5240.020	5150 to 5250	Pass
			30	120	5239.960	5150 to 5250	Pass
			40	120	5240.020	5150 to 5250	Pass
			50	120	5239.980	5150 to 5250	Pass
802.11ac (VHT40)	SISO	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	5190.040	5150 to 5250	Pass
			-20	120	5190.000	5150 to 5250	Pass
			-10	120	5190.040	5150 to 5250	Pass
			0	120	5190.040	5150 to 5250	Pass
			10	120	5190.120	5150 to 5250	Pass
			30	120	5190.040	5150 to 5250	Pass
			40	120	5190.080	5150 to 5250	Pass
			50	120	5190.000	5150 to 5250	Pass
		5230	20	102	5230.120	5150 to 5250	Pass
				120	5230.040	5150 to 5250	Pass
				138	5230.000	5150 to 5250	Pass
			-30	120	5230.040	5150 to 5250	Pass
			-20	120	5230.000	5150 to 5250	Pass
			-10	120	5230.040	5150 to 5250	Pass
			0	120	5230.000	5150 to 5250	Pass
			10	120	5230.080	5150 to 5250	Pass
			30	120	5230.040	5150 to 5250	Pass
			40	120	5230.040	5150 to 5250	Pass
			50	120	5230.040	5150 to 5250	Pass