

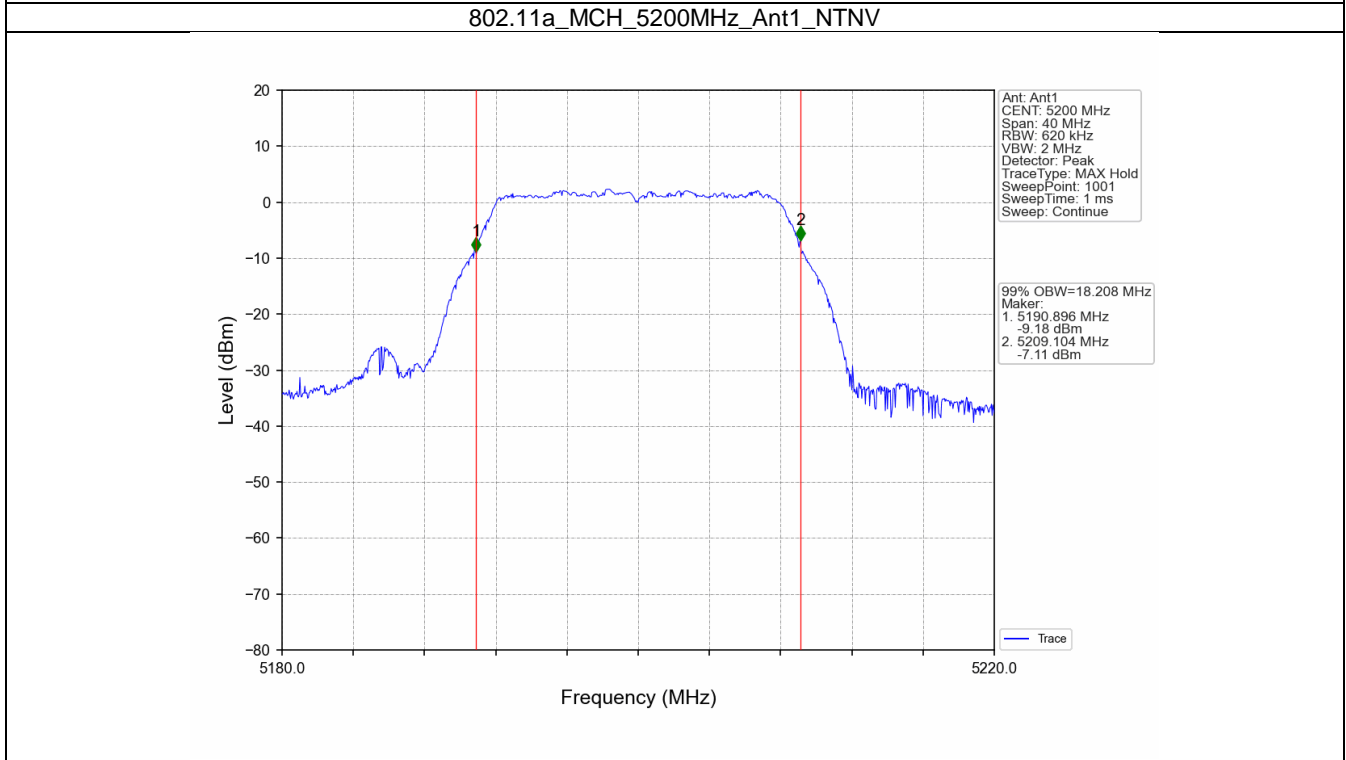
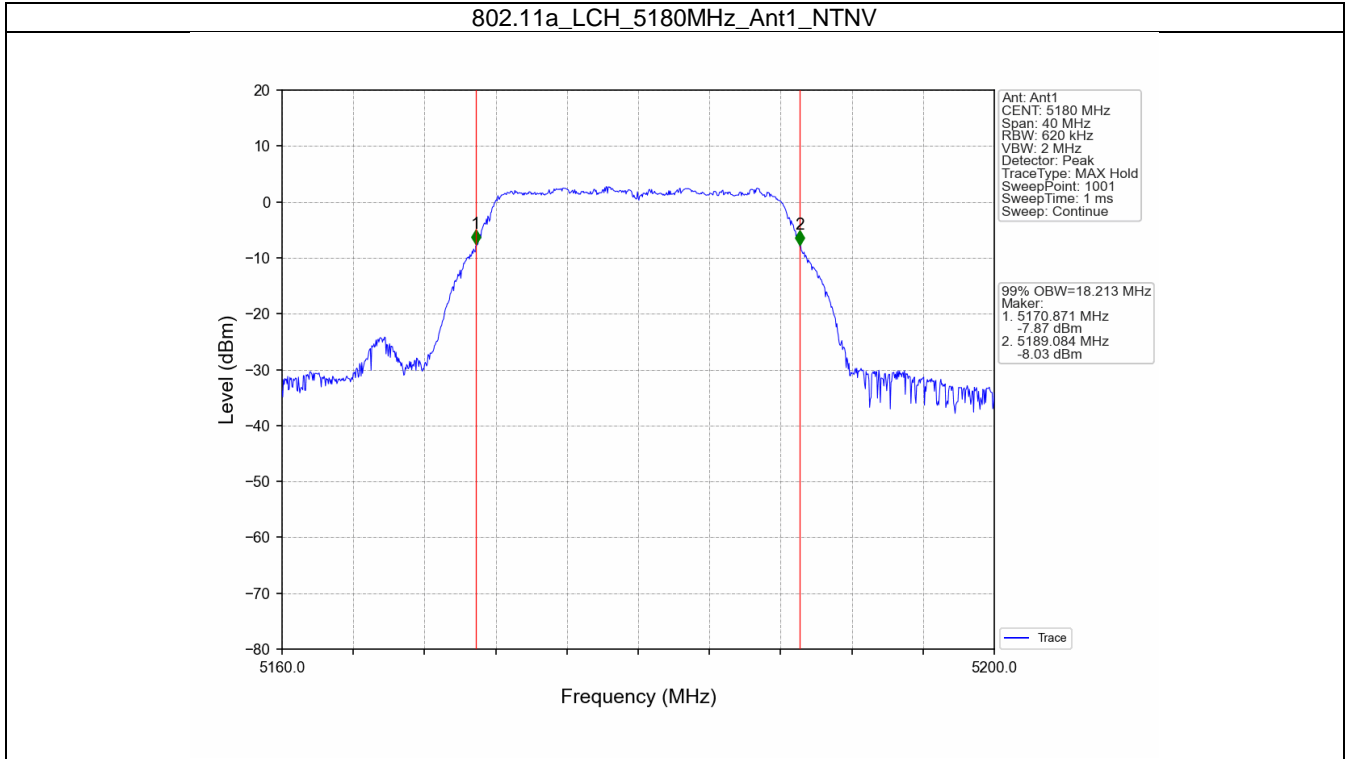
1. Bandwidth

1.1 OBW

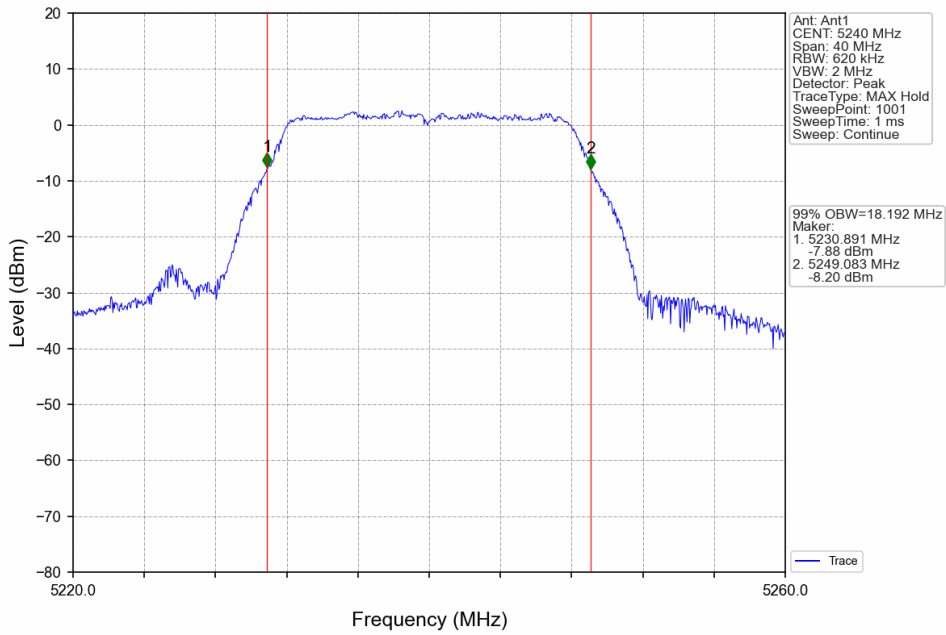
1.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5180	1	18.213	/	Pass
		5200	1	18.208	/	Pass
		5240	1	18.192	/	Pass
802.11n (HT20)	SISO	5180	1	19.118	/	Pass
		5200	1	19.090	/	Pass
		5240	1	18.976	/	Pass
802.11n (HT40)	SISO	5190	1	37.046	/	Pass
		5230	1	36.918	/	Pass

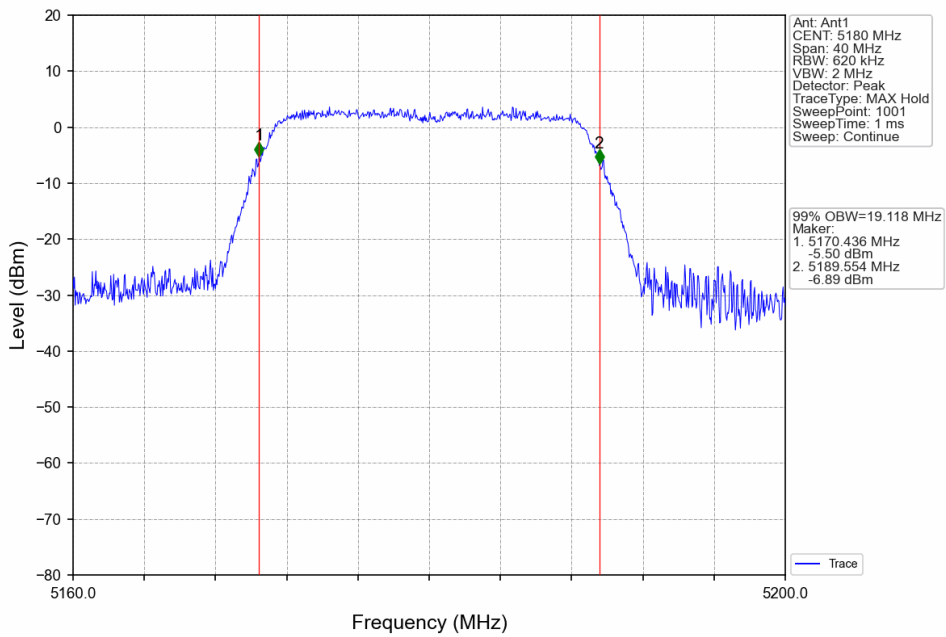
1.1.2 Test Graph



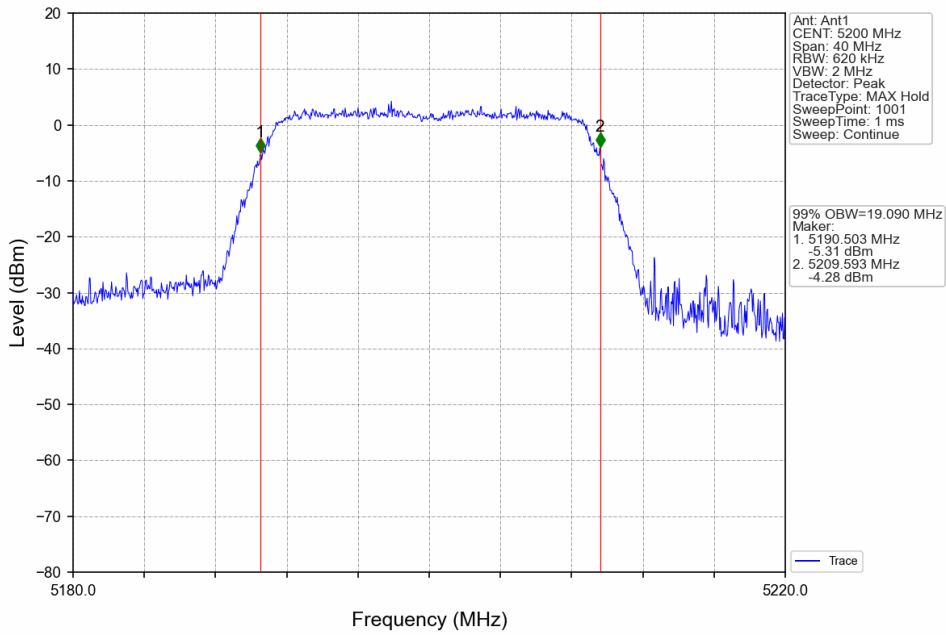
802.11a_HCH_5240MHz_Ant1_NTNV



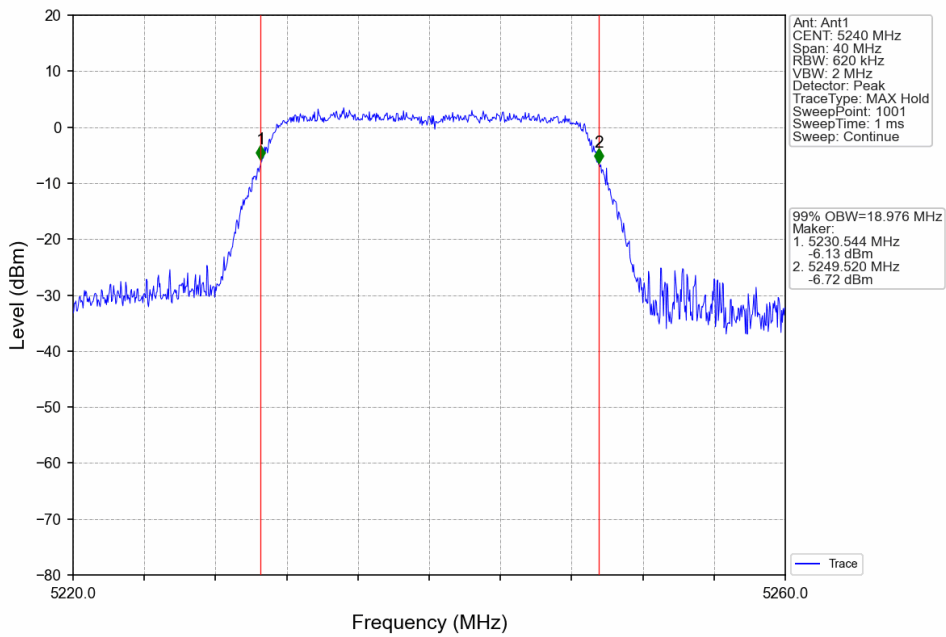
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



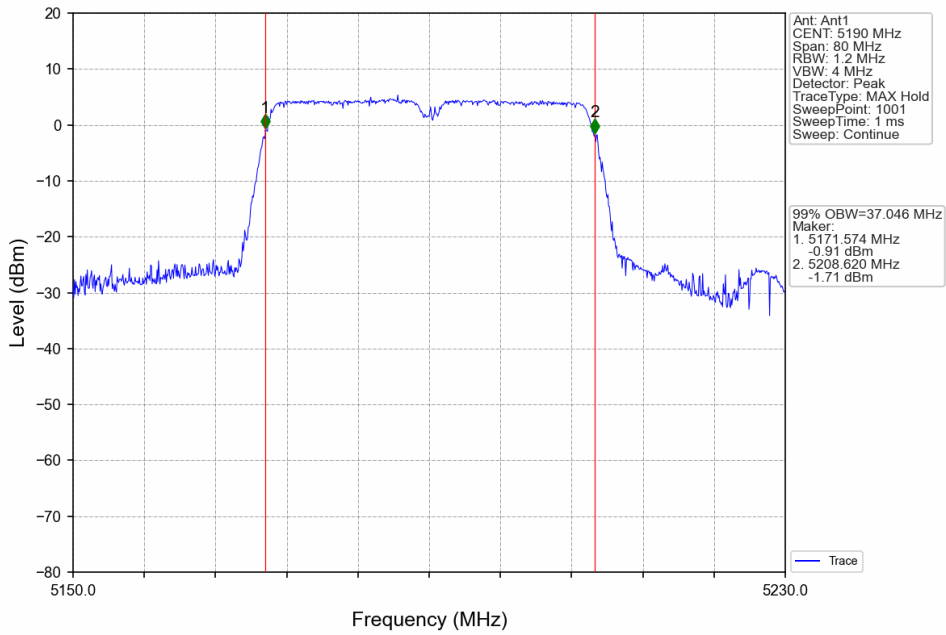
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



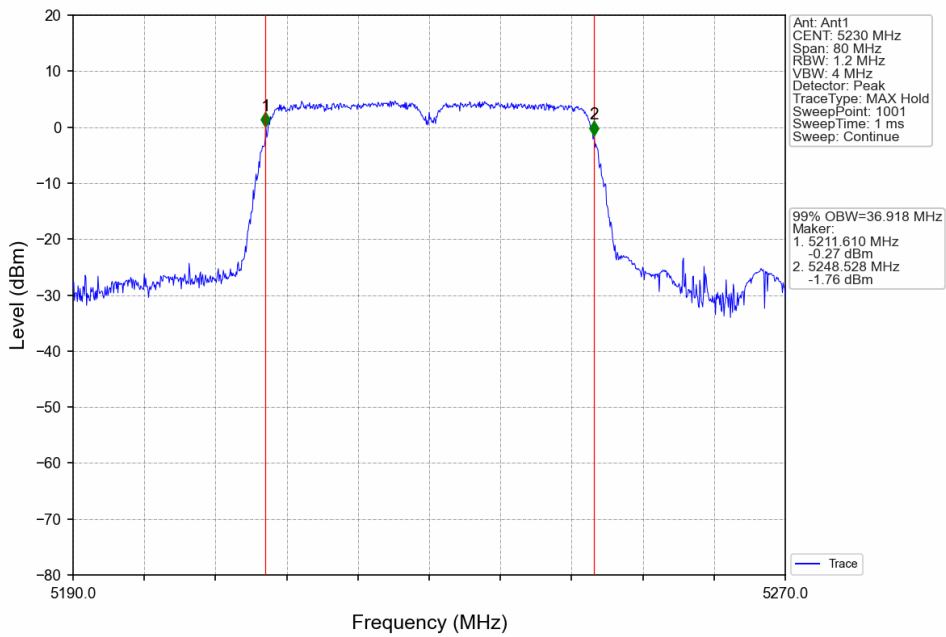
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



802.11n(HT40)_HCH_5230MHz_Ant1_NTNV

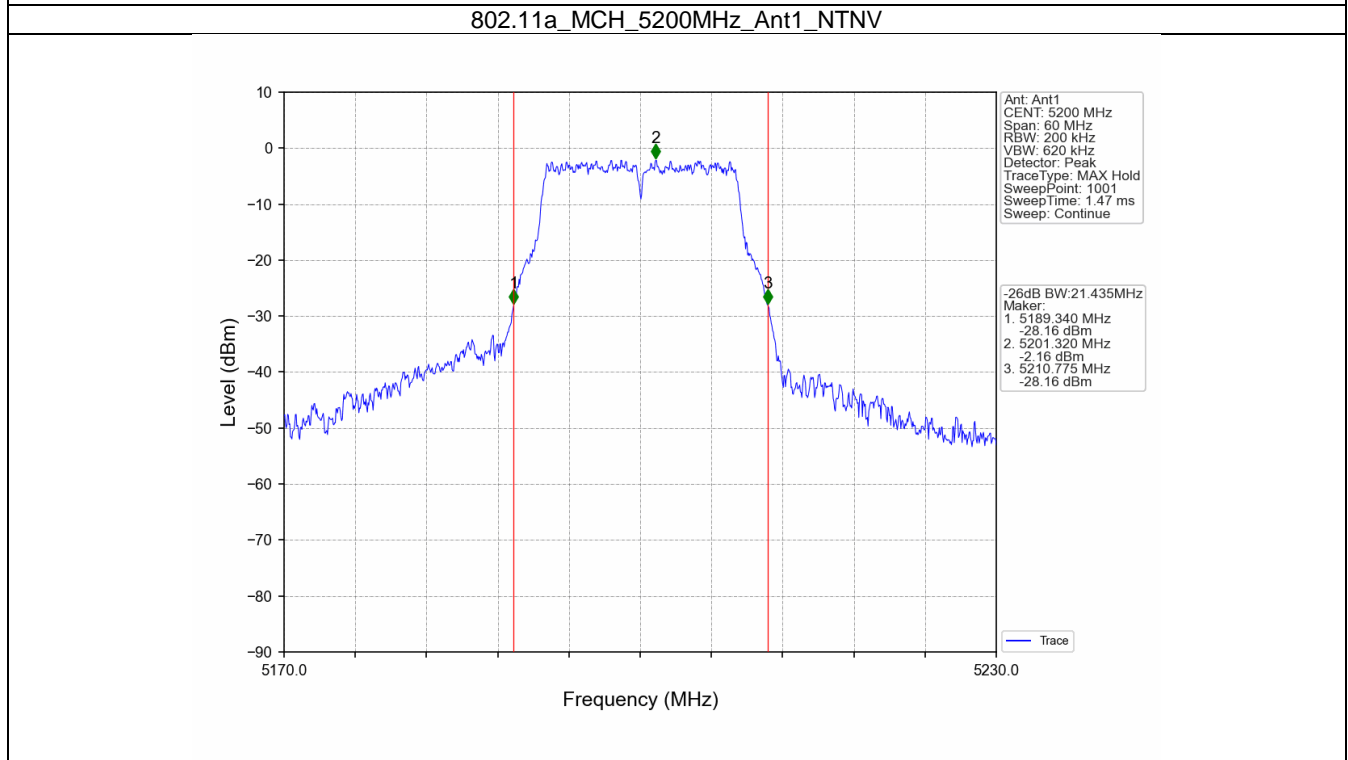
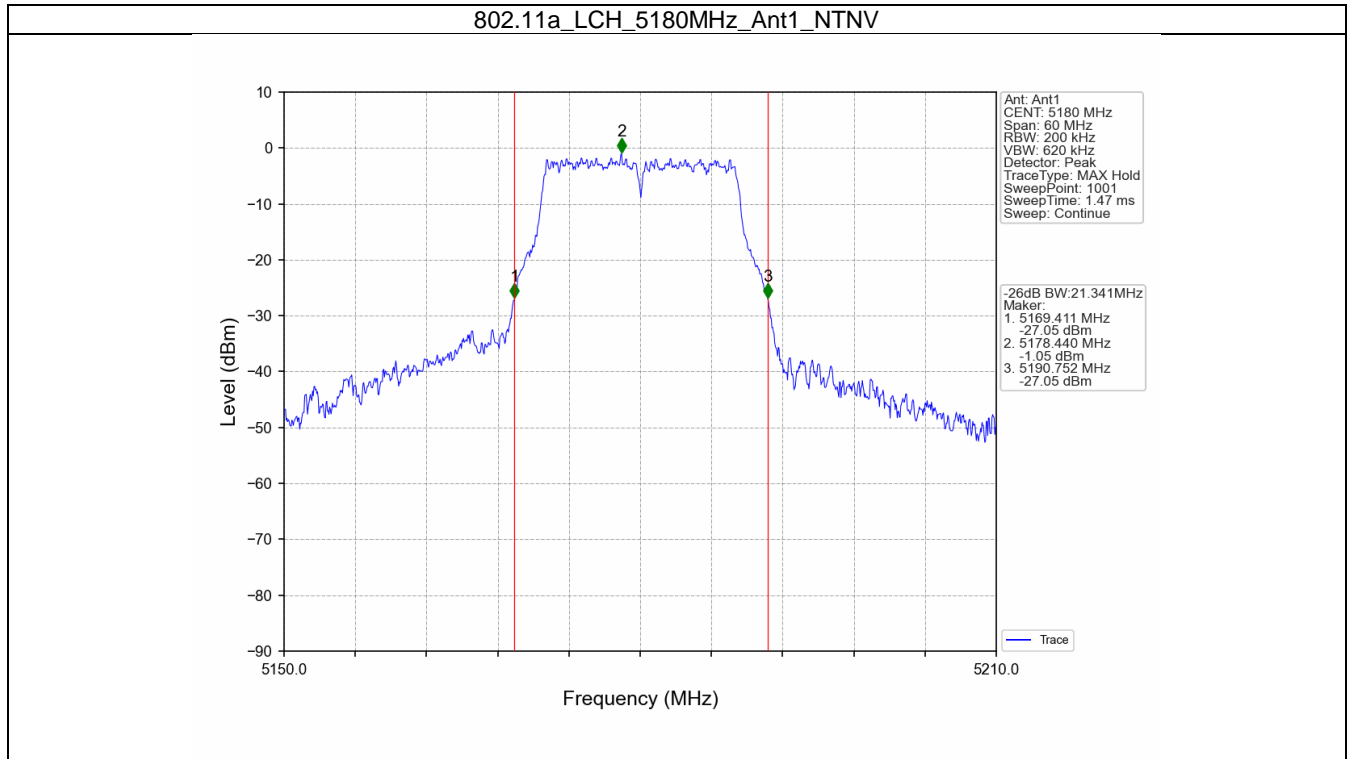


1.2 26dB BW

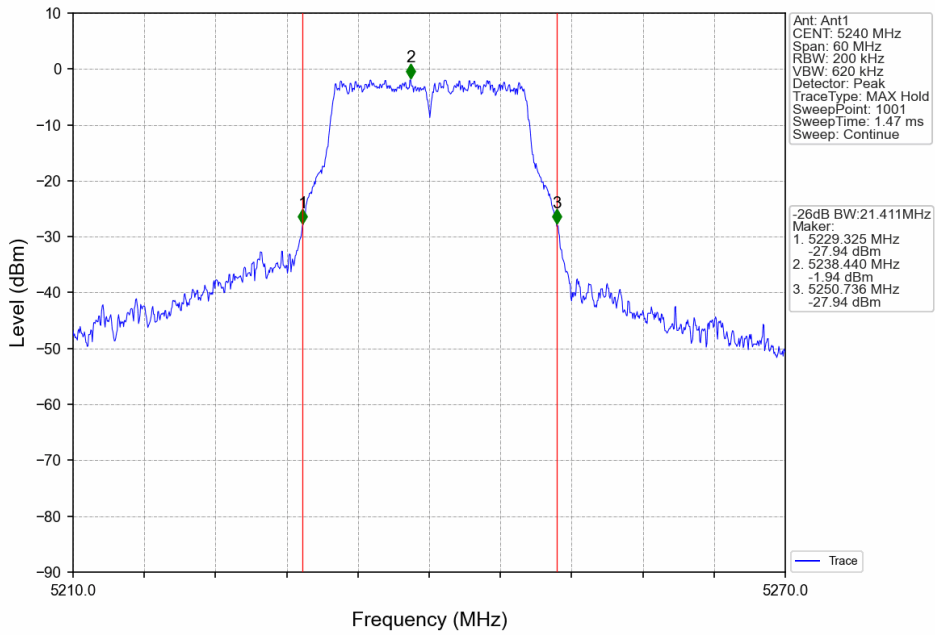
1.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	26dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5180	1	21.341	/	Pass
		5200	1	21.435	/	Pass
		5240	1	21.411	/	Pass
802.11n (HT20)	SISO	5180	1	21.911	/	Pass
		5200	1	21.837	/	Pass
		5240	1	21.846	/	Pass
802.11n (HT40)	SISO	5190	1	40.145	/	Pass
		5230	1	40.361	/	Pass

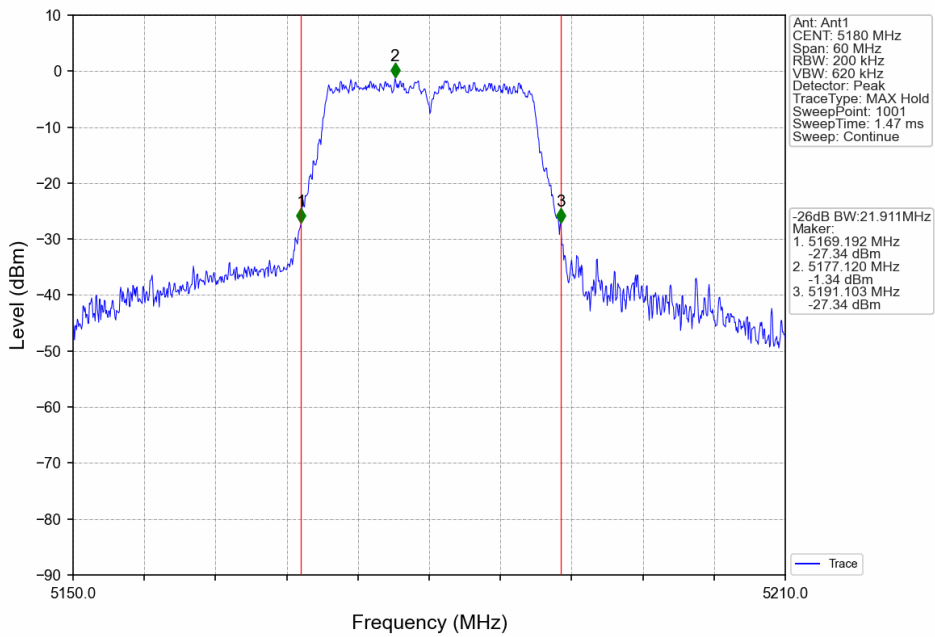
1.2.2 Test Graph



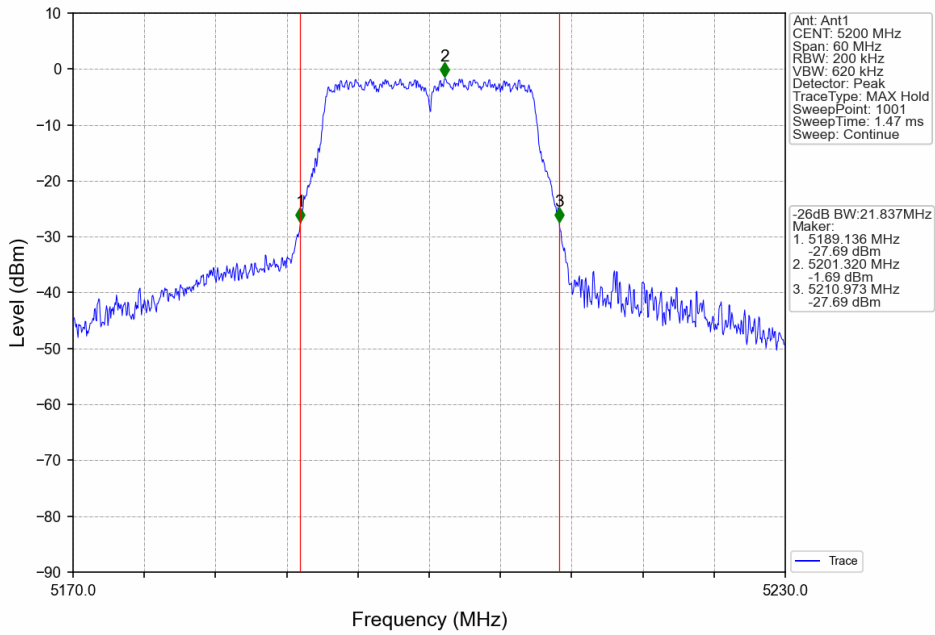
802.11a_HCH_5240MHz_Ant1_NTNV



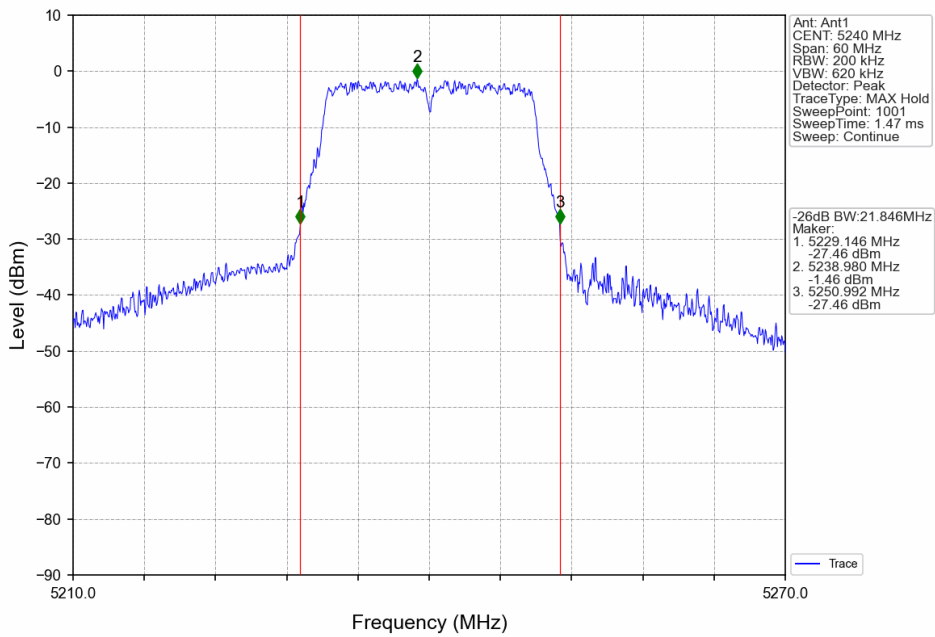
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



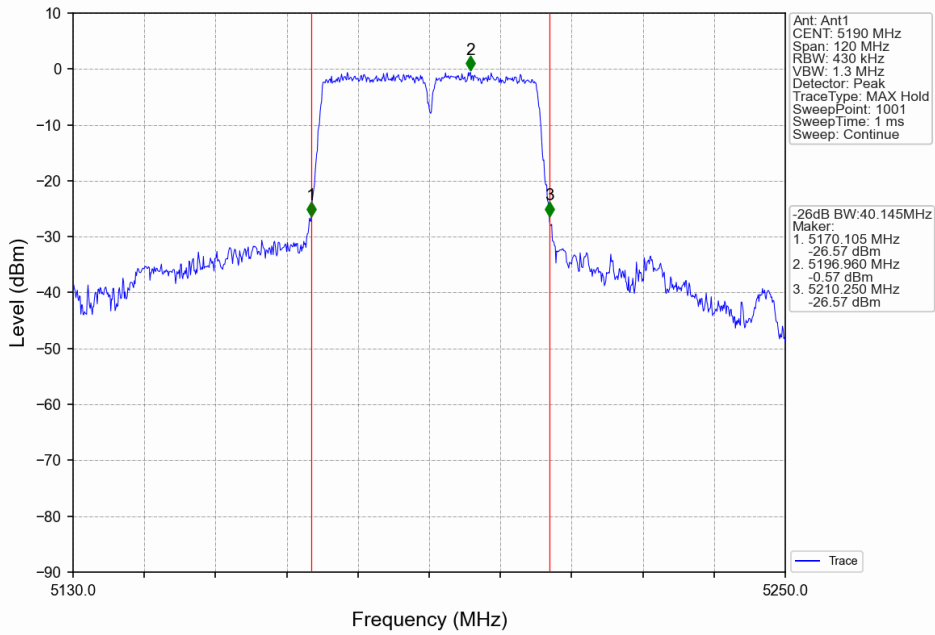
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



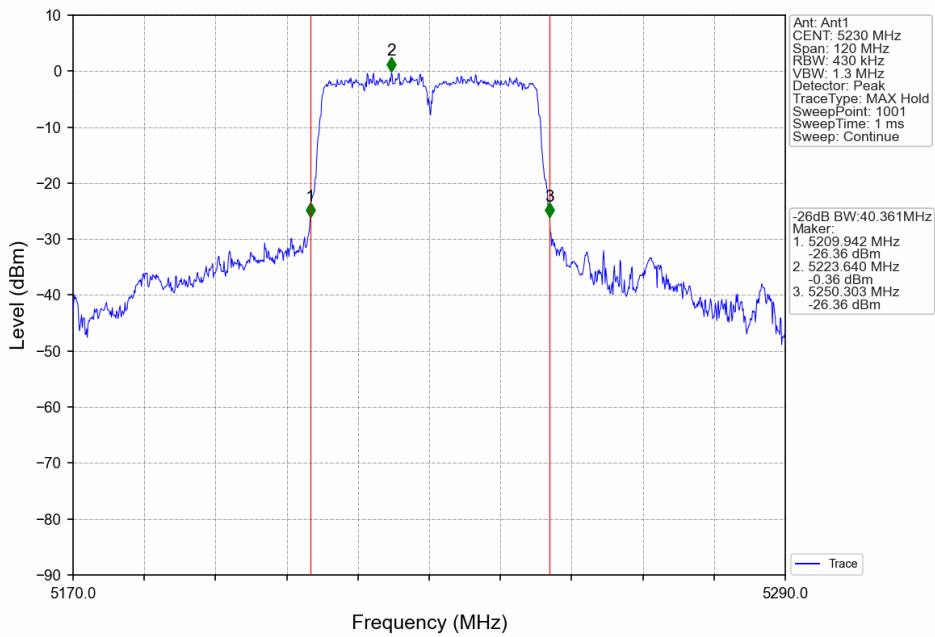
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



2. Maximum Conducted Output Power

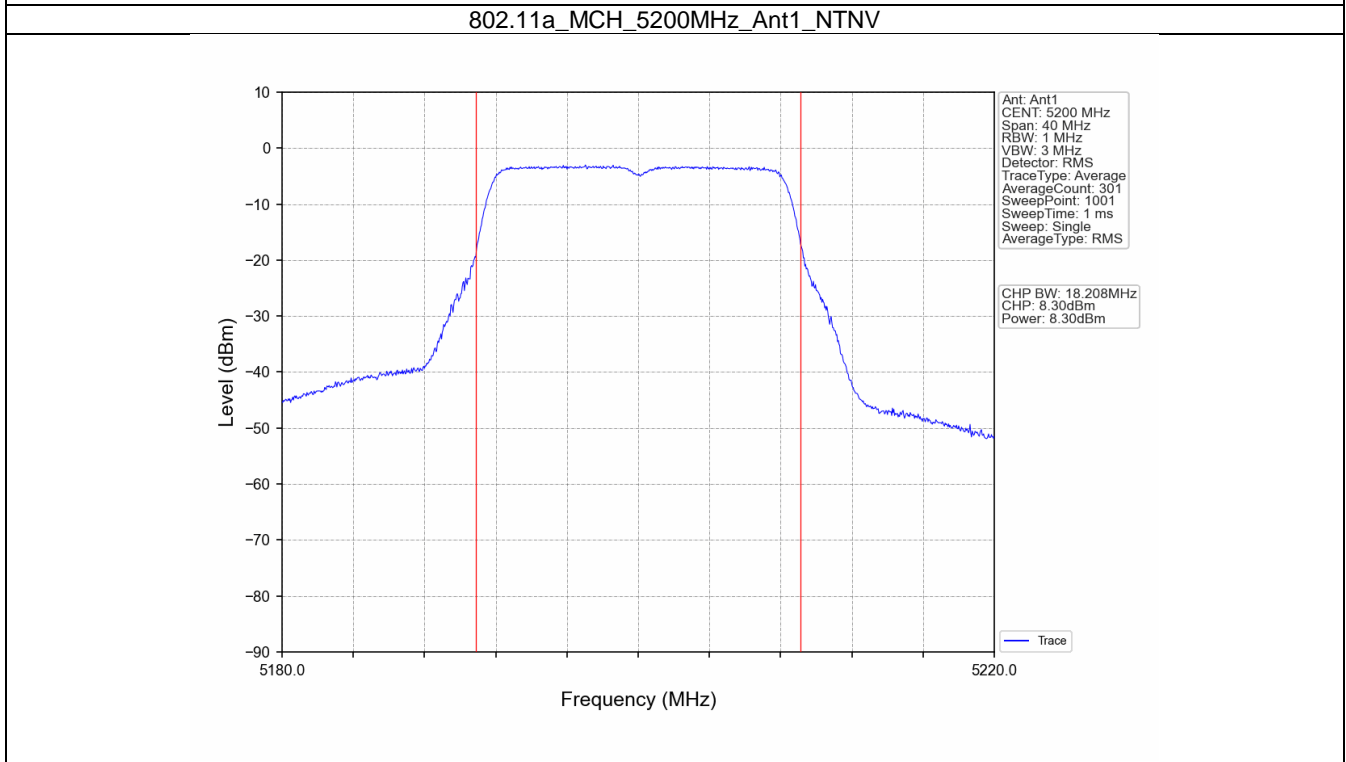
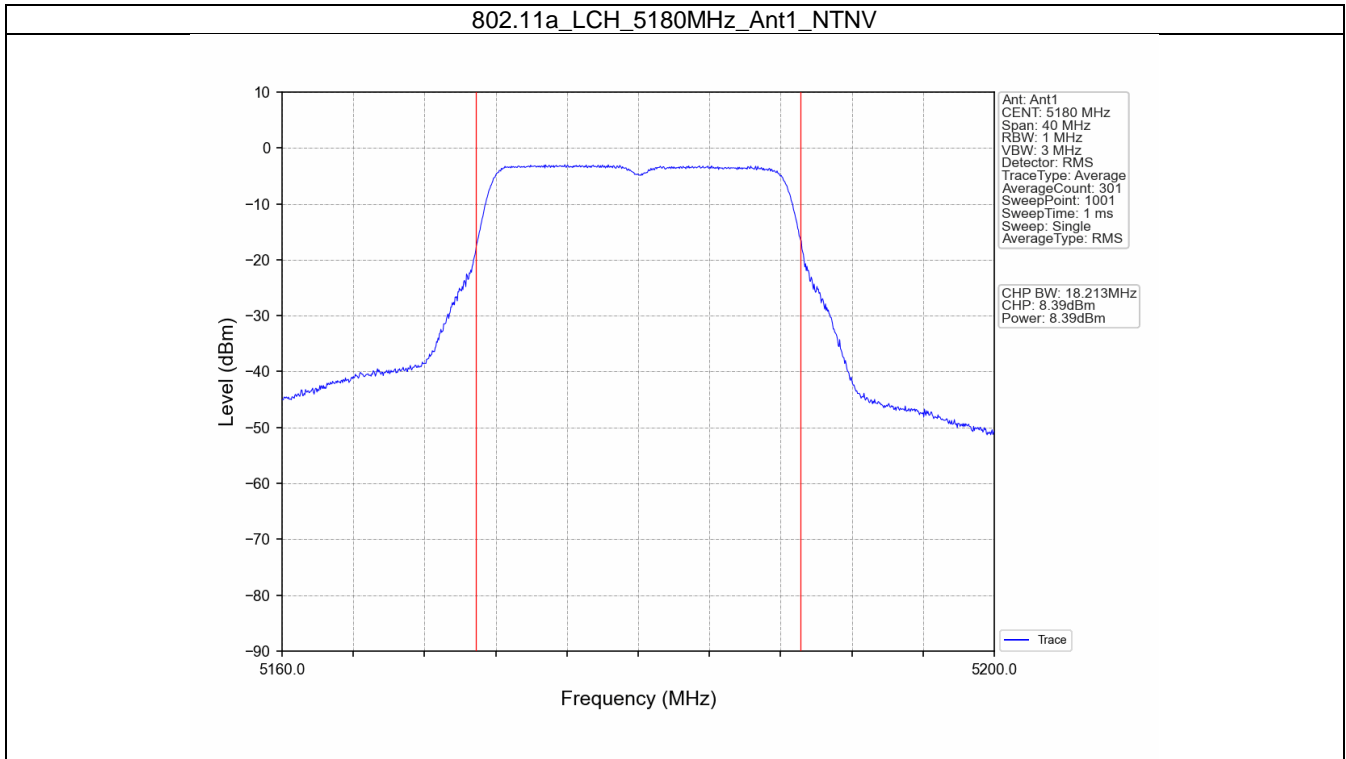
2.1 Power

2.1.1 Test Result

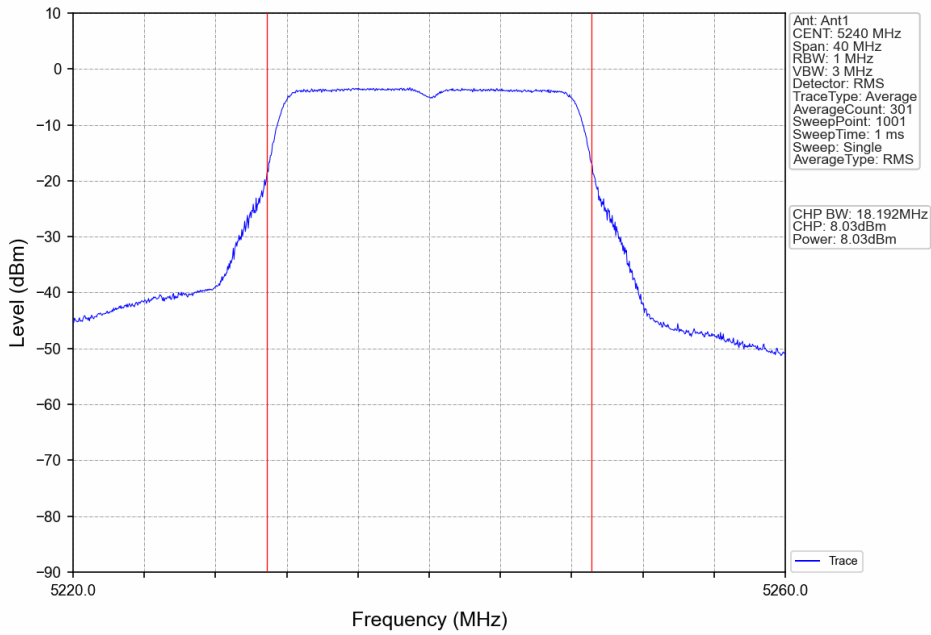
Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
802.11a	SISO	5180	8.39	<=23.98	Pass
		5200	8.30	<=23.98	Pass
		5240	8.03	<=23.98	Pass
802.11n (HT20)	SISO	5180	8.68	<=23.98	Pass
		5200	8.56	<=23.98	Pass
		5240	8.49	<=23.98	Pass
802.11n (HT40)	SISO	5190	9.52	<=23.98	Pass
		5230	9.34	<=23.98	Pass

Note1: Antenna Gain: Ant1: 3.86dBi;

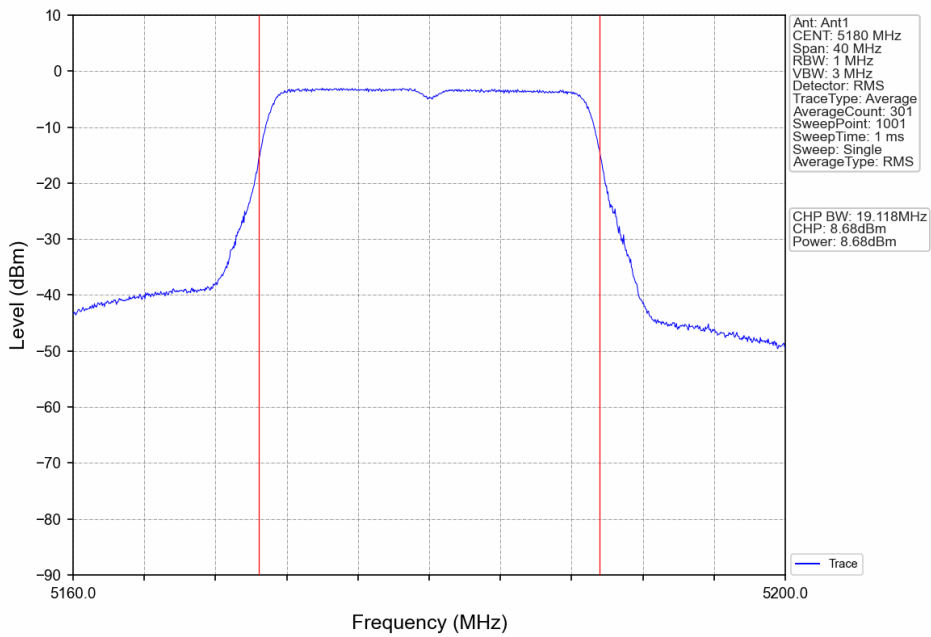
2.1.2 Test Graph



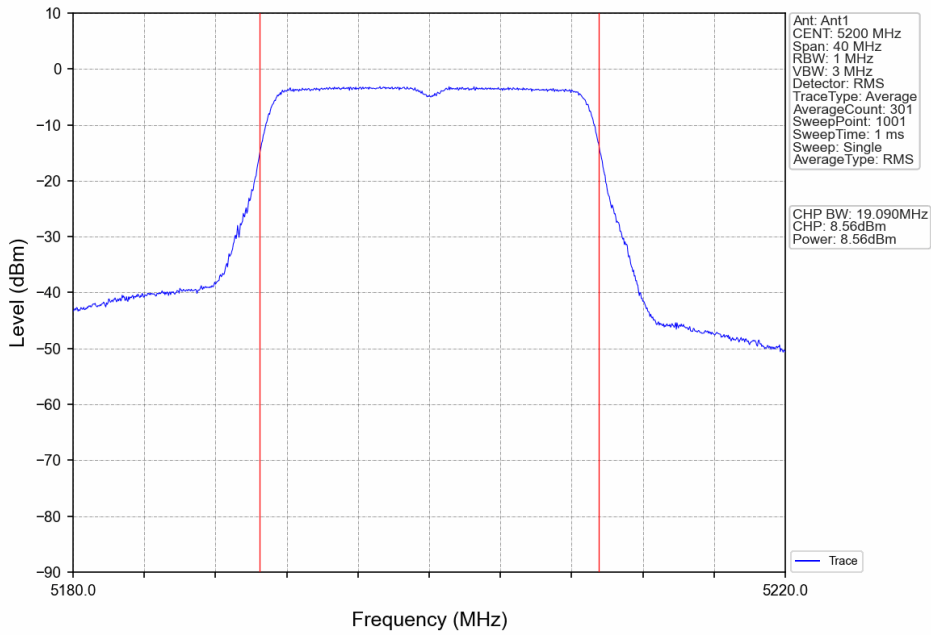
802.11a_HCH_5240MHz_Ant1_NTNV



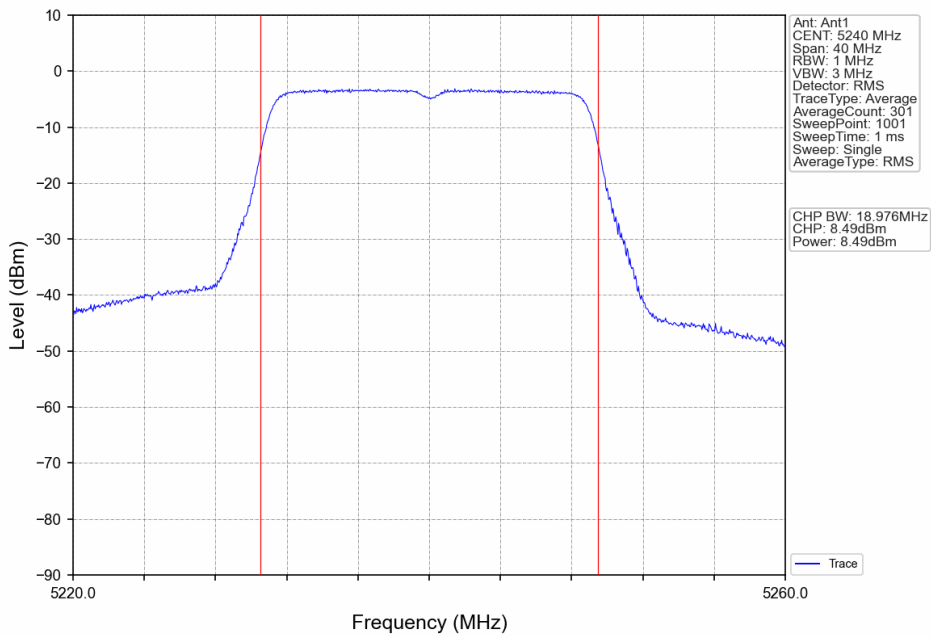
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



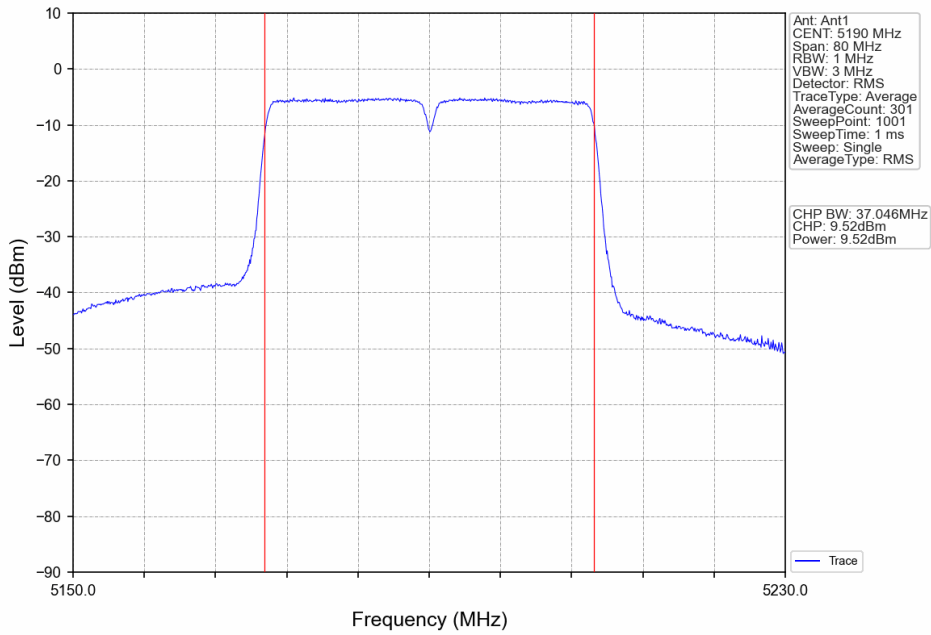
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



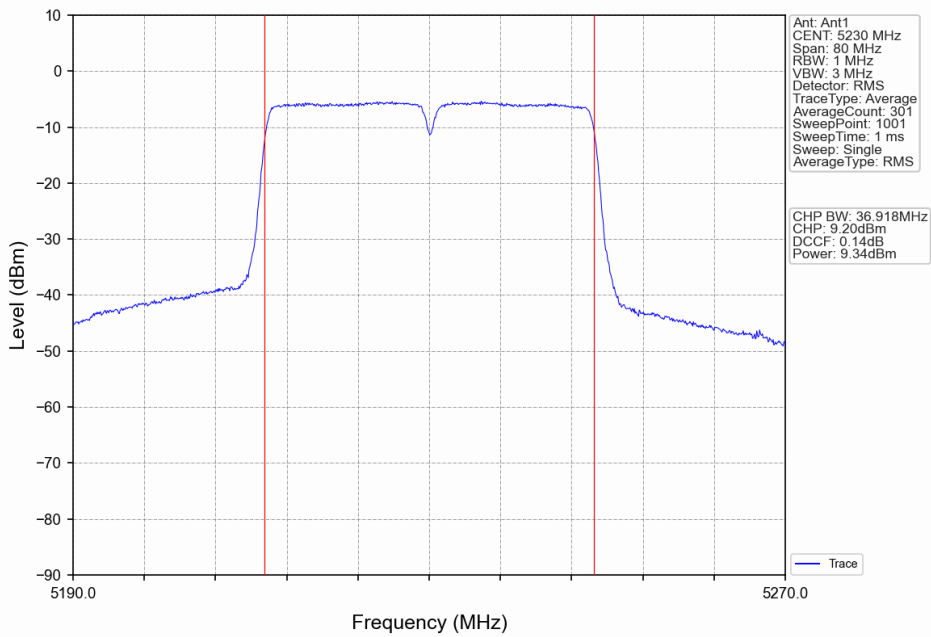
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



3. Maximum Power Spectral Density

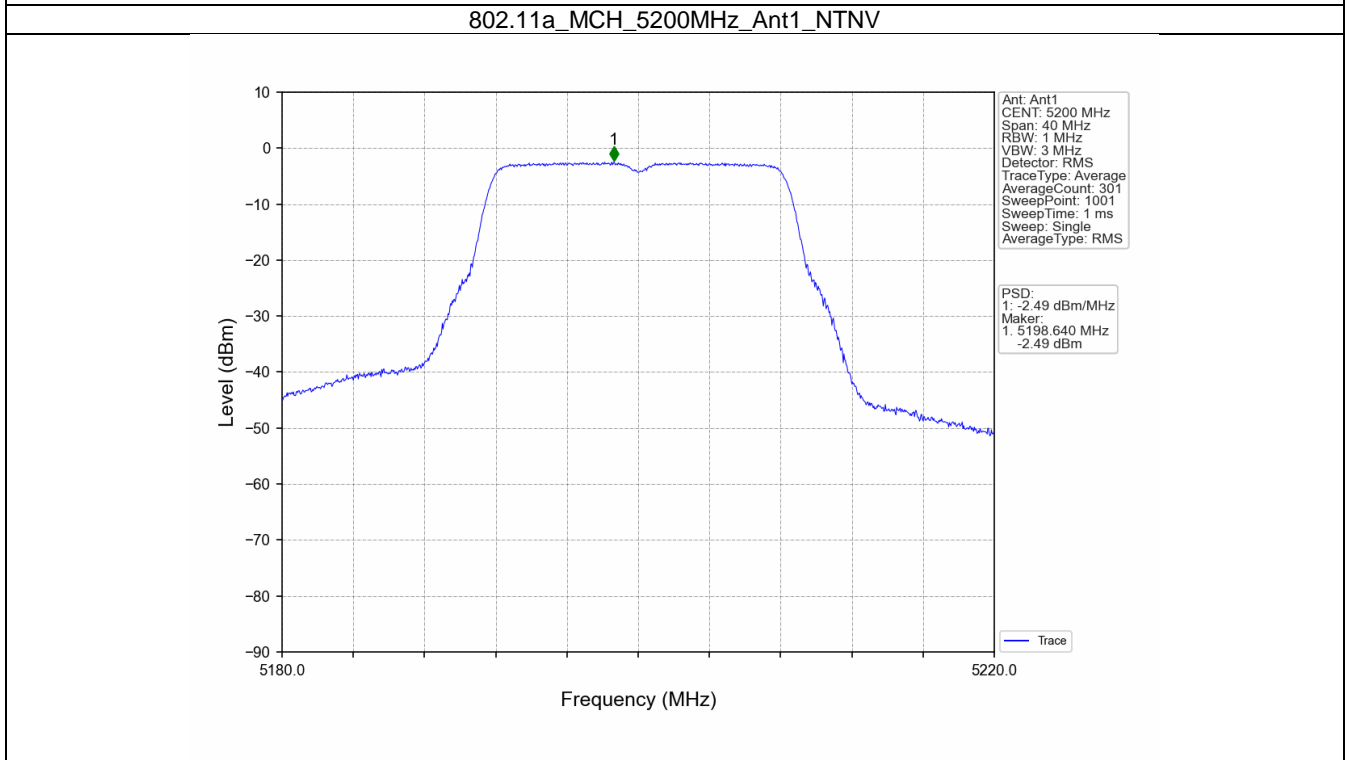
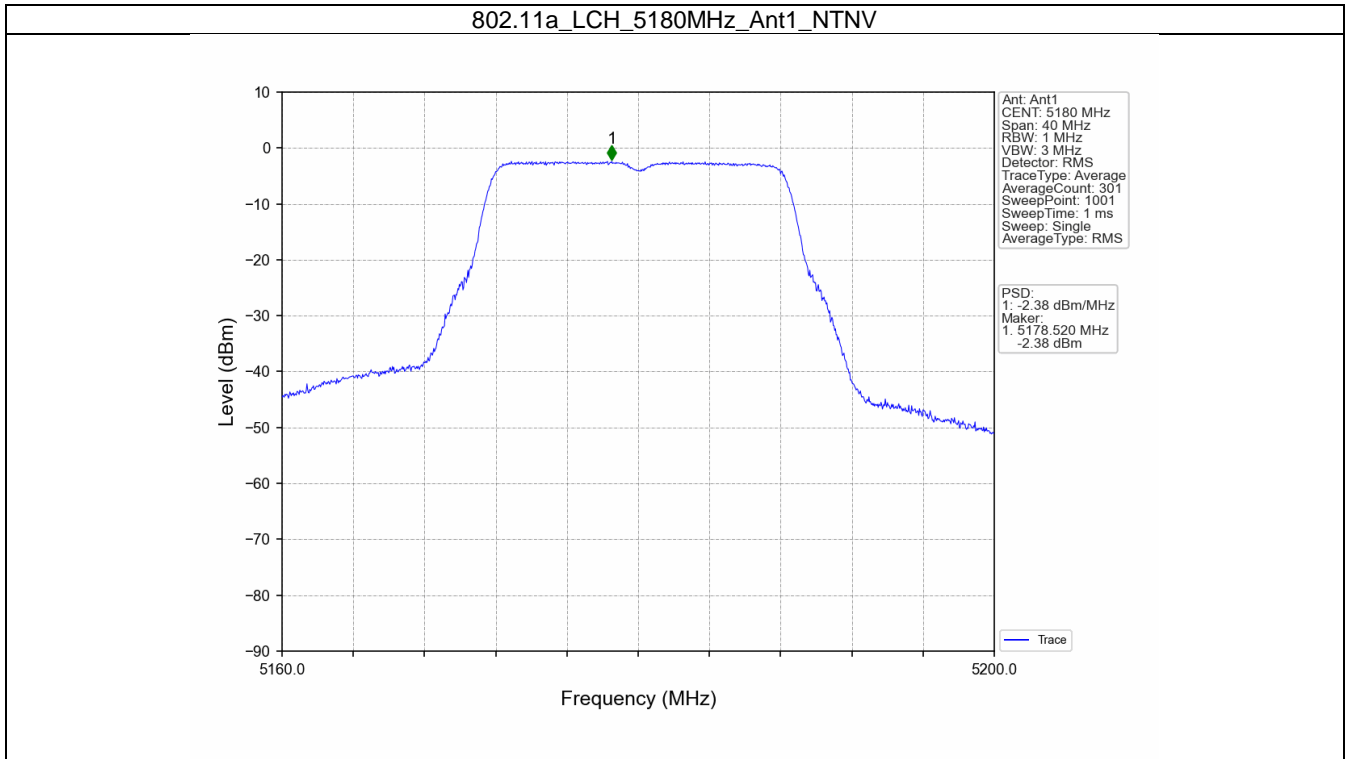
3.1 PSD

3.1.1 Test Result

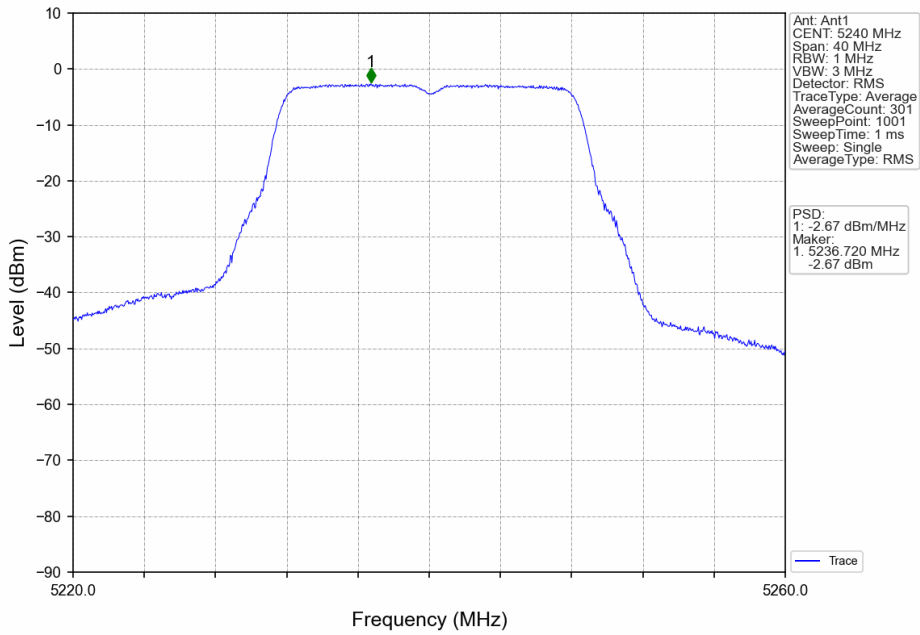
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/MHz)		Verdict
			ANT1	Limit	
802.11a	SISO	5180	-2.38	<=11	Pass
		5200	-2.49	<=11	Pass
		5240	-2.67	<=11	Pass
802.11n (HT20)	SISO	5180	-4.88	<=11	Pass
		5200	-5.03	<=11	Pass
		5240	-5.11	<=11	Pass
802.11n (HT40)	SISO	5190	-5.79	<=11	Pass
		5230	-5.41	<=11	Pass

Note1: Antenna Gain: Ant1: 3.86dBi;

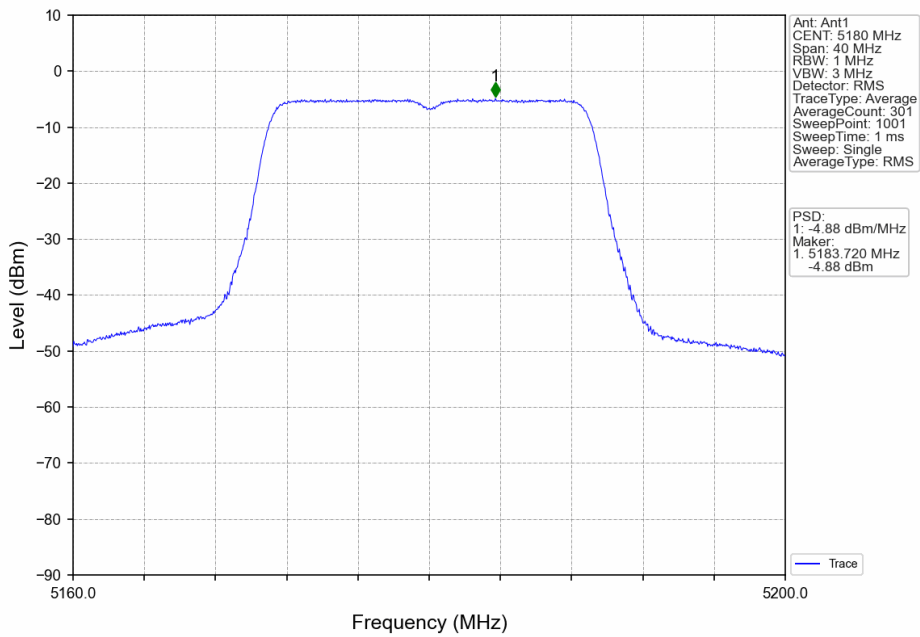
3.1.2 Test Graph



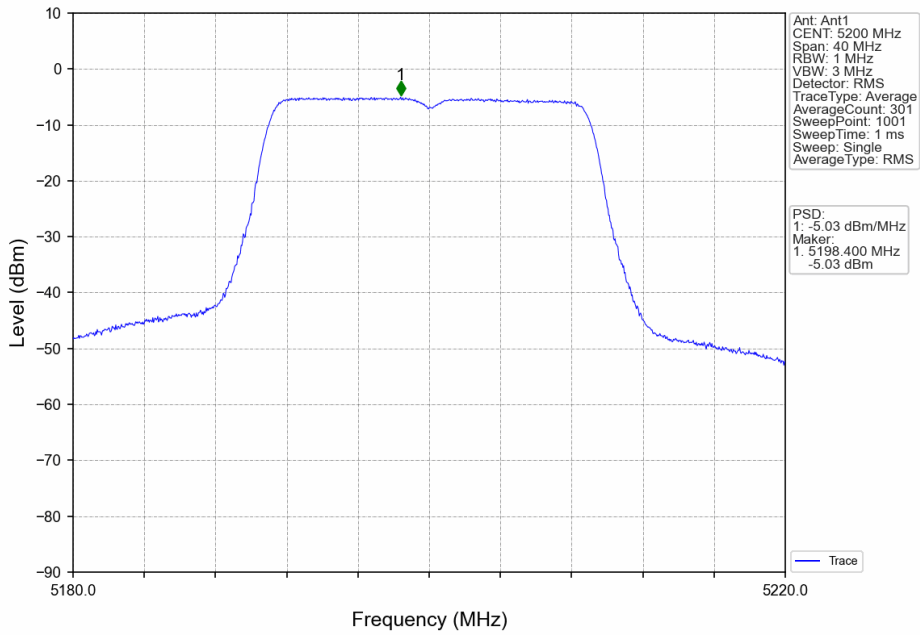
802.11a_HCH_5240MHz_Ant1_NTNV



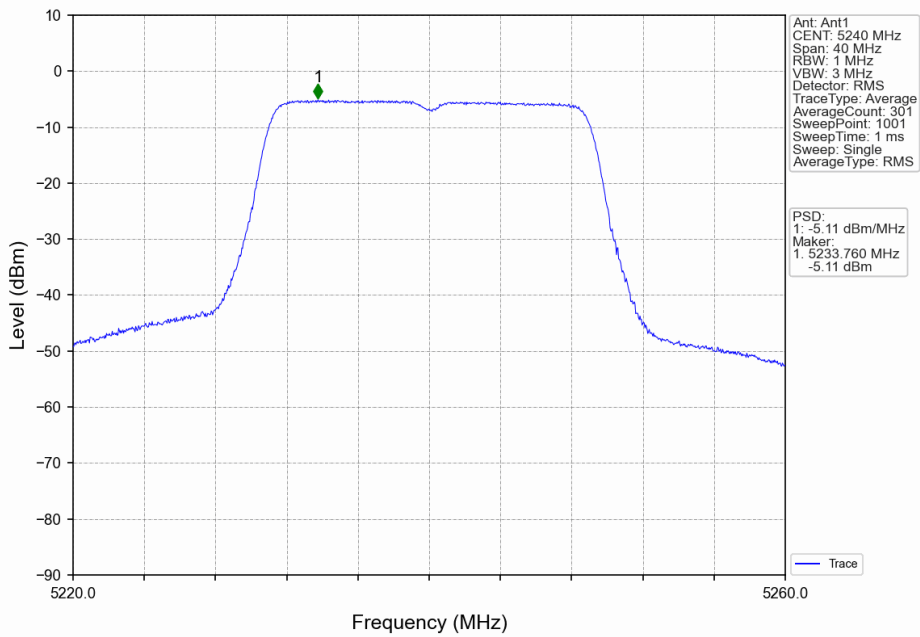
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



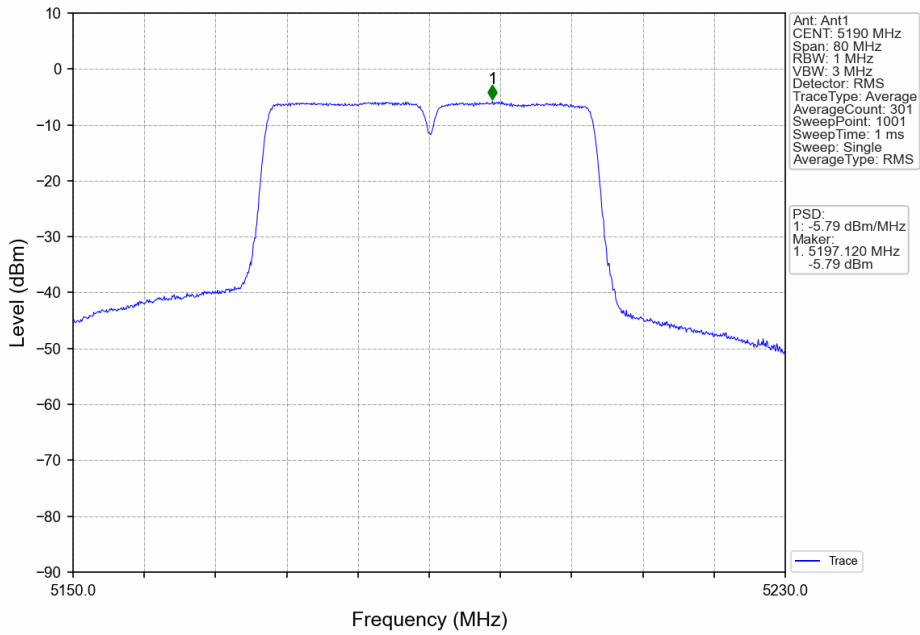
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



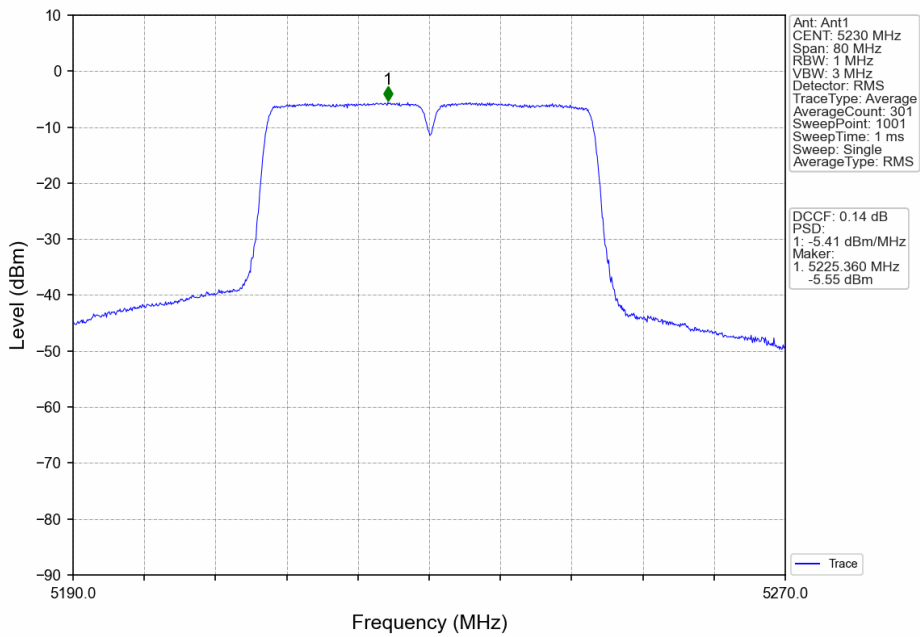
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



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
Carrier Wave	SISO	5180	20	102	5180.018	5150 to 5250	Pass
				120	5180.018	5150 to 5250	Pass
				138	5180.018	5150 to 5250	Pass
			-30	120	5180.018	5150 to 5250	Pass
			-20	120	5180.018	5150 to 5250	Pass
			-10	120	5180.018	5150 to 5250	Pass
			0	120	5180.018	5150 to 5250	Pass
			10	120	5180.018	5150 to 5250	Pass
			30	120	5180.018	5150 to 5250	Pass
			40	120	5180.018	5150 to 5250	Pass
		50	120	5180.018	5150 to 5250	Pass	
		5200	20	102	5200.019	5150 to 5250	Pass
				120	5200.019	5150 to 5250	Pass
				138	5200.019	5150 to 5250	Pass
			-30	120	5200.019	5150 to 5250	Pass
			-20	120	5200.018	5150 to 5250	Pass
			-10	120	5200.018	5150 to 5250	Pass
			0	120	5200.018	5150 to 5250	Pass
			10	120	5200.018	5150 to 5250	Pass
			30	120	5200.018	5150 to 5250	Pass
			40	120	5200.018	5150 to 5250	Pass
		50	120	5200.018	5150 to 5250	Pass	
		5240	20	102	5240.019	5150 to 5250	Pass
				120	5240.019	5150 to 5250	Pass
				138	5240.018	5150 to 5250	Pass
			-30	120	5240.018	5150 to 5250	Pass
			-20	120	5240.018	5150 to 5250	Pass
			-10	120	5240.018	5150 to 5250	Pass
			0	120	5240.018	5150 to 5250	Pass
			10	120	5240.018	5150 to 5250	Pass
			30	120	5240.018	5150 to 5250	Pass
			40	120	5240.018	5150 to 5250	Pass
		50	120	5240.018	5150 to 5250	Pass	
		5190	20	102	5190.019	5150 to 5250	Pass
				120	5190.018	5150 to 5250	Pass
				138	5190.018	5150 to 5250	Pass
			-30	120	5190.018	5150 to 5250	Pass
			-20	120	5190.018	5150 to 5250	Pass
			-10	120	5190.018	5150 to 5250	Pass
			0	120	5190.018	5150 to 5250	Pass
			10	120	5190.018	5150 to 5250	Pass
			30	120	5190.018	5150 to 5250	Pass
			40	120	5190.018	5150 to 5250	Pass
		50	120	5190.018	5150 to 5250	Pass	
		5230	20	102	5230.019	5150 to 5250	Pass
				120	5230.018	5150 to 5250	Pass
				138	5230.018	5150 to 5250	Pass
			-30	120	5230.018	5150 to 5250	Pass
			-20	120	5230.018	5150 to 5250	Pass

			-10	120	5230.018	5150 to 5250	Pass
			0	120	5230.018	5150 to 5250	Pass
			10	120	5230.018	5150 to 5250	Pass
			30	120	5230.018	5150 to 5250	Pass
			40	120	5230.018	5150 to 5250	Pass
			50	120	5230.018	5150 to 5250	Pass