

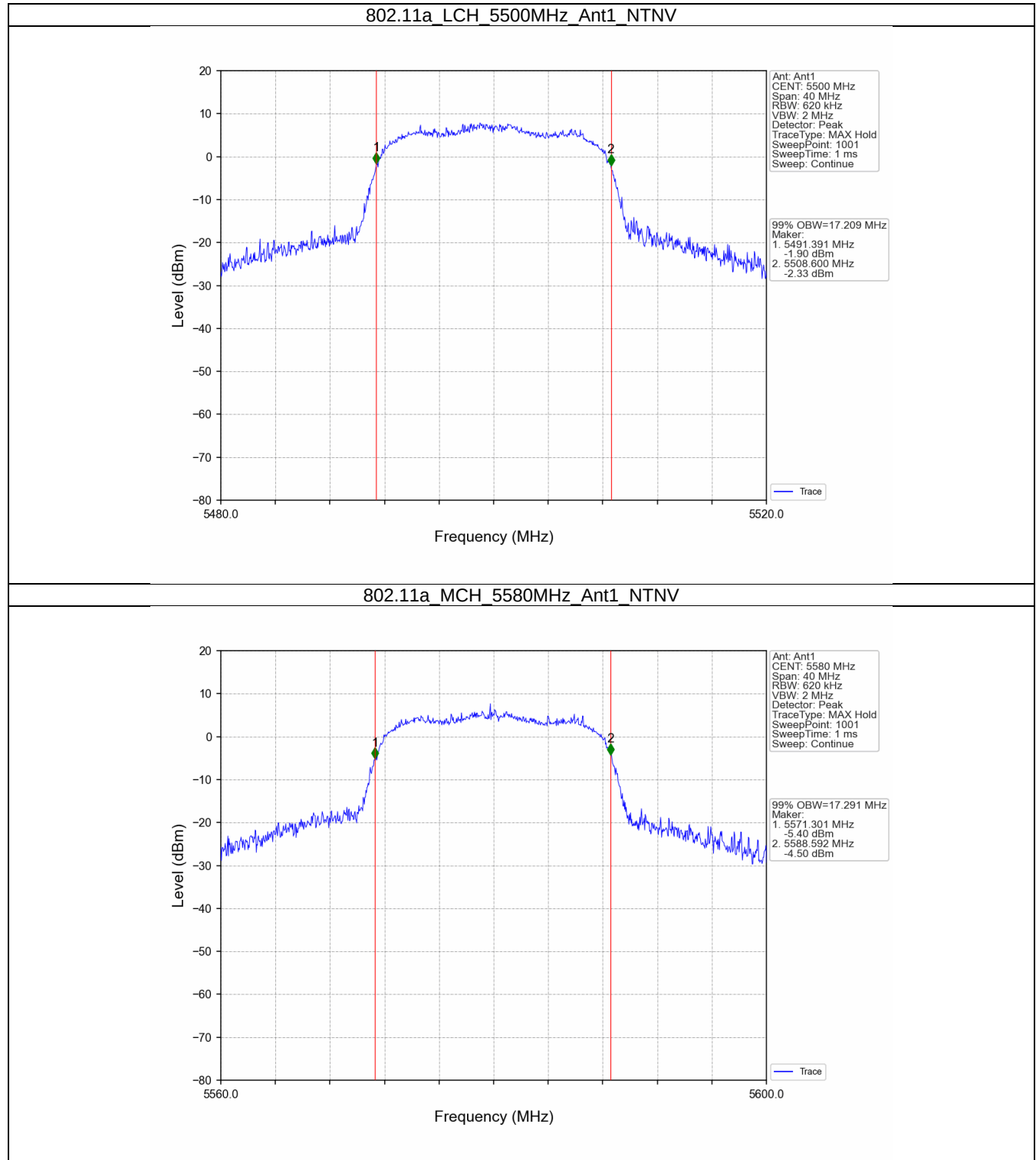
1. Bandwidth

1.1 OBW

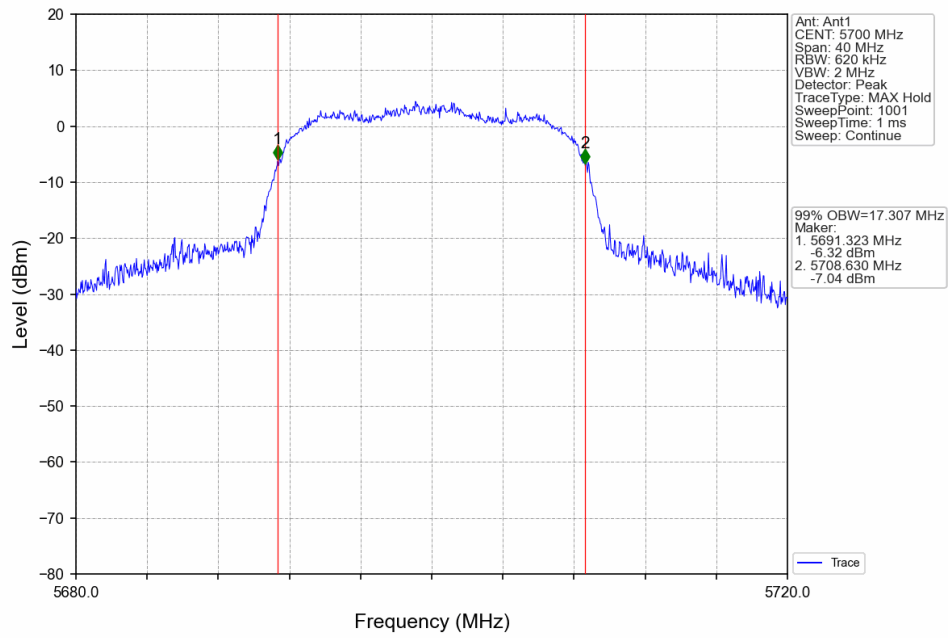
1.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5500	1	17.209	/	Pass
		5580	1	17.291	/	Pass
		5700	1	17.307	/	Pass
802.11n (HT20)	SISO	5500	1	18.001	/	Pass
		5580	1	18.015	/	Pass
		5700	1	17.938	/	Pass
802.11n (HT40)	SISO	5510	1	36.932	/	Pass
		5550	1	36.764	/	Pass
		5670	1	36.796	/	Pass

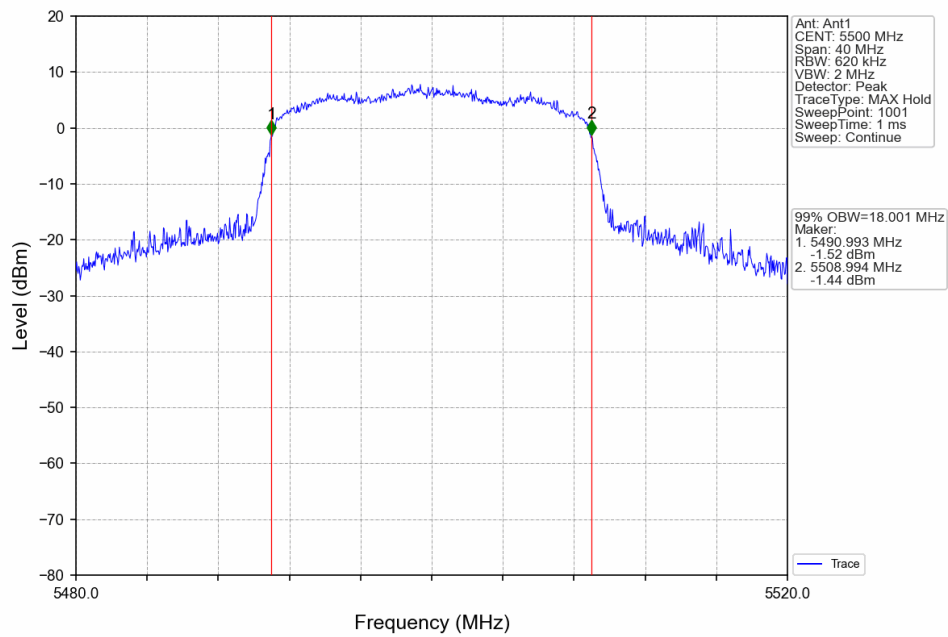
1.1.2 Test Graph



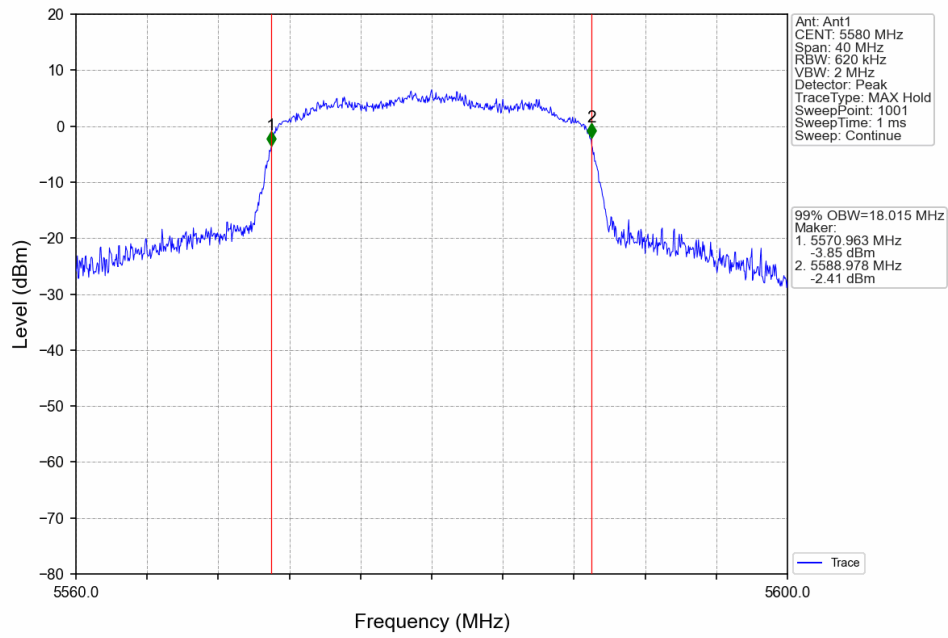
802.11a_HCH_5700MHz_Ant1_NTNV



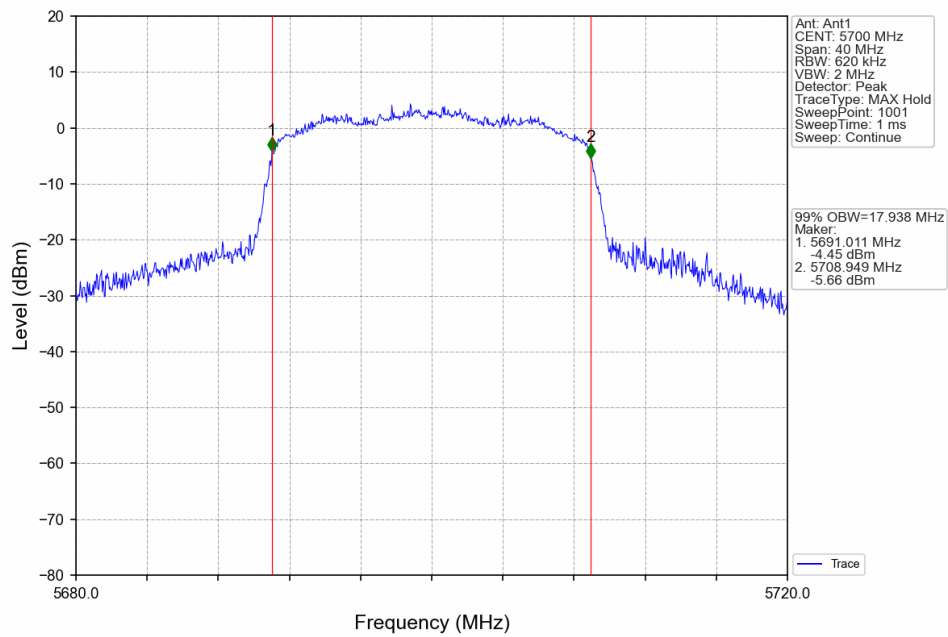
802.11n(HT20)_LCH_5500MHz_Ant1_NTNV



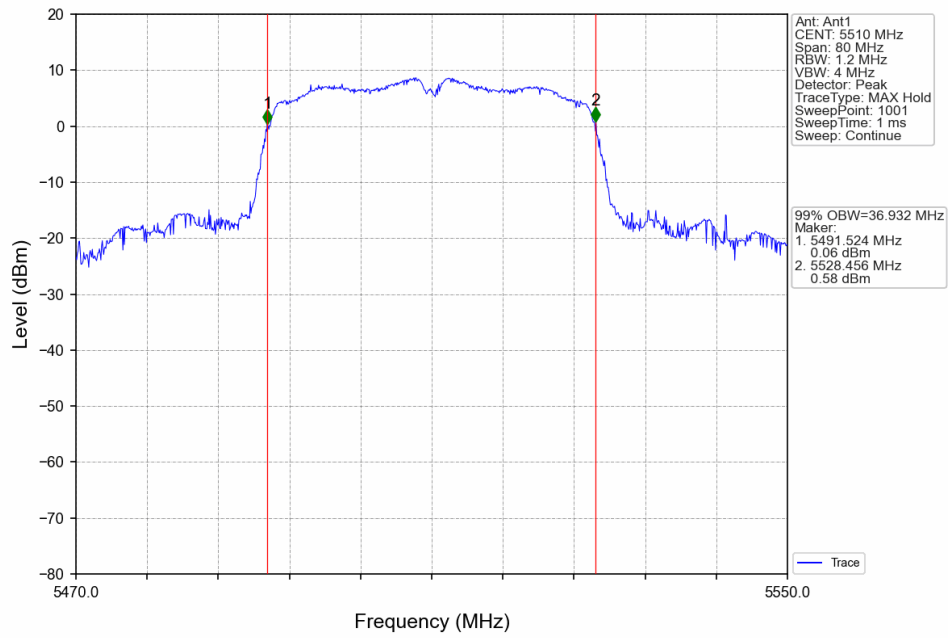
802.11n(HT20)_MCH_5580MHz_Ant1_NTNV



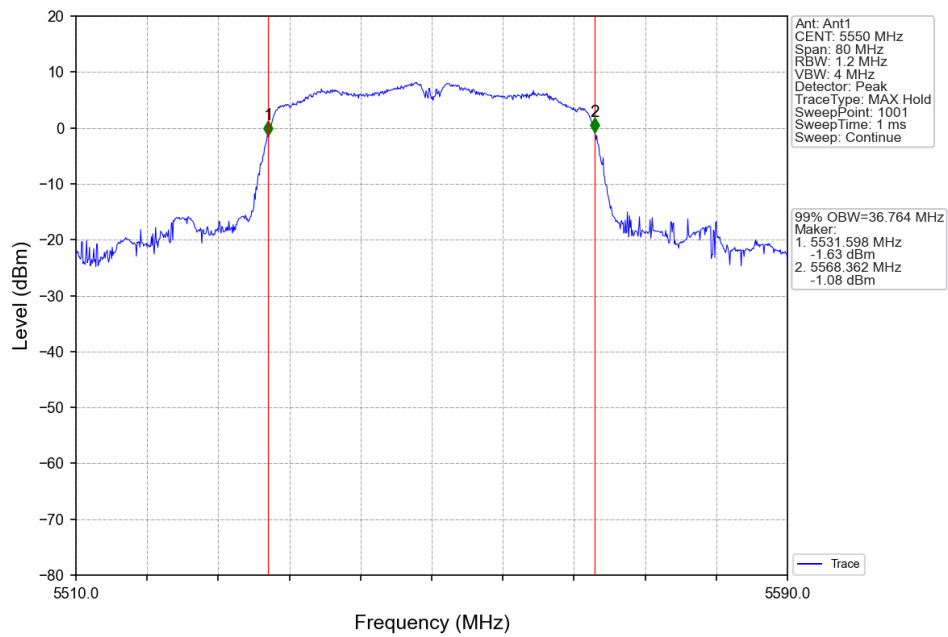
802.11n(HT20)_HCH_5700MHz_Ant1_NTNV

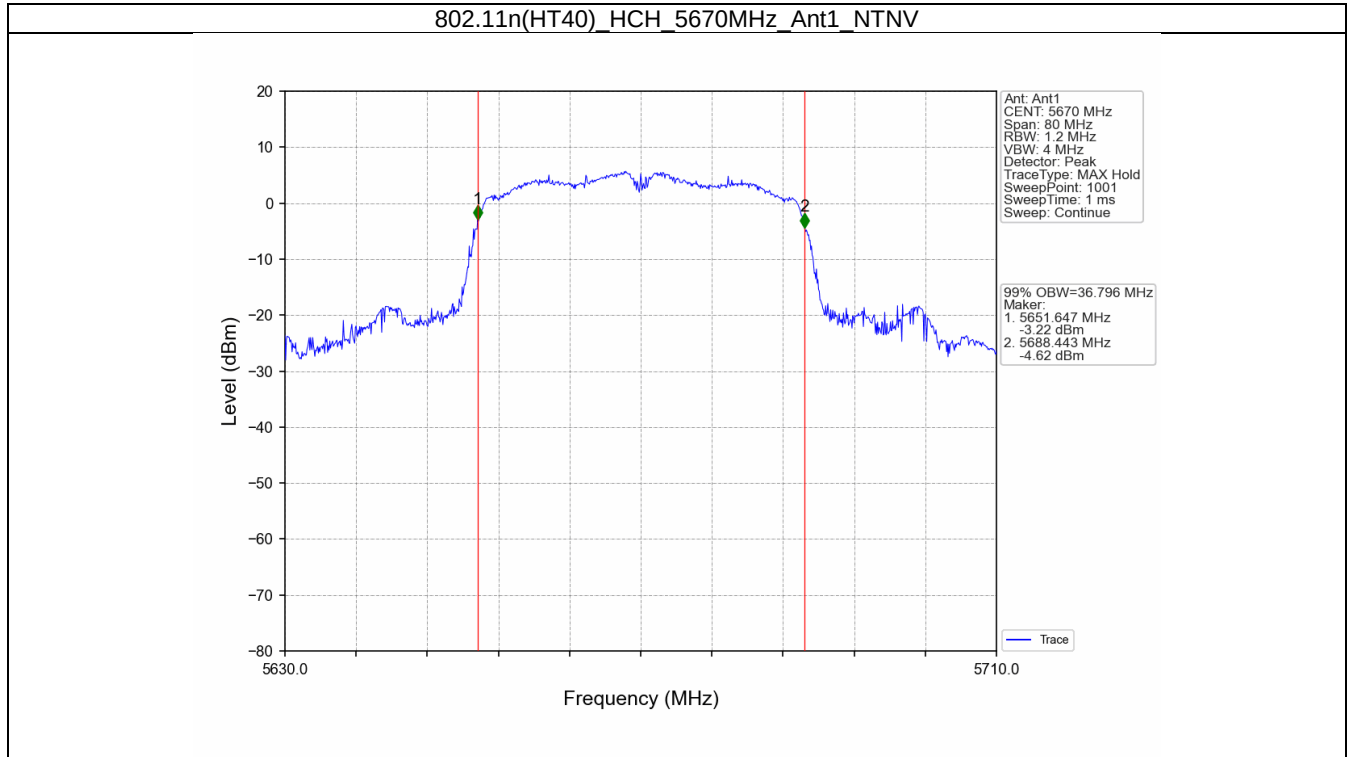


802.11n(HT40)_LCH_5510MHz_Ant1_NTNV



802.11n(HT40)_MCH_5550MHz_Ant1_NTNV





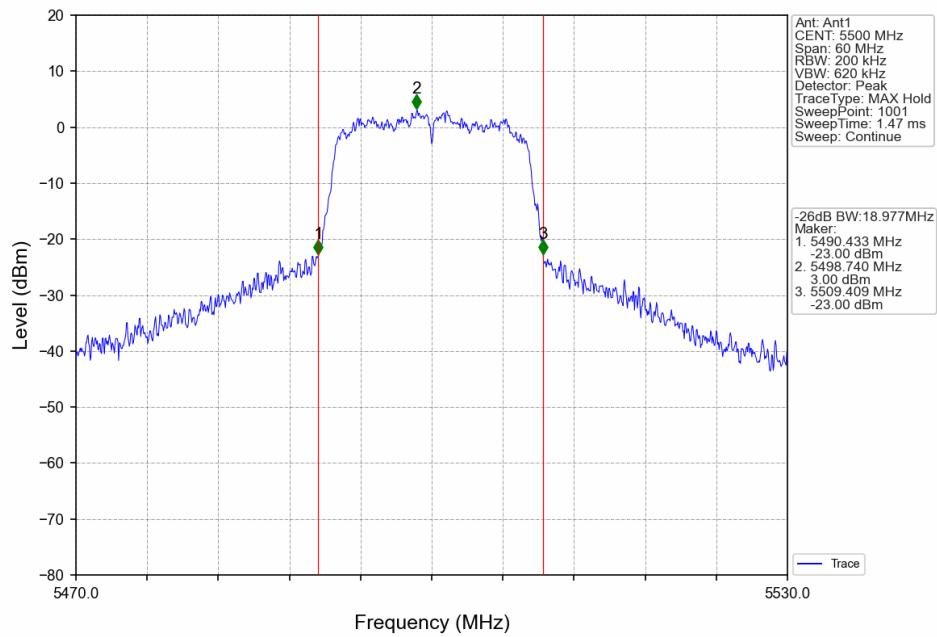
1.2 26dB BW

1.2.1 Test Result

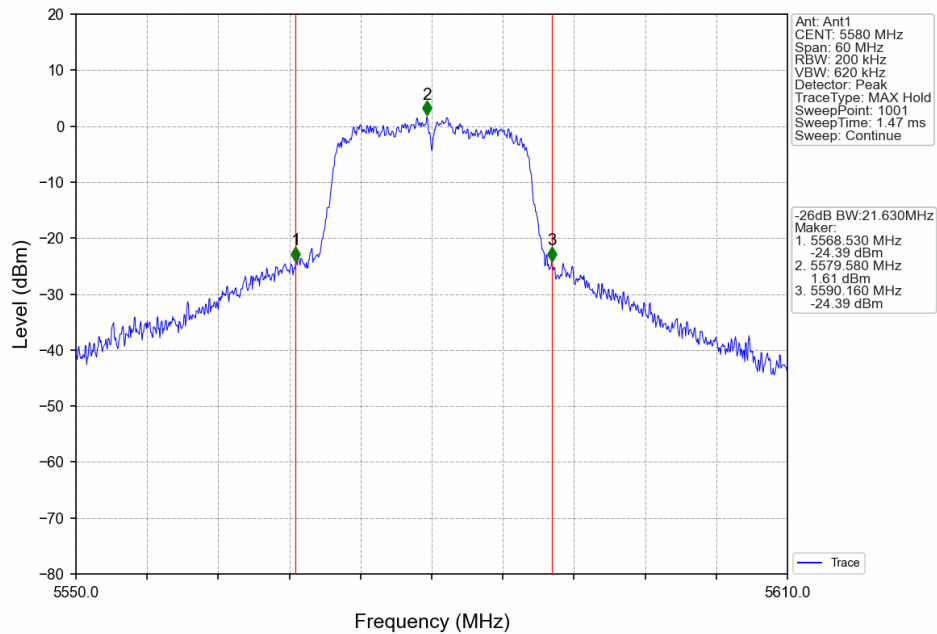
Mode	TX Type	Frequency (MHz)	ANT	26dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5500	1	18.977	/	Pass
		5580	1	21.630	/	Pass
		5700	1	19.815	/	Pass
802.11n (HT20)	SISO	5500	1	24.198	/	Pass
		5580	1	23.002	/	Pass
		5700	1	19.438	/	Pass
802.11n (HT40)	SISO	5510	1	42.229	/	Pass
		5550	1	49.257	/	Pass
		5670	1	56.192	/	Pass

1.2.2 Test Graph

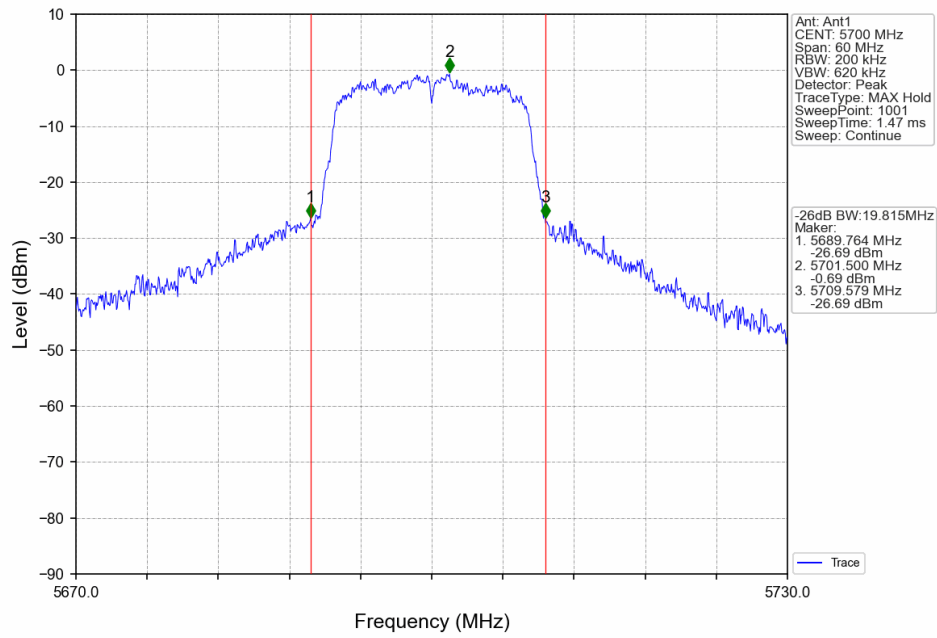
802.11a_LCH_5500MHz_Ant1_NTNV



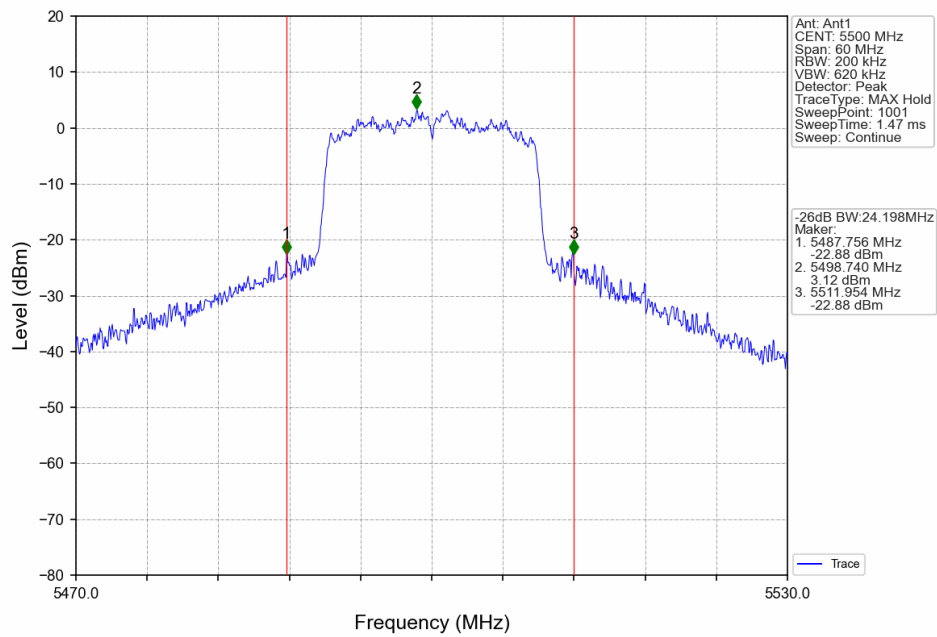
802.11a_MCH_5580MHz_Ant1_NTNV



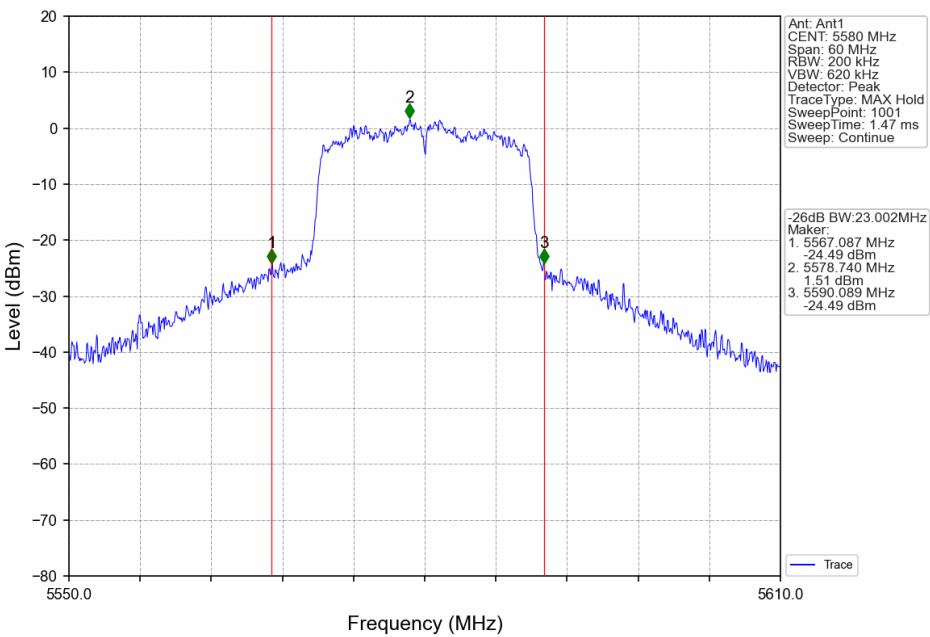
802.11a_HCH_5700MHz_Ant1_NTNV



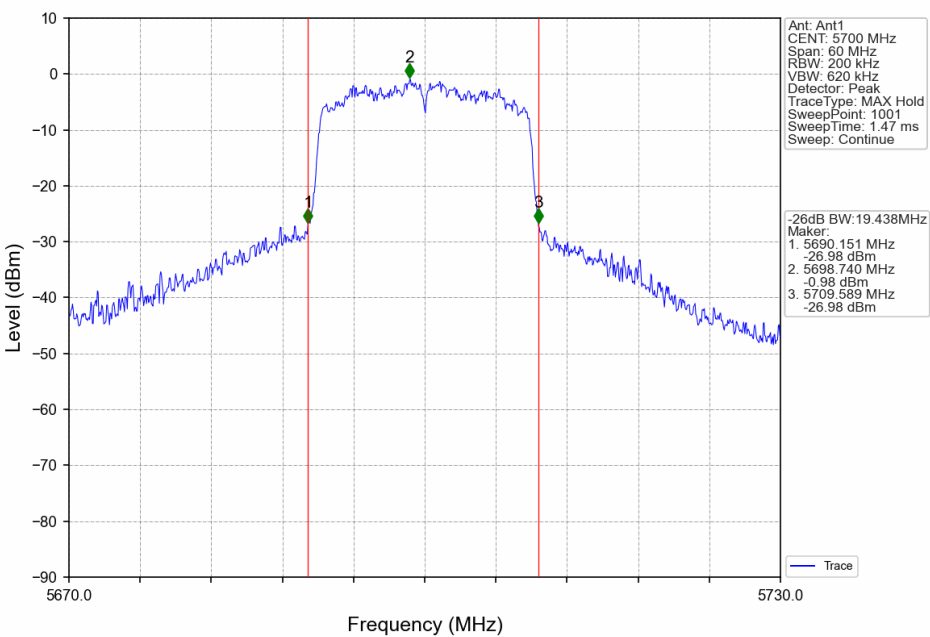
802.11n(HT20)_LCH_5500MHz_Ant1_NTNV



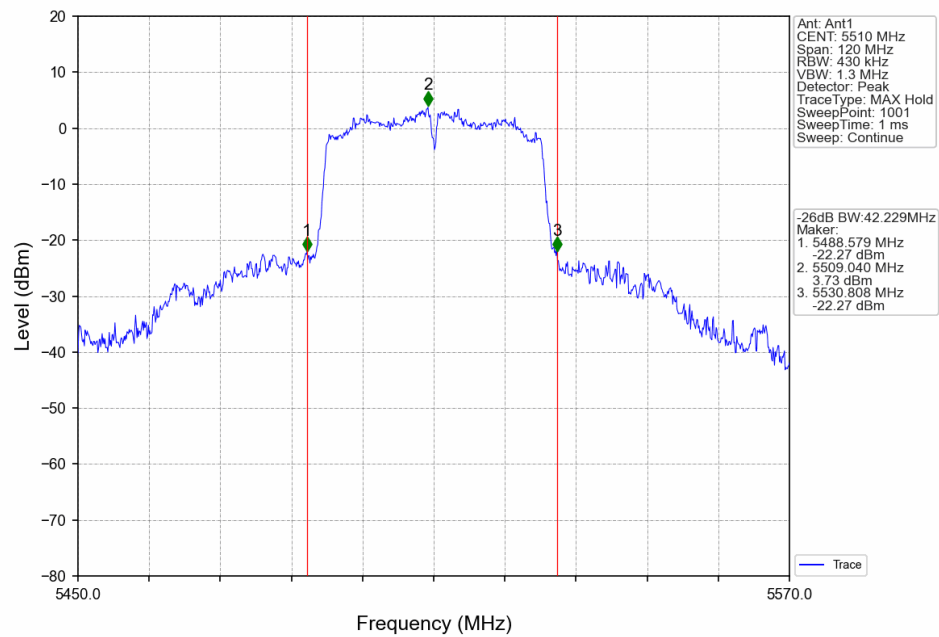
802.11n(HT20)_MCH_5580MHz_Ant1_NTNV



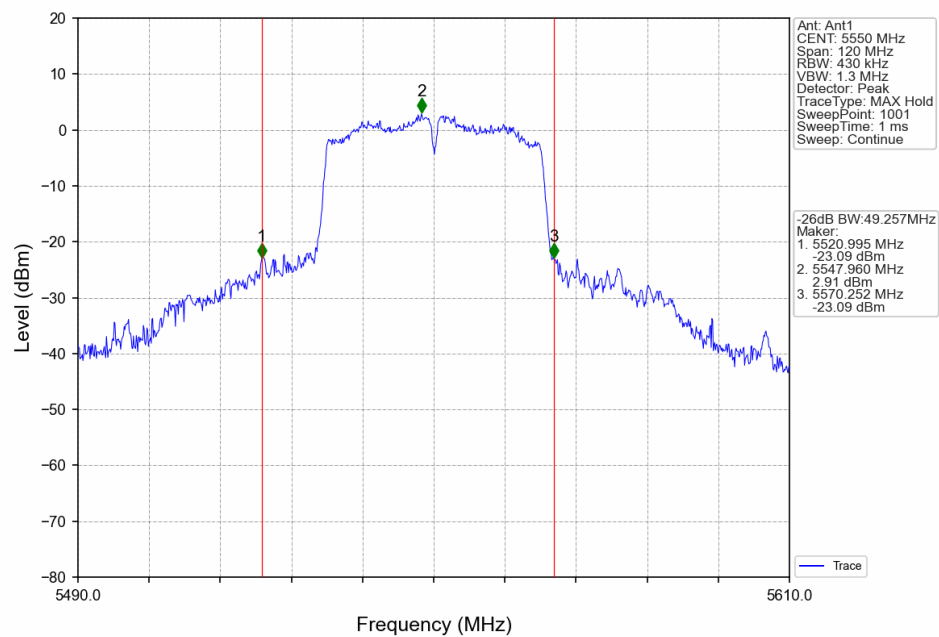
802.11n(HT20)_HCH_5700MHz_Ant1_NTNV

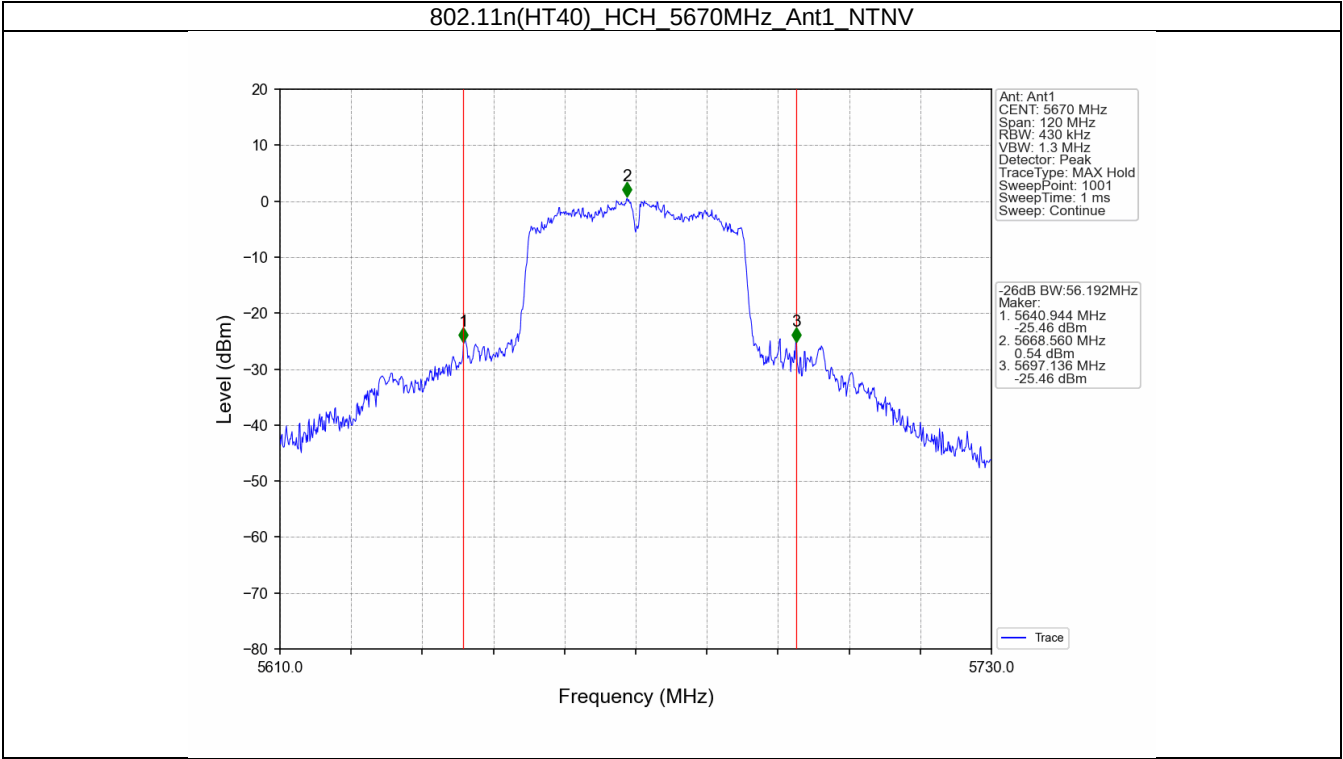


802.11n(HT40)_LCH_5510MHz_Ant1_NTNV



802.11n(HT40)_MCH_5550MHz_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	5500	12.24	<=23.78	Pass
		5580	10.64	<=23.98	Pass
		5700	8.28	<=23.97	Pass
802.11n (HT20)	SISO	5500	12.09	<=23.98	Pass
		5580	10.56	<=23.98	Pass
		5700	8.09	<=23.89	Pass
802.11n (HT40)	SISO	5510	12.43	<=23.98	Pass
		5550	11.84	<=23.98	Pass
		5670	9.32	<=23.98	Pass
Note1: Antenna Gain: Ant1: 3.46dBi;					

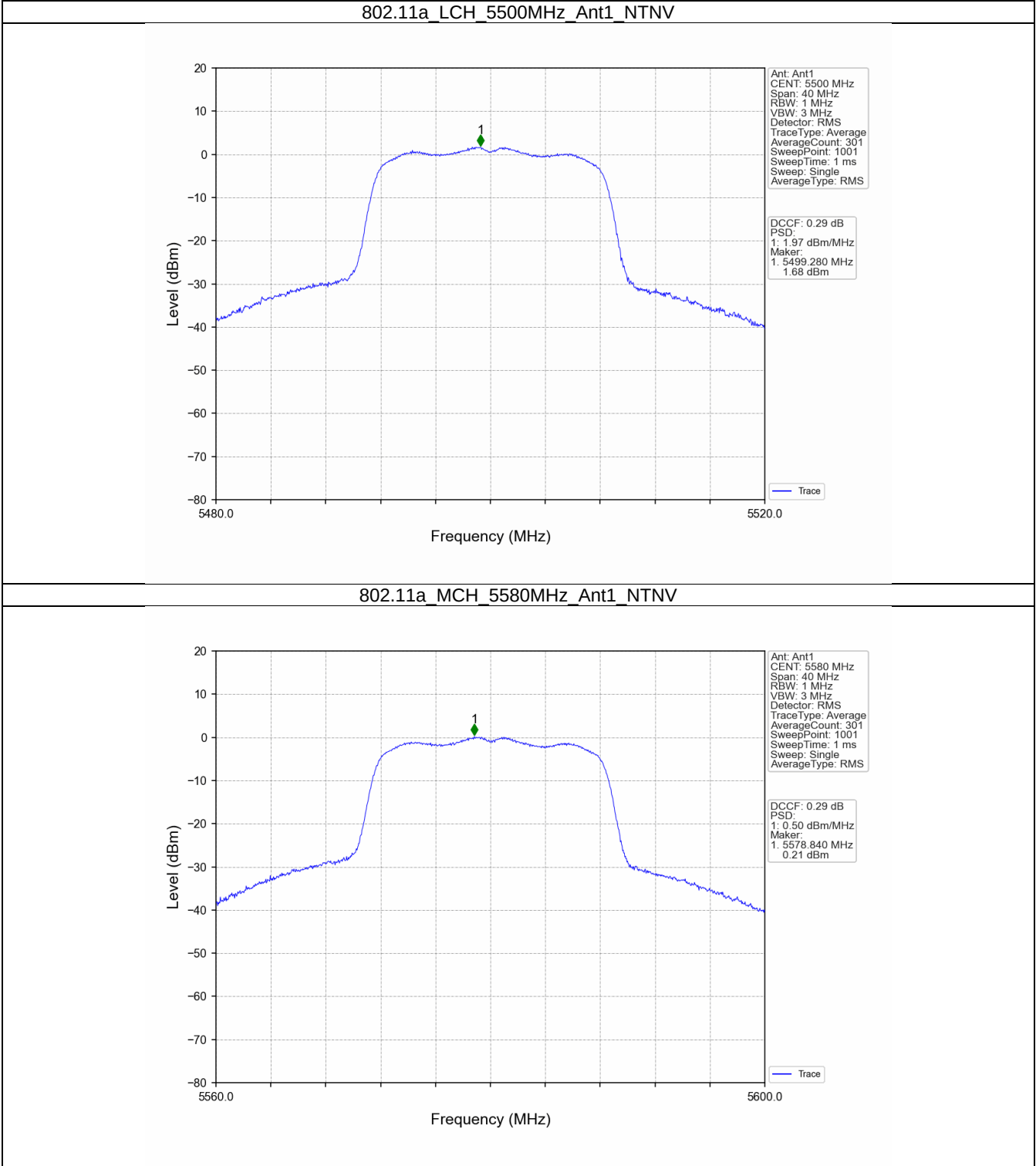
3. Maximum Power Spectral Density

3.1 PSD

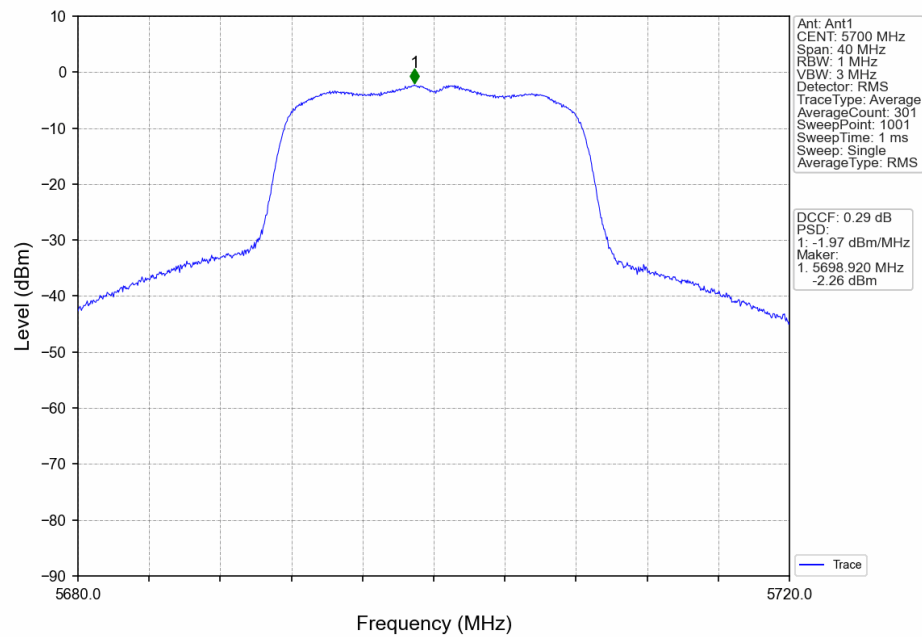
3.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/MHz)		Verdict
			ANT1	Limit	
802.11a	SISO	5500	1.97	<=11	Pass
		5580	0.50	<=11	Pass
		5700	-1.97	<=11	Pass
802.11n (HT20)	SISO	5500	1.84	<=11	Pass
		5580	0.20	<=11	Pass
		5700	-2.31	<=11	Pass
802.11n (HT40)	SISO	5510	-0.72	<=11	Pass
		5550	-1.24	<=11	Pass
		5670	-3.64	<=11	Pass
Note1: Antenna Gain: Ant1: 3.46dBi;					

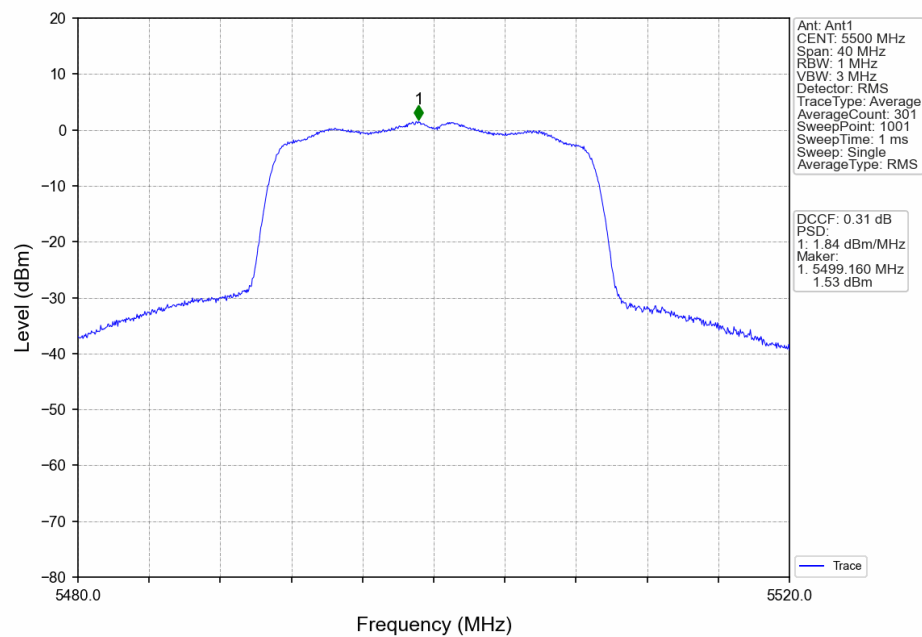
3.1.2 Test Graph



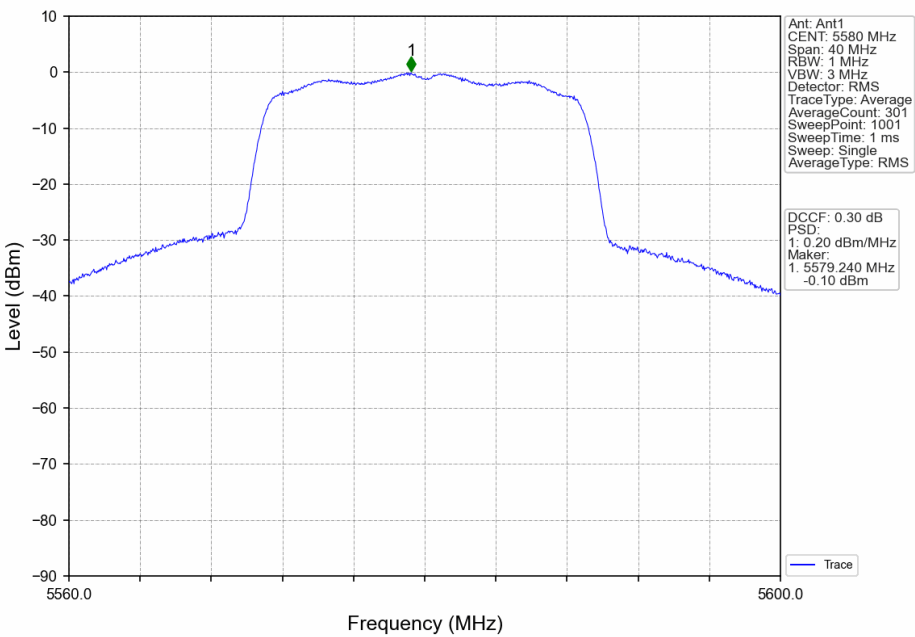
802.11a_HCH_5700MHz_Ant1_NTNV



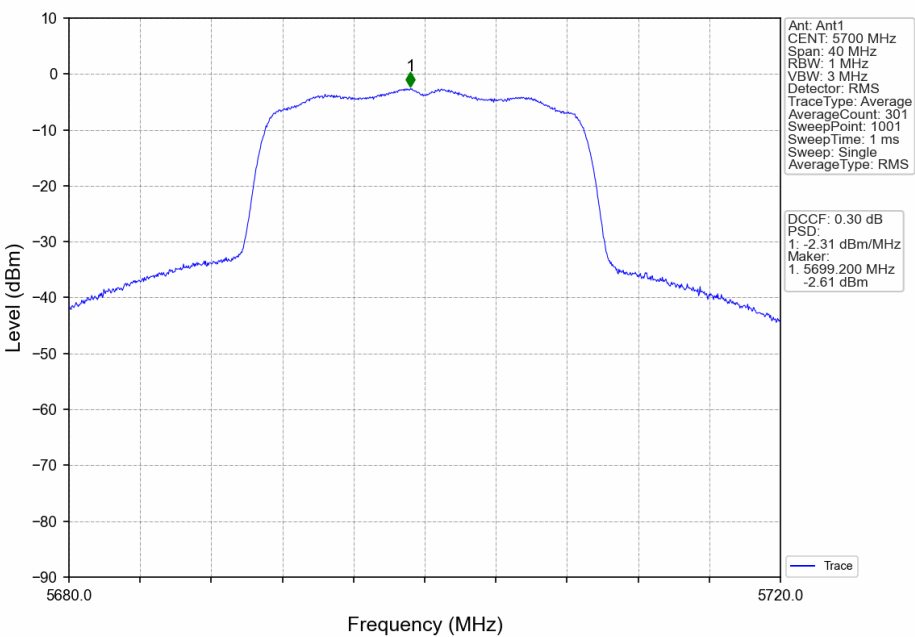
802.11n(HT20)_LCH_5500MHz_Ant1_NTNV



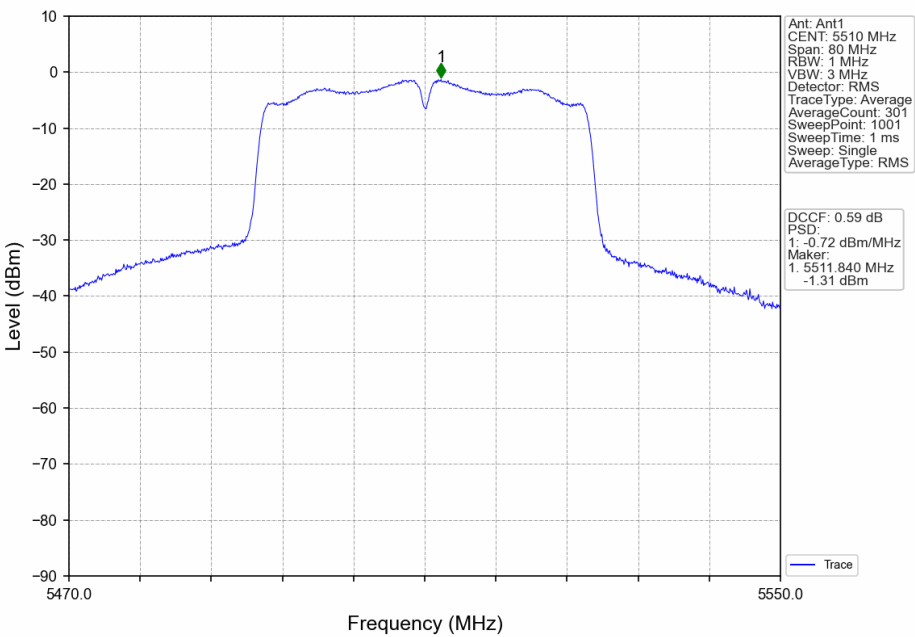
802.11n(HT20)_MCH_5580MHz_Ant1_NTNV



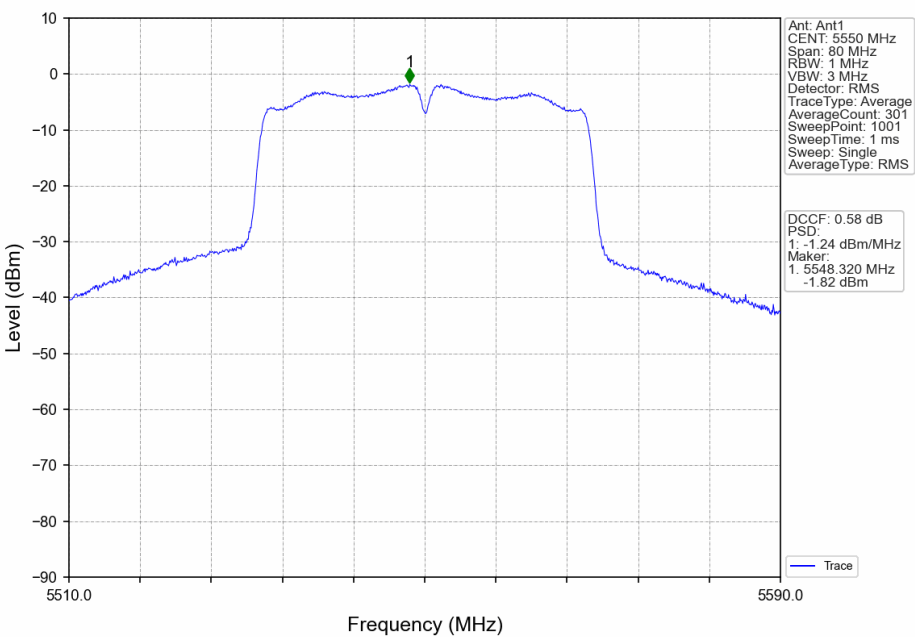
802.11n(HT20)_HCH_5700MHz_Ant1_NTNV

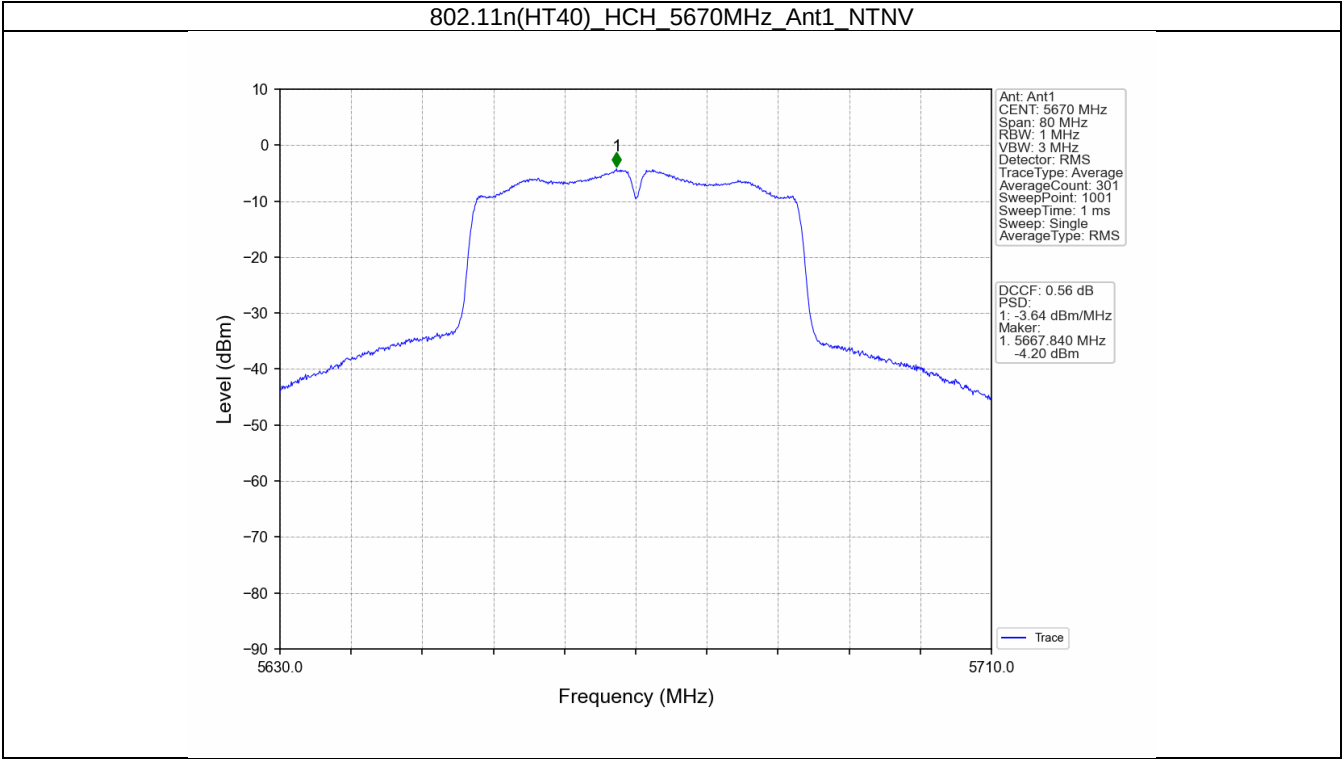


802.11n(HT40)_LCH_5510MHz_Ant1_NTNV



802.11n(HT40)_MCH_5550MHz_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	5500	20	102	5499.978	5470 to 5725	Pass
				120	5499.978	5470 to 5725	Pass
				138	5499.978	5470 to 5725	Pass
			-30	120	5499.978	5470 to 5725	Pass
			-20	120	5499.978	5470 to 5725	Pass
			-10	120	5499.978	5470 to 5725	Pass
			0	120	5499.978	5470 to 5725	Pass
			10	120	5499.978	5470 to 5725	Pass
			30	120	5499.978	5470 to 5725	Pass
			40	120	5499.978	5470 to 5725	Pass
			50	120	5499.978	5470 to 5725	Pass
		5580	20	102	5579.978	5470 to 5725	Pass
				120	5579.978	5470 to 5725	Pass
				138	5579.978	5470 to 5725	Pass
			-30	120	5579.978	5470 to 5725	Pass
			-20	120	5579.978	5470 to 5725	Pass
			-10	120	5579.978	5470 to 5725	Pass
			0	120	5579.978	5470 to 5725	Pass
			10	120	5579.978	5470 to 5725	Pass
			30	120	5579.978	5470 to 5725	Pass
			40	120	5579.978	5470 to 5725	Pass
			50	120	5579.978	5470 to 5725	Pass
		5700	20	102	5699.978	5470 to 5725	Pass
				120	5699.977	5470 to 5725	Pass
				138	5699.977	5470 to 5725	Pass
			-30	120	5699.977	5470 to 5725	Pass
			-20	120	5699.977	5470 to 5725	Pass
			-10	120	5699.977	5470 to 5725	Pass
			0	120	5699.977	5470 to 5725	Pass
			10	120	5699.977	5470 to 5725	Pass
			30	120	5699.977	5470 to 5725	Pass
			40	120	5699.977	5470 to 5725	Pass
			50	120	5699.977	5470 to 5725	Pass
		5510	20	102	5509.978	5470 to 5725	Pass
				120	5509.978	5470 to 5725	Pass
				138	5509.978	5470 to 5725	Pass
			-30	120	5509.978	5470 to 5725	Pass
			-20	120	5509.978	5470 to 5725	Pass
			-10	120	5509.978	5470 to 5725	Pass
			0	120	5509.978	5470 to 5725	Pass
			10	120	5509.978	5470 to 5725	Pass
			30	120	5509.978	5470 to 5725	Pass
			40	120	5509.978	5470 to 5725	Pass
			50	120	5509.978	5470 to 5725	Pass
		5550	20	102	5549.978	5470 to 5725	Pass
				120	5549.978	5470 to 5725	Pass

				138	5549.978	5470 to 5725	Pass
			-30	120	5549.978	5470 to 5725	Pass
			-20	120	5549.978	5470 to 5725	Pass
			-10	120	5549.978	5470 to 5725	Pass
			0	120	5549.978	5470 to 5725	Pass
			10	120	5549.978	5470 to 5725	Pass
			30	120	5549.978	5470 to 5725	Pass
			40	120	5549.978	5470 to 5725	Pass
			50	120	5549.978	5470 to 5725	Pass
		5670	20	102	5669.977	5470 to 5725	Pass
				120	5669.978	5470 to 5725	Pass
				138	5669.978	5470 to 5725	Pass
			-30	120	5669.977	5470 to 5725	Pass
			-20	120	5669.977	5470 to 5725	Pass
			-10	120	5669.977	5470 to 5725	Pass
			0	120	5669.977	5470 to 5725	Pass
			10	120	5669.977	5470 to 5725	Pass
			30	120	5669.977	5470 to 5725	Pass
			40	120	5669.977	5470 to 5725	Pass
			50	120	5669.977	5470 to 5725	Pass