

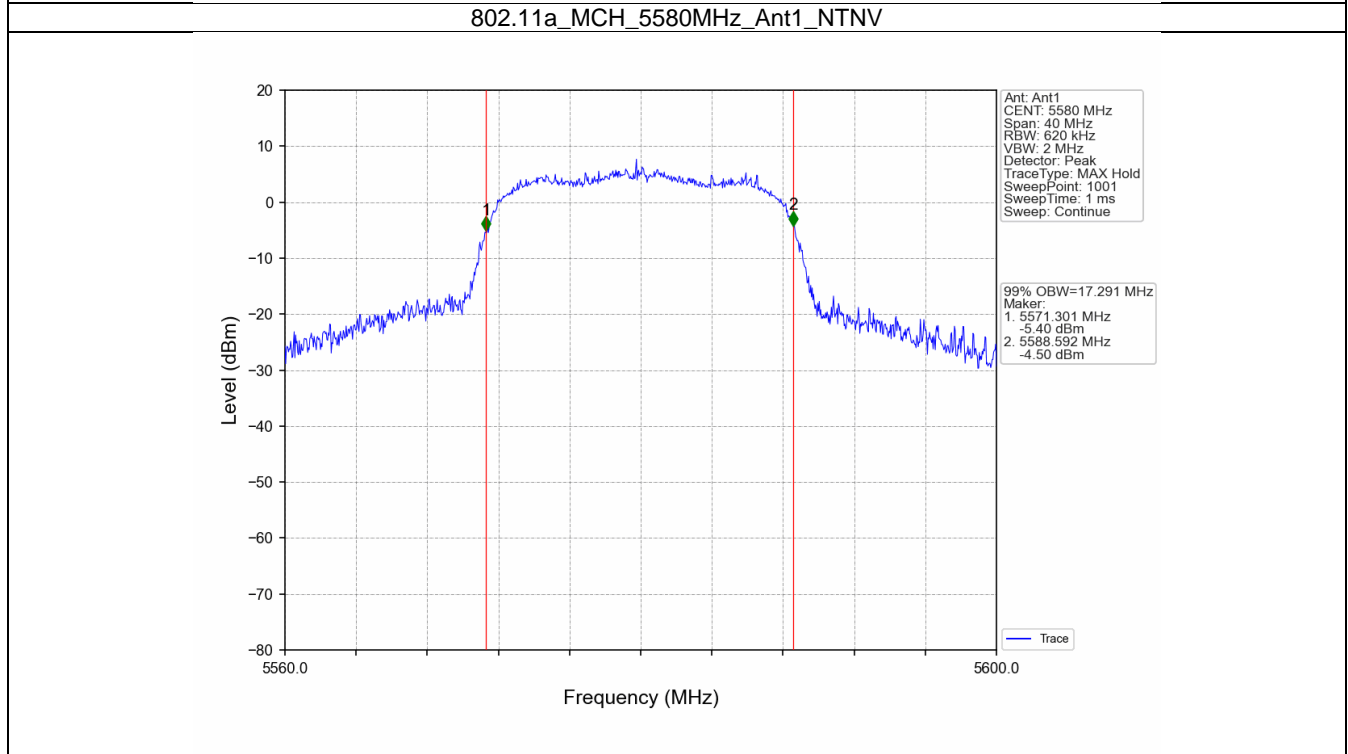
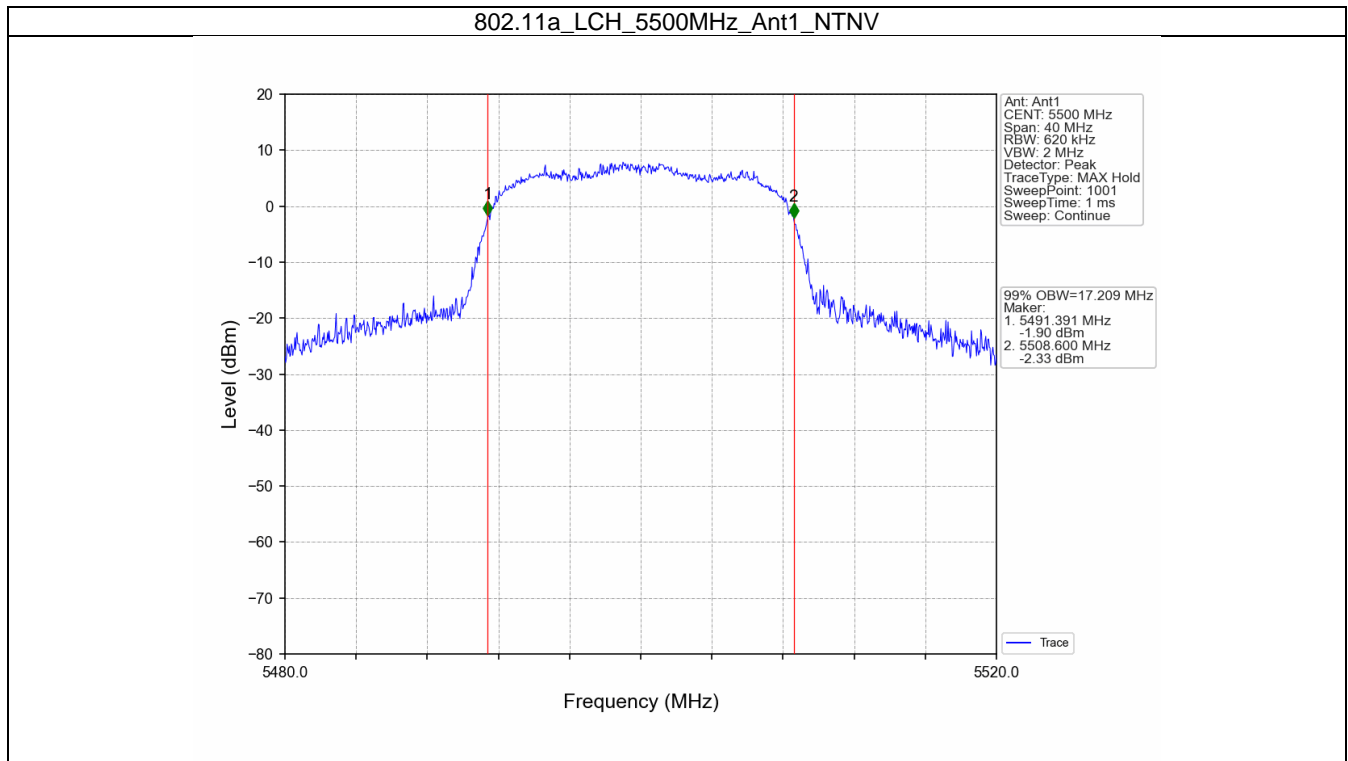
1. Bandwidth

1.1 OBW

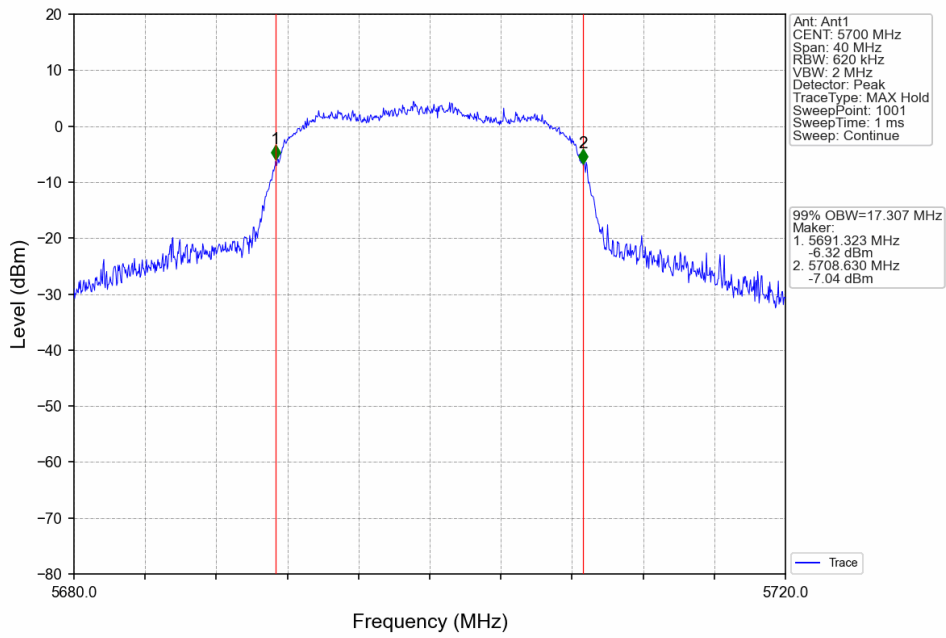
1.1.1 Test Result

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

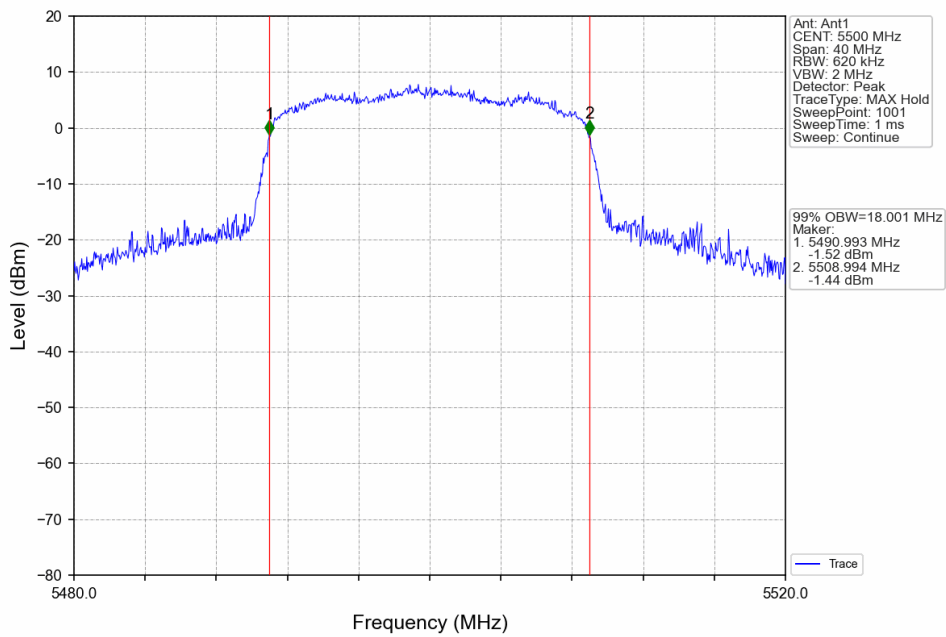
1.1.2 Test Graph



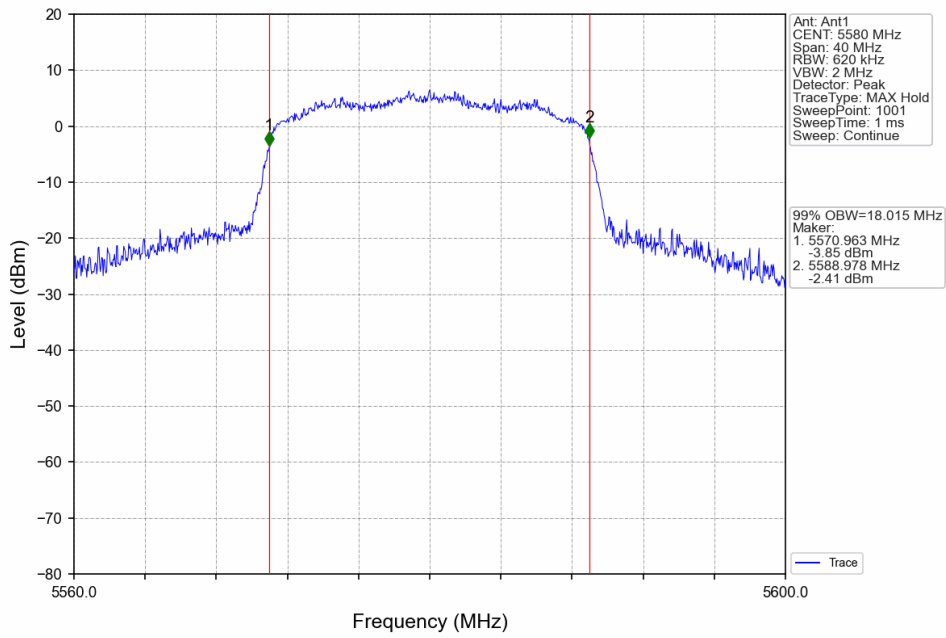
802.11a_HCH_5700MHz_Ant1_NTNV



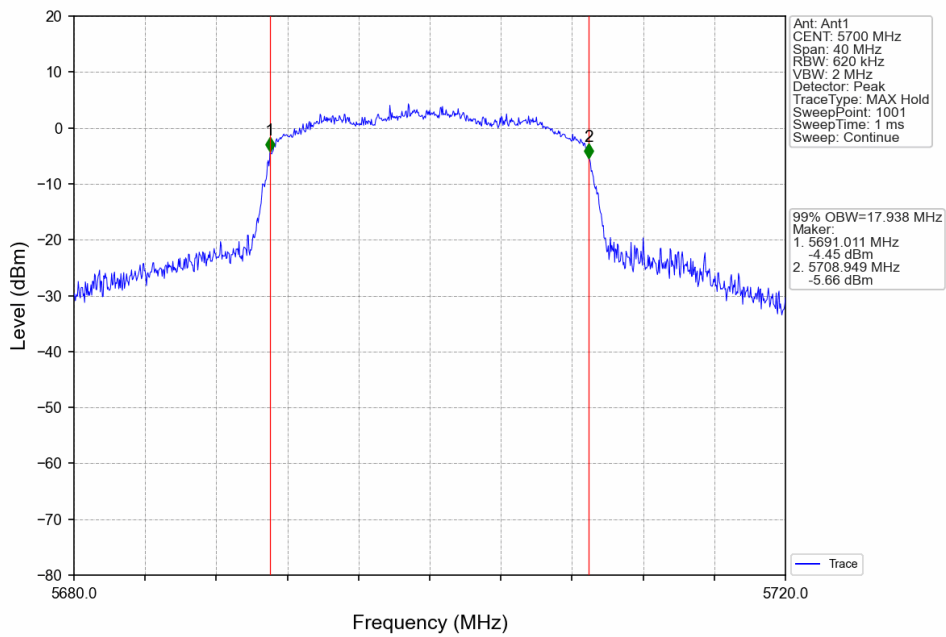
802.11n(HT20)_LCH_5500MHz_Ant1_NTNV



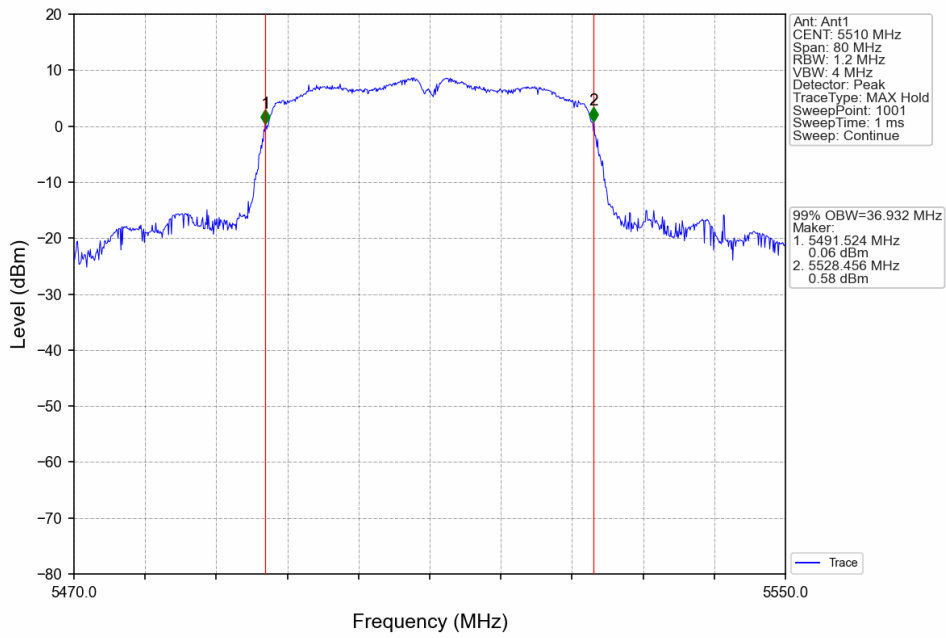
802.11n(HT20)_MCH_5580MHz_Ant1_NTNV



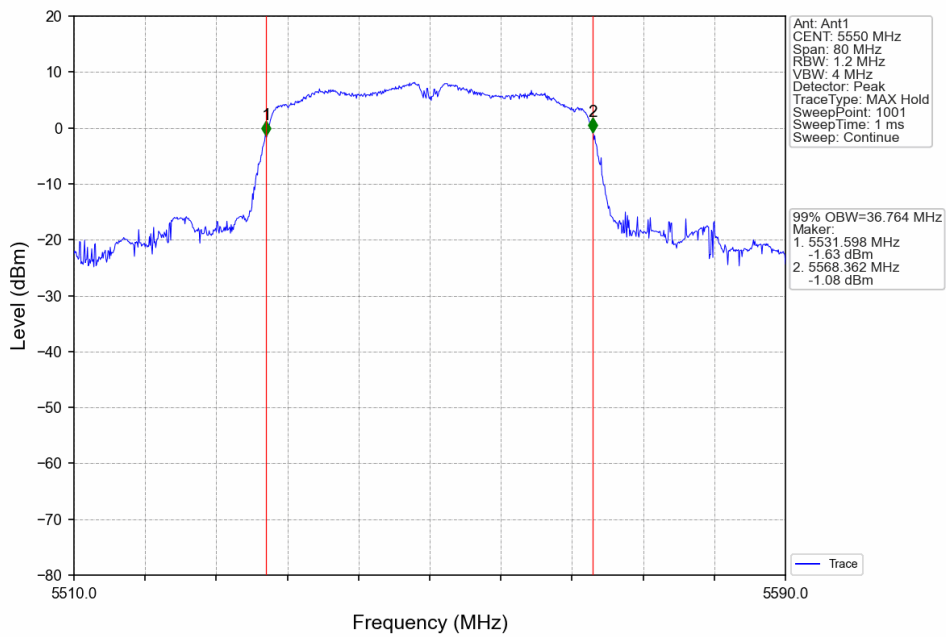
802.11n(HT20)_HCH_5700MHz_Ant1_NTNV

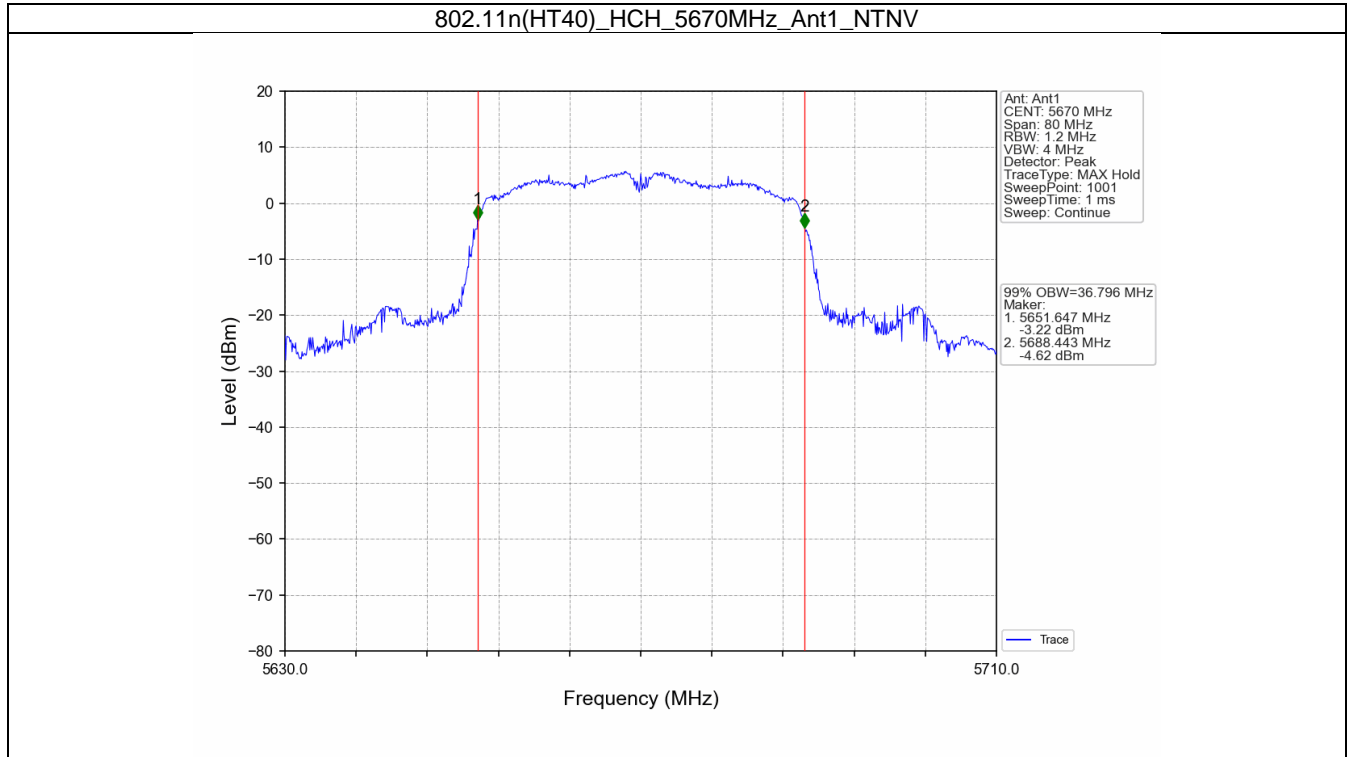


802.11n(HT40)_LCH_5510MHz_Ant1_NTNV



802.11n(HT40)_MCH_5550MHz_Ant1_NTNV



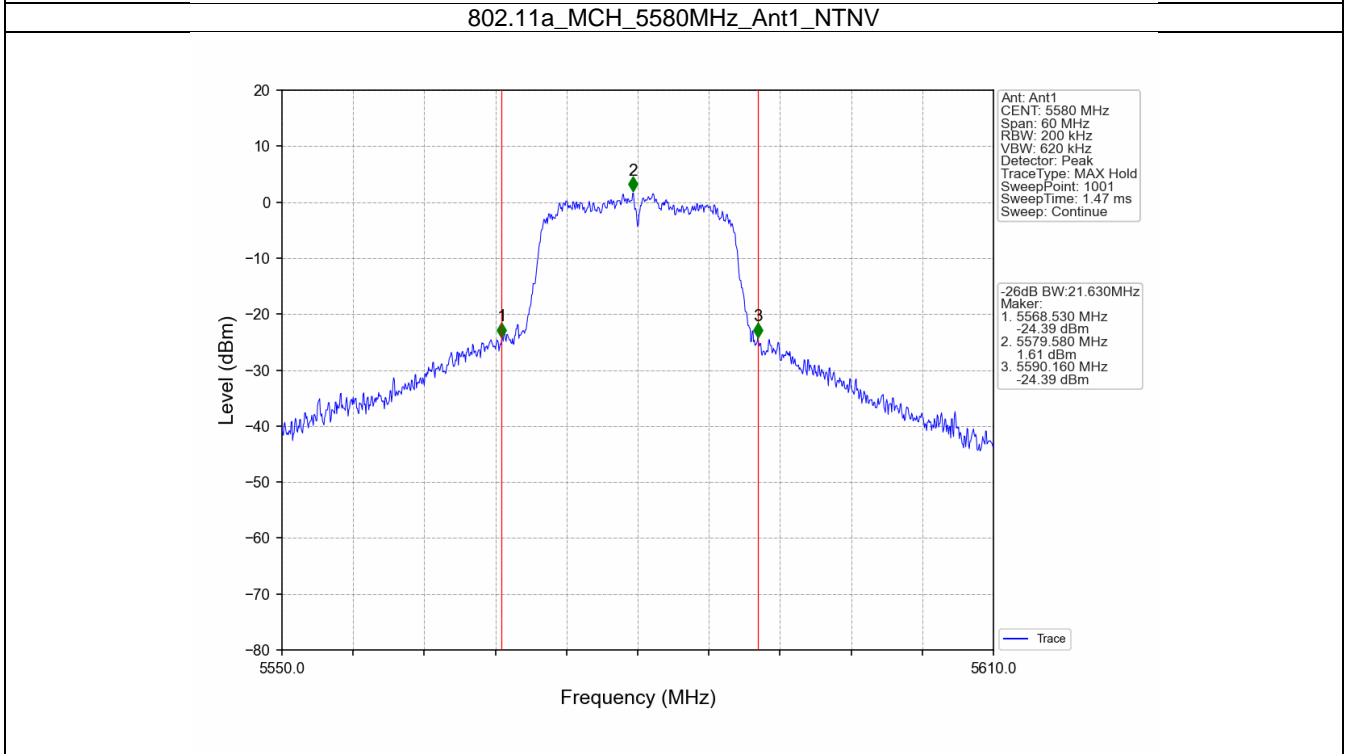
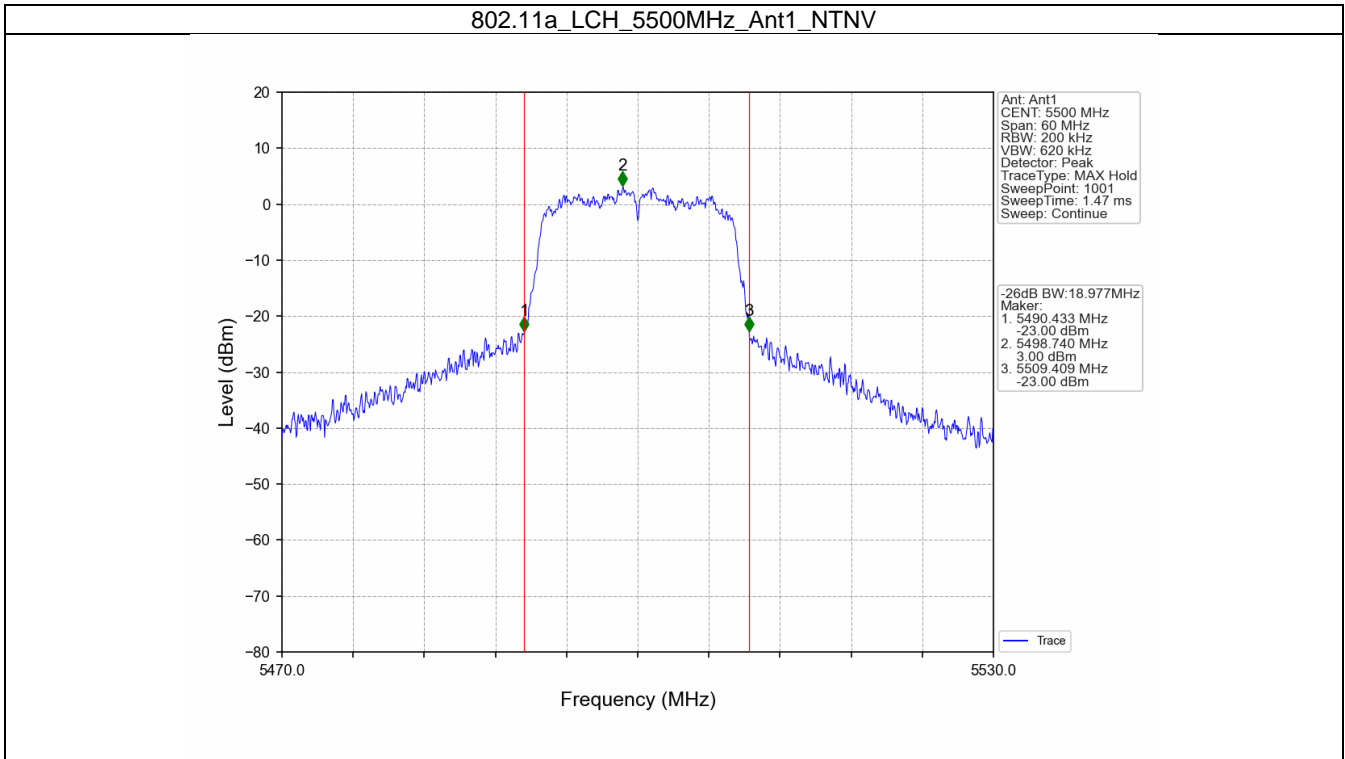


1.2 26dB BW

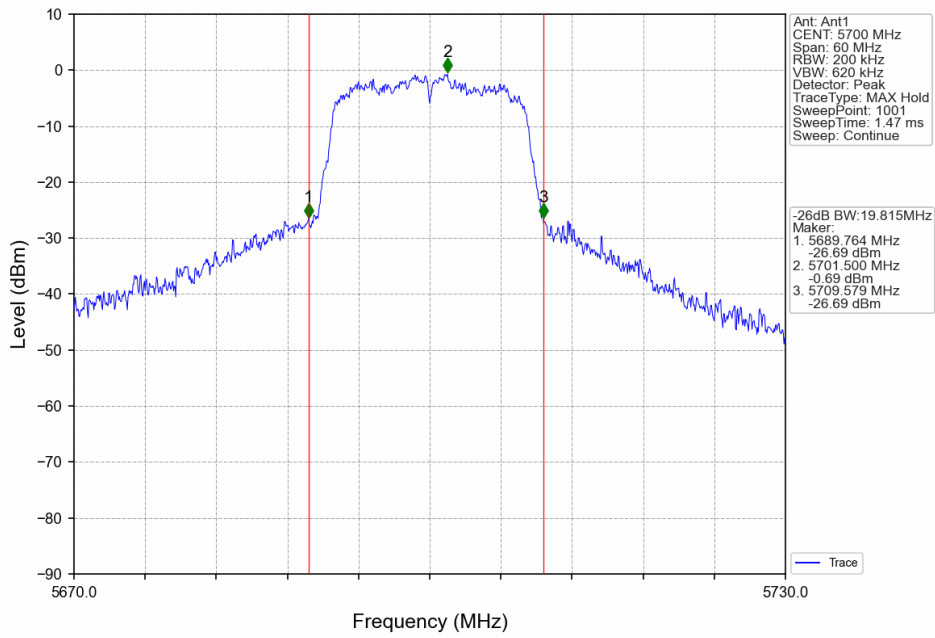
1.2.1 Test Result

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

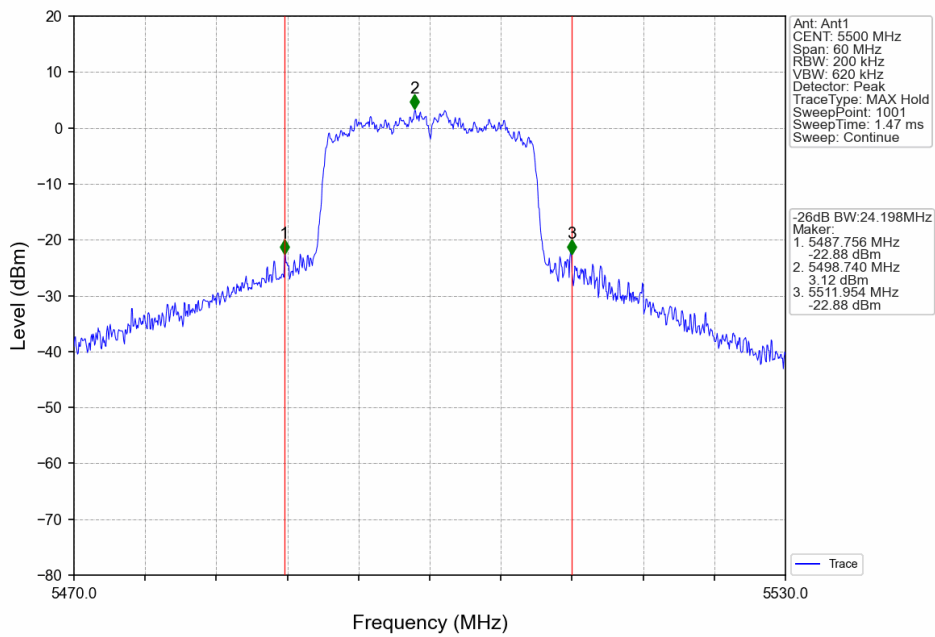
1.2.2 Test Graph



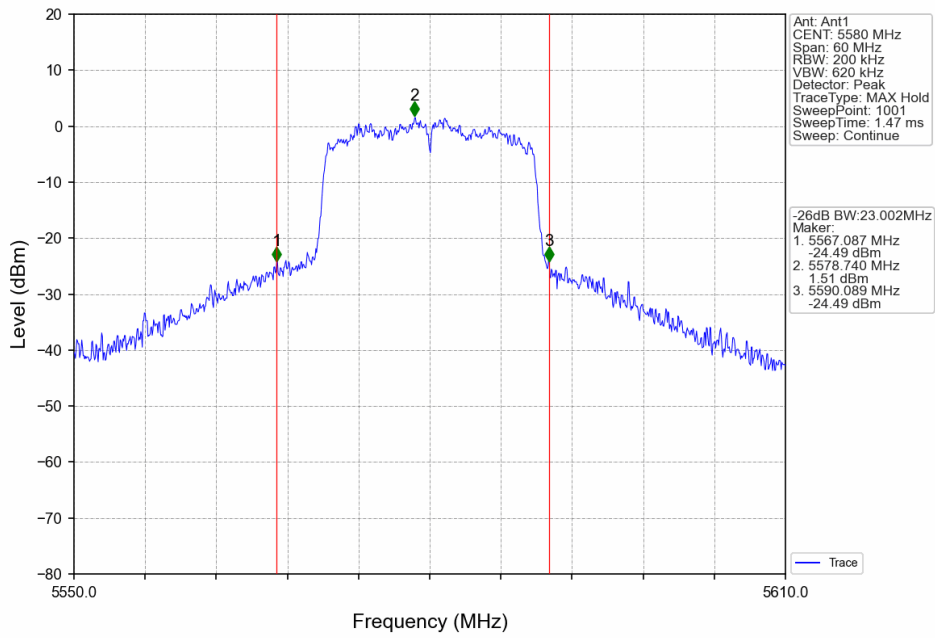
802.11a_HCH_5700MHz_Ant1_NTNV



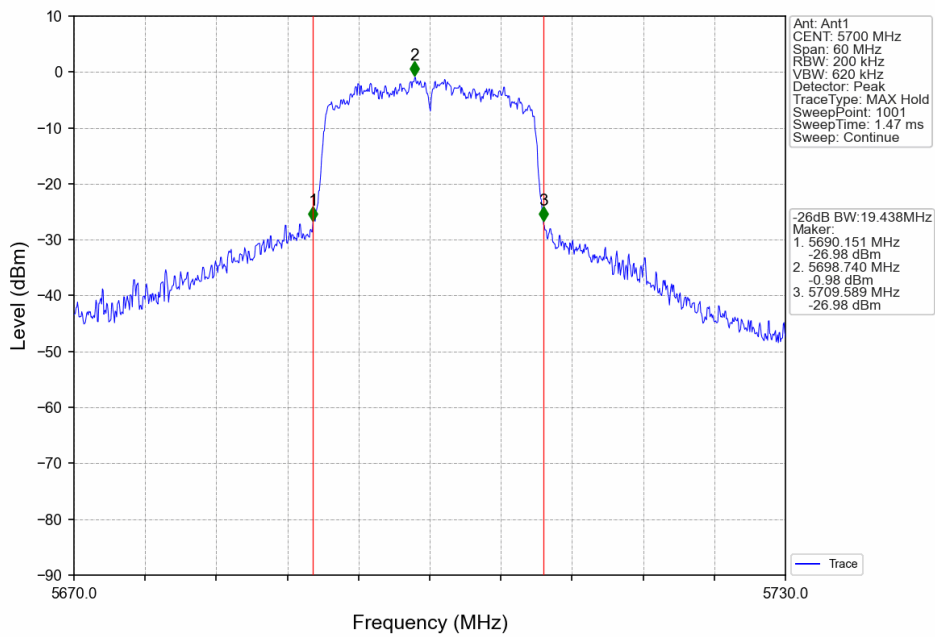
802.11n(HT20)_LCH_5500MHz_Ant1_NTNV



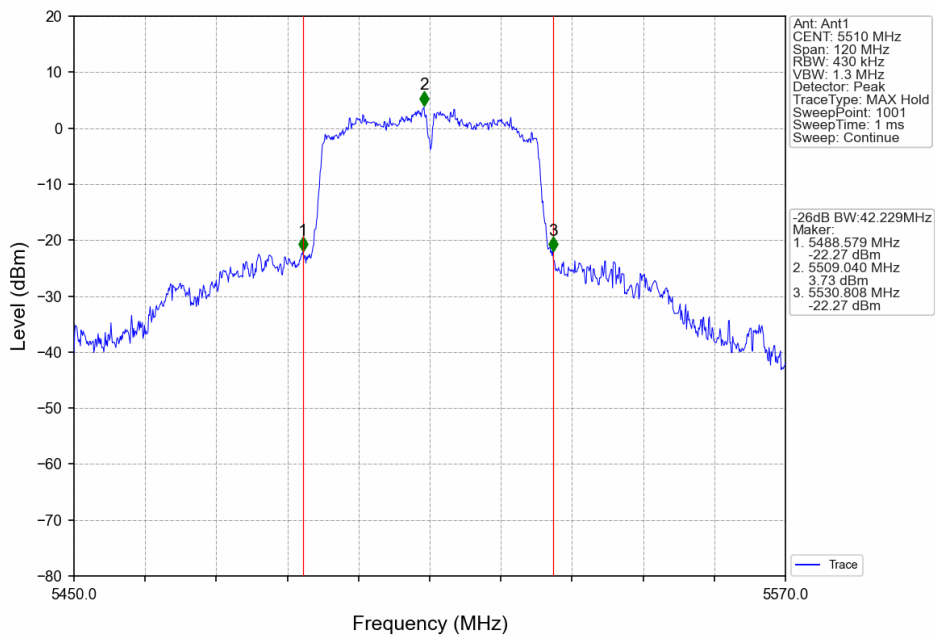
802.11n(HT20)_MCH_5580MHz_Ant1_NTNV



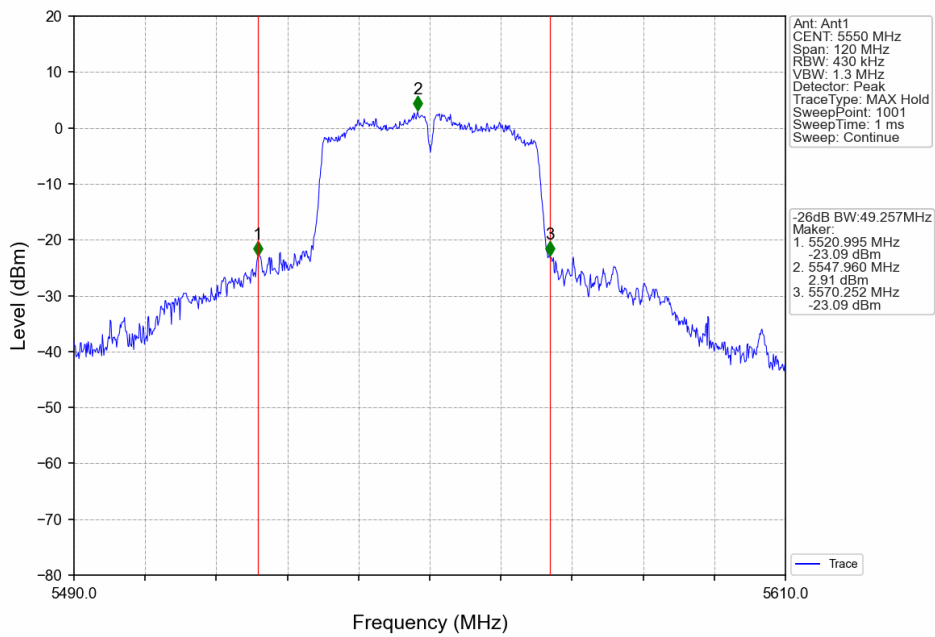
802.11n(HT20)_HCH_5700MHz_Ant1_NTNV

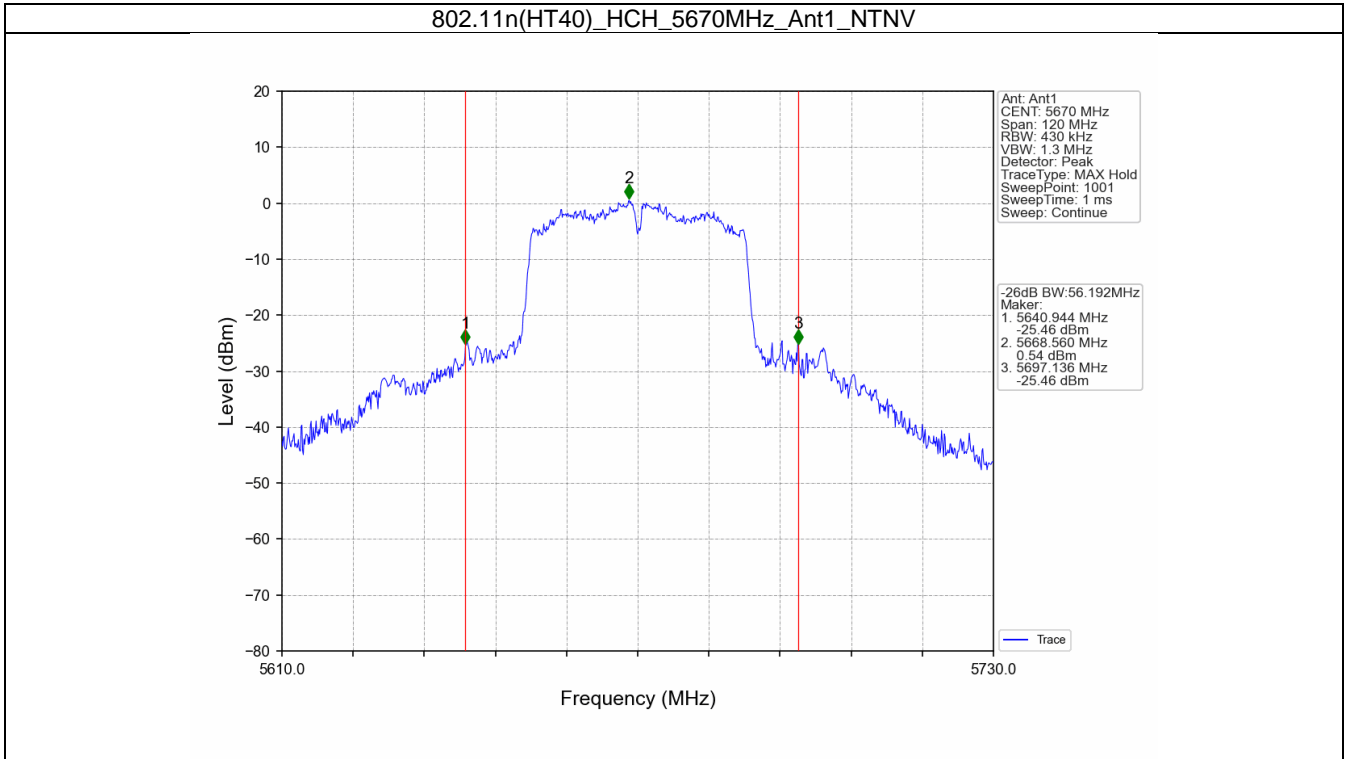


802.11n(HT40)_LCH_5510MHz_Ant1_NTNV



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

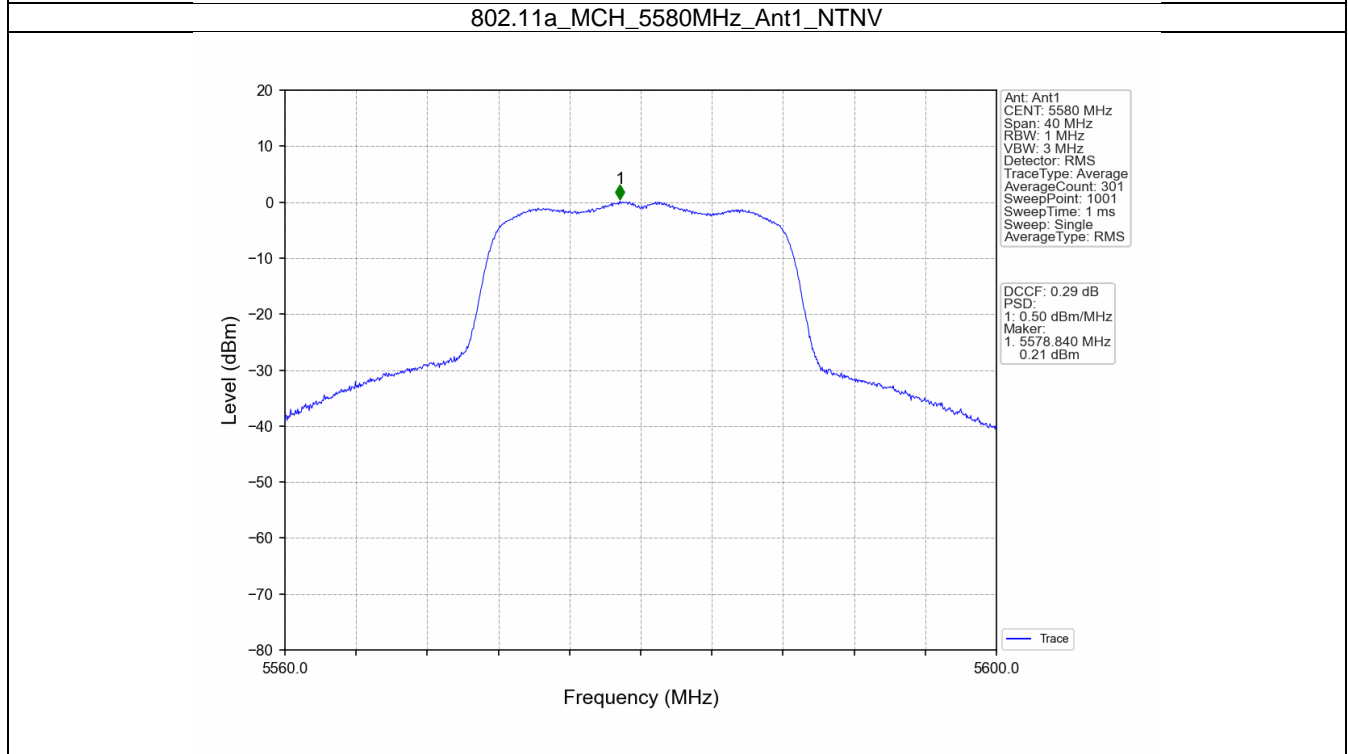
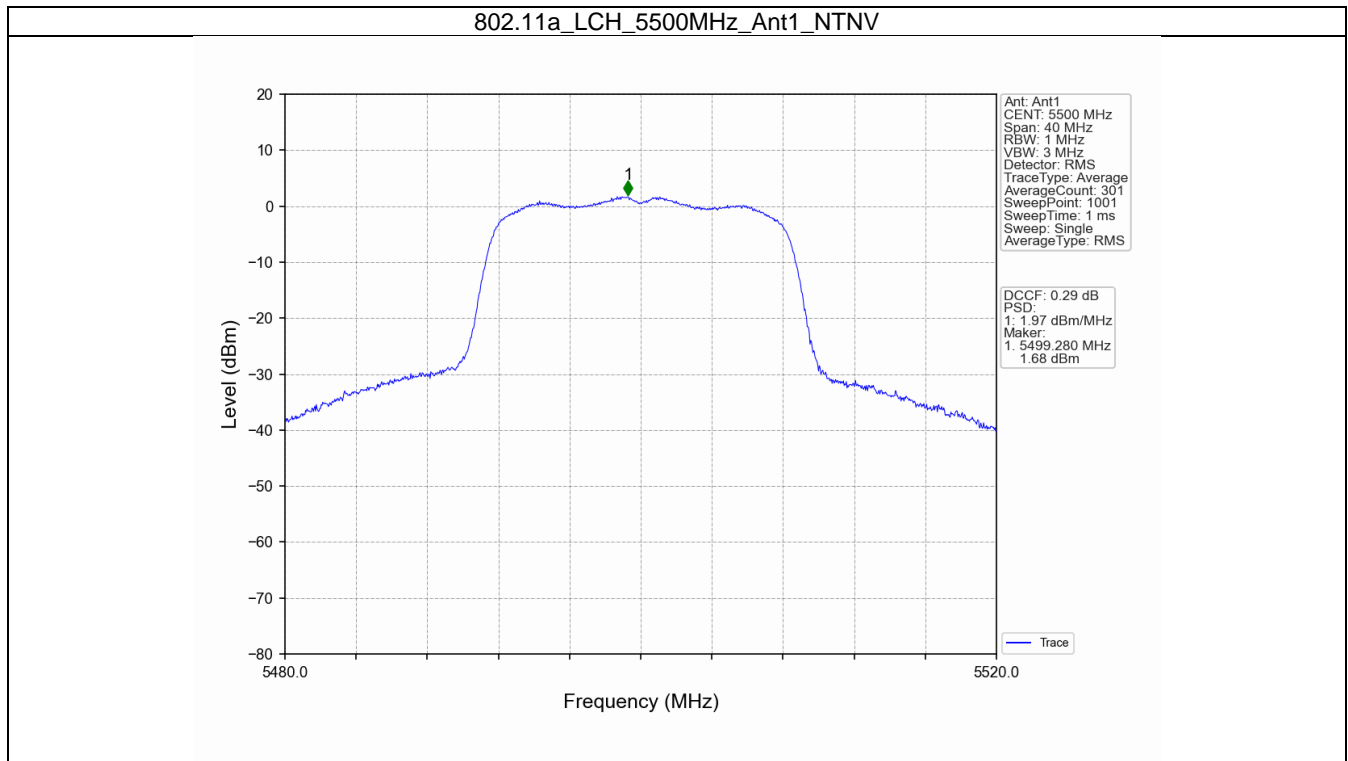
3.1 PSD

3.1.1 Test Result

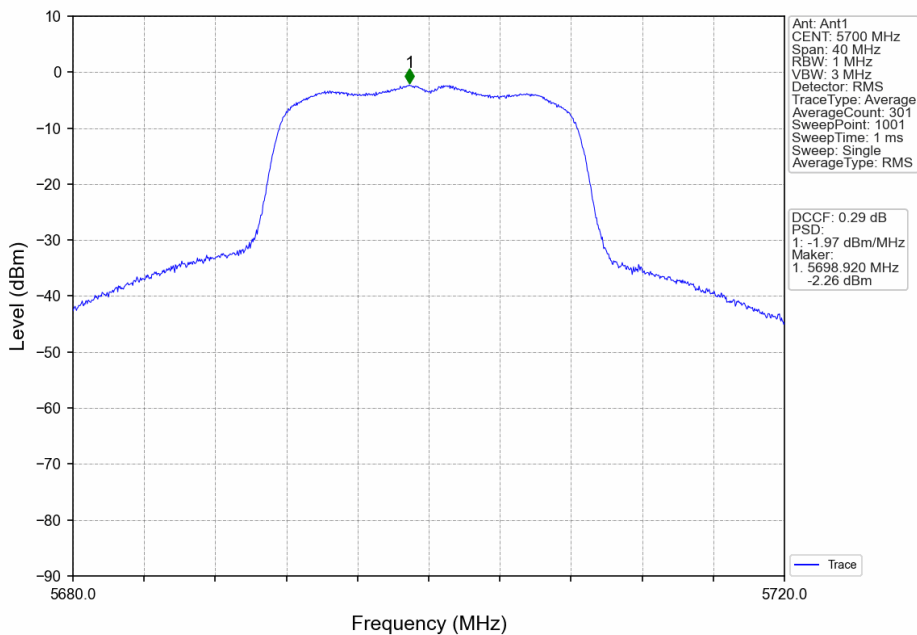
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/MHz)		Verdict
			ANT1	Limit	
802.11a	SISO	5500	1.97	<=11	Pass
		5580	0.50	<=11	Pass
		5700	-1.97	<=11	Pass
802.11n (HT20)	SISO	5500	1.84	<=11	Pass
		5580	0.20	<=11	Pass
		5700	-2.31	<=11	Pass
802.11n (HT40)	SISO	5510	-0.72	<=11	Pass
		5550	-1.24	<=11	Pass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

Note1: Antenna Gain: Ant1: 3.46dBi;

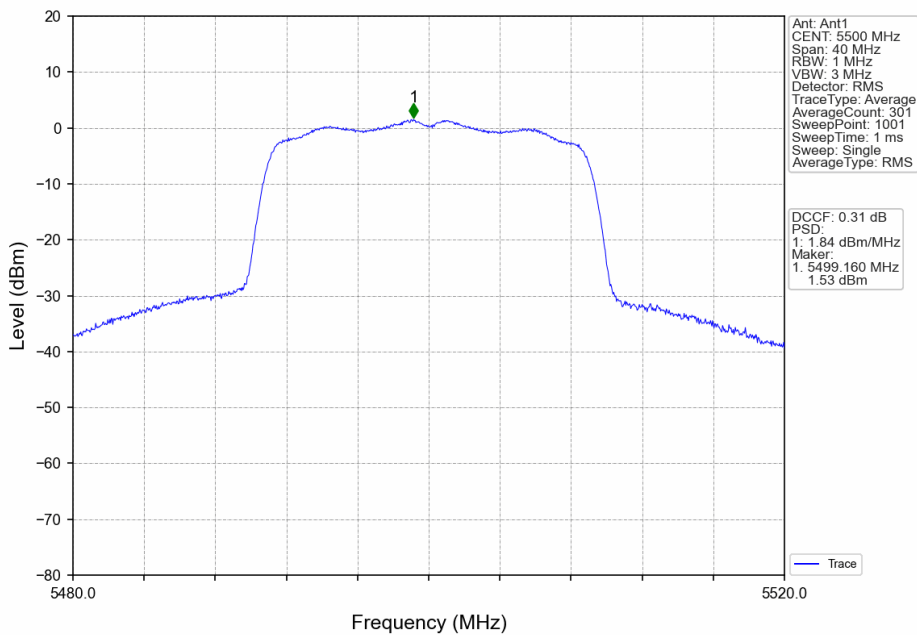
3.1.2 Test Graph



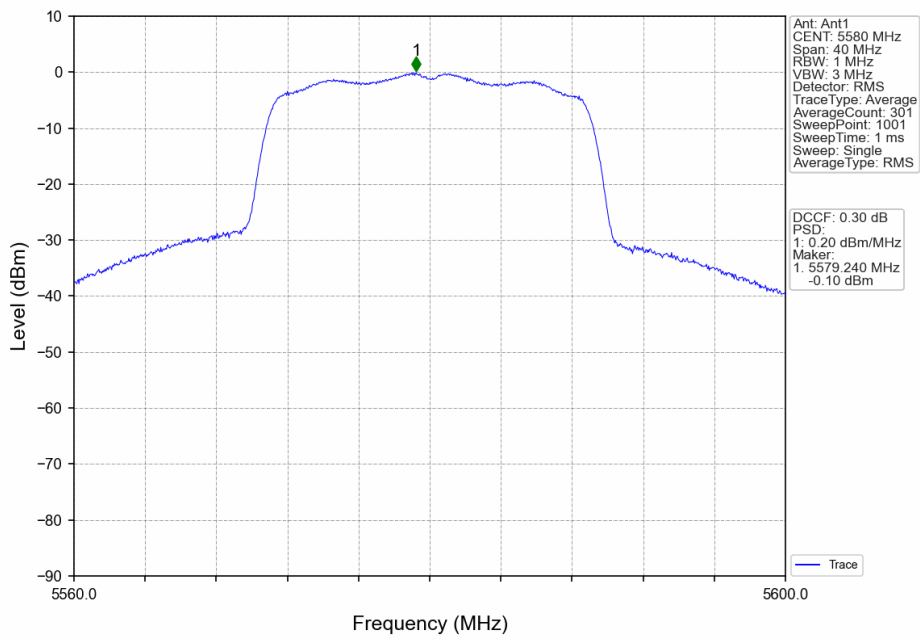
802.11a_HCH_5700MHz_Ant1_NTNV



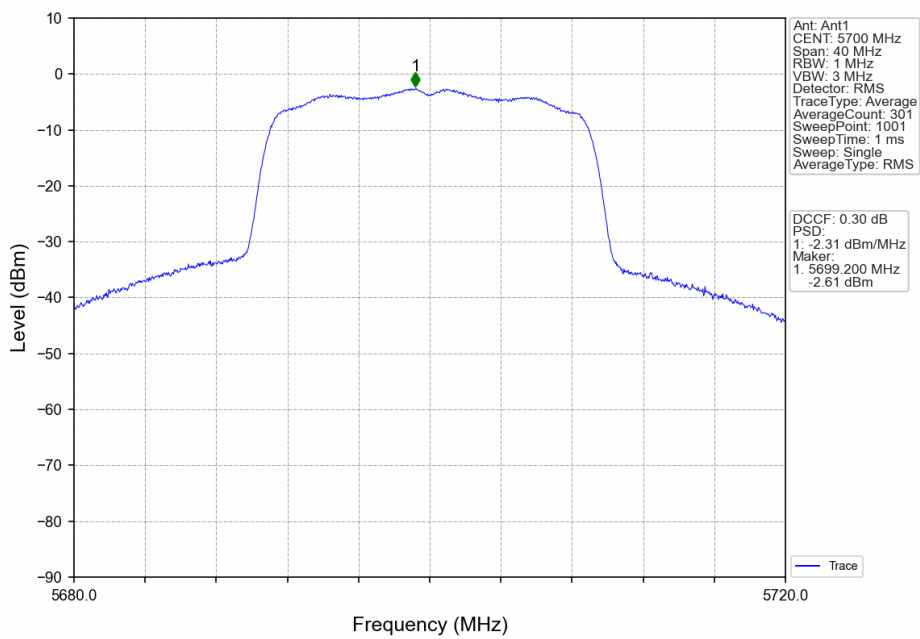
802.11n(HT20)_LCH_5500MHz_Ant1_NTNV



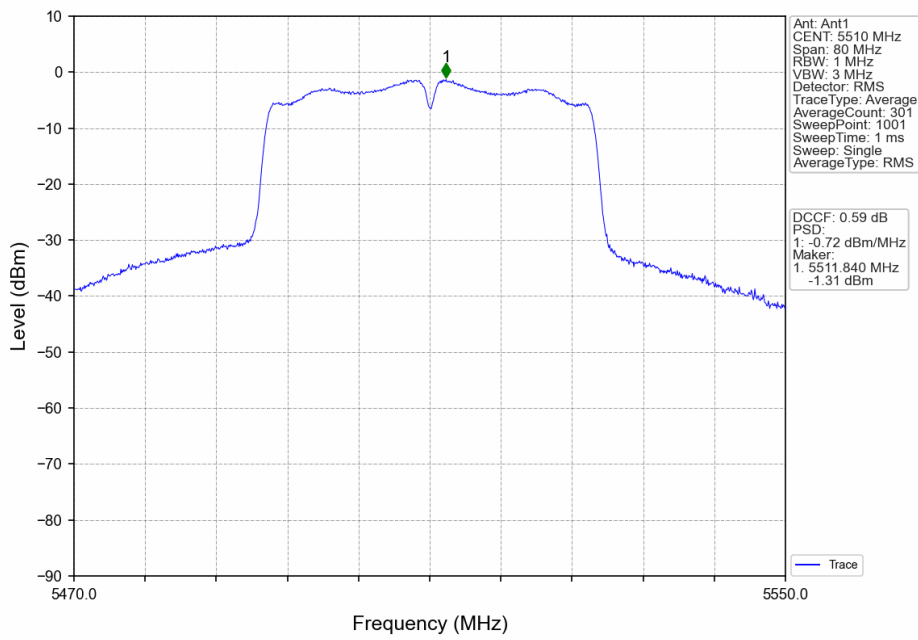
802.11n(HT20)_MCH_5580MHz_Ant1_NTNV



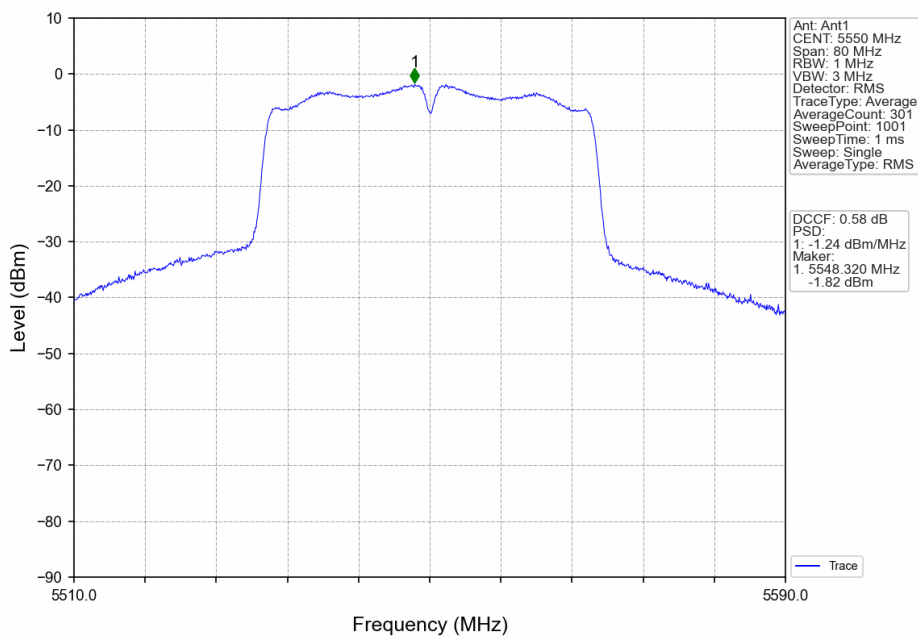
802.11n(HT20)_HCH_5700MHz_Ant1_NTNV

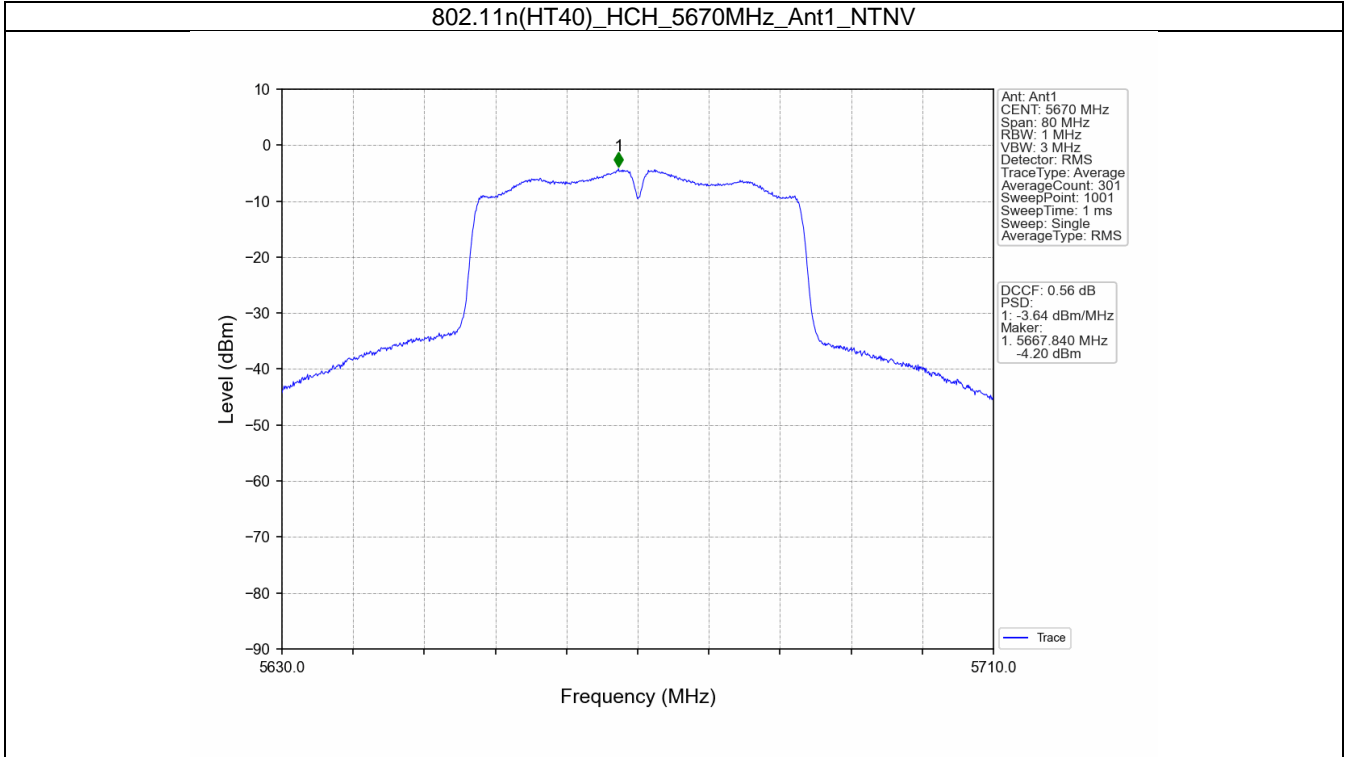


802.11n(HT40)_LCH_5510MHz_Ant1_NTNV



802.11n(HT40)_MCH_5550MHz_Ant1_NTNV





4. Frequency Stability

4.1 Ant1

4.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Temperature (°C)	Ant1		Limit (MHz)	Verdict	
				Voltage (VAC)	Measured Frequency (MHz)			
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
			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
			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
			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
			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