

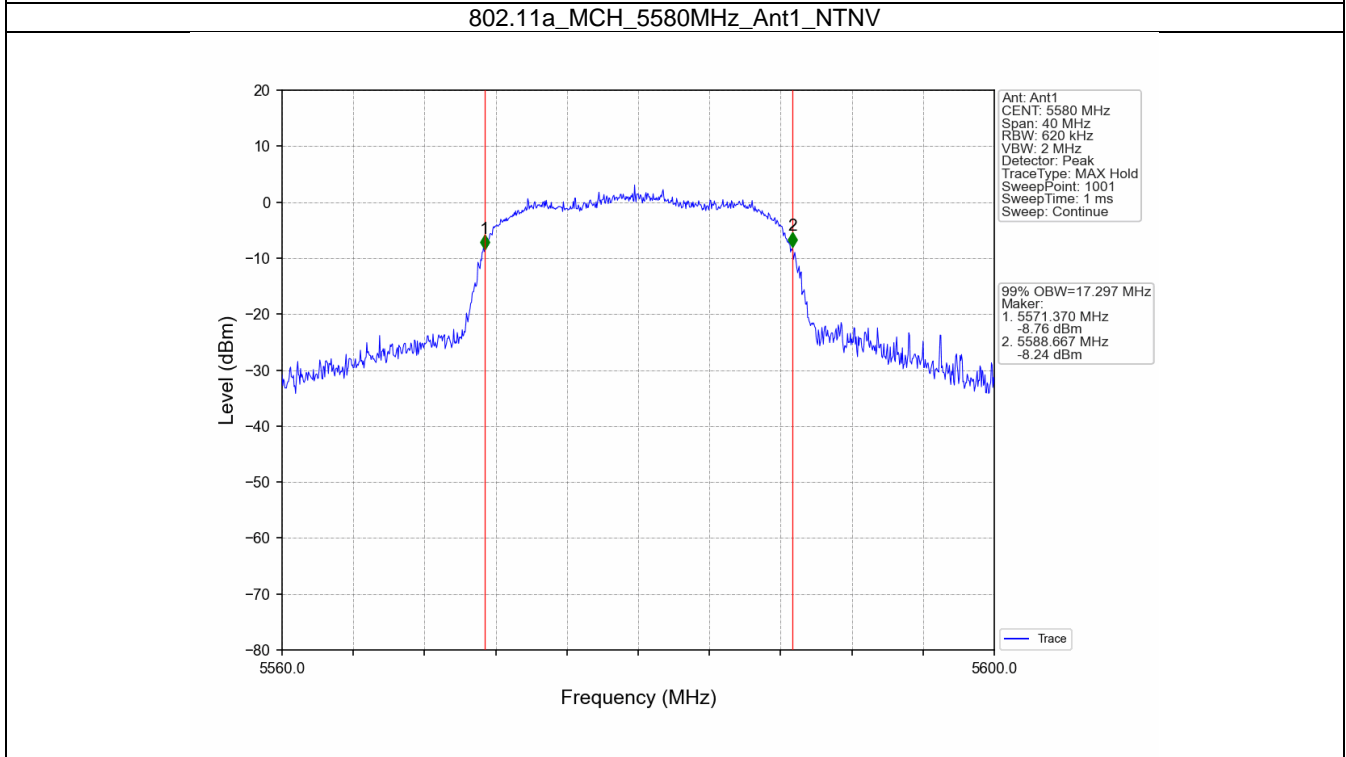
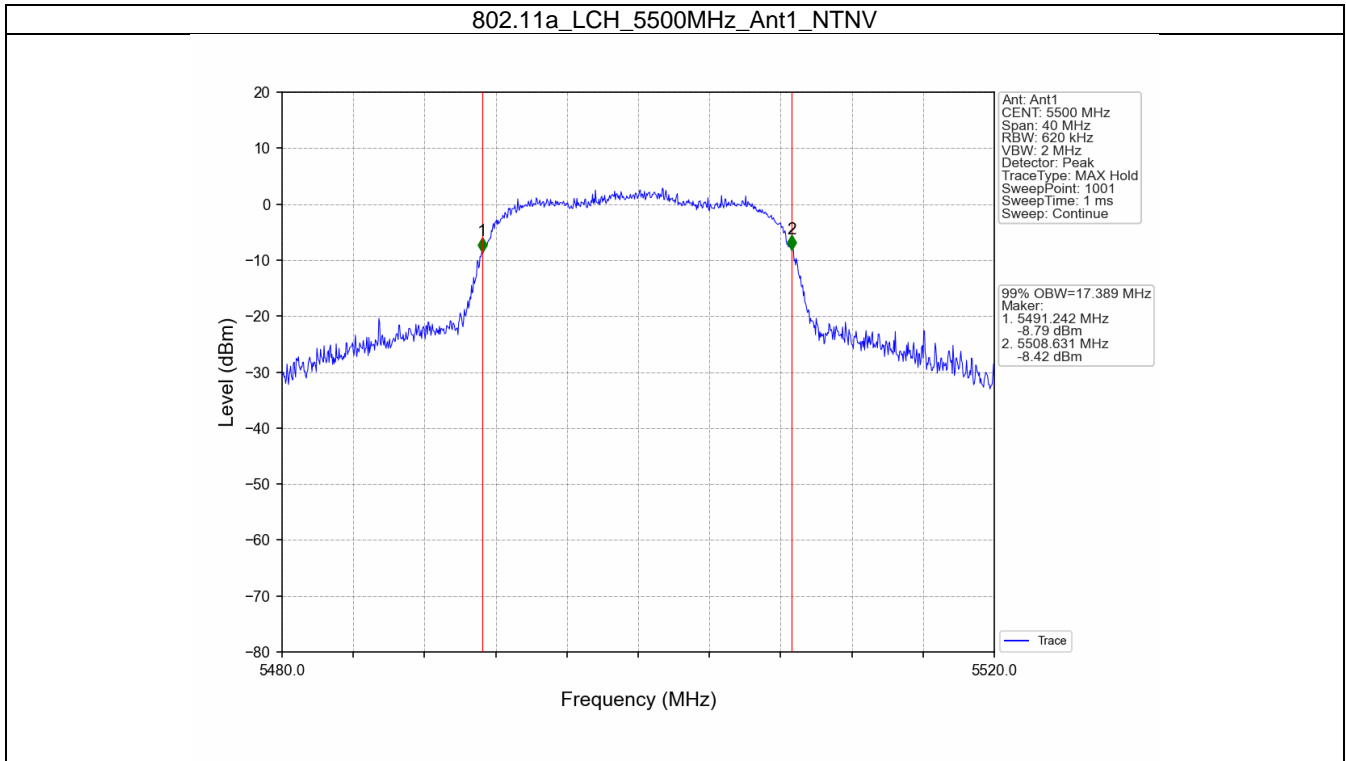
## 1. Bandwidth

### 1.1 OBW

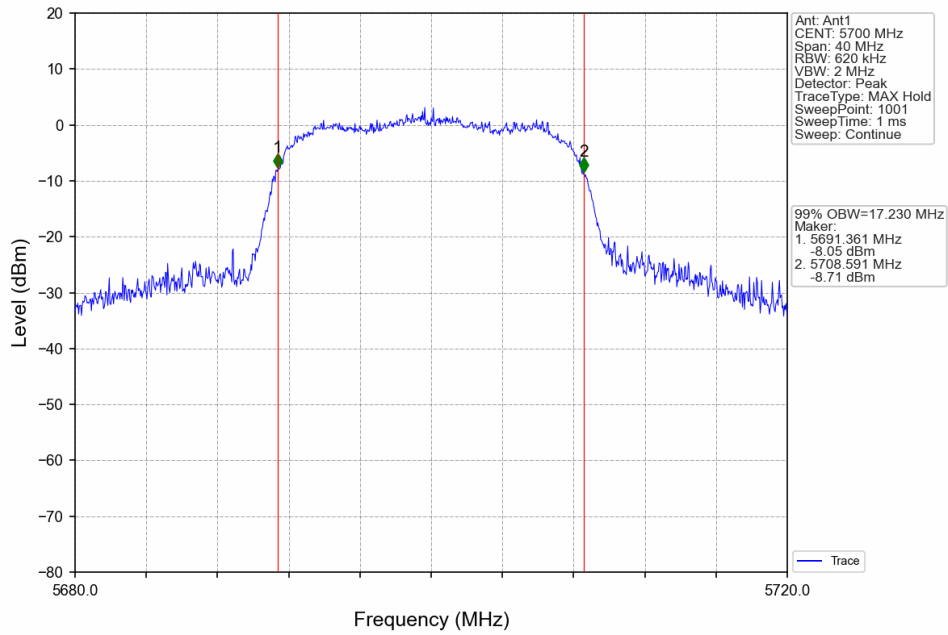
#### 1.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5500	1	17.389	/	Pass
		5580	1	17.297	/	Pass
		5700	1	17.230	/	Pass
802.11n (HT20)	SISO	5500	1	18.003	/	Pass
		5580	1	17.954	/	Pass
		5700	1	17.913	/	Pass
802.11n (HT40)	SISO	5510	1	36.821	/	Pass
		5550	1	36.702	/	Pass
		5670	1	36.637	/	Pass

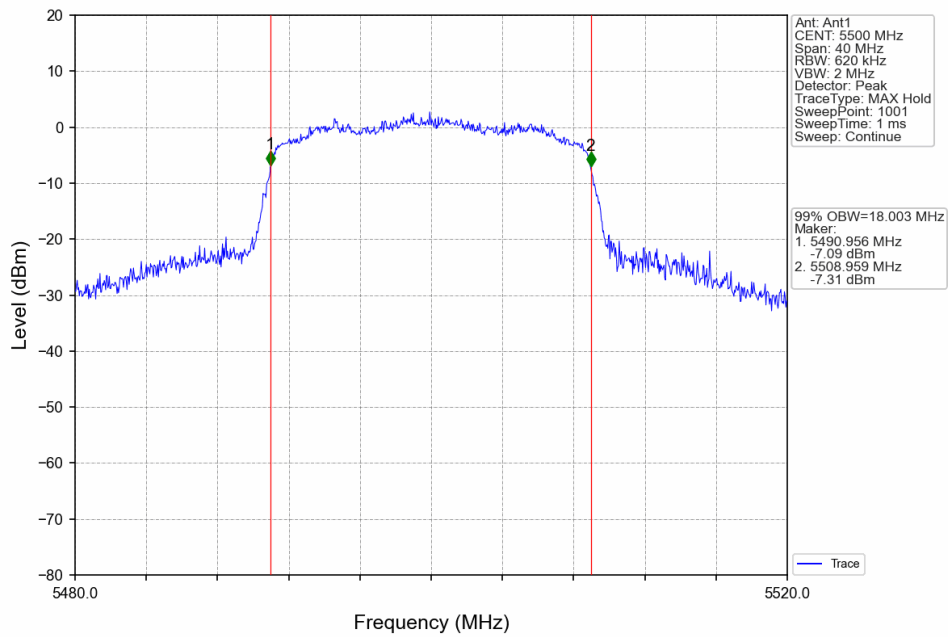
1.1.2 Test Graph



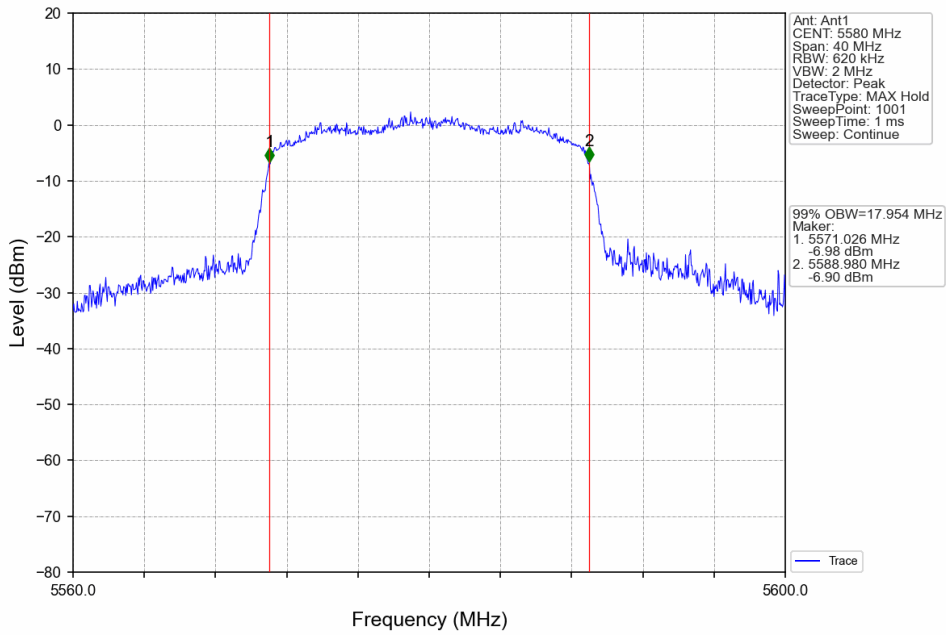
802.11a\_HCH\_5700MHz\_Ant1\_NTNV



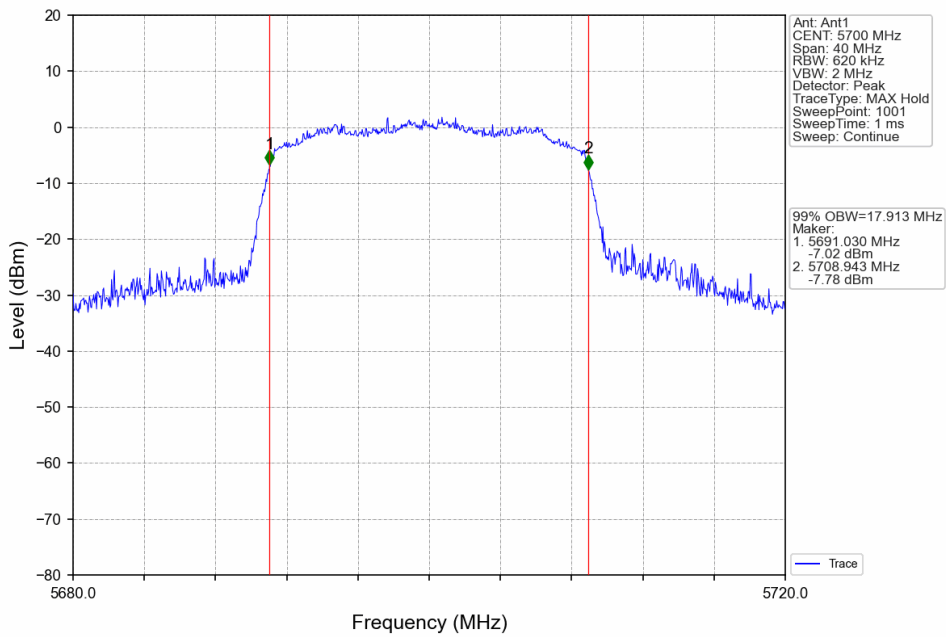
802.11n(HT20)\_LCH\_5500MHz\_Ant1\_NTNV



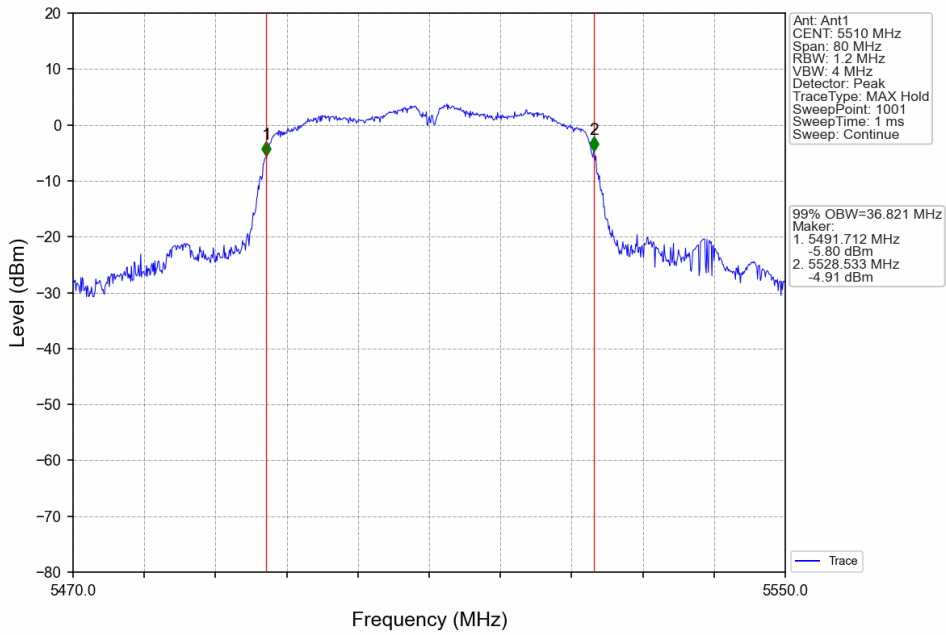
802.11n(HT20)\_MCH\_5580MHz\_Ant1\_NTNV



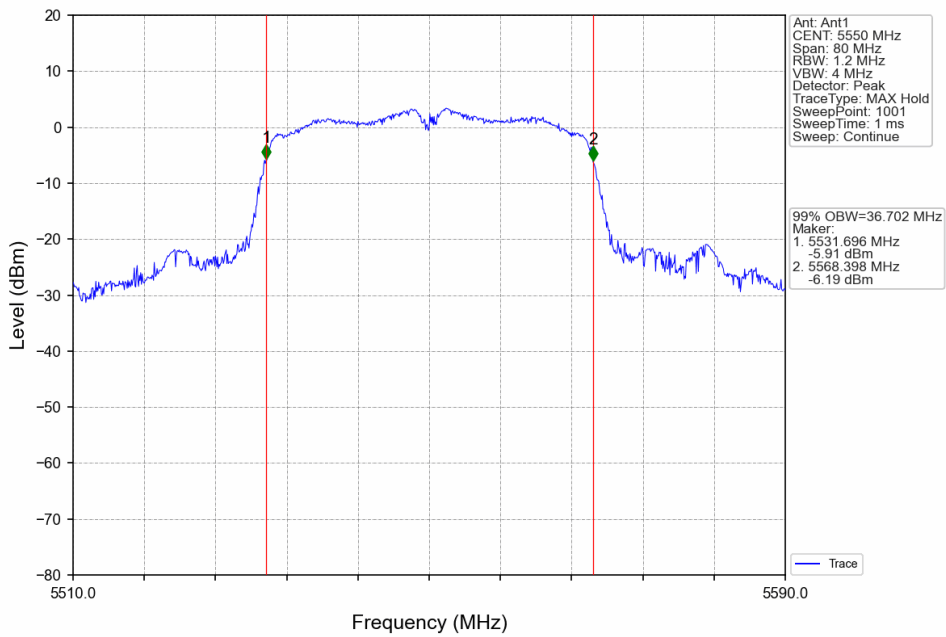
802.11n(HT20)\_HCH\_5700MHz\_Ant1\_NTNV

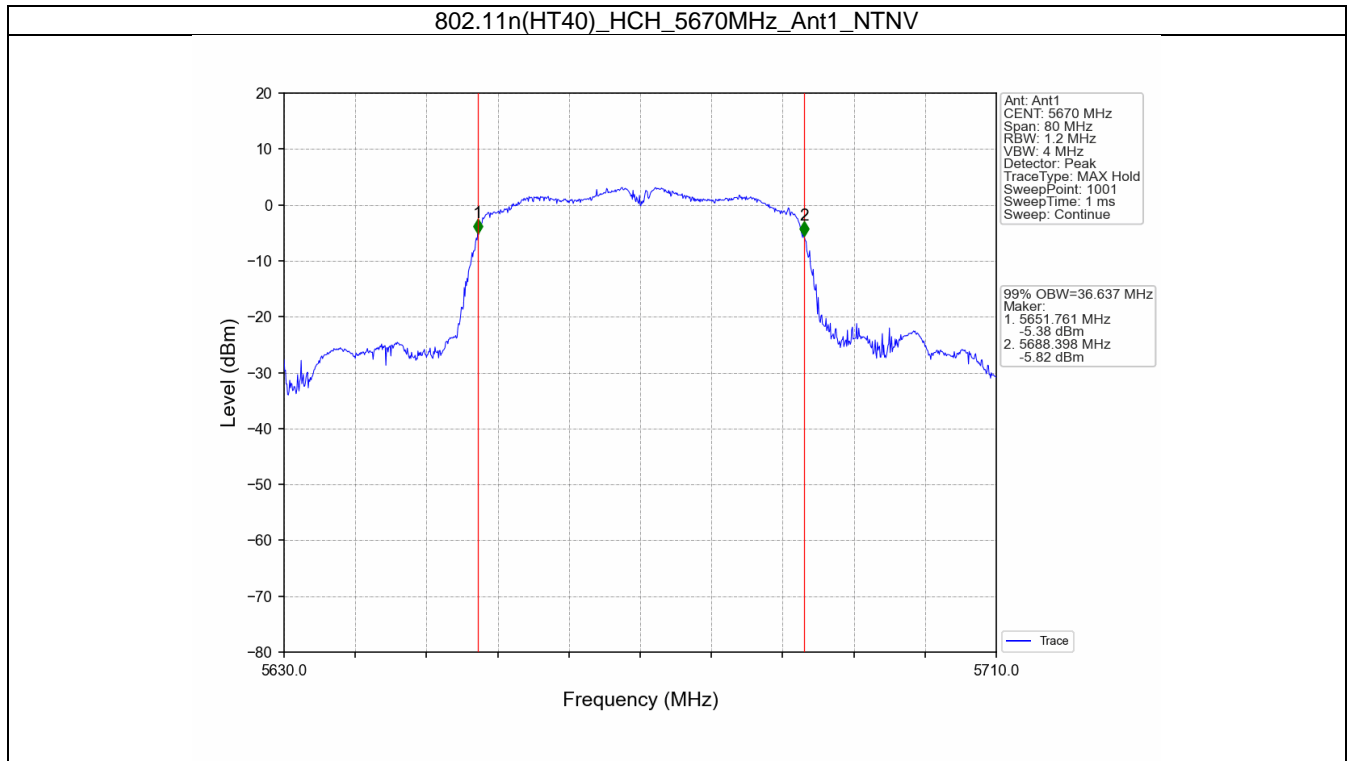


802.11n(HT40)\_LCH\_5510MHz\_Ant1\_NTNV



802.11n(HT40)\_MCH\_5550MHz\_Ant1\_NTNV



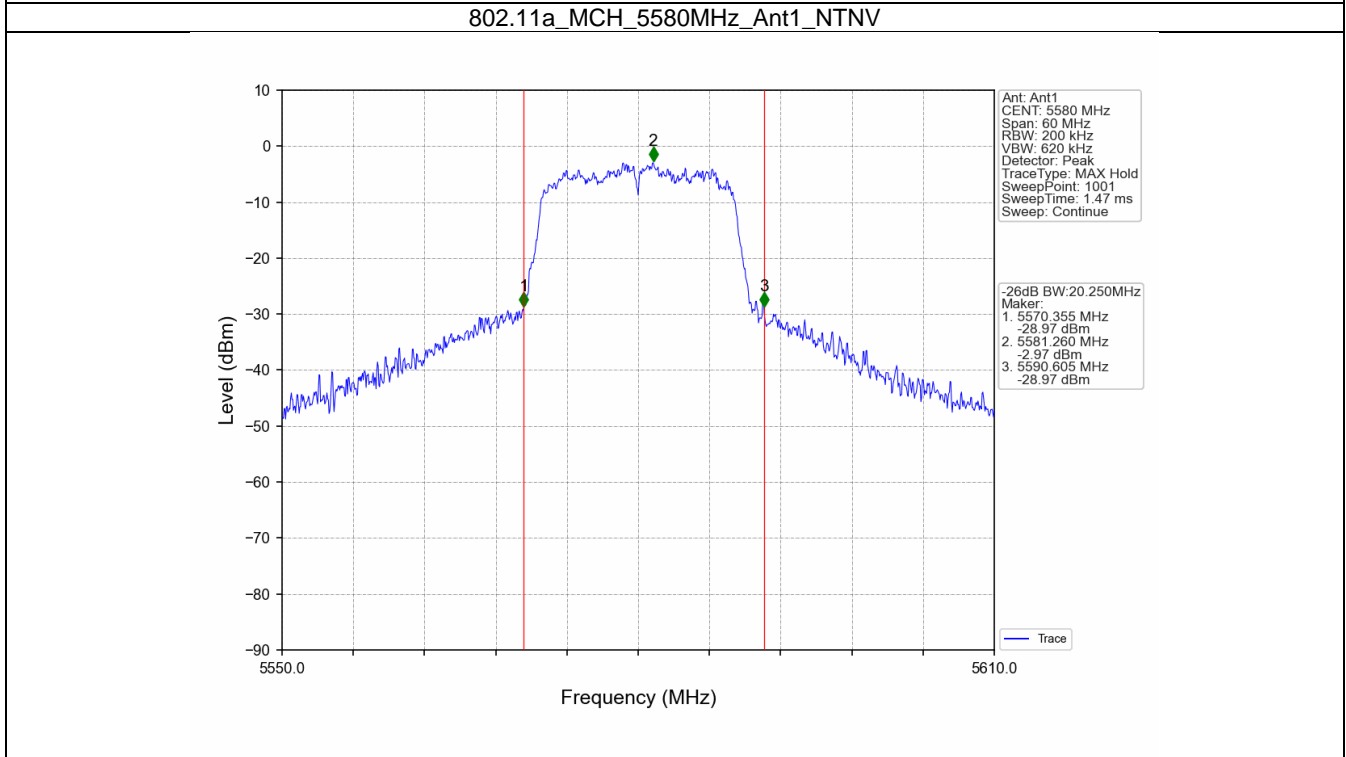
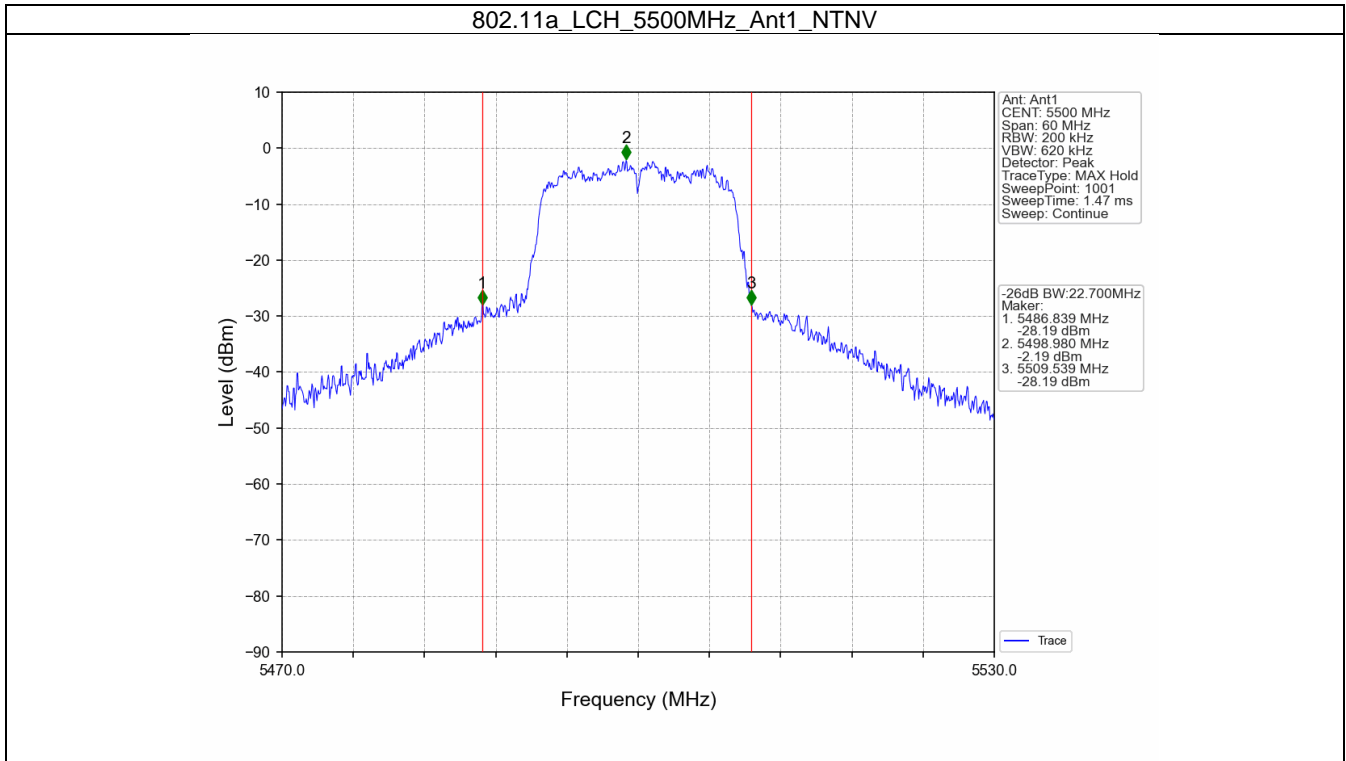


## 1.2 26dB BW

### 1.2.1 Test Result

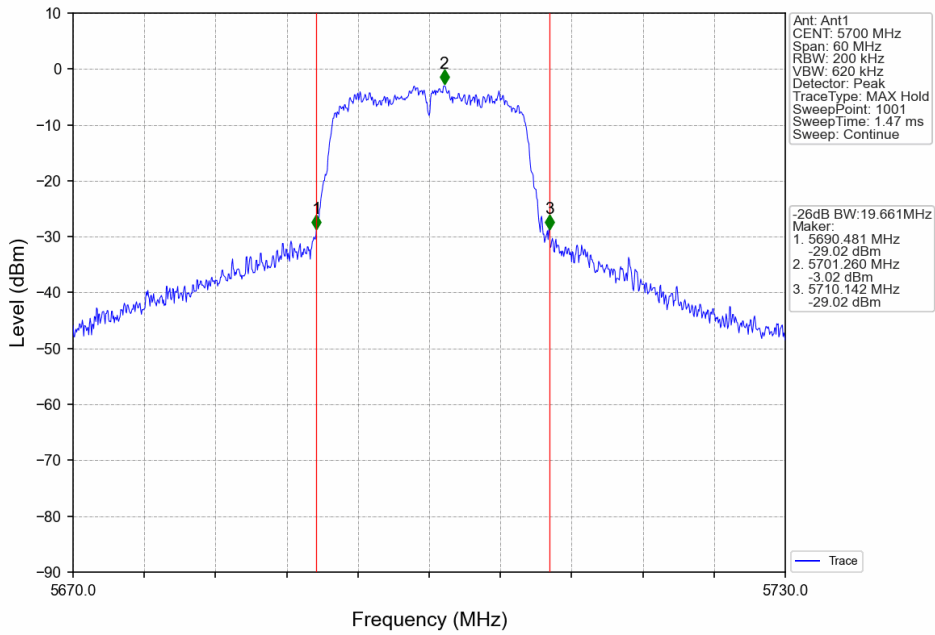
Mode	TX Type	Frequency (MHz)	ANT	26dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5500	1	22.700	/	Pass
		5580	1	20.250	/	Pass
		5700	1	19.661	/	Pass
802.11n (HT20)	SISO	5500	1	21.910	/	Pass
		5580	1	19.630	/	Pass
		5700	1	19.273	/	Pass
802.11n (HT40)	SISO	5510	1	40.366	/	Pass
		5550	1	55.313	/	Pass
		5670	1	39.436	/	Pass

1.2.2 Test Graph

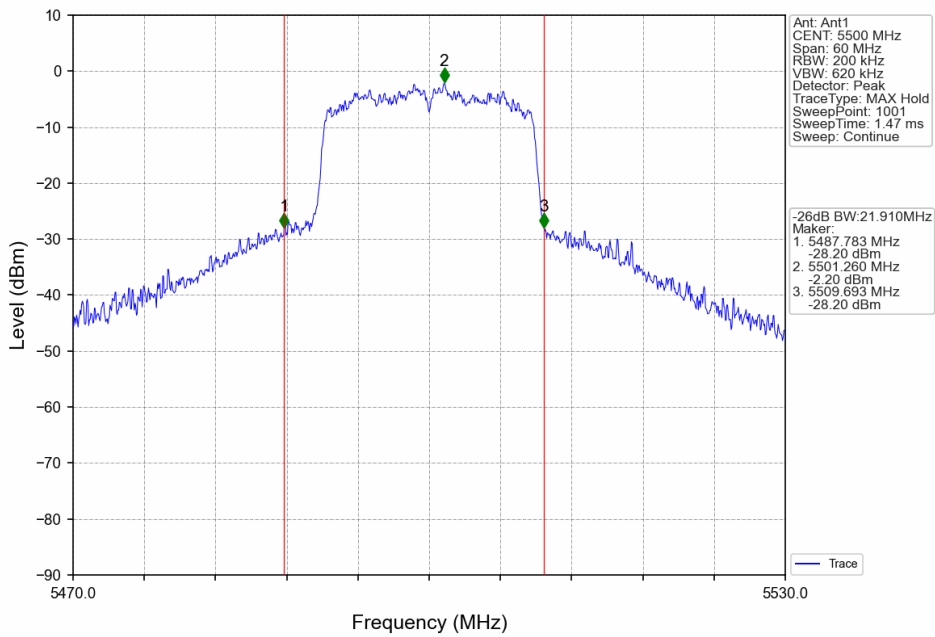




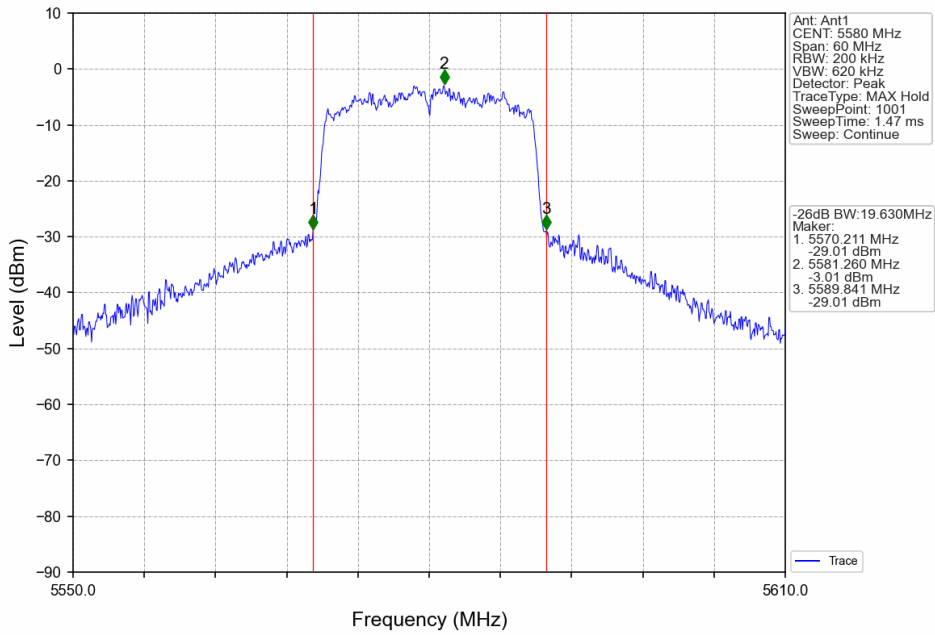
802.11a\_HCH\_5700MHz\_Ant1\_NTNV



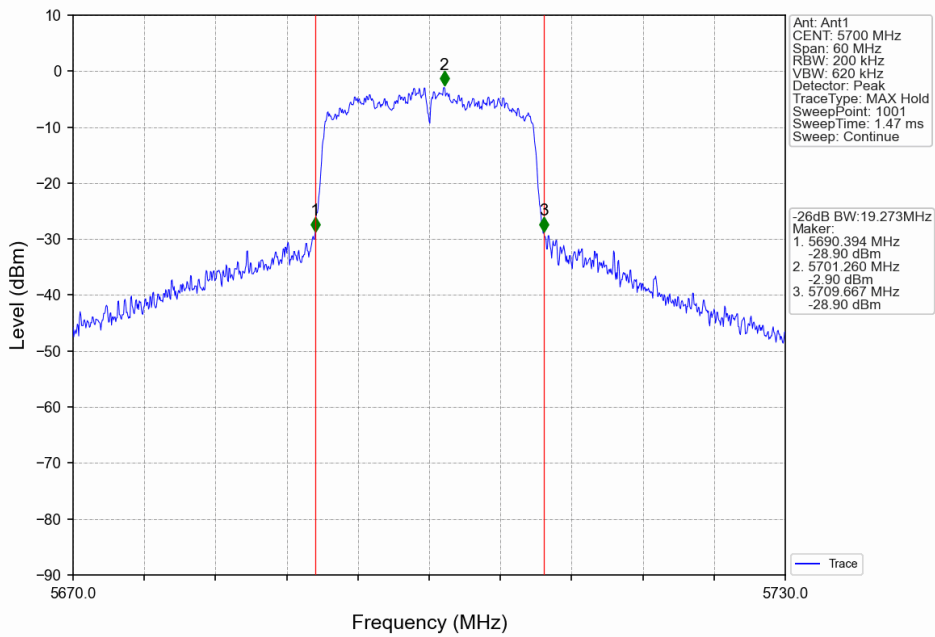
802.11n(HT20)\_LCH\_5500MHz\_Ant1\_NTNV



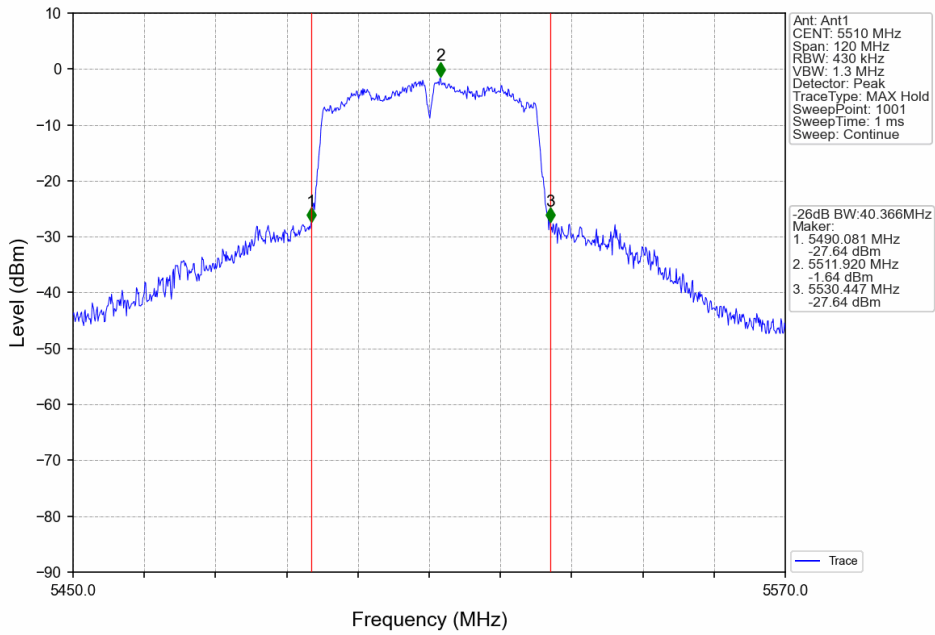
802.11n(HT20)\_MCH\_5580MHz\_Ant1\_NTNV



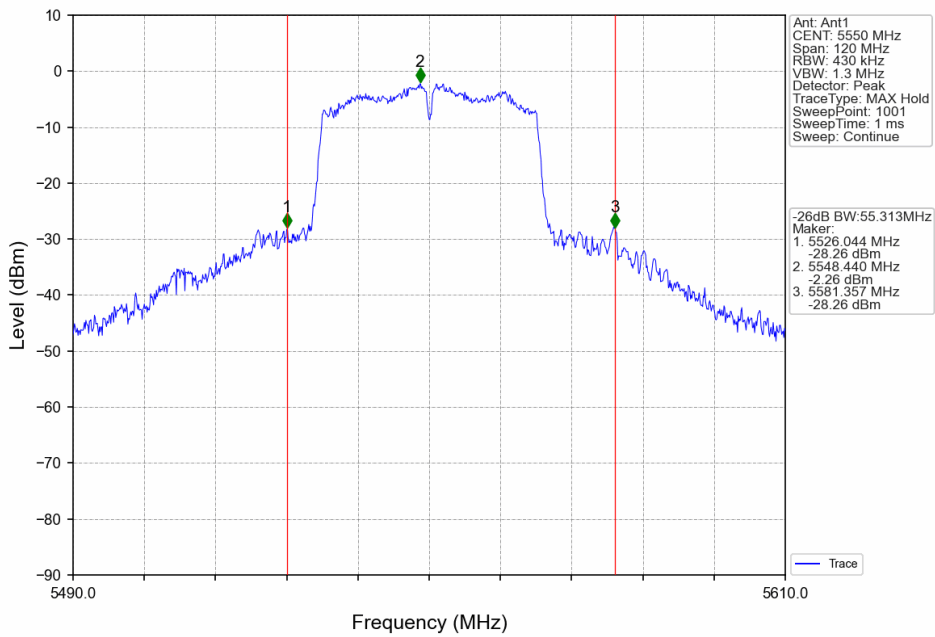
802.11n(HT20)\_HCH\_5700MHz\_Ant1\_NTNV

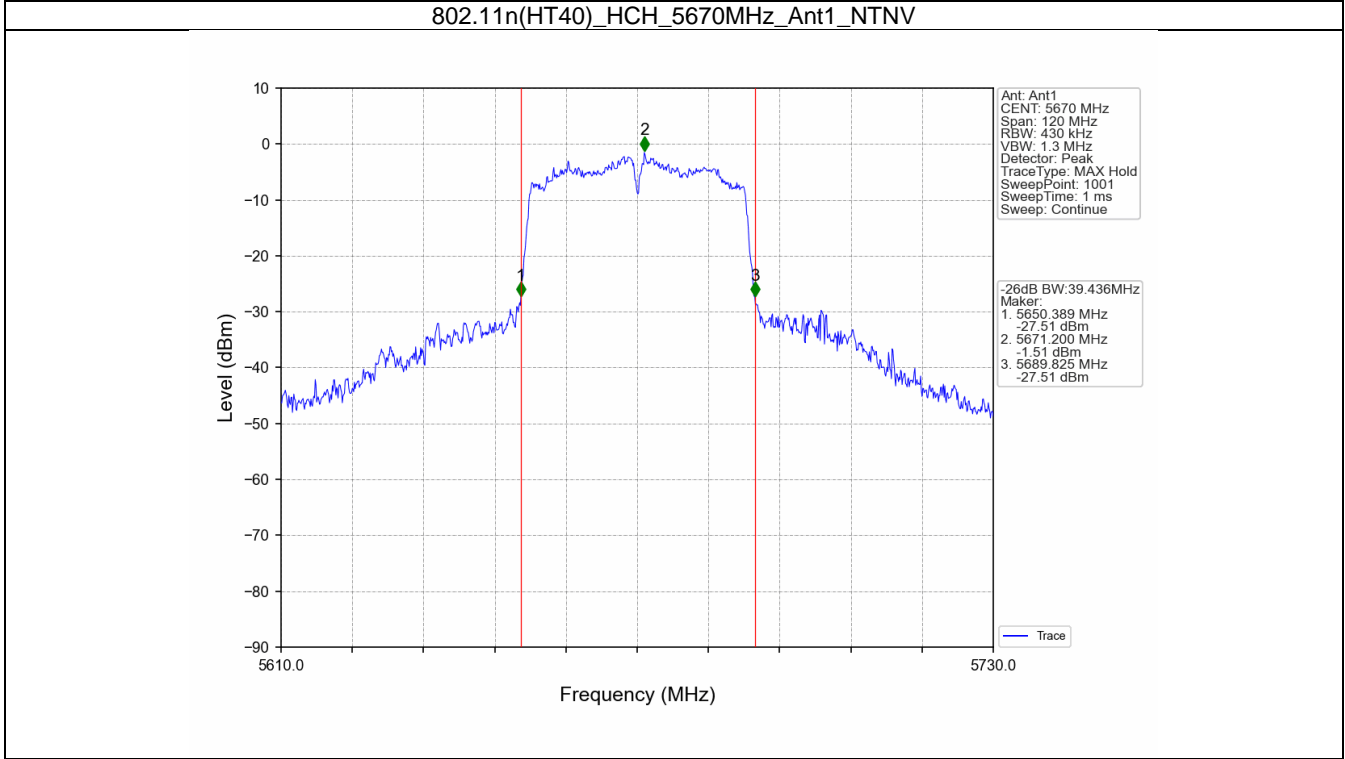


802.11n(HT40)\_LCH\_5510MHz\_Ant1\_NTNV



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	6.83	<=23.98	Pass
		5580	6.26	<=23.98	Pass
		5700	6.25	<=23.94	Pass
802.11n (HT20)	SISO	5500	6.73	<=23.98	Pass
		5580	6.14	<=23.93	Pass
		5700	6.19	<=23.85	Pass
802.11n (HT40)	SISO	5510	7.37	<=23.98	Pass
		5550	7.06	<=23.98	Pass
		5670	6.85	<=23.98	Pass

Note1: Antenna Gain: Ant1: 3.47dBi;

### 3. Maximum Power Spectral Density

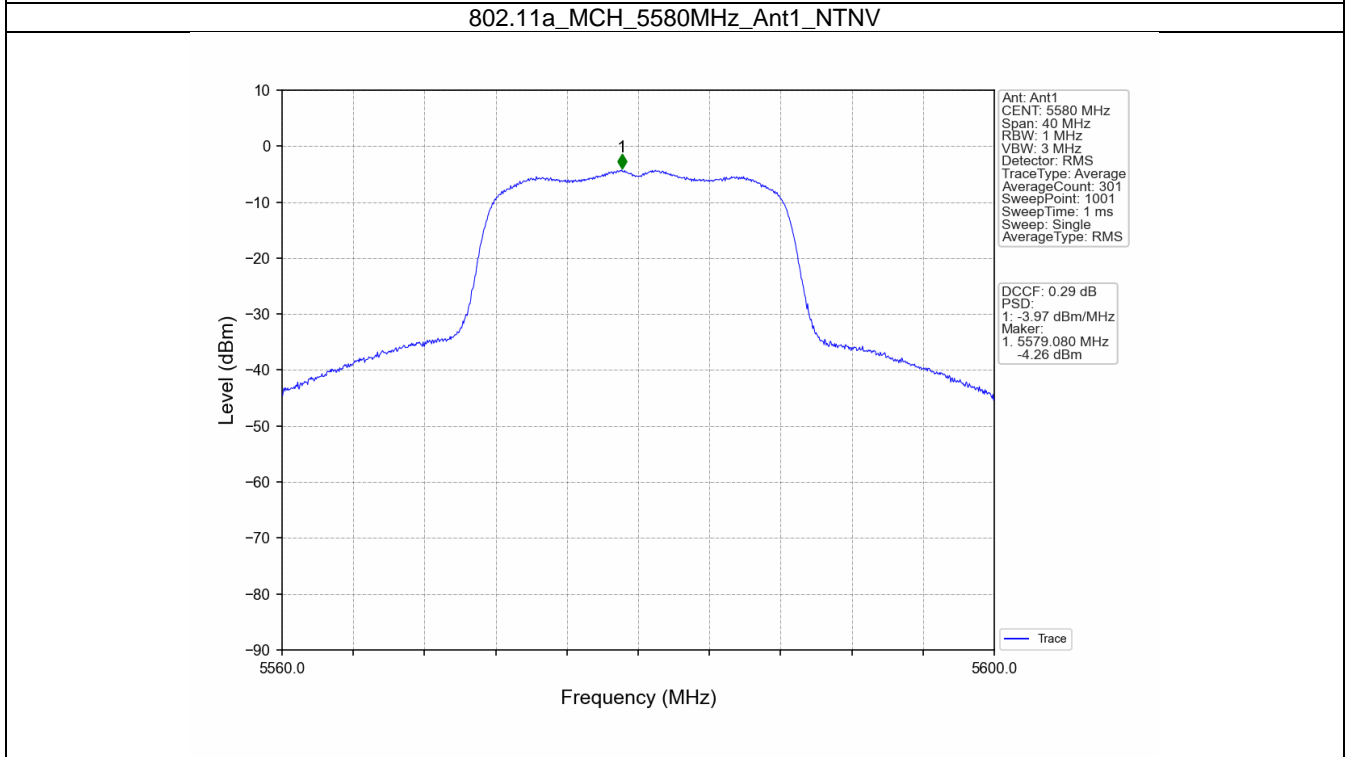
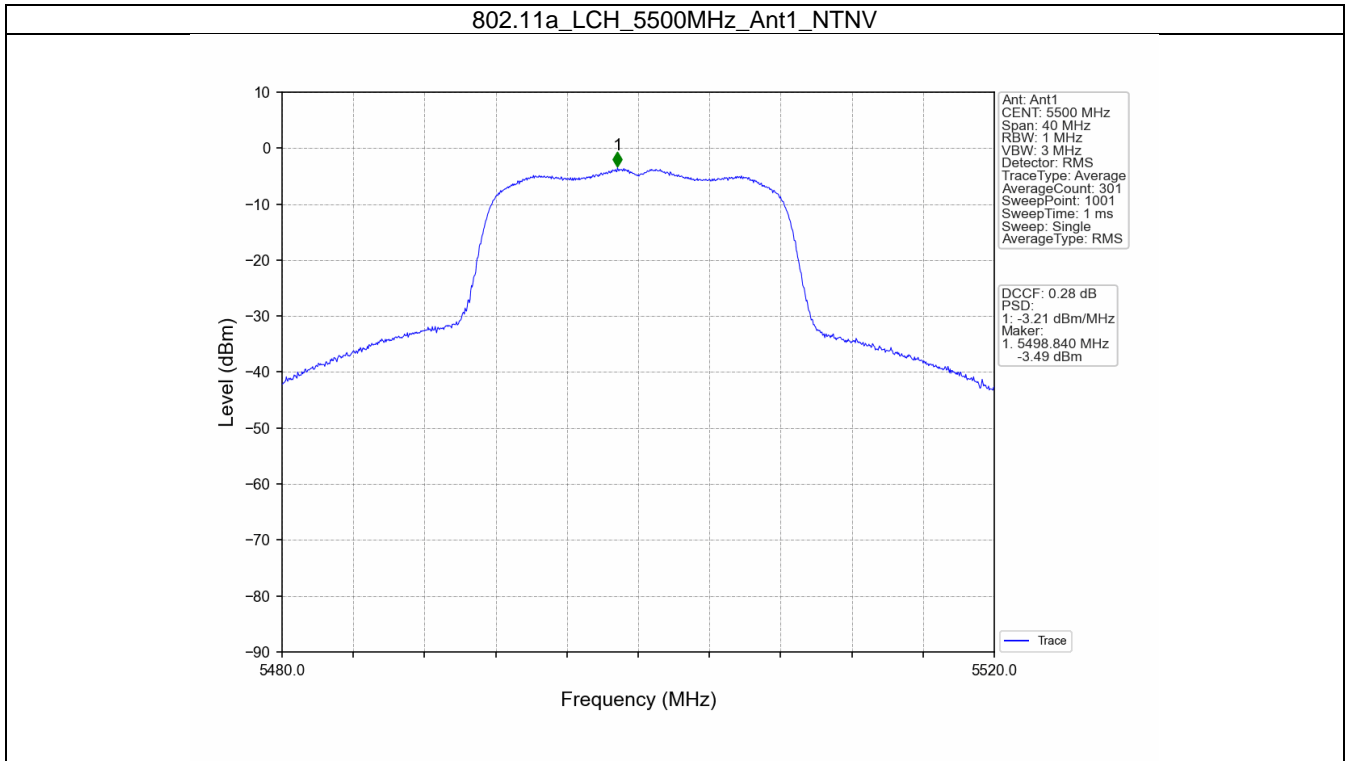
#### 3.1 PSD

##### 3.1.1 Test Result

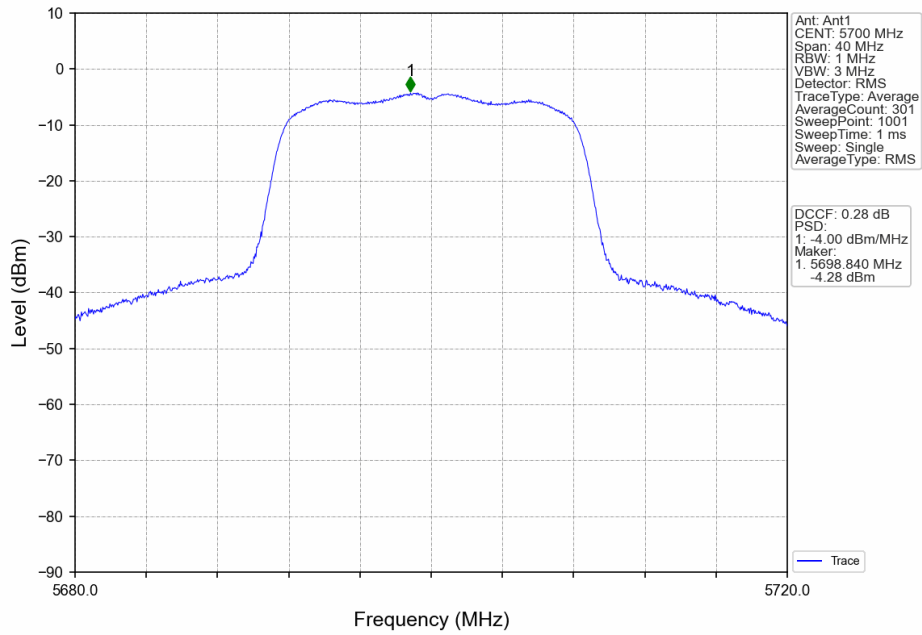
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/MHz)		Verdict
			ANT1	Limit	
802.11a	SISO	5500	-3.21	<=11	Pass
		5580	-3.97	<=11	Pass
		5700	-4.00	<=11	Pass
802.11n (HT20)	SISO	5500	-3.63	<=11	Pass
		5580	-4.27	<=11	Pass
		5700	-4.01	<=11	Pass
802.11n (HT40)	SISO	5510	-5.70	<=11	Pass
		5550	-5.95	<=11	Pass
		5670	-6.43	<=11	Pass

Note1: Antenna Gain: Ant1: 3.47dBi;

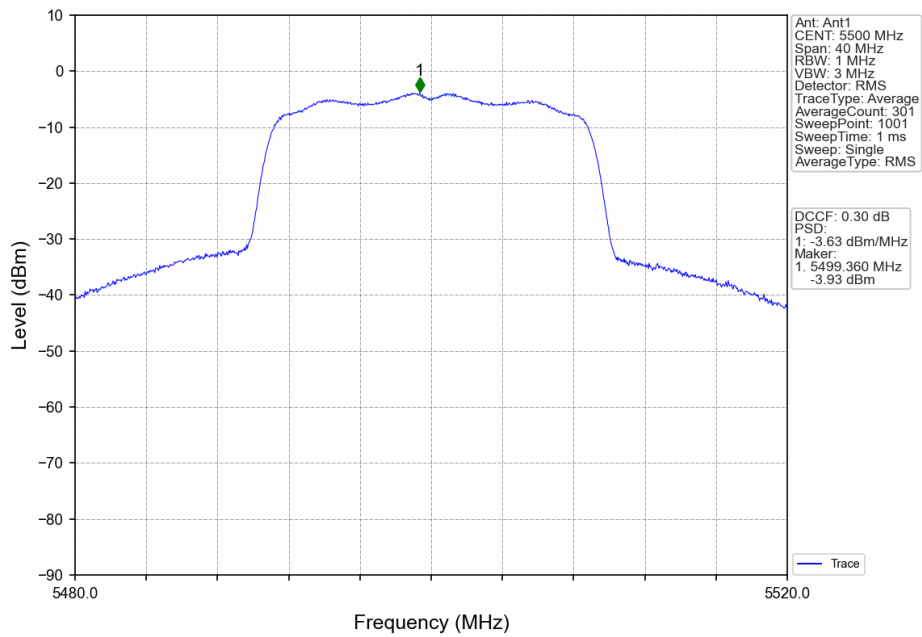
3.1.2 Test Graph



802.11a\_HCH\_5700MHz\_Ant1\_NTNV

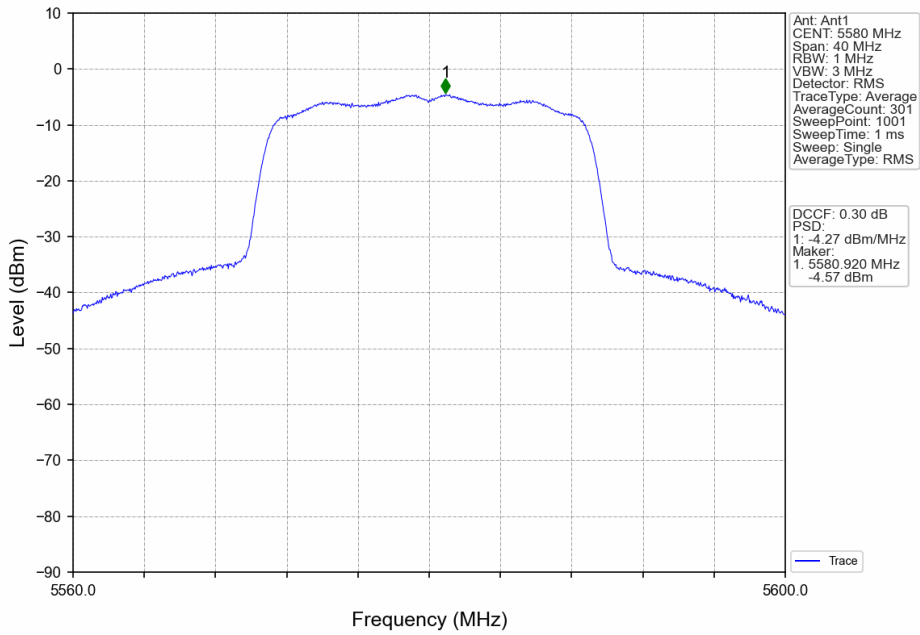


802.11n(HT20)\_LCH\_5500MHz\_Ant1\_NTNV

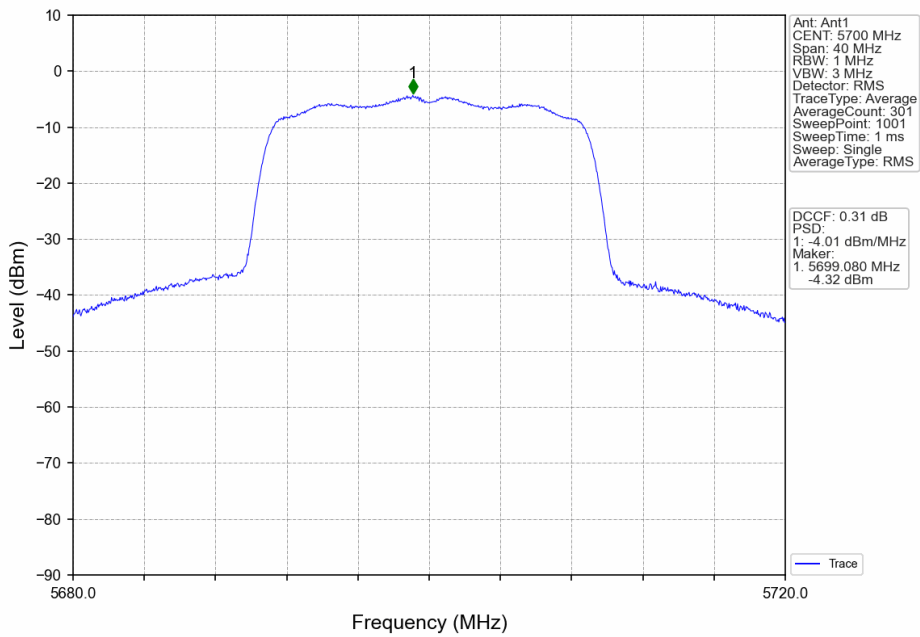




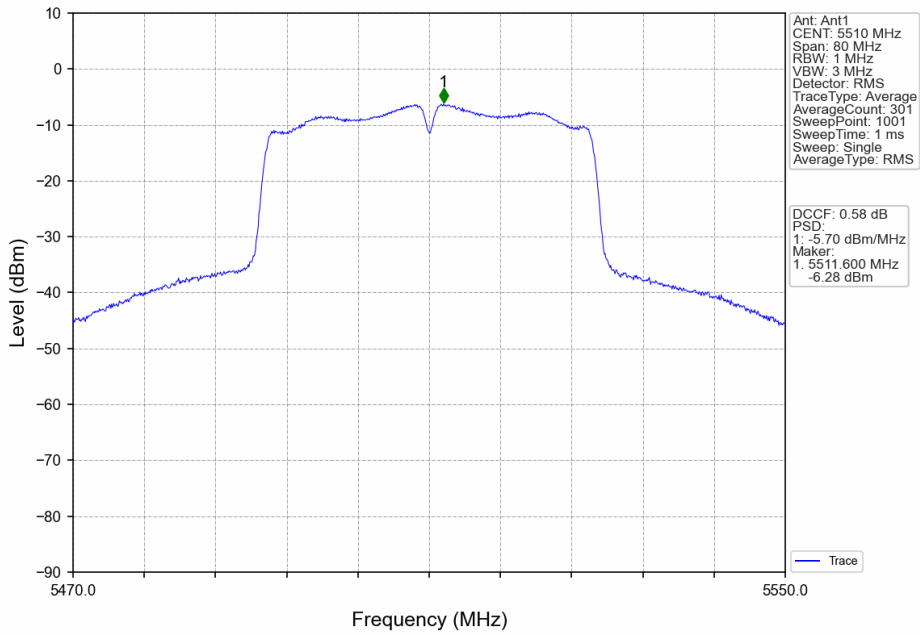
802.11n(HT20)\_MCH\_5580MHz\_Ant1\_NTNV



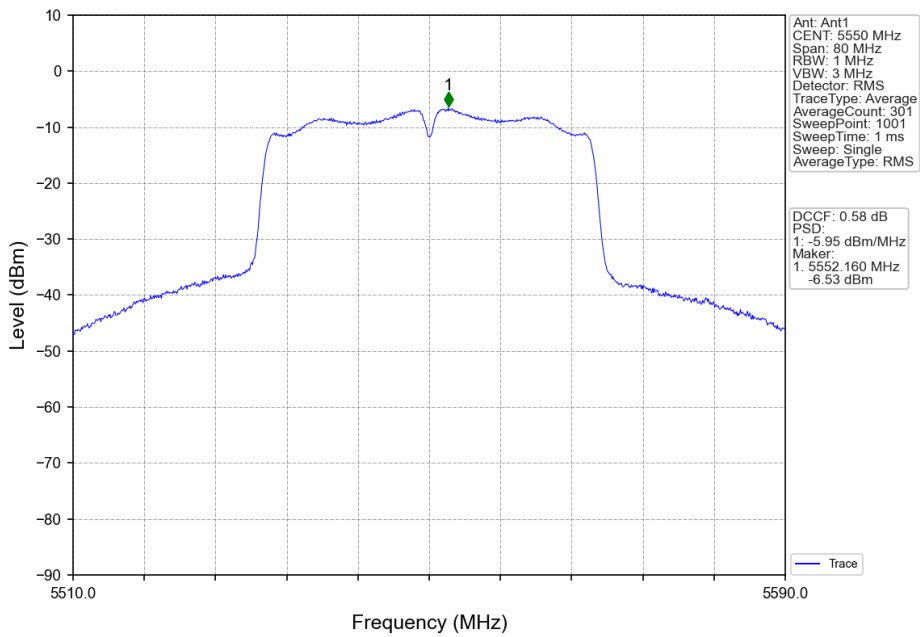
802.11n(HT20)\_HCH\_5700MHz\_Ant1\_NTNV

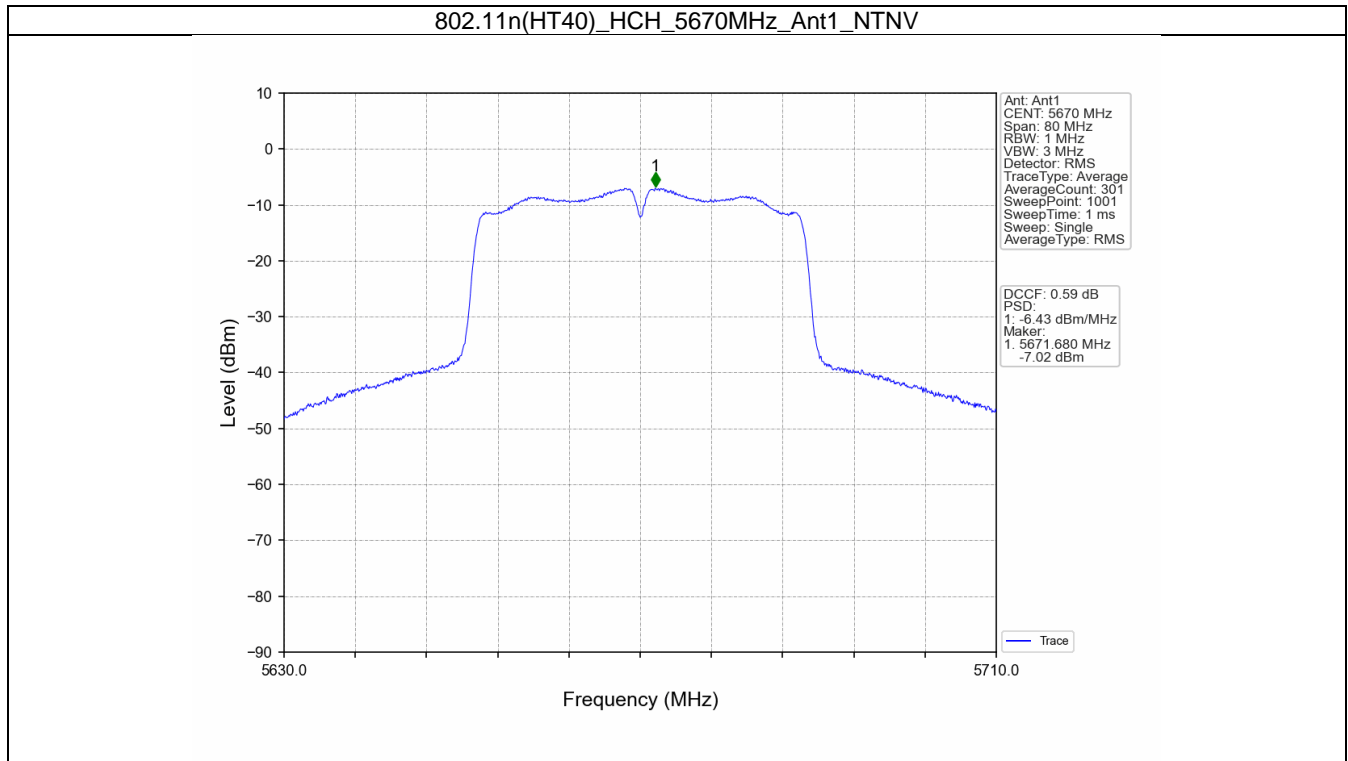


802.11n(HT40)\_LCH\_5510MHz\_Ant1\_NTNV



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	5499.944	5470 to 5725	Pass	
				120	5499.944	5470 to 5725	Pass	
				138	5499.944	5470 to 5725	Pass	
			-30	120	5499.944	5470 to 5725	Pass	
				-20	120	5499.945	5470 to 5725	Pass
					120	5499.945	5470 to 5725	Pass
			-10	120	5499.945	5470 to 5725	Pass	
				0	120	5499.945	5470 to 5725	Pass
					120	5499.945	5470 to 5725	Pass
			10	120	5499.945	5470 to 5725	Pass	
				30	120	5499.945	5470 to 5725	Pass
					120	5499.945	5470 to 5725	Pass
		40	120	5499.945	5470 to 5725	Pass		
			50	120	5499.945	5470 to 5725	Pass	
				120	5499.945	5470 to 5725	Pass	
		5580	20	5580	102	5579.945	5470 to 5725	Pass
					120	5579.945	5470 to 5725	Pass
					138	5579.944	5470 to 5725	Pass
			-30	120	5579.944	5470 to 5725	Pass	
				-20	120	5579.944	5470 to 5725	Pass
					120	5579.944	5470 to 5725	Pass
			-10	120	5579.944	5470 to 5725	Pass	
				0	120	5579.944	5470 to 5725	Pass
					120	5579.944	5470 to 5725	Pass
			10	120	5579.944	5470 to 5725	Pass	
				30	120	5579.944	5470 to 5725	Pass
					120	5579.944	5470 to 5725	Pass
		40	120	5579.944	5470 to 5725	Pass		
			50	120	5579.944	5470 to 5725	Pass	
				120	5579.944	5470 to 5725	Pass	
		5700	20	5700	102	5699.942	5470 to 5725	Pass
					120	5699.942	5470 to 5725	Pass
					138	5699.942	5470 to 5725	Pass
			-30	120	5699.942	5470 to 5725	Pass	
				-20	120	5699.942	5470 to 5725	Pass
					120	5699.942	5470 to 5725	Pass
			-10	120	5699.942	5470 to 5725	Pass	
				0	120	5699.942	5470 to 5725	Pass
					120	5699.942	5470 to 5725	Pass
			10	120	5699.942	5470 to 5725	Pass	
				30	120	5699.942	5470 to 5725	Pass
					120	5699.942	5470 to 5725	Pass
		40	120	5699.942	5470 to 5725	Pass		
			50	120	5699.942	5470 to 5725	Pass	
				120	5699.942	5470 to 5725	Pass	
		5510	20	5510	102	5509.944	5470 to 5725	Pass
					120	5509.944	5470 to 5725	Pass
					138	5509.944	5470 to 5725	Pass
-30	120		5509.944	5470 to 5725	Pass			
	-20		120	5509.944	5470 to 5725	Pass		
			120	5509.944	5470 to 5725	Pass		
-10	120		5509.944	5470 to 5725	Pass			
	0		120	5509.944	5470 to 5725	Pass		
			120	5509.944	5470 to 5725	Pass		
10	120		5509.944	5470 to 5725	Pass			
	30		120	5509.944	5470 to 5725	Pass		
			120	5509.944	5470 to 5725	Pass		
40	120	5509.944	5470 to 5725	Pass				
	50	120	5509.944	5470 to 5725	Pass			
		120	5509.944	5470 to 5725	Pass			
5550	20	5550	102	5549.944	5470 to 5725	Pass		
			120	5549.944	5470 to 5725	Pass		
			138	5549.944	5470 to 5725	Pass		
	-30	120	5549.944	5470 to 5725	Pass			
		120	5549.944	5470 to 5725	Pass			

			-10	120	5549.944	5470 to 5725	Pass
			0	120	5549.944	5470 to 5725	Pass
			10	120	5549.944	5470 to 5725	Pass
			30	120	5549.944	5470 to 5725	Pass
			40	120	5549.944	5470 to 5725	Pass
		50	120	5549.944	5470 to 5725	Pass	
		5670	20	102	5669.943	5470 to 5725	Pass
				120	5669.943	5470 to 5725	Pass
				138	5669.943	5470 to 5725	Pass
			-30	120	5669.943	5470 to 5725	Pass
			-20	120	5669.943	5470 to 5725	Pass
			-10	120	5669.943	5470 to 5725	Pass
			0	120	5669.943	5470 to 5725	Pass
			10	120	5669.943	5470 to 5725	Pass
			30	120	5669.943	5470 to 5725	Pass
			40	120	5669.943	5470 to 5725	Pass
			50	120	5669.943	5470 to 5725	Pass