

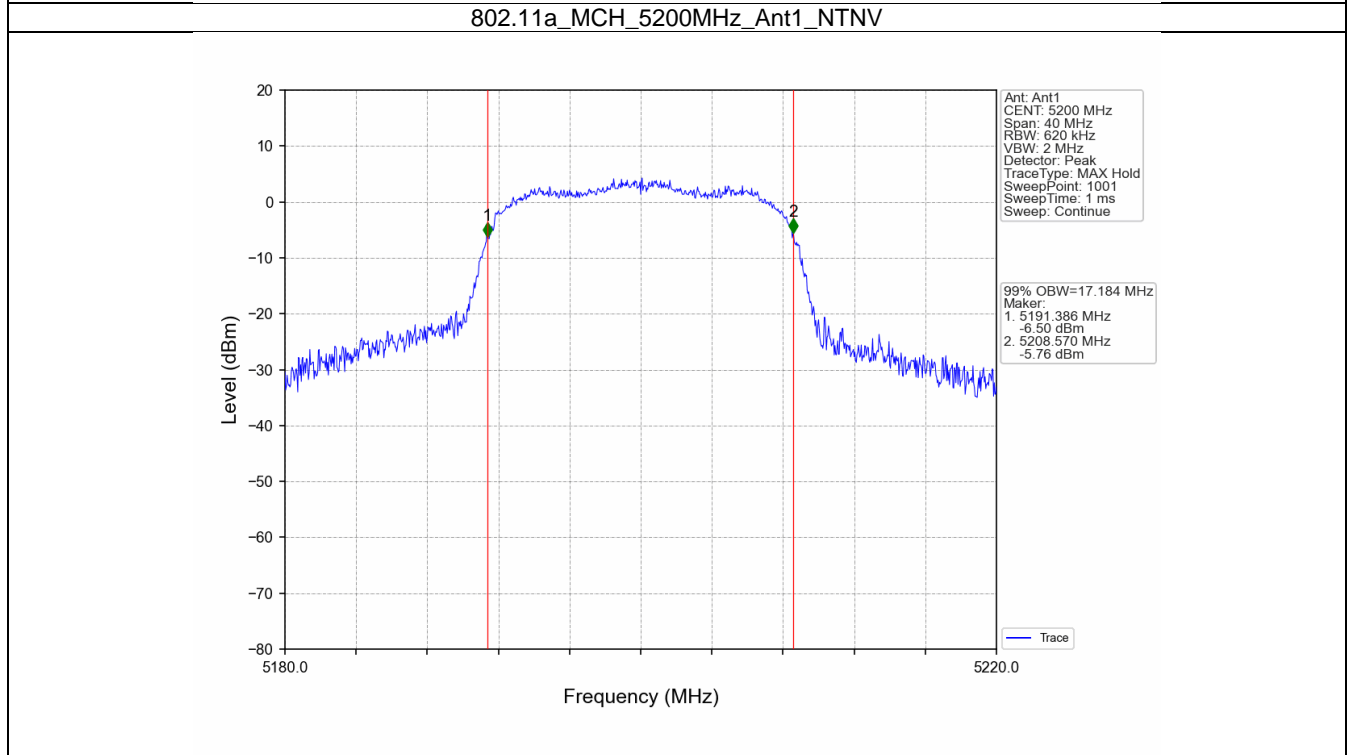
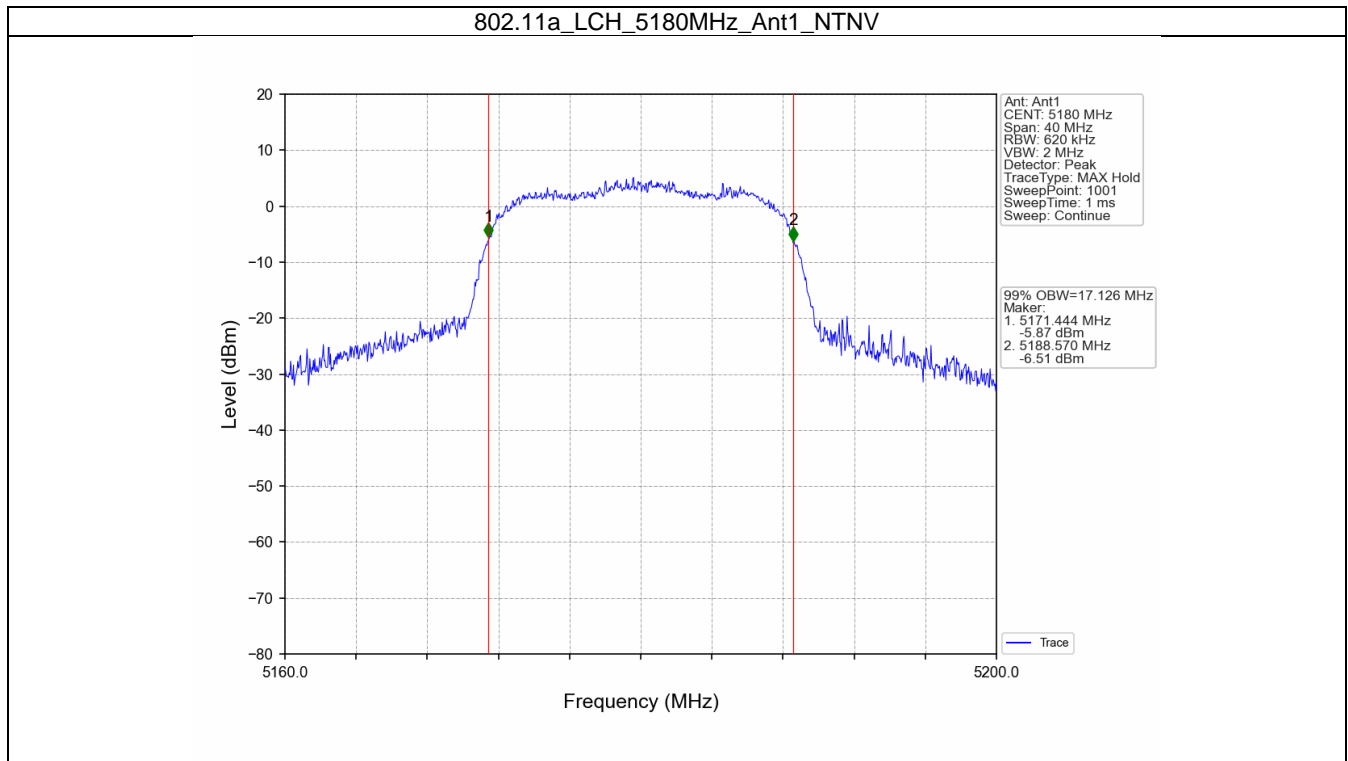
## 1. Bandwidth

### 1.1 OBW

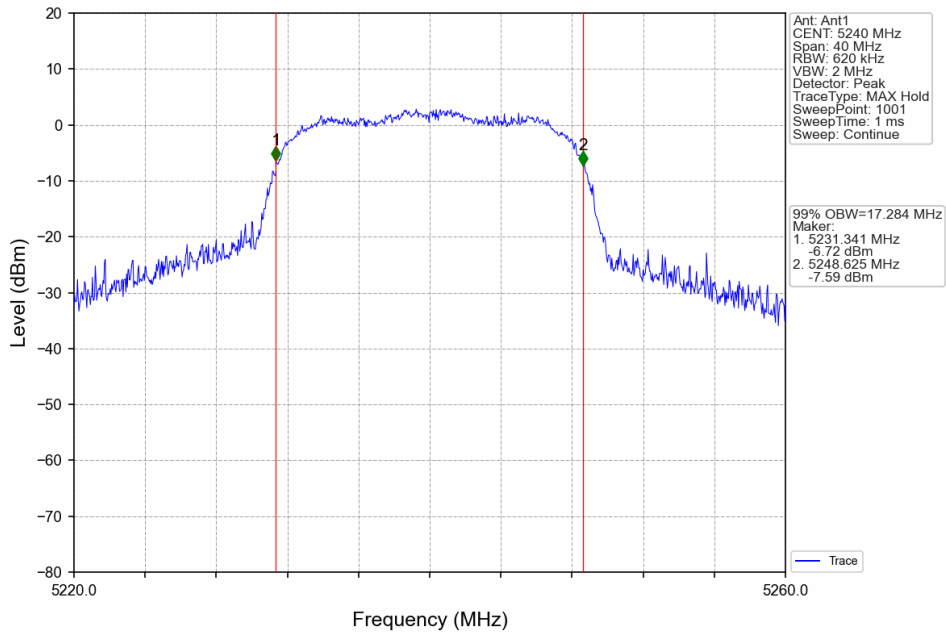
#### 1.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5180	1	17.126	/	Pass
		5200	1	17.184	/	Pass
		5240	1	17.284	/	Pass
802.11n (HT20)	SISO	5180	1	17.937	/	Pass
		5200	1	17.886	/	Pass
		5240	1	17.977	/	Pass
802.11n (HT40)	SISO	5190	1	36.519	/	Pass
		5230	1	36.586	/	Pass

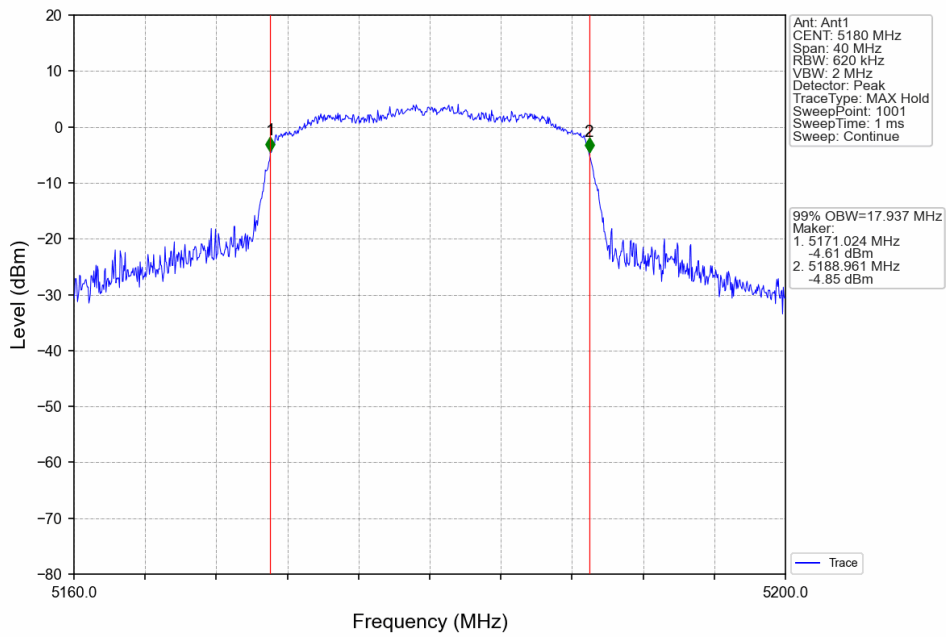
1.1.2 Test Graph



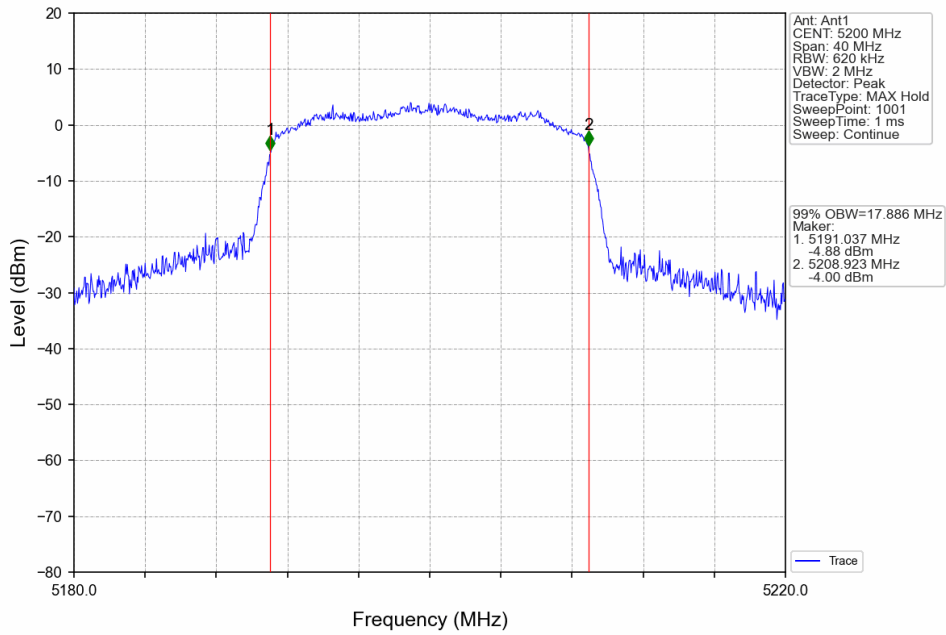
802.11a\_HCH\_5240MHz\_Ant1\_NTNV



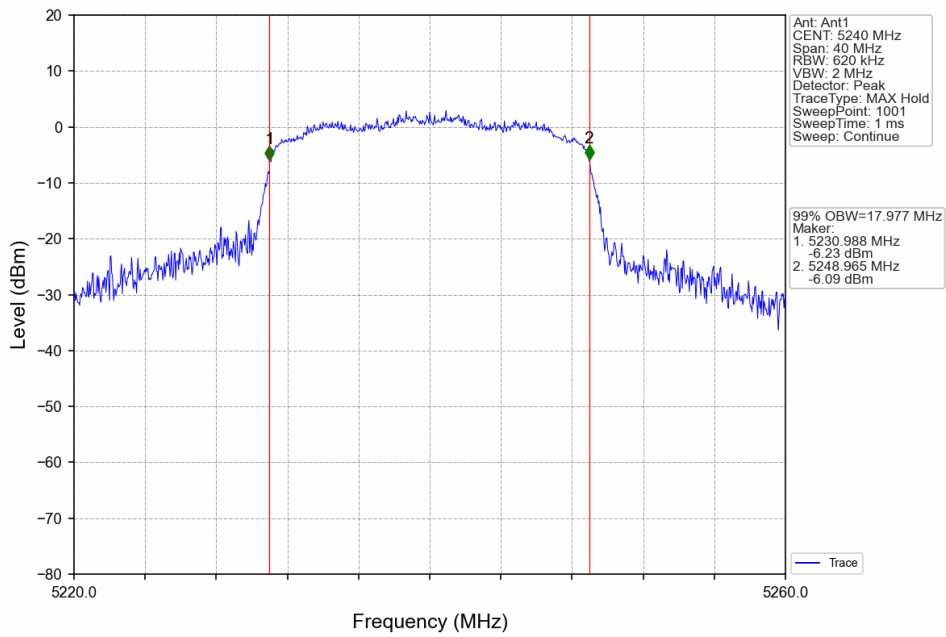
802.11n(HT20)\_LCH\_5180MHz\_Ant1\_NTNV



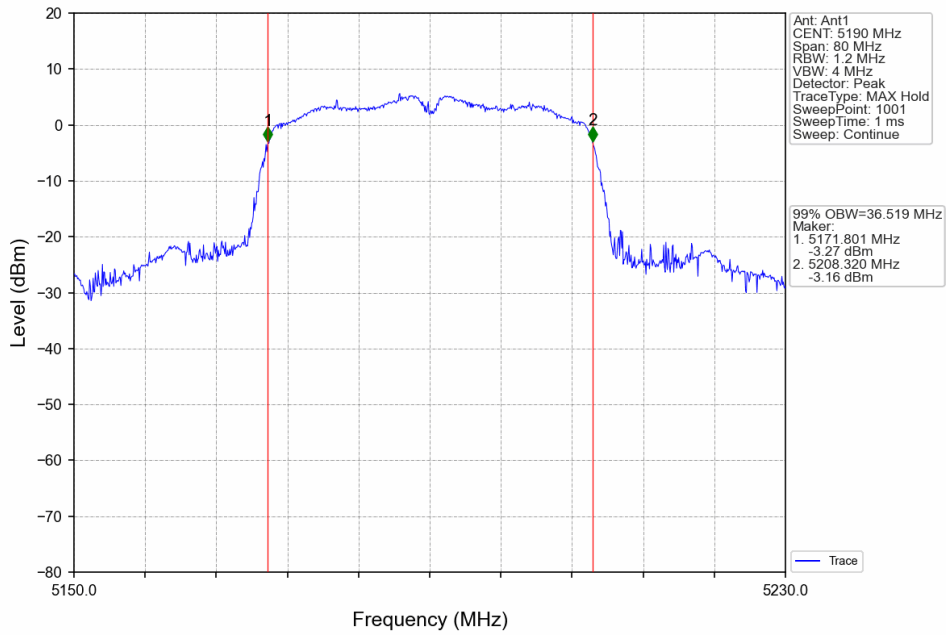
802.11n(HT20)\_MCH\_5200MHz\_Ant1\_NTNV



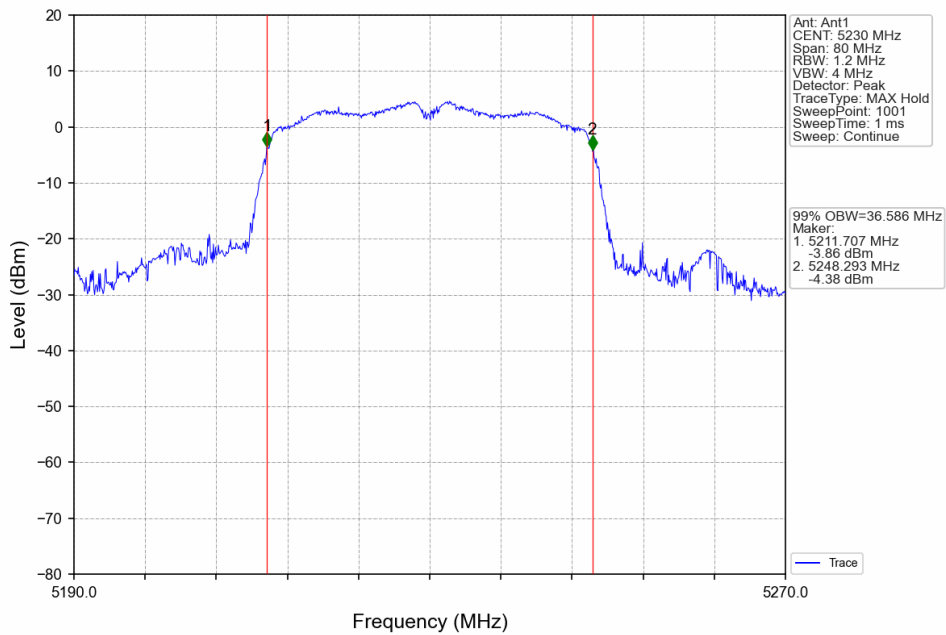
802.11n(HT20)\_HCH\_5240MHz\_Ant1\_NTNV



802.11n(HT40)\_LCH\_5190MHz\_Ant1\_NTNV



802.11n(HT40)\_HCH\_5230MHz\_Ant1\_NTNV

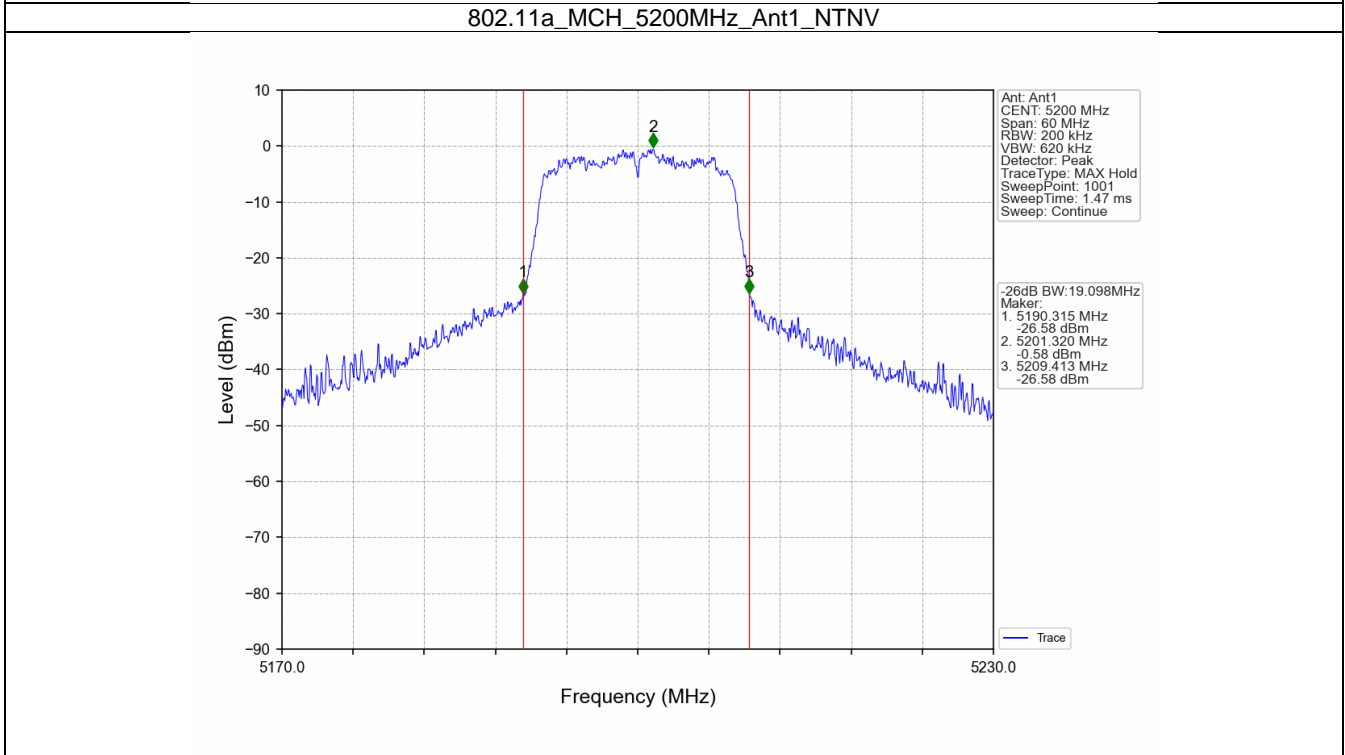
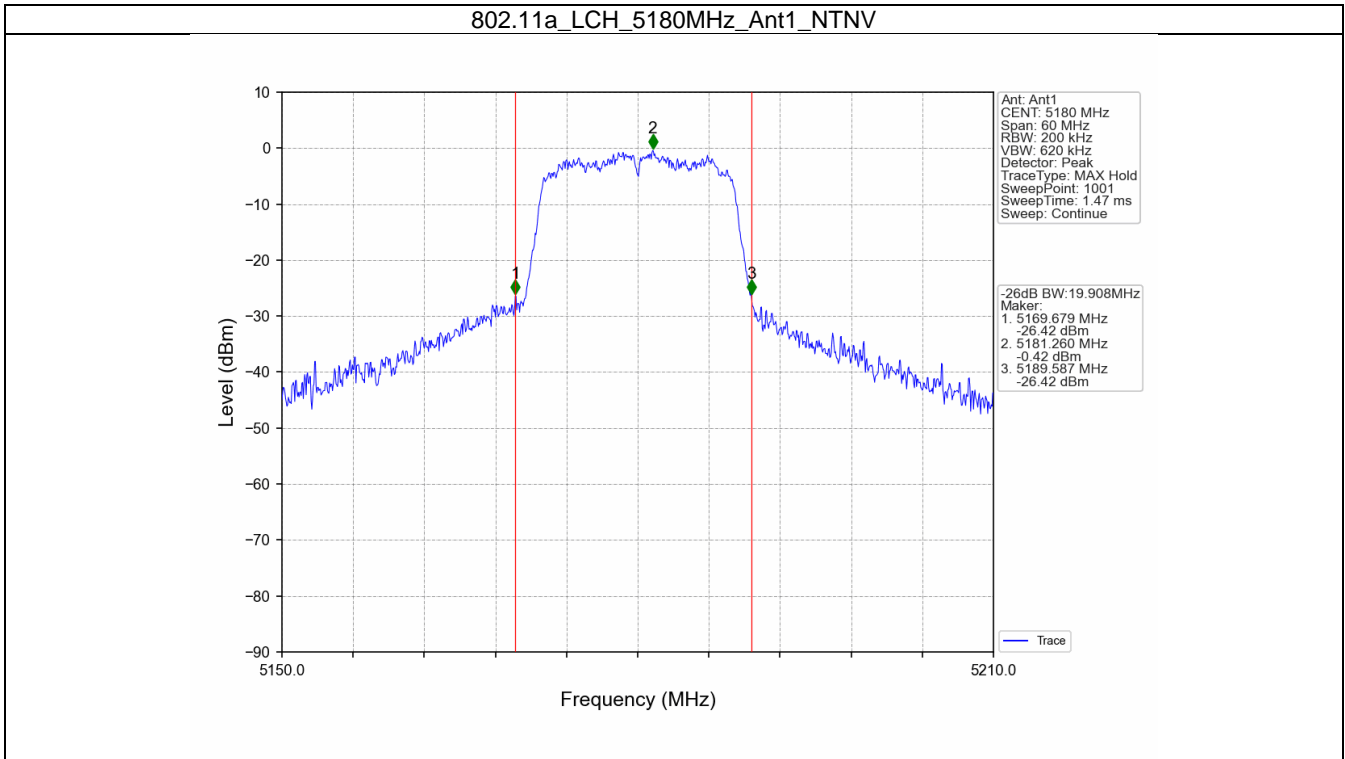


## 1.2 26dB BW

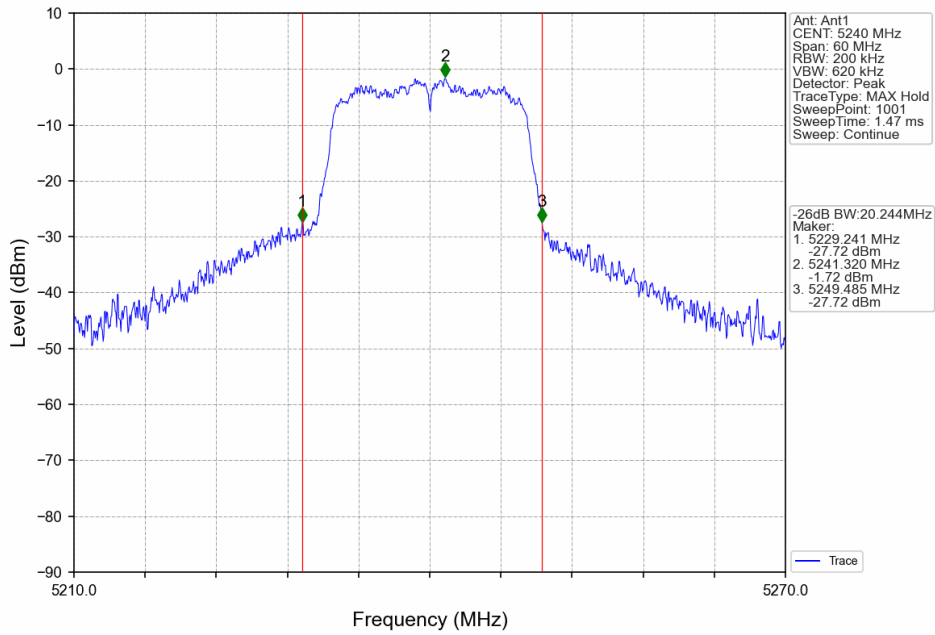
### 1.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	26dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5180	1	19.908	/	Pass
		5200	1	19.098	/	Pass
		5240	1	20.244	/	Pass
802.11n (HT20)	SISO	5180	1	20.187	/	Pass
		5200	1	19.238	/	Pass
		5240	1	20.851	/	Pass
802.11n (HT40)	SISO	5190	1	39.540	/	Pass
		5230	1	39.948	/	Pass

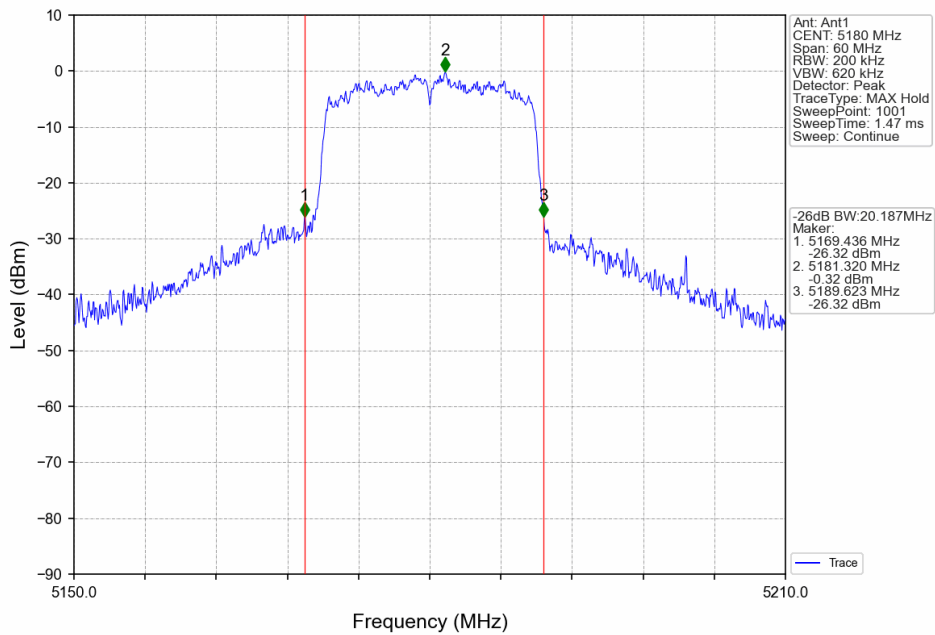
1.2.2 Test Graph



802.11a\_HCH\_5240MHz\_Ant1\_NTNV

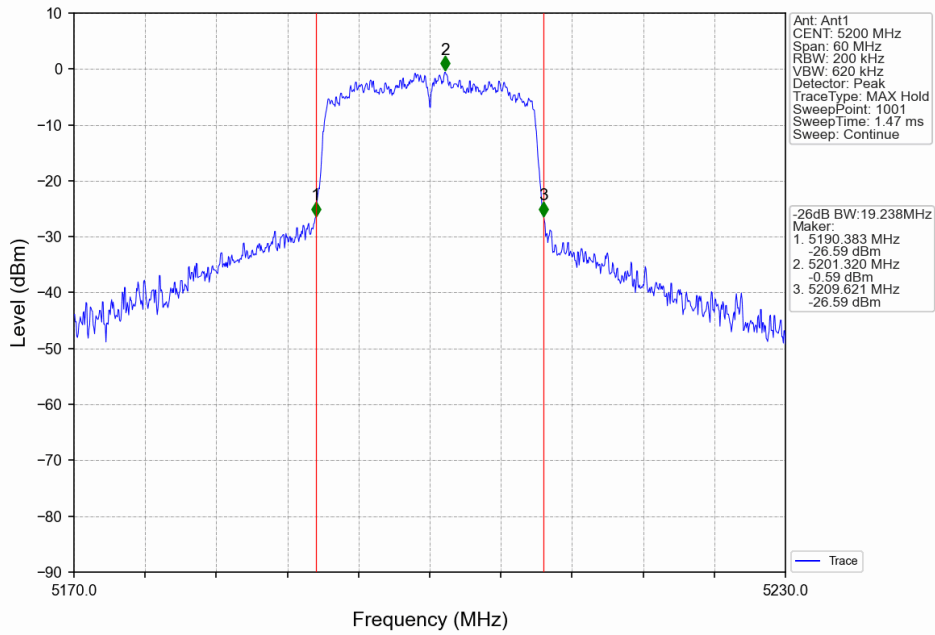


802.11n(HT20)\_LCH\_5180MHz\_Ant1\_NTNV

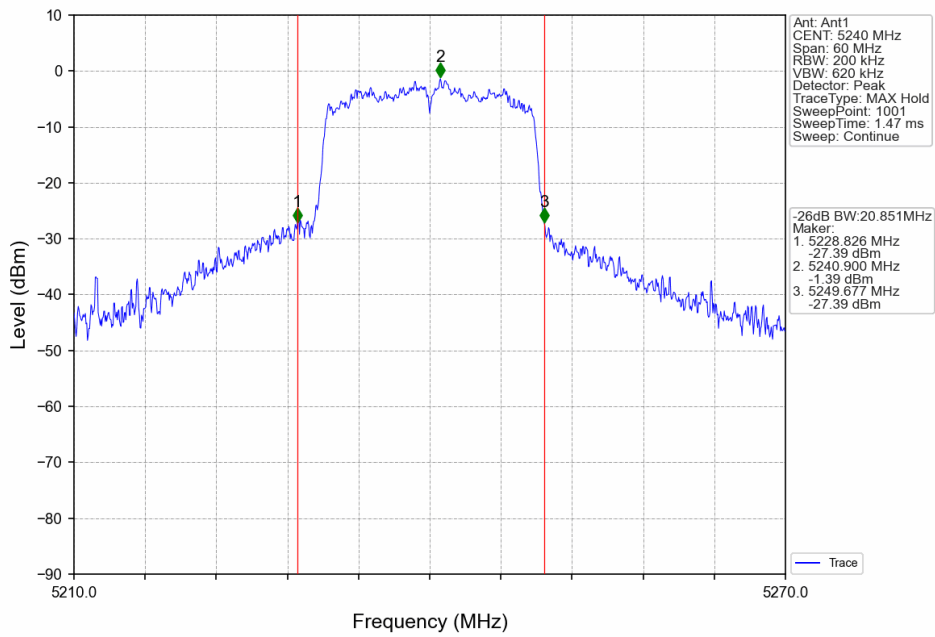




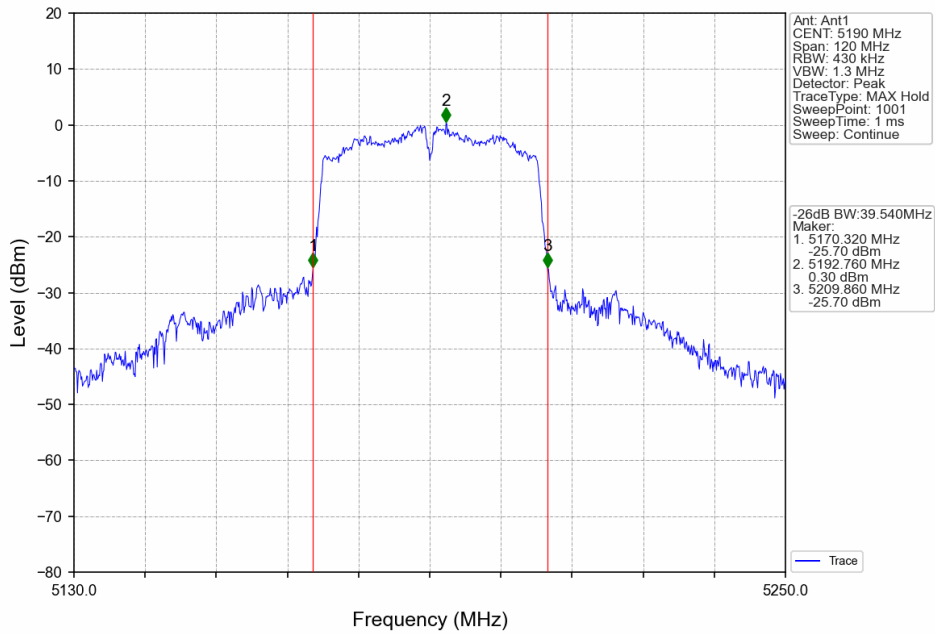
802.11n(HT20)\_MCH\_5200MHz\_Ant1\_NTNV



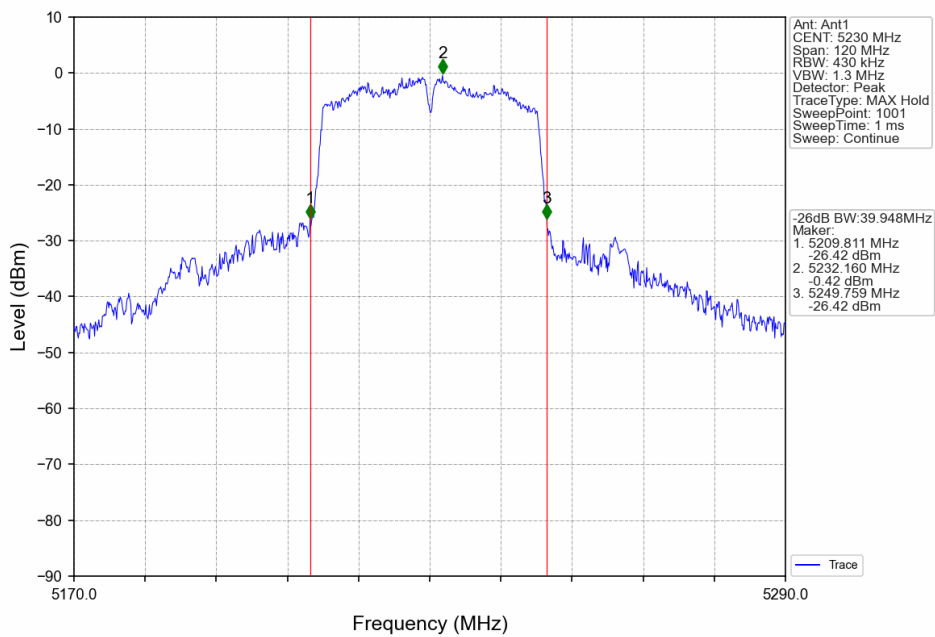
802.11n(HT20)\_HCH\_5240MHz\_Ant1\_NTNV



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	8.69	<=23.98	Pass
		5200	8.43	<=23.98	Pass
		5240	7.42	<=23.98	Pass
802.11n (HT20)	SISO	5180	8.65	<=23.98	Pass
		5200	8.28	<=23.98	Pass
		5240	7.25	<=23.98	Pass
802.11n (HT40)	SISO	5190	8.76	<=23.98	Pass
		5230	8.18	<=23.98	Pass

Note1: Antenna Gain: Ant1: 3.46dBi;

### 3. Maximum Power Spectral Density

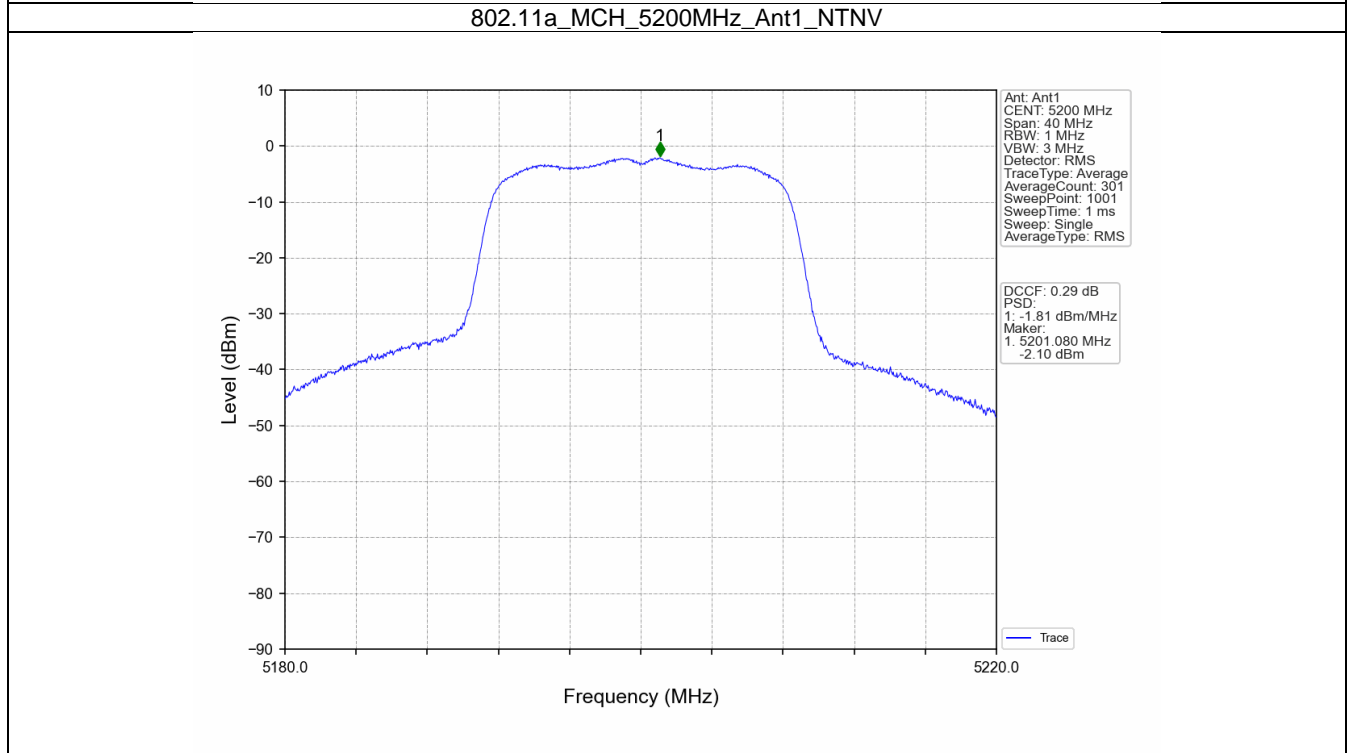
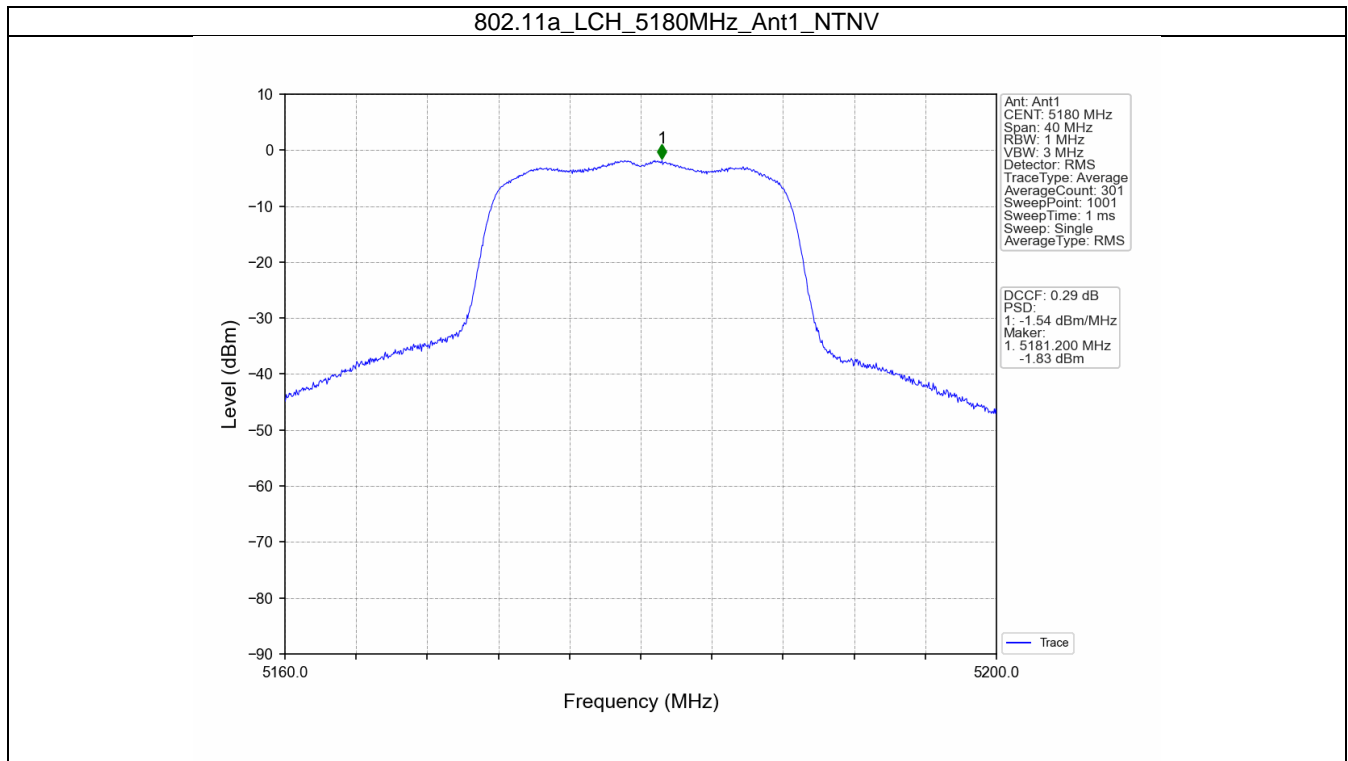
#### 3.1 PSD

##### 3.1.1 Test Result

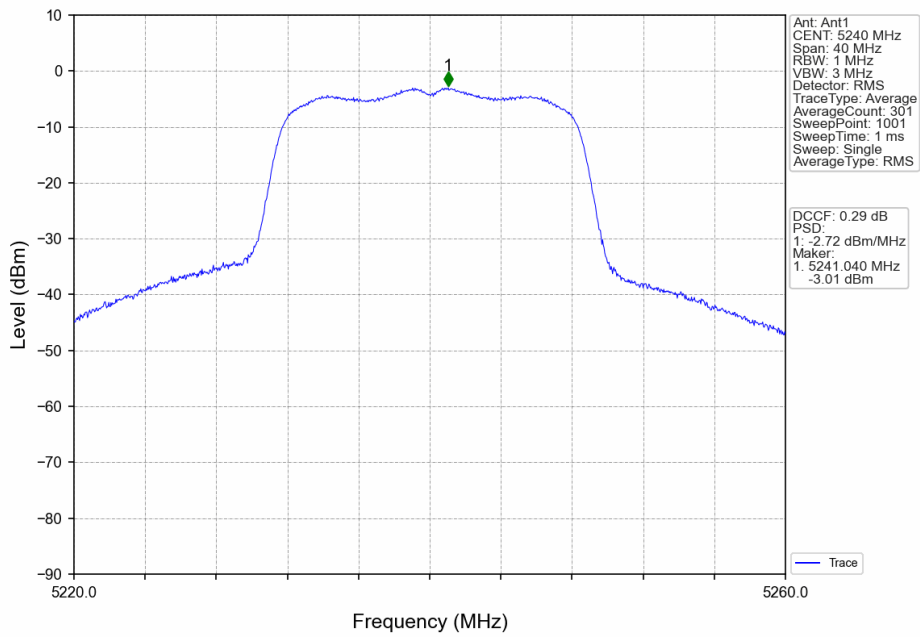
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/MHz)		Verdict
			ANT1	Limit	
802.11a	SISO	5180	-1.54	<=11	Pass
		5200	-1.81	<=11	Pass
		5240	-2.72	<=11	Pass
802.11n (HT20)	SISO	5180	-1.55	<=11	Pass
		5200	-1.91	<=11	Pass
		5240	-3.21	<=11	Pass
802.11n (HT40)	SISO	5190	-3.99	<=11	Pass
		5230	-4.64	<=11	Pass

Note1: Antenna Gain: Ant1: 3.46dBi;

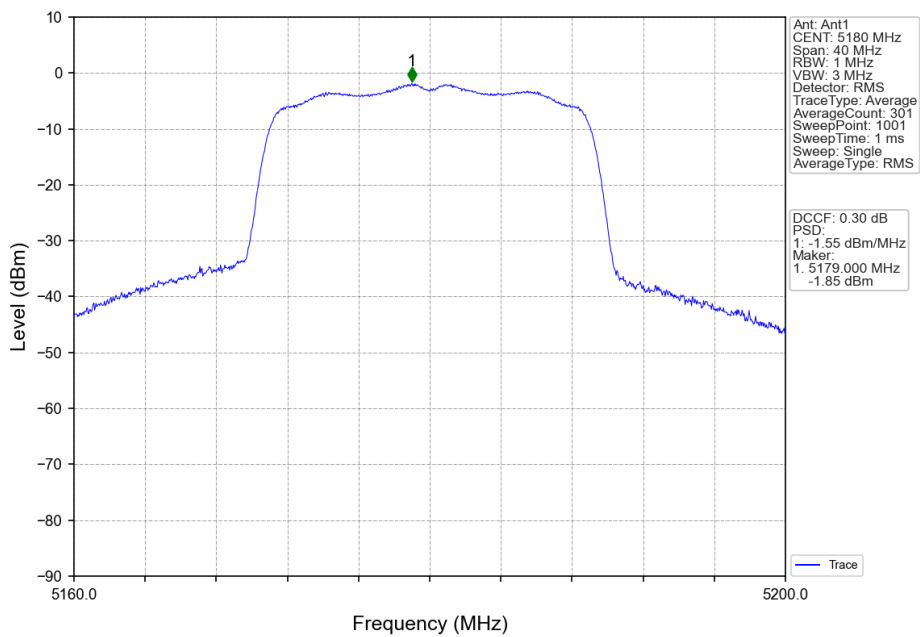
3.1.2 Test Graph



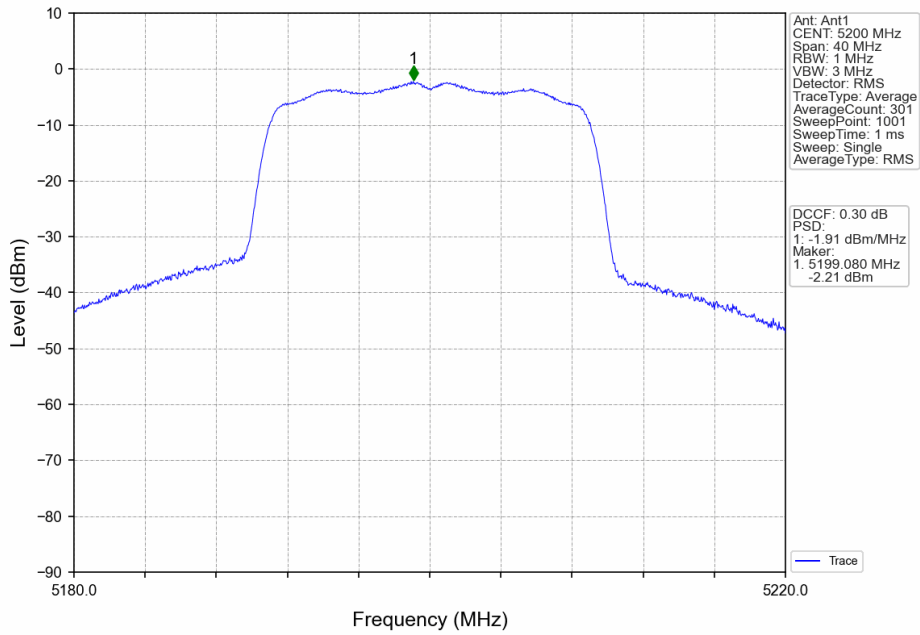
802.11a\_HCH\_5240MHz\_Ant1\_NTNV



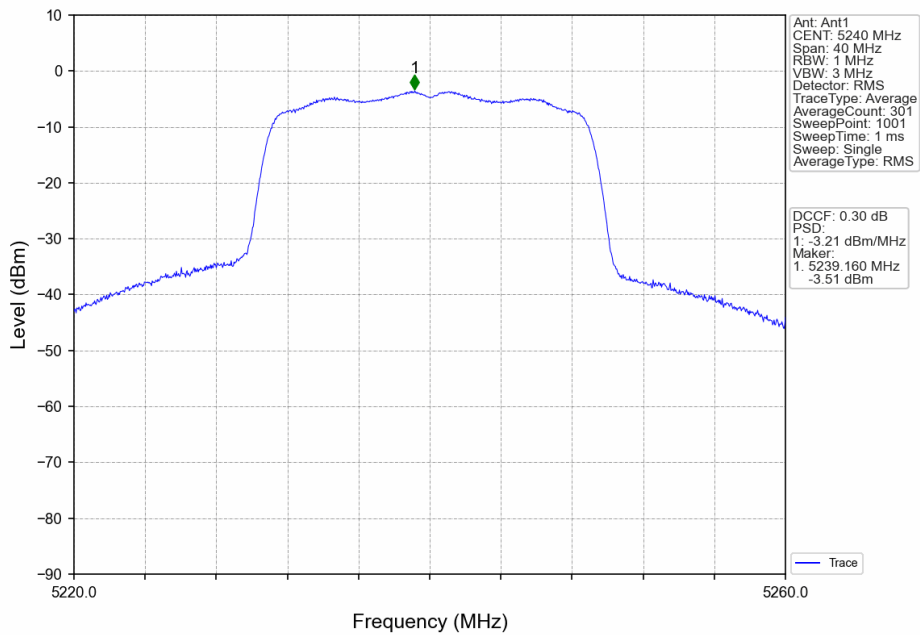
802.11n(HT20)\_LCH\_5180MHz\_Ant1\_NTNV



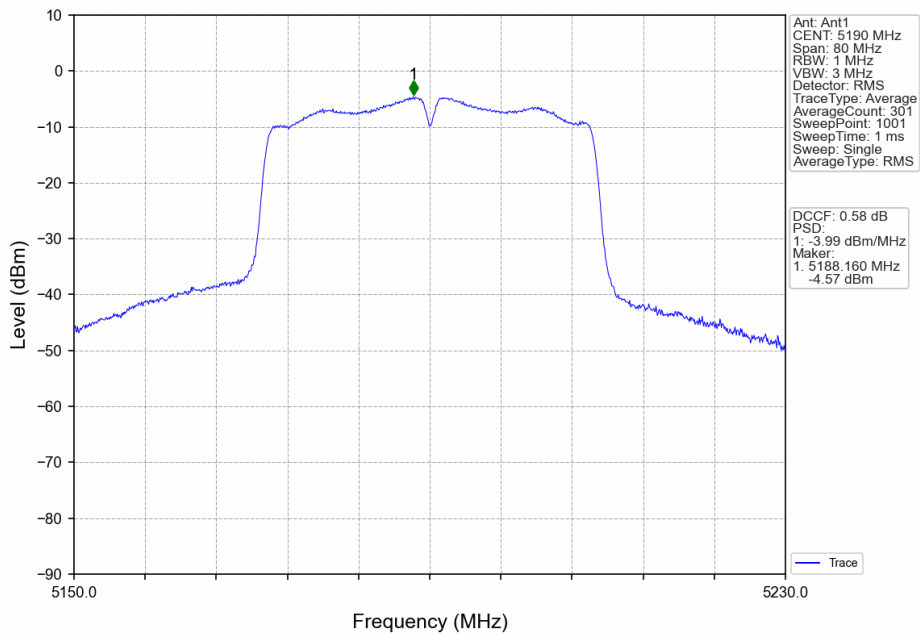
802.11n(HT20)\_MCH\_5200MHz\_Ant1\_NTNV



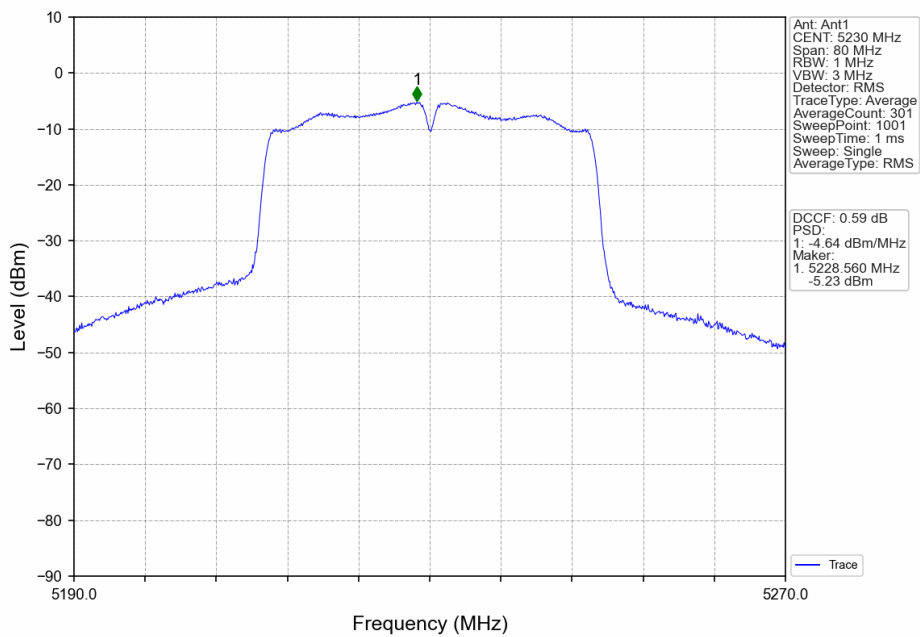
802.11n(HT20)\_HCH\_5240MHz\_Ant1\_NTNV



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	5179.978	5150 to 5250	Pass	
				120	5179.978	5150 to 5250	Pass	
				138	5179.978	5150 to 5250	Pass	
			-30	120	5179.978	5150 to 5250	Pass	
				-20	120	5179.978	5150 to 5250	Pass
					120	5179.978	5150 to 5250	Pass
			-10	120	5179.978	5150 to 5250	Pass	
				120	5179.978	5150 to 5250	Pass	
			0	120	5179.978	5150 to 5250	Pass	
		120		5179.978	5150 to 5250	Pass		
		10	120	5179.978	5150 to 5250	Pass		
			120	5179.978	5150 to 5250	Pass		
		30	120	5179.978	5150 to 5250	Pass		
			120	5179.978	5150 to 5250	Pass		
		40	120	5179.978	5150 to 5250	Pass		
			120	5179.978	5150 to 5250	Pass		
		50	120	5179.978	5150 to 5250	Pass		
			120	5179.978	5150 to 5250	Pass		
		5200	20	5200	102	5199.978	5150 to 5250	Pass
					120	5199.978	5150 to 5250	Pass
					138	5199.978	5150 to 5250	Pass
			-30	120	5199.978	5150 to 5250	Pass	
				-20	120	5199.978	5150 to 5250	Pass
					120	5199.978	5150 to 5250	Pass
			-10	120	5199.978	5150 to 5250	Pass	
				120	5199.978	5150 to 5250	Pass	
			0	120	5199.978	5150 to 5250	Pass	
		120		5199.978	5150 to 5250	Pass		
		10	120	5199.978	5150 to 5250	Pass		
			120	5199.978	5150 to 5250	Pass		
		30	120	5199.978	5150 to 5250	Pass		
			120	5199.978	5150 to 5250	Pass		
		40	120	5199.978	5150 to 5250	Pass		
			120	5199.978	5150 to 5250	Pass		
		50	120	5199.978	5150 to 5250	Pass		
			120	5199.978	5150 to 5250	Pass		
		5240	20	5240	102	5239.978	5150 to 5250	Pass
					120	5239.978	5150 to 5250	Pass
					138	5239.978	5150 to 5250	Pass
			-30	120	5239.978	5150 to 5250	Pass	
				-20	120	5239.978	5150 to 5250	Pass
					120	5239.978	5150 to 5250	Pass
			-10	120	5239.978	5150 to 5250	Pass	
				120	5239.978	5150 to 5250	Pass	
			0	120	5239.978	5150 to 5250	Pass	
120	5239.978	5150 to 5250		Pass				
10	120	5239.978	5150 to 5250	Pass				
	120	5239.978	5150 to 5250	Pass				
30	120	5239.978	5150 to 5250	Pass				
	120	5239.978	5150 to 5250	Pass				
40	120	5239.978	5150 to 5250	Pass				
	120	5239.978	5150 to 5250	Pass				
50	120	5239.978	5150 to 5250	Pass				
	120	5239.978	5150 to 5250	Pass				
5190	20	5190	102	5189.978	5150 to 5250	Pass		
			120	5189.978	5150 to 5250	Pass		
			138	5189.978	5150 to 5250	Pass		
	-30	120	5189.978	5150 to 5250	Pass			
		-20	120	5189.978	5150 to 5250	Pass		
			120	5189.978	5150 to 5250	Pass		
	-10	120	5189.978	5150 to 5250	Pass			
		120	5189.978	5150 to 5250	Pass			
	0	120	5189.978	5150 to 5250	Pass			
120		5189.978	5150 to 5250	Pass				
10	120	5189.978	5150 to 5250	Pass				
	120	5189.978	5150 to 5250	Pass				
30	120	5189.978	5150 to 5250	Pass				
	120	5189.978	5150 to 5250	Pass				
40	120	5189.978	5150 to 5250	Pass				
	120	5189.978	5150 to 5250	Pass				
50	120	5189.978	5150 to 5250	Pass				
	120	5189.978	5150 to 5250	Pass				
5230	20	5230	102	5229.978	5150 to 5250	Pass		
			120	5229.978	5150 to 5250	Pass		

			138	5229.978	5150 to 5250	Pass	
			-30	120	5229.978	5150 to 5250	Pass
			-20	120	5229.978	5150 to 5250	Pass
			-10	120	5229.978	5150 to 5250	Pass
			0	120	5229.978	5150 to 5250	Pass
			10	120	5229.978	5150 to 5250	Pass
			30	120	5229.978	5150 to 5250	Pass
			40	120	5229.978	5150 to 5250	Pass
			50	120	5229.978	5150 to 5250	Pass