

### 3. Maximum Conducted Output Power

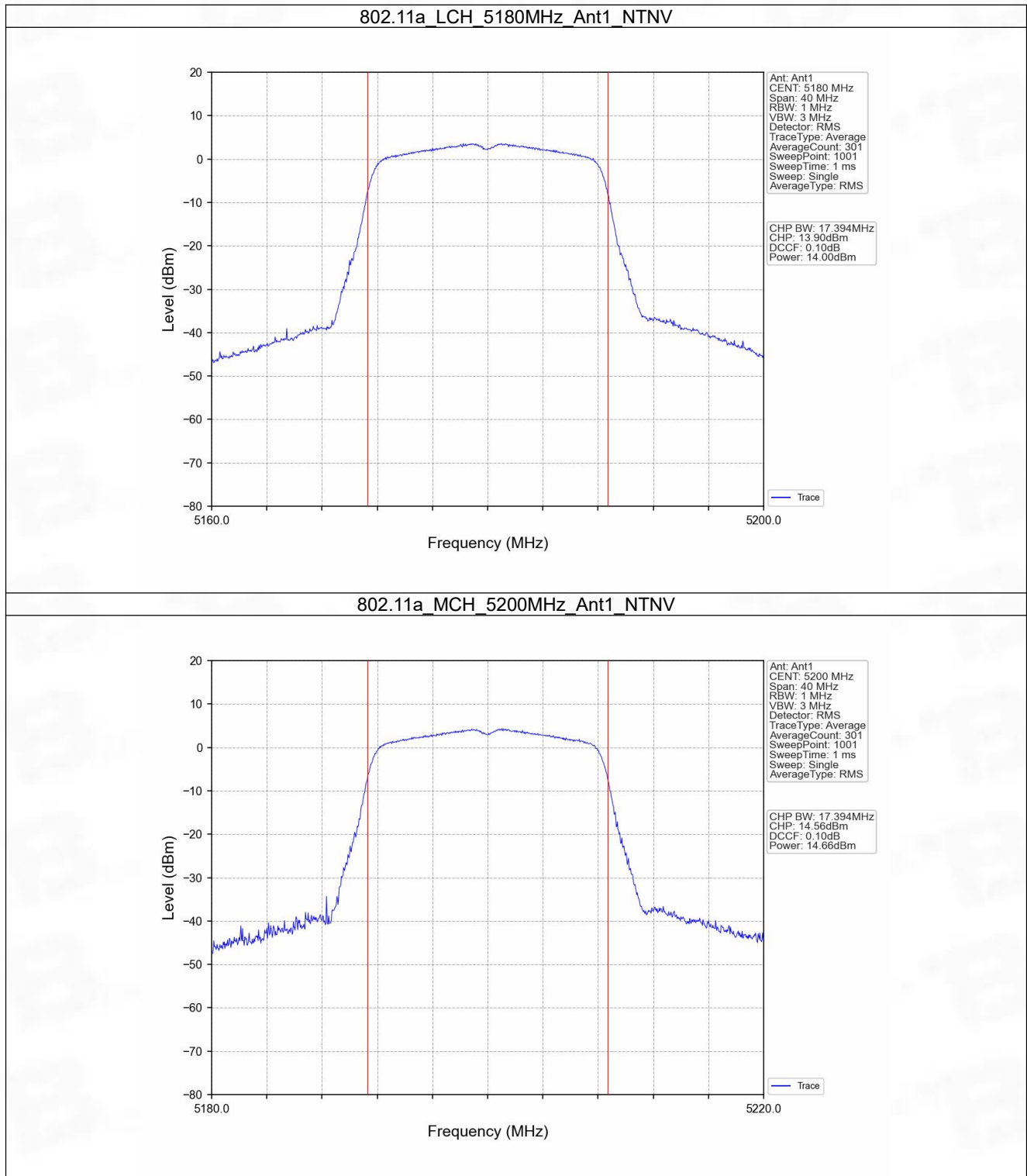
#### 3.1 Power

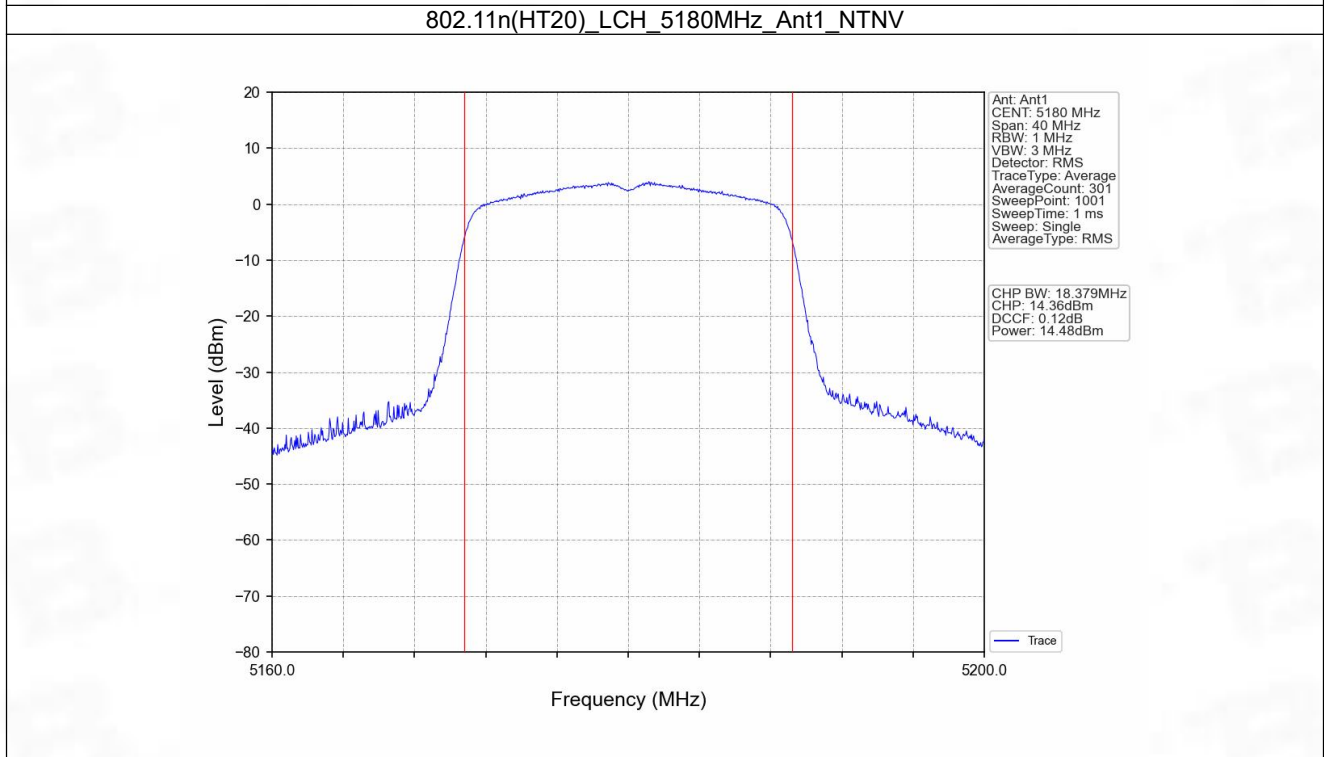
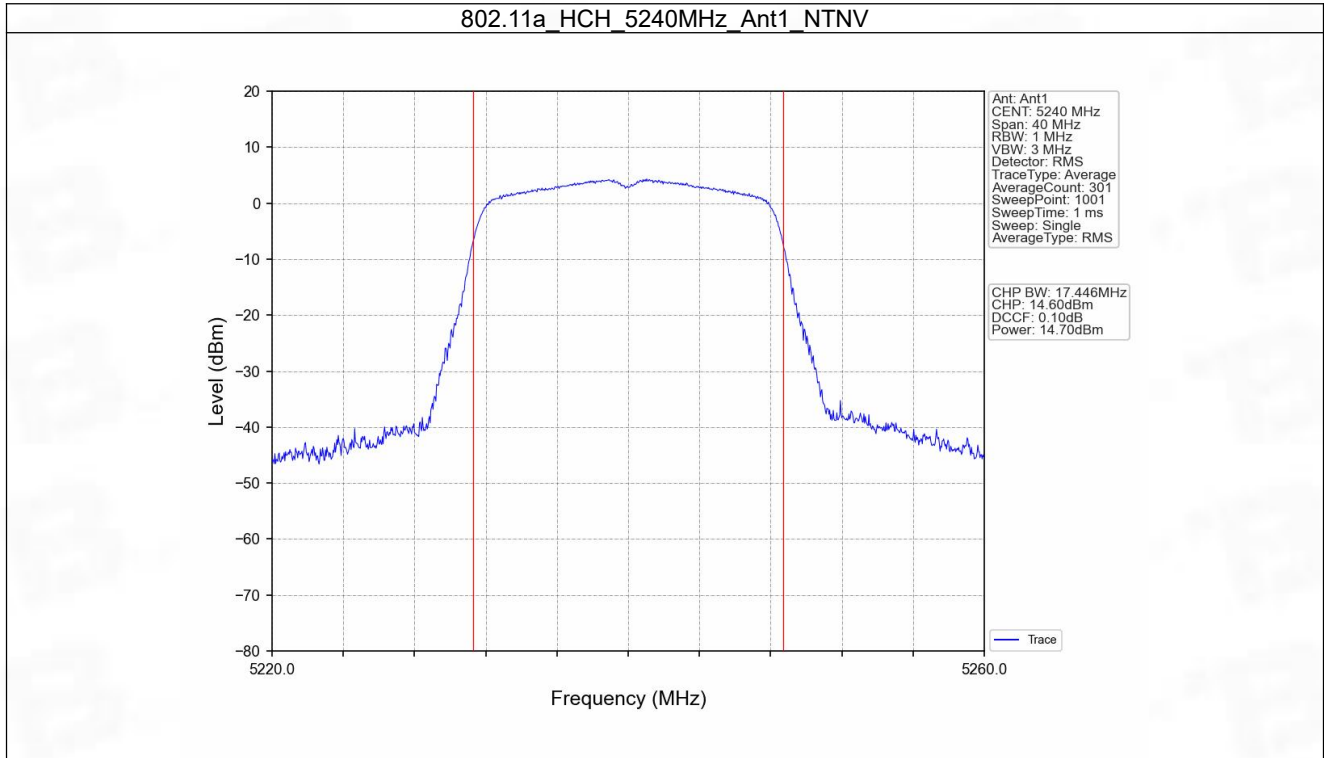
##### 3.1.1 Test Result

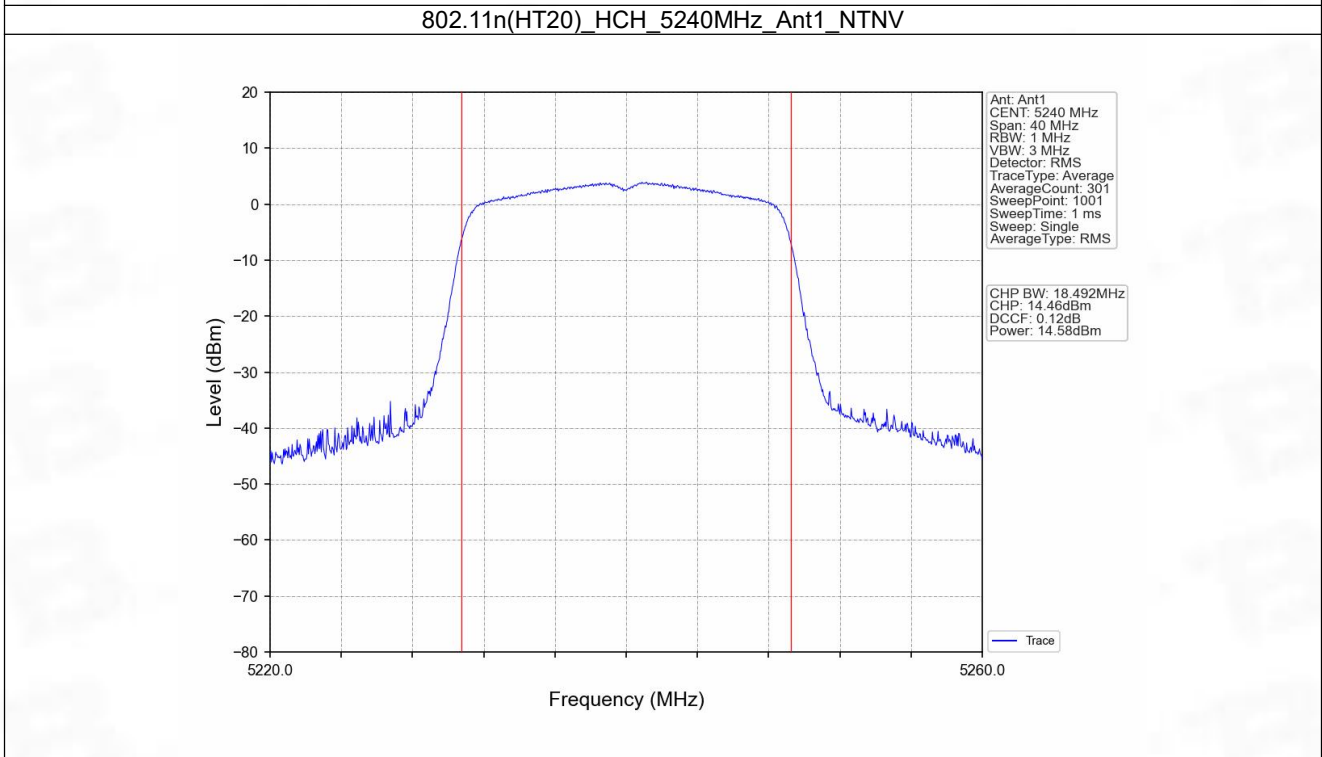
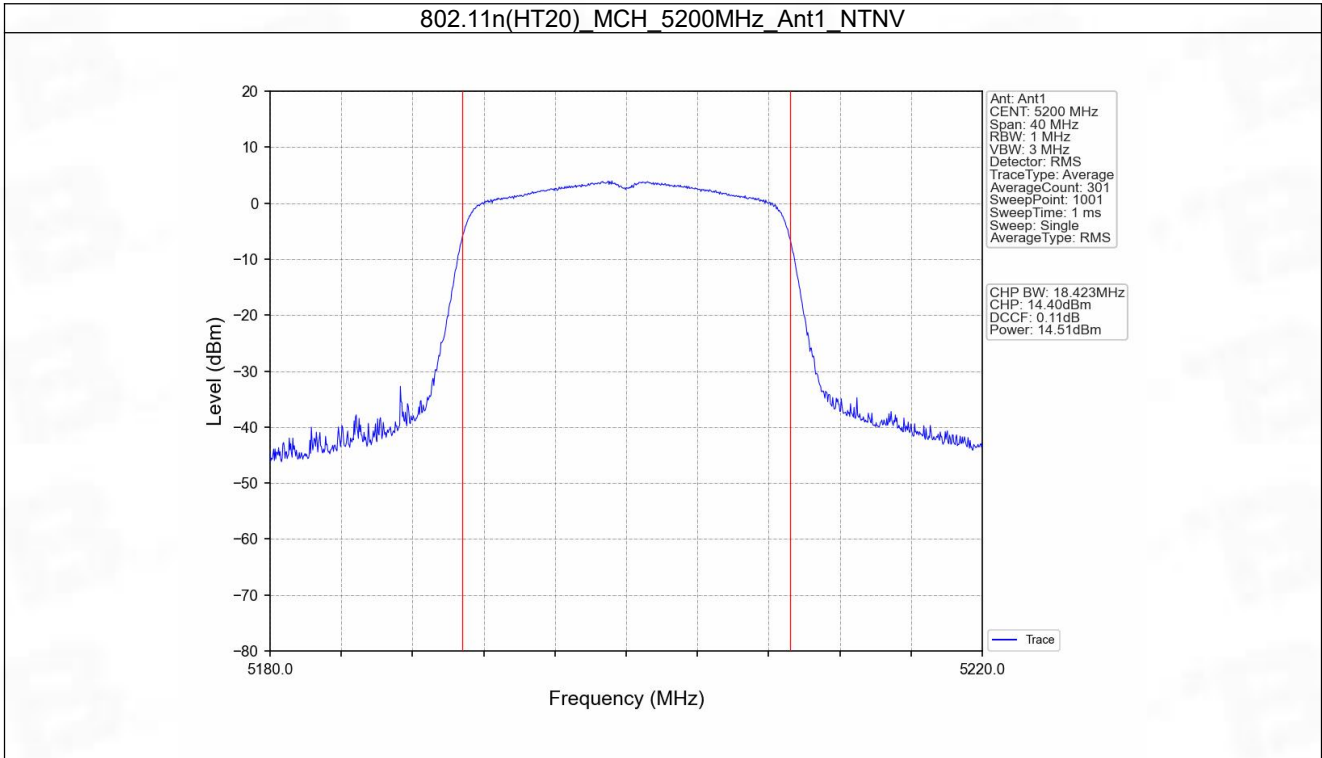
Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
802.11a	SISO	5180	14.00	<=30	Pass
		5200	14.66	<=30	Pass
		5240	14.70	<=30	Pass
802.11n (HT20)	SISO	5180	14.48	<=30	Pass
		5200	14.51	<=30	Pass
		5240	14.58	<=30	Pass
802.11n (HT40)	SISO	5190	14.68	<=30	Pass
		5230	14.76	<=30	Pass
802.11ac (VHT20)	SISO	5180	14.50	<=30	Pass
		5200	14.48	<=30	Pass
		5240	14.61	<=30	Pass
802.11ac (VHT40)	SISO	5190	14.70	<=30	Pass
		5230	14.73	<=30	Pass
802.11ac (VHT80)	SISO	5210	14.77	<=30	Pass

Note1: Antenna Gain: Ant1: 0.00dBi;

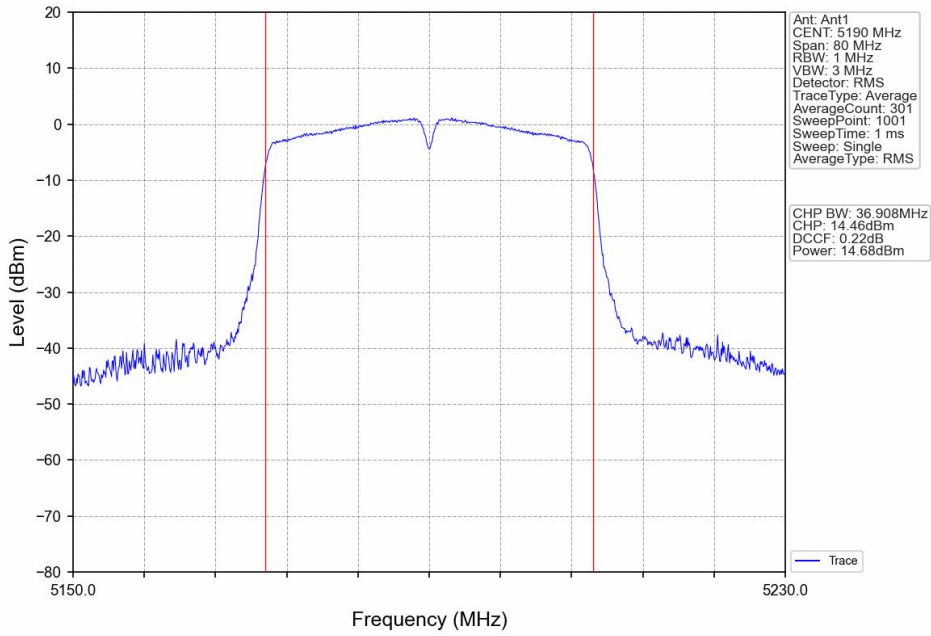
### 3.1.2 Test Graph



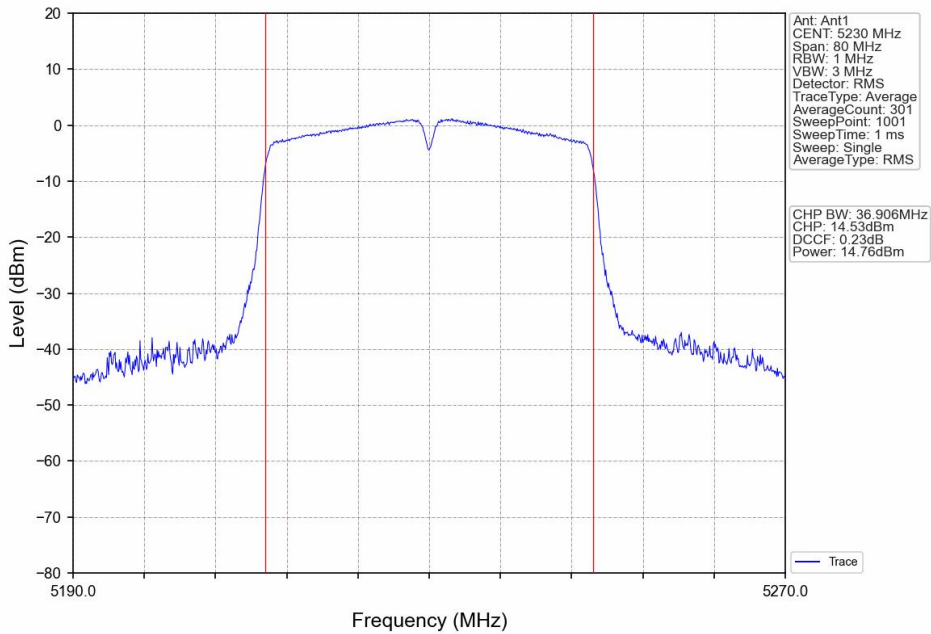


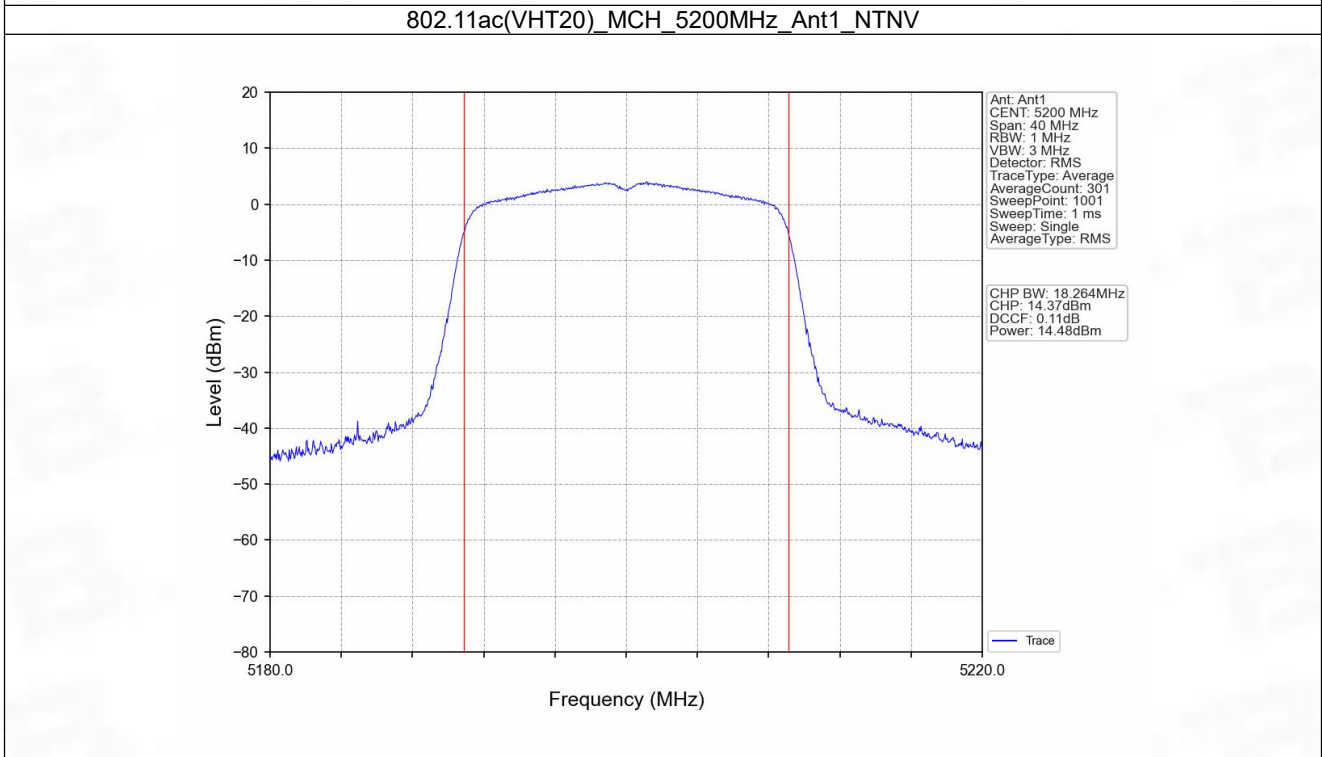
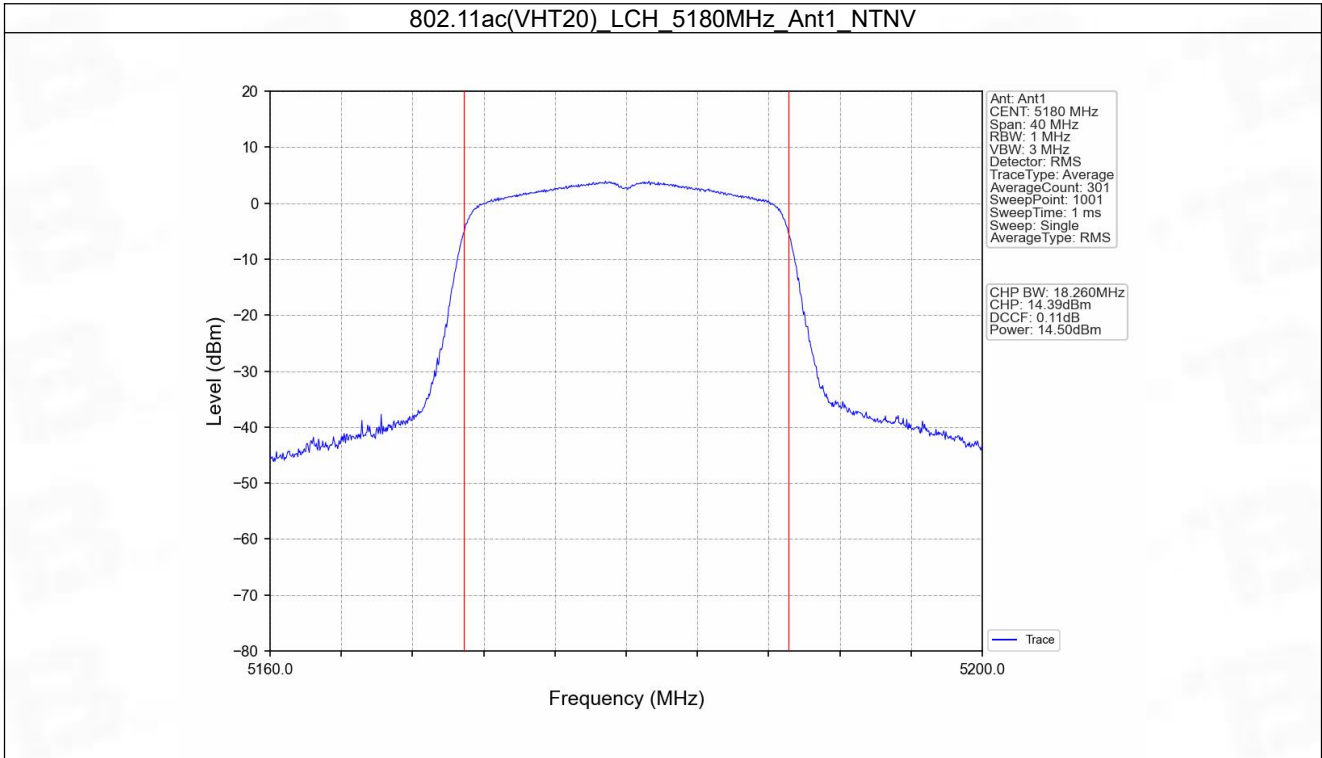


802.11n(HT40)\_LCH\_5190MHz\_Ant1\_NTNV

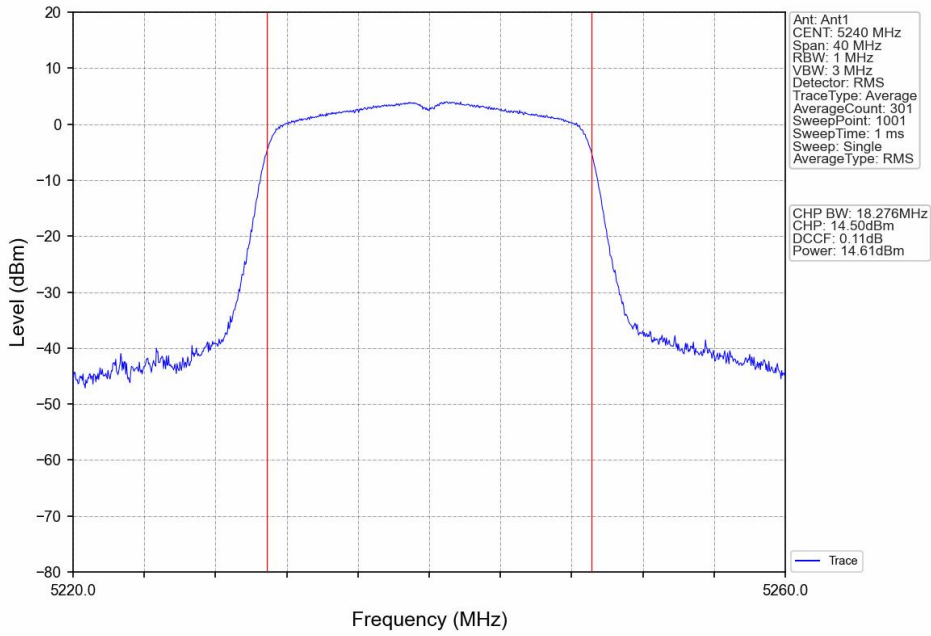


802.11n(HT40)\_HCH\_5230MHz\_Ant1\_NTNV

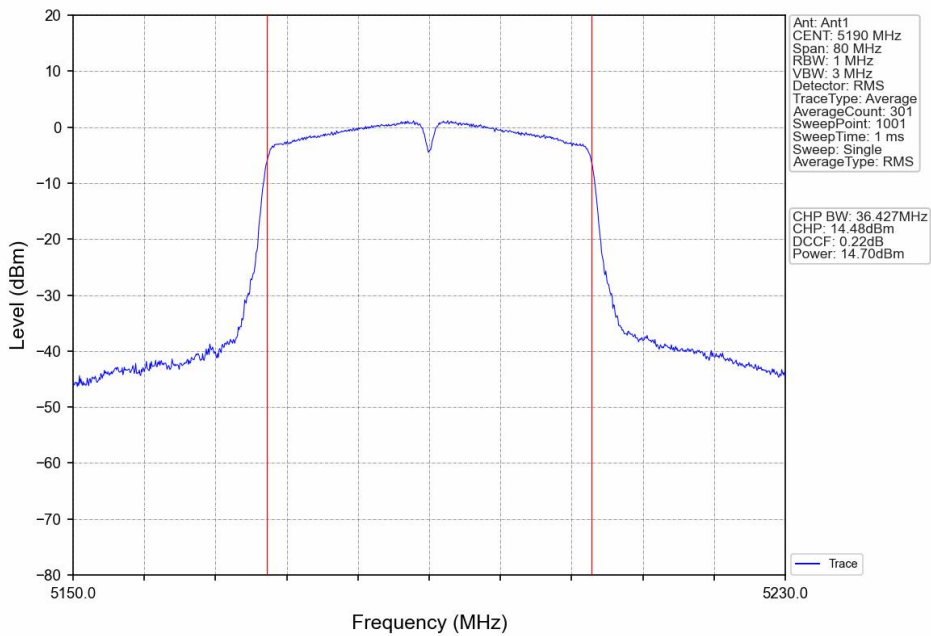




802.11ac(VHT20)\_HCH\_5240MHz\_Ant1\_NTNV

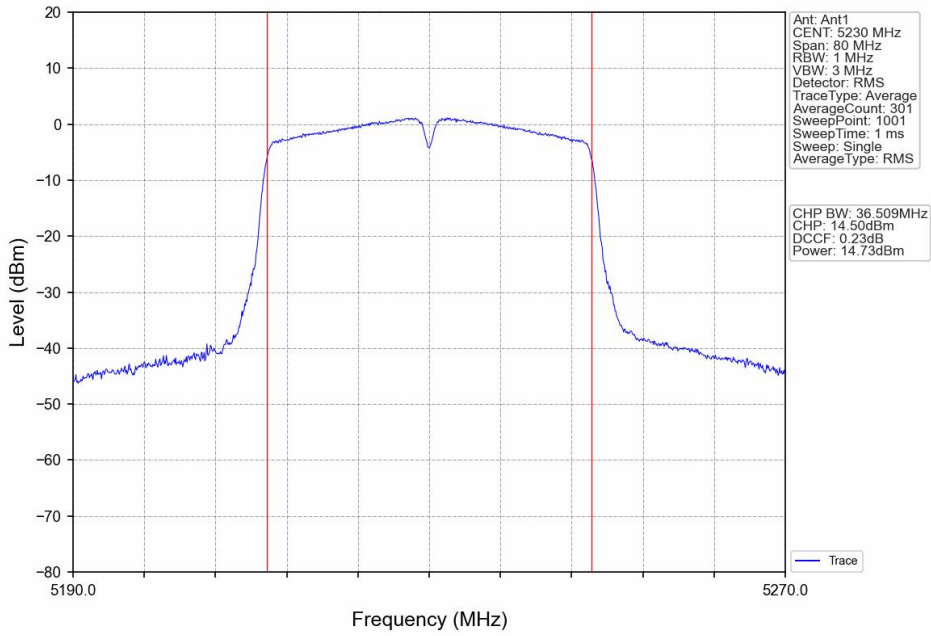


802.11ac(VHT40)\_LCH\_5190MHz\_Ant1\_NTNV

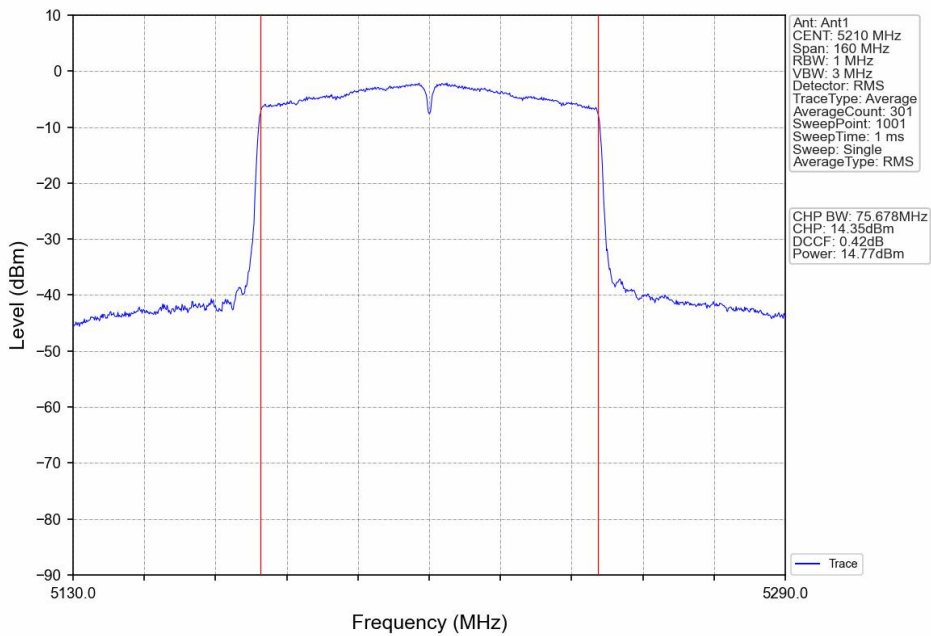




802.11ac(VHT40)\_HCH\_5230MHz\_Ant1\_NTNV



802.11ac(VHT80)\_MCH\_5210MHz\_Ant1\_NTNV



## 4. Maximum Power Spectral Density

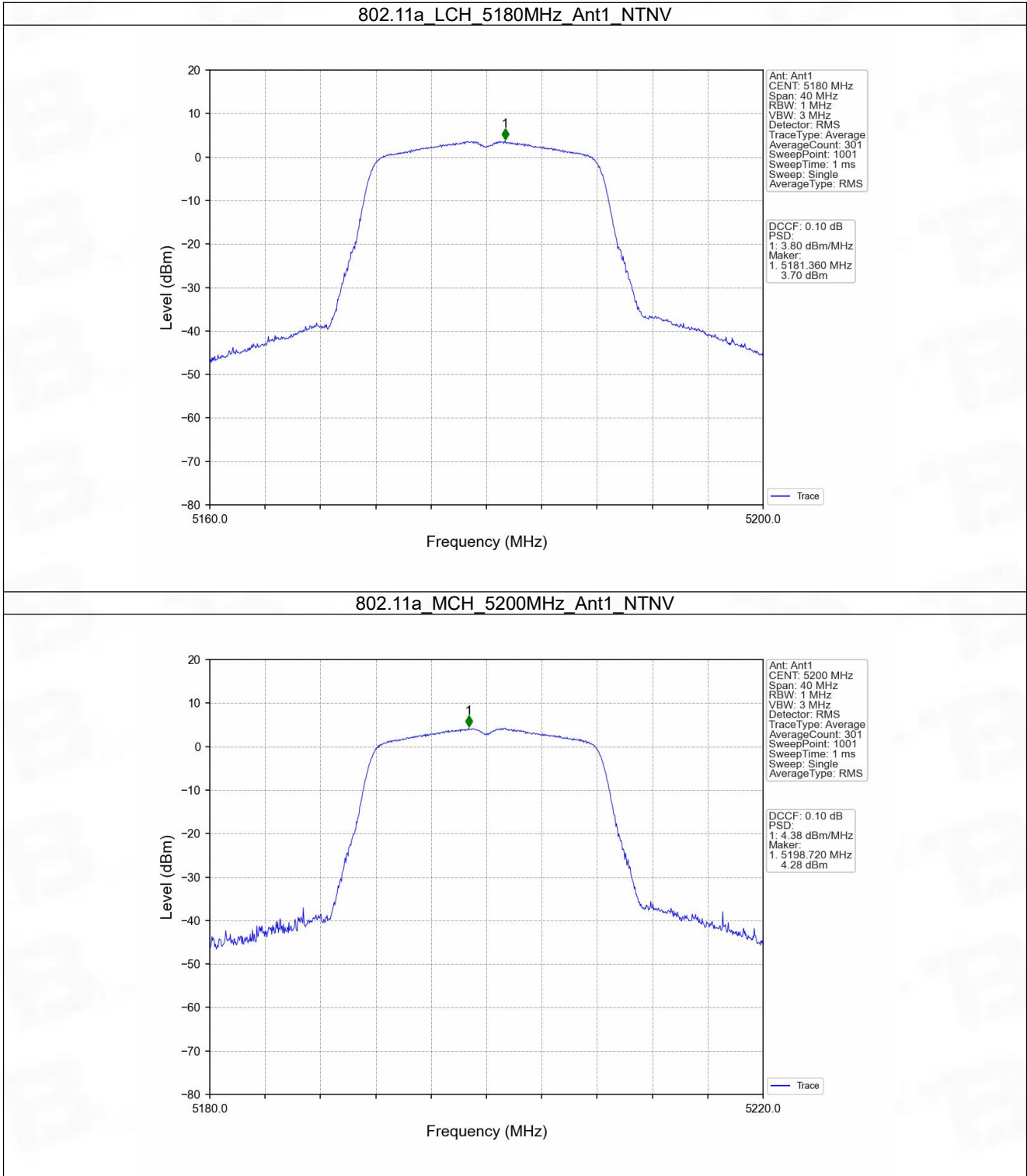
### 4.1 PSD

#### 4.1.1 Test Result

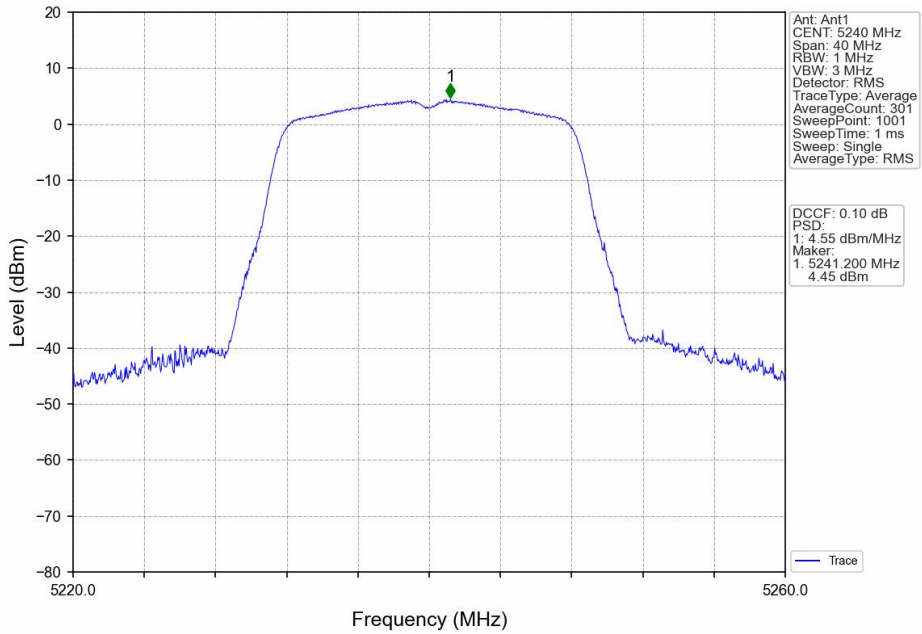
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/MHz)		Verdict
			ANT1	Limit	
802.11a	SISO	5180	3.80	<=17	Pass
		5200	4.38	<=17	Pass
		5240	4.55	<=17	Pass
802.11n (HT20)	SISO	5180	4.10	<=17	Pass
		5200	4.07	<=17	Pass
		5240	4.18	<=17	Pass
802.11n (HT40)	SISO	5190	1.38	<=17	Pass
		5230	1.29	<=17	Pass
802.11ac (VHT20)	SISO	5180	4.09	<=17	Pass
		5200	4.01	<=17	Pass
		5240	4.21	<=17	Pass
802.11ac (VHT40)	SISO	5190	1.44	<=17	Pass
		5230	1.41	<=17	Pass
802.11ac (VHT80)	SISO	5210	-1.71	<=17	Pass

Note1: Antenna Gain: Ant1: 0.00dBi;

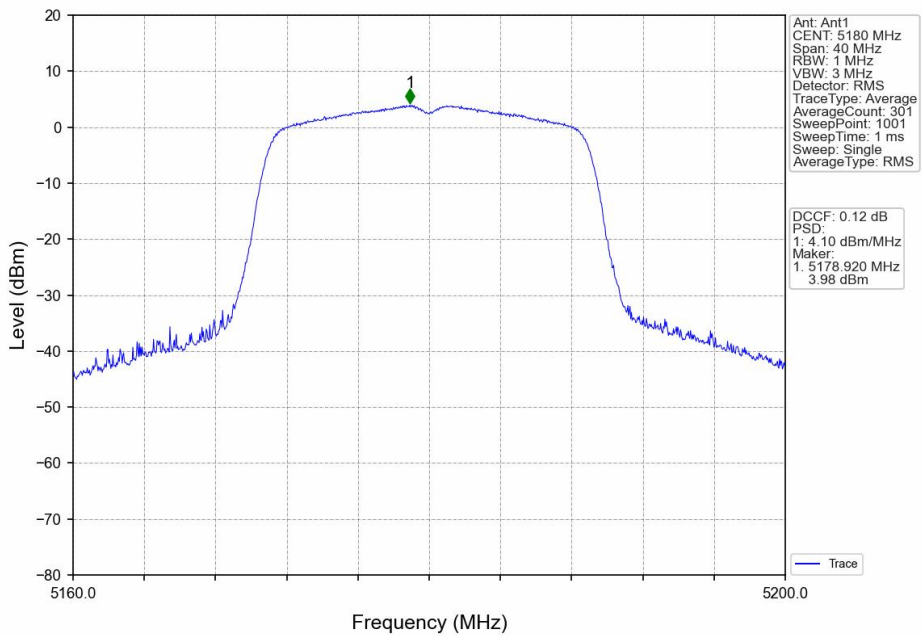
### 4.1.2 Test Graph



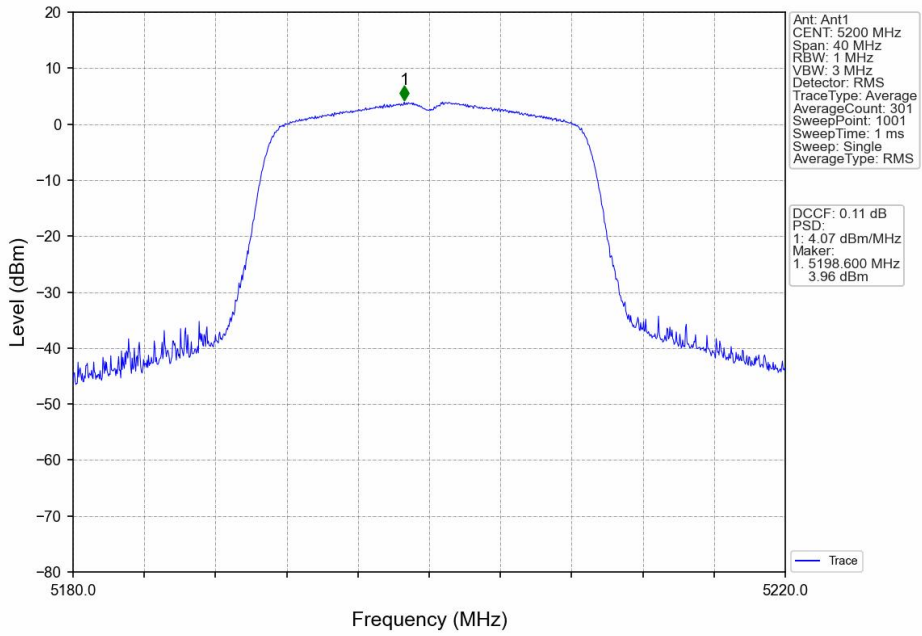
802.11a\_HCH\_5240MHz\_Ant1\_NTNV



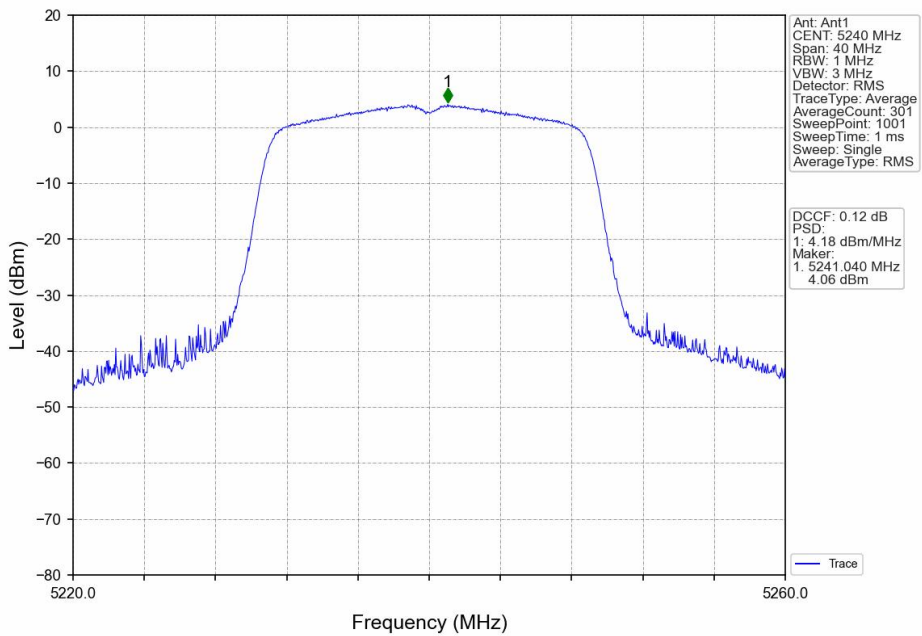
802.11n(HT20)\_LCH\_5180MHz\_Ant1\_NTNV



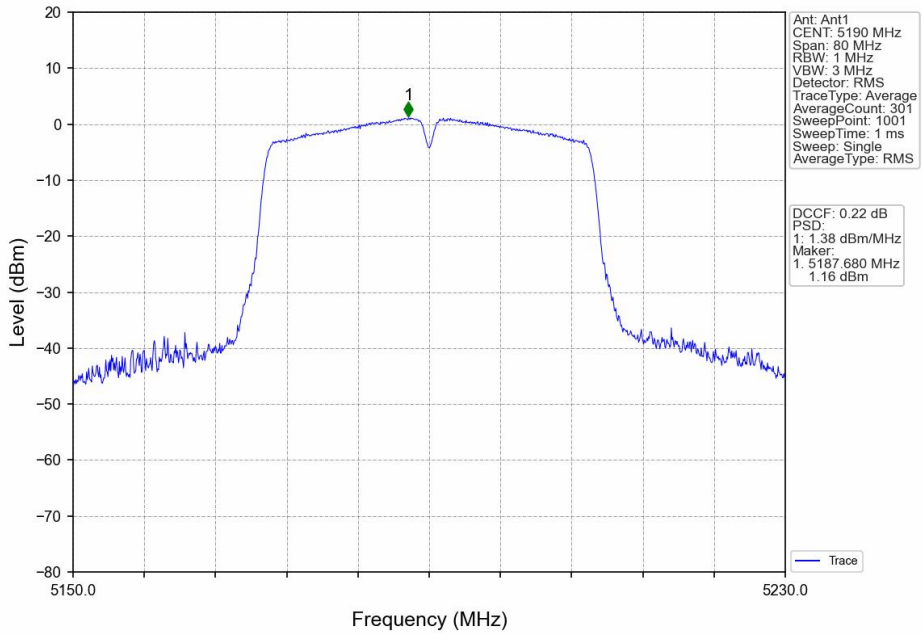
802.11n(HT20)\_MCH\_5200MHz\_Ant1\_NTNV



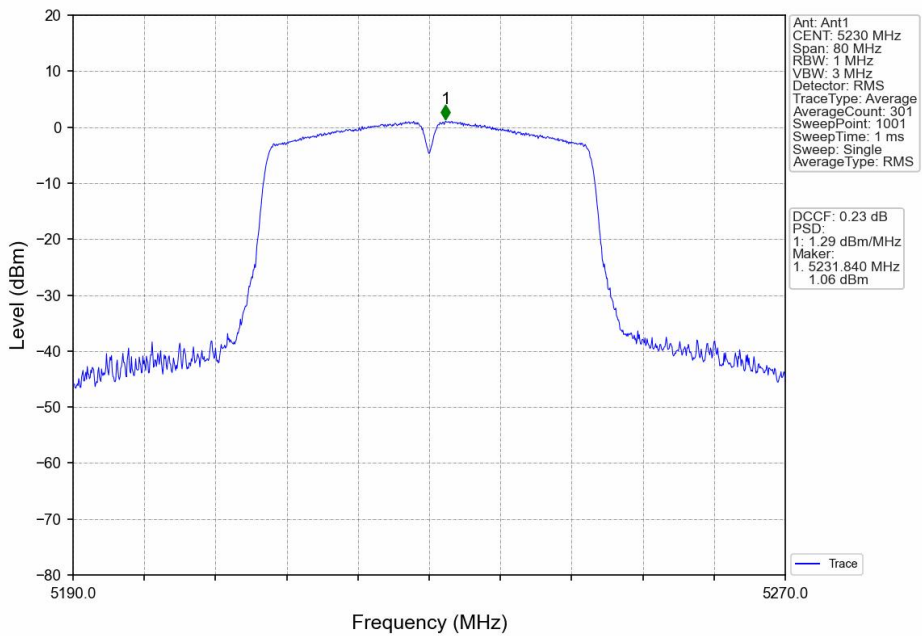
802.11n(HT20)\_HCH\_5240MHz\_Ant1\_NTNV

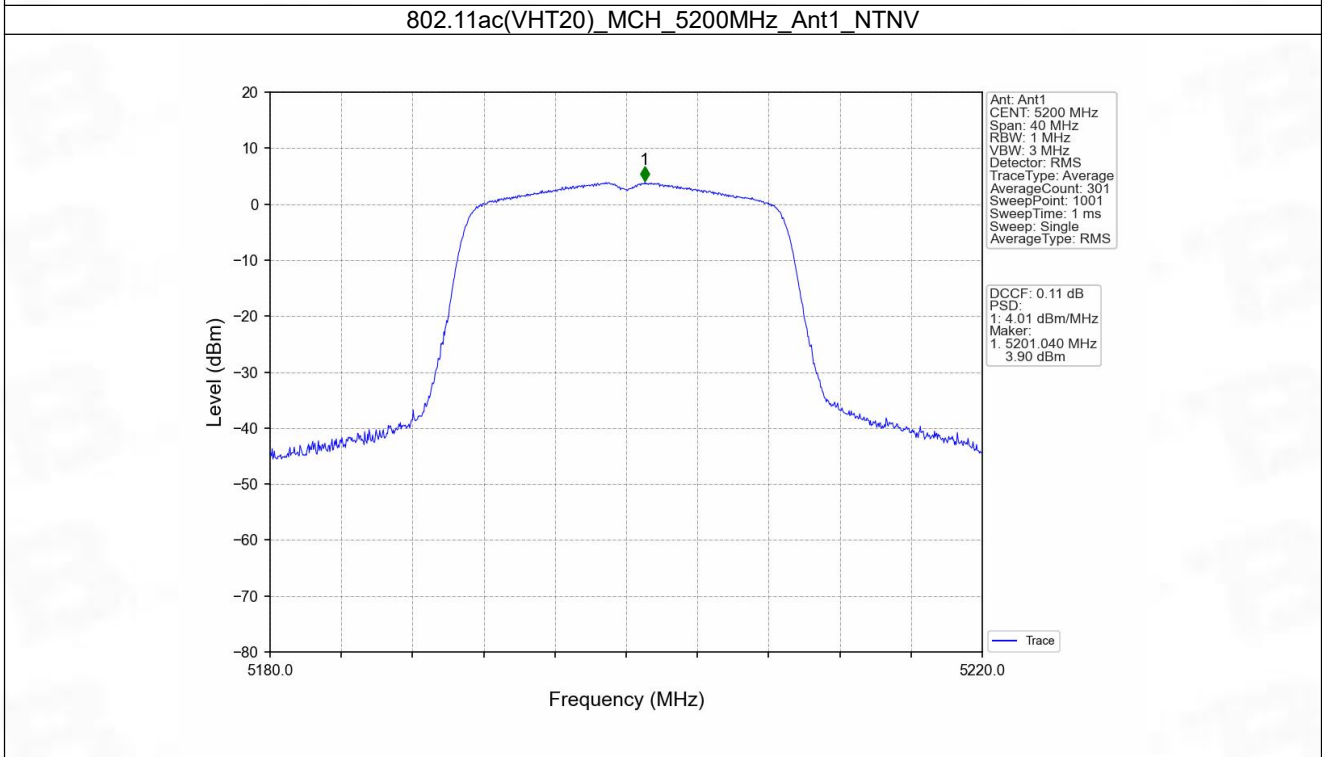
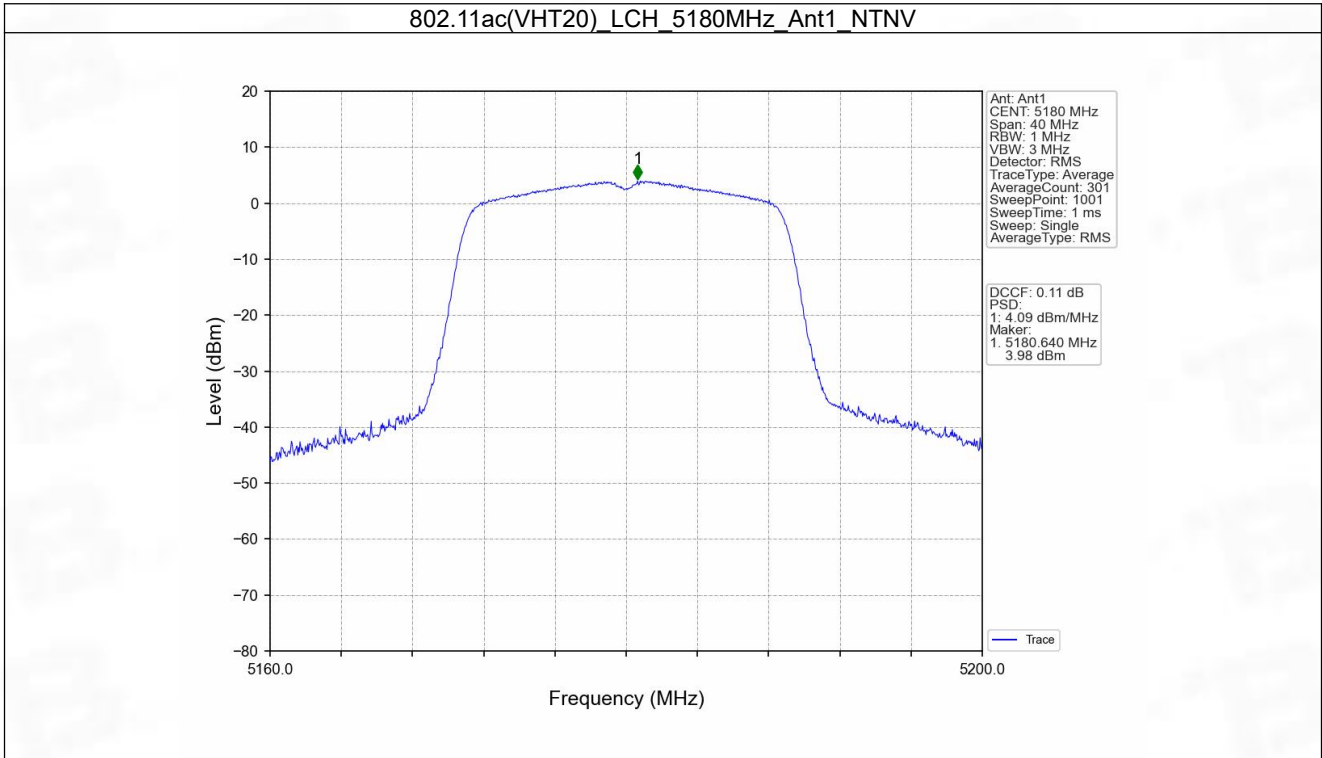


802.11n(HT40)\_LCH\_5190MHz\_Ant1\_NTNV

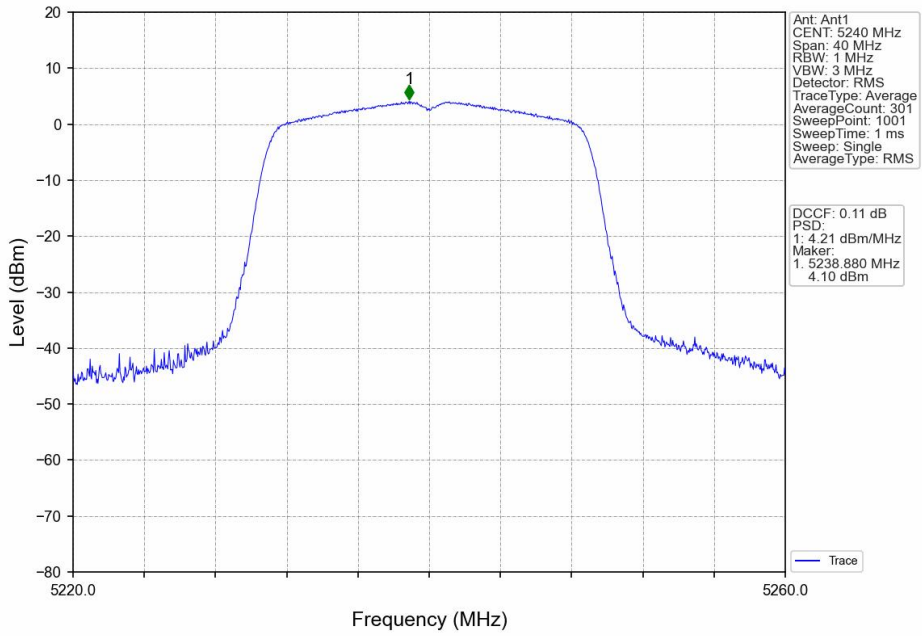


802.11n(HT40)\_HCH\_5230MHz\_Ant1\_NTNV

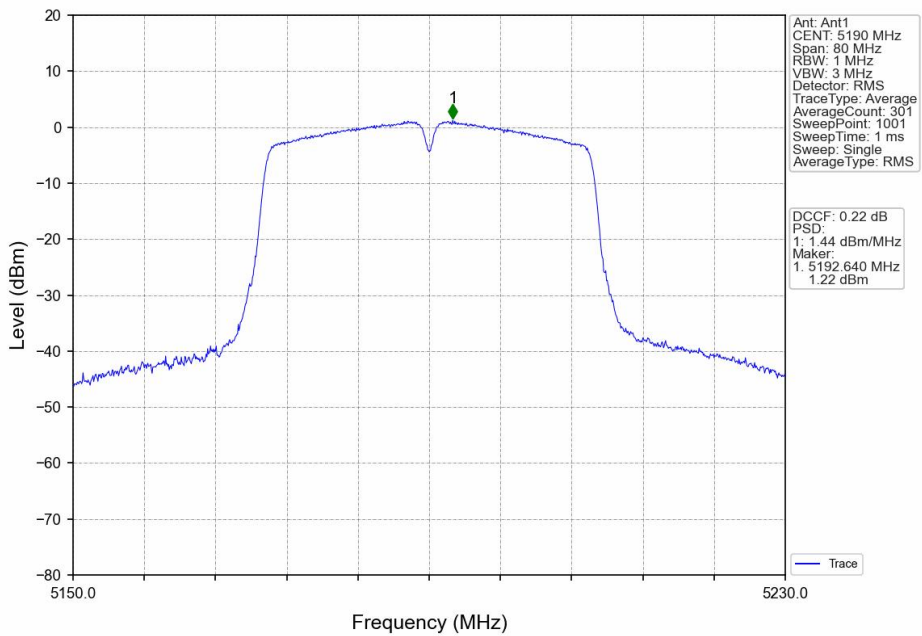




802.11ac(VHT20)\_HCH\_5240MHz\_Ant1\_NTNV

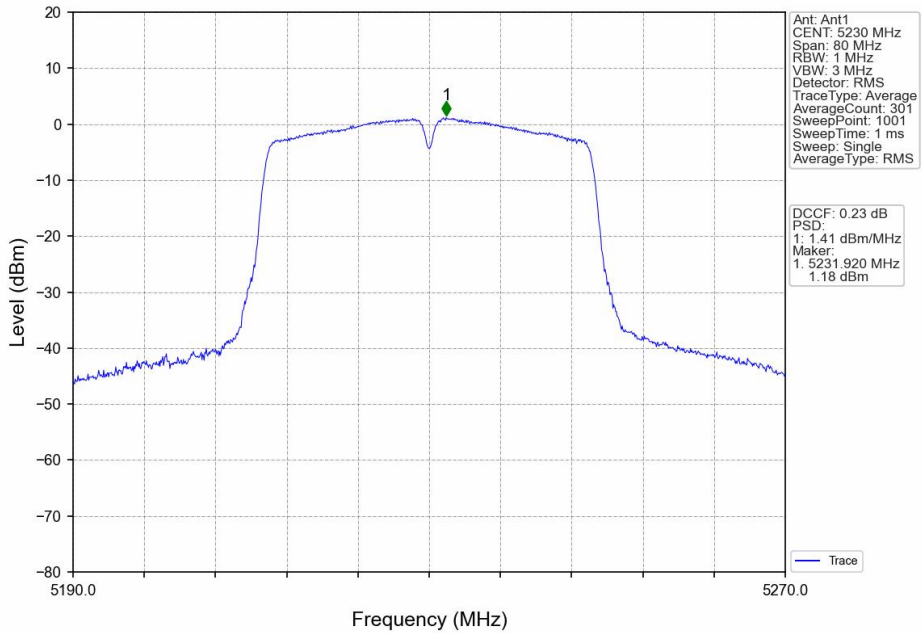


802.11ac(VHT40)\_LCH\_5190MHz\_Ant1\_NTNV

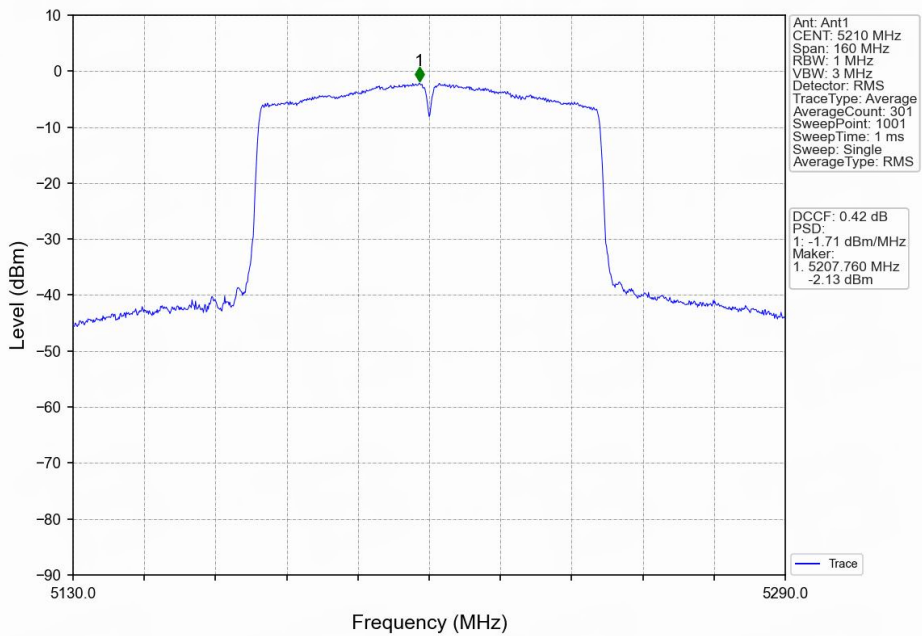




802.11ac(VHT40)\_HCH\_5230MHz\_Ant1\_NTNV



802.11ac(VHT80)\_MCH\_5210MHz\_Ant1\_NTNV



## 5. Frequency Stability

### 5.1 Ant1

#### 5.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Temperature (°C)	Ant1			Verdict	
				Voltage (VAC)	Measured Frequency (MHz)	Limit (MHz)		
Carrier Wave	SISO	5180	20	102	5179.970	5150 to 5250	Pass	
				120	5179.970	5150 to 5250	Pass	
				138	5179.969	5150 to 5250	Pass	
			-30	120	5179.969	5150 to 5250	Pass	
				-20	120	5179.969	5150 to 5250	Pass
					120	5179.969	5150 to 5250	Pass
				-10	120	5179.969	5150 to 5250	Pass
					120	5179.969	5150 to 5250	Pass
				0	120	5179.969	5150 to 5250	Pass
		10		120	5179.969	5150 to 5250	Pass	
		30		120	5179.968	5150 to 5250	Pass	
		40	120	5179.968	5150 to 5250	Pass		
		50	120	5179.968	5150 to 5250	Pass		
		5200	20	102	5199.968	5150 to 5250	Pass	
				120	5199.968	5150 to 5250	Pass	
				138	5199.968	5150 to 5250	Pass	
			-30	120	5199.967	5150 to 5250	Pass	
				-20	120	5199.967	5150 to 5250	Pass
					120	5199.967	5150 to 5250	Pass
				-10	120	5199.967	5150 to 5250	Pass
					120	5199.967	5150 to 5250	Pass
				0	120	5199.967	5150 to 5250	Pass
		10		120	5199.967	5150 to 5250	Pass	
		30		120	5199.967	5150 to 5250	Pass	
		40	120	5199.967	5150 to 5250	Pass		
		50	120	5199.967	5150 to 5250	Pass		
		5240	20	102	5239.966	5150 to 5250	Pass	
				120	5239.966	5150 to 5250	Pass	
				138	5239.966	5150 to 5250	Pass	
			-30	120	5239.966	5150 to 5250	Pass	
				-20	120	5239.966	5150 to 5250	Pass
					120	5239.966	5150 to 5250	Pass
				-10	120	5239.966	5150 to 5250	Pass
					120	5239.966	5150 to 5250	Pass
				0	120	5239.966	5150 to 5250	Pass
		10		120	5239.966	5150 to 5250	Pass	
		30		120	5239.966	5150 to 5250	Pass	
		40	120	5239.966	5150 to 5250	Pass		
		50	120	5239.966	5150 to 5250	Pass		
		5190	20	102	5189.967	5150 to 5250	Pass	
				120	5189.966	5150 to 5250	Pass	
				138	5189.966	5150 to 5250	Pass	
			-30	120	5189.966	5150 to 5250	Pass	
				-20	120	5189.966	5150 to 5250	Pass
					120	5189.966	5150 to 5250	Pass
-10	120			5189.966	5150 to 5250	Pass		
	120			5189.966	5150 to 5250	Pass		
0	120			5189.966	5150 to 5250	Pass		
10	120	5189.965		5150 to 5250	Pass			
30	120	5189.966		5150 to 5250	Pass			
40	120	5189.966	5150 to 5250	Pass				
50	120	5189.966	5150 to 5250	Pass				
5230	20	102	5229.966	5150 to 5250	Pass			

			120	5229.966	5150 to 5250	Pass	
			138	5229.966	5150 to 5250	Pass	
		-30	120	5229.966	5150 to 5250	Pass	
		-20	120	5229.965	5150 to 5250	Pass	
		-10	120	5229.965	5150 to 5250	Pass	
		0	120	5229.965	5150 to 5250	Pass	
		10	120	5229.965	5150 to 5250	Pass	
		30	120	5229.965	5150 to 5250	Pass	
		40	120	5229.965	5150 to 5250	Pass	
		50	120	5229.965	5150 to 5250	Pass	
	5210	20		102	5209.966	5150 to 5250	Pass
				120	5209.966	5150 to 5250	Pass
				138	5209.966	5150 to 5250	Pass
		-30	120	5209.966	5150 to 5250	Pass	
		-20	120	5209.966	5150 to 5250	Pass	
		-10	120	5209.965	5150 to 5250	Pass	
		0	120	5209.965	5150 to 5250	Pass	
		10	120	5209.965	5150 to 5250	Pass	
		30	120	5209.965	5150 to 5250	Pass	
		40	120	5209.965	5150 to 5250	Pass	
50	120	5209.966	5150 to 5250	Pass			

## 6. Form731

### 6.1 Form731

#### 6.1.1 Test Result

Lower Freq (MHz)	High Freq (MHz)	MAX Power (W)	MAX Power (dBm)
5180	5240	0.0295	14.70
5190	5230	0.0299	14.76
5210	5210	0.0300	14.77



Test Report Number: BTF230628R00104



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**-- END OF REPORT --**