



## Annex for 5G Wi-Fi BAND 1

Test Report No.: CTL2409192011-WF

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## 1. Bandwidth

### 1.1 Test Result

#### 1.1.1 OBW

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5180	1	19.536	/	Pass
		5200	1	20.974	/	Pass
		5240	1	20.972	/	Pass
802.11n (HT20)	SISO	5180	1	20.456	/	Pass
		5200	1	21.540	/	Pass
		5240	1	20.955	/	Pass

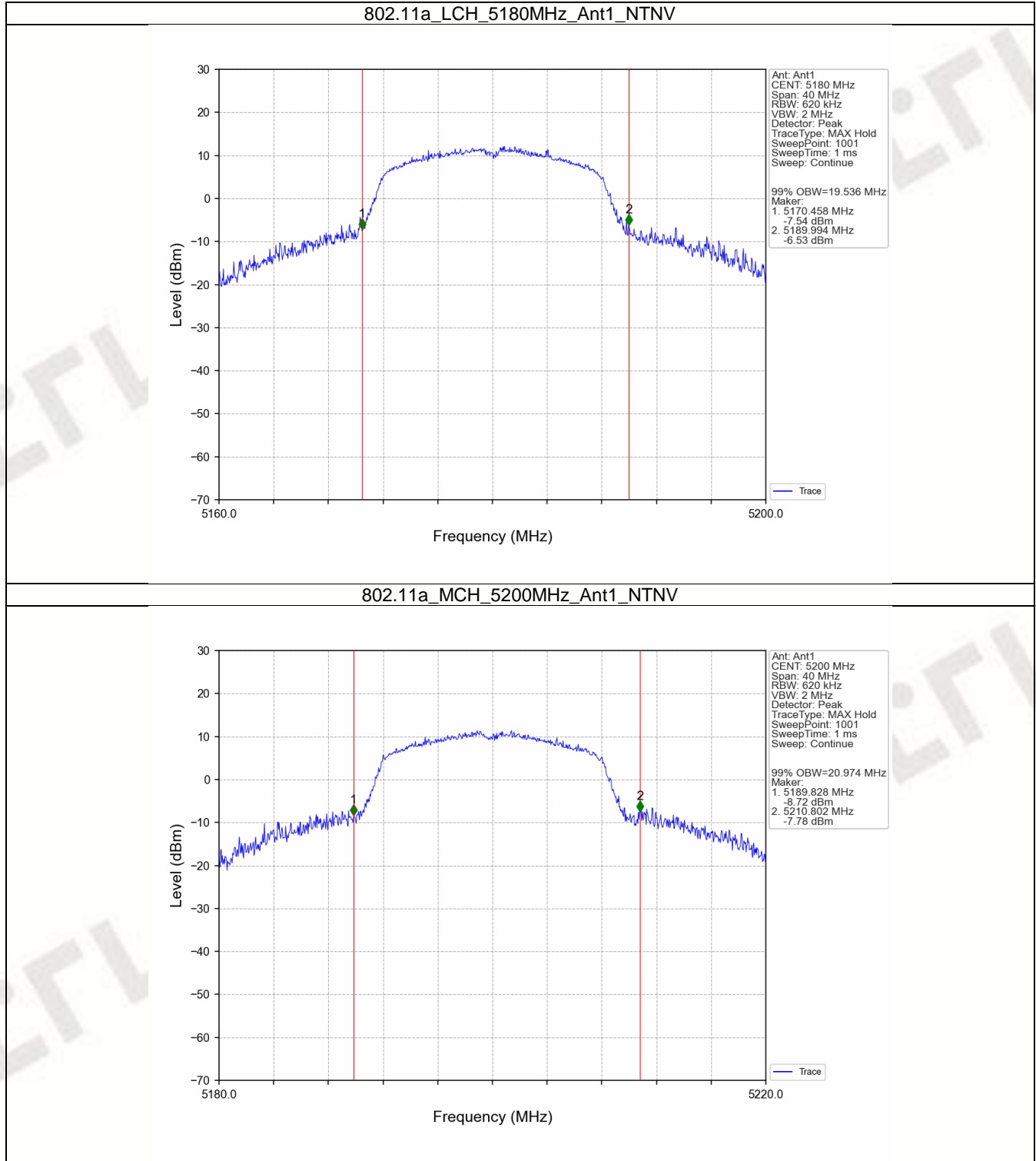
#### 1.1.2 26dB BW

Mode	TX Type	Frequency (MHz)	ANT	26dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5180	1	31.219	/	Pass
		5200	1	30.896	/	Pass
		5240	1	30.817	/	Pass
802.11n (HT20)	SISO	5180	1	30.946	/	Pass
		5200	1	31.457	/	Pass
		5240	1	31.955	/	Pass

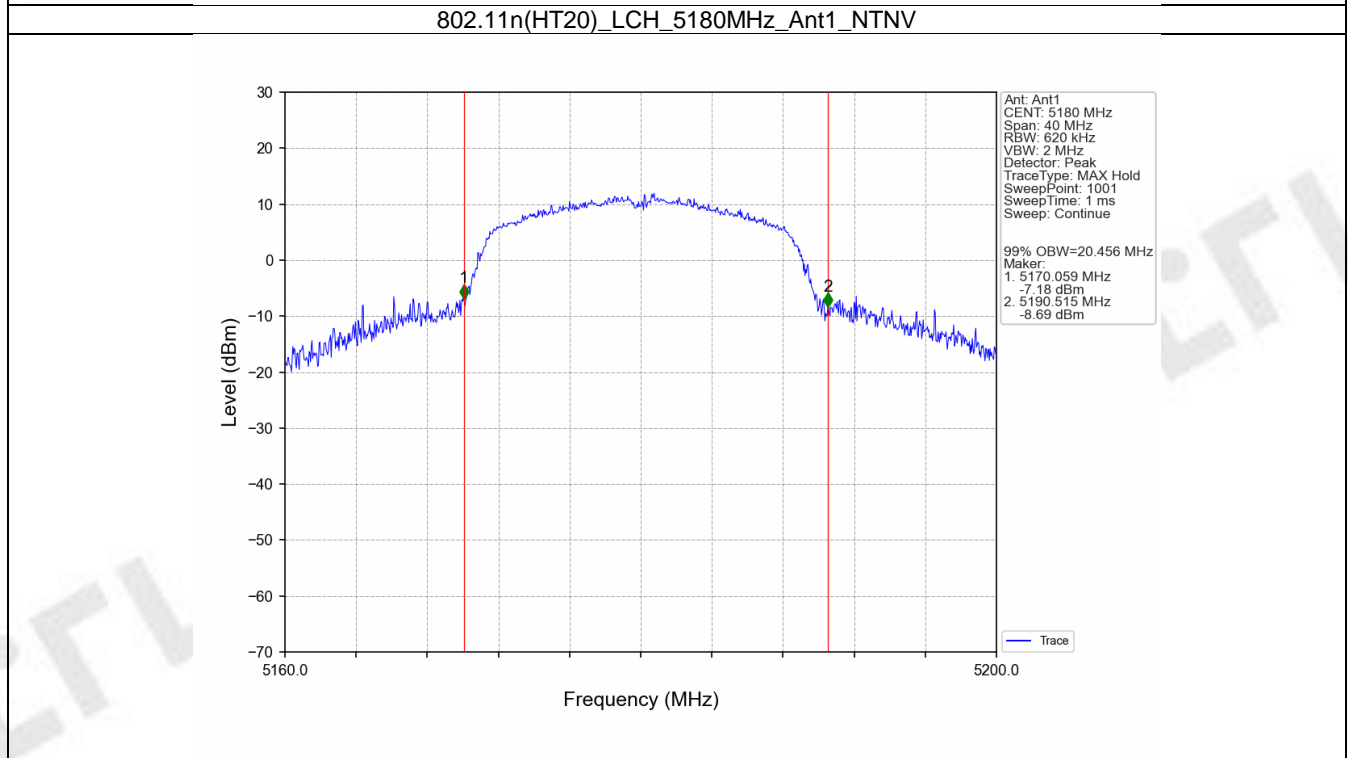
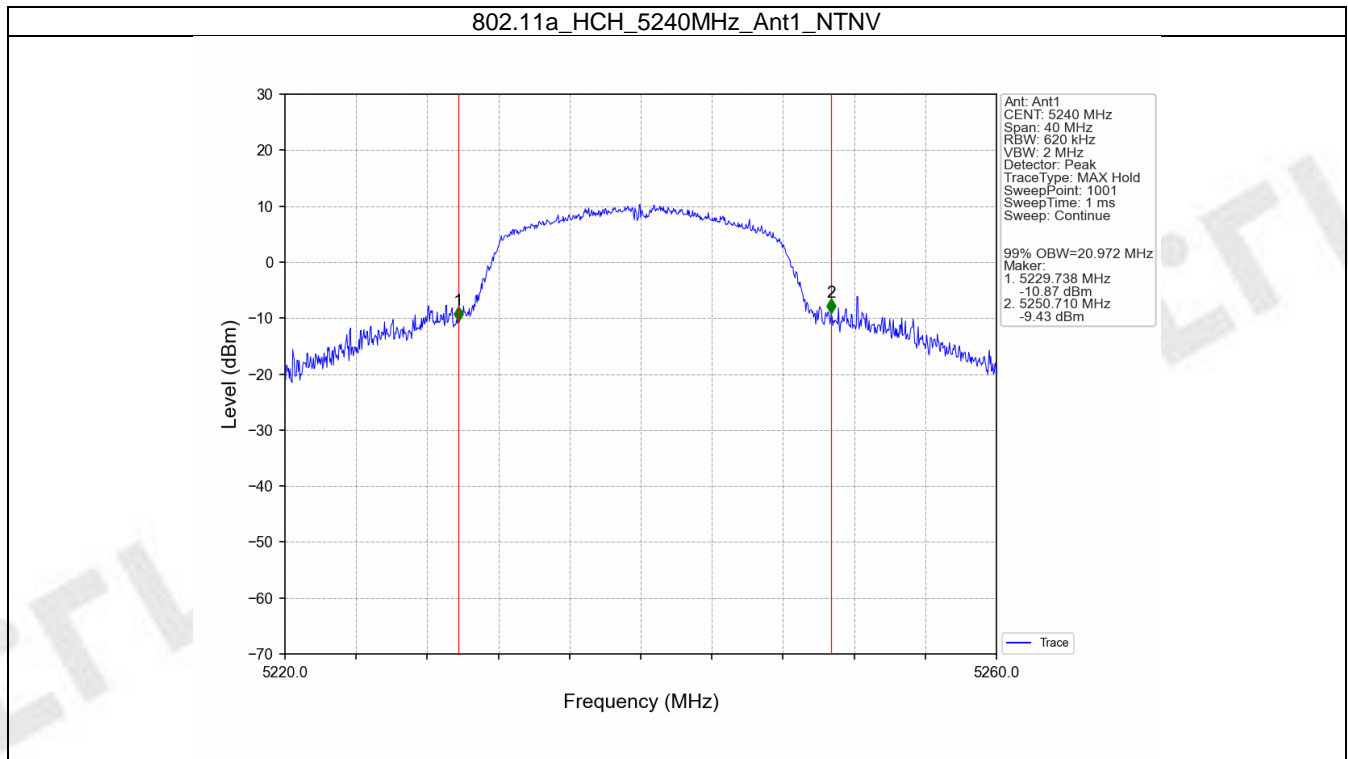
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## 1.2 Test Graph

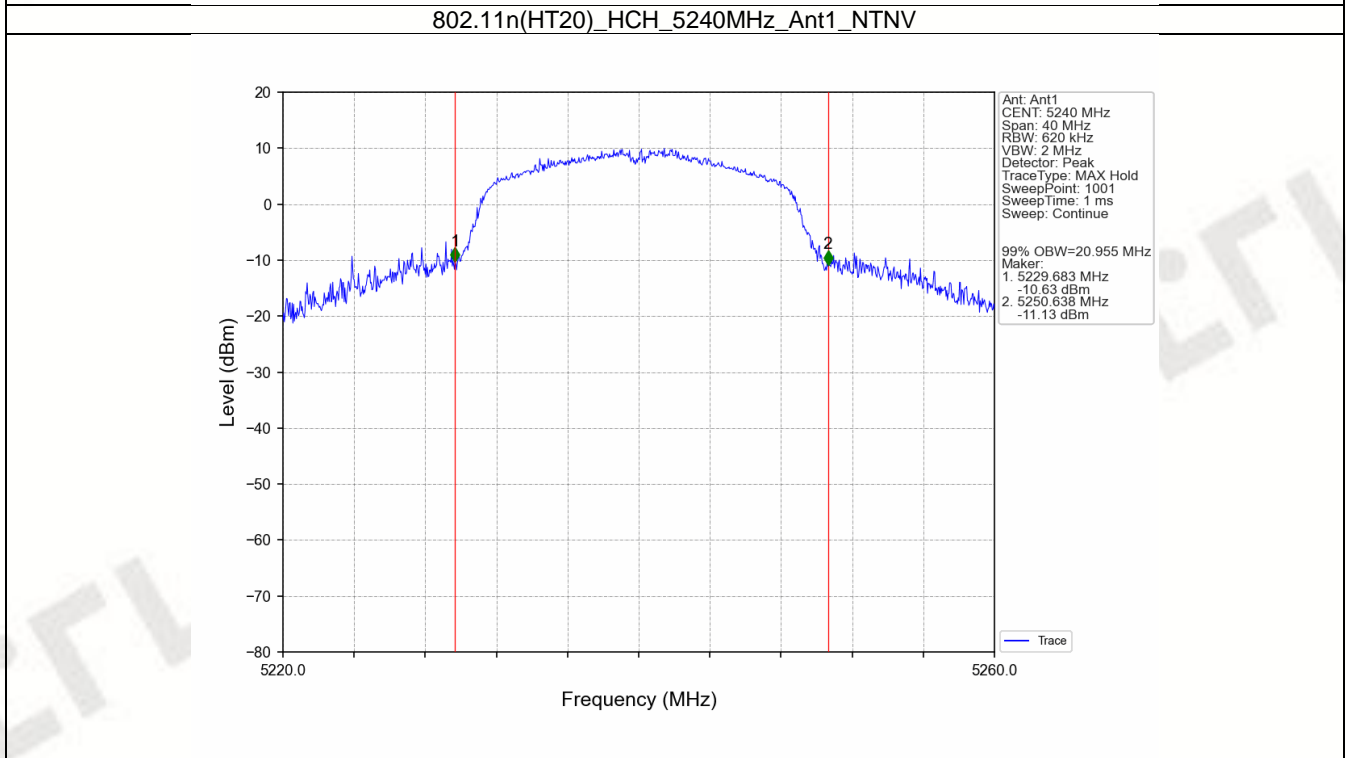
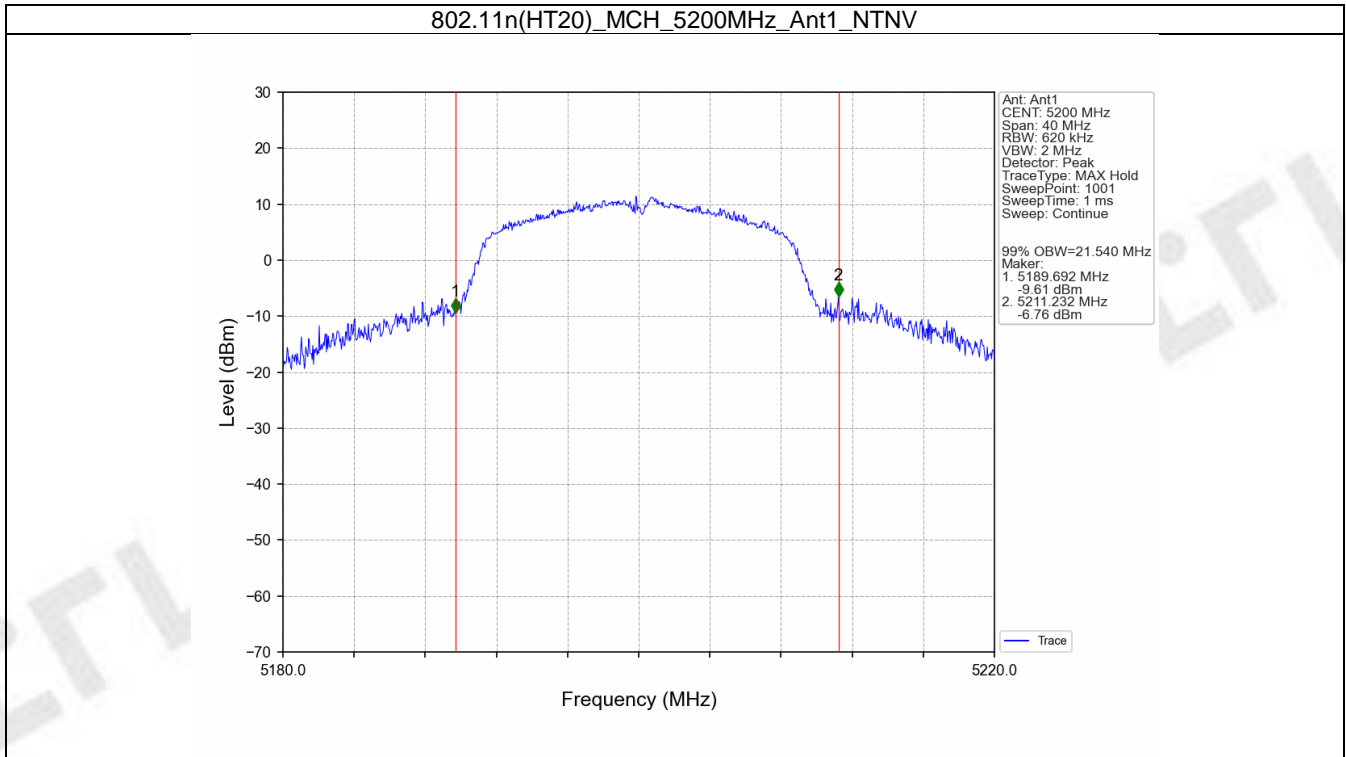
### 1.2.1 OBW



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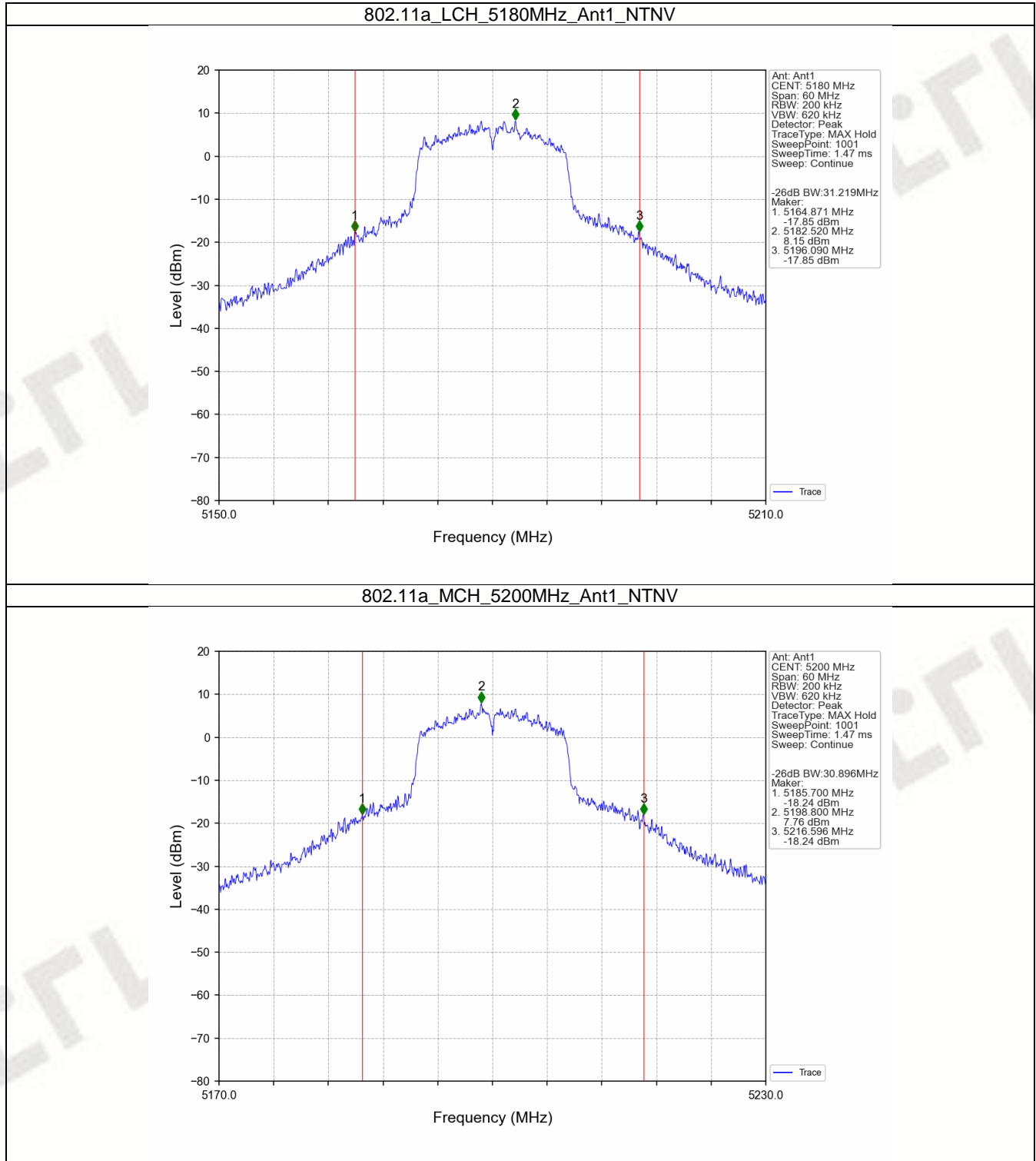


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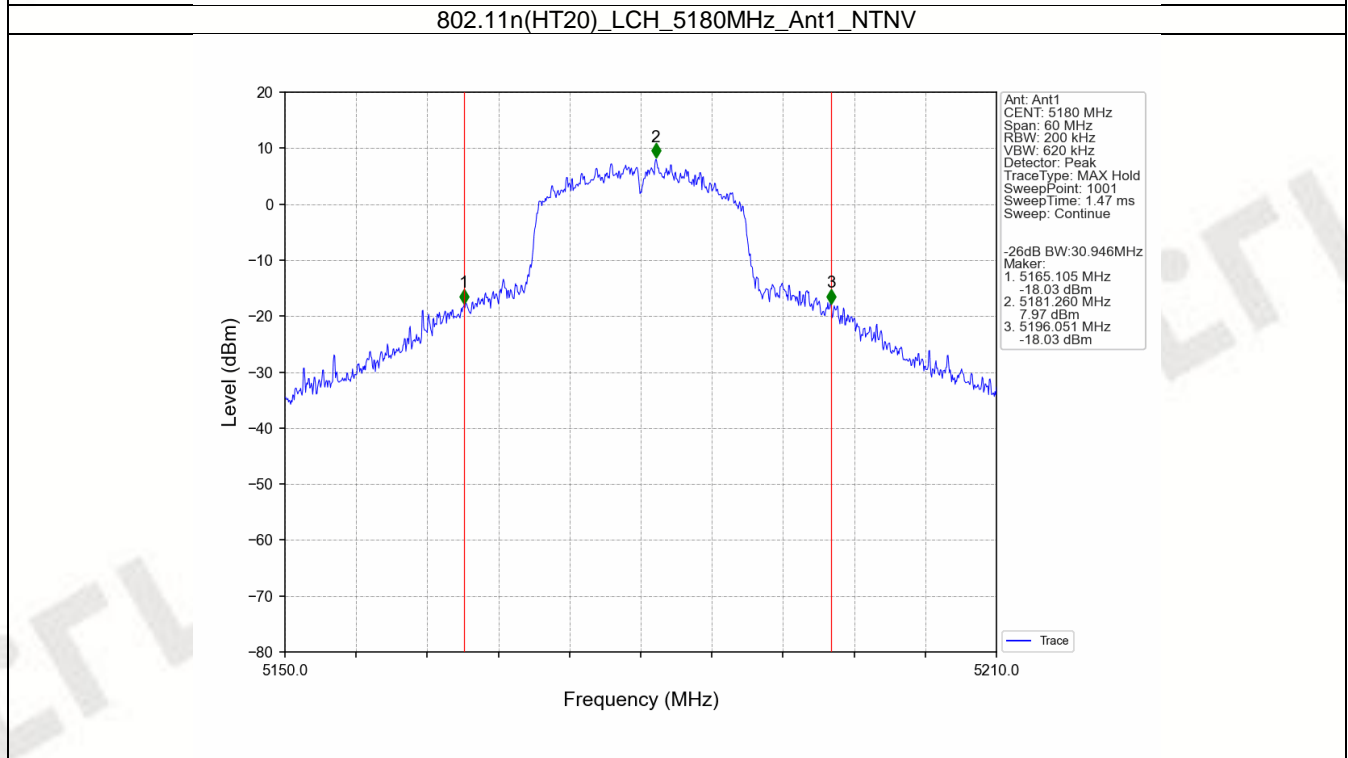
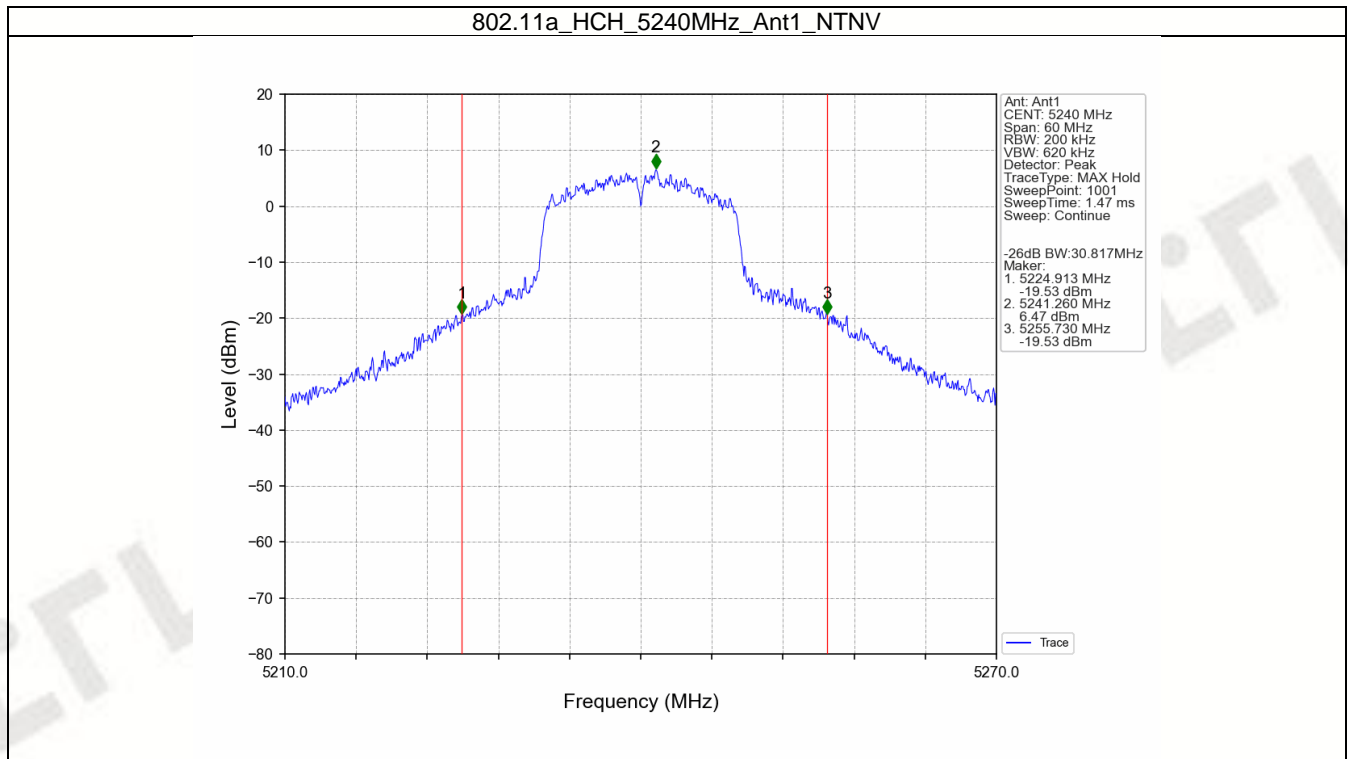


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### 1.2.2 26dB BW

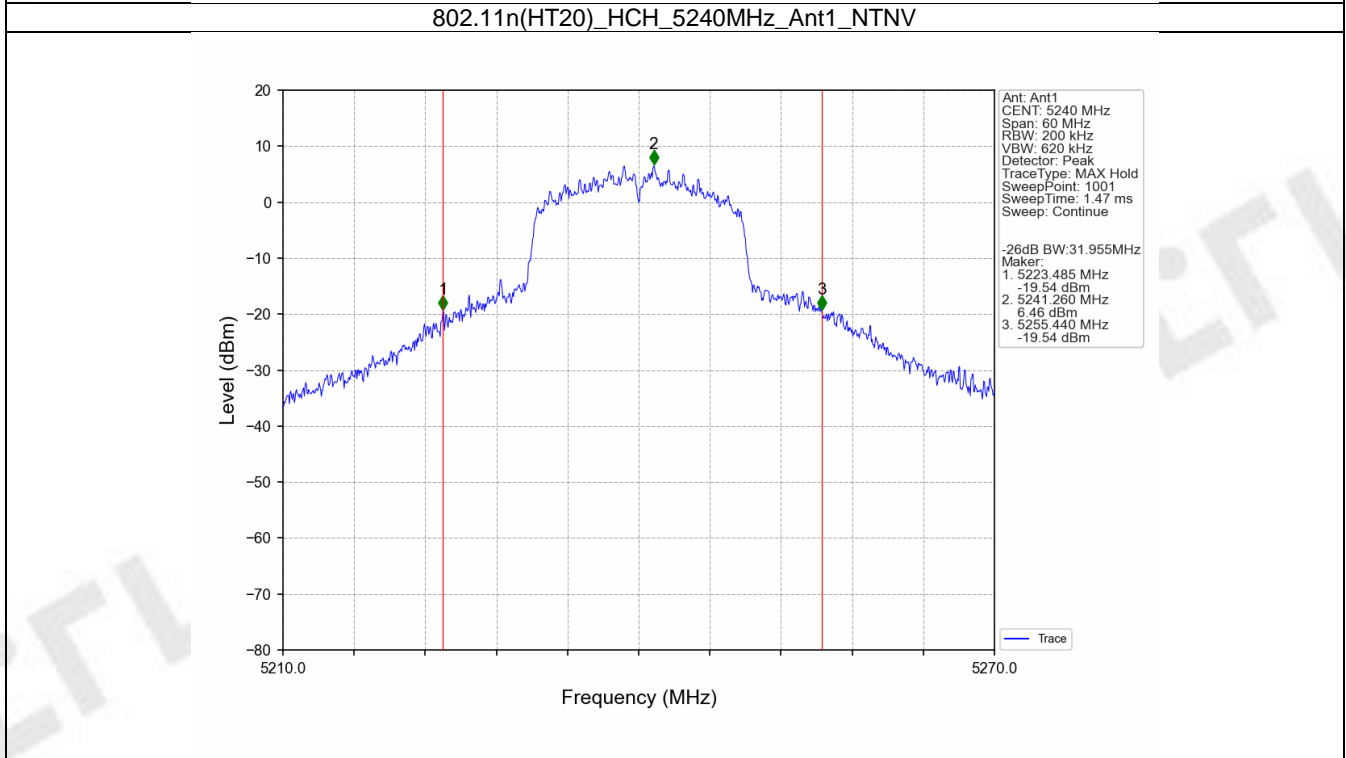
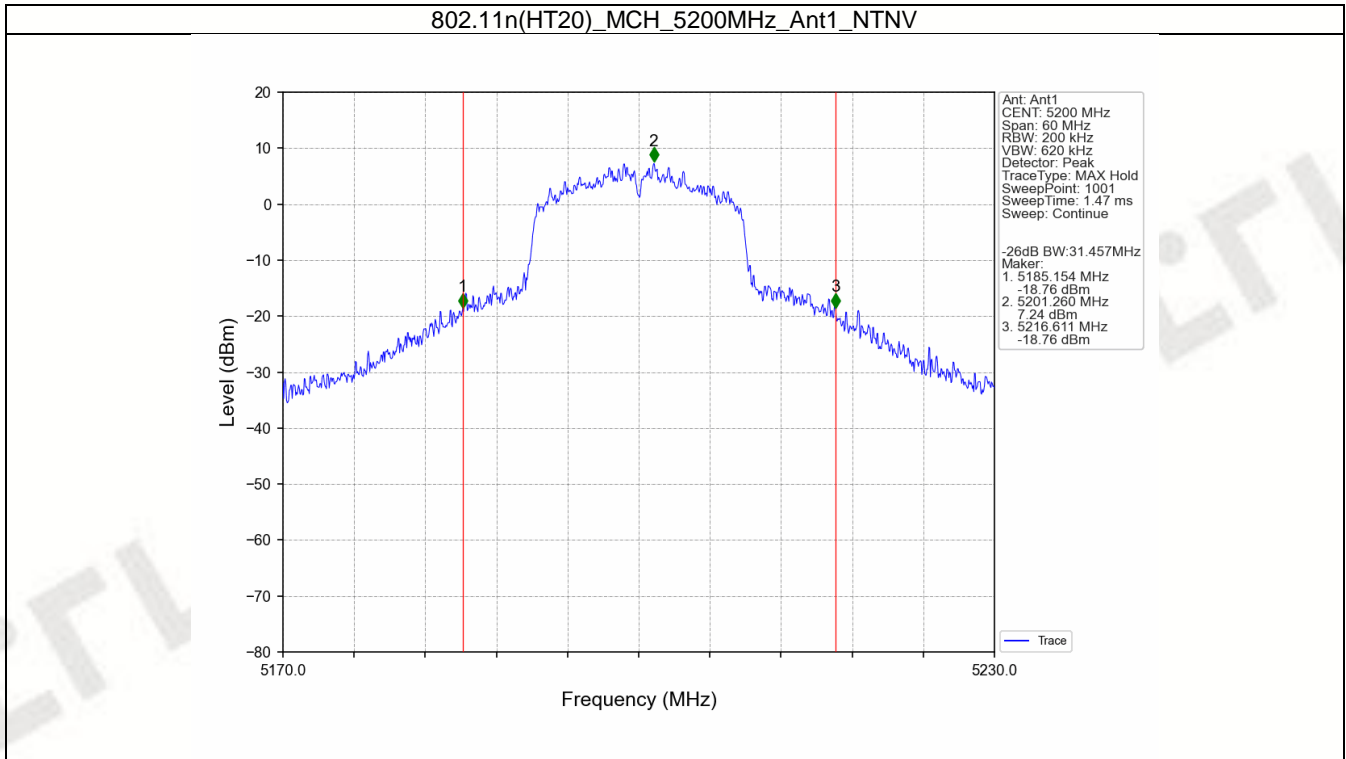


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## 2. Maximum Conducted Output Power

### 2.1 Test Result

#### 2.1.1 Power

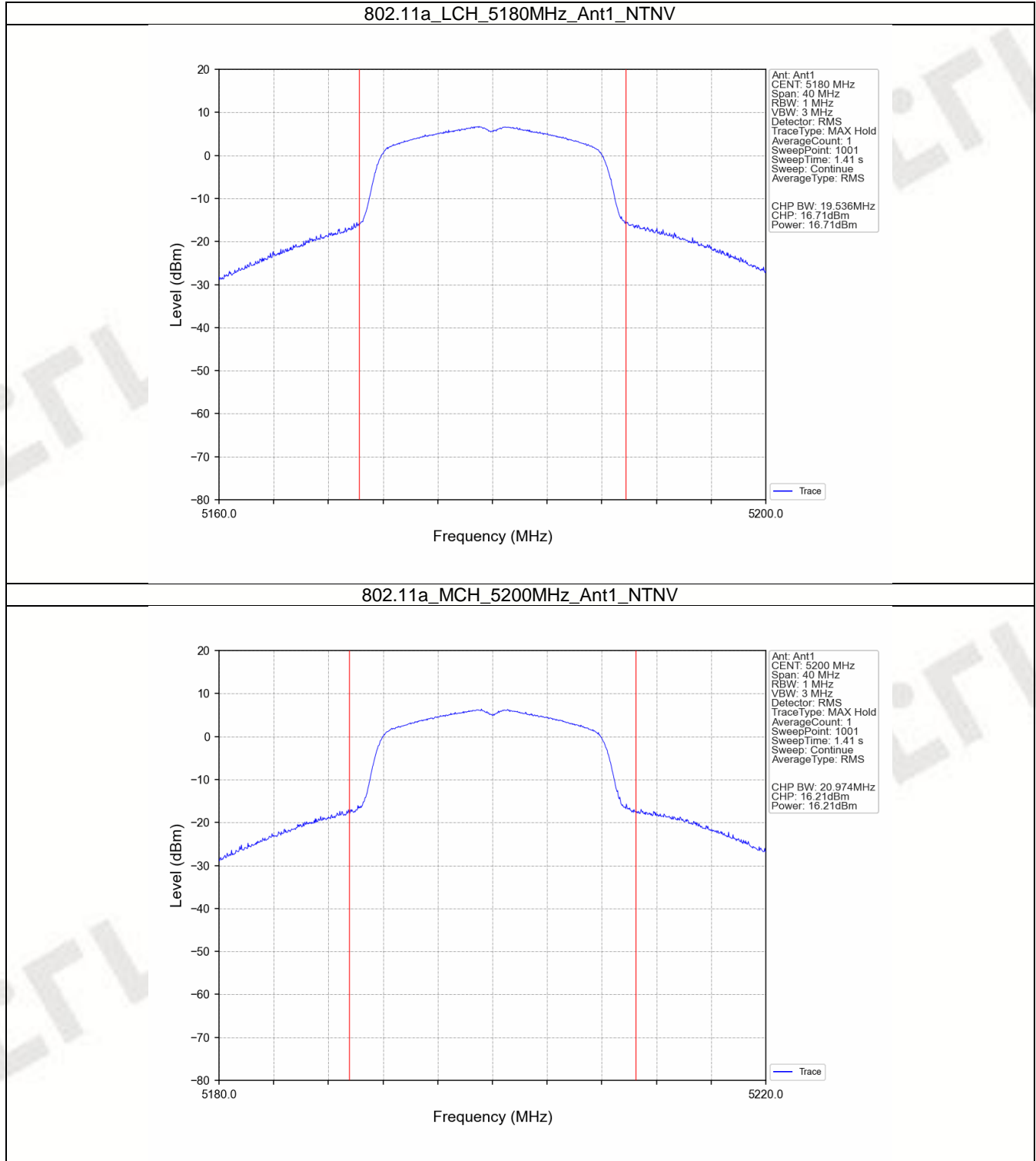
Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
802.11a	SISO	5180	16.71	<=23.98	Pass
		5200	16.21	<=23.98	Pass
		5240	15.13	<=23.98	Pass
802.11n (HT20)	SISO	5180	16.07	<=23.98	Pass
		5200	16.00	<=23.98	Pass
		5240	14.94	<=23.98	Pass

Note1: Antenna Gain: Ant1: 2.00dBi;

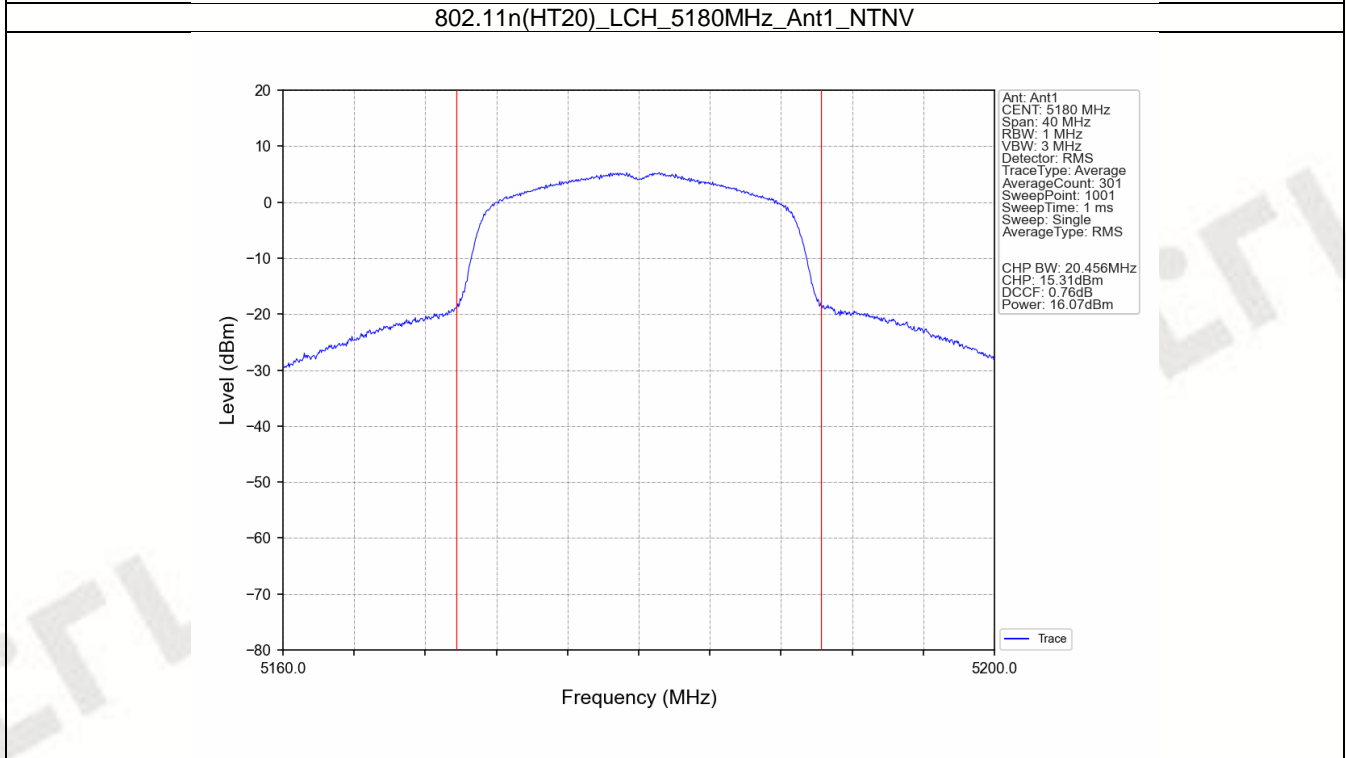
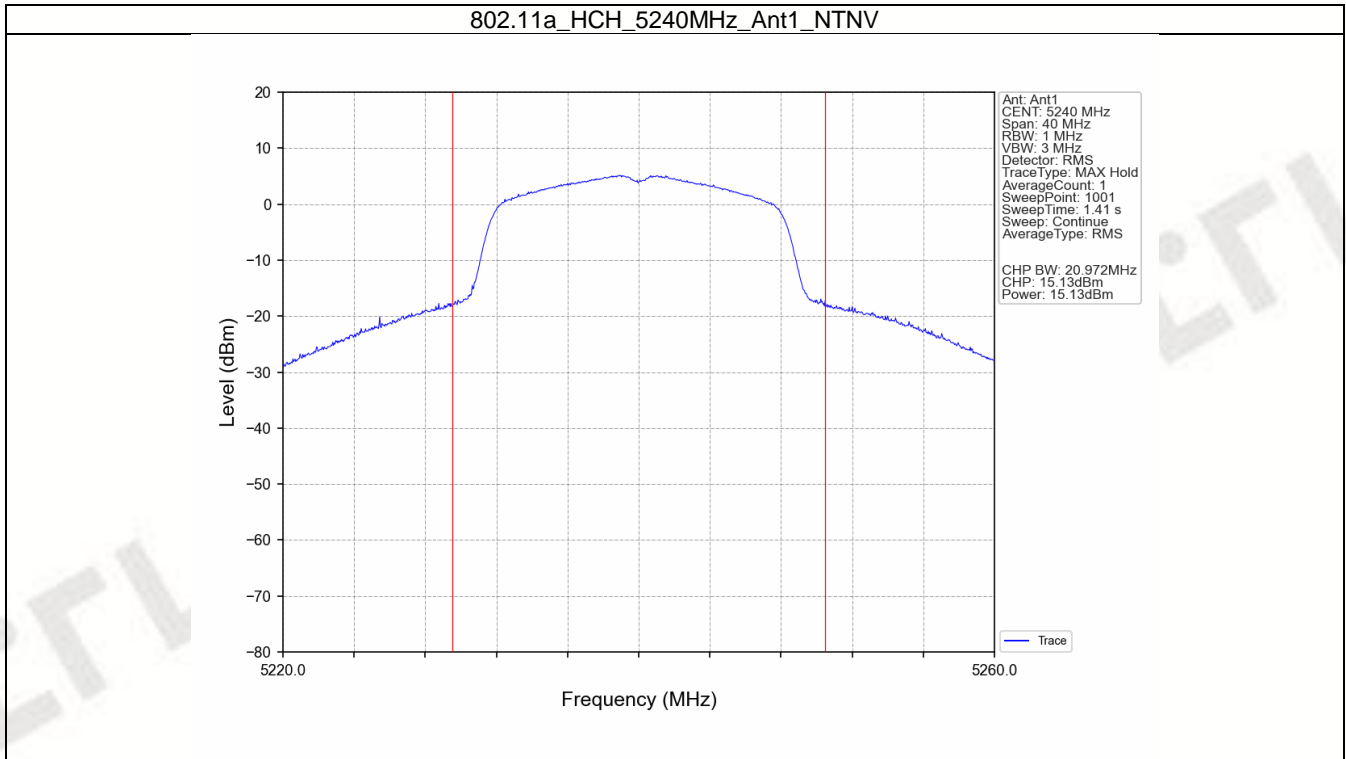
FCCID: 2BKN6-TXHE30W

## 2.2 Test Graph

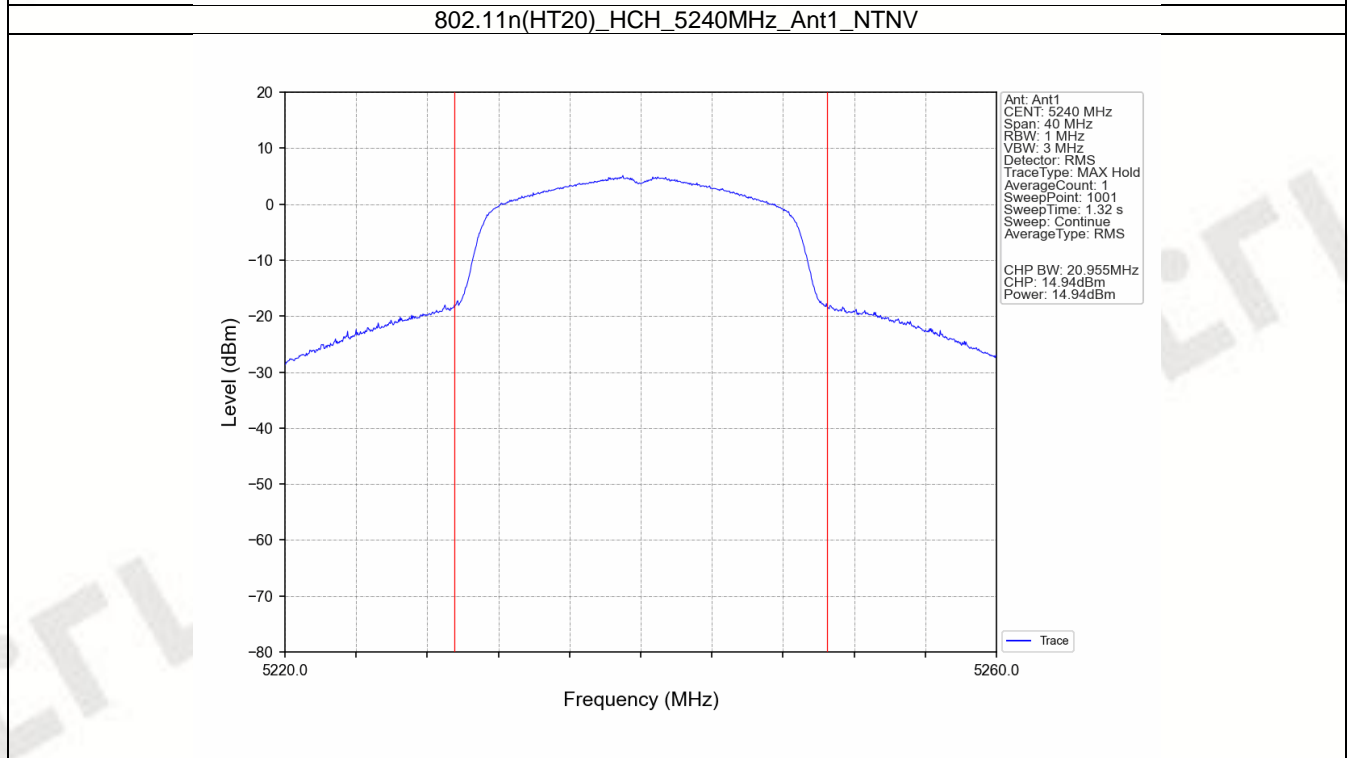
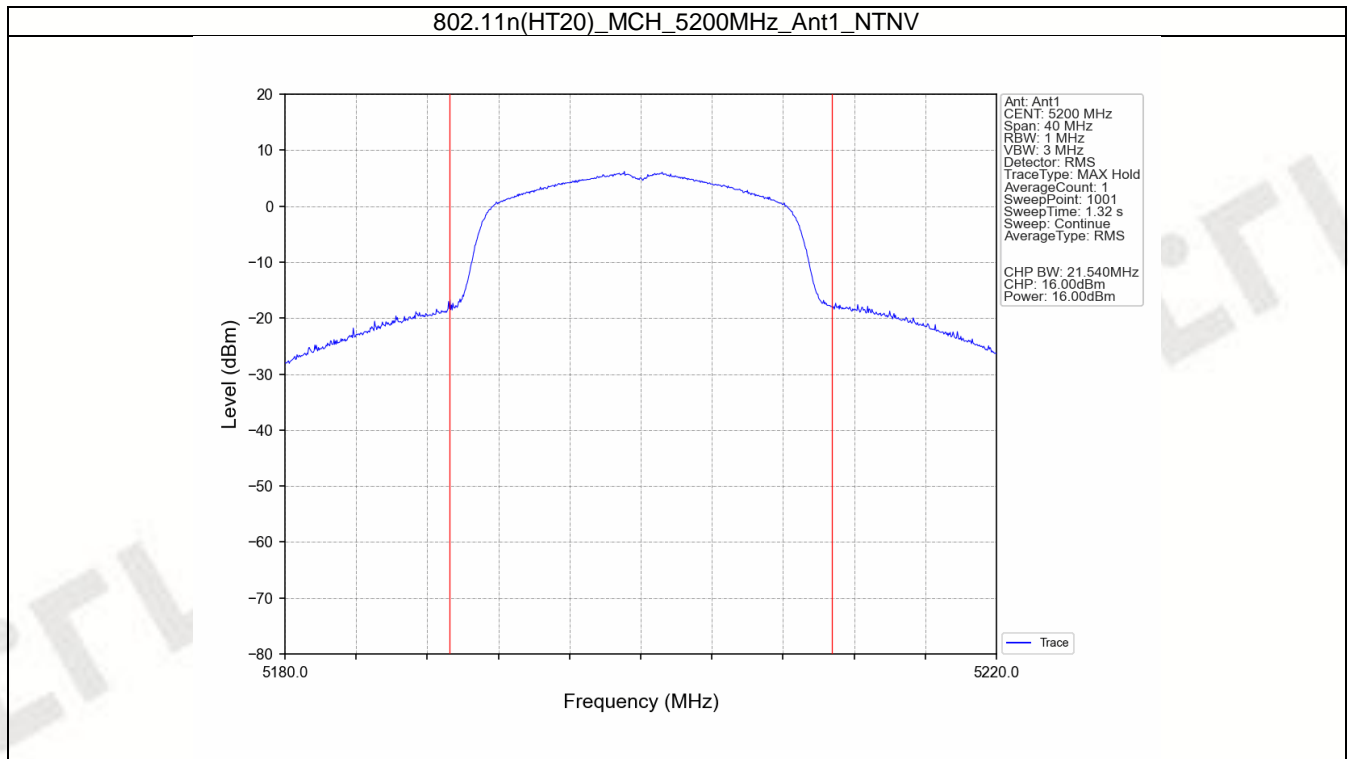
### 2.2.1 Power



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### 3. Maximum Power Spectral Density

#### 3.1 Test Result

##### 3.1.1 PSD

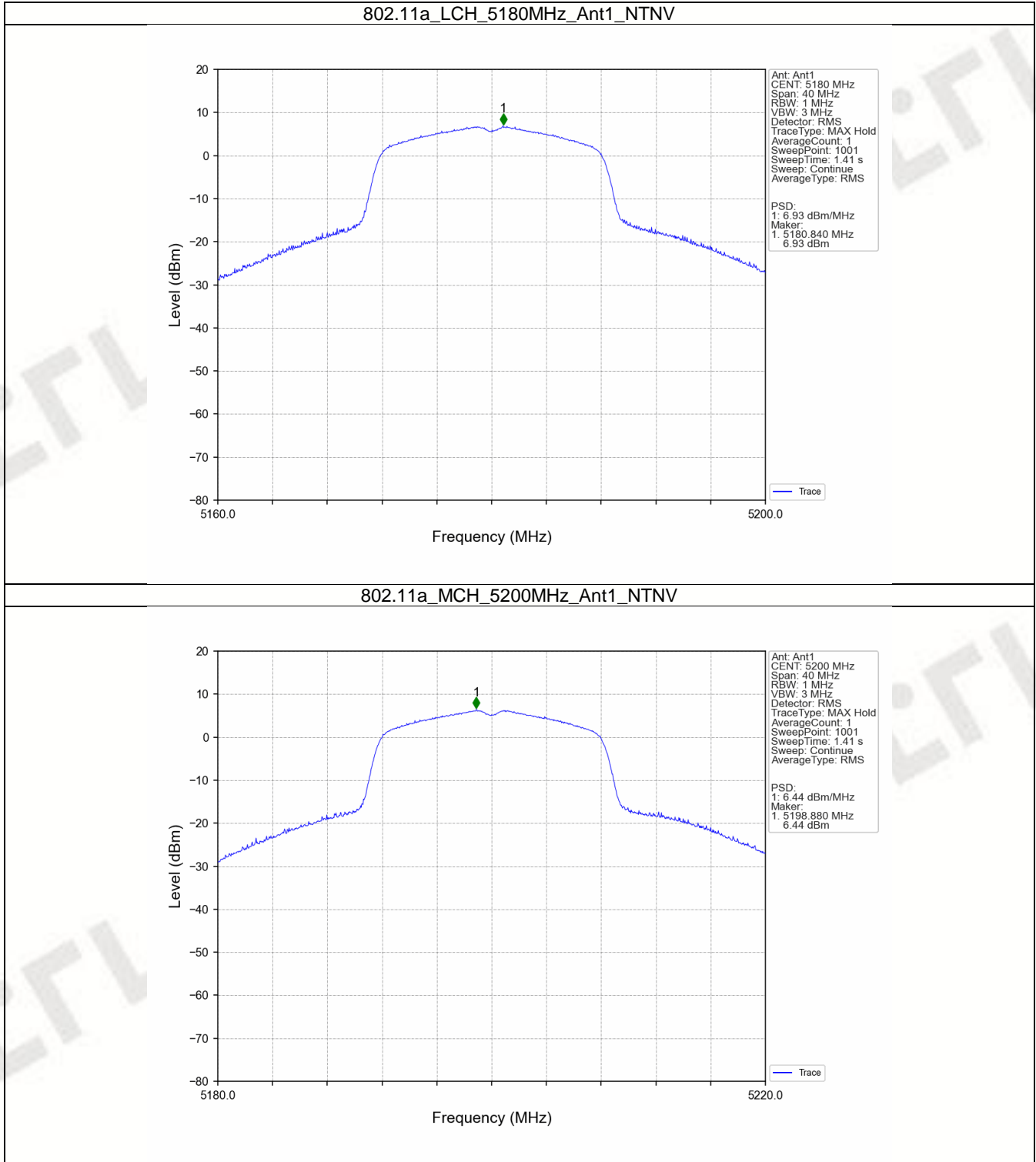
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/MHz)		Verdict
			ANT1	Limit	
802.11a	SISO	5180	6.93	<=11	Pass
		5200	6.44	<=11	Pass
		5240	5.13	<=11	Pass
802.11n (HT20)	SISO	5180	6.22	<=11	Pass
		5200	6.09	<=11	Pass
		5240	4.98	<=11	Pass

Note1: Antenna Gain: Ant1: 2.00dBi;

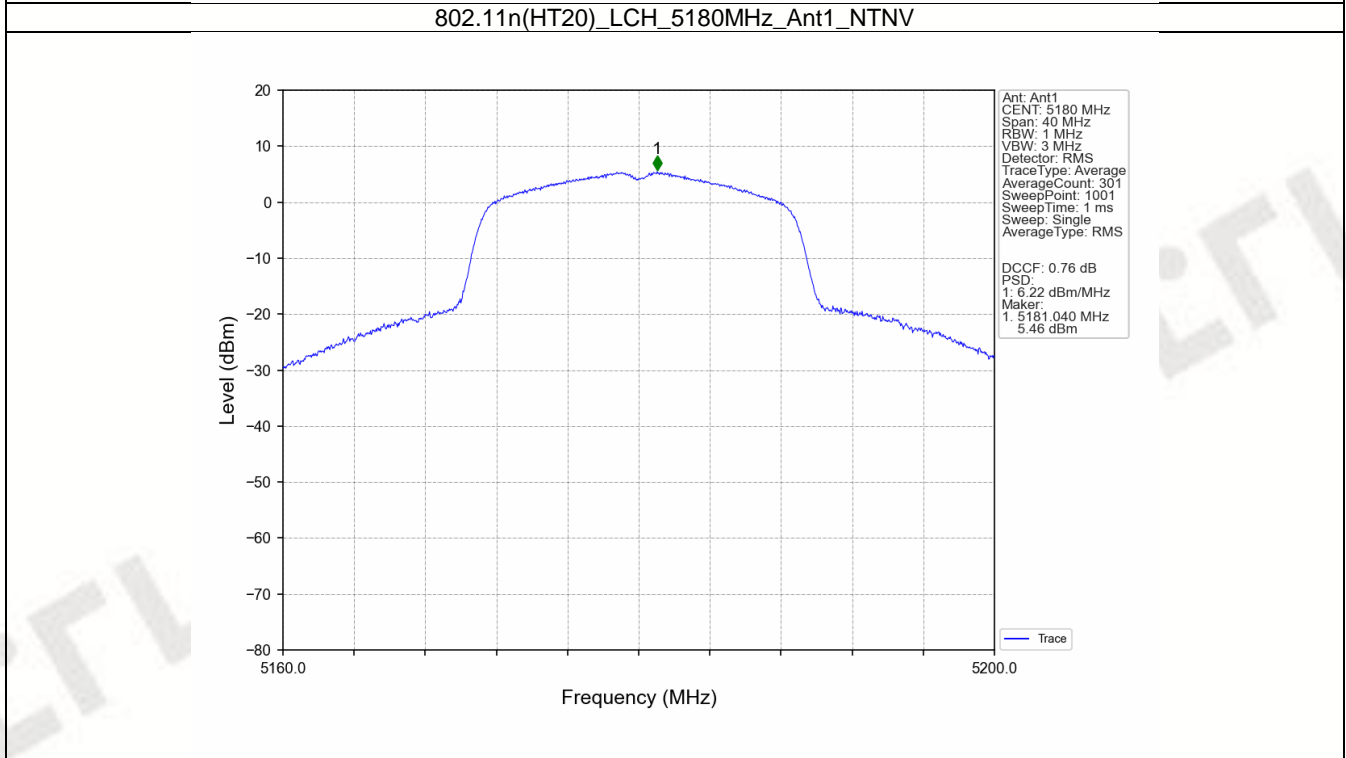
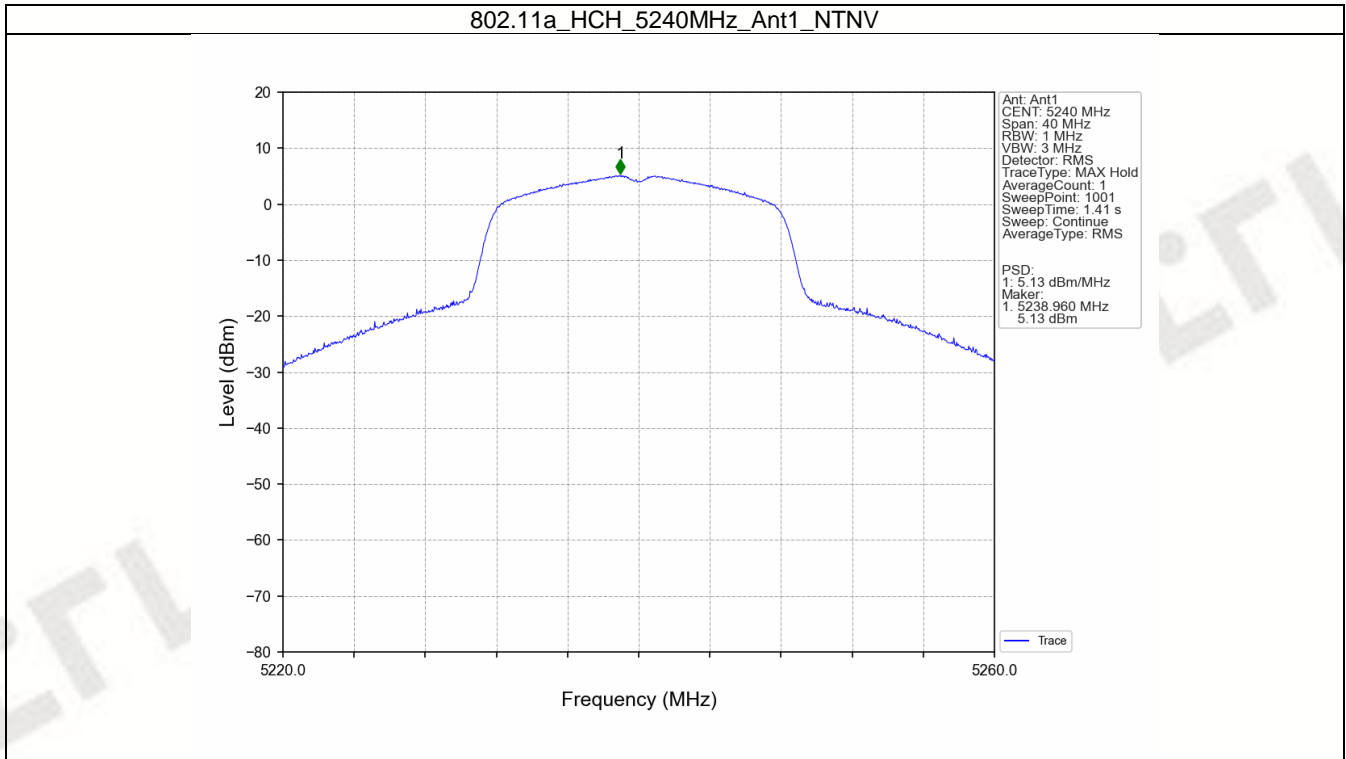
FCCID: 2BKN6-TXHE30W

### 3.2 Test Graph

#### 3.2.1 PSD

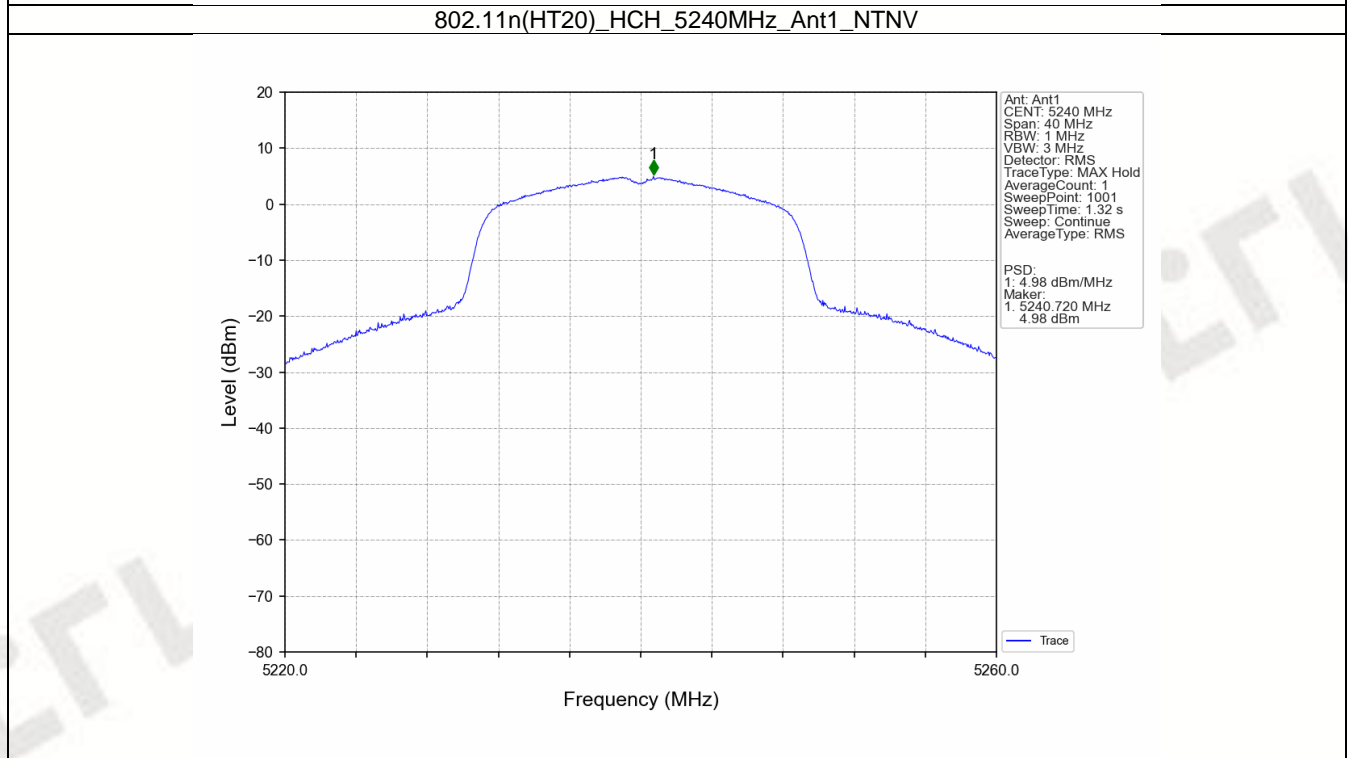
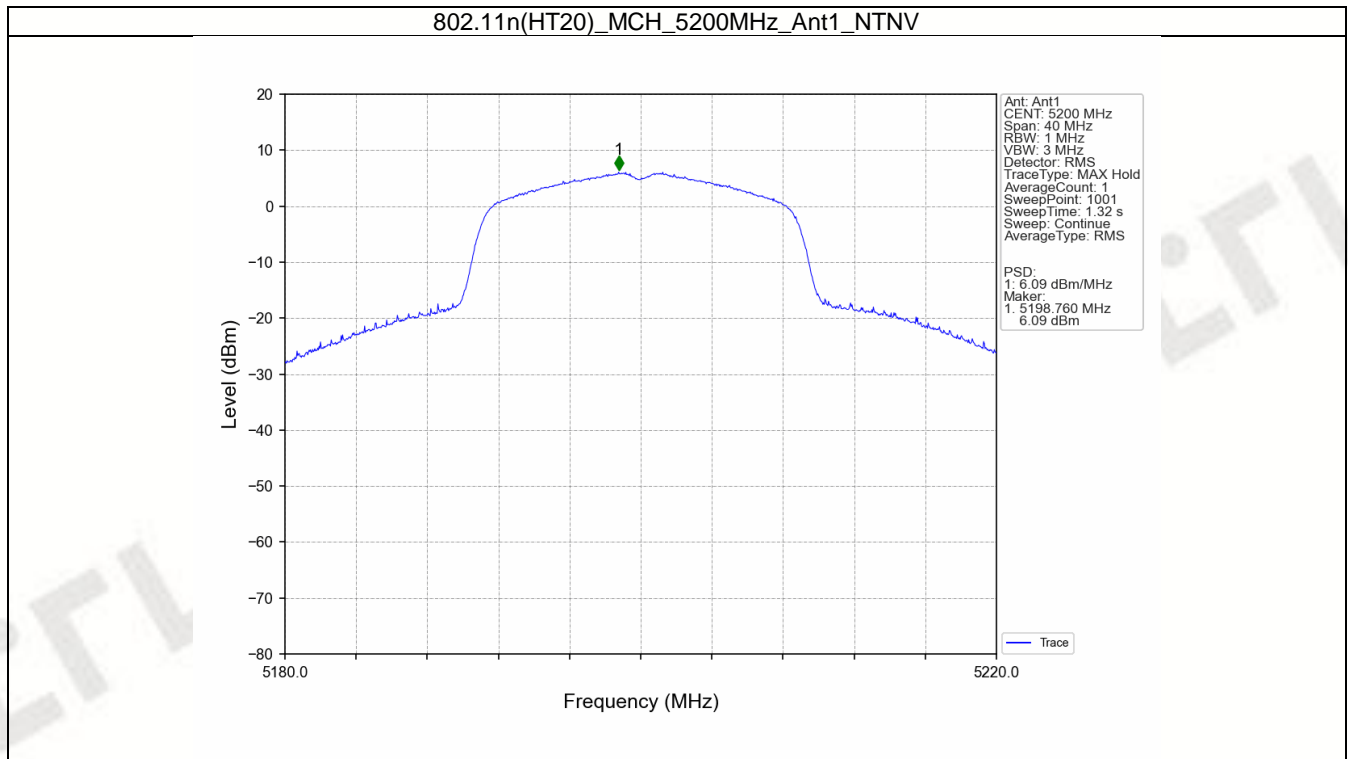


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FCCID: 2BKN6-TXHE30W



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## 4. Frequency Stability

### 4.1 Test Result

#### 4.1.1 Ant1

Ant1							
Mode	TX Type	Frequency (MHz)	Temperature (°C)	Voltage (VAC)	Measured Frequency (MHz)	Limit (MHz)	Verdict
Carrier Wave	SISO	5180	20	102	5179.981	5150 to 5250	Pass
				120	5179.981	5150 to 5250	Pass
				138	5179.981	5150 to 5250	Pass
			-30	120	5179.981	5150 to 5250	Pass
			-20	120	5179.981	5150 to 5250	Pass
			-10	120	5179.981	5150 to 5250	Pass
			0	120	5179.981	5150 to 5250	Pass
			10	120	5179.981	5150 to 5250	Pass
			30	120	5179.981	5150 to 5250	Pass
			40	120	5179.981	5150 to 5250	Pass
		50	120	5179.981	5150 to 5250	Pass	
		5200	20	102	5199.982	5150 to 5250	Pass
				120	5199.981	5150 to 5250	Pass
				138	5199.981	5150 to 5250	Pass
			-30	120	5199.981	5150 to 5250	Pass
			-20	120	5199.980	5150 to 5250	Pass
			-10	120	5199.980	5150 to 5250	Pass
			0	120	5199.981	5150 to 5250	Pass
			10	120	5199.981	5150 to 5250	Pass
			30	120	5199.981	5150 to 5250	Pass
			40	120	5199.981	5150 to 5250	Pass
		50	120	5199.981	5150 to 5250	Pass	
		5240	20	102	5239.980	5150 to 5250	Pass
				120	5239.980	5150 to 5250	Pass
				138	5239.980	5150 to 5250	Pass
			-30	120	5239.980	5150 to 5250	Pass
			-20	120	5239.981	5150 to 5250	Pass
			-10	120	5239.980	5150 to 5250	Pass
			0	120	5239.981	5150 to 5250	Pass
			10	120	5239.981	5150 to 5250	Pass
30	120		5239.981	5150 to 5250	Pass		
40	120		5239.981	5150 to 5250	Pass		
50	120	5239.981	5150 to 5250	Pass			

FCCID: 2BKN6-TXHE30W

## 5. Form731

### 5.1 Test Result

#### 5.1.1 Form731

Lower Freq (MHz)	High Freq (MHz)	MAX Power (W)	MAX Power (dBm)
5180	5240	0.0469	16.71