



## Annex for 5G Wi-Fi BAND 2C

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	5500	1	16.952	/	Pass
		5580	1	16.937	/	Pass
		5700	1	18.160	/	Pass
802.11n (HT20)	SISO	5500	1	17.856	/	Pass
		5580	1	17.960	/	Pass
		5700	1	18.597	/	Pass

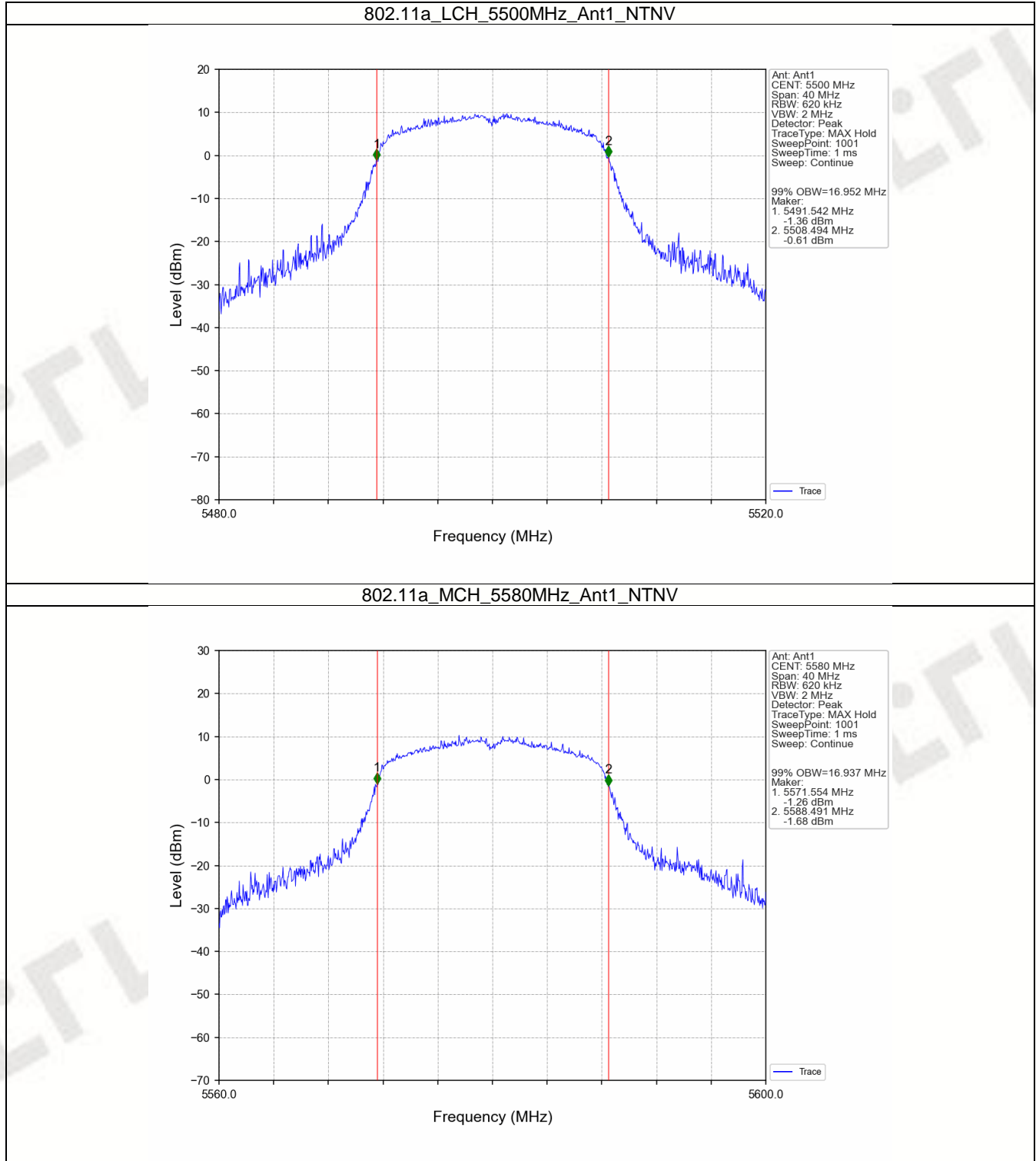
#### 1.1.2 26dB BW

Mode	TX Type	Frequency (MHz)	ANT	26dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5500	1	19.220	/	Pass
		5580	1	19.582	/	Pass
		5700	1	29.196	/	Pass
802.11n (HT20)	SISO	5500	1	20.450	/	Pass
		5580	1	22.491	/	Pass
		5700	1	30.704	/	Pass

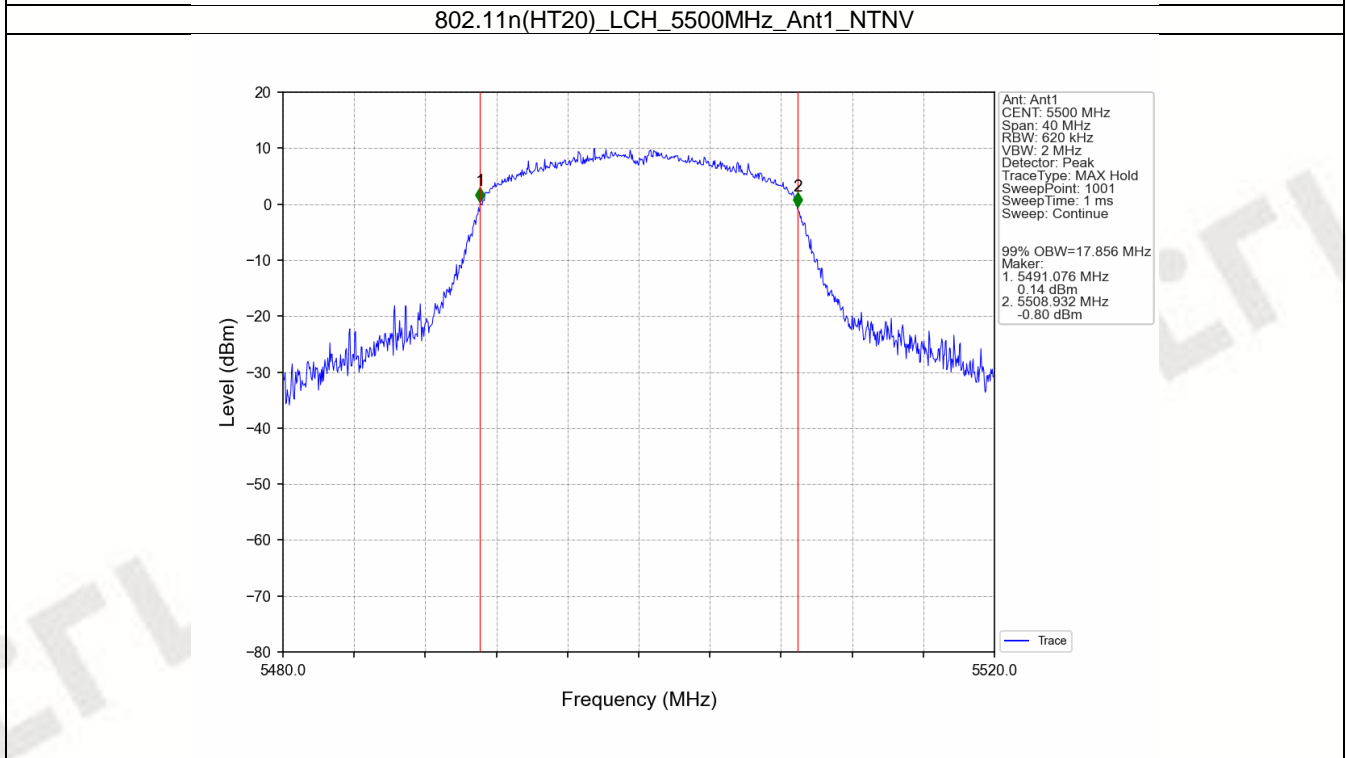
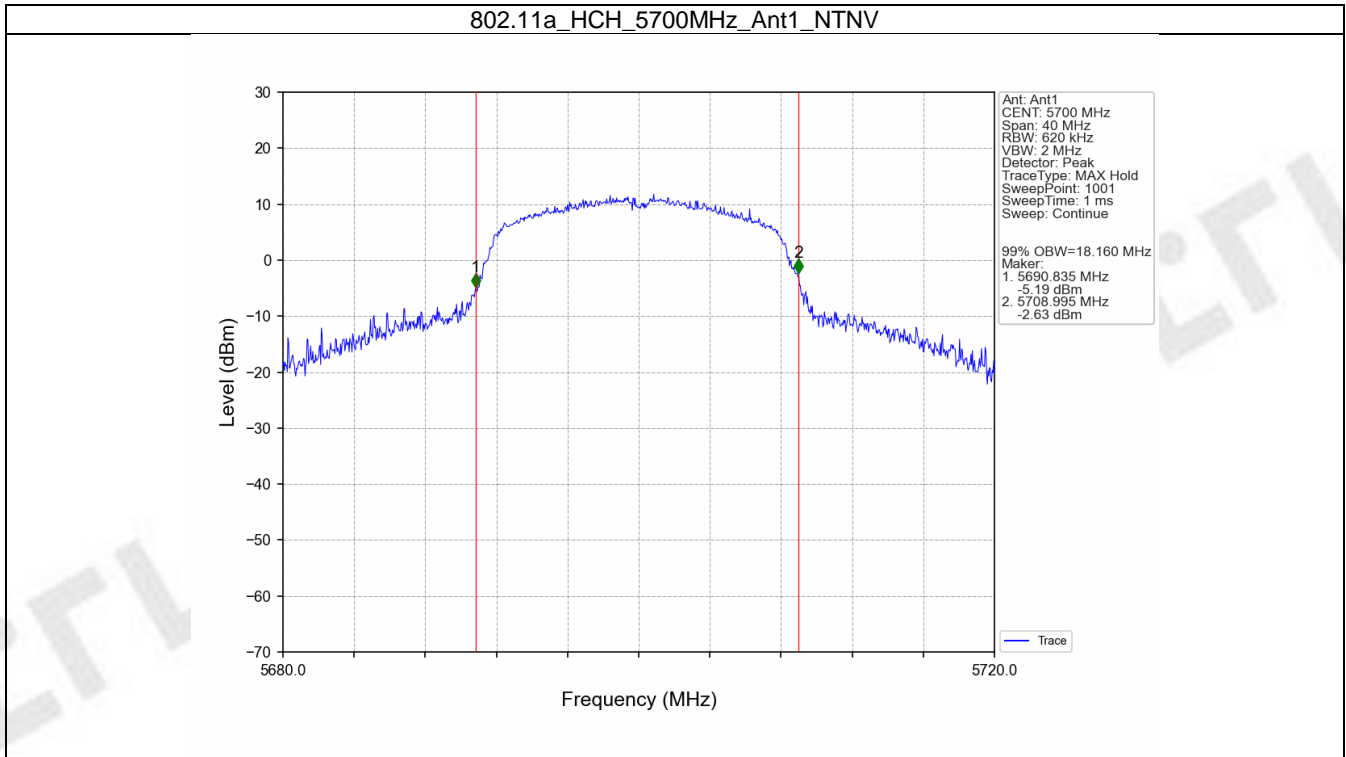
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### 1.2 Test Graph

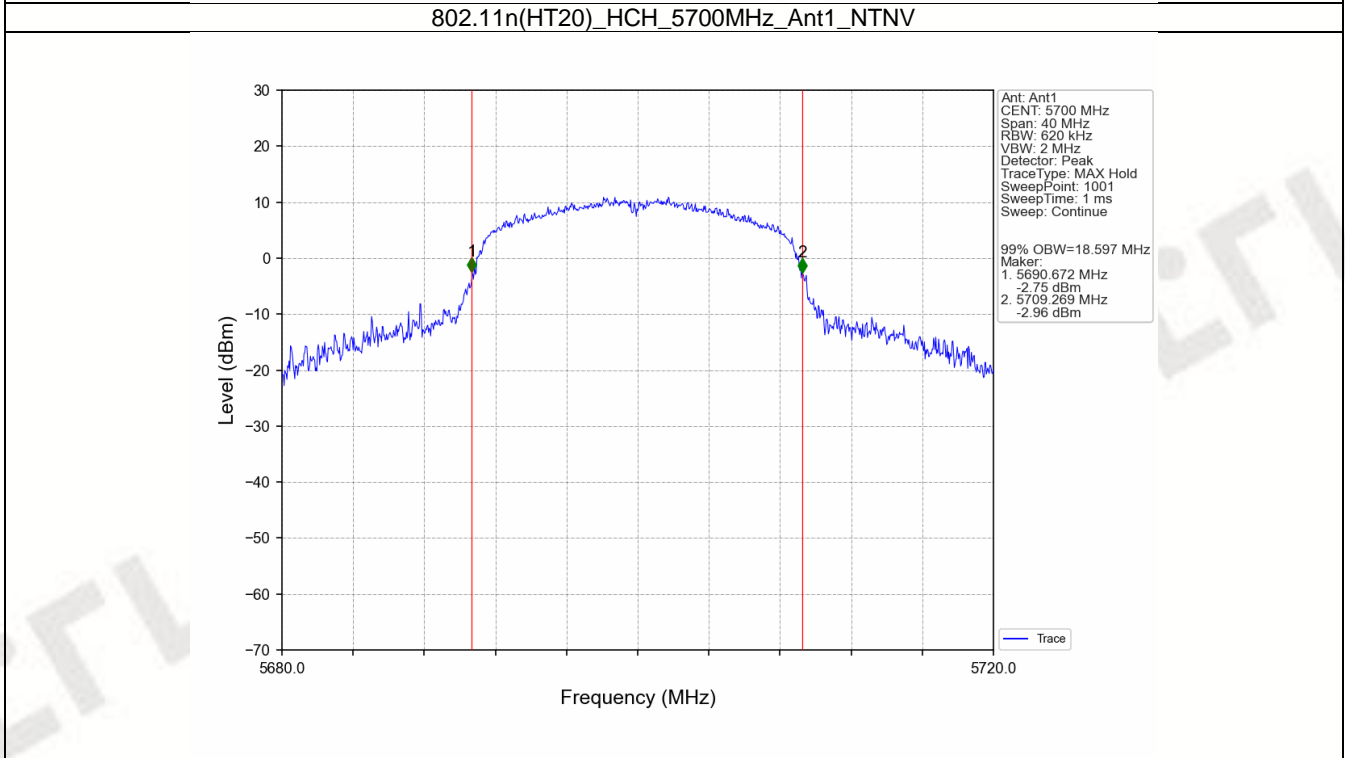
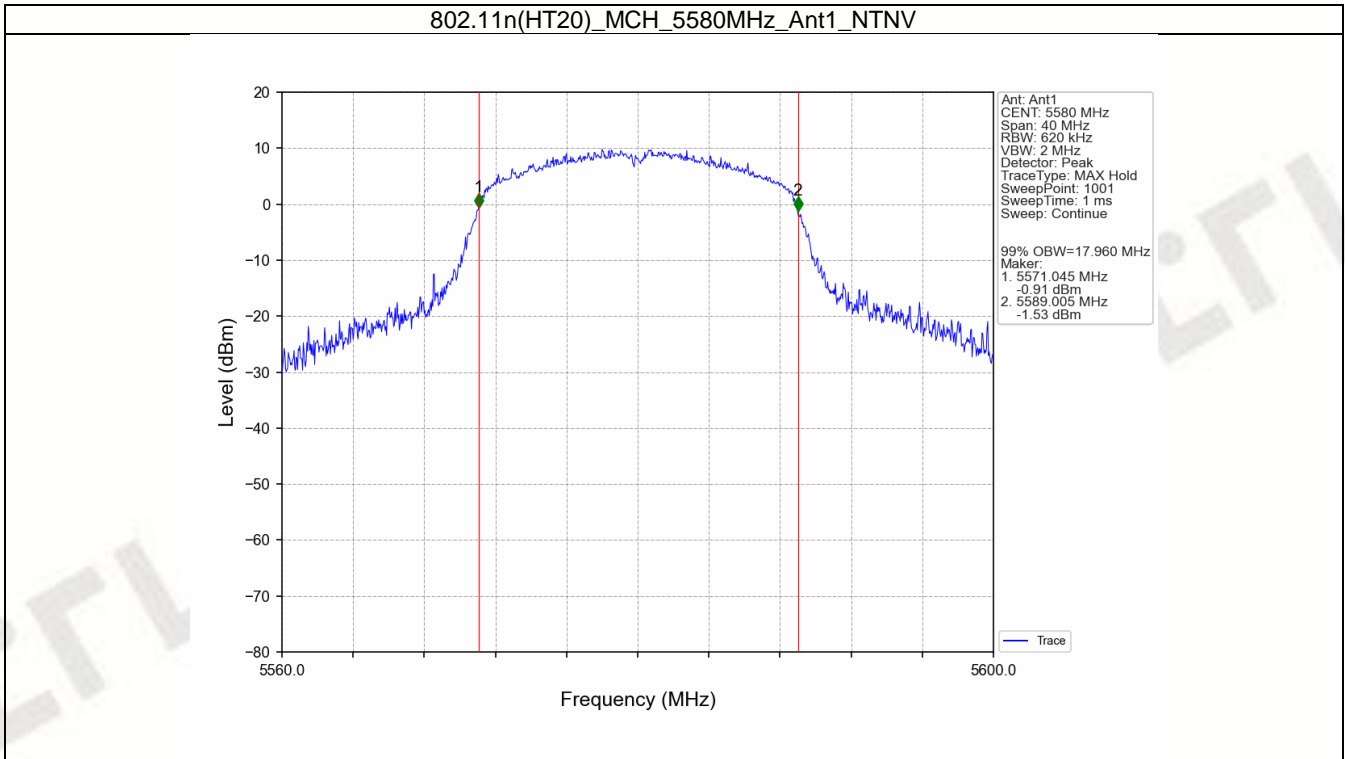
#### 1.2.1 OBW



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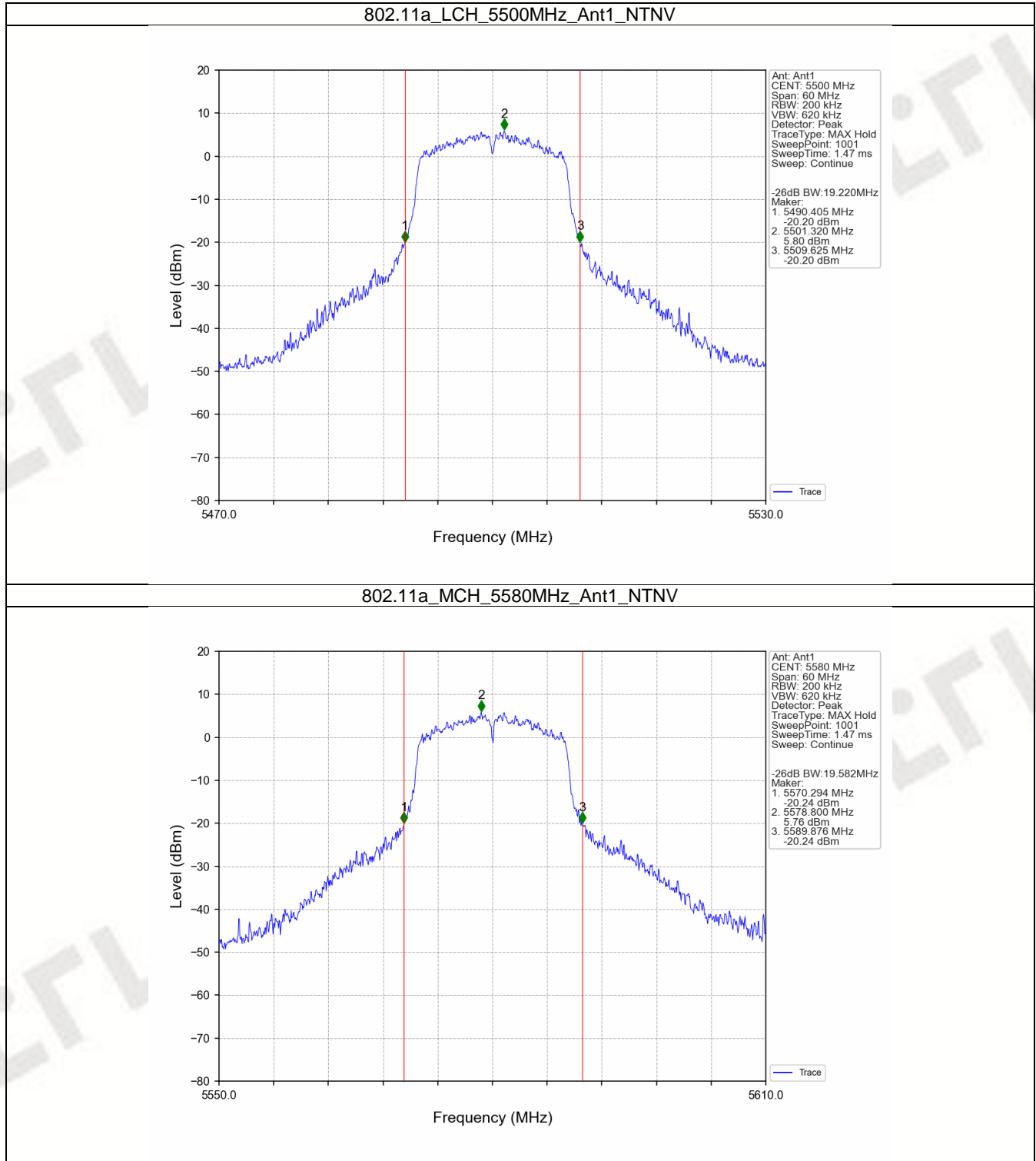


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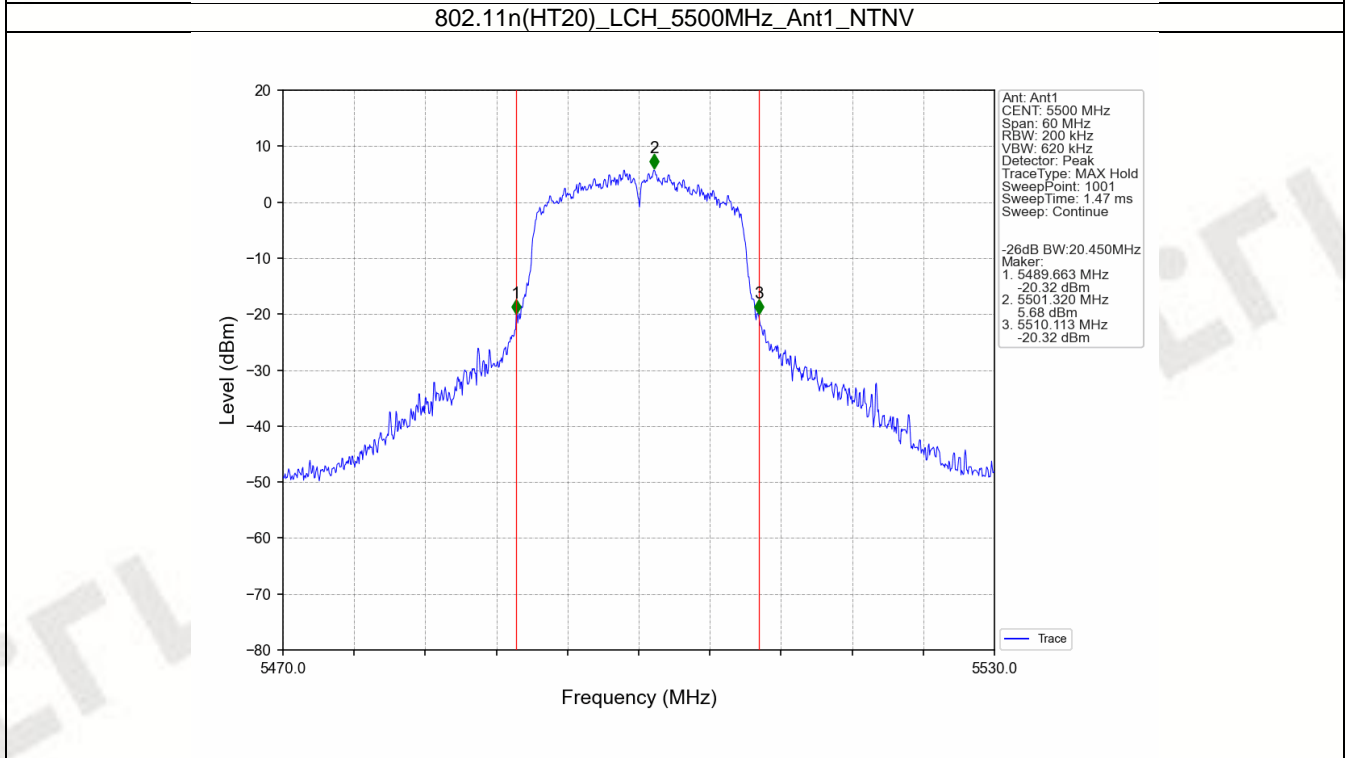
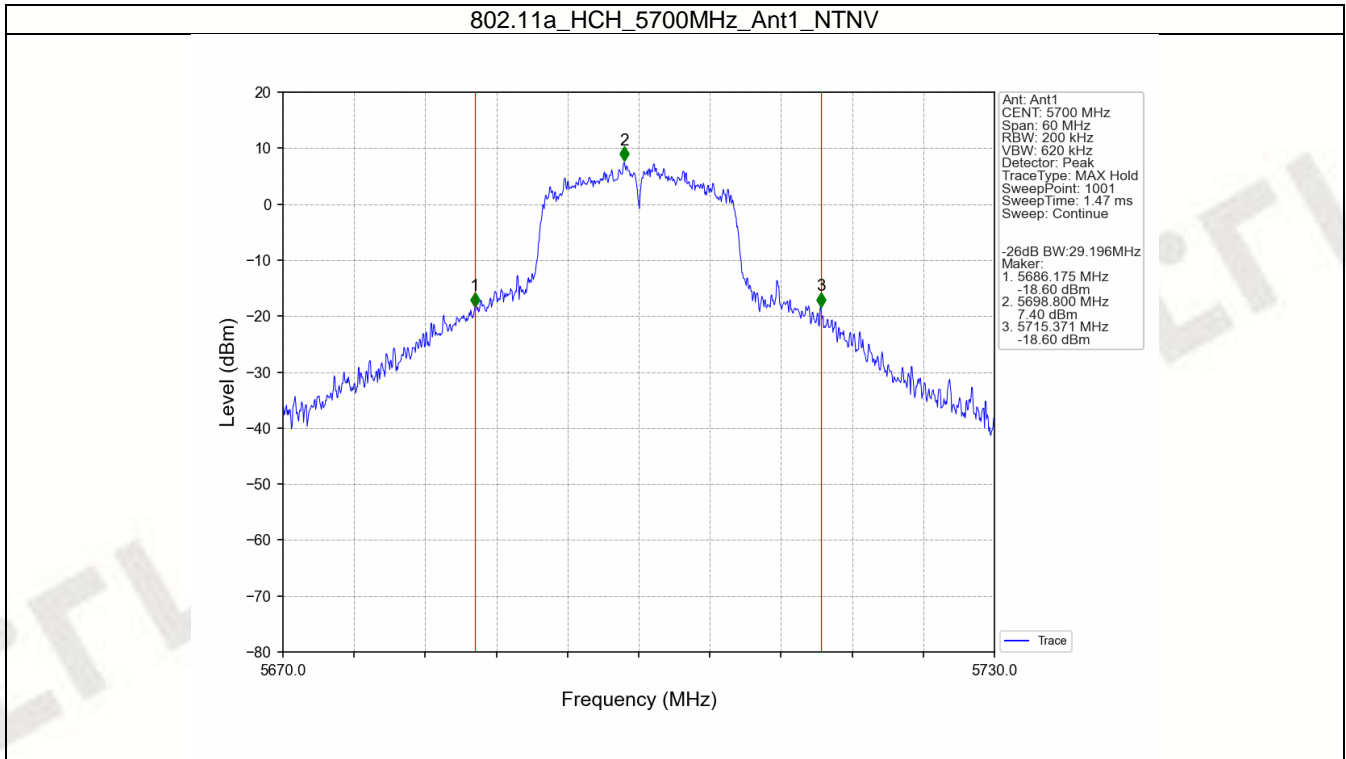


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### 1.2.2 26dB BW

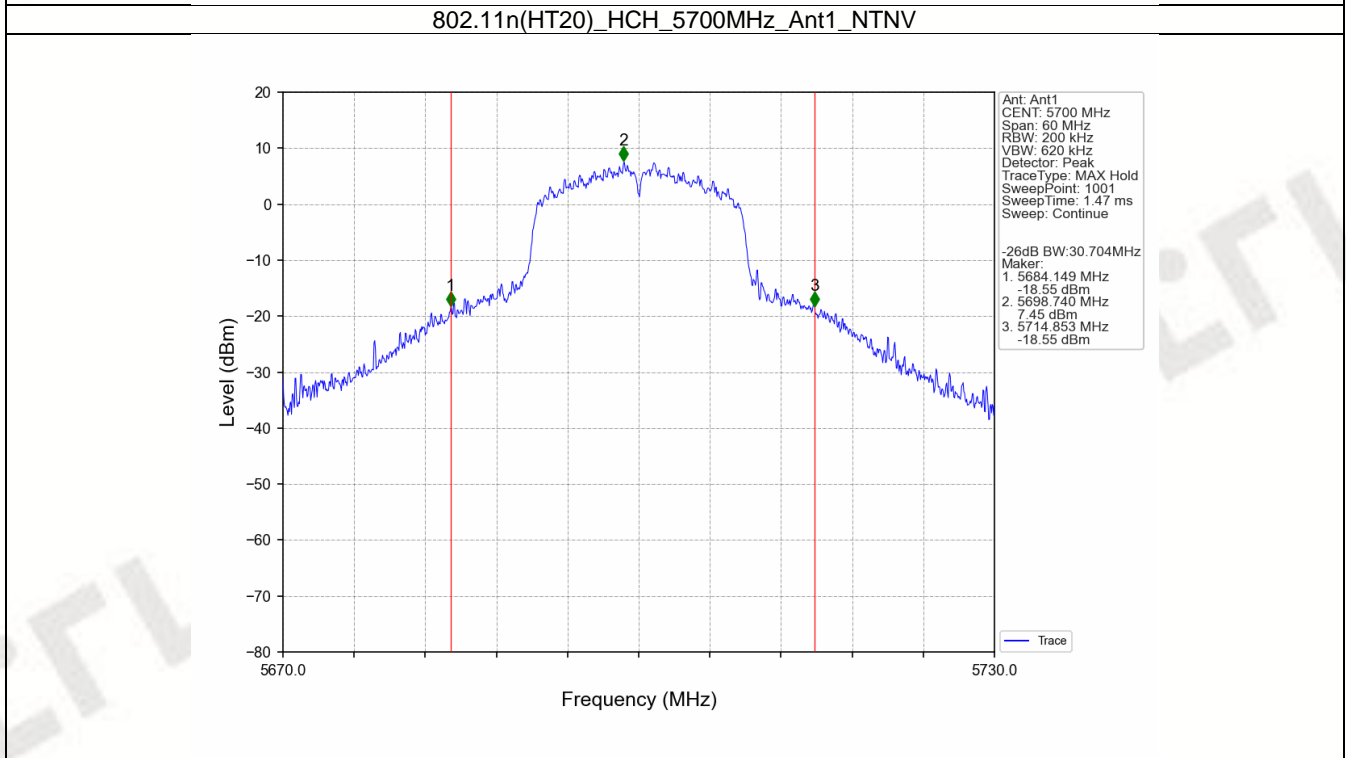
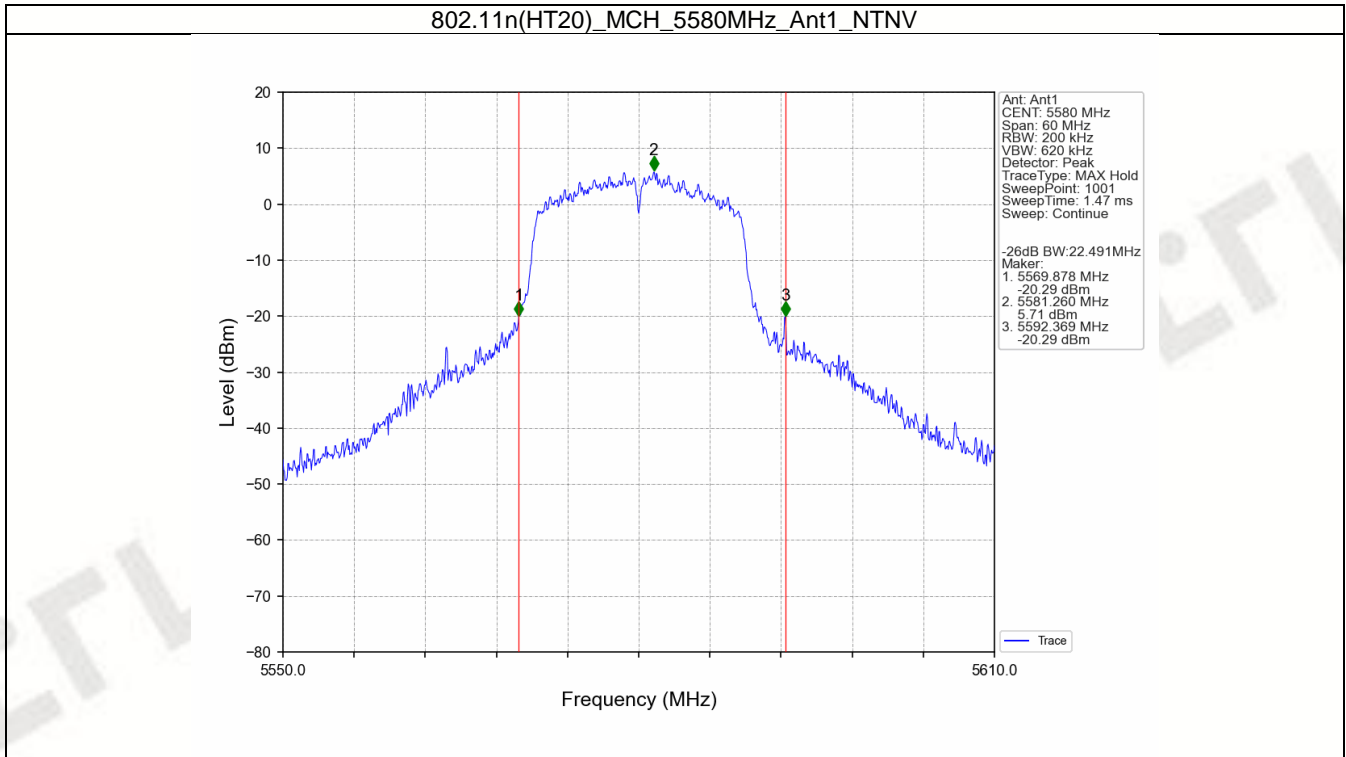


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FCCID: 2BKN6-TXHE30W



FCCID: 2BKN6-TXHE30W

## 2. Maximum Conducted Output Power

### 2.1 Test Result

#### 2.1.1 Power

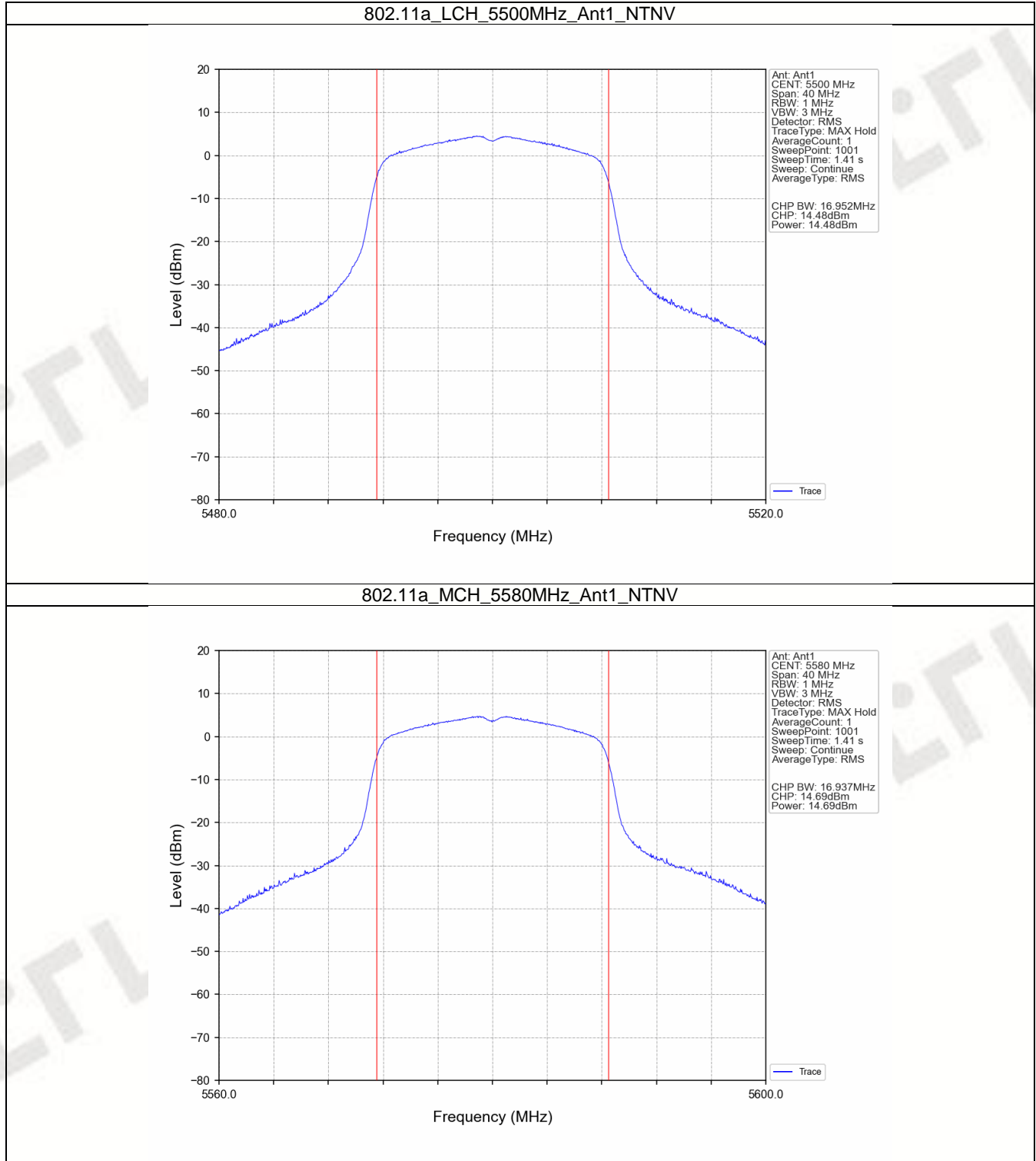
Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
802.11a	SISO	5500	14.48	<=23.98	Pass
		5580	14.69	<=23.98	Pass
		5700	16.13	<=23.98	Pass
802.11n (HT20)	SISO	5500	14.29	<=23.98	Pass
		5580	14.48	<=23.98	Pass
		5700	15.93	<=23.98	Pass

Note1: Antenna Gain: Ant1: 2.00dBi;

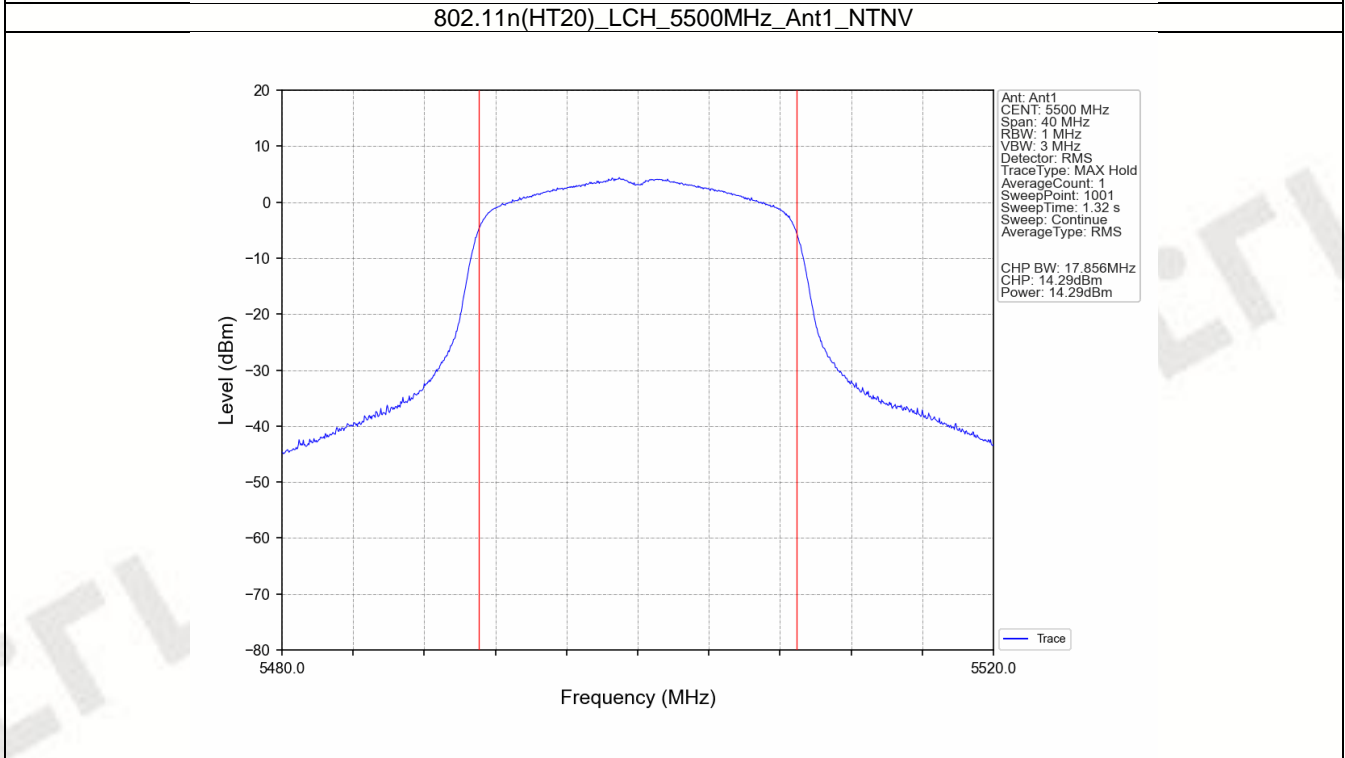
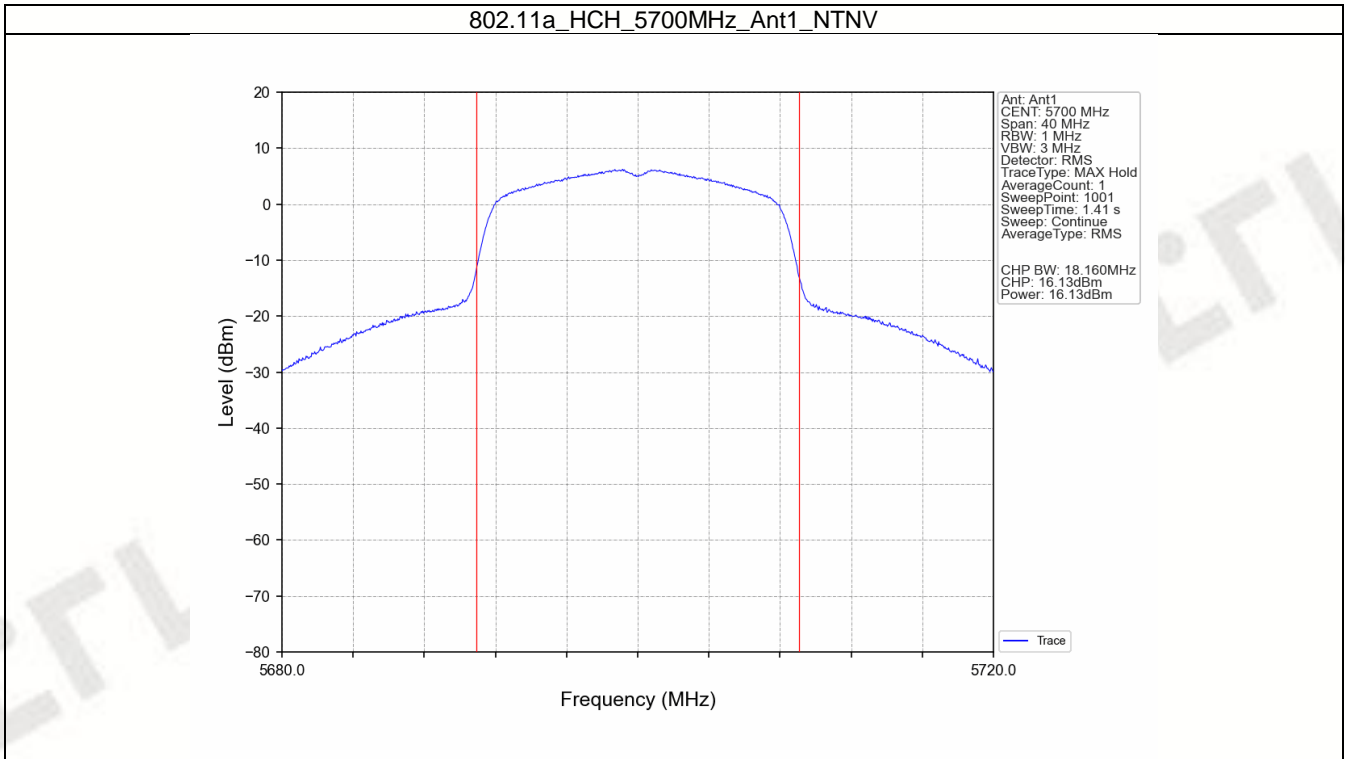
FCCID: 2BKN6-TXHE30W

## 2.2 Test Graph

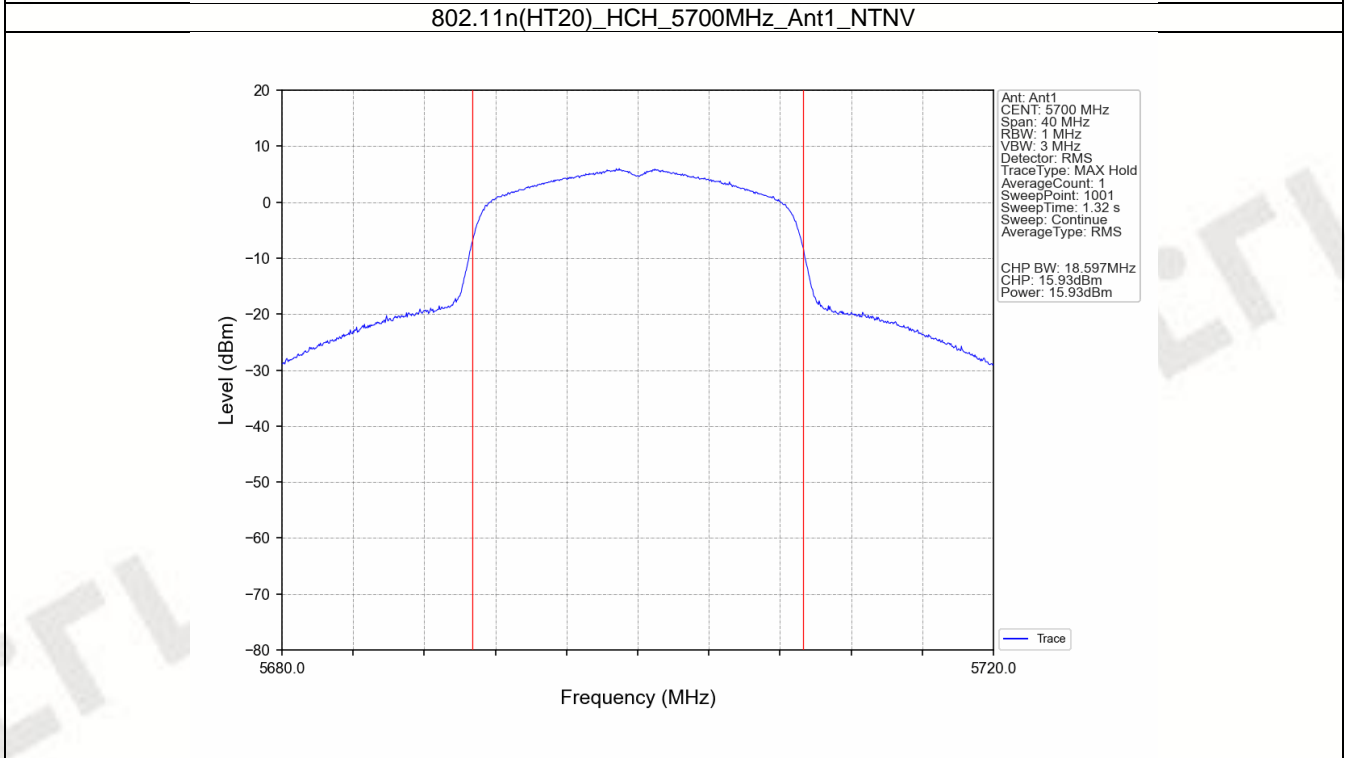
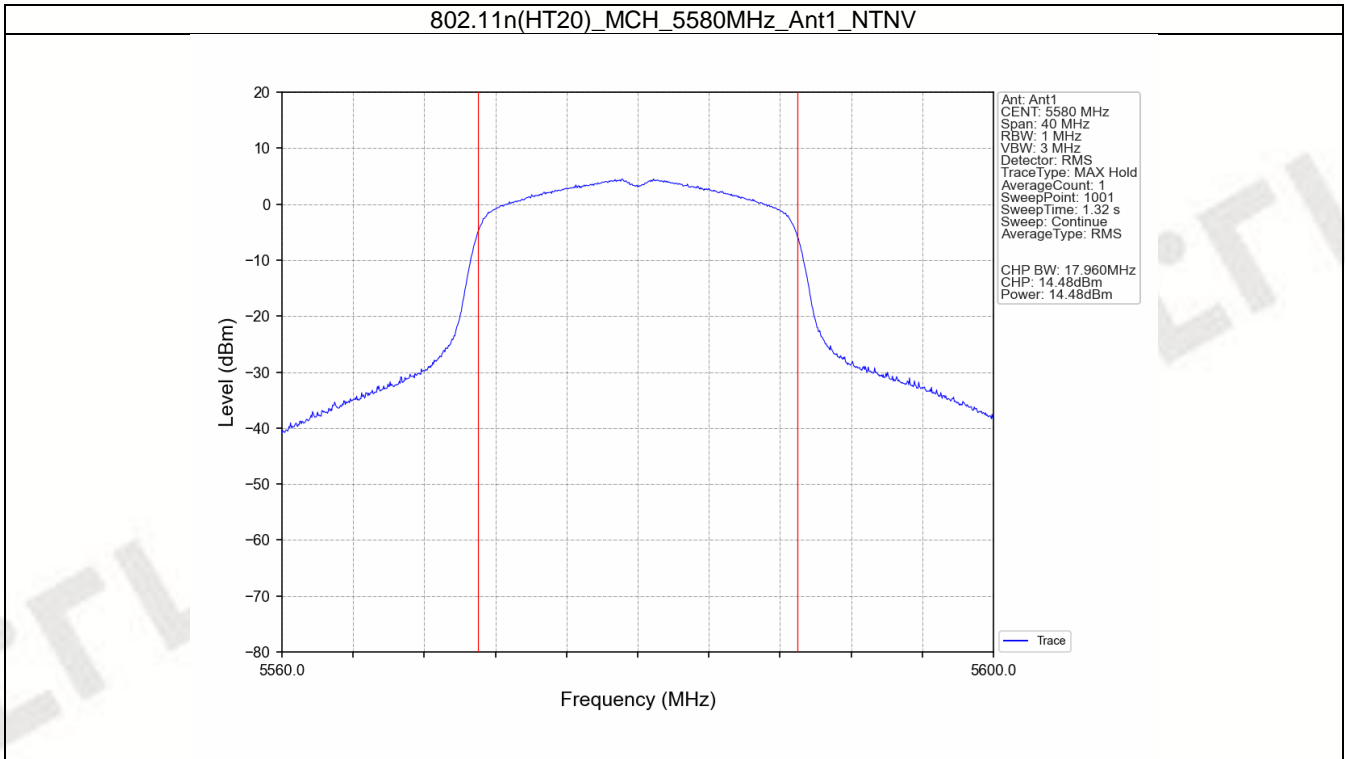
### 2.2.1 Power



FCCID: 2BKN6-TXHE30W



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### 3. Maximum Power Spectral Density

#### 3.1 Test Result

##### 3.1.1 PSD

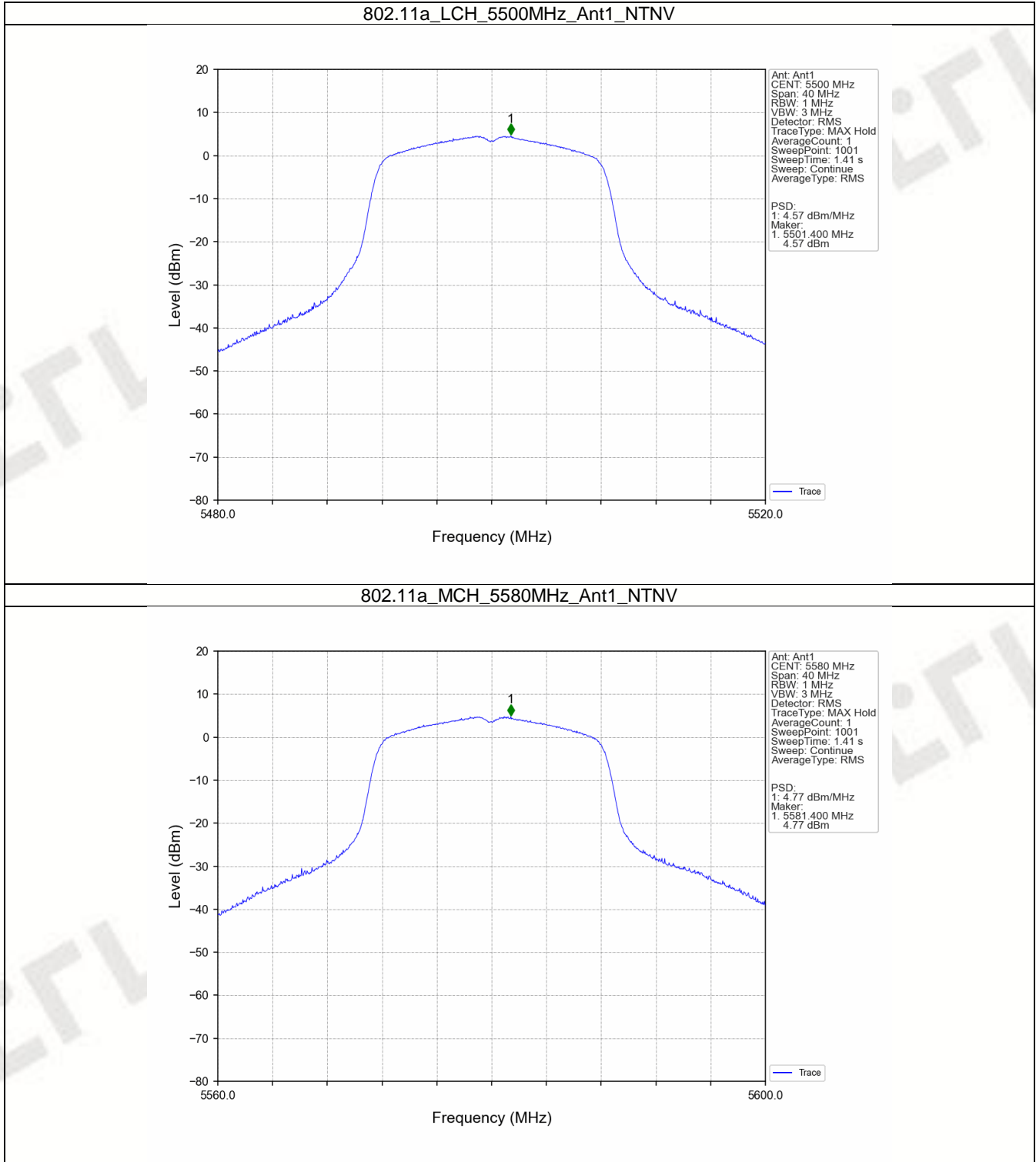
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/MHz)		Verdict
			ANT1	Limit	
802.11a	SISO	5500	4.57	<=11	Pass
		5580	4.77	<=11	Pass
		5700	6.30	<=11	Pass
802.11n (HT20)	SISO	5500	4.31	<=11	Pass
		5580	4.63	<=11	Pass
		5700	5.94	<=11	Pass

Note1: Antenna Gain: Ant1: 2.00dBi;

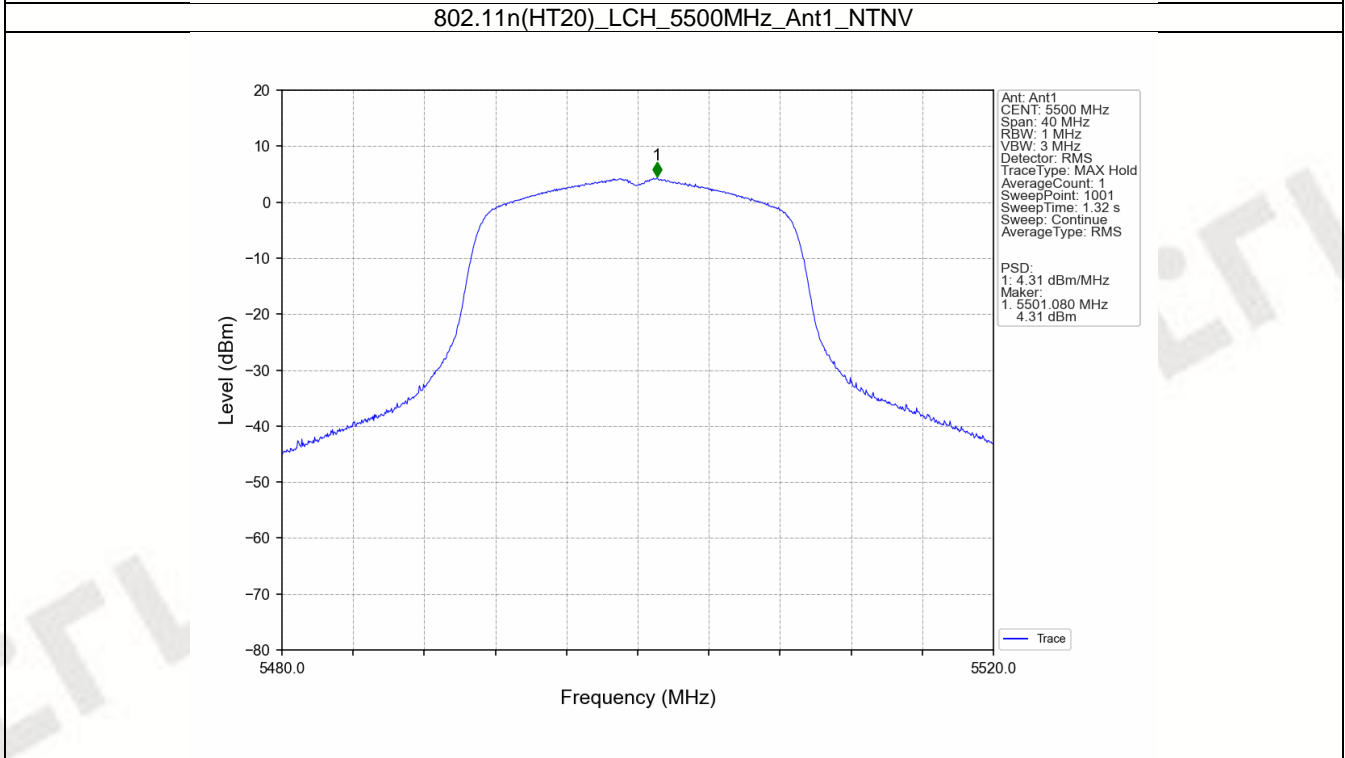
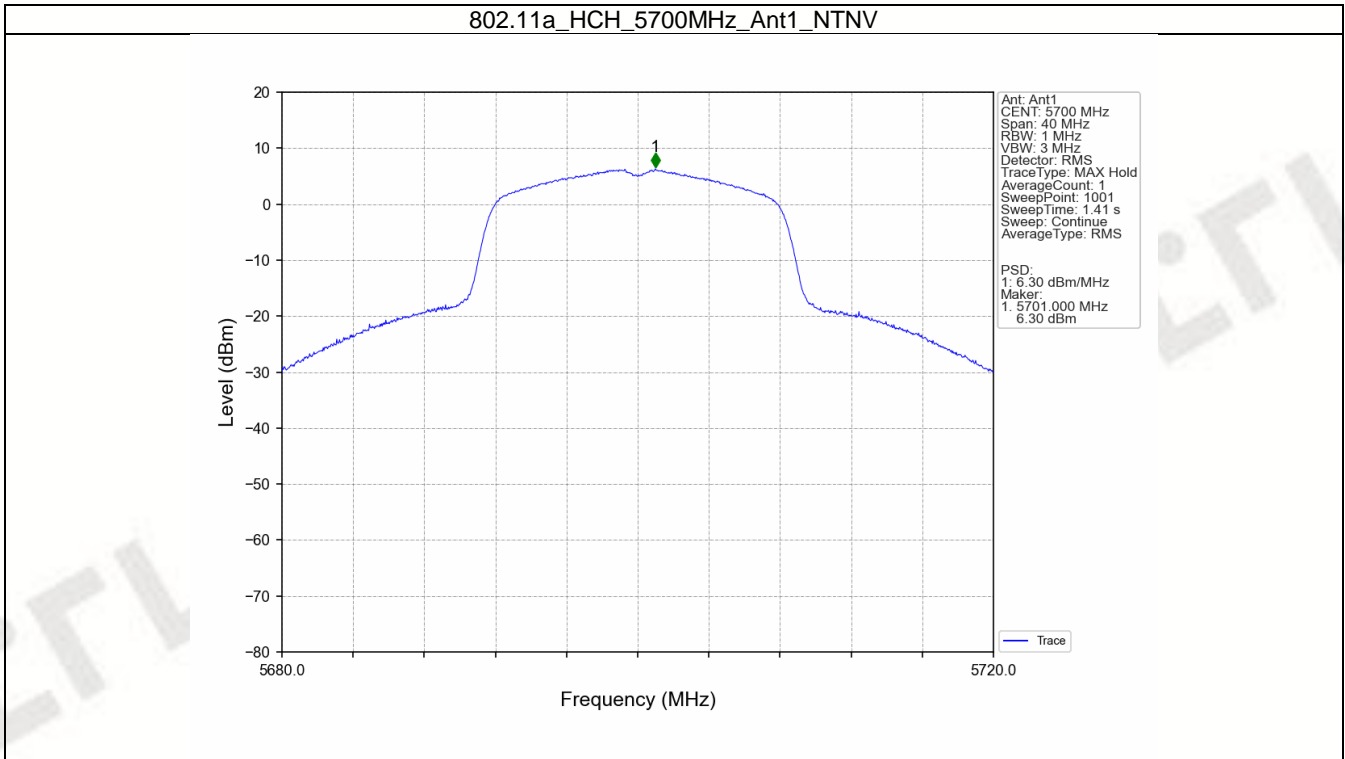
FCCID: 2BKN6-TXHE30W

### 3.2 Test Graph

#### 3.2.1 PSD



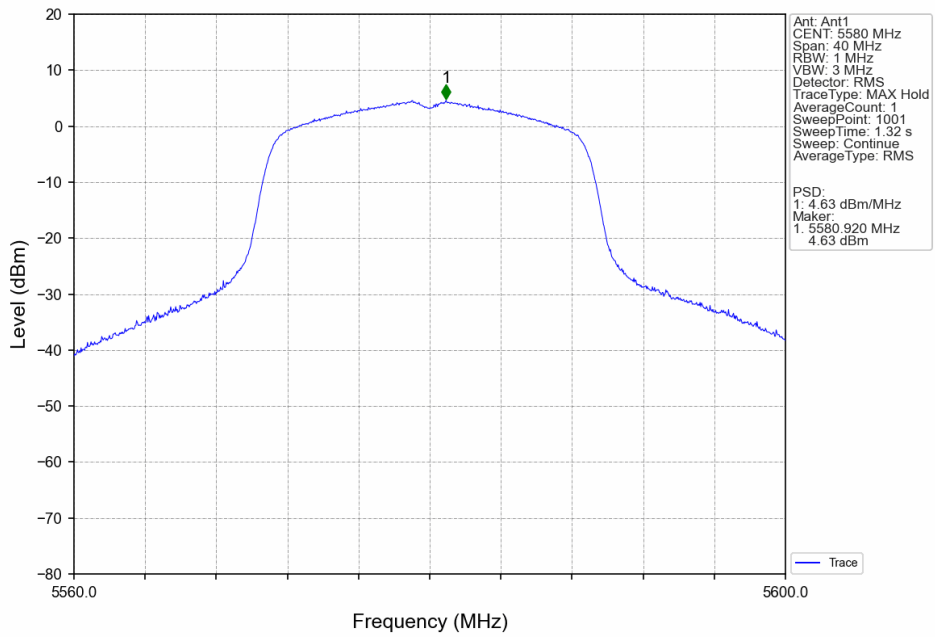
FCCID: 2BKN6-TXHE30W



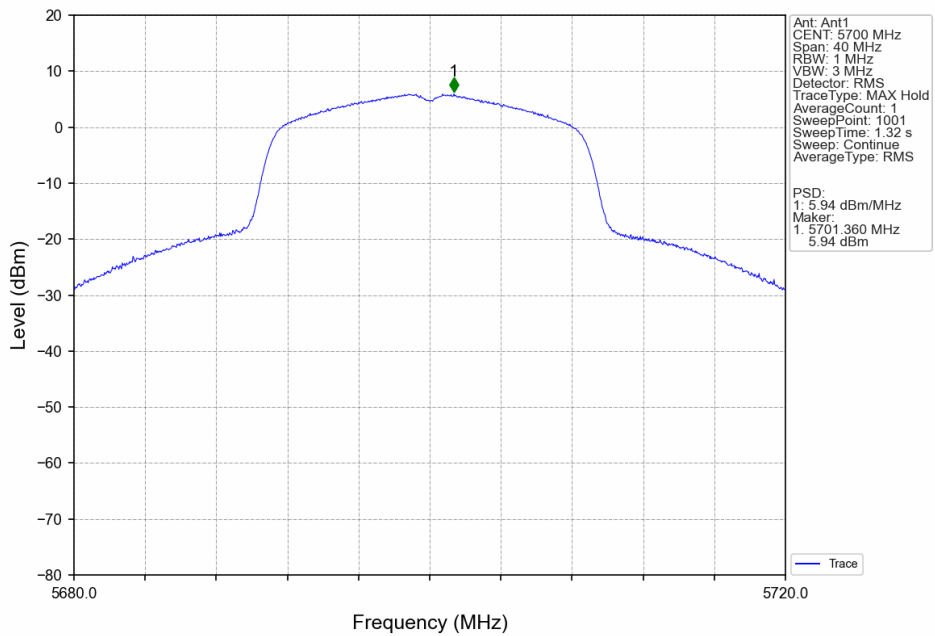


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802.11n(HT20)\_MCH\_5580MHz\_Ant1\_NTNV



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



FCCID: 2BKN6-TXHE30W

### 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	5500	20	102	5499.980	5470 to 5725	Pass
				120	5499.980	5470 to 5725	Pass
				138	5499.980	5470 to 5725	Pass
			-30	120	5499.980	5470 to 5725	Pass
			-20	120	5499.980	5470 to 5725	Pass
			-10	120	5499.980	5470 to 5725	Pass
			0	120	5499.980	5470 to 5725	Pass
			10	120	5499.980	5470 to 5725	Pass
			30	120	5499.980	5470 to 5725	Pass
			40	120	5499.980	5470 to 5725	Pass
		50	120	5499.980	5470 to 5725	Pass	
		5580	20	102	5579.979	5470 to 5725	Pass
				120	5579.979	5470 to 5725	Pass
				138	5579.979	5470 to 5725	Pass
			-30	120	5579.979	5470 to 5725	Pass
			-20	120	5579.979	5470 to 5725	Pass
			-10	120	5579.979	5470 to 5725	Pass
			0	120	5579.979	5470 to 5725	Pass
			10	120	5579.980	5470 to 5725	Pass
			30	120	5579.979	5470 to 5725	Pass
			40	120	5579.979	5470 to 5725	Pass
		50	120	5579.980	5470 to 5725	Pass	
		5700	20	102	5699.978	5470 to 5725	Pass
				120	5699.979	5470 to 5725	Pass
				138	5699.979	5470 to 5725	Pass
			-30	120	5699.979	5470 to 5725	Pass
			-20	120	5699.979	5470 to 5725	Pass
			-10	120	5699.979	5470 to 5725	Pass
			0	120	5699.979	5470 to 5725	Pass
			10	120	5699.979	5470 to 5725	Pass
30	120		5699.979	5470 to 5725	Pass		
40	120		5699.979	5470 to 5725	Pass		
50	120	5699.979	5470 to 5725	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)
5500	5700	0.0410	16.13