



Annex for 5G Wi-Fi BAND 2A

Test Report No.: CTL2409192011-WF

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FCCID: 2BKN6-TXHE30W

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	5260	1	22.617	/	Pass
		5300	1	18.184	/	Pass
		5320	1	17.979	/	Pass
802.11n (HT20)	SISO	5260	1	23.620	/	Pass
		5300	1	19.034	/	Pass
		5320	1	18.739	/	Pass

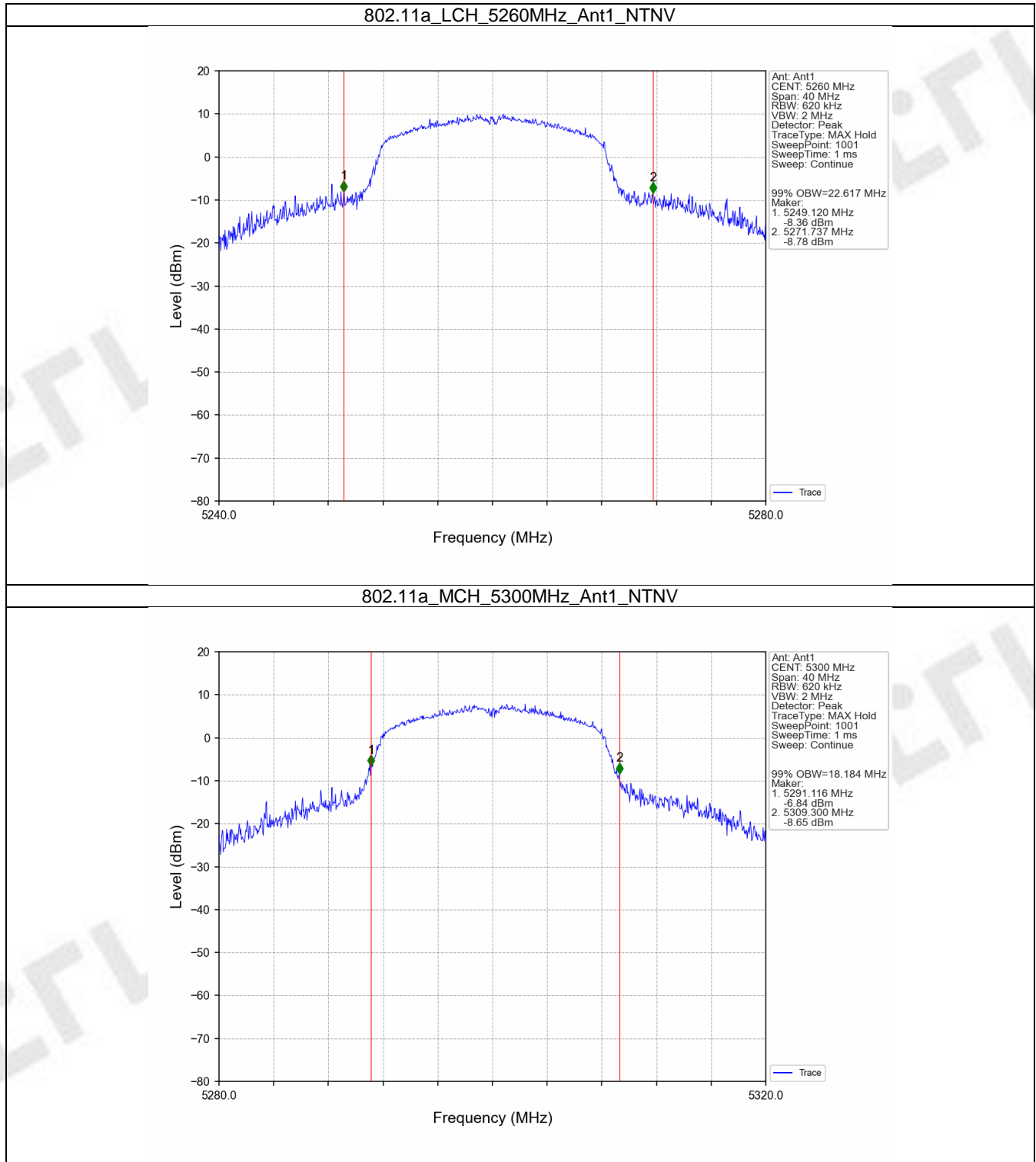
1.1.2 26dB BW

Mode	TX Type	Frequency (MHz)	ANT	26dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5260	1	32.969	/	Pass
		5300	1	28.540	/	Pass
		5320	1	27.073	/	Pass
802.11n (HT20)	SISO	5260	1	36.310	/	Pass
		5300	1	26.815	/	Pass
		5320	1	26.538	/	Pass

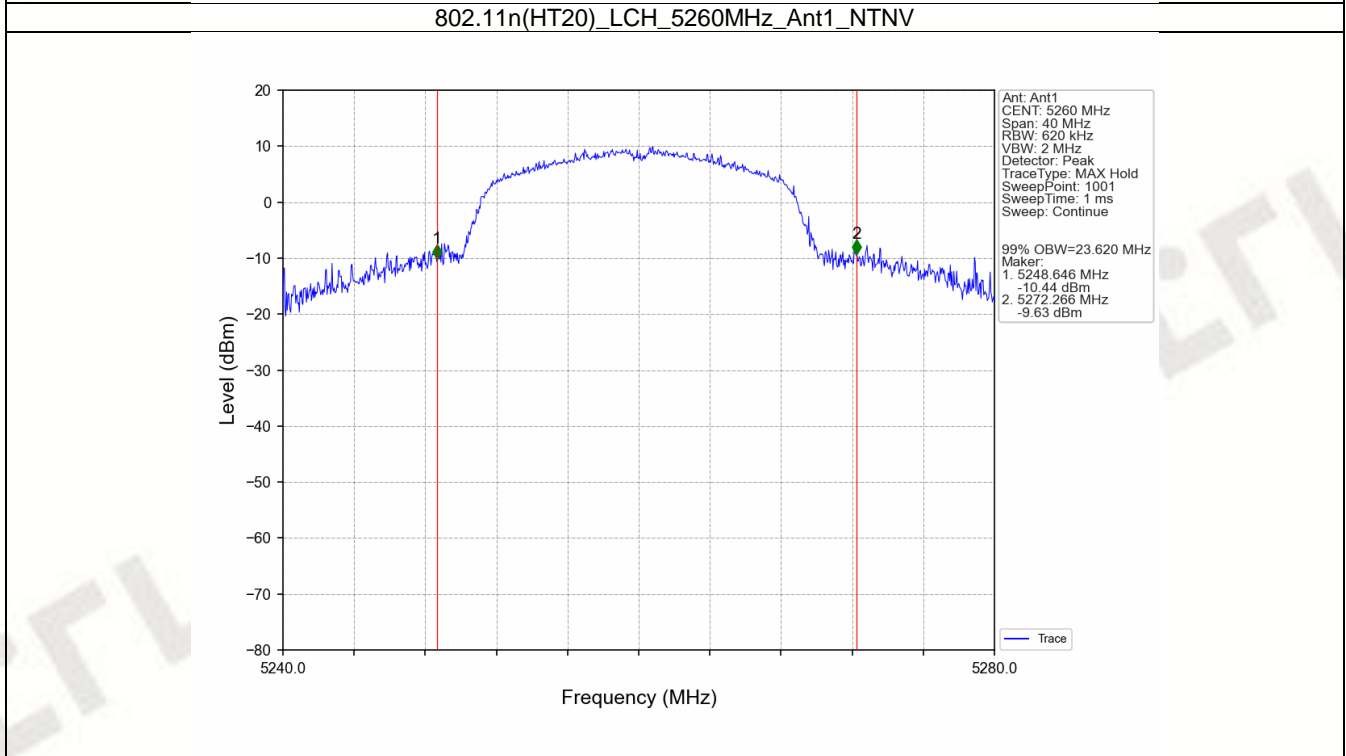
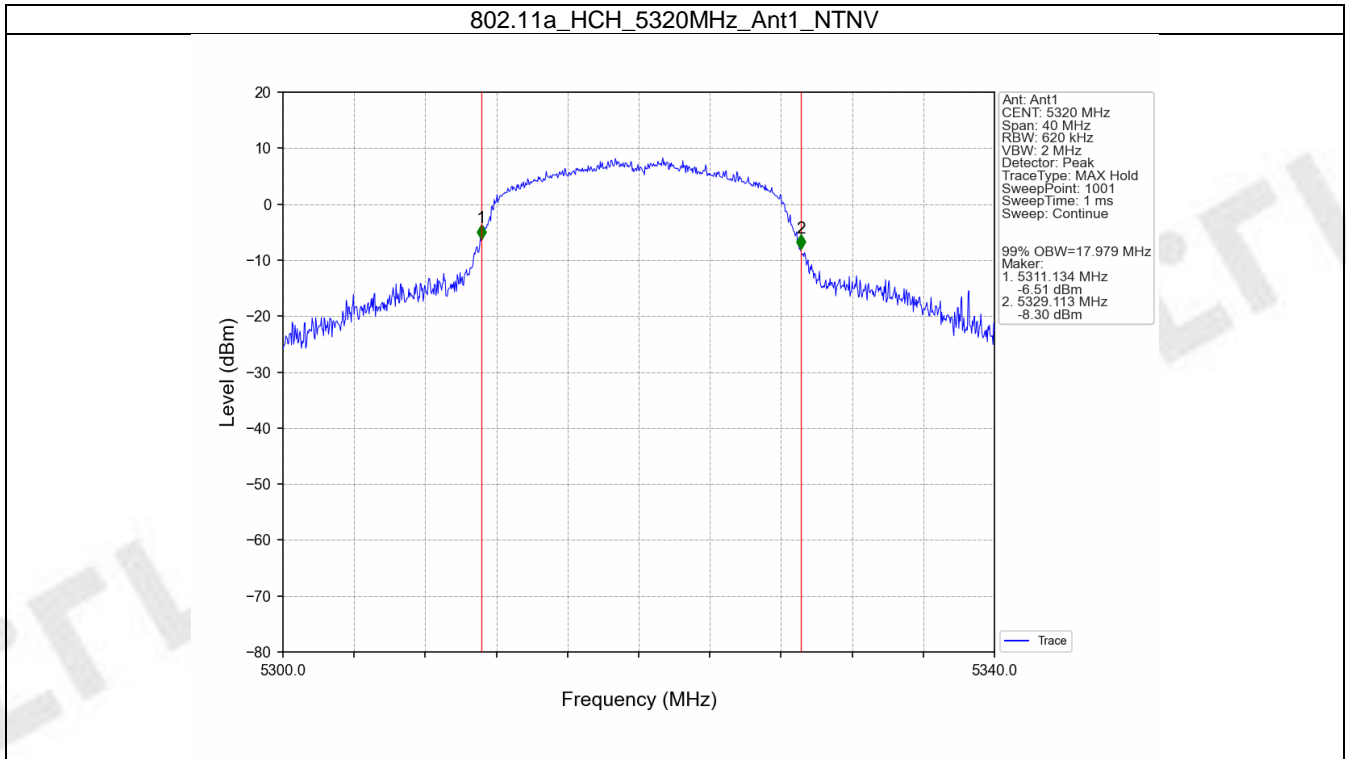
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1.2 Test Graph

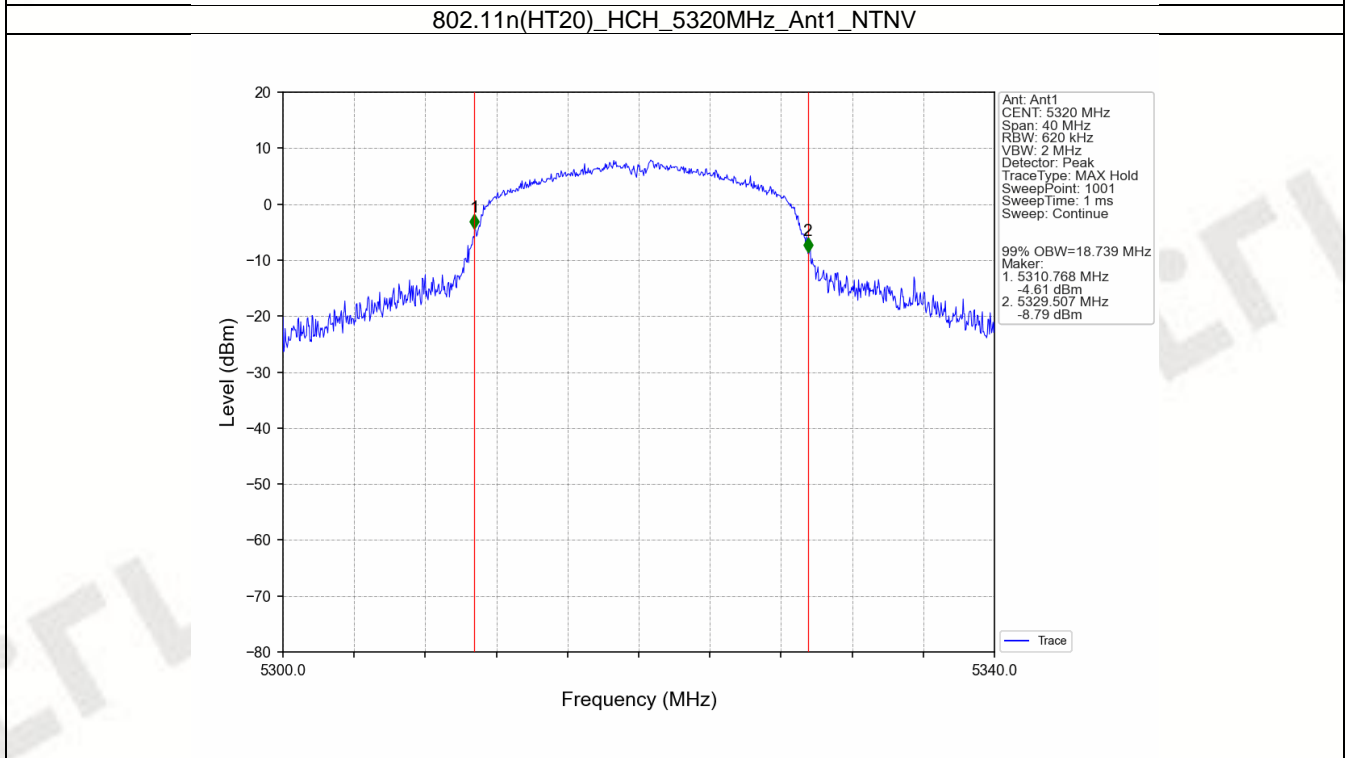
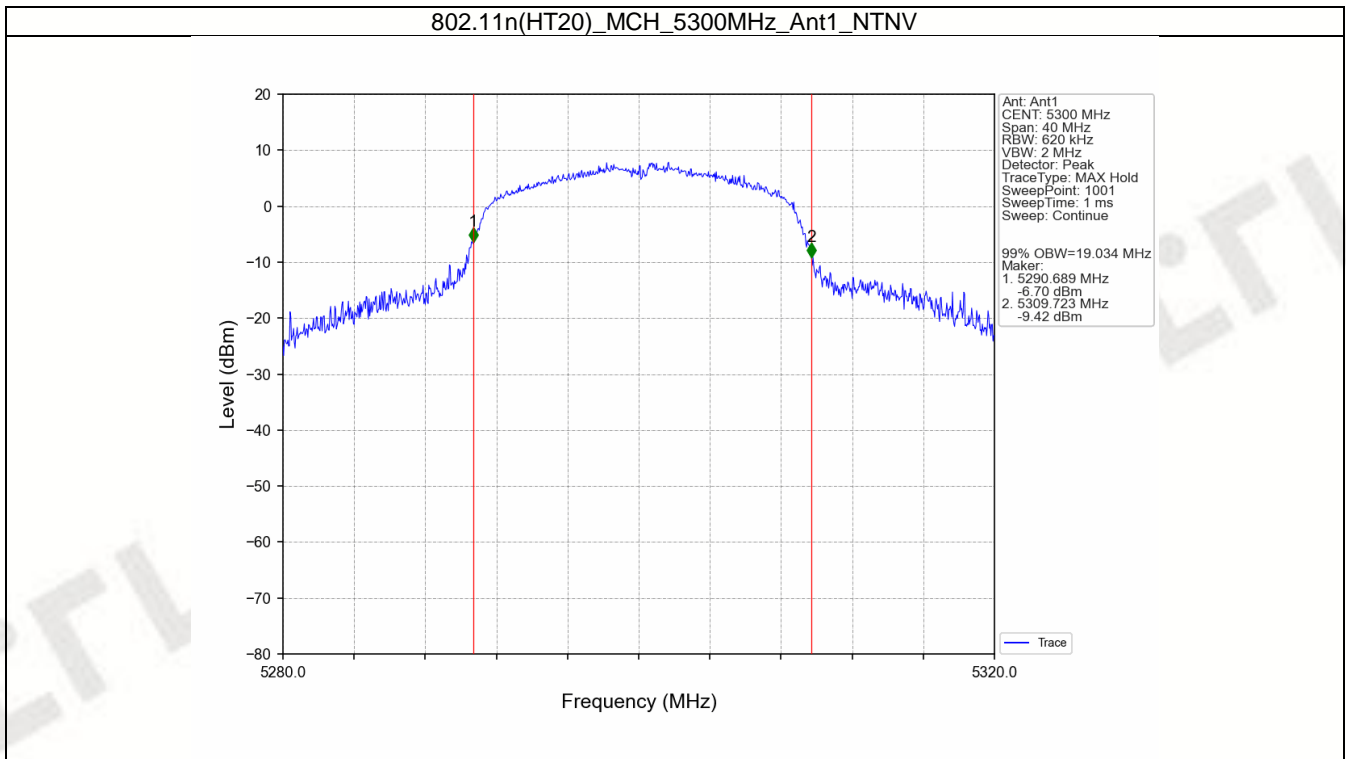
1.2.1 OBW



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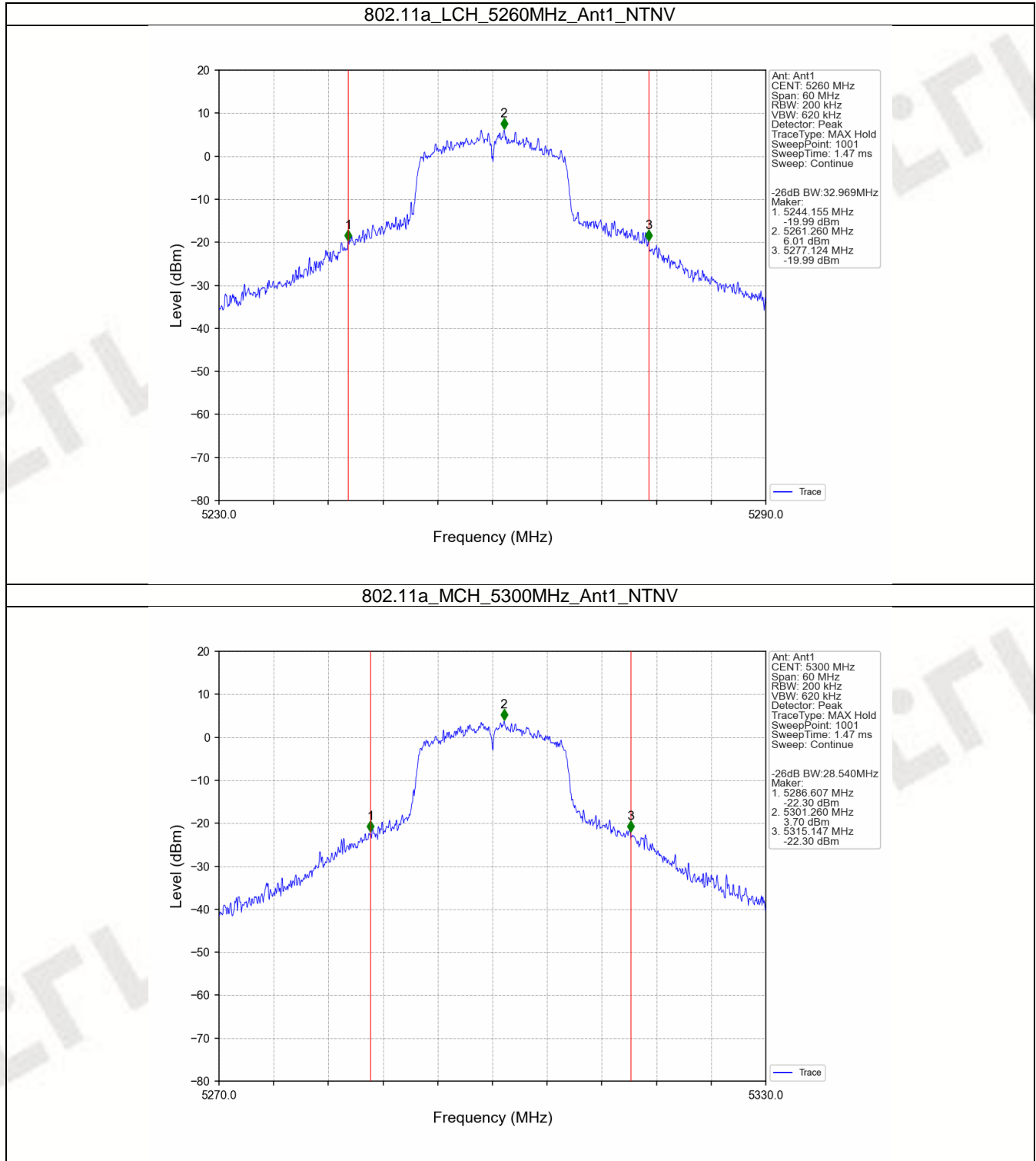


FCCID: 2BKN6-TXHE30W

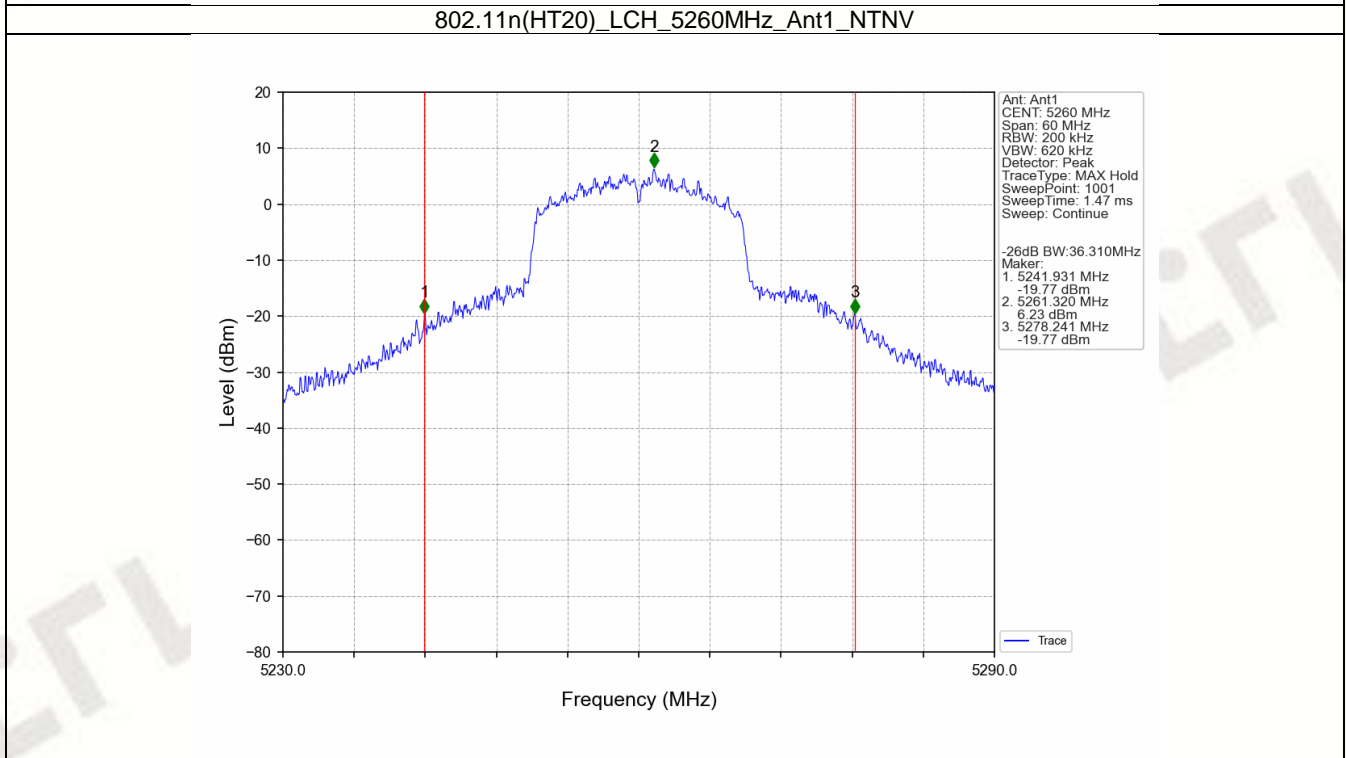
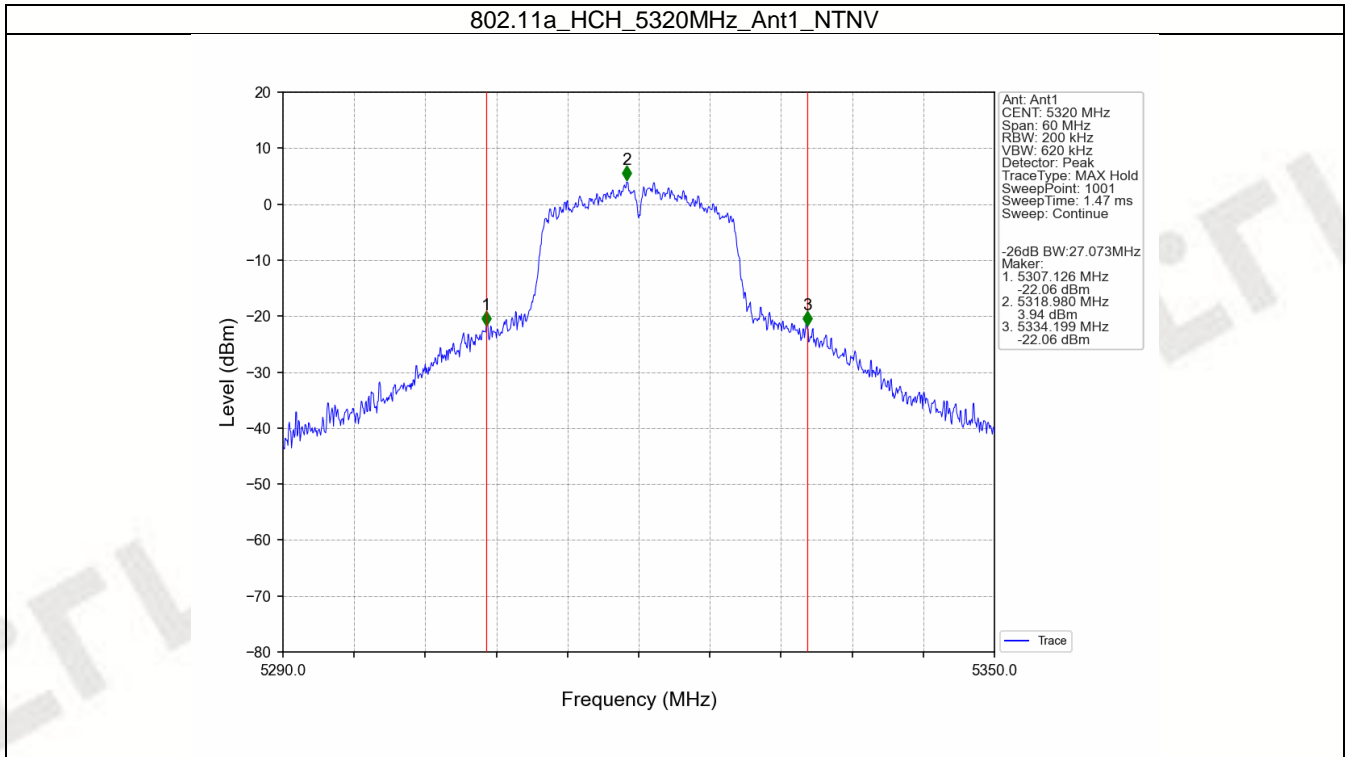


FCCID: 2BKN6-TXHE30W

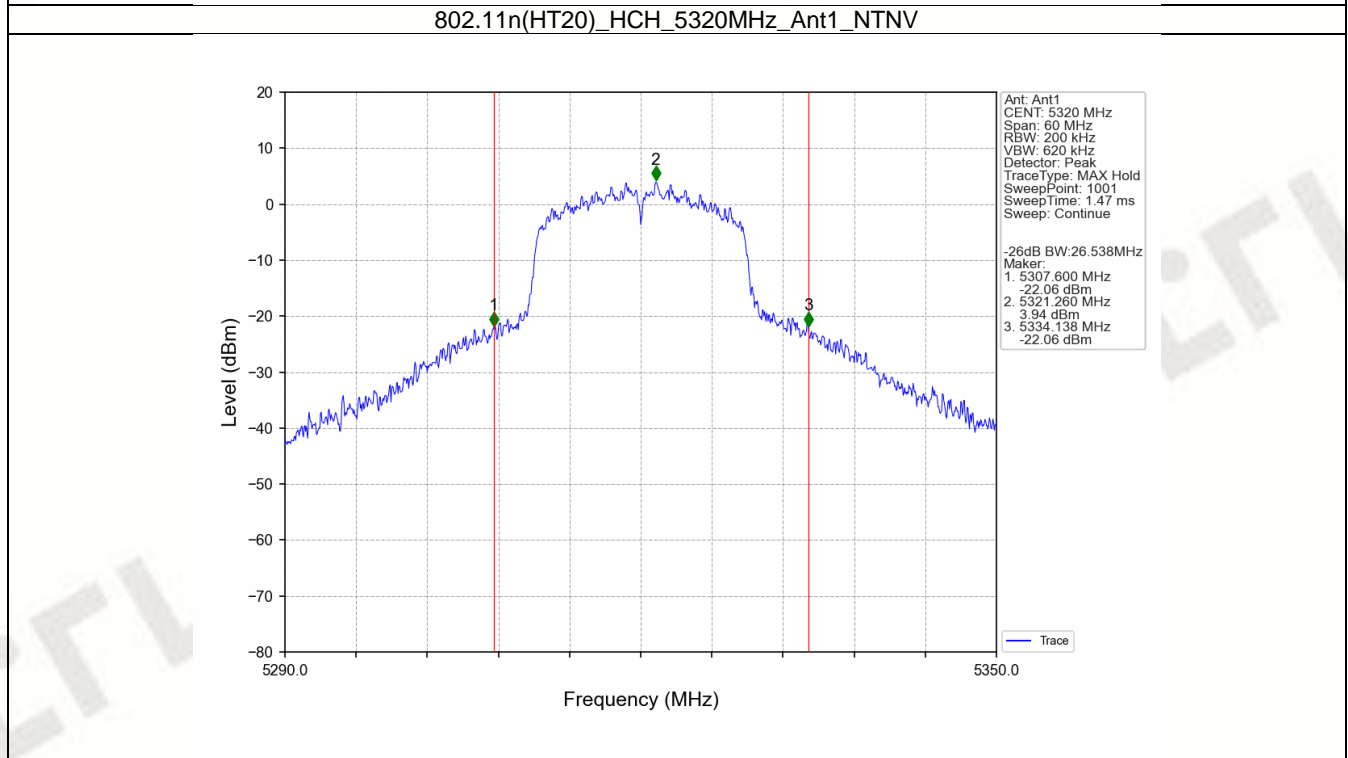
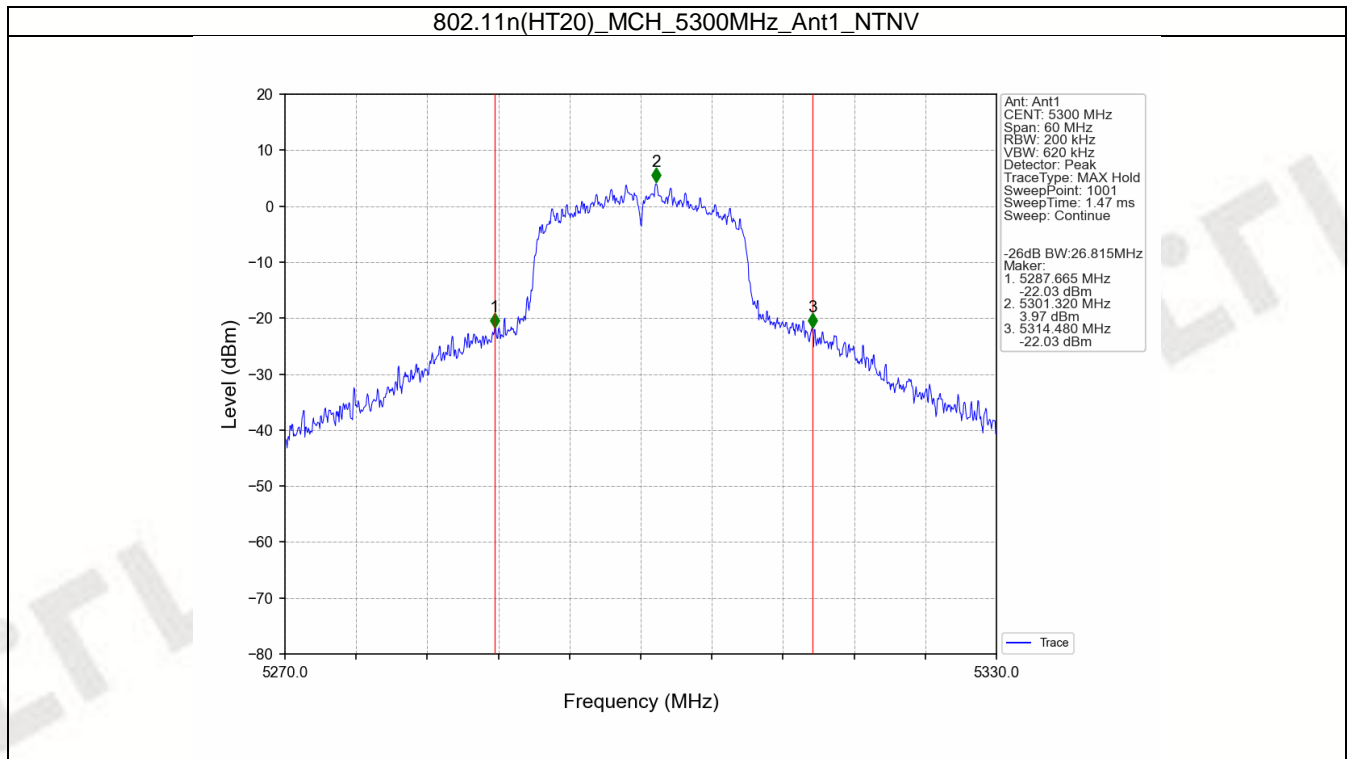
1.2.2 26dB BW



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FCCID: 2BKN6-TXHE30W



FCCID: 2BKN6-TXHE30W

2. Maximum Conducted Output Power

2.1 Test Result

2.1.1 Power

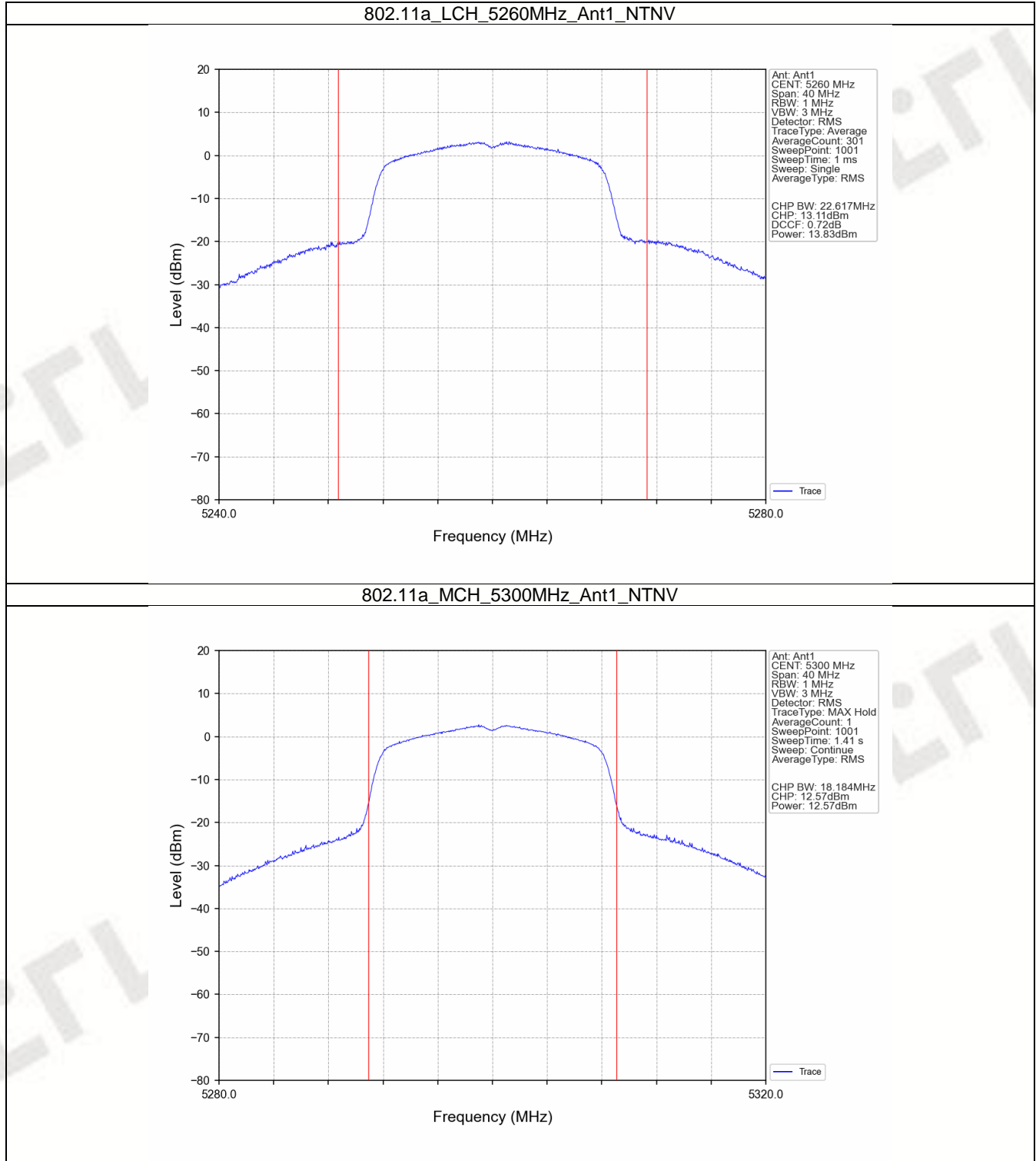
Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
802.11a	SISO	5260	13.83	<=23.98	Pass
		5300	12.57	<=23.98	Pass
		5320	12.63	<=23.98	Pass
802.11n (HT20)	SISO	5260	14.68	<=23.98	Pass
		5300	12.45	<=23.98	Pass
		5320	12.45	<=23.98	Pass

Note1: Antenna Gain: Ant1: 2.00dBi;

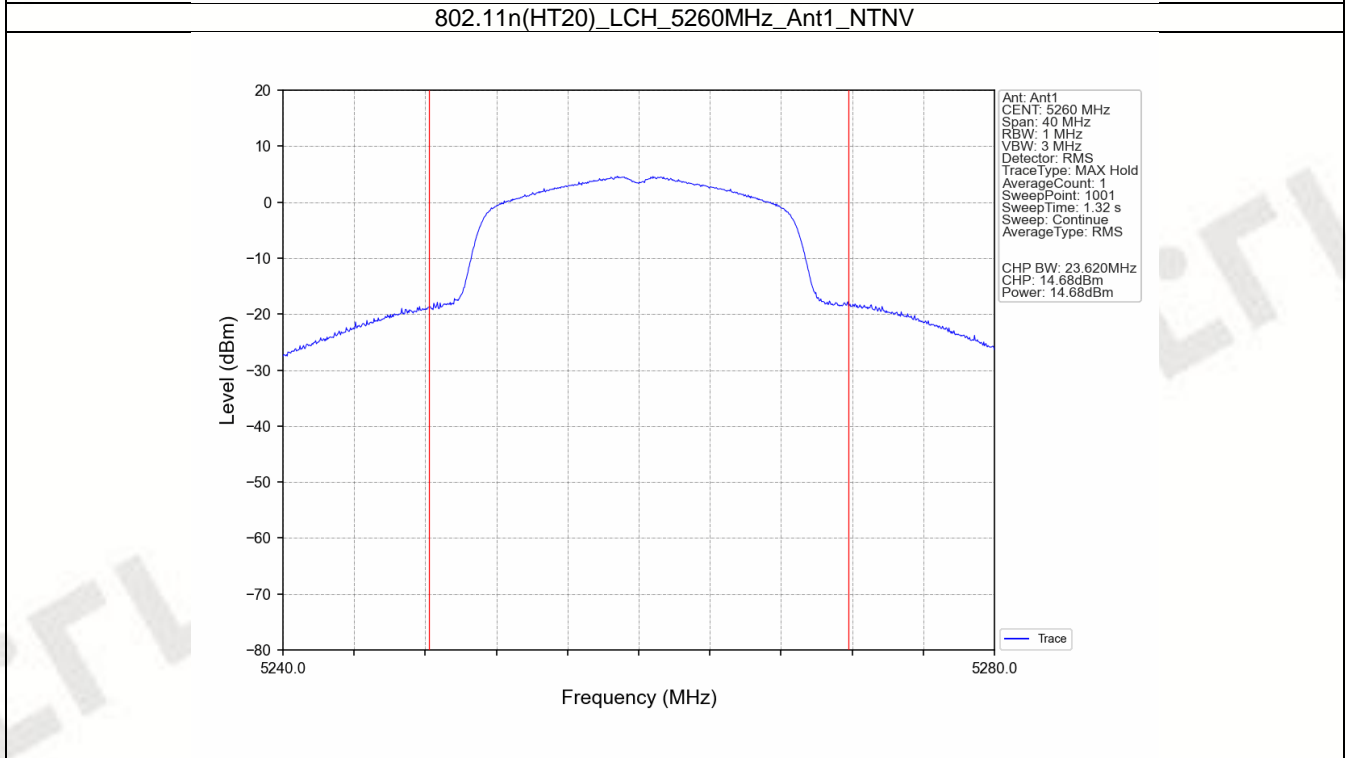
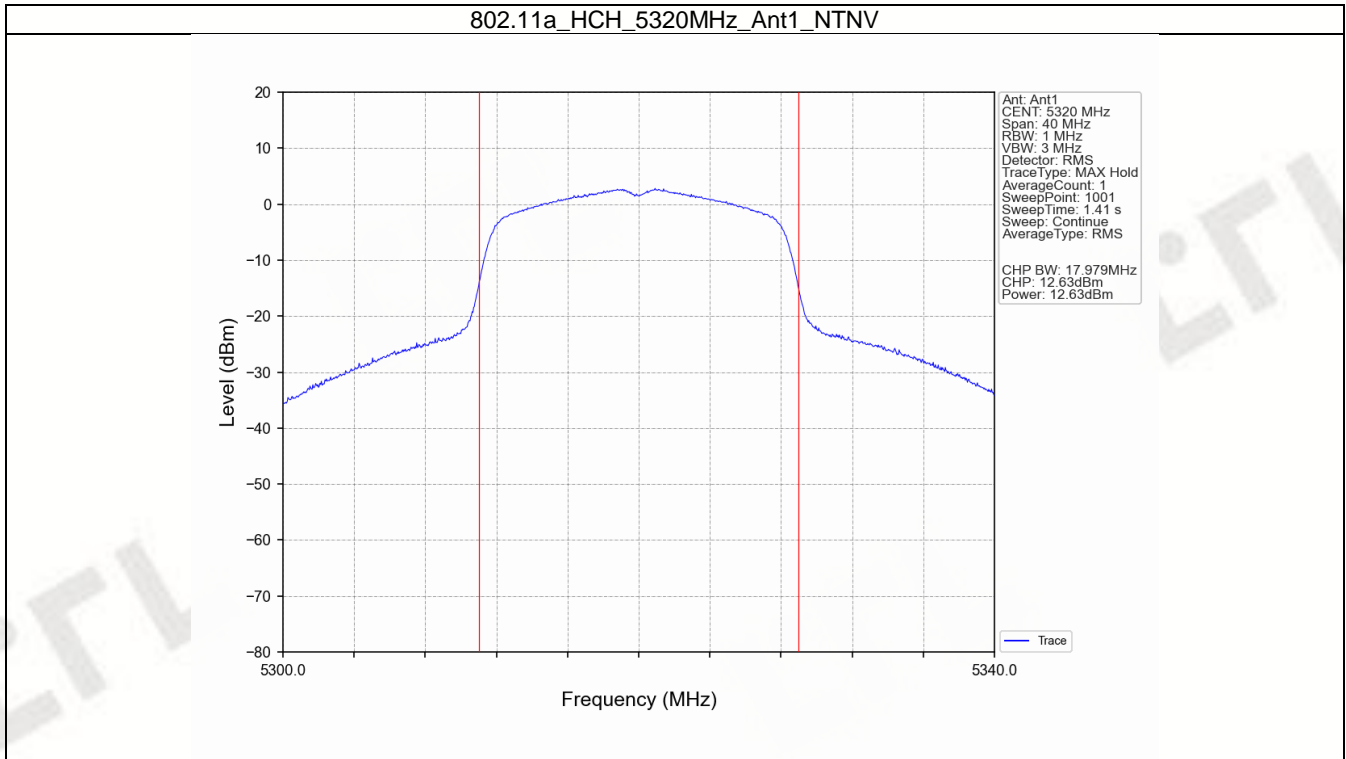
FCCID: 2BKN6-TXHE30W

2.2 Test Graph

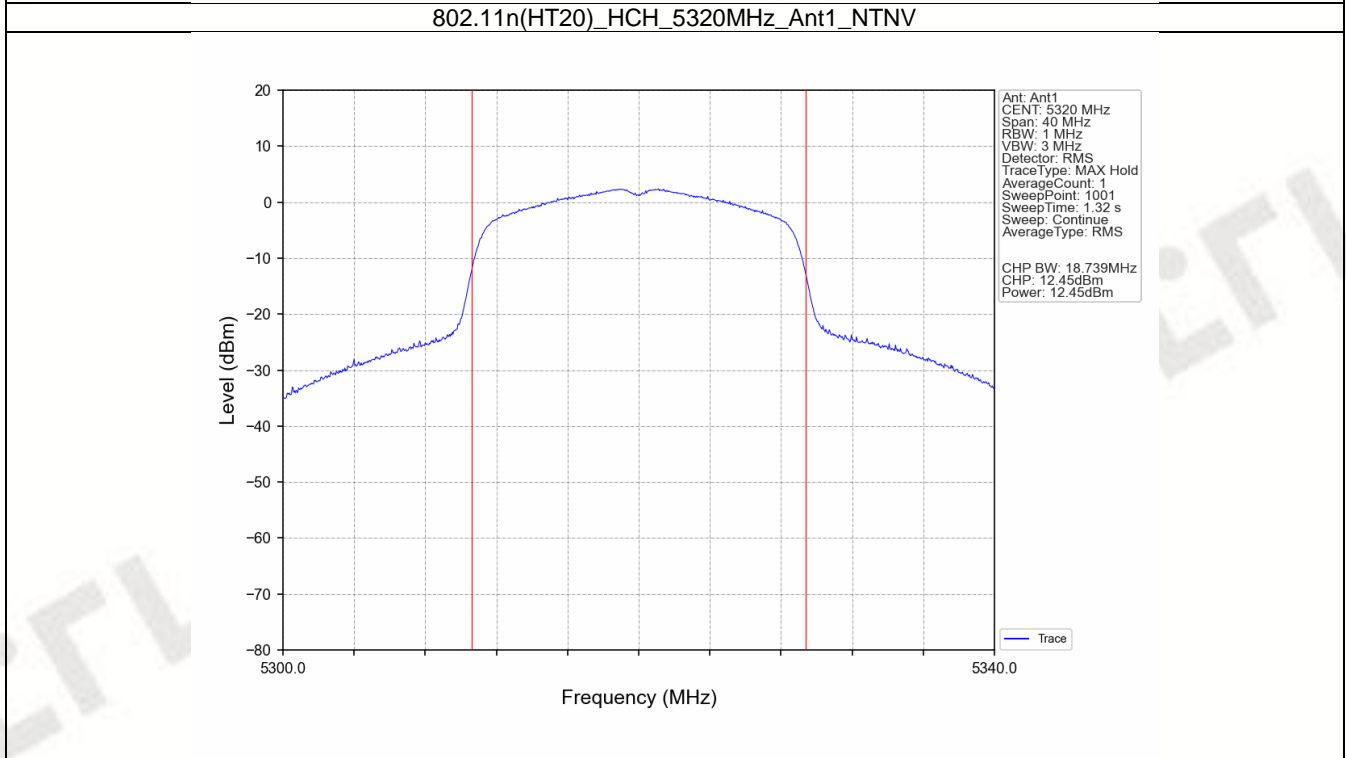
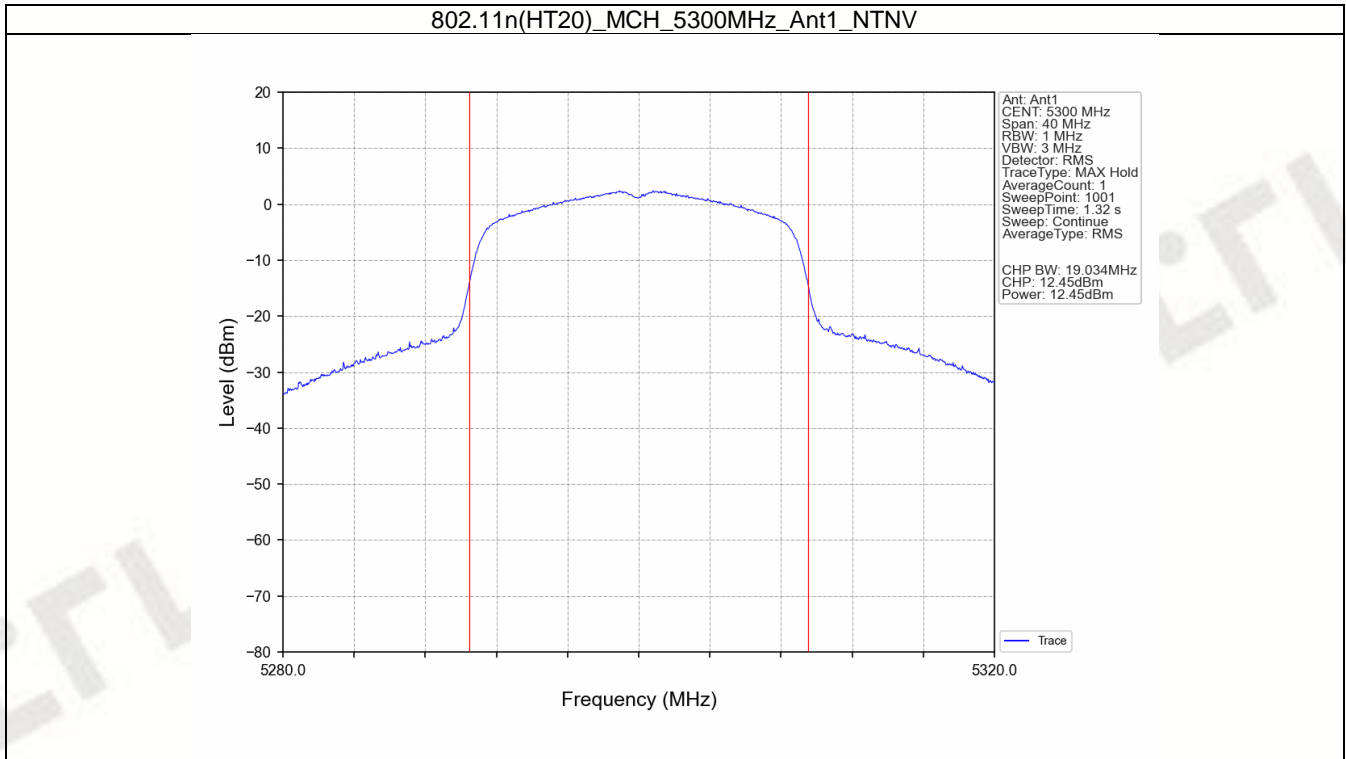
2.2.1 Power



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3. Maximum Power Spectral Density

3.1 Test Result

3.1.1 PSD

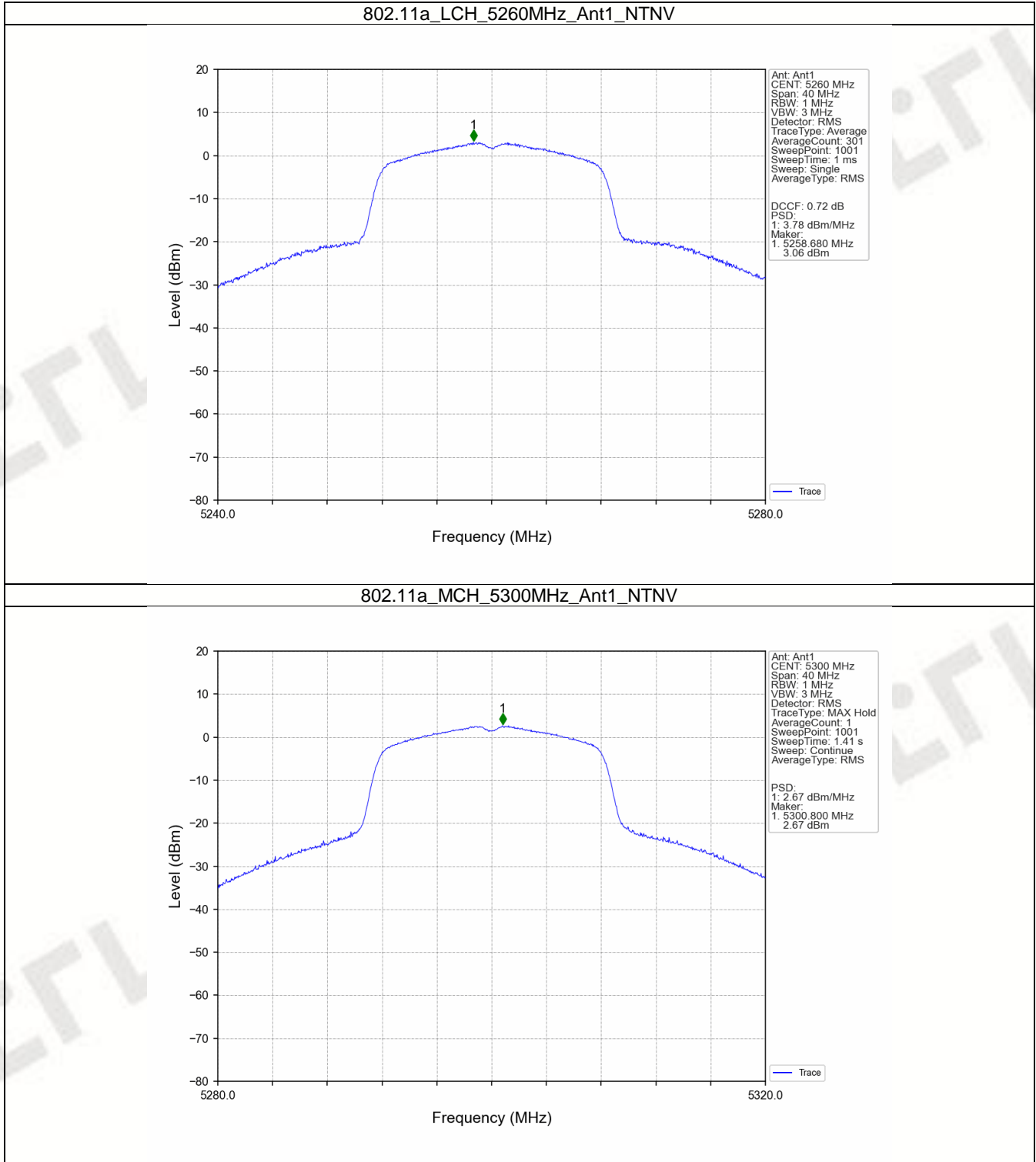
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/MHz)		Verdict
			ANT1	Limit	
802.11a	SISO	5260	3.78	<=11	Pass
		5300	2.67	<=11	Pass
		5320	2.69	<=11	Pass
802.11n (HT20)	SISO	5260	4.78	<=11	Pass
		5300	2.45	<=11	Pass
		5320	2.49	<=11	Pass

Note1: Antenna Gain: Ant1: 2.00dBi;

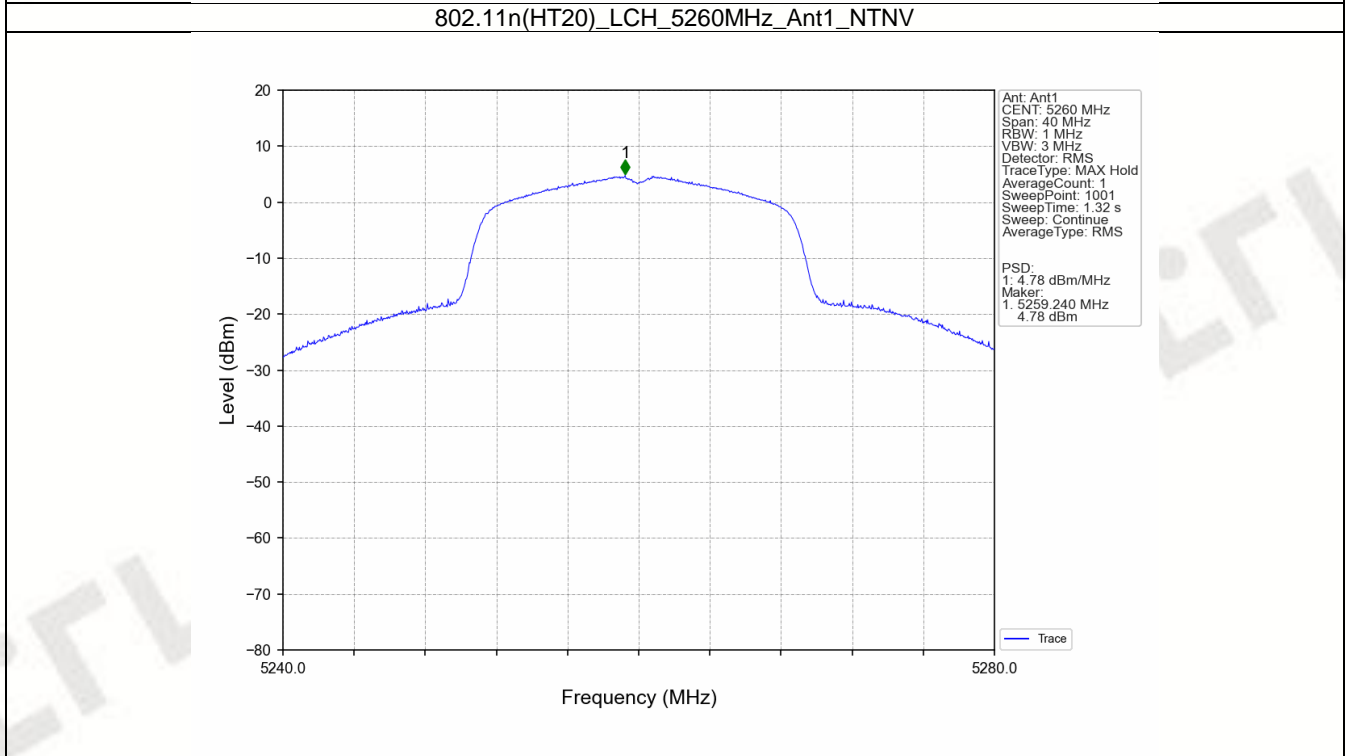
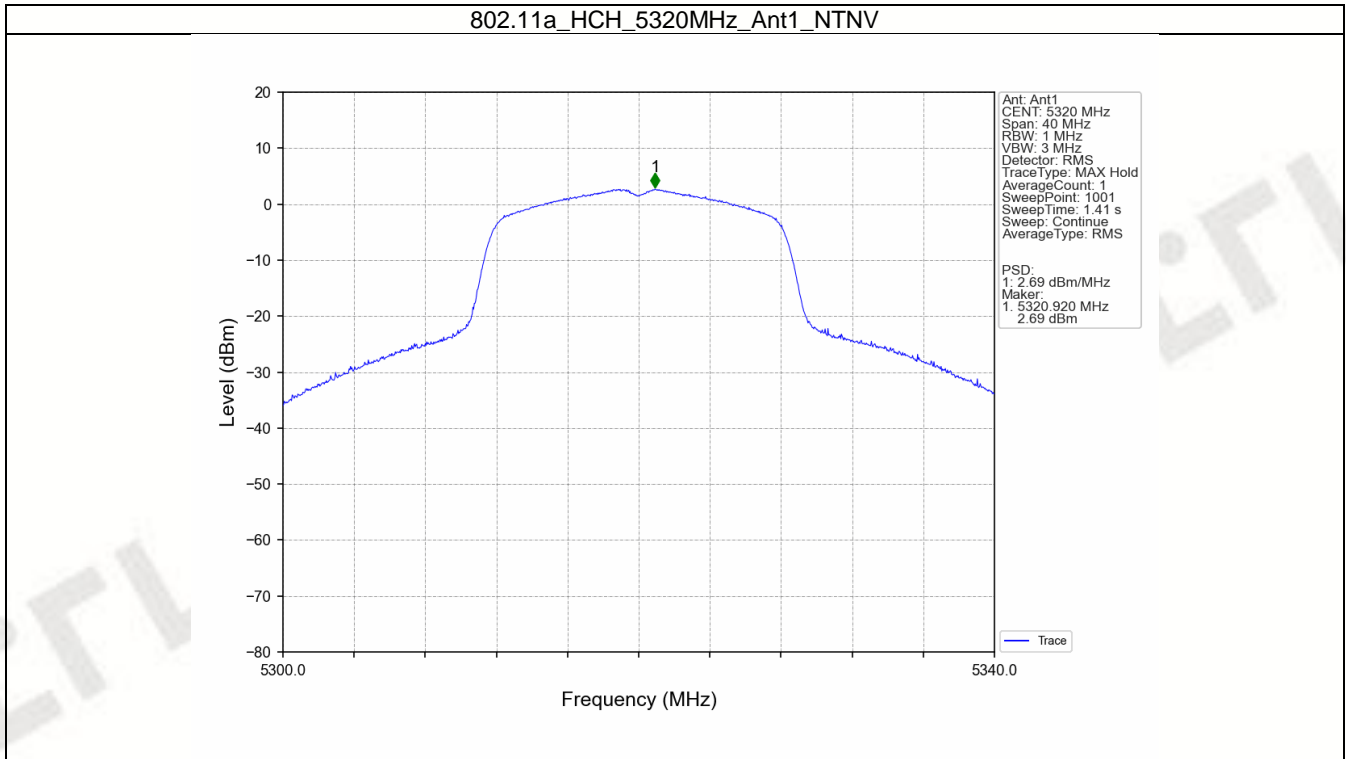
FCCID: 2BKN6-TXHE30W

3.2 Test Graph

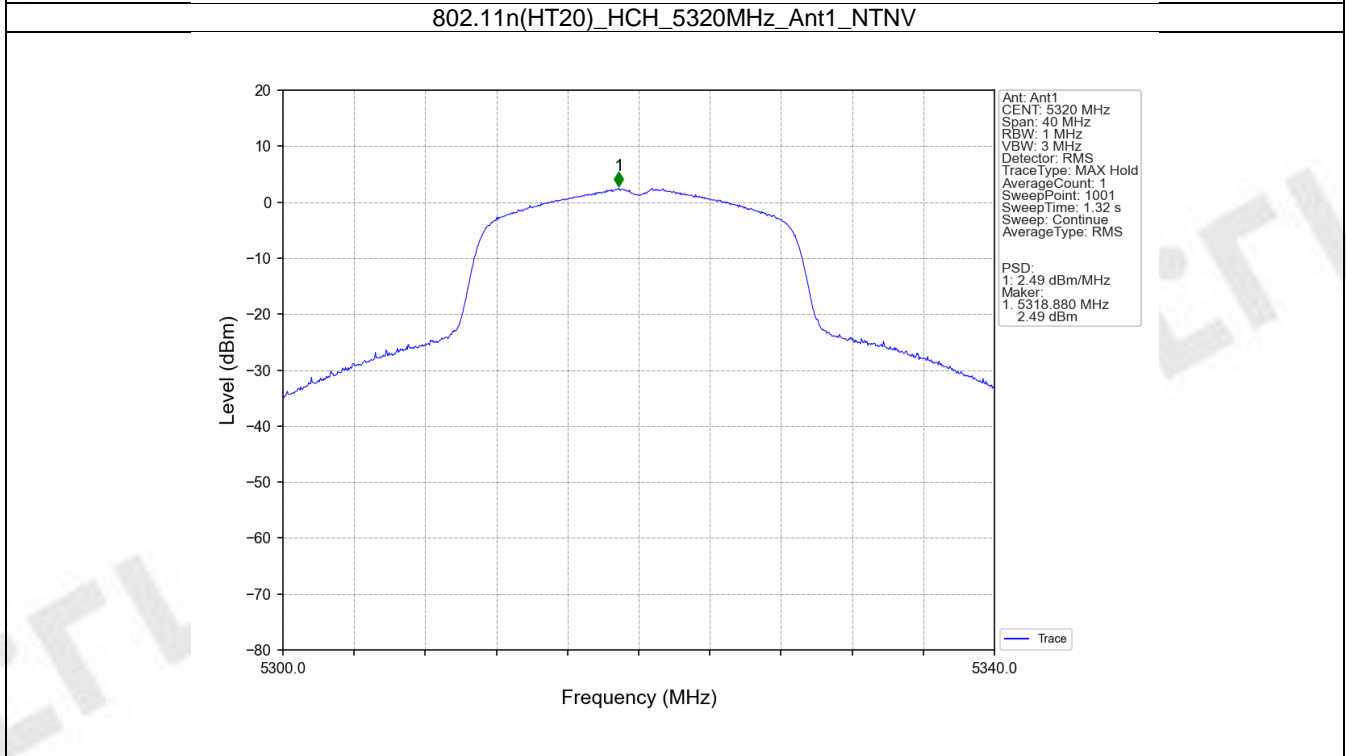
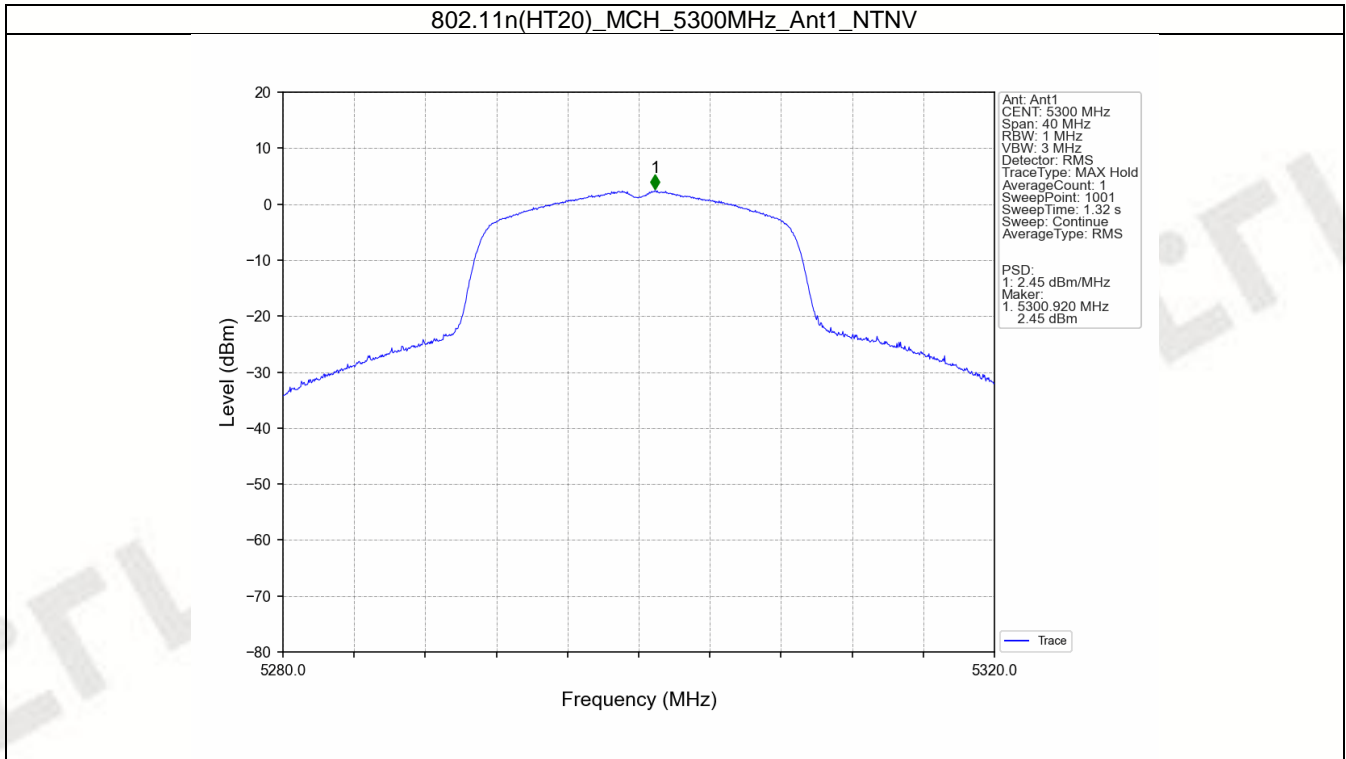
3.2.1 PSD



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FCCID: 2BKN6-TXHE30W



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	5260	20	102	5259.980	5250 to 5350	Pass
				120	5259.980	5250 to 5350	Pass
				138	5259.980	5250 to 5350	Pass
			-30	120	5259.980	5250 to 5350	Pass
				120	5259.980	5250 to 5350	Pass
			-10	120	5259.980	5250 to 5350	Pass
				120	5259.980	5250 to 5350	Pass
			0	120	5259.980	5250 to 5350	Pass
				120	5259.981	5250 to 5350	Pass
			10	120	5259.980	5250 to 5350	Pass
		120		5259.981	5250 to 5350	Pass	
		30	120	5259.981	5250 to 5350	Pass	
			120	5259.981	5250 to 5350	Pass	
		5300	20	102	5299.980	5250 to 5350	Pass
				120	5299.980	5250 to 5350	Pass
				138	5299.980	5250 to 5350	Pass
			-30	120	5299.980	5250 to 5350	Pass
				120	5299.980	5250 to 5350	Pass
			-10	120	5299.980	5250 to 5350	Pass
				120	5299.980	5250 to 5350	Pass
			0	120	5299.980	5250 to 5350	Pass
				120	5299.980	5250 to 5350	Pass
			10	120	5299.980	5250 to 5350	Pass
		120		5299.980	5250 to 5350	Pass	
		30	120	5299.980	5250 to 5350	Pass	
			120	5299.980	5250 to 5350	Pass	
		40	120	5299.980	5250 to 5350	Pass	
			120	5299.980	5250 to 5350	Pass	
		5320	20	102	5319.980	5250 to 5350	Pass
				120	5319.980	5250 to 5350	Pass
138	5319.980			5250 to 5350	Pass		
-30	120		5319.980	5250 to 5350	Pass		
	120		5319.980	5250 to 5350	Pass		
-10	120		5319.980	5250 to 5350	Pass		
	120		5319.980	5250 to 5350	Pass		
0	120		5319.980	5250 to 5350	Pass		
	120		5319.980	5250 to 5350	Pass		
10	120		5319.980	5250 to 5350	Pass		
	120	5319.980	5250 to 5350	Pass			
30	120	5319.980	5250 to 5350	Pass			
	120	5319.980	5250 to 5350	Pass			
40	120	5319.980	5250 to 5350	Pass			
	120	5319.980	5250 to 5350	Pass			
50	120	5319.980	5250 to 5350	Pass			
	120	5319.980	5250 to 5350	Pass			

5. Form731

5.1 Test Result

5.1.1 Form731

Lower Freq (MHz)	High Freq (MHz)	MAX Power (W)	MAX Power (dBm)
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FCCID: 2BKN6-TXHE30W

5260	5320	0.0294	14.68
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