



Annex for 5G Wi-Fi BAND 2A

Test Report No.: CTL2408152111-WF

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FCCID: 2BKN6-RXHE30W

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	23.721	/	Pass
		5300	1	18.580	/	Pass
		5320	1	20.136	/	Pass
802.11n (HT20)	SISO	5260	1	24.139	/	Pass
		5300	1	19.690	/	Pass
		5320	1	20.928	/	Pass

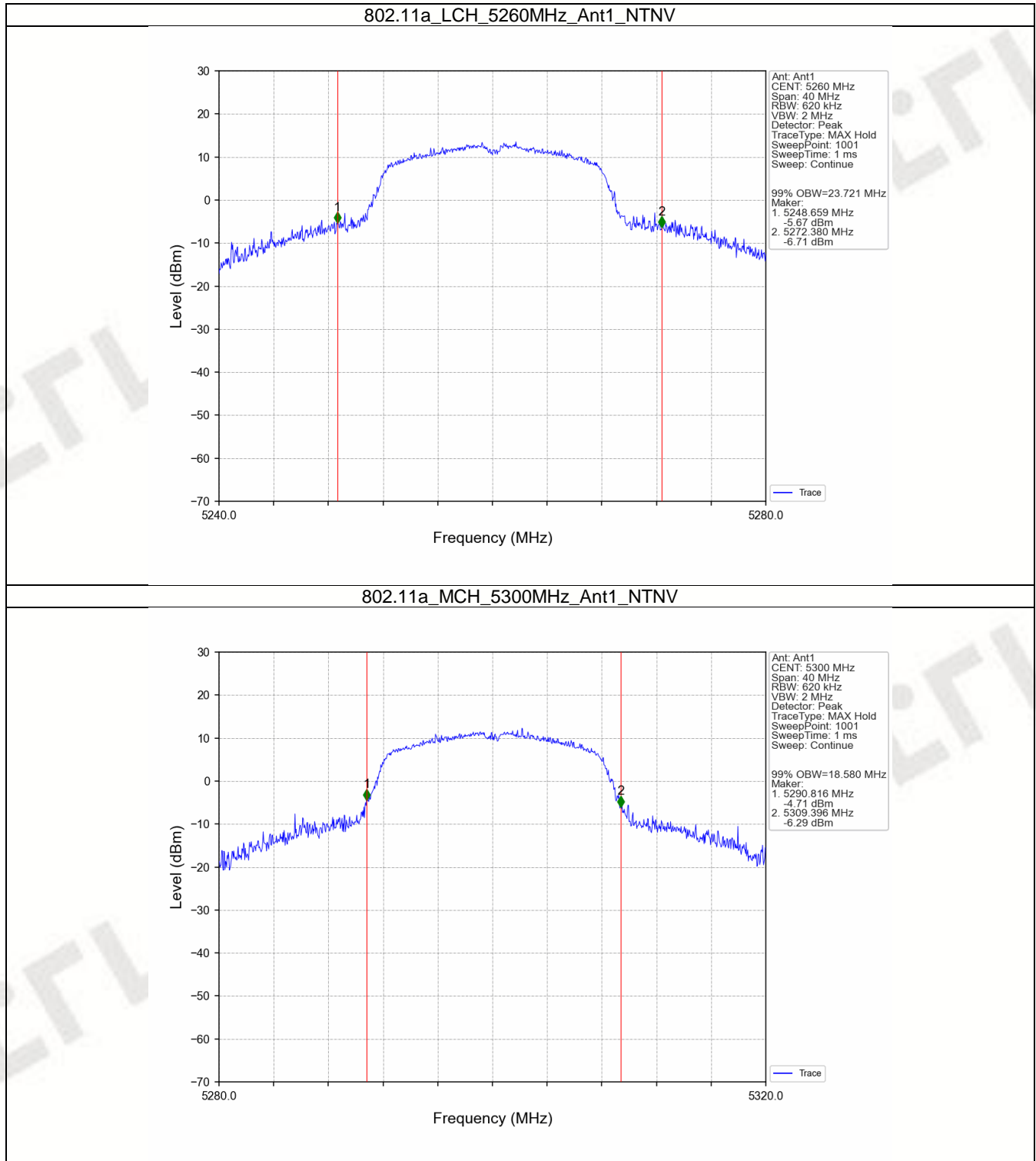
1.1.2 26dB BW

Mode	TX Type	Frequency (MHz)	ANT	26dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5260	1	34.517	/	Pass
		5300	1	30.308	/	Pass
		5320	1	33.094	/	Pass
802.11n (HT20)	SISO	5260	1	36.474	/	Pass
		5300	1	30.616	/	Pass
		5320	1	33.574	/	Pass

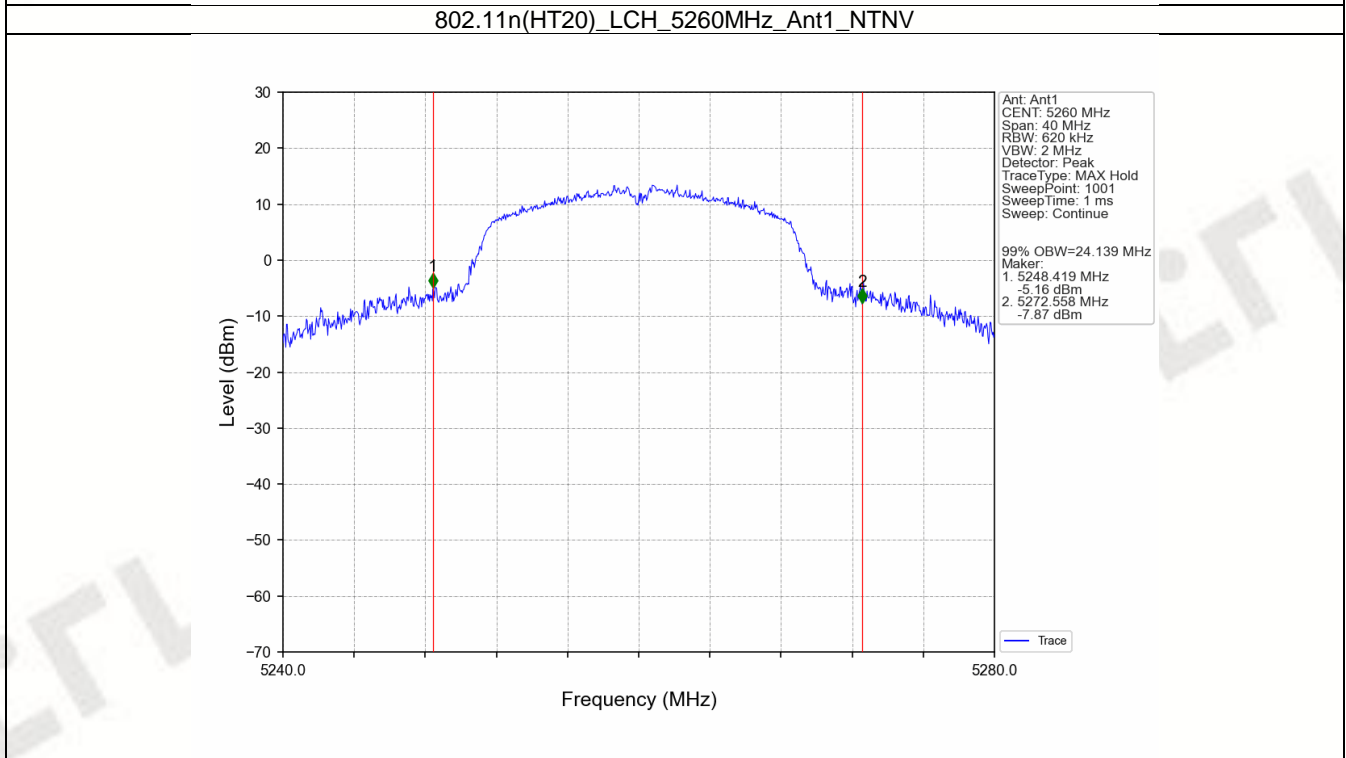
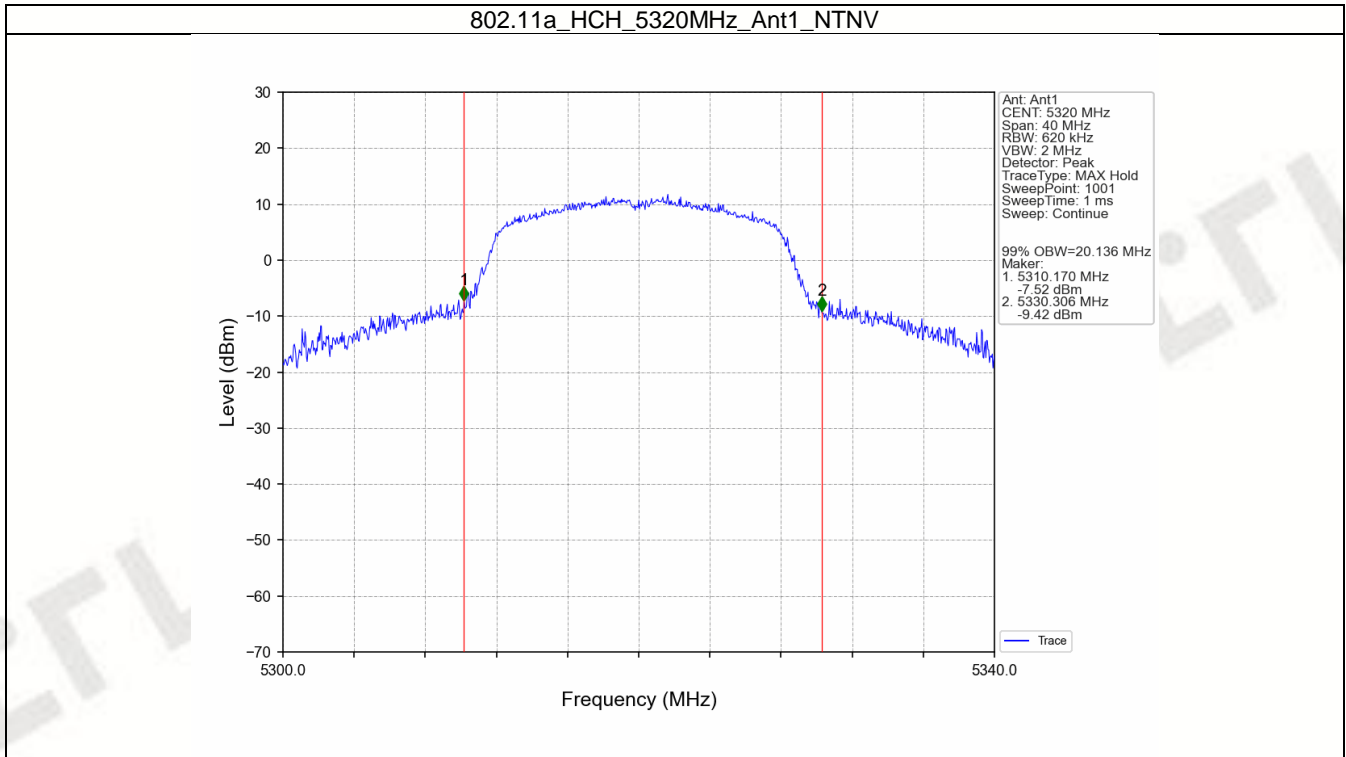
FCCID: 2BKN6-RXHE30W

1.2 Test Graph

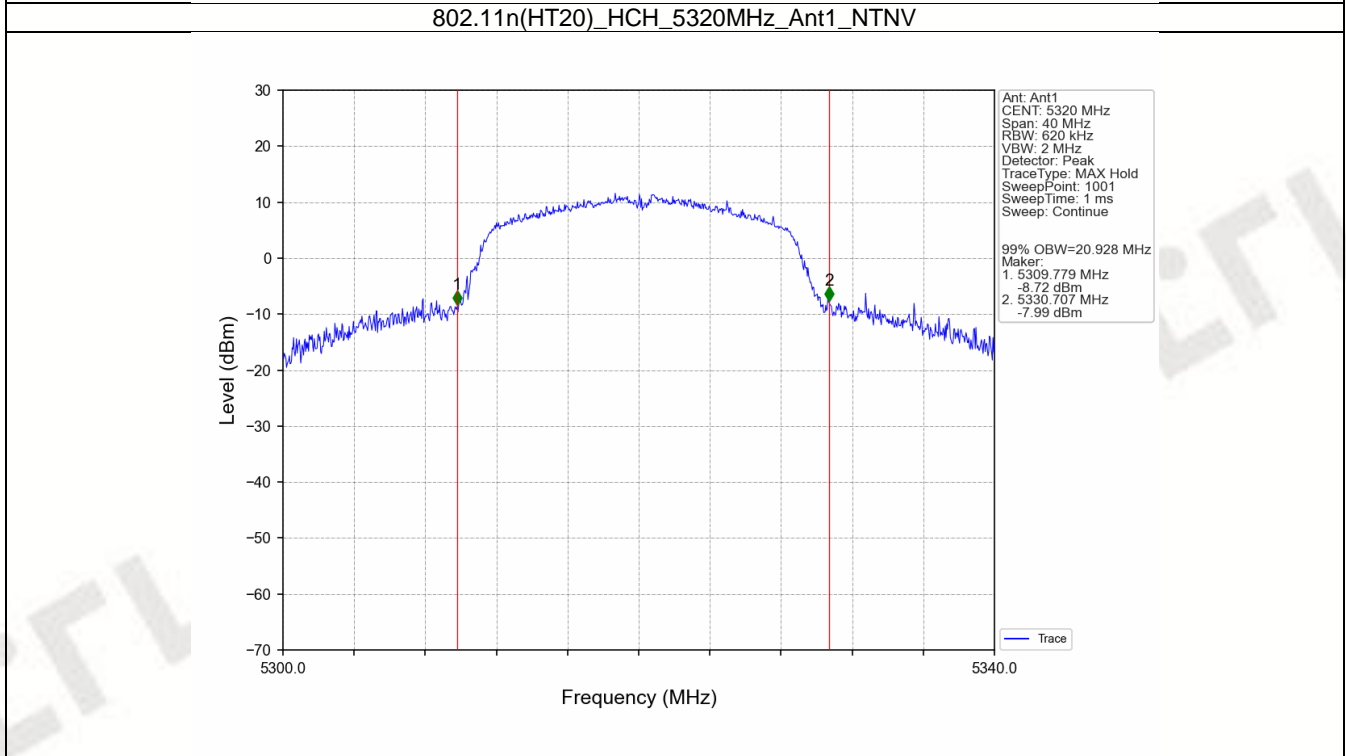
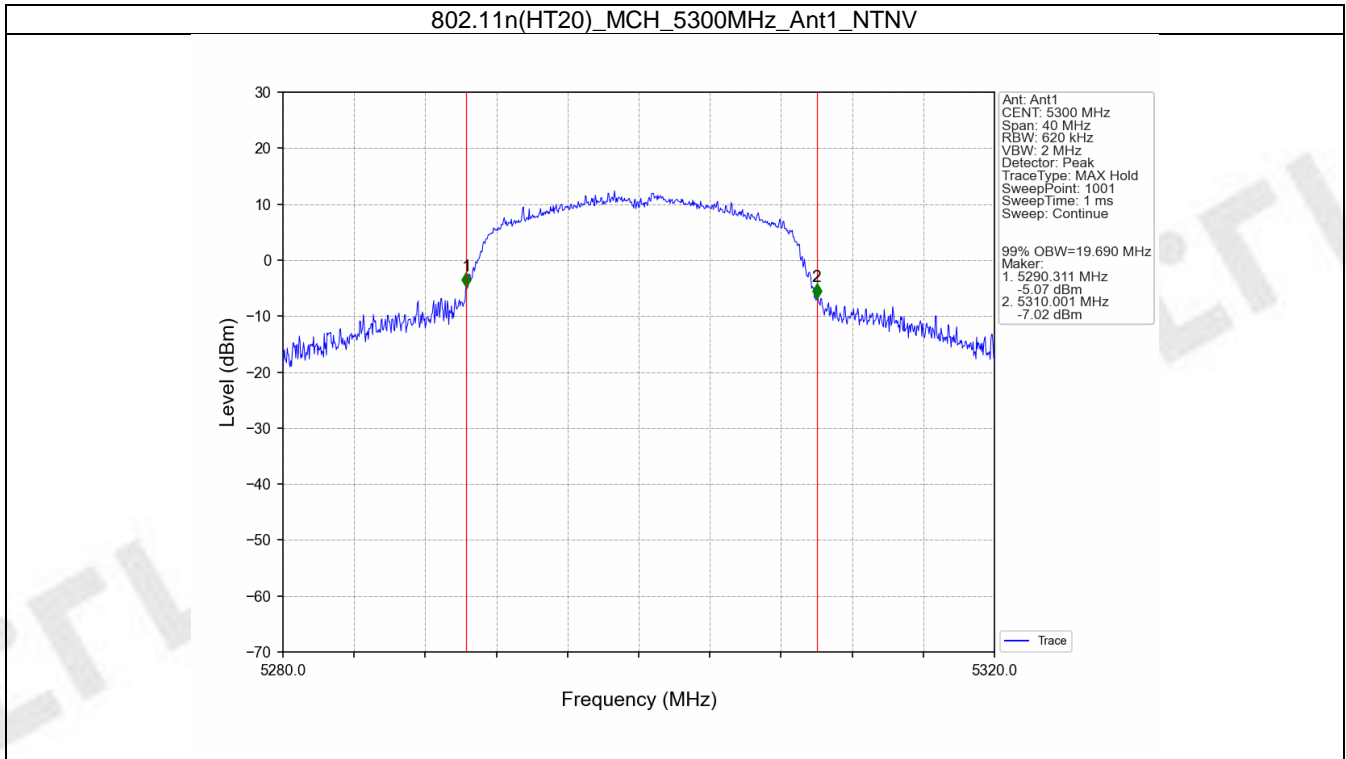
1.2.1 OBW



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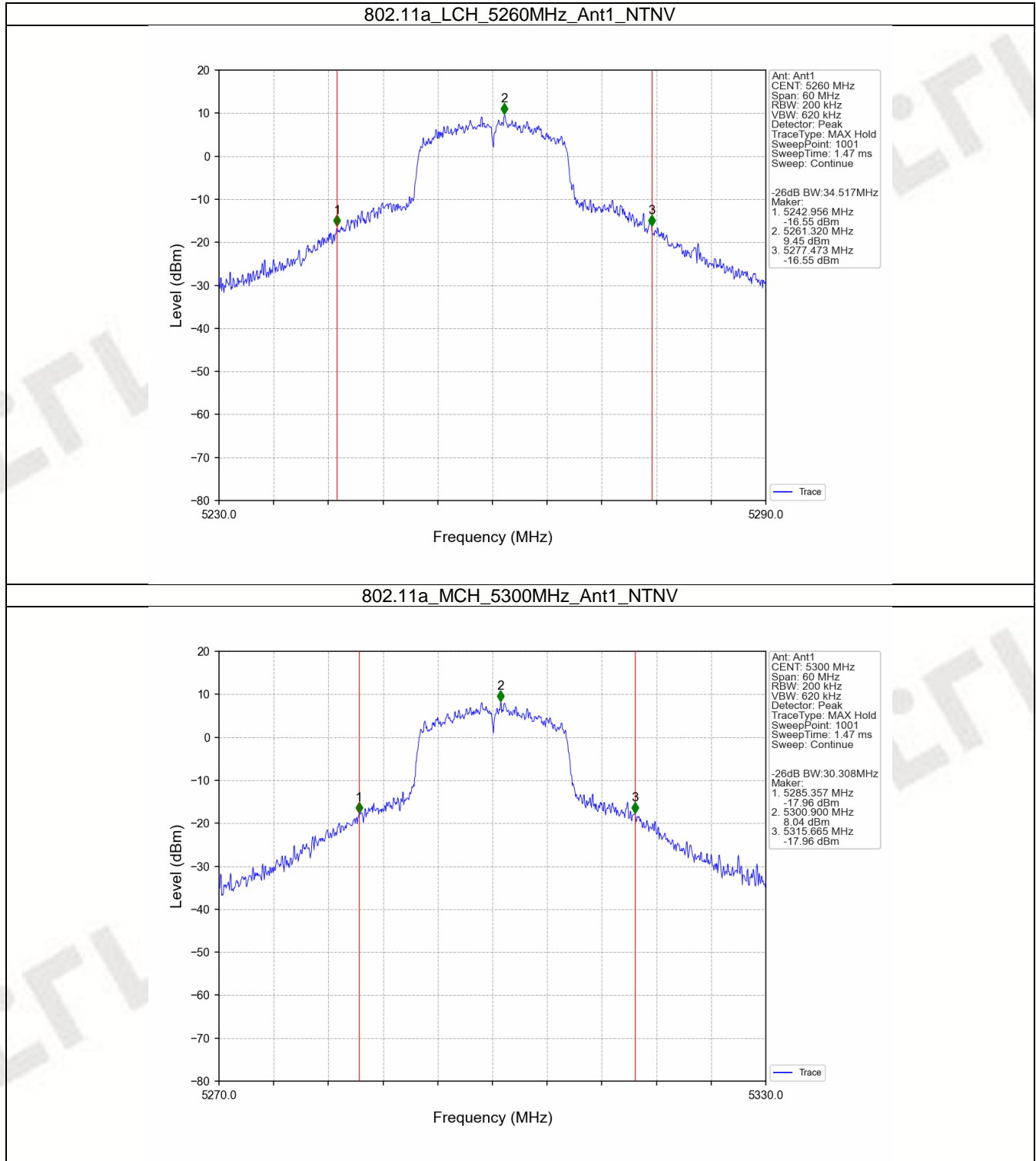


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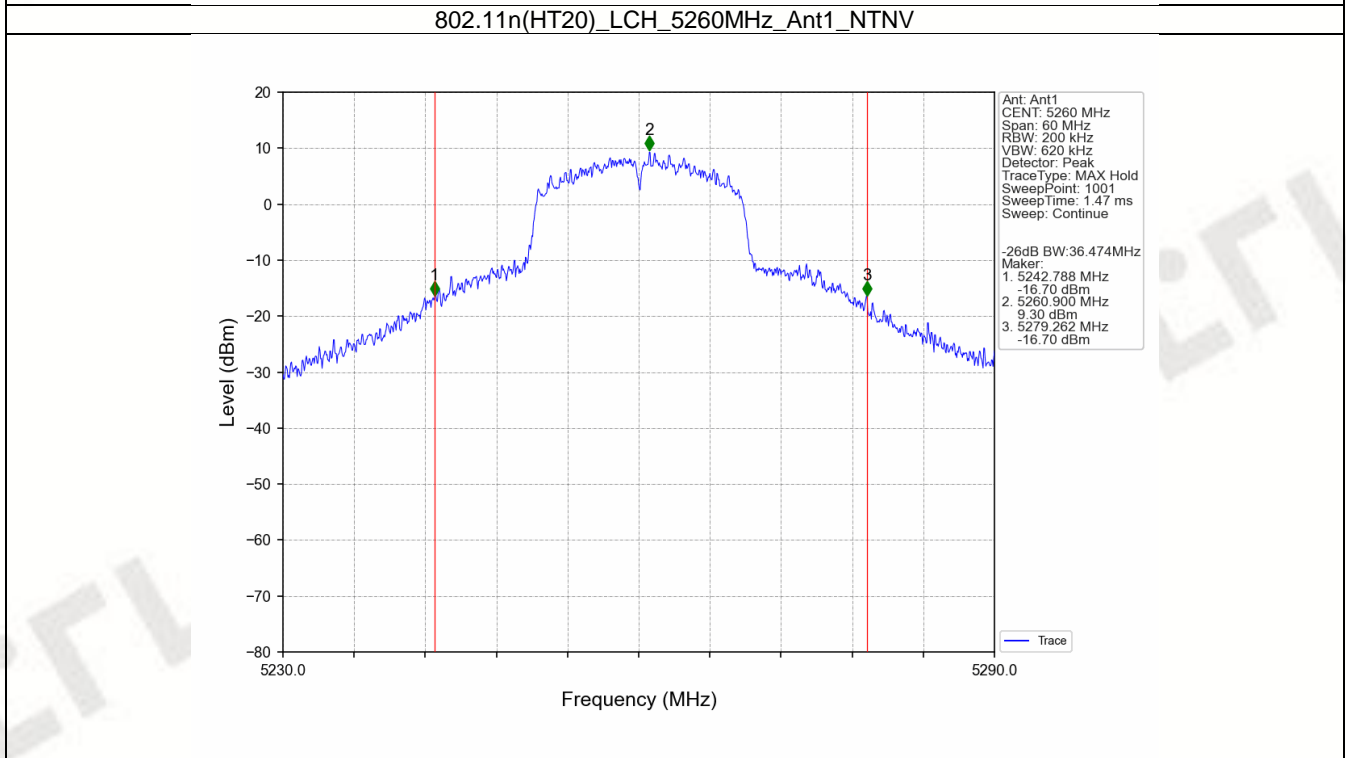
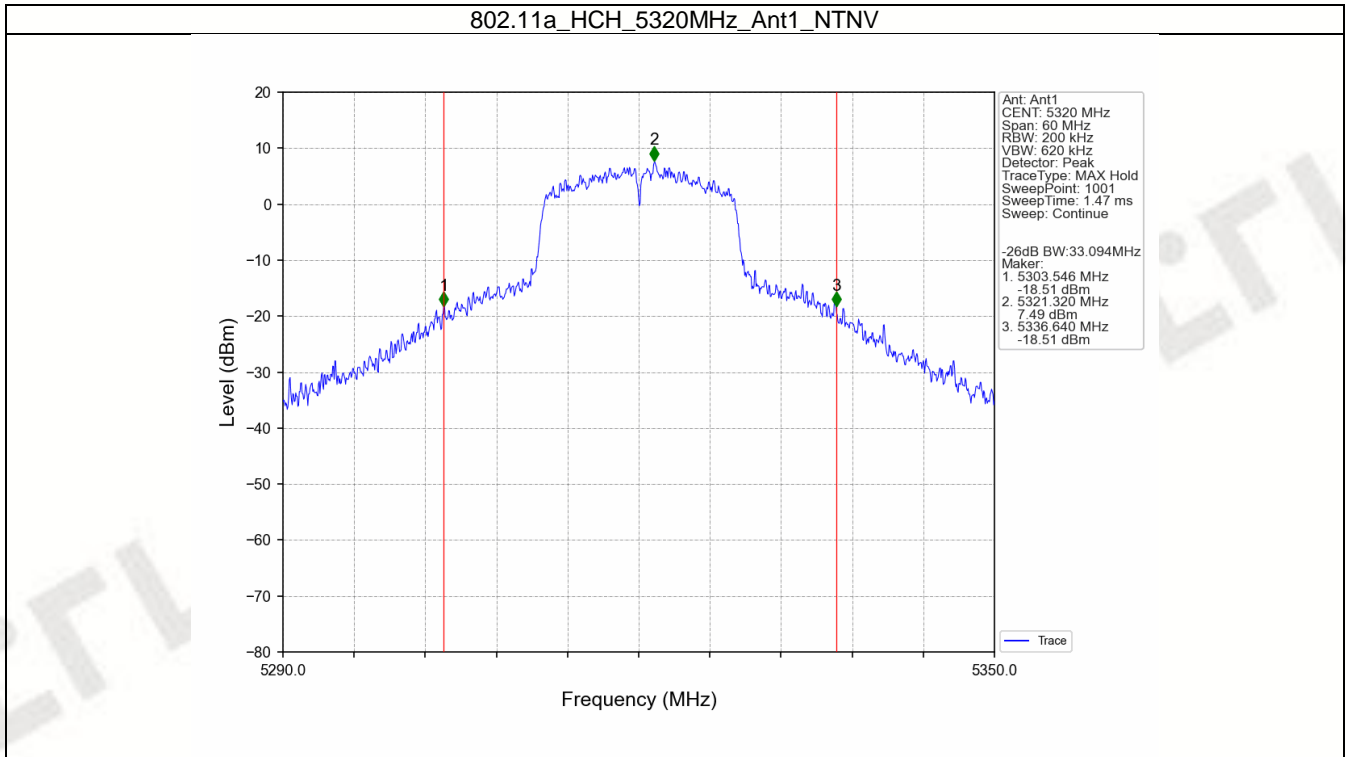


FCCID: 2BKN6-RXHE30W

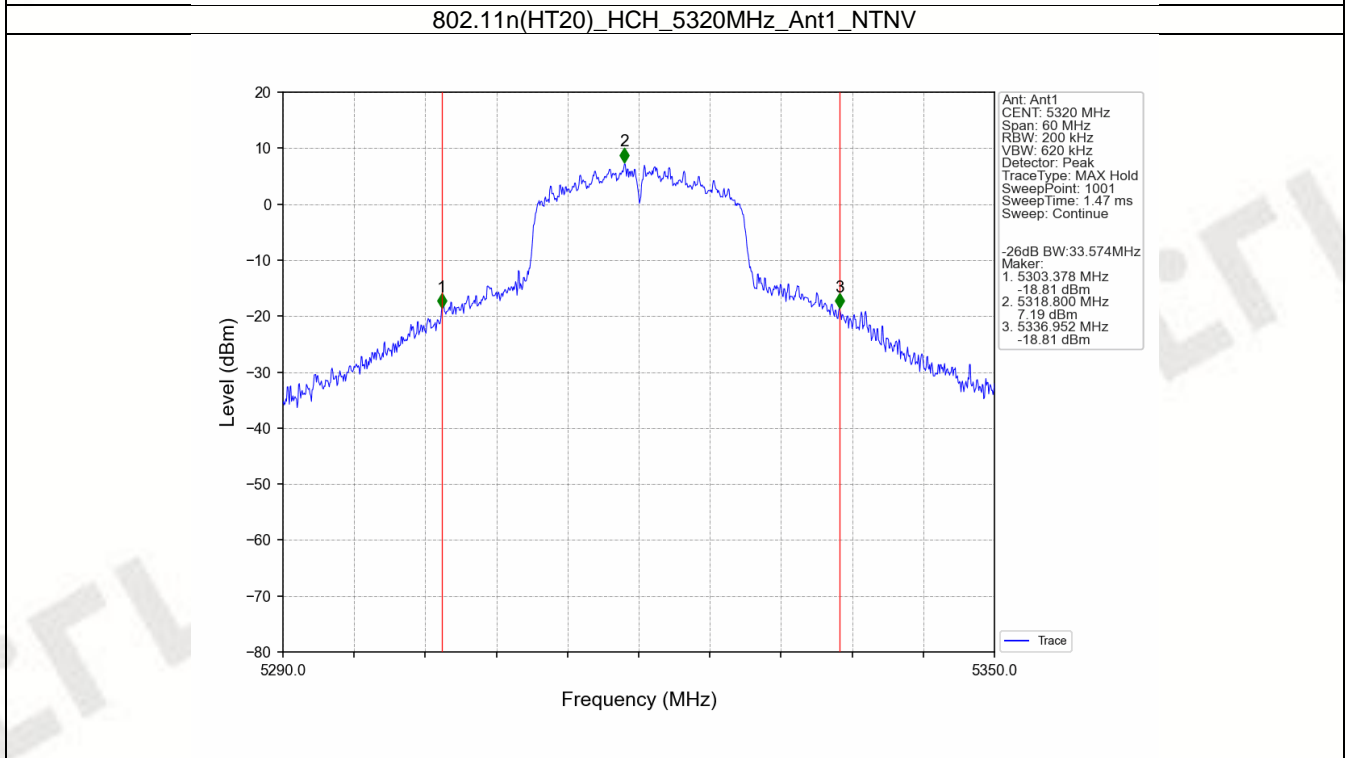
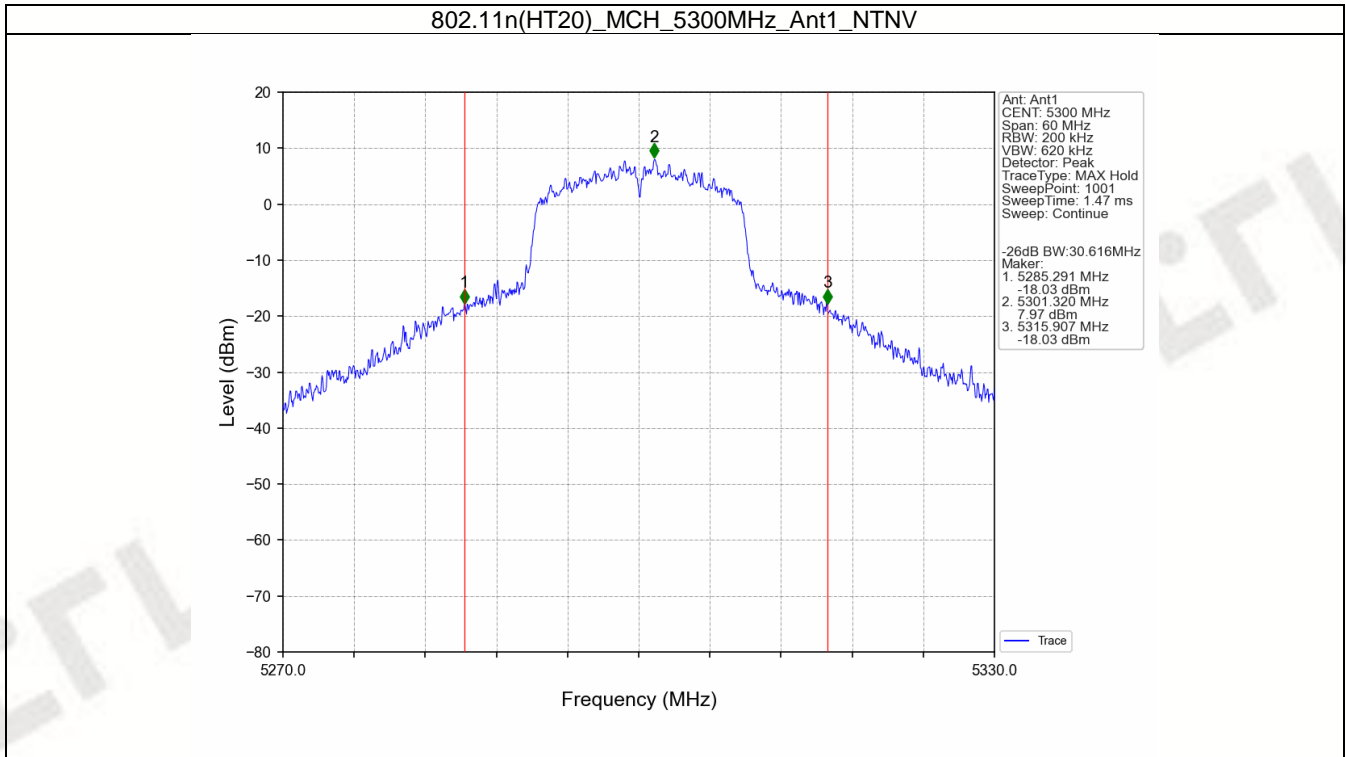
1.2.2 26dB BW



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FCCID: 2BKN6-RXHE30W



FCCID: 2BKN6-RXHE30W

2. Maximum Conducted Output Power

2.1 Test Result

2.1.1 Power

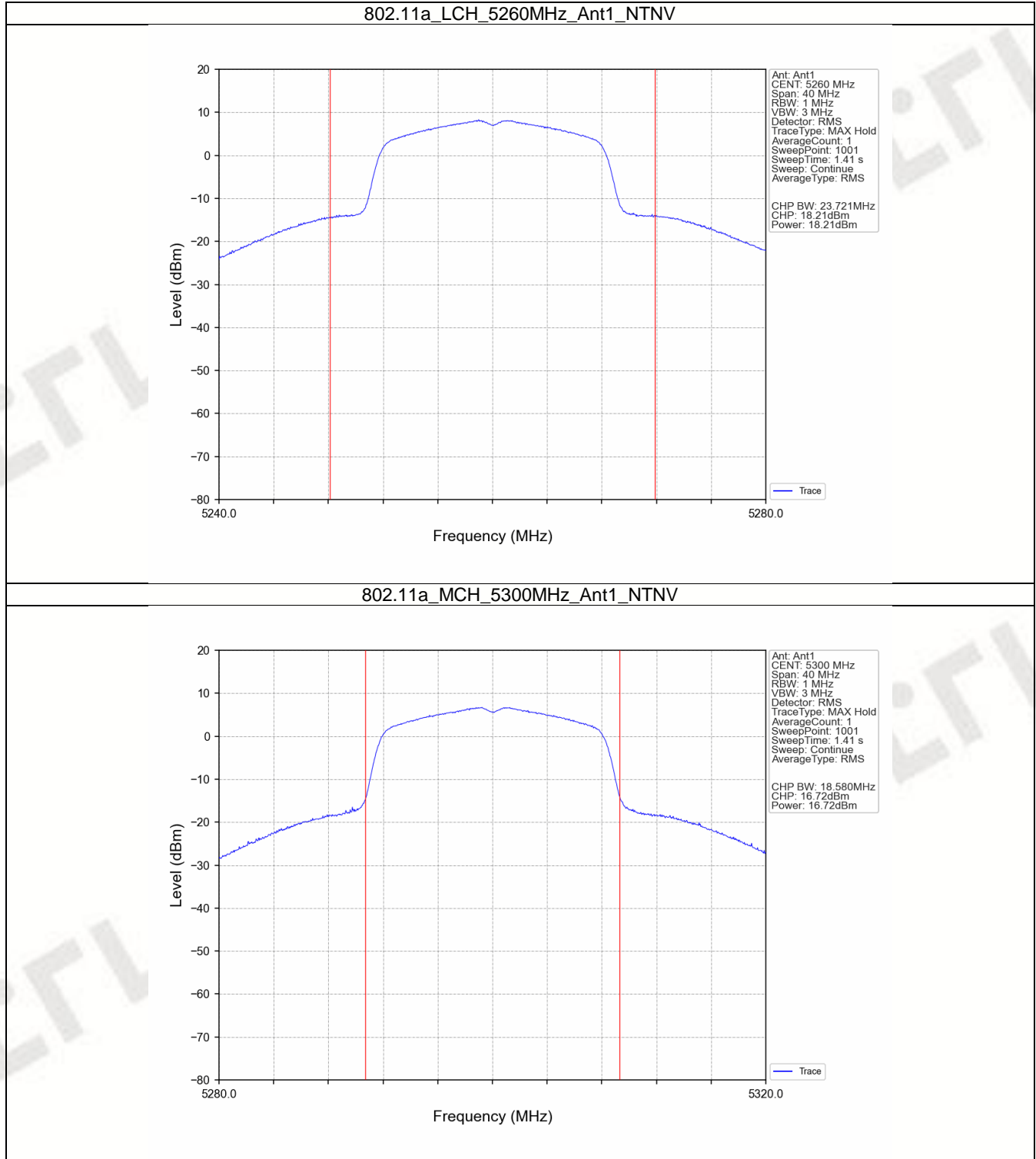
Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
802.11a	SISO	5260	18.21	<=23.98	Pass
		5300	16.72	<=23.98	Pass
		5320	16.22	<=23.98	Pass
802.11n (HT20)	SISO	5260	18.07	<=23.98	Pass
		5300	16.54	<=23.98	Pass
		5320	16.07	<=23.98	Pass

Note1: Antenna Gain: Ant1: 2.00dBi;

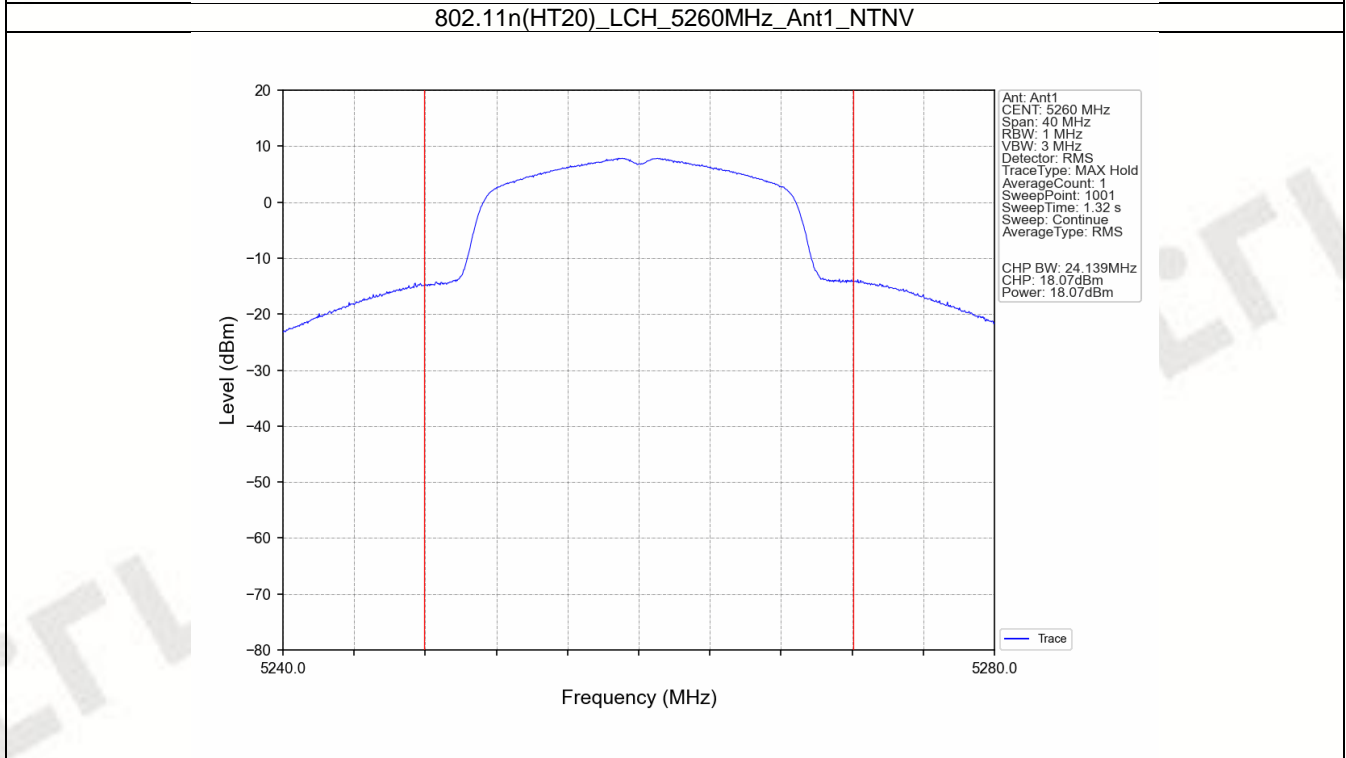
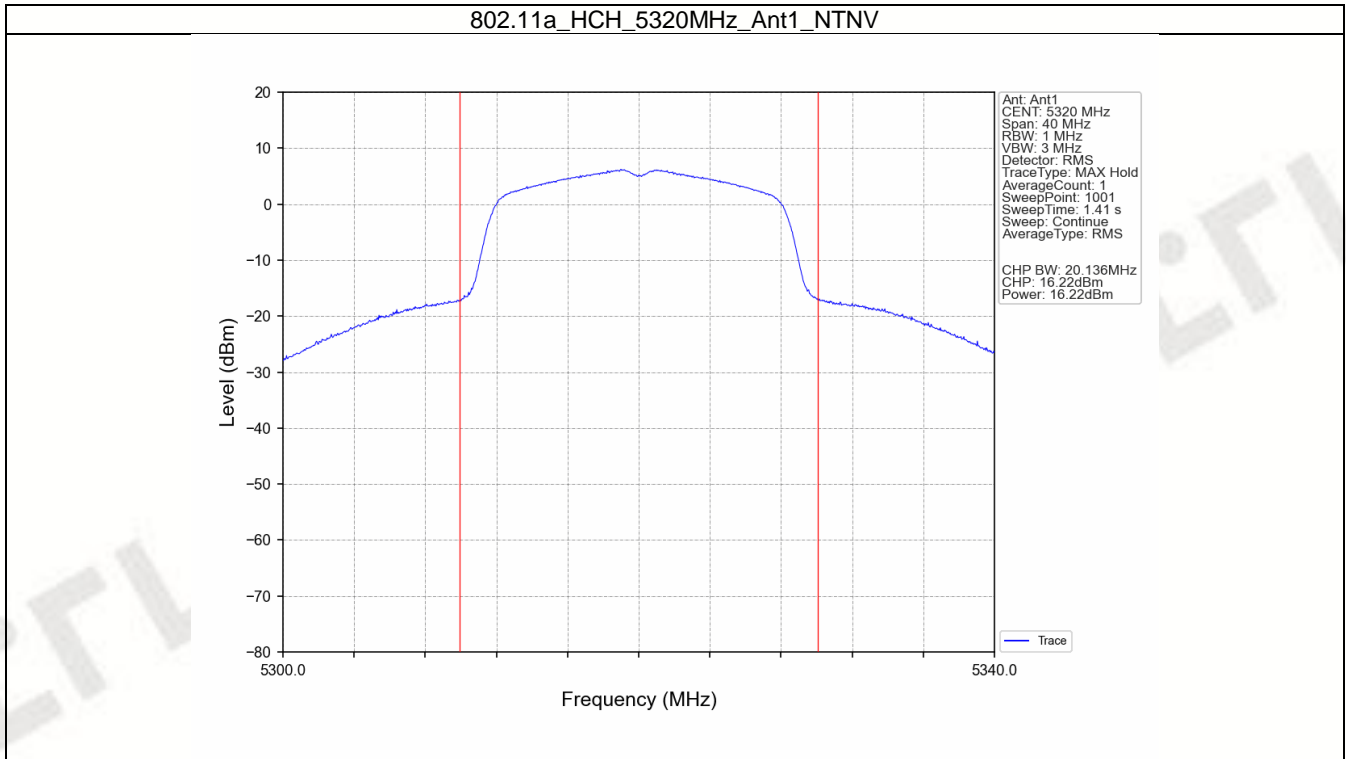
FCCID: 2BKN6-RXHE30W

2.2 Test Graph

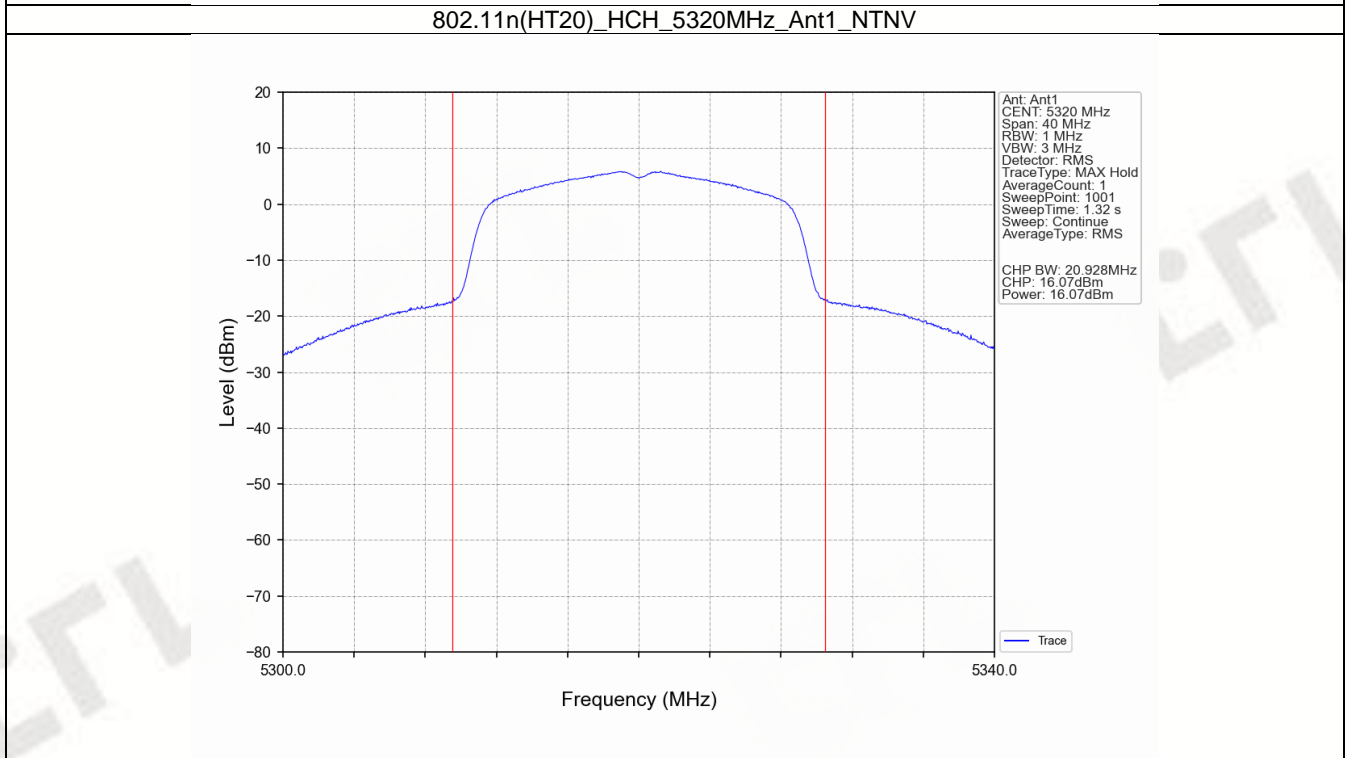
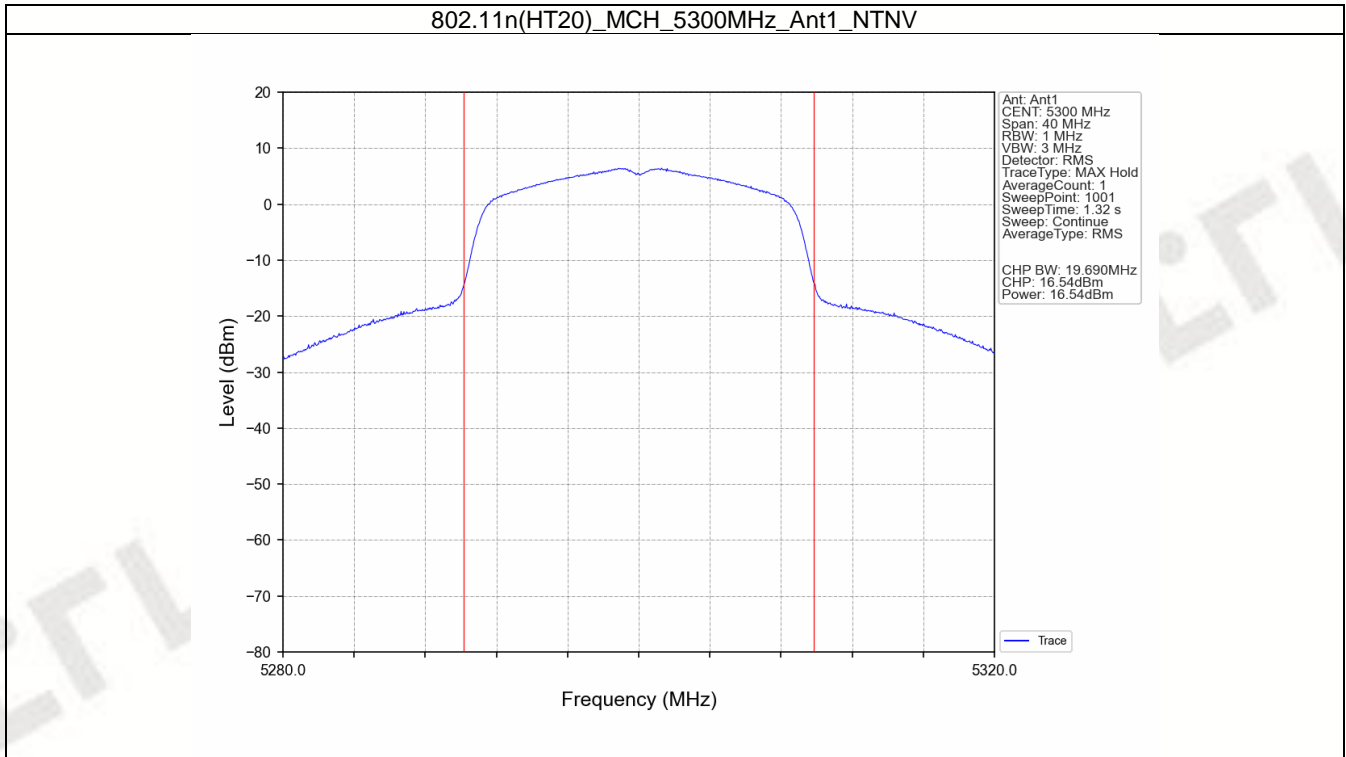
2.2.1 Power



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3. Maximum Power Spectral Density

3.1 Test Result

3.1.1 PSD

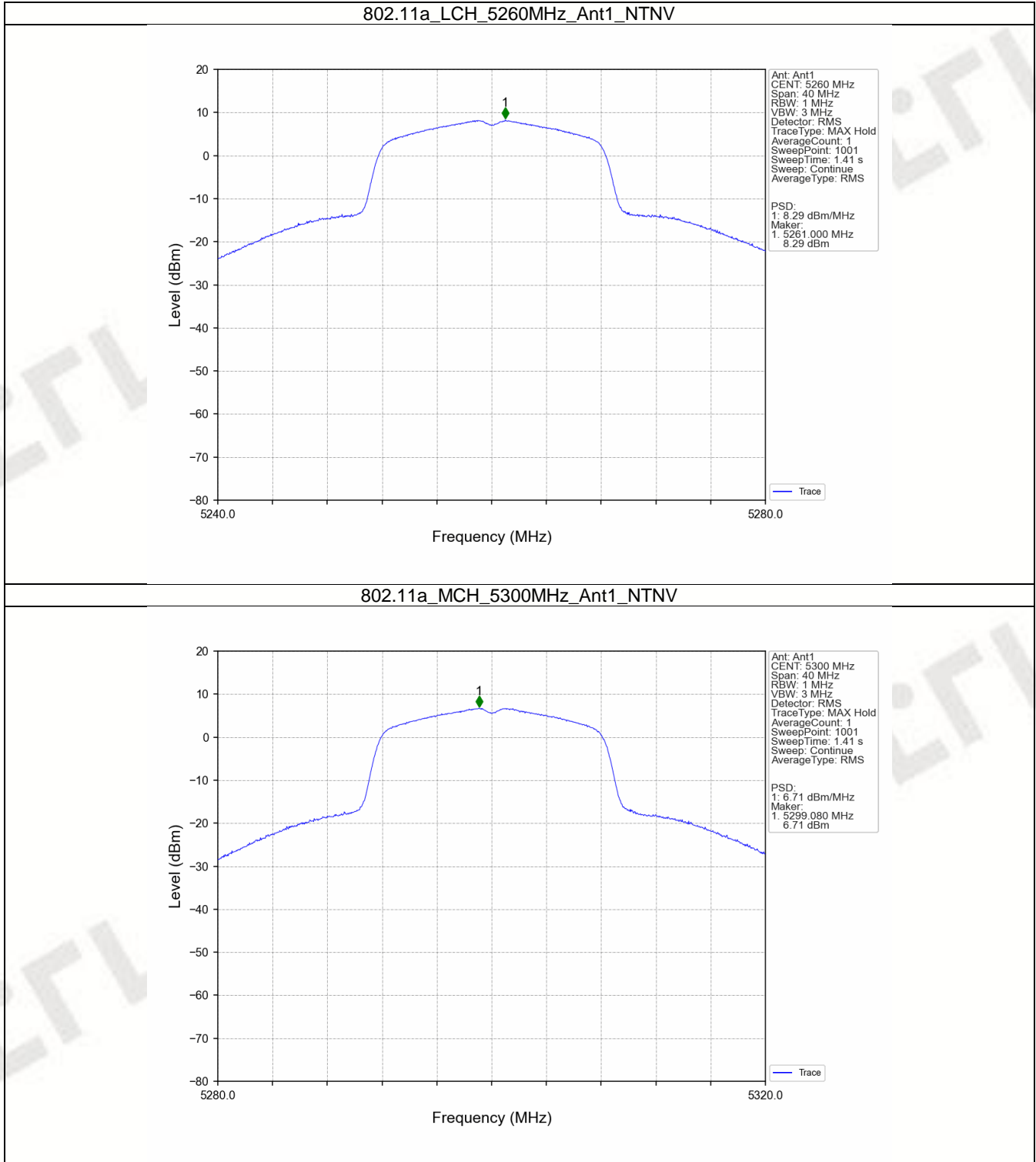
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/MHz)		Verdict
			ANT1	Limit	
802.11a	SISO	5260	8.29	<=11	Pass
		5300	6.71	<=11	Pass
		5320	6.23	<=11	Pass
802.11n (HT20)	SISO	5260	7.95	<=11	Pass
		5300	6.50	<=11	Pass
		5320	5.91	<=11	Pass

Note1: Antenna Gain: Ant1: 2.00dBi;

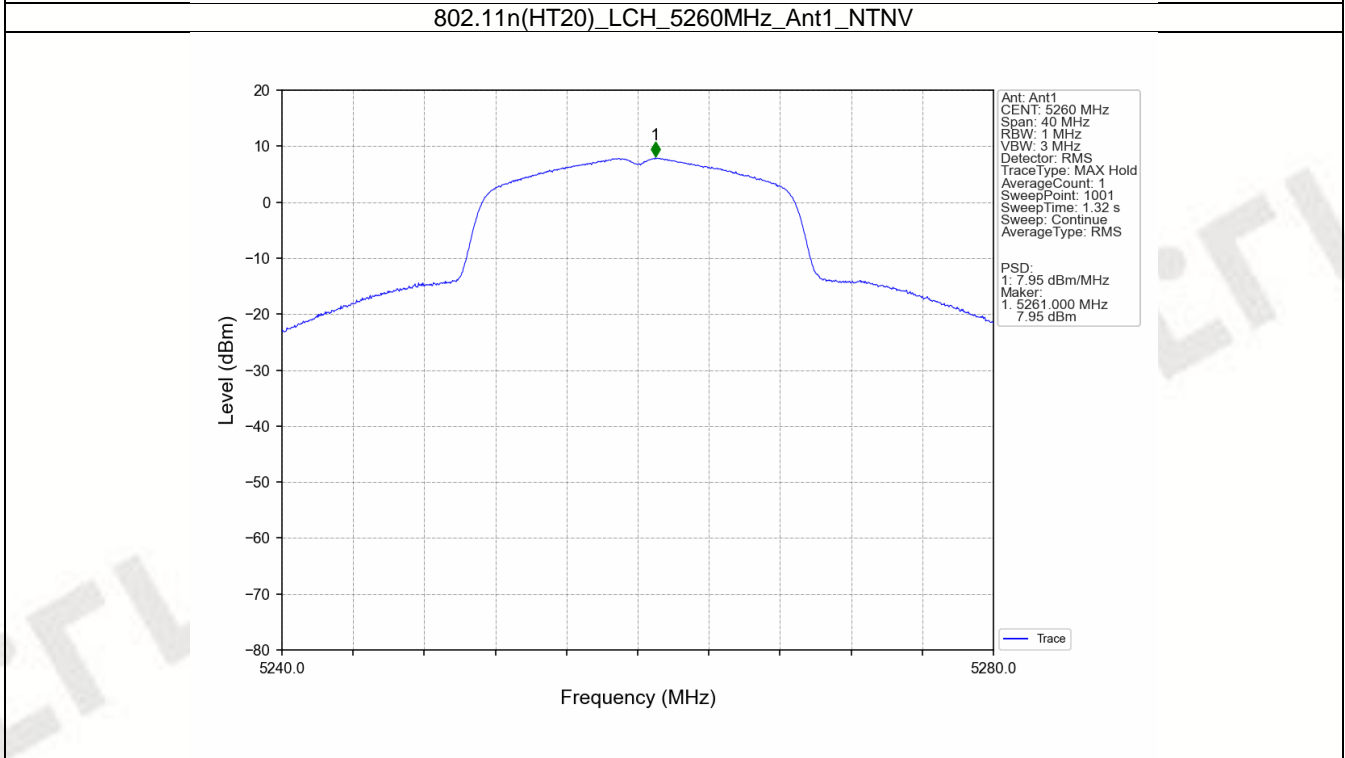
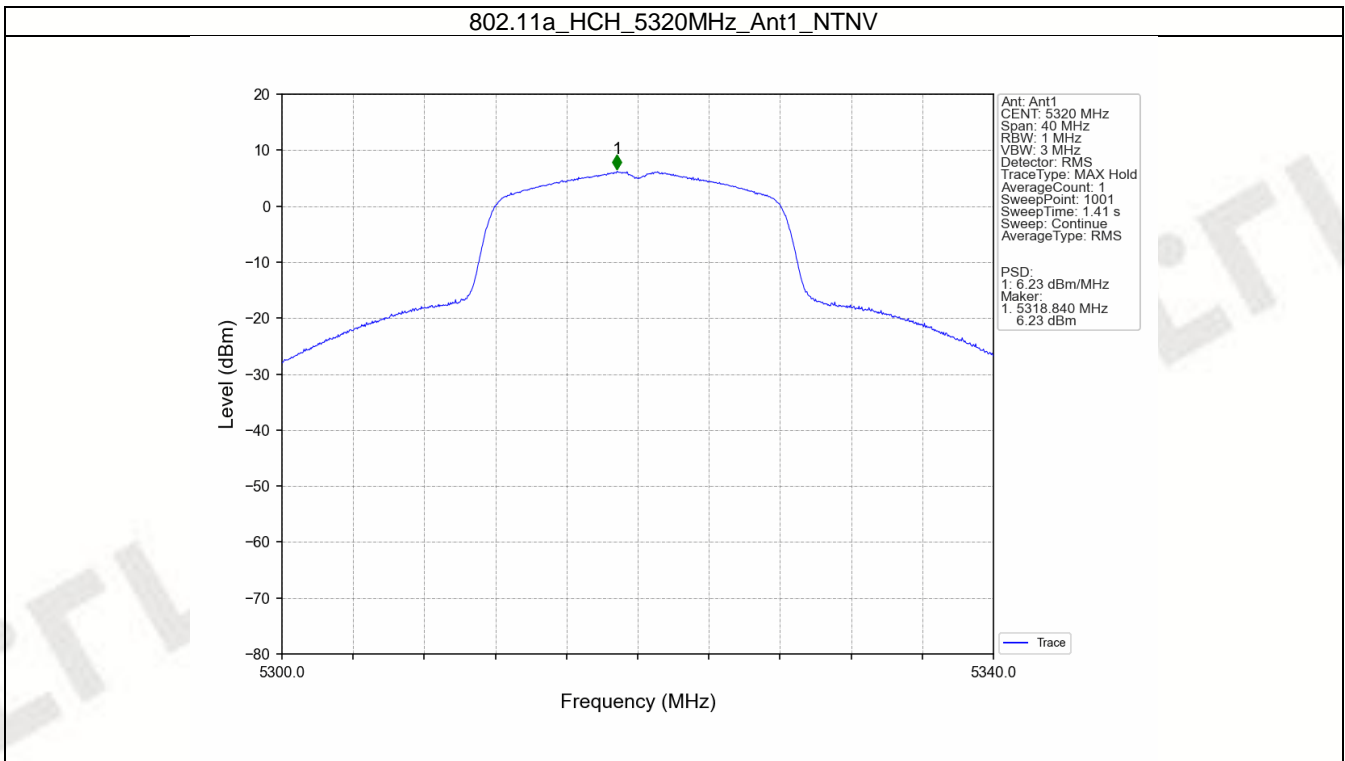
FCCID: 2BKN6-RXHE30W

3.2 Test Graph

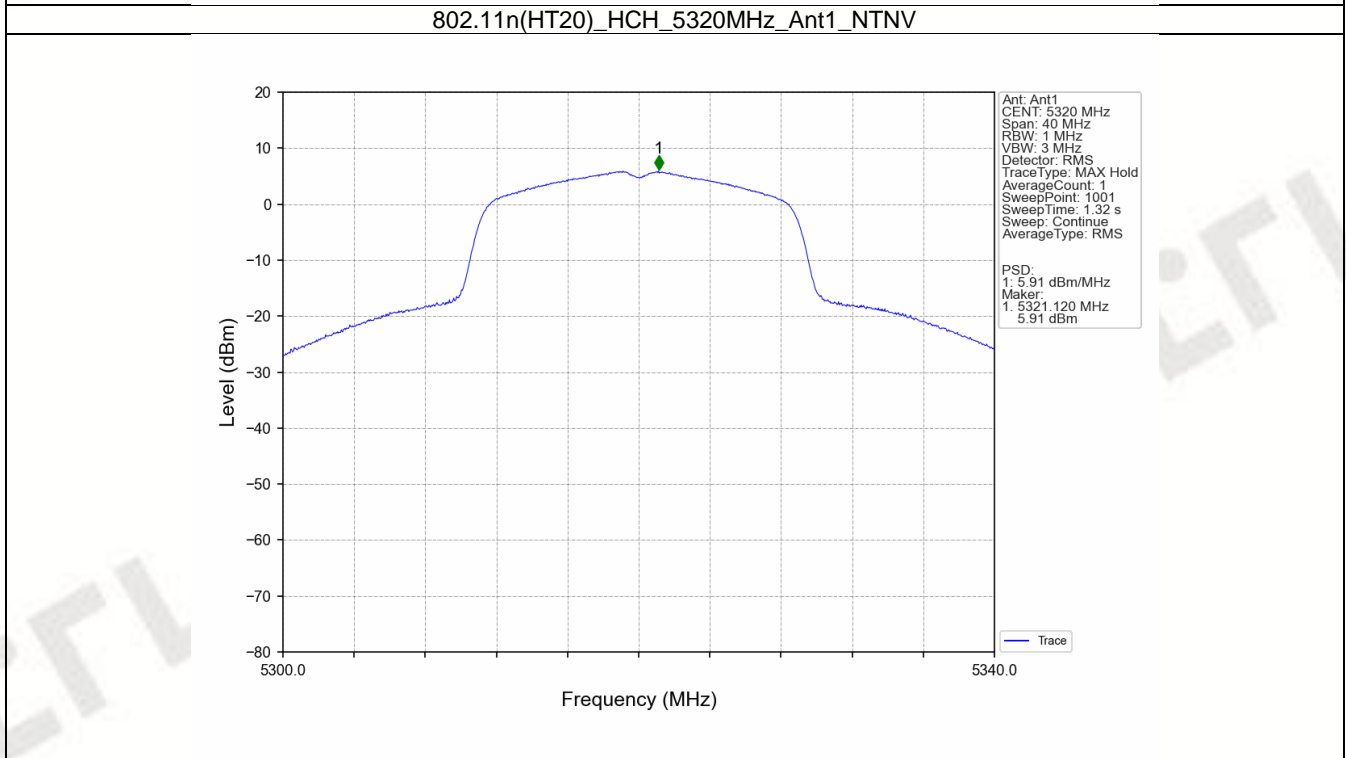
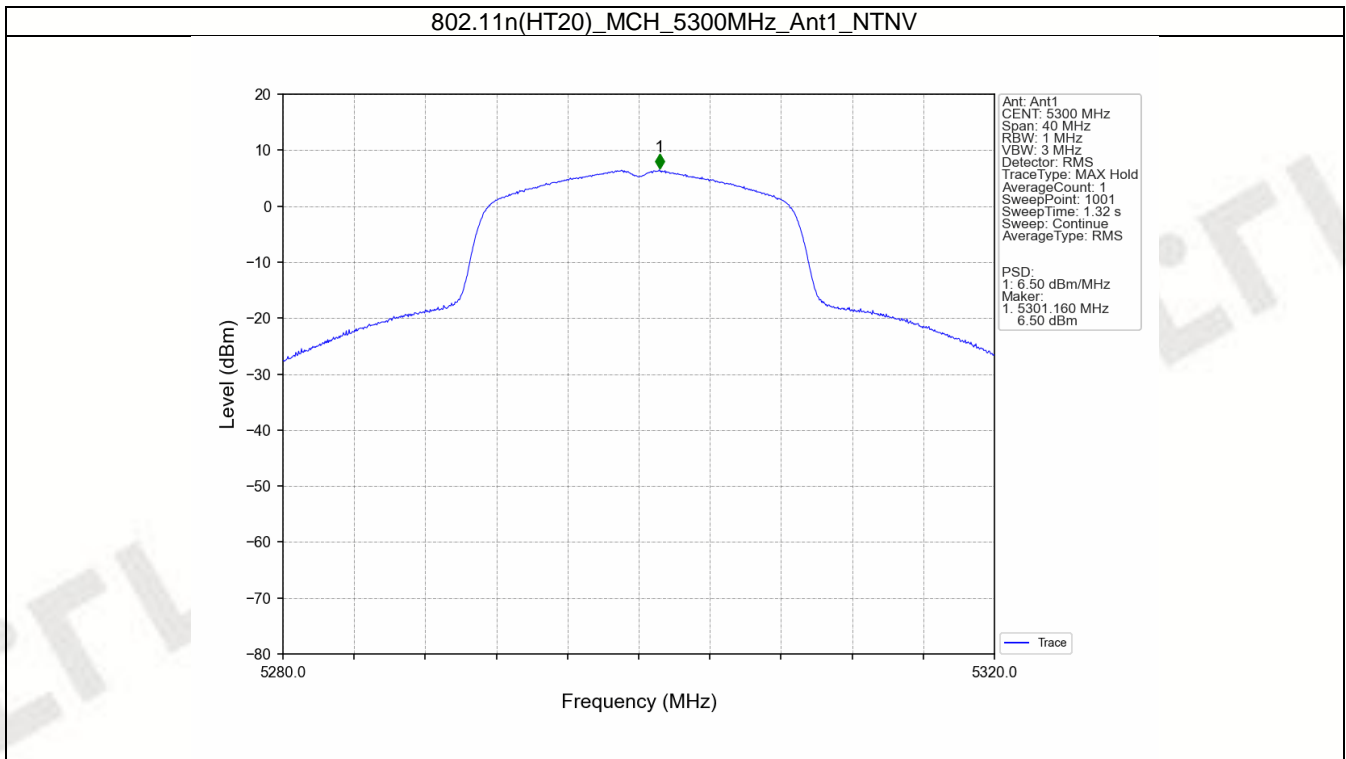
3.2.1 PSD



FCCID: 2BKN6-RXHE30W



FCCID: 2BKN6-RXHE30W



FCCID: 2BKN6-RXHE30W

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	5260.030	5250 to 5350	Pass	
				120	5260.030	5250 to 5350	Pass	
				138	5260.030	5250 to 5350	Pass	
			-30	120	5260.030	5250 to 5350	Pass	
				-20	120	5260.030	5250 to 5350	Pass
					120	5260.030	5250 to 5350	Pass
				-10	120	5260.030	5250 to 5350	Pass
					120	5260.030	5250 to 5350	Pass
				0	120	5260.030	5250 to 5350	Pass
				10	120	5260.029	5250 to 5350	Pass
		30	120	5260.029	5250 to 5350	Pass		
		40	120	5260.029	5250 to 5350	Pass		
		50	120	5260.029	5250 to 5350	Pass		
		5300	20	102	5300.030	5250 to 5350	Pass	
				120	5300.030	5250 to 5350	Pass	
				138	5300.030	5250 to 5350	Pass	
			-30	120	5300.029	5250 to 5350	Pass	
				-20	120	5300.029	5250 to 5350	Pass
					120	5300.029	5250 to 5350	Pass
				-10	120	5300.029	5250 to 5350	Pass
					120	5300.029	5250 to 5350	Pass
				0	120	5300.029	5250 to 5350	Pass
				10	120	5300.029	5250 to 5350	Pass
		30	120	5300.029	5250 to 5350	Pass		
		40	120	5300.029	5250 to 5350	Pass		
		50	120	5300.029	5250 to 5350	Pass		
		5320	20	102	5320.030	5250 to 5350	Pass	
				120	5320.030	5250 to 5350	Pass	
				138	5320.030	5250 to 5350	Pass	
			-30	120	5320.030	5250 to 5350	Pass	
-20	120			5320.029	5250 to 5350	Pass		
	120			5320.029	5250 to 5350	Pass		
-10	120			5320.030	5250 to 5350	Pass		
	120			5320.030	5250 to 5350	Pass		
0	120			5320.029	5250 to 5350	Pass		
10	120			5320.030	5250 to 5350	Pass		
30	120	5320.029	5250 to 5350	Pass				
40	120	5320.030	5250 to 5350	Pass				
50	120	5320.029	5250 to 5350	Pass				

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5. Form731

5.1 Test Result

5.1.1 Form731

Lower Freq (MHz)	High Freq (MHz)	MAX Power (W)	MAX Power (dBm)
5260	5320	0.0662	18.21