



Annex for 5G Wi-Fi BAND 2C

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	5500	1	17.107	/	Pass
		5580	1	17.043	/	Pass
		5700	1	17.160	/	Pass
802.11n (HT20)	SISO	5500	1	17.981	/	Pass
		5580	1	17.914	/	Pass
		5700	1	18.031	/	Pass

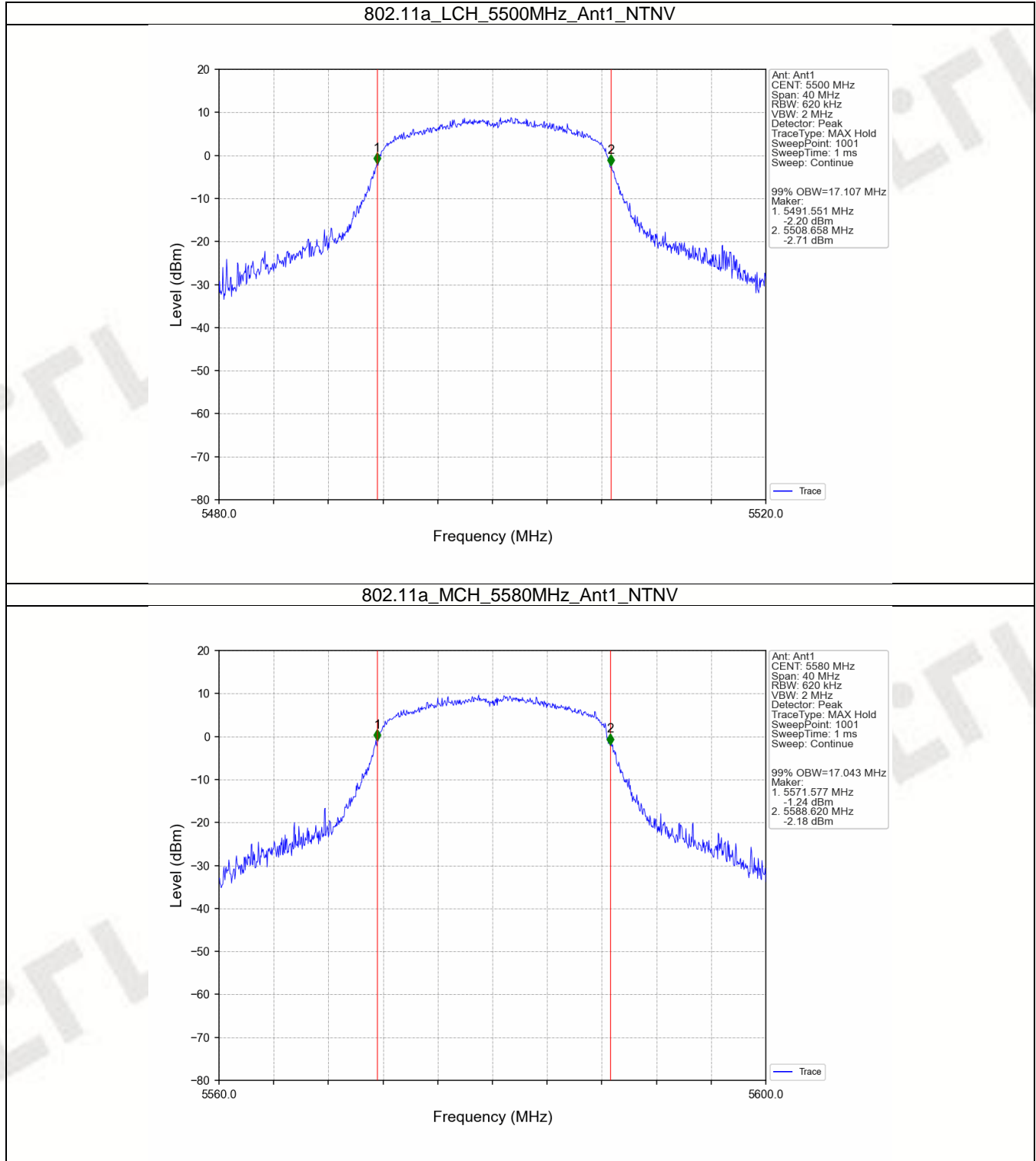
1.1.2 26dB BW

Mode	TX Type	Frequency (MHz)	ANT	26dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5500	1	19.952	/	Pass
		5580	1	19.724	/	Pass
		5700	1	20.294	/	Pass
802.11n (HT20)	SISO	5500	1	20.331	/	Pass
		5580	1	20.567	/	Pass
		5700	1	20.337	/	Pass

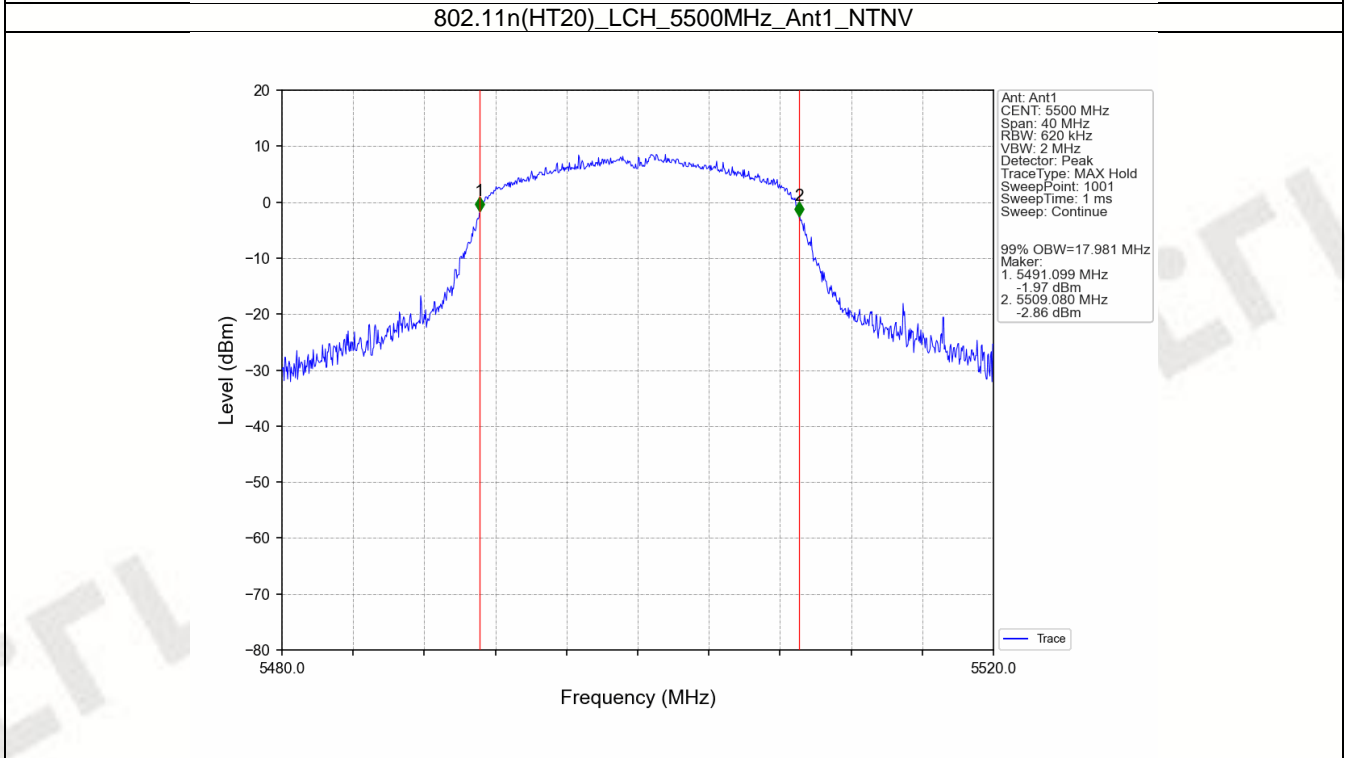
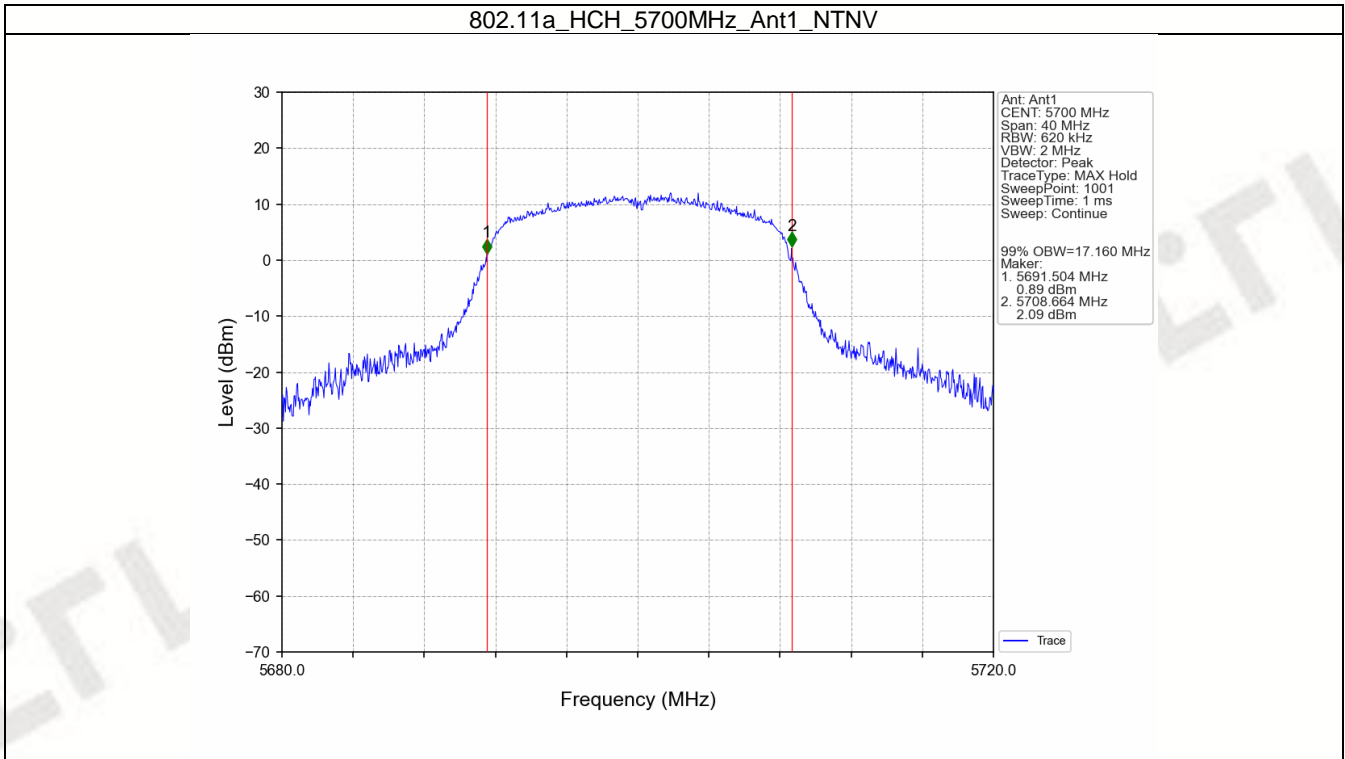
FCCID: 2BKN6-RXHE30W

1.2 Test Graph

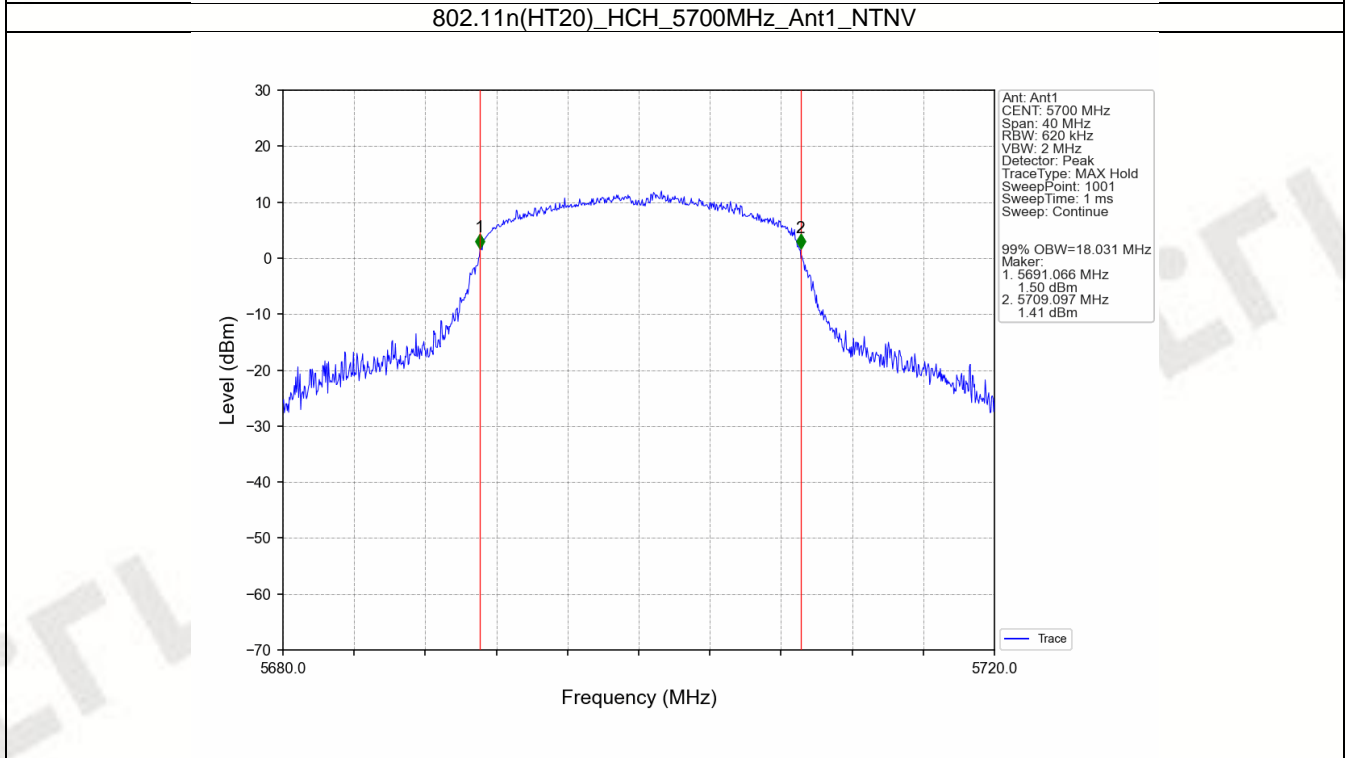
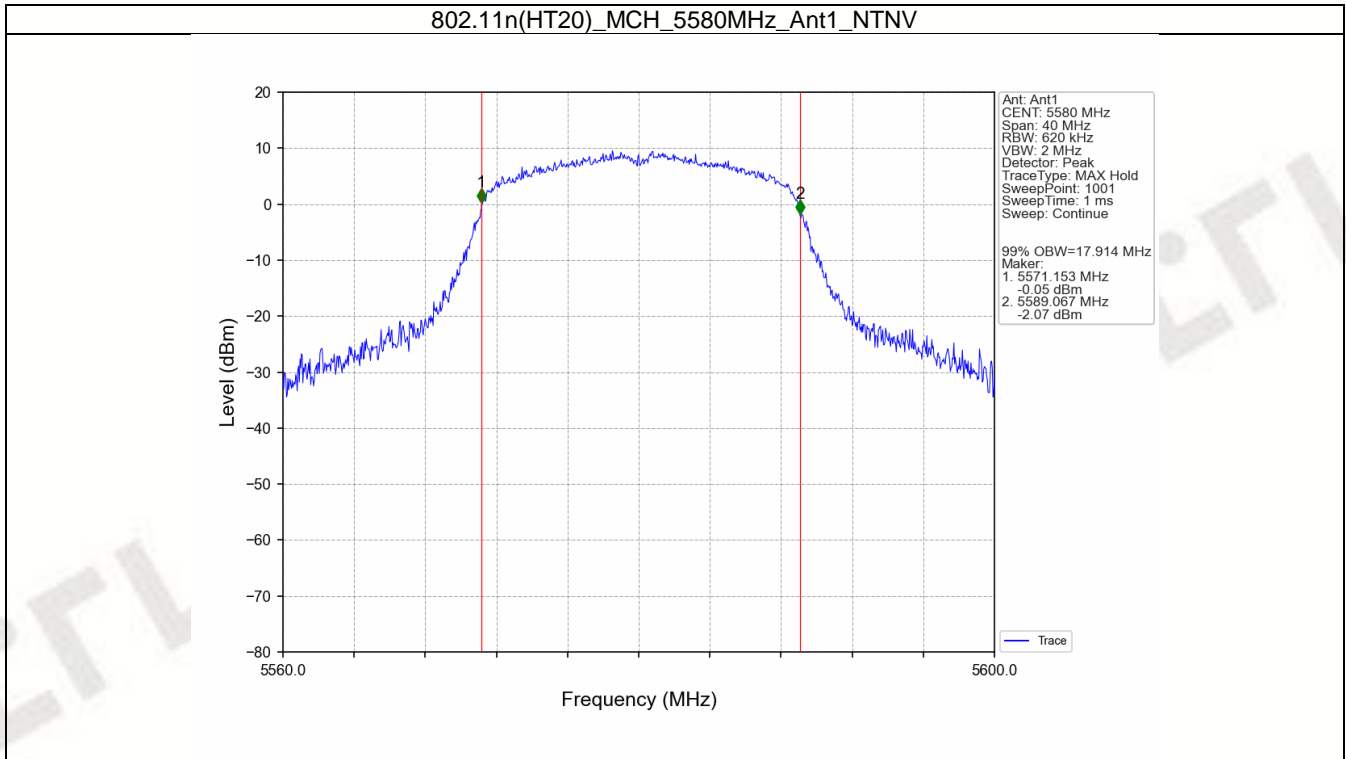
1.2.1 OBW



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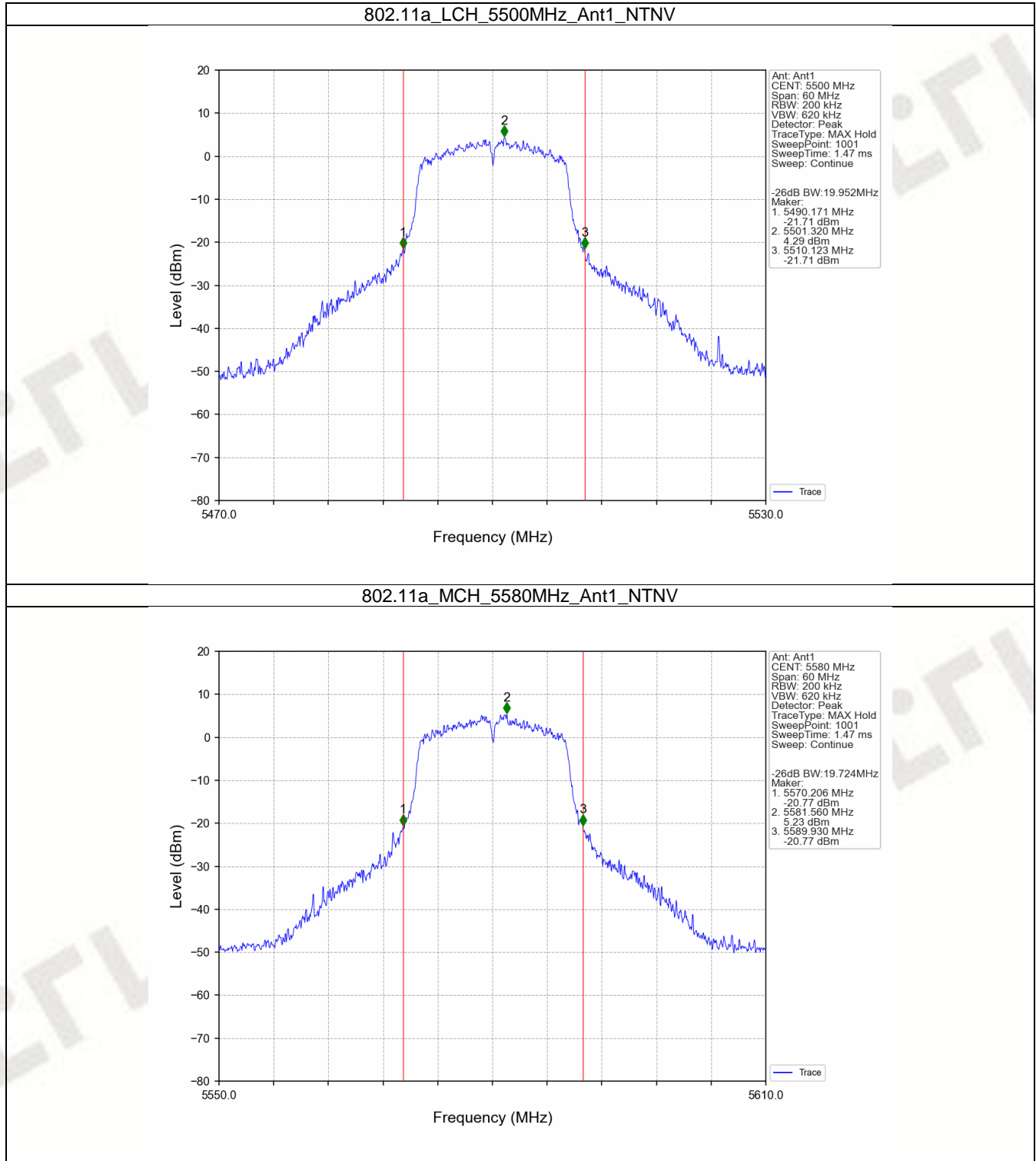


FCCID: 2BKN6-RXHE30W

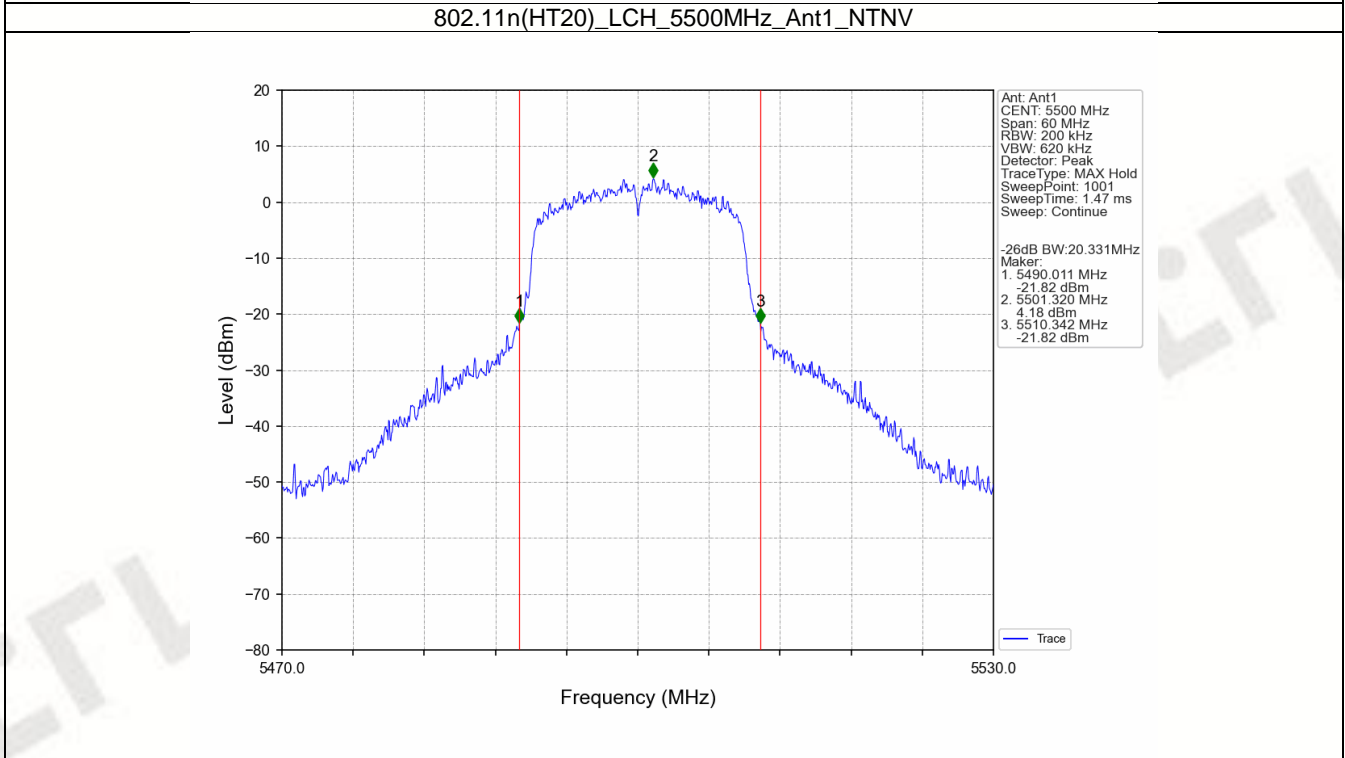
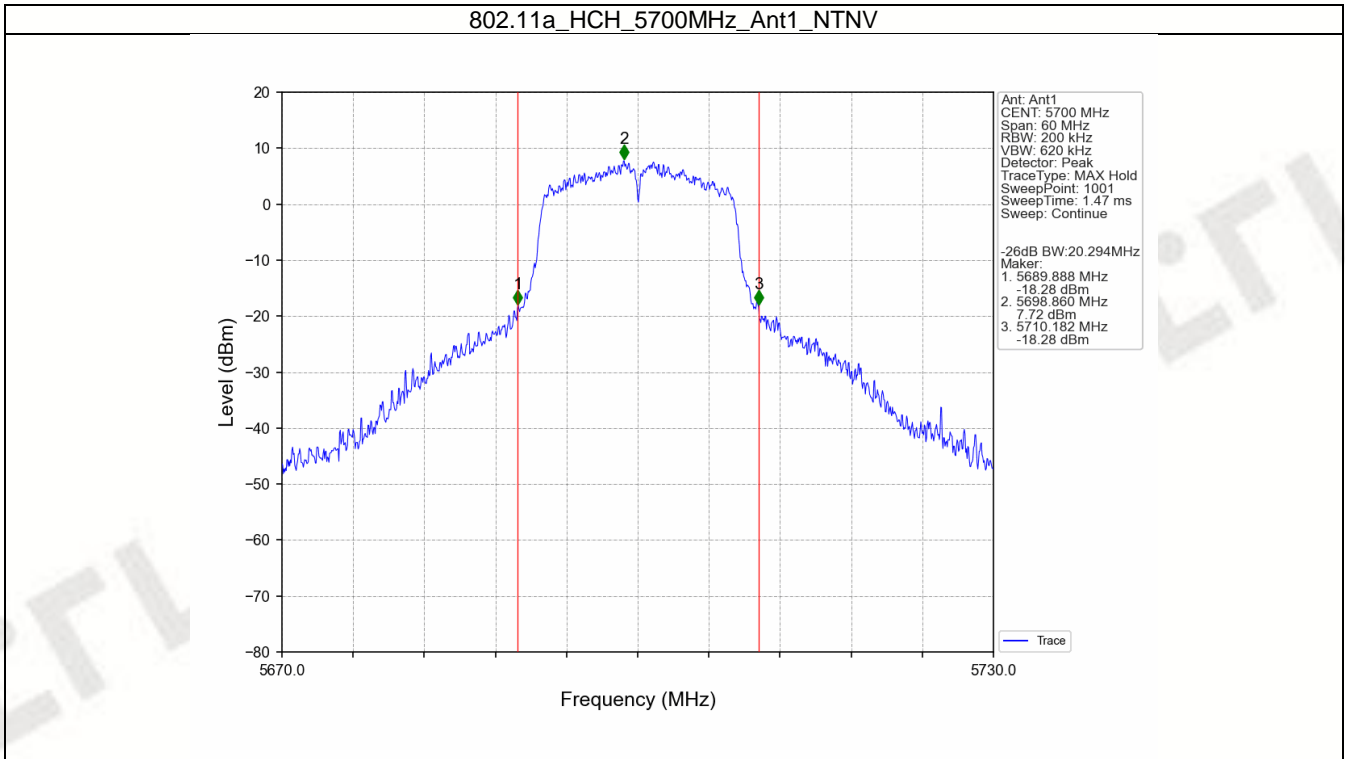


FCCID: 2BKN6-RXHE30W

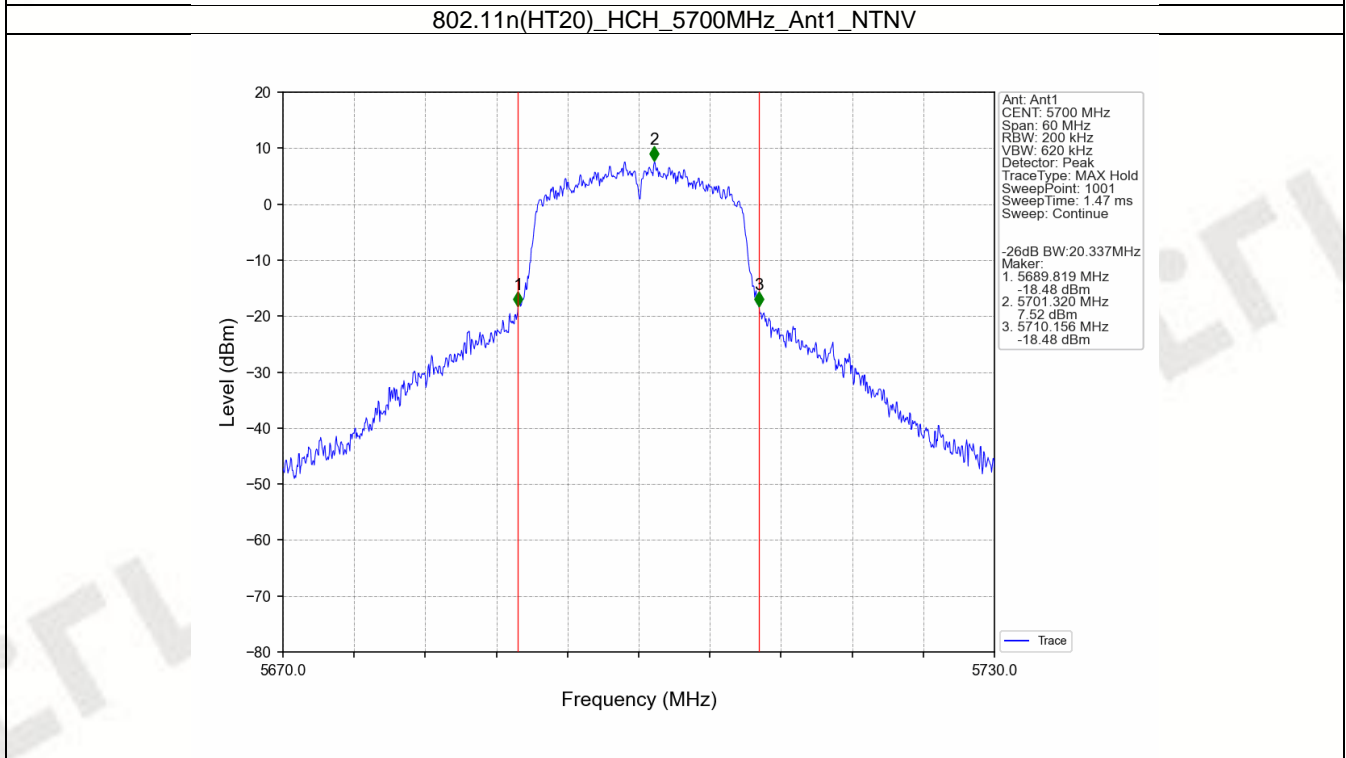
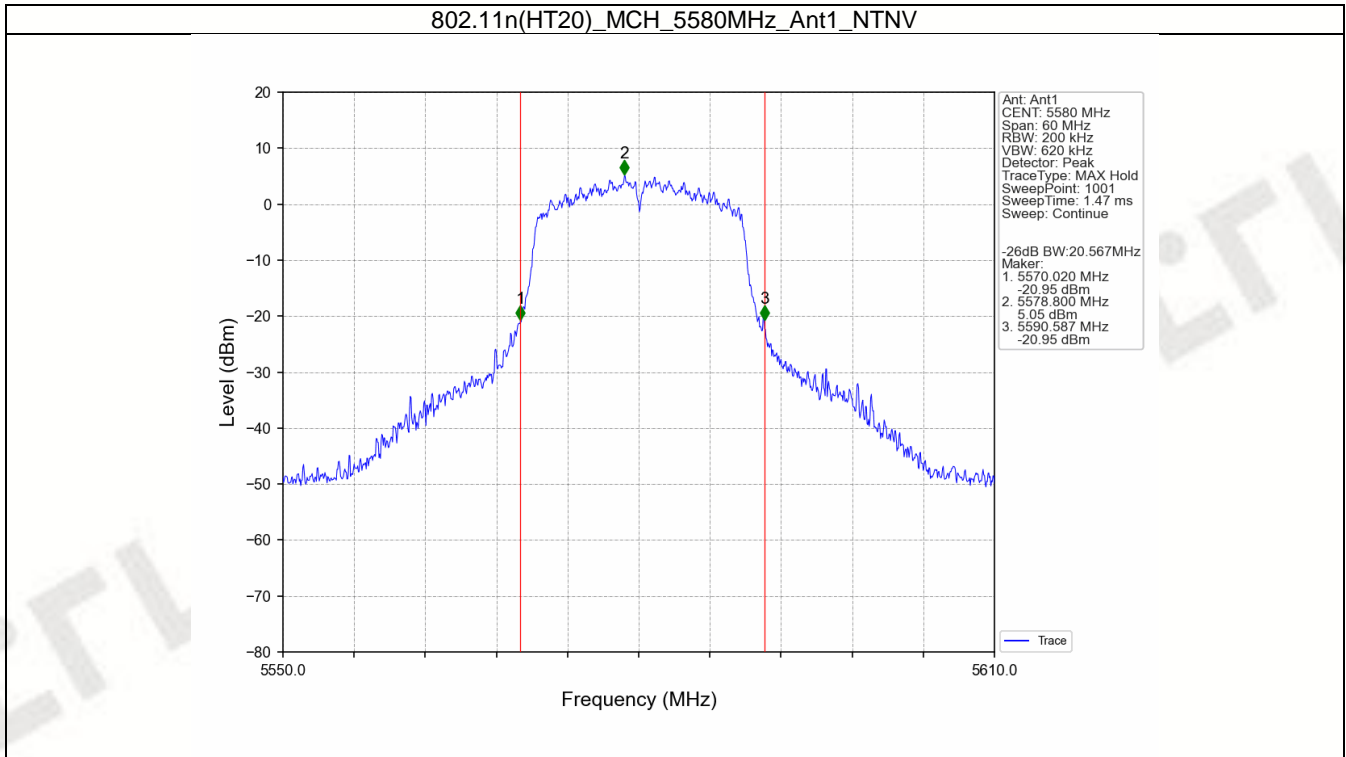
1.2.2 26dB BW



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FCCID: 2BKN6-RXHE30W



FCCID: 2BKN6-RXHE30W

2. Maximum Conducted Output Power

2.1 Test Result

2.1.1 Power

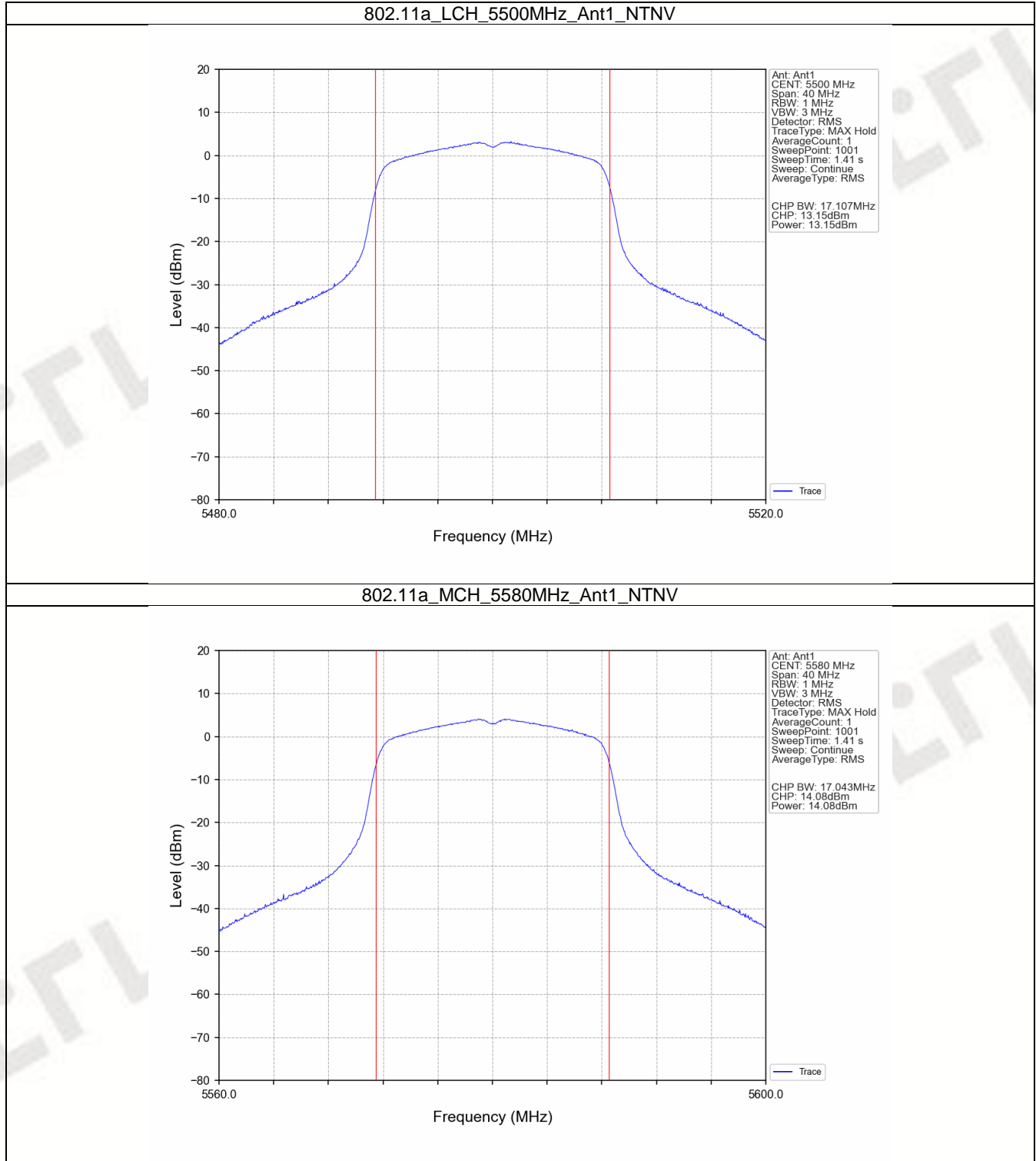
Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
802.11a	SISO	5500	13.15	<=23.98	Pass
		5580	14.08	<=23.95	Pass
		5700	16.45	<=23.98	Pass
802.11n (HT20)	SISO	5500	12.96	<=23.98	Pass
		5580	13.93	<=23.98	Pass
		5700	16.26	<=23.98	Pass

Note1: Antenna Gain: Ant1: 2.00dBi;

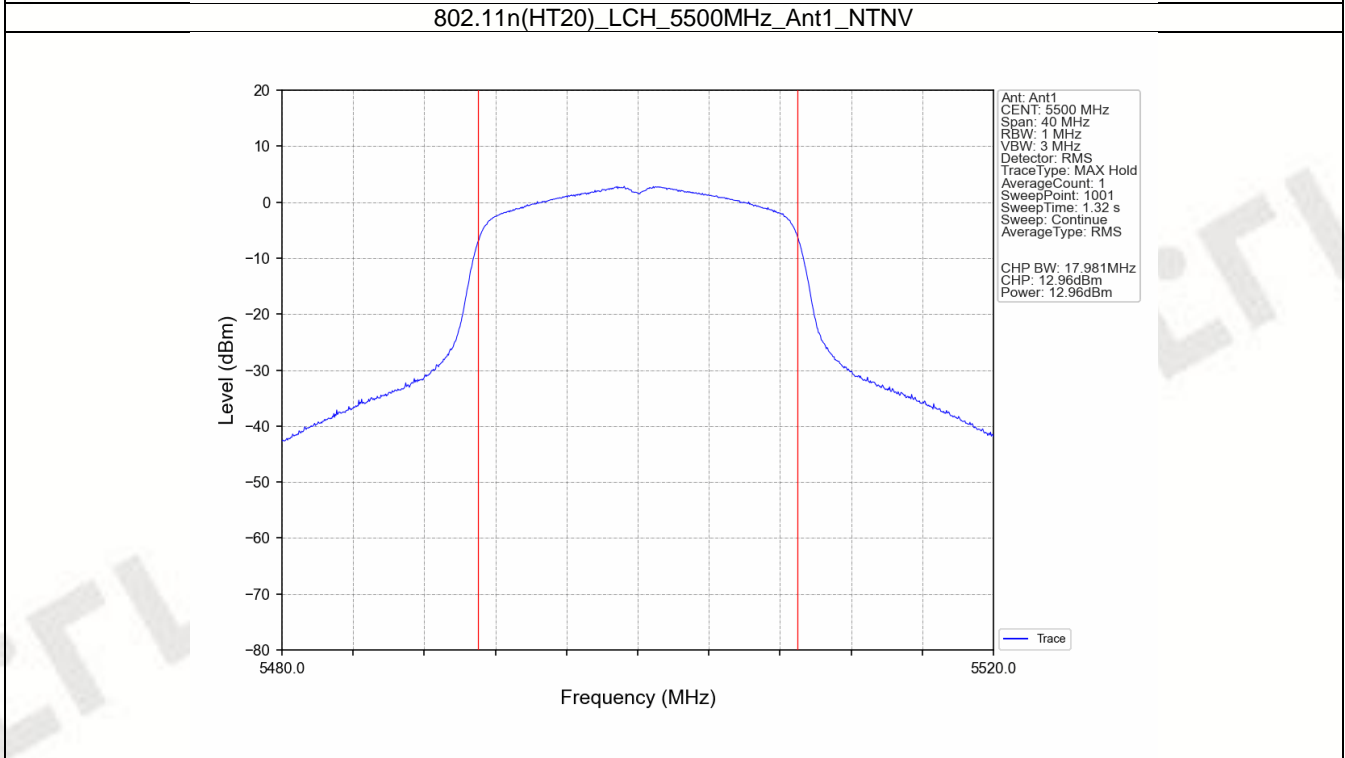
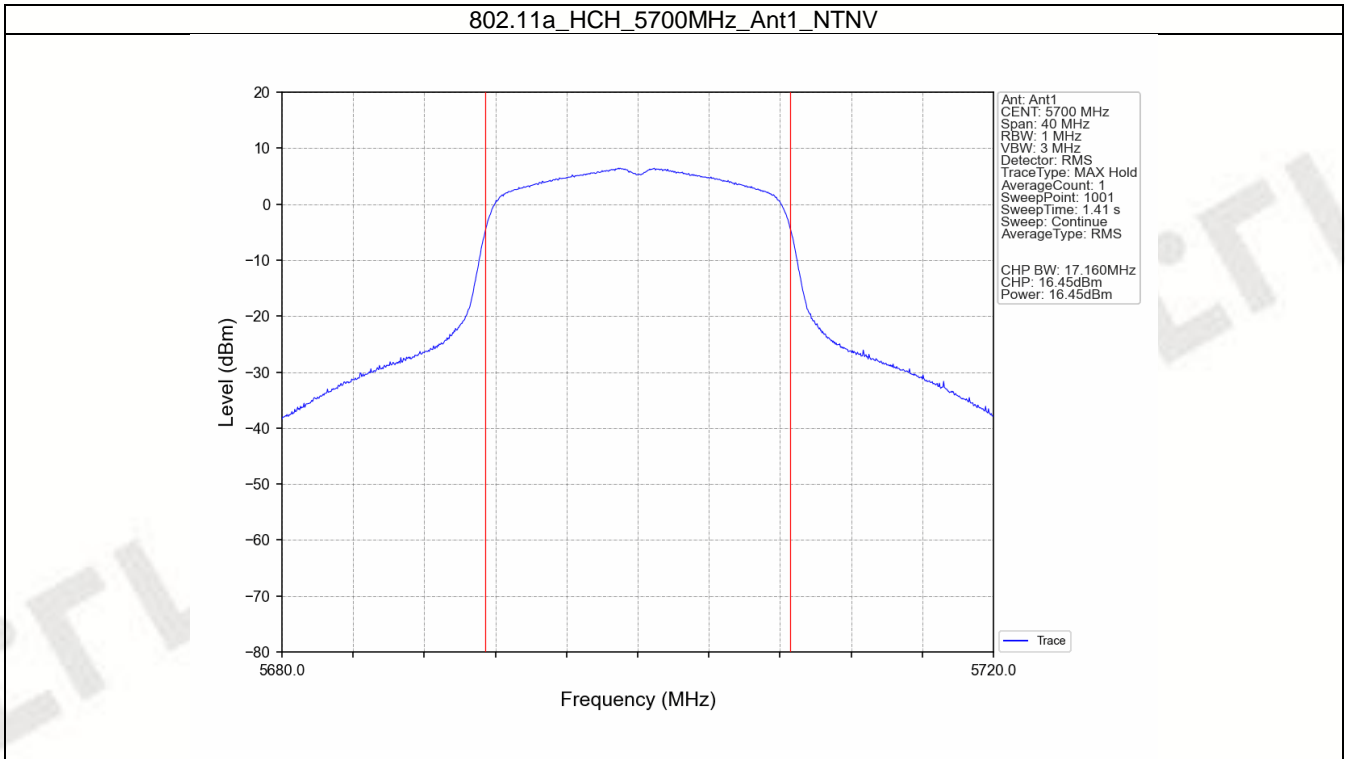
FCCID: 2BKN6-RXHE30W

2.2 Test Graph

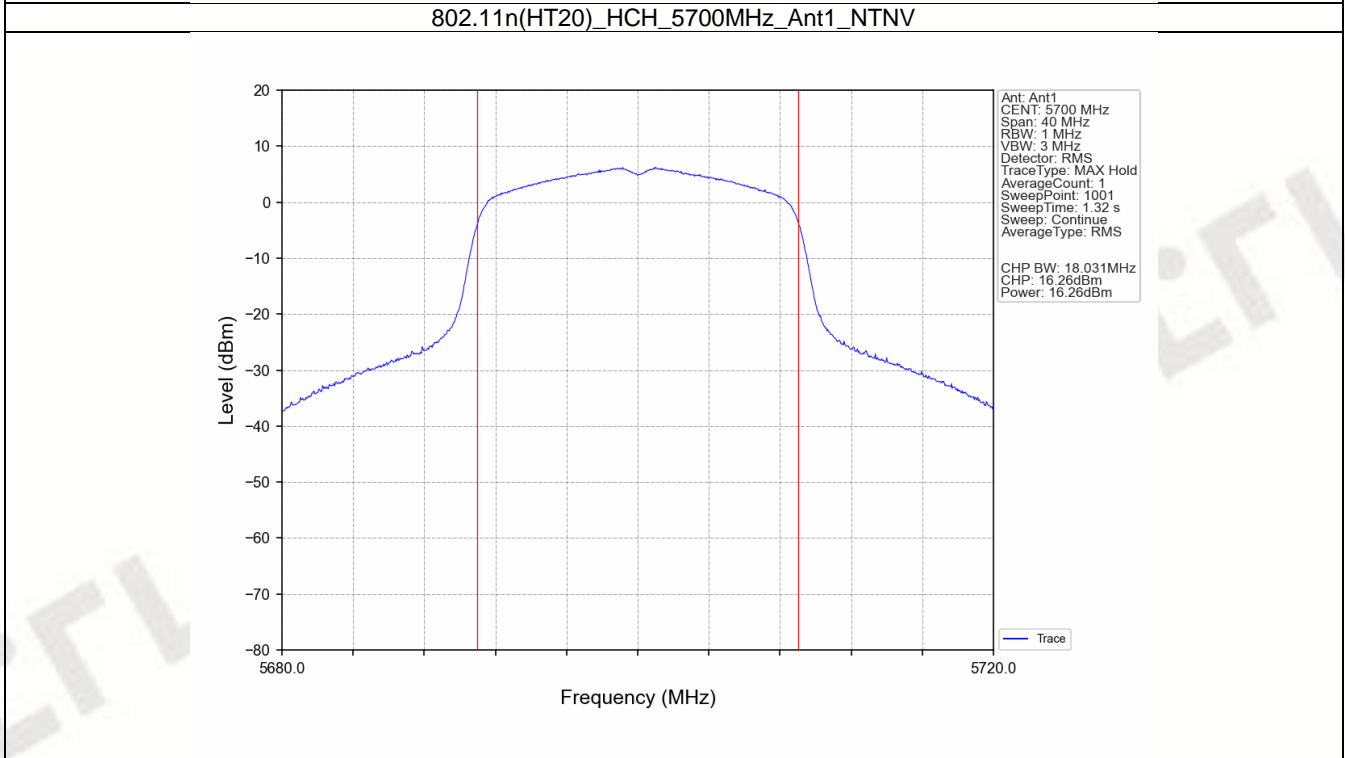
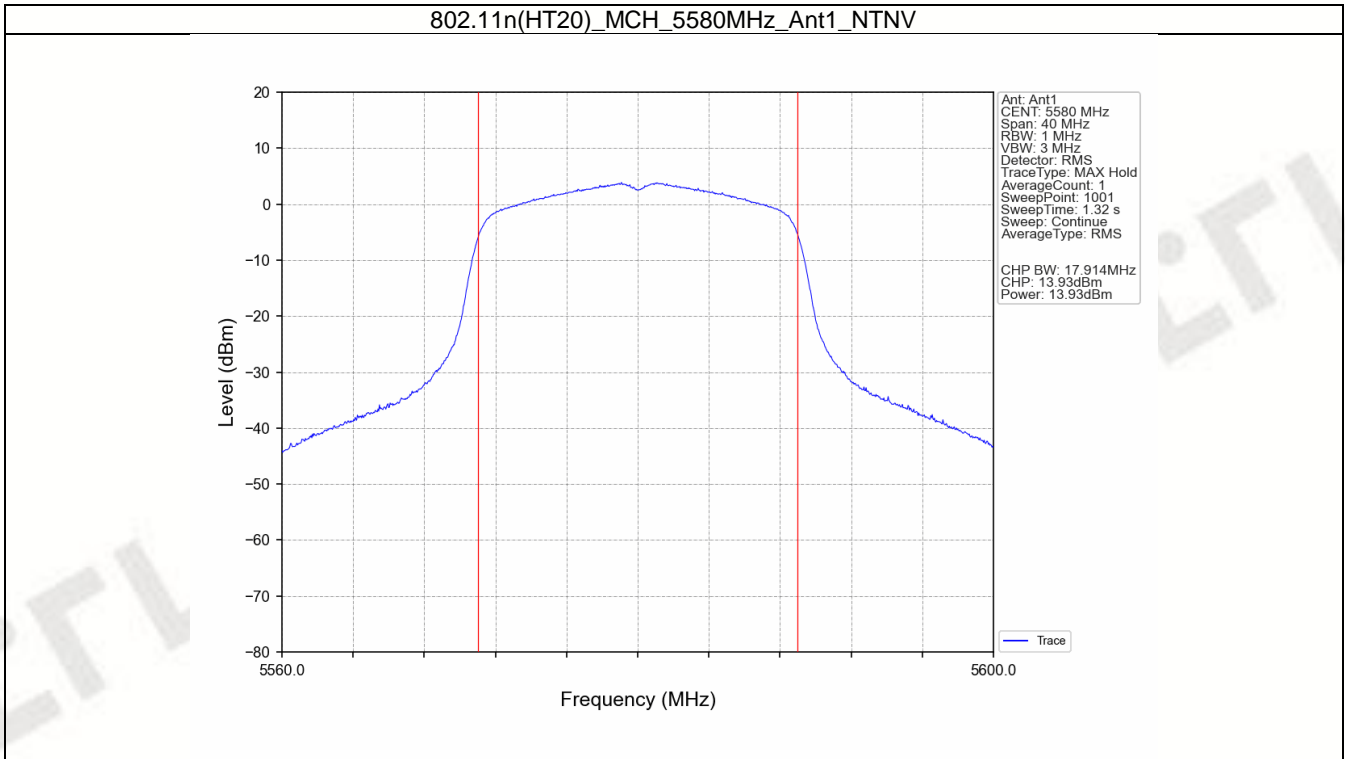
2.2.1 Power



FCCID: 2BKN6-RXHE30W



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3. Maximum Power Spectral Density

3.1 Test Result

3.1.1 PSD

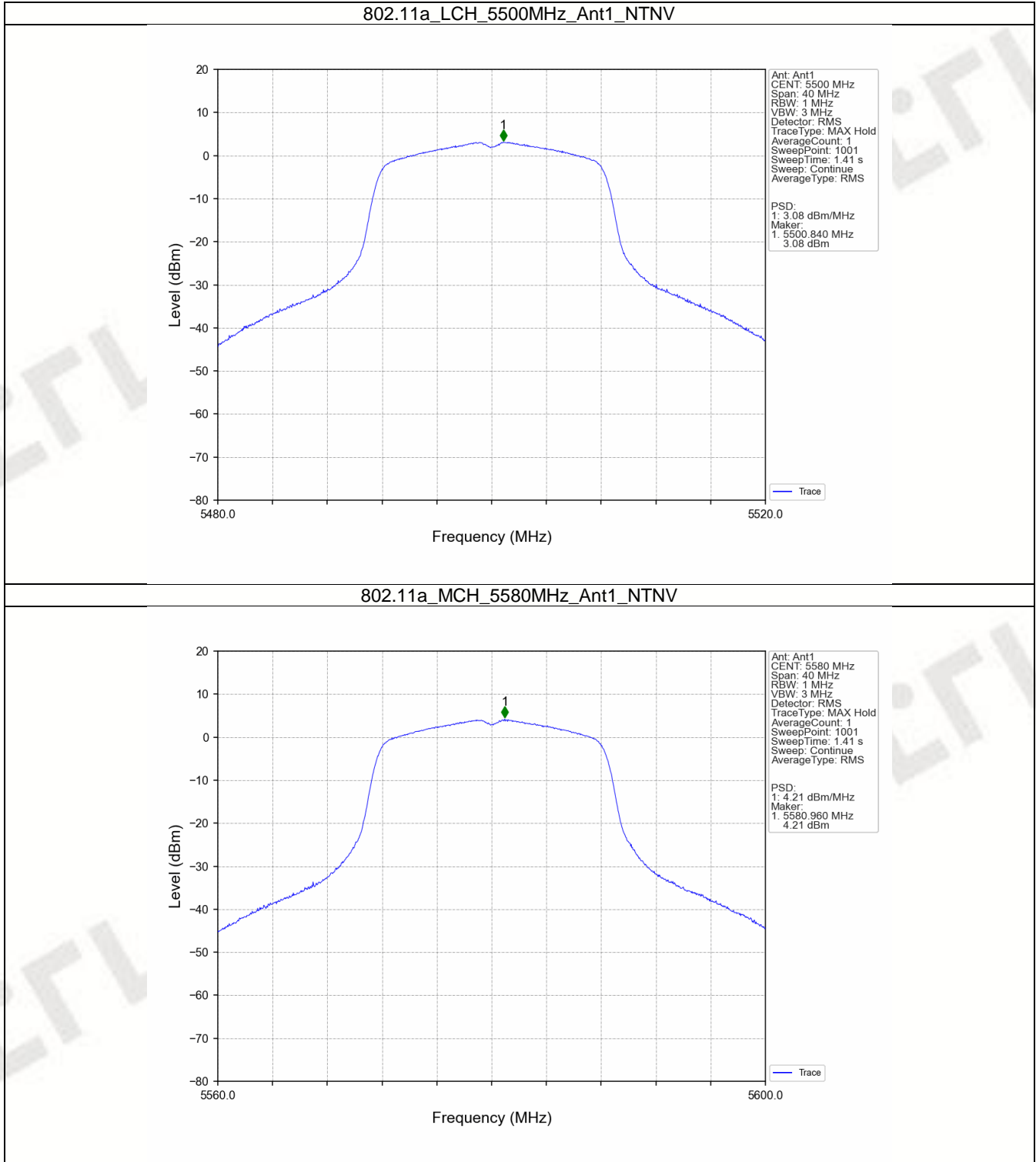
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/MHz)		Verdict
			ANT1	Limit	
802.11a	SISO	5500	3.08	<=11	Pass
		5580	4.21	<=11	Pass
		5700	6.47	<=11	Pass
802.11n (HT20)	SISO	5500	2.89	<=11	Pass
		5580	3.86	<=11	Pass
		5700	6.32	<=11	Pass

Note1: Antenna Gain: Ant1: 2.00dBi;

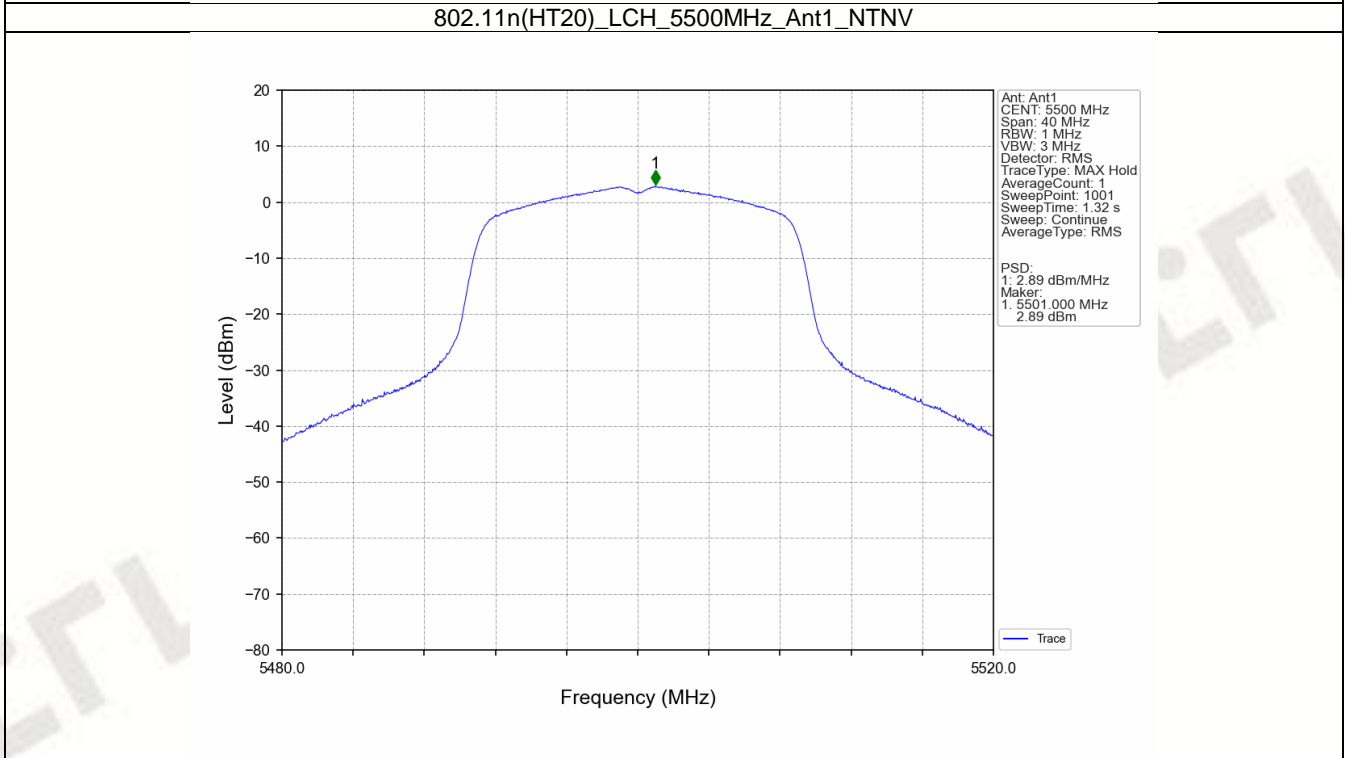
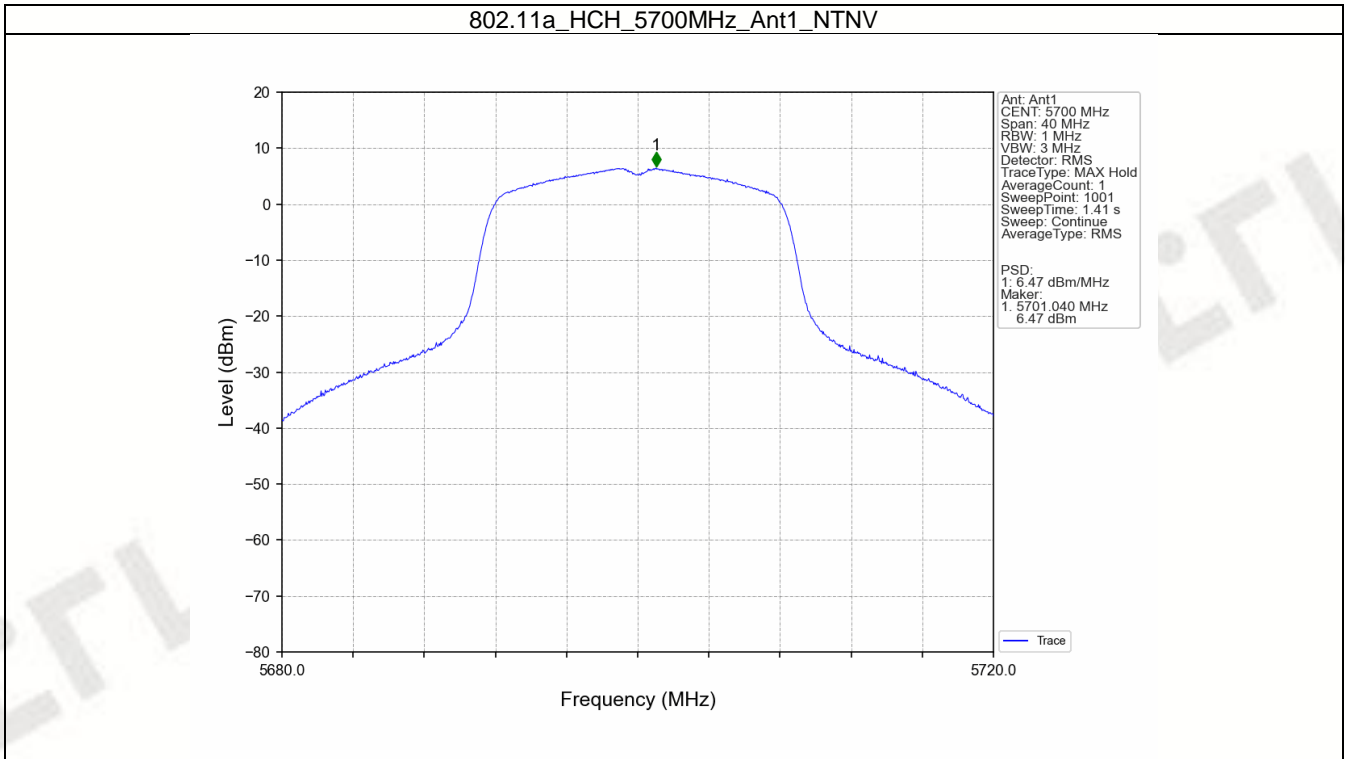
FCCID: 2BKN6-RXHE30W

3.2 Test Graph

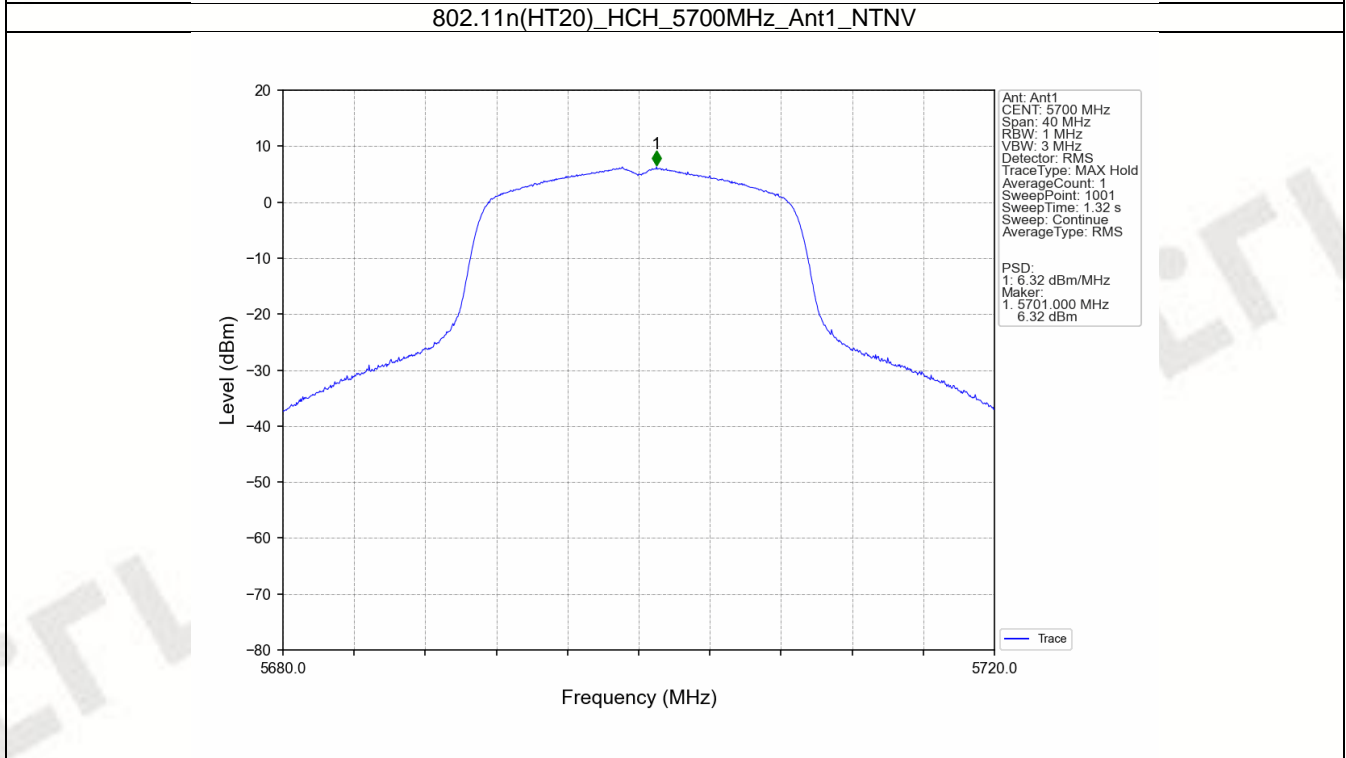
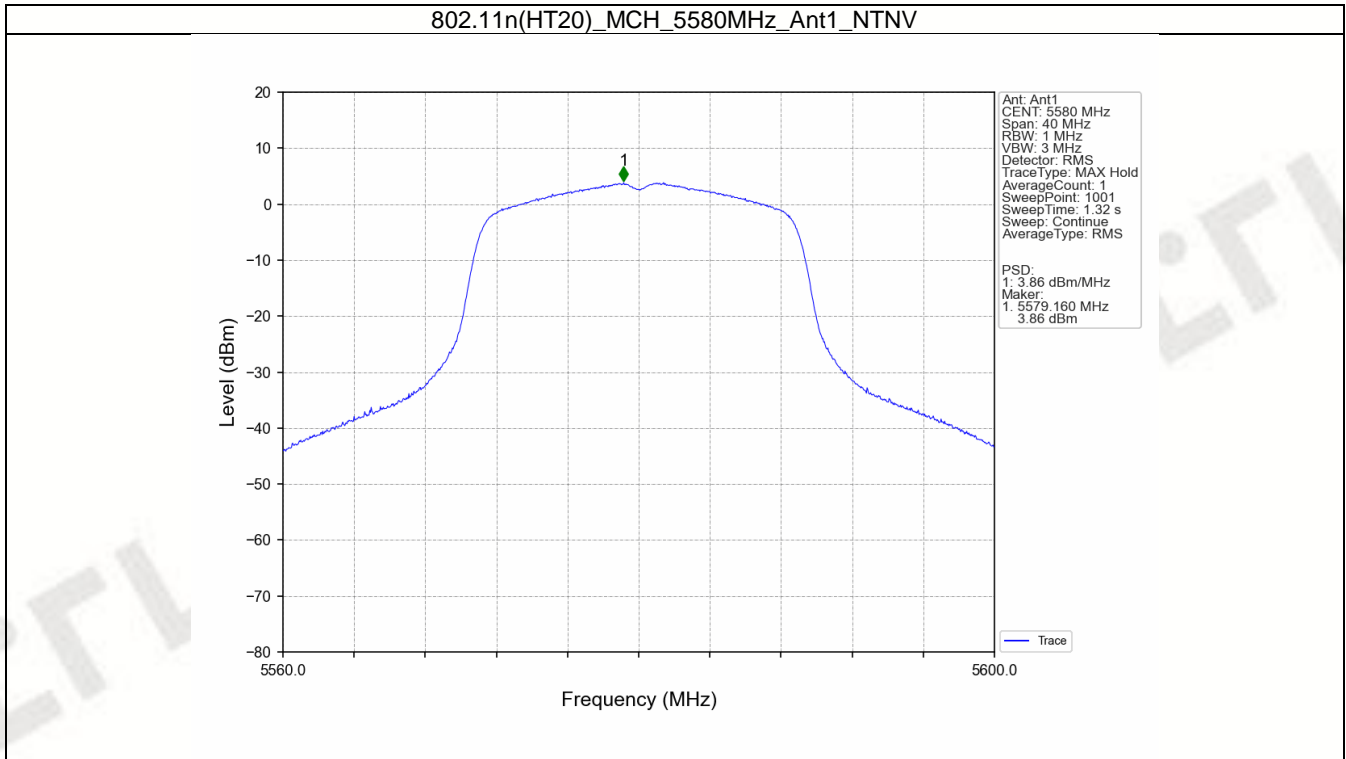
3.2.1 PSD



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	5500	20	102	5500.031	5470 to 5725	Pass	
				120	5500.031	5470 to 5725	Pass	
				138	5500.031	5470 to 5725	Pass	
			-30	120	5500.031	5470 to 5725	Pass	
				-20	120	5500.031	5470 to 5725	Pass
					120	5500.031	5470 to 5725	Pass
				-10	120	5500.031	5470 to 5725	Pass
					120	5500.031	5470 to 5725	Pass
				0	120	5500.031	5470 to 5725	Pass
				10	120	5500.031	5470 to 5725	Pass
		30	120	5500.031	5470 to 5725	Pass		
		40	120	5500.031	5470 to 5725	Pass		
		50	120	5500.031	5470 to 5725	Pass		
		5580	20	102	5580.031	5470 to 5725	Pass	
				120	5580.031	5470 to 5725	Pass	
				138	5580.031	5470 to 5725	Pass	
			-30	120	5580.031	5470 to 5725	Pass	
				-20	120	5580.031	5470 to 5725	Pass
					120	5580.031	5470 to 5725	Pass
				-10	120	5580.031	5470 to 5725	Pass
					120	5580.031	5470 to 5725	Pass
				0	120	5580.031	5470 to 5725	Pass
				10	120	5580.031	5470 to 5725	Pass
		30	120	5580.031	5470 to 5725	Pass		
		40	120	5580.031	5470 to 5725	Pass		
		50	120	5580.031	5470 to 5725	Pass		
		5700	20	102	5700.032	5470 to 5725	Pass	
				120	5700.031	5470 to 5725	Pass	
				138	5700.032	5470 to 5725	Pass	
			-30	120	5700.031	5470 to 5725	Pass	
-20	120			5700.031	5470 to 5725	Pass		
	120			5700.031	5470 to 5725	Pass		
-10	120			5700.032	5470 to 5725	Pass		
	120			5700.032	5470 to 5725	Pass		
0	120			5700.032	5470 to 5725	Pass		
10	120			5700.031	5470 to 5725	Pass		
30	120	5700.032	5470 to 5725	Pass				
40	120	5700.031	5470 to 5725	Pass				
50	120	5700.031	5470 to 5725	Pass				

FCCID: 2BKN6-RXHE30W

5. Form731

5.1 Test Result

5.1.1 Form731

Lower Freq (MHz)	High Freq (MHz)	MAX Power (W)	MAX Power (dBm)
5500	5700	0.0442	16.45