



Annex for 5G Wi-Fi BAND 1

Test Report No.: CTL2408152111-WF

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 5.1 Test Result 18

 5.1.1 Form731 18

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	5180	1	17.640	/	Pass
		5200	1	17.744	/	Pass
		5240	1	18.086	/	Pass
802.11n (HT20)	SISO	5180	1	18.463	/	Pass
		5200	1	18.416	/	Pass
		5240	1	18.808	/	Pass

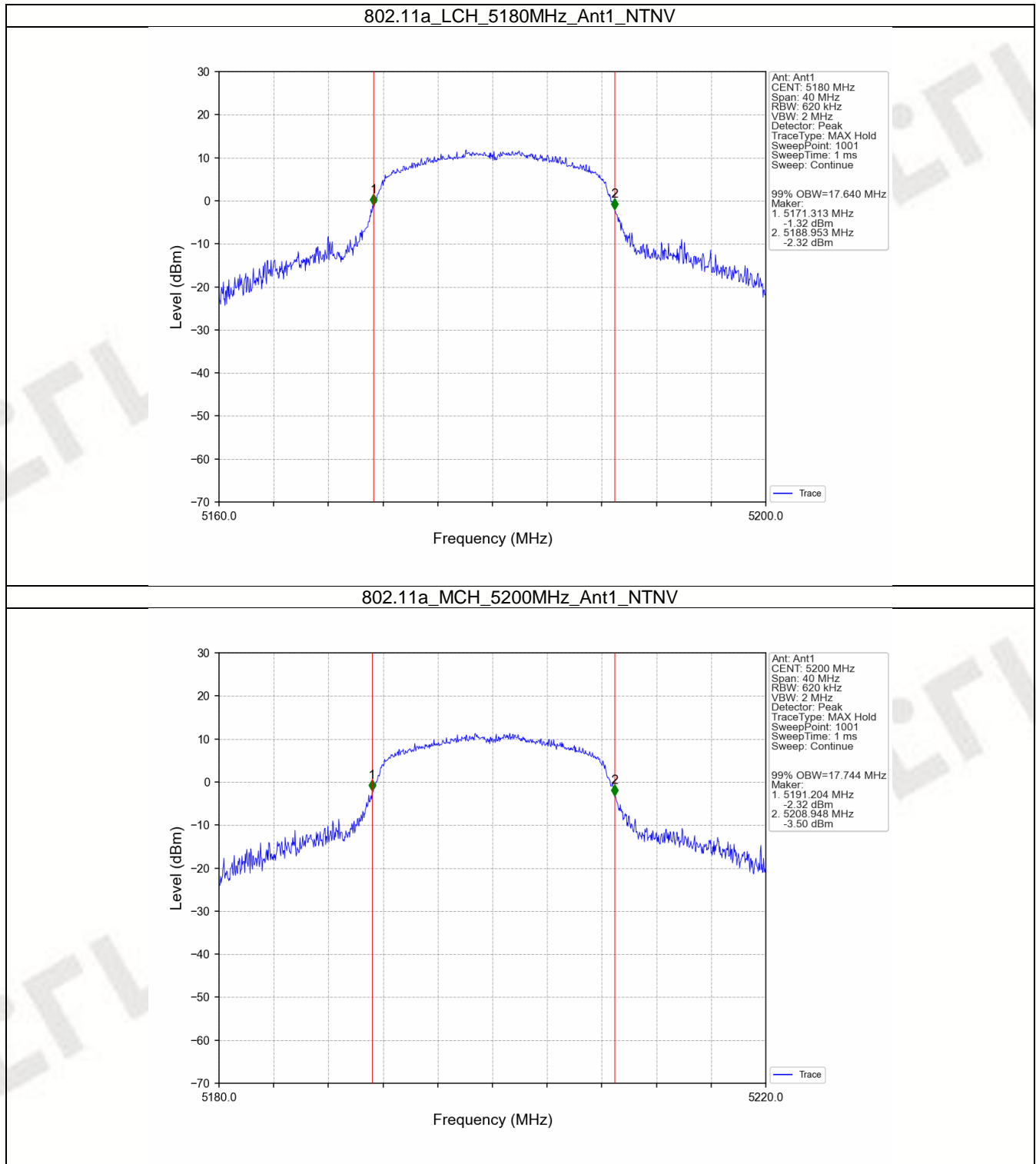
1.1.2 26dB BW

Mode	TX Type	Frequency (MHz)	ANT	26dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5180	1	24.753	/	Pass
		5200	1	25.555	/	Pass
		5240	1	28.272	/	Pass
802.11n (HT20)	SISO	5180	1	26.958	/	Pass
		5200	1	24.999	/	Pass
		5240	1	26.113	/	Pass

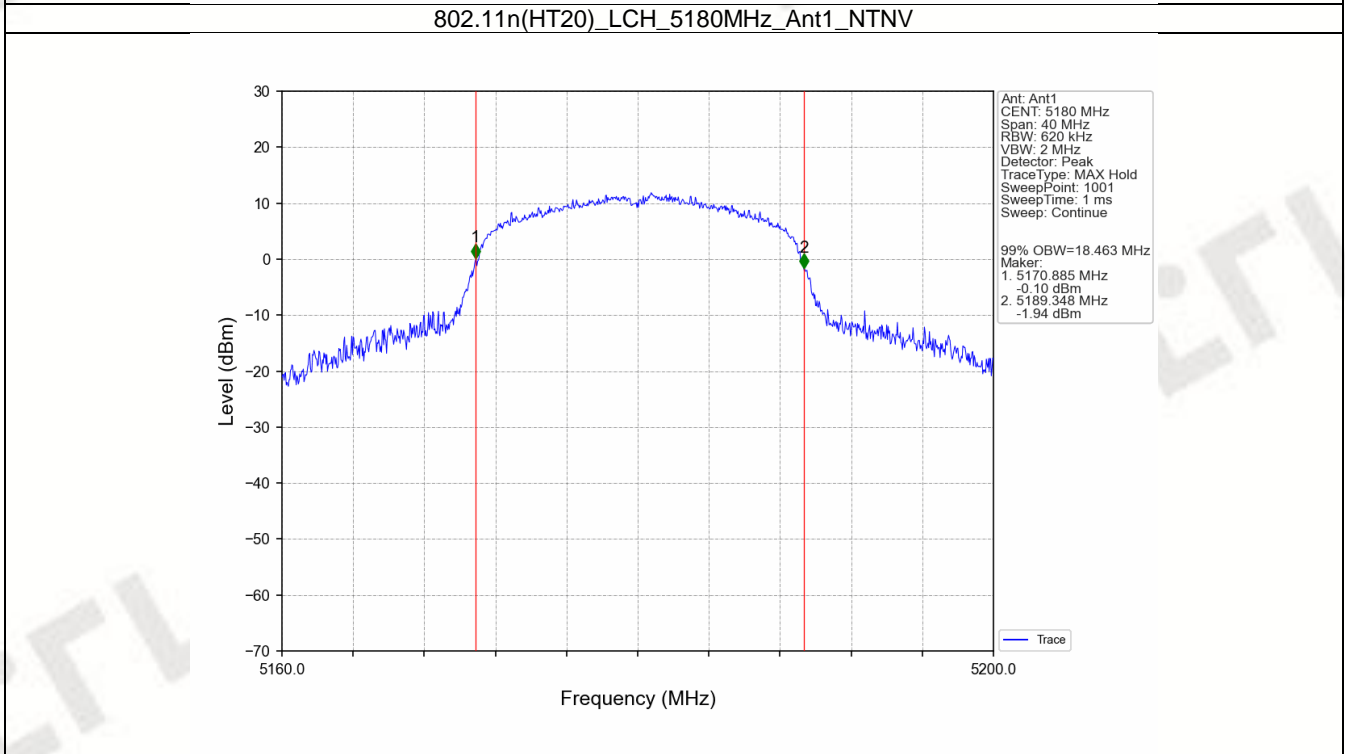
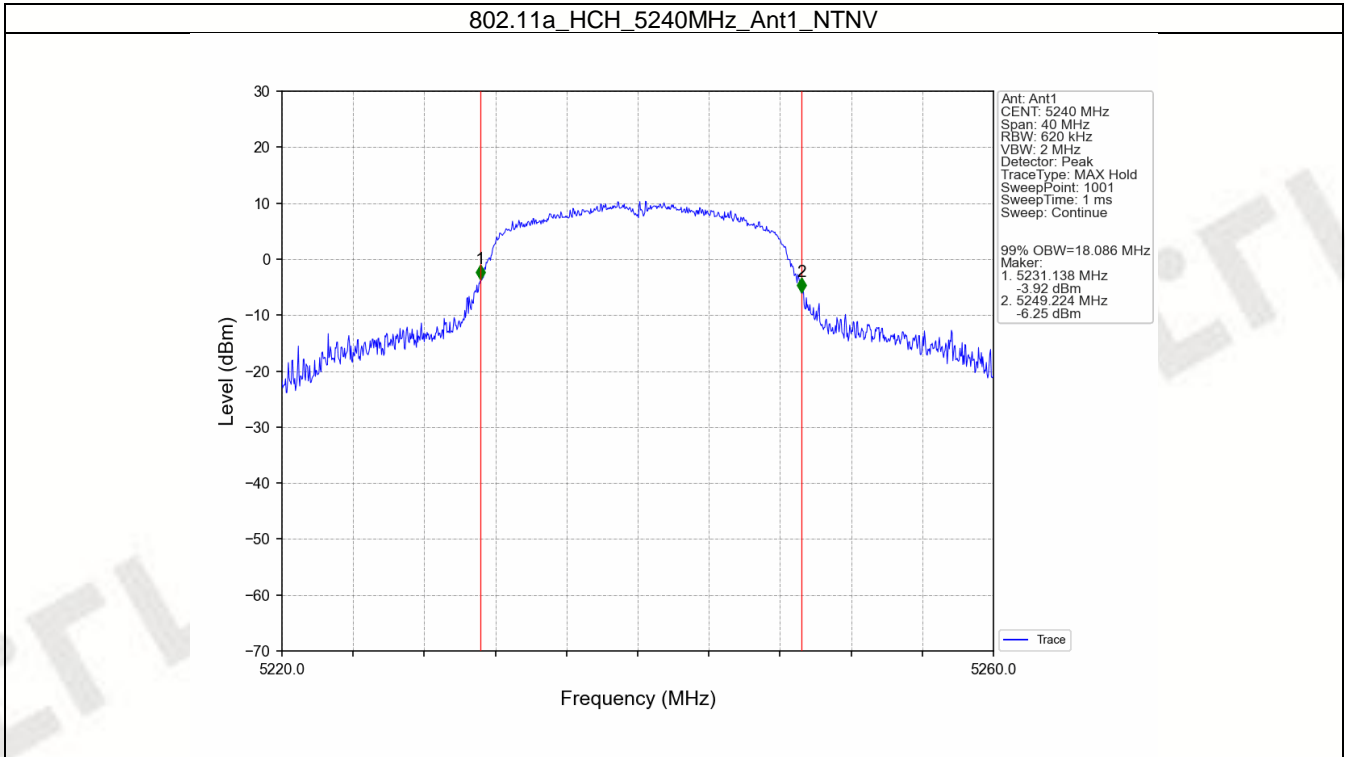
FCCID: 2BKN6-RXHE30W

1.2 Test Graph

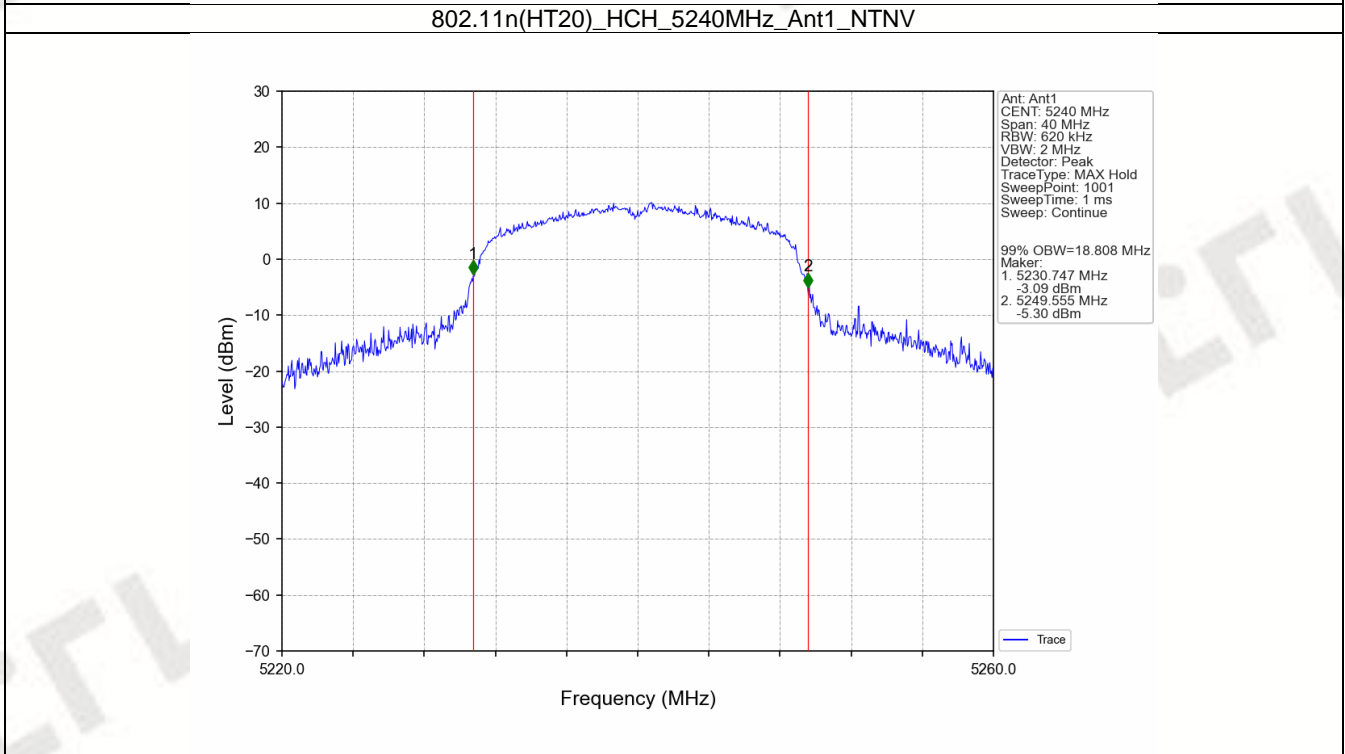
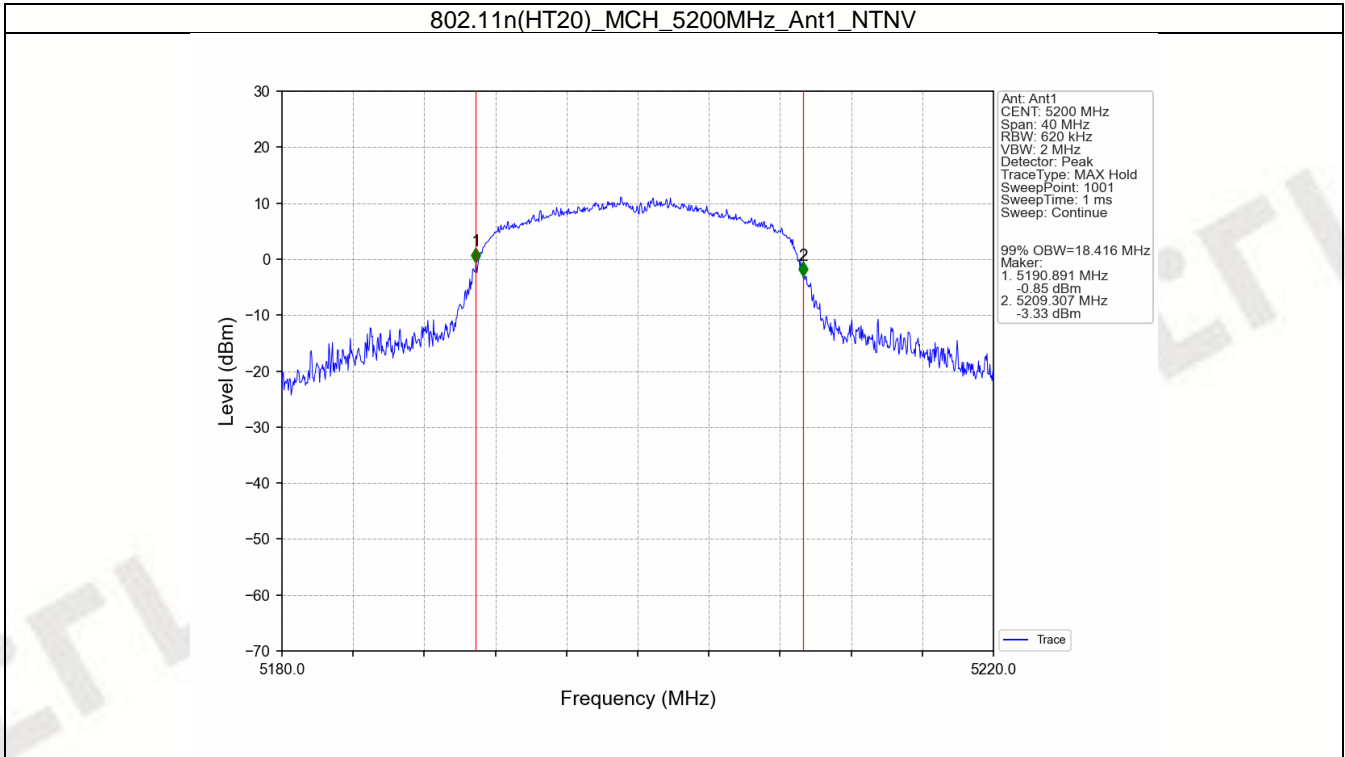
1.2.1 OBW



FCCID: 2BKN6-RXHE30W

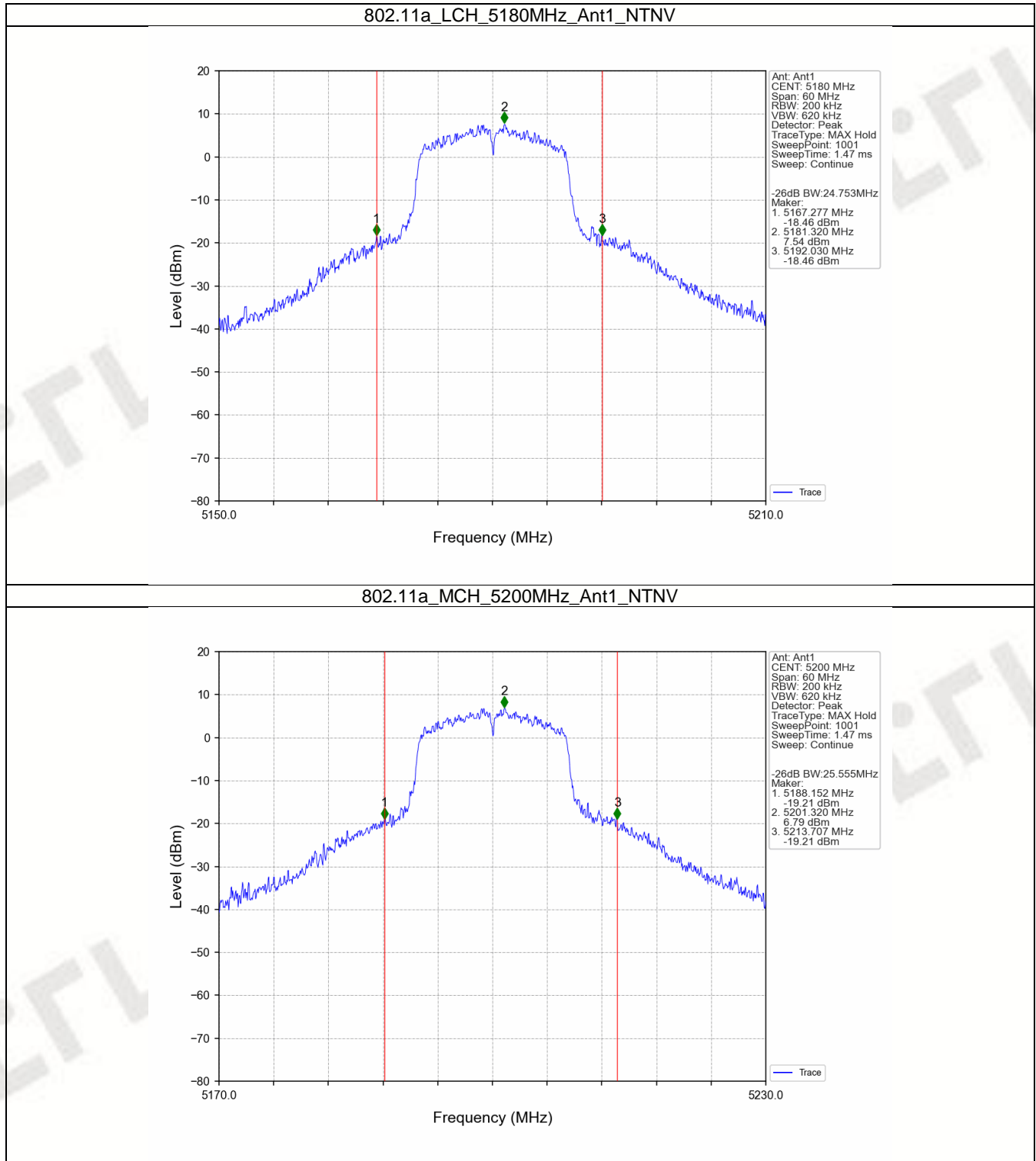


FCCID: 2BKN6-RXHE30W

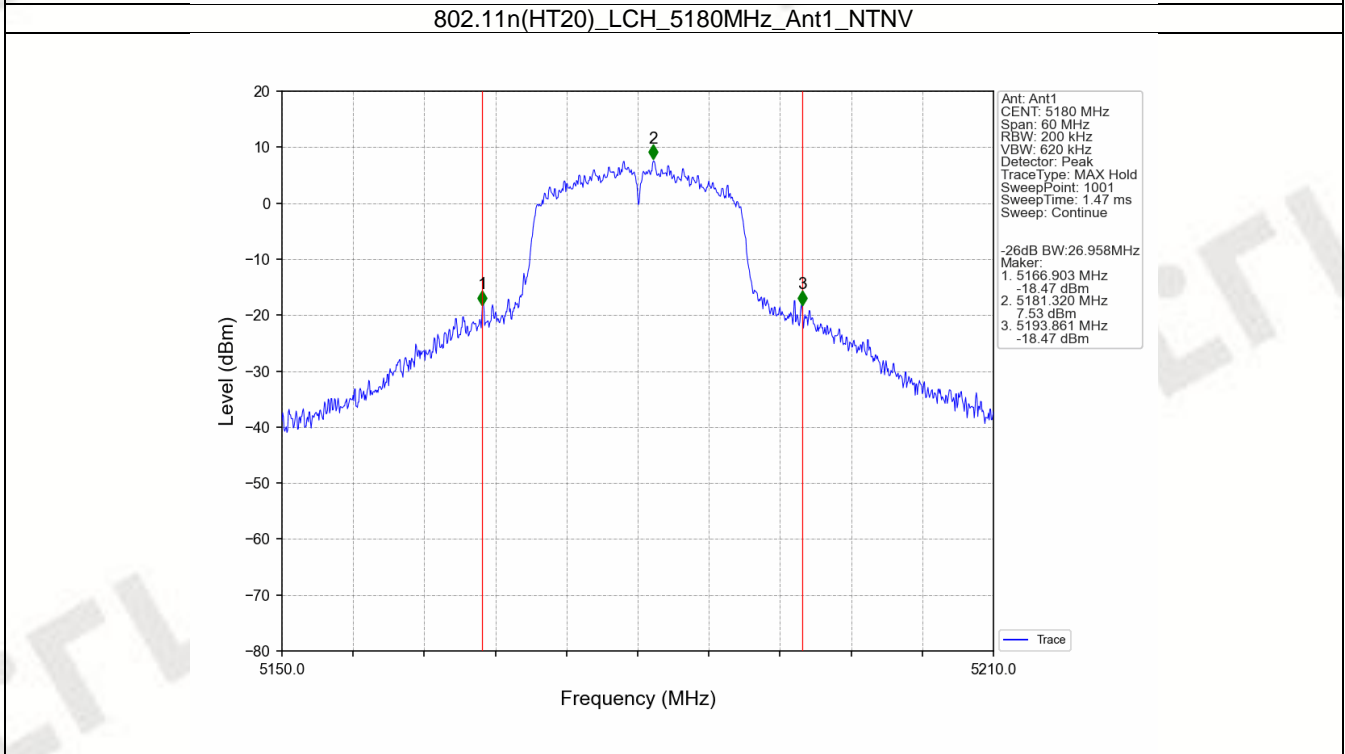
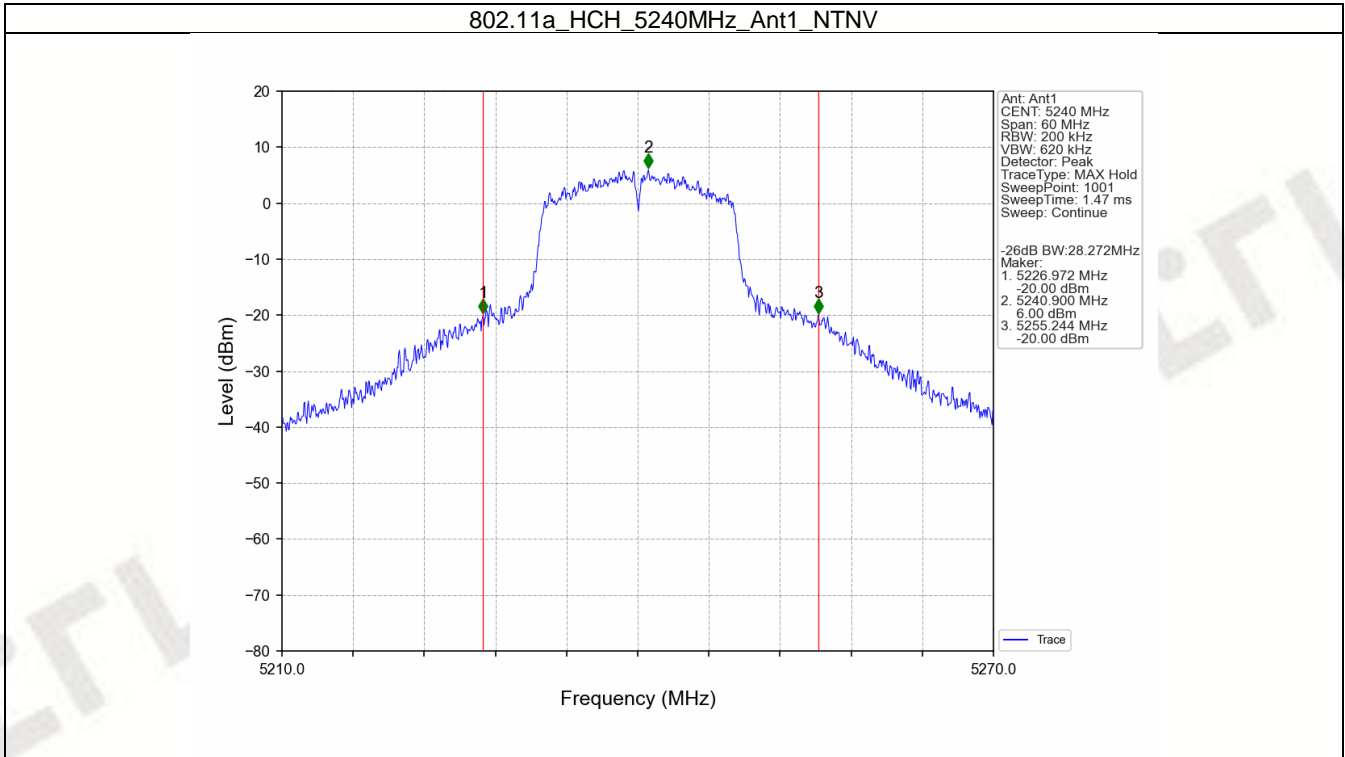


FCCID: 2BKN6-RXHE30W

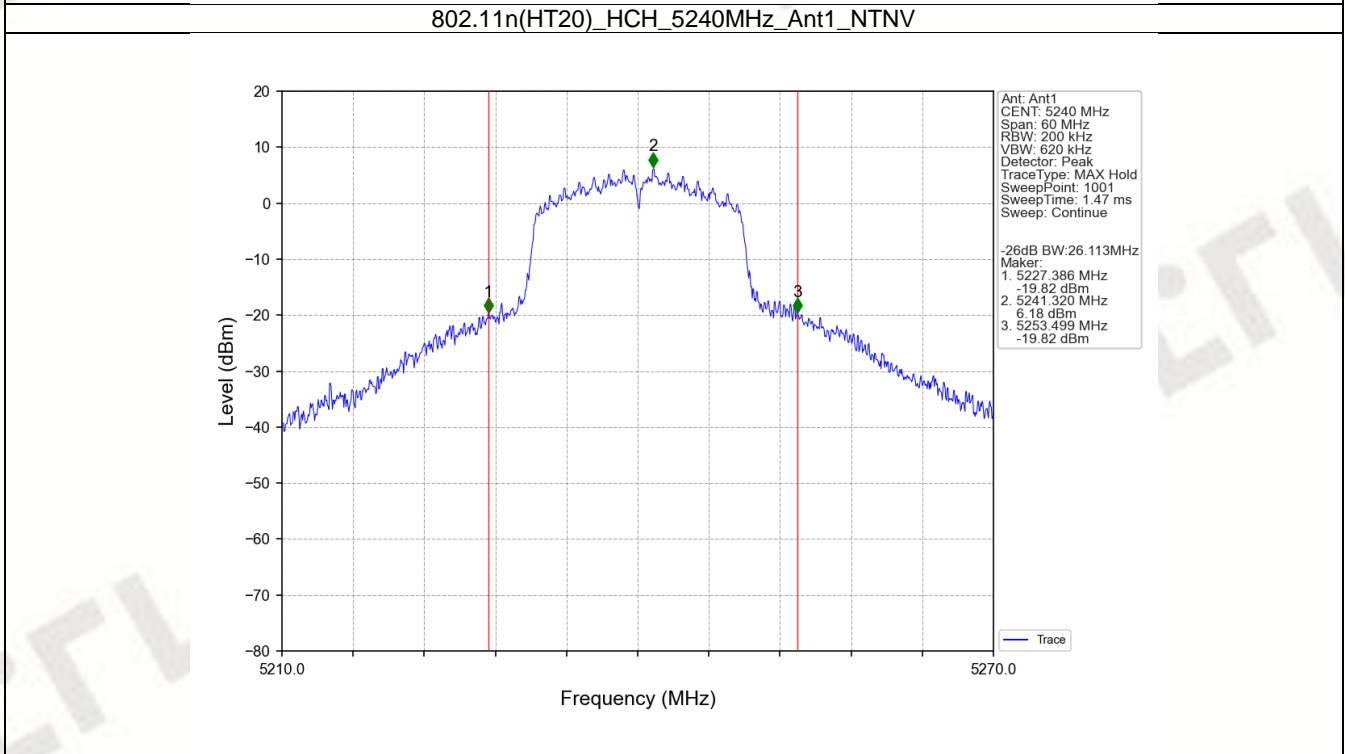
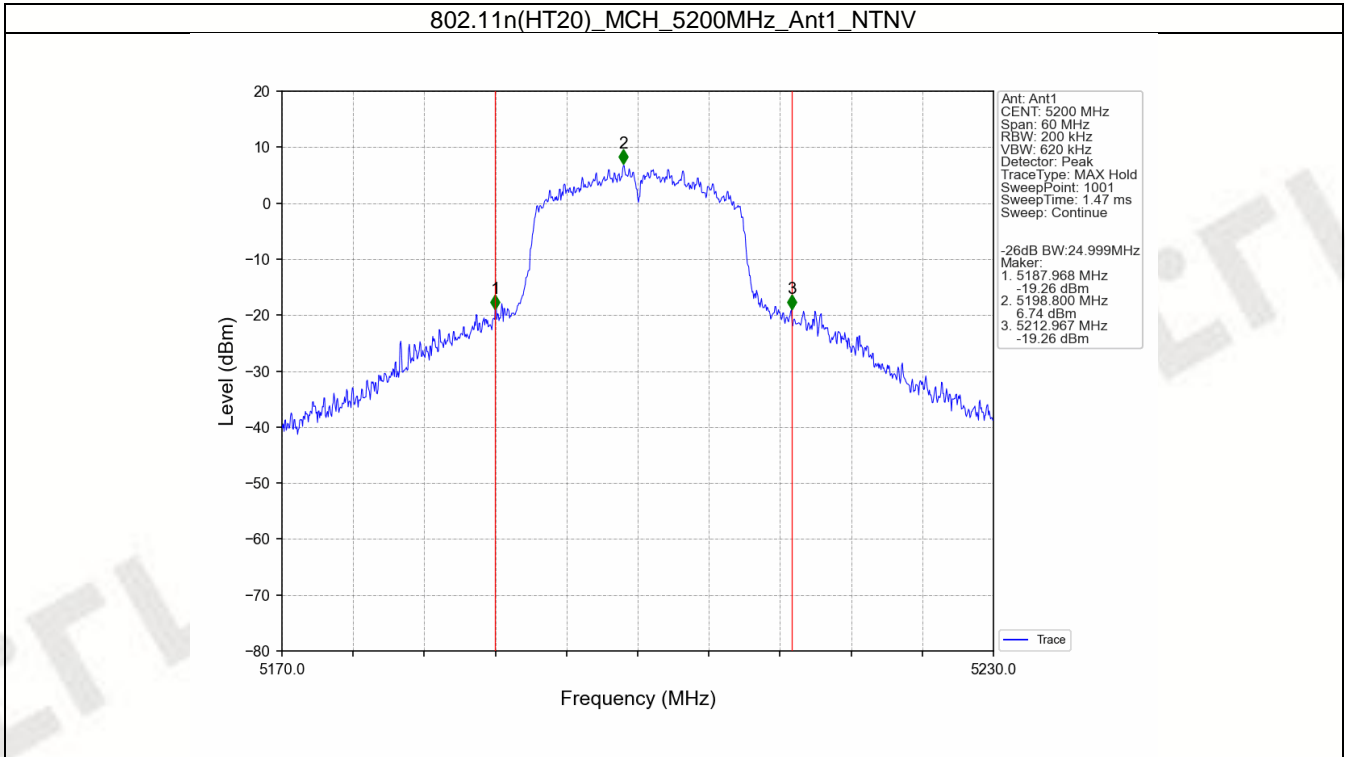
1.2.2 26dB BW



FCCID: 2BKN6-RXHE30W



FCCID: 2BKN6-RXHE30W



FCCID: 2BKN6-RXHE30W

2. Maximum Conducted Output Power

2.1 Test Result

2.1.1 Power

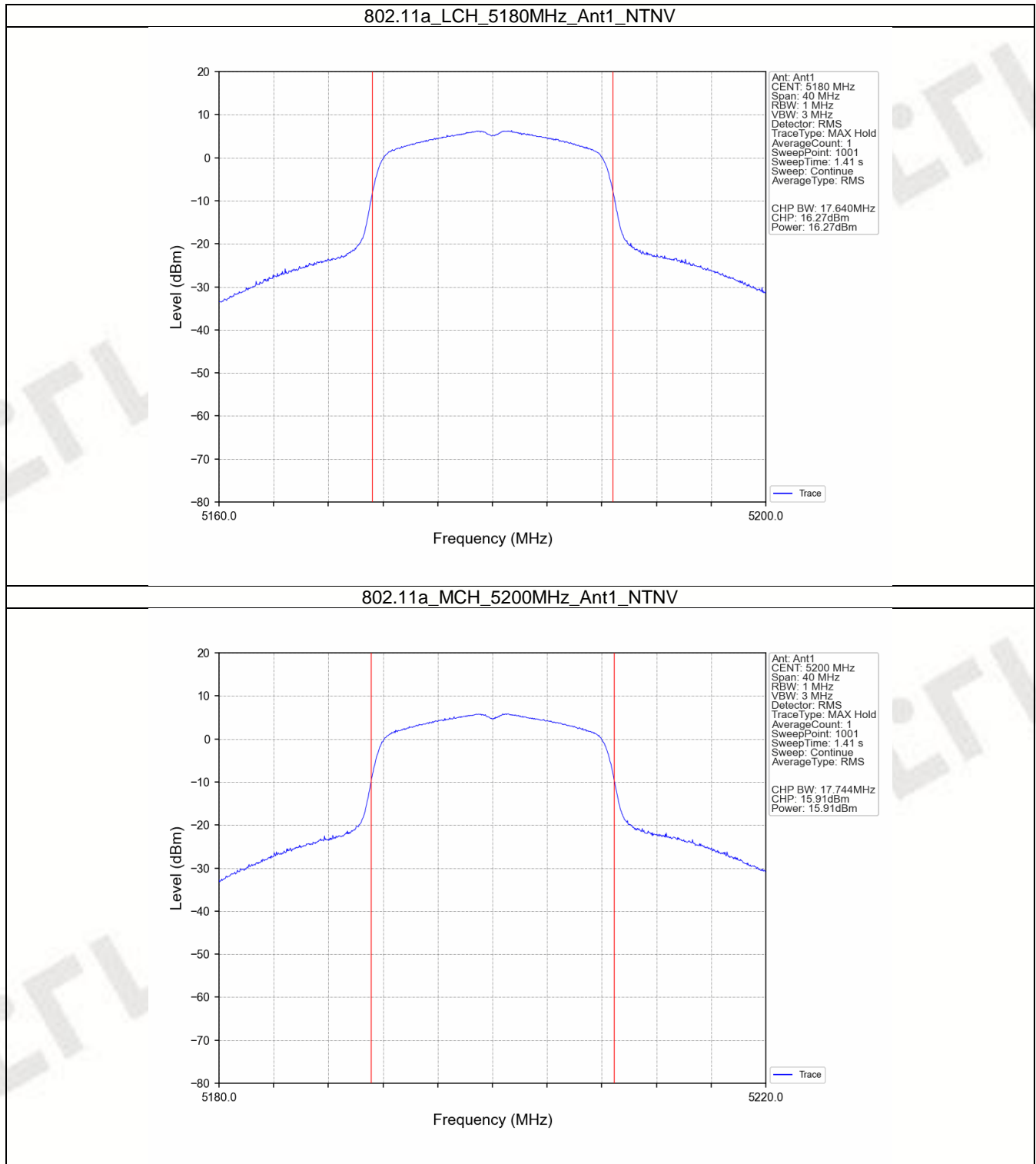
Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
802.11a	SISO	5180	16.27	<=23.98	Pass
		5200	15.91	<=23.98	Pass
		5240	15.16	<=23.98	Pass
802.11n (HT20)	SISO	5180	16.10	<=23.98	Pass
		5200	15.72	<=23.98	Pass
		5240	14.98	<=23.98	Pass

Note1: Antenna Gain: Ant1: 2.00dBi;

FCCID: 2BKN6-RXHE30W

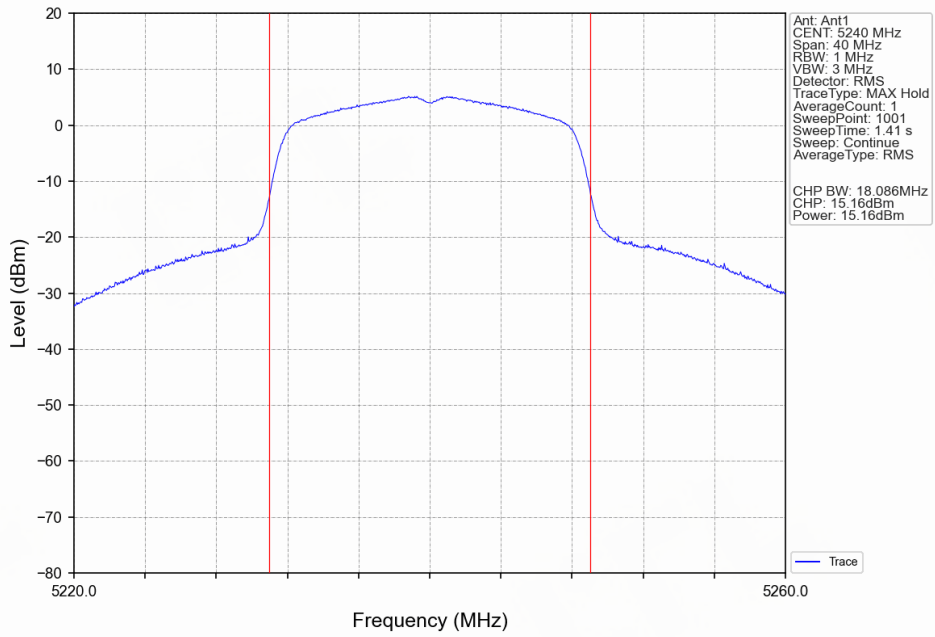
2.2 Test Graph

2.2.1 Power

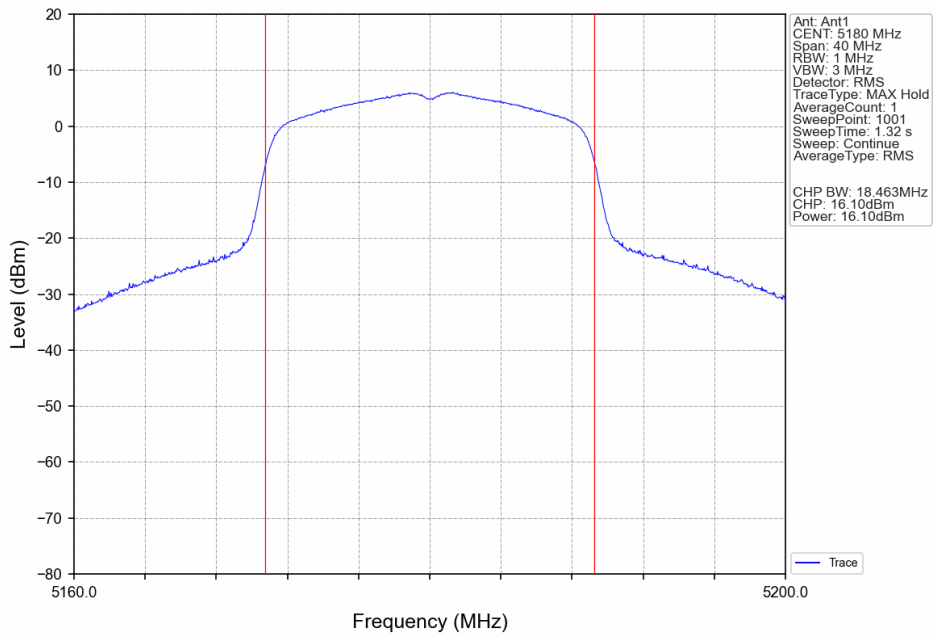


FCCID: 2BKN6-RXHE30W

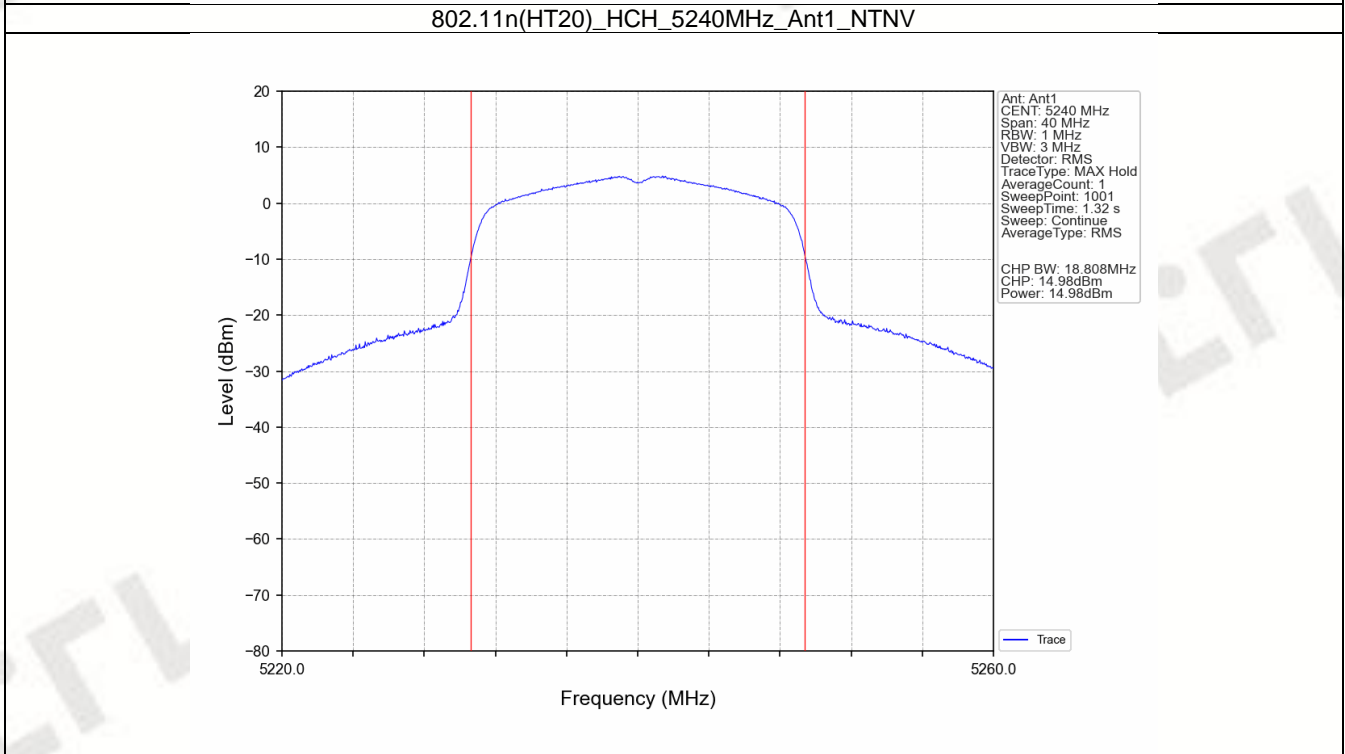
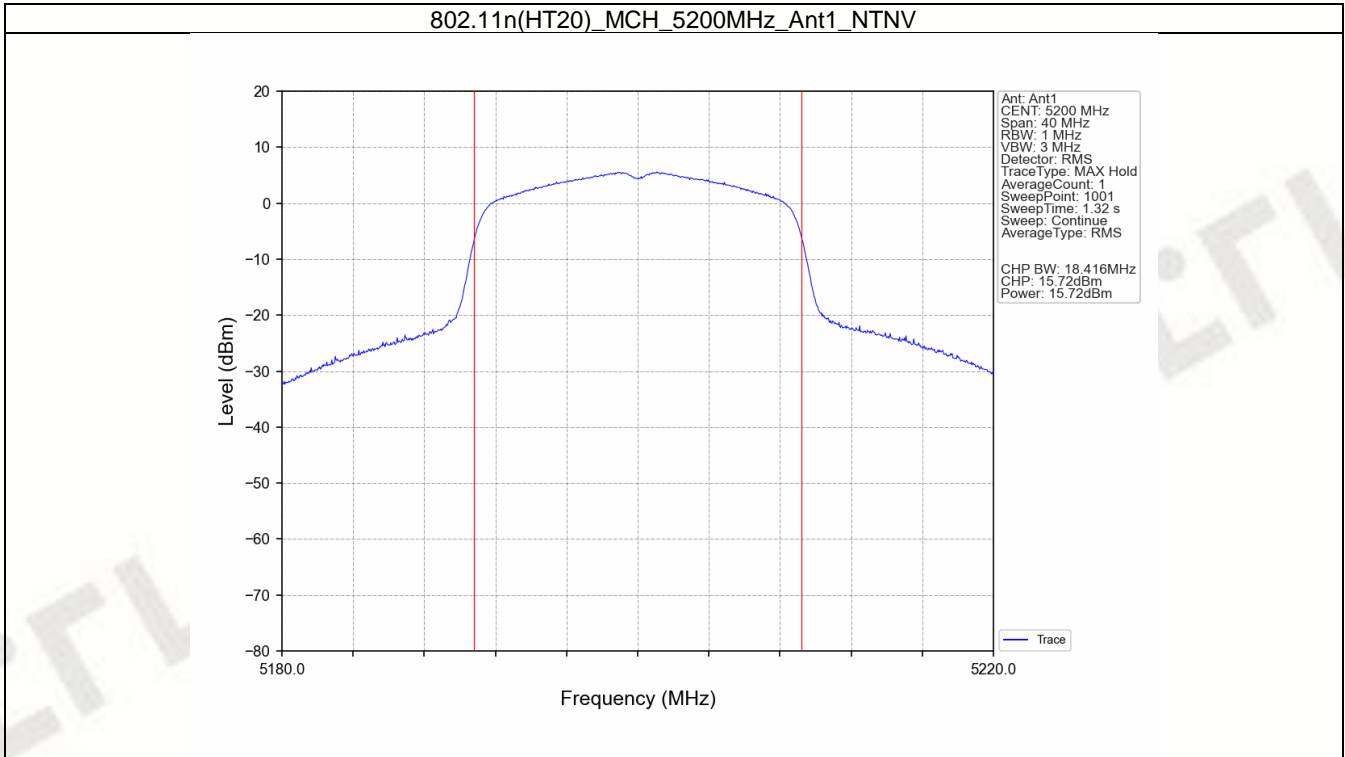
802.11a_HCH_5240MHz_Ant1_NTNV



802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



FCCID: 2BKN6-RXHE30W



FCCID: 2BKN6-RXHE30W

3. Maximum Power Spectral Density

3.1 Test Result

3.1.1 PSD

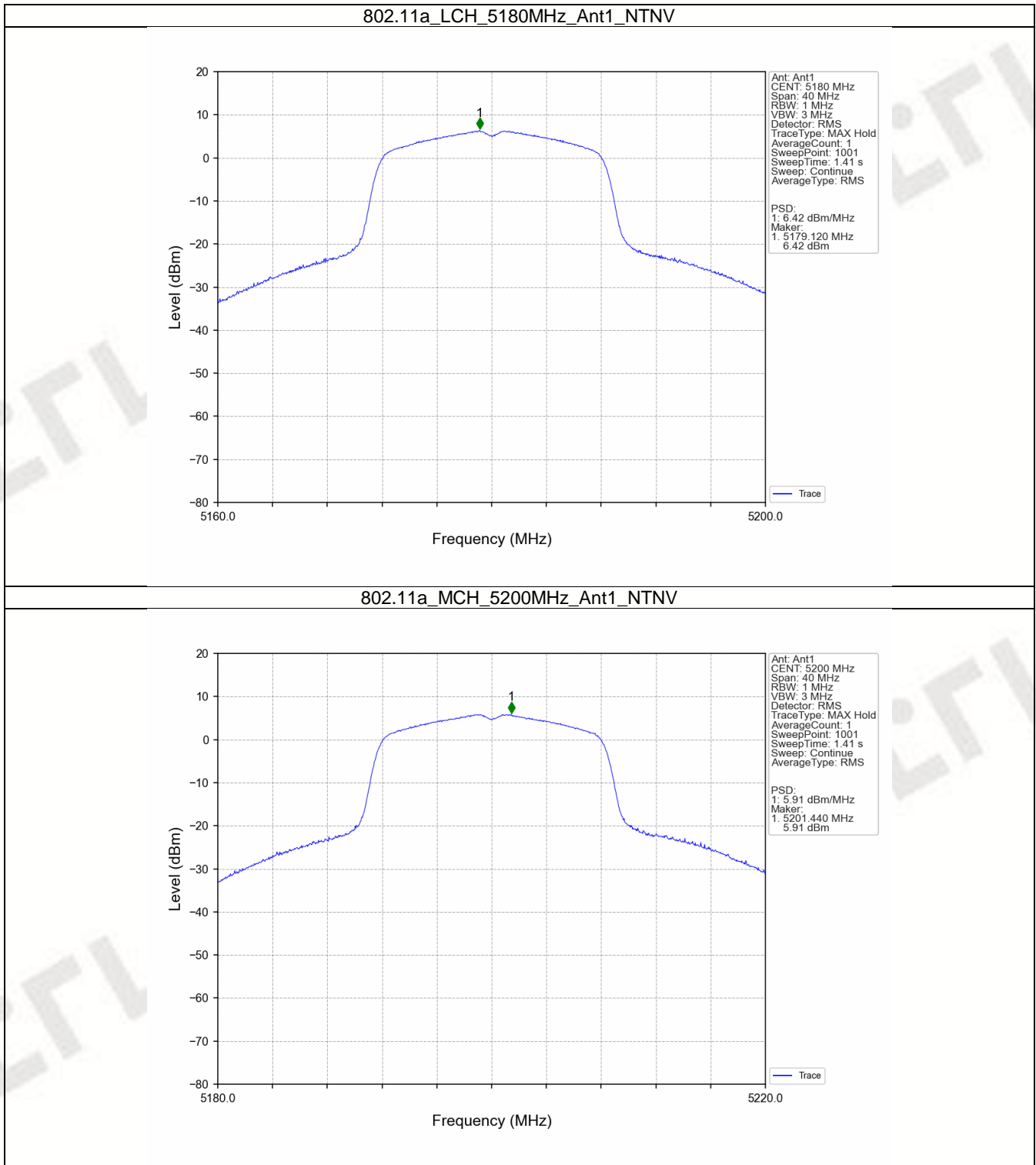
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/MHz)		Verdict
			ANT1	Limit	
802.11a	SISO	5180	6.42	<=11	Pass
		5200	5.91	<=11	Pass
		5240	5.24	<=11	Pass
802.11n (HT20)	SISO	5180	6.16	<=11	Pass
		5200	5.65	<=11	Pass
		5240	4.82	<=11	Pass

Note1: Antenna Gain: Ant1: 2.00dBi;

FCCID: 2BKN6-RXHE30W

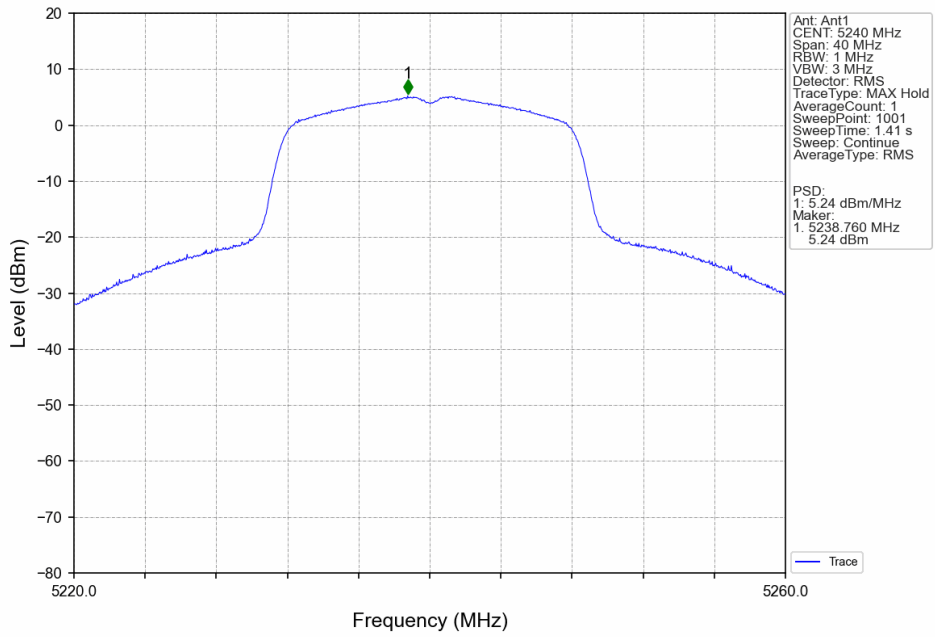
3.2 Test Graph

3.2.1 PSD

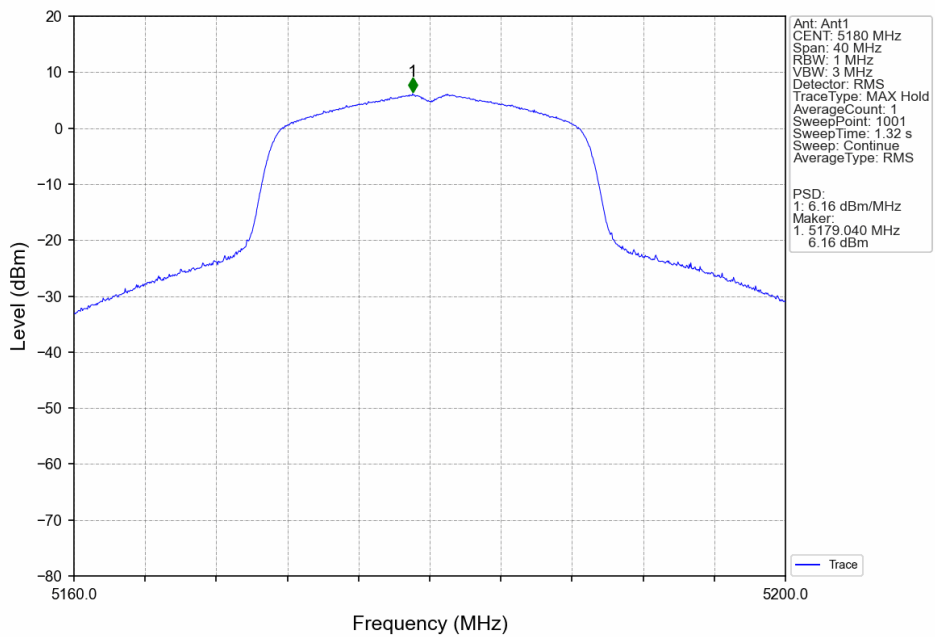


FCCID: 2BKN6-RXHE30W

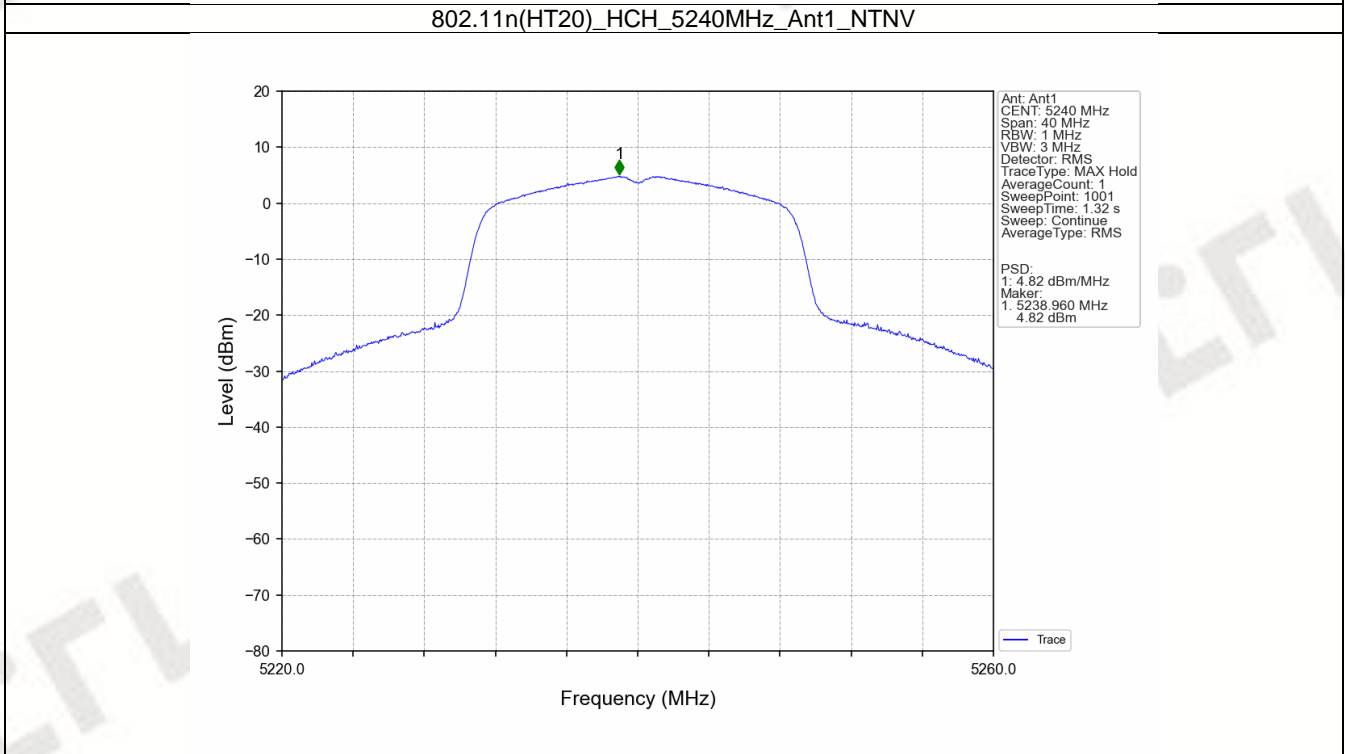
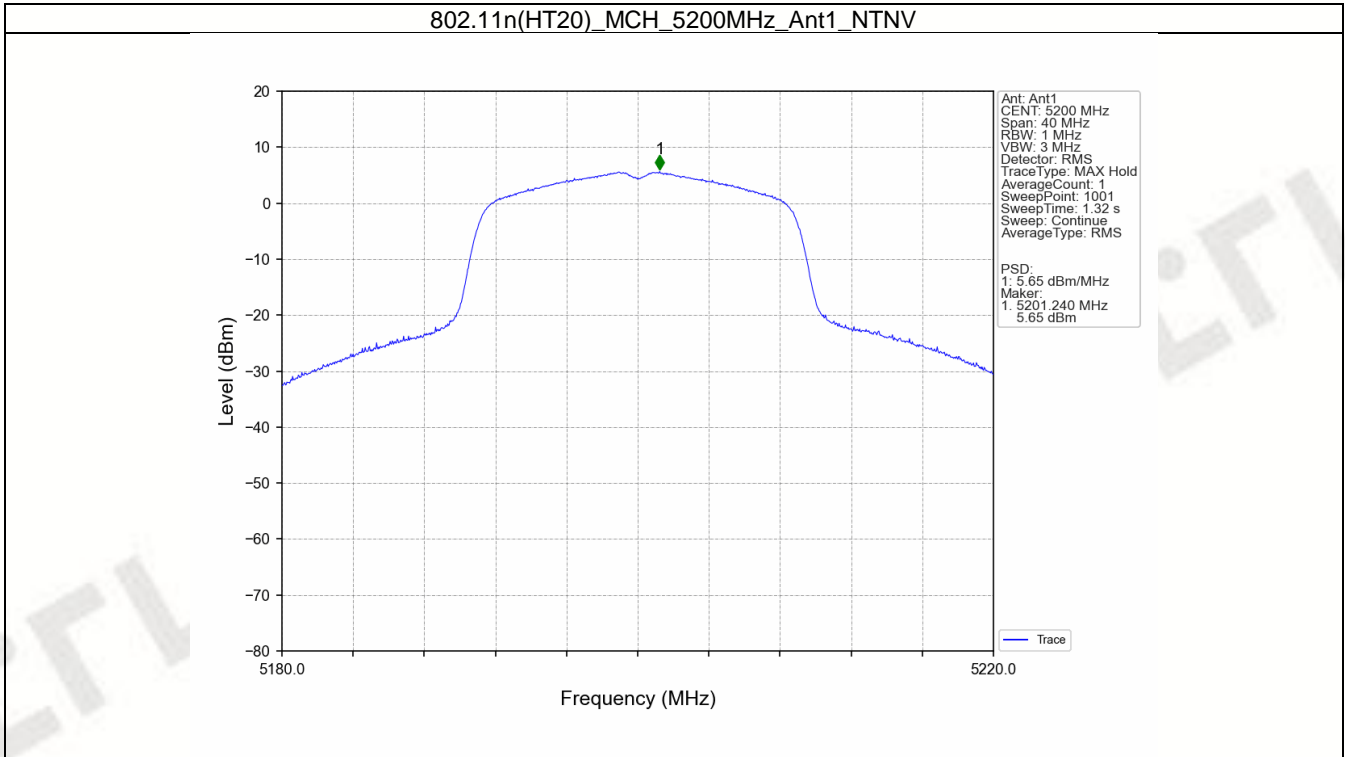
802.11a_HCH_5240MHz_Ant1_NTNV



802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



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	5180	20	102	5180.029	5150 to 5250	Pass	
				120	5180.029	5150 to 5250	Pass	
				138	5180.029	5150 to 5250	Pass	
			-30	120	5180.029	5150 to 5250	Pass	
				-20	120	5180.029	5150 to 5250	Pass
					-10	120	5180.029	5150 to 5250
			0	120	5180.029	5150 to 5250	Pass	
				10	120	5180.029	5150 to 5250	Pass
				30	120	5180.029	5150 to 5250	Pass
				40	120	5180.029	5150 to 5250	Pass
		50		120	5180.029	5150 to 5250	Pass	
		5200		20	102	5200.030	5150 to 5250	Pass
					120	5200.029	5150 to 5250	Pass
			138		5200.029	5150 to 5250	Pass	
			-30	120	5200.029	5150 to 5250	Pass	
				-20	120	5200.029	5150 to 5250	Pass
					-10	120	5200.029	5150 to 5250
			0	120	5200.029	5150 to 5250	Pass	
				10	120	5200.029	5150 to 5250	Pass
				30	120	5200.029	5150 to 5250	Pass
				40	120	5200.029	5150 to 5250	Pass
		50		120	5200.029	5150 to 5250	Pass	
		5240		20	102	5240.030	5150 to 5250	Pass
					120	5240.029	5150 to 5250	Pass
			138		5240.029	5150 to 5250	Pass	
			-30	120	5240.029	5150 to 5250	Pass	
				-20	120	5240.029	5150 to 5250	Pass
					-10	120	5240.029	5150 to 5250
			0	120	5240.029	5150 to 5250	Pass	
				10	120	5240.029	5150 to 5250	Pass
30	120			5240.029	5150 to 5250	Pass		
40	120			5240.029	5150 to 5250	Pass		
50	120	5240.029		5150 to 5250	Pass			

5. Form731

5.1 Test Result

5.1.1 Form731

Lower Freq (MHz)	High Freq (MHz)	MAX Power (W)	MAX Power (dBm)
5180	5240	0.0424	16.27