



Shenzhen CTL Testing Technology Co., Ltd.

Fl.A1, Bldg.A3, No.2533 GuanGuang Road, Fenghuang Community

Fenghuang Street, Guangming District, Shenzhen, Guangdong, P.R.C
Tel: +86-755-89486194 E-mail: ctl@ctl-lab.com

Annex for 5G Wi-Fi Band 1

Test Report No.: CTL2603054071-WF02

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FCC ID: 2AUR8-EBOMINI

1. Bandwidth

1.1 Test Result

1.1.1 OBW

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	99% Occupied Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	SISO	5180	/	/	1	16.711	/	Pass
		5200	/	/	1	16.685	/	Pass
		5240	/	/	1	16.701	/	Pass
802.11n (HT20)	SISO	5180	/	/	1	17.884	/	Pass
		5200	/	/	1	17.877	/	Pass
		5240	/	/	1	17.894	/	Pass
802.11ac (VHT20)	SISO	5180	/	/	1	17.880	/	Pass
		5200	/	/	1	17.897	/	Pass
		5240	/	/	1	17.939	/	Pass
802.11ax (HEW20)	SISO	5180	SU	/	1	19.070	/	Pass
		5200	SU	/	1	19.066	/	Pass
		5240	SU	/	1	19.059	/	Pass

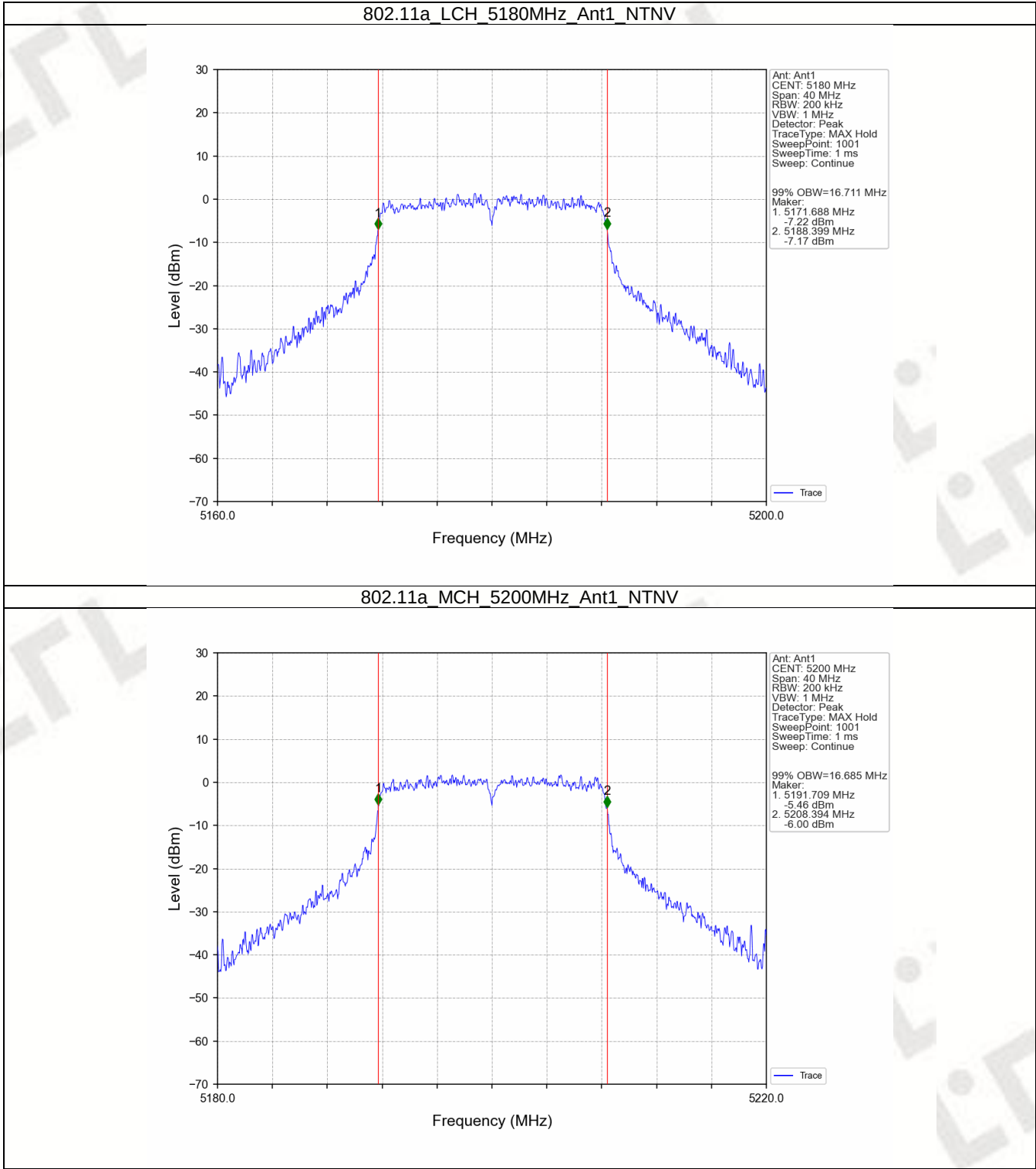
1.1.2 26dB BW

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	26dB Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	SISO	5180	/	/	1	25.292	/	Pass
		5200	/	/	1	25.602	/	Pass
		5240	/	/	1	25.986	/	Pass
802.11n (HT20)	SISO	5180	/	/	1	25.418	/	Pass
		5200	/	/	1	25.828	/	Pass
		5240	/	/	1	26.047	/	Pass
802.11ac (VHT20)	SISO	5180	/	/	1	25.233	/	Pass
		5200	/	/	1	26.155	/	Pass
		5240	/	/	1	27.154	/	Pass
802.11ax (HEW20)	SISO	5180	SU	/	1	27.069	/	Pass
		5200	SU	/	1	25.902	/	Pass
		5240	SU	/	1	27.608	/	Pass

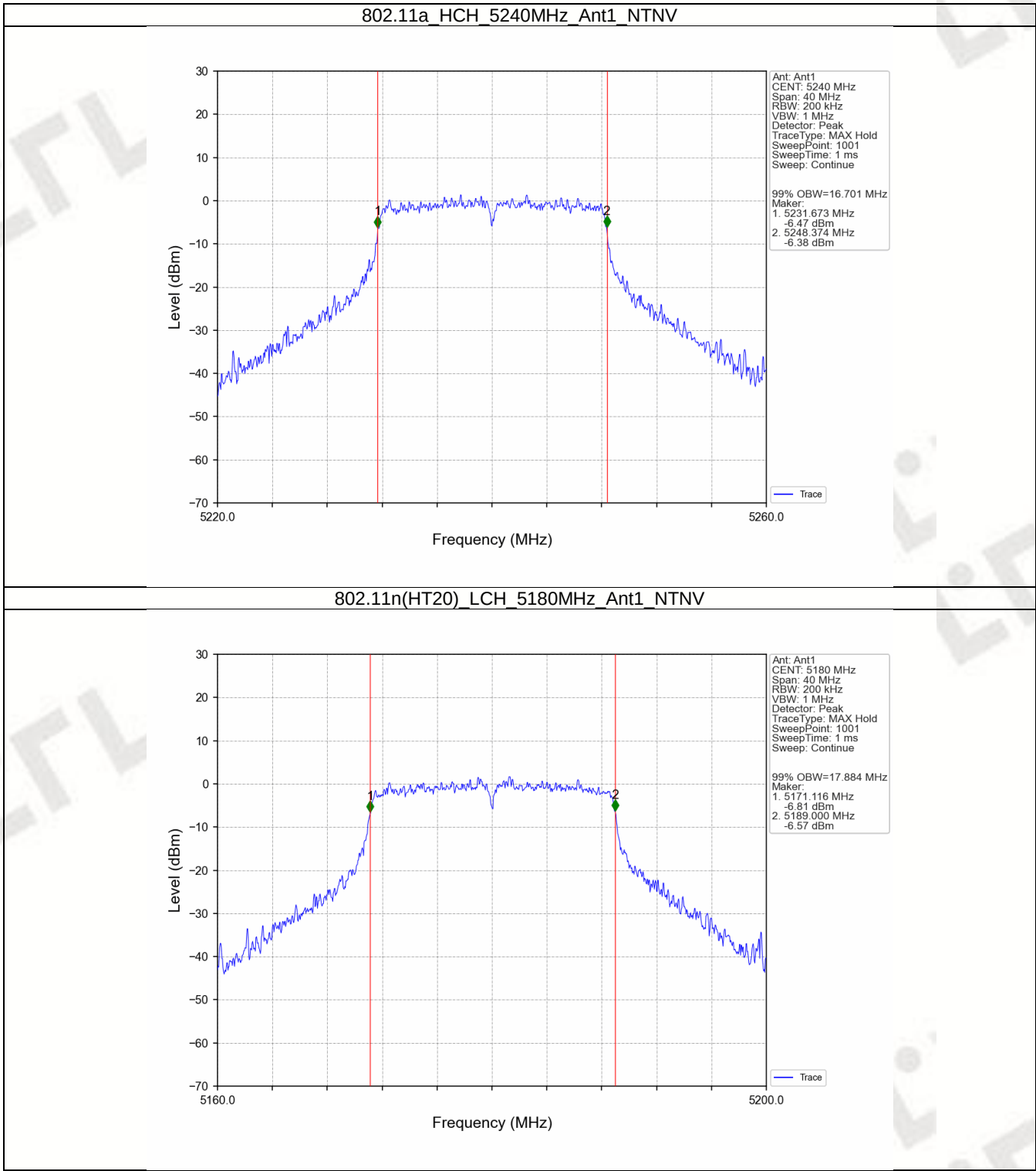
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1.2 Test Graph

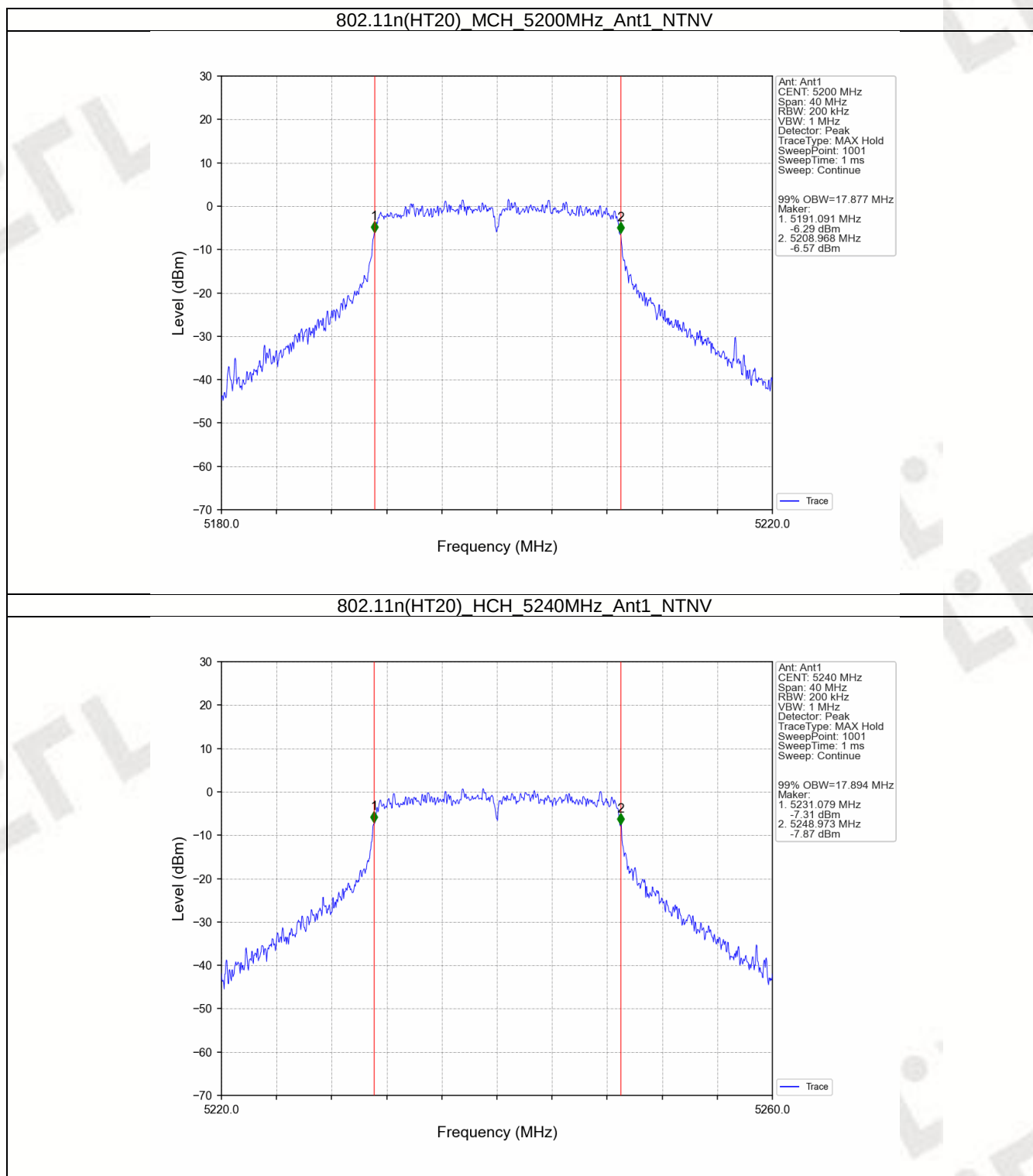
1.2.1 OBW



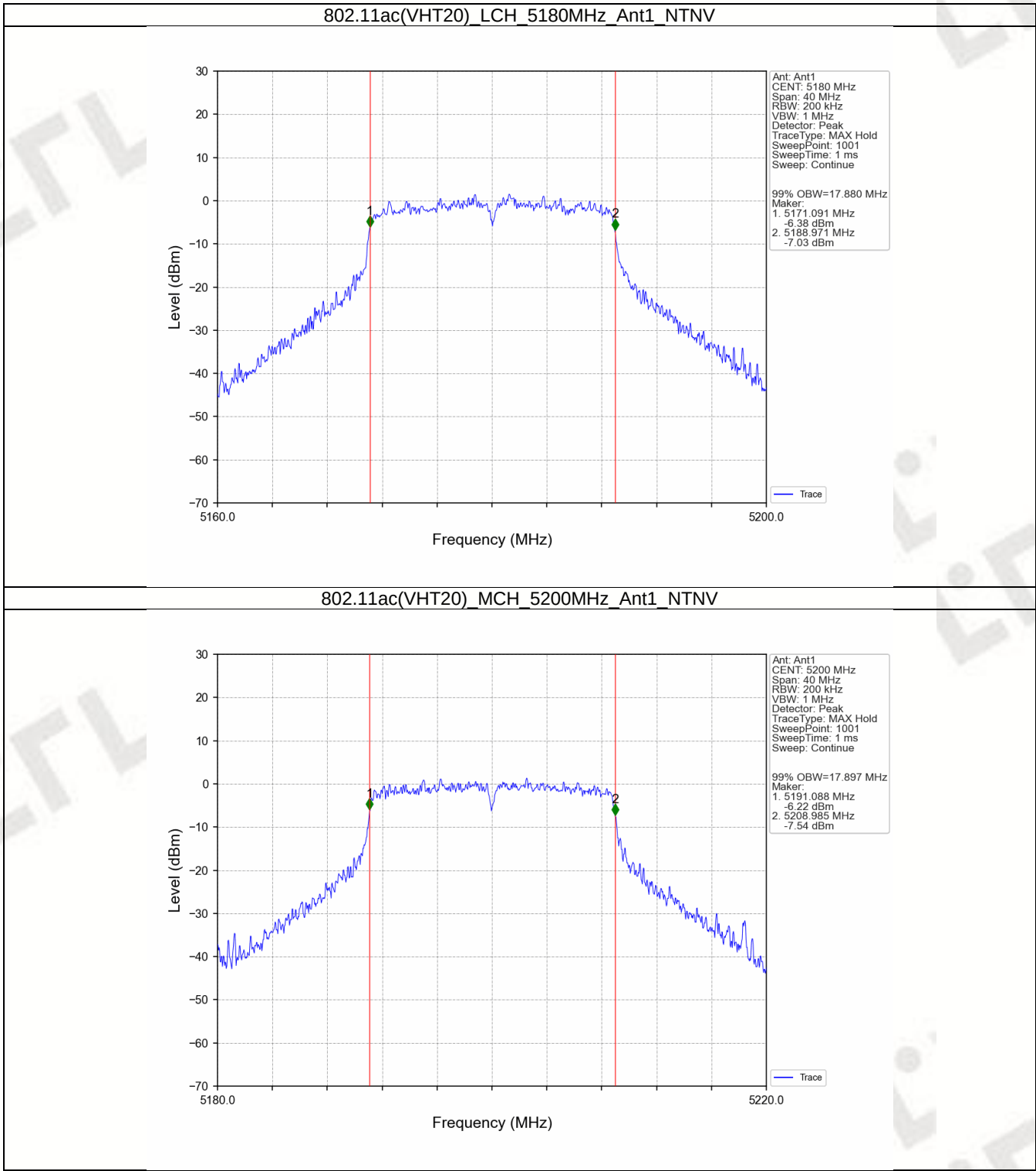
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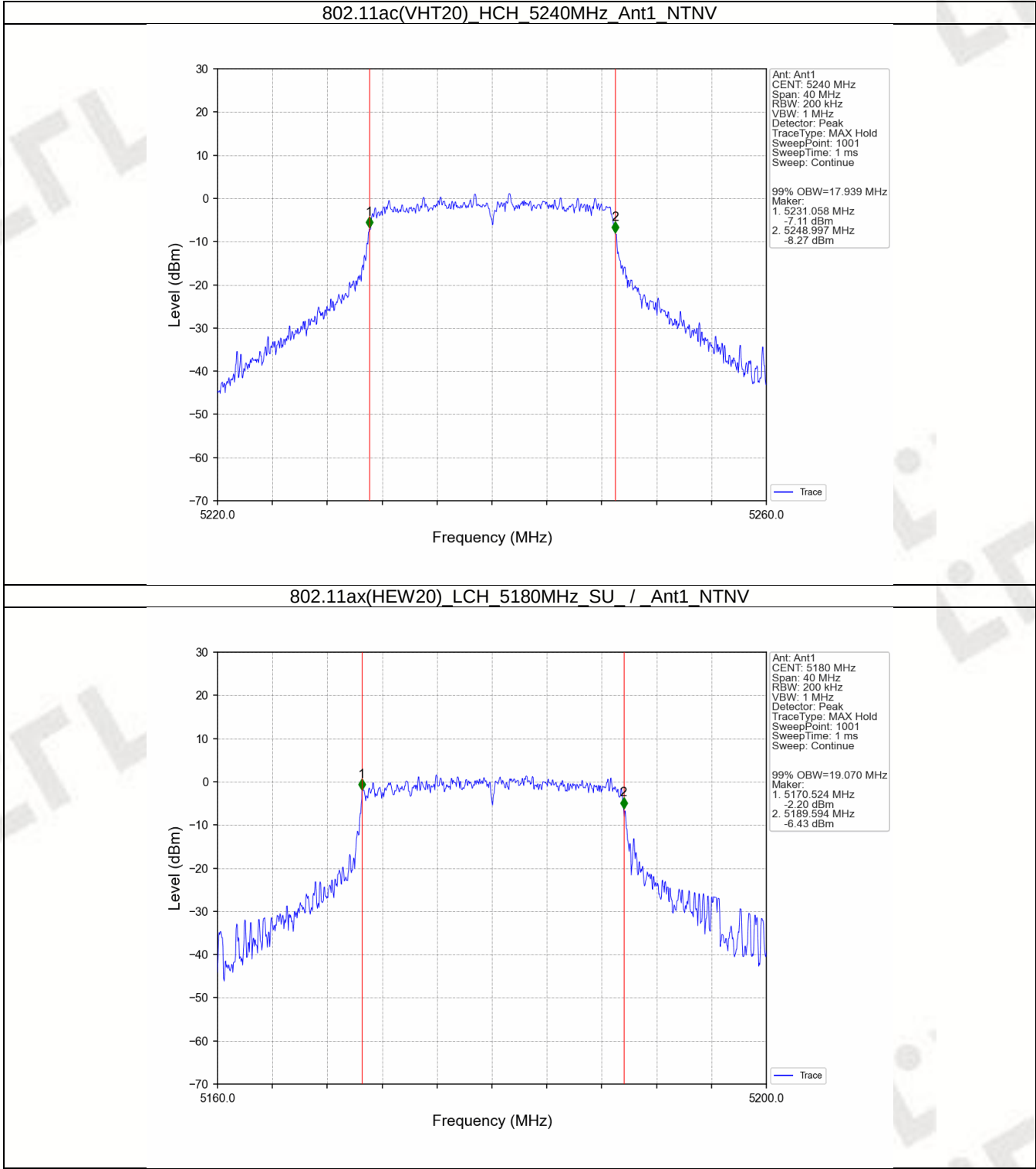
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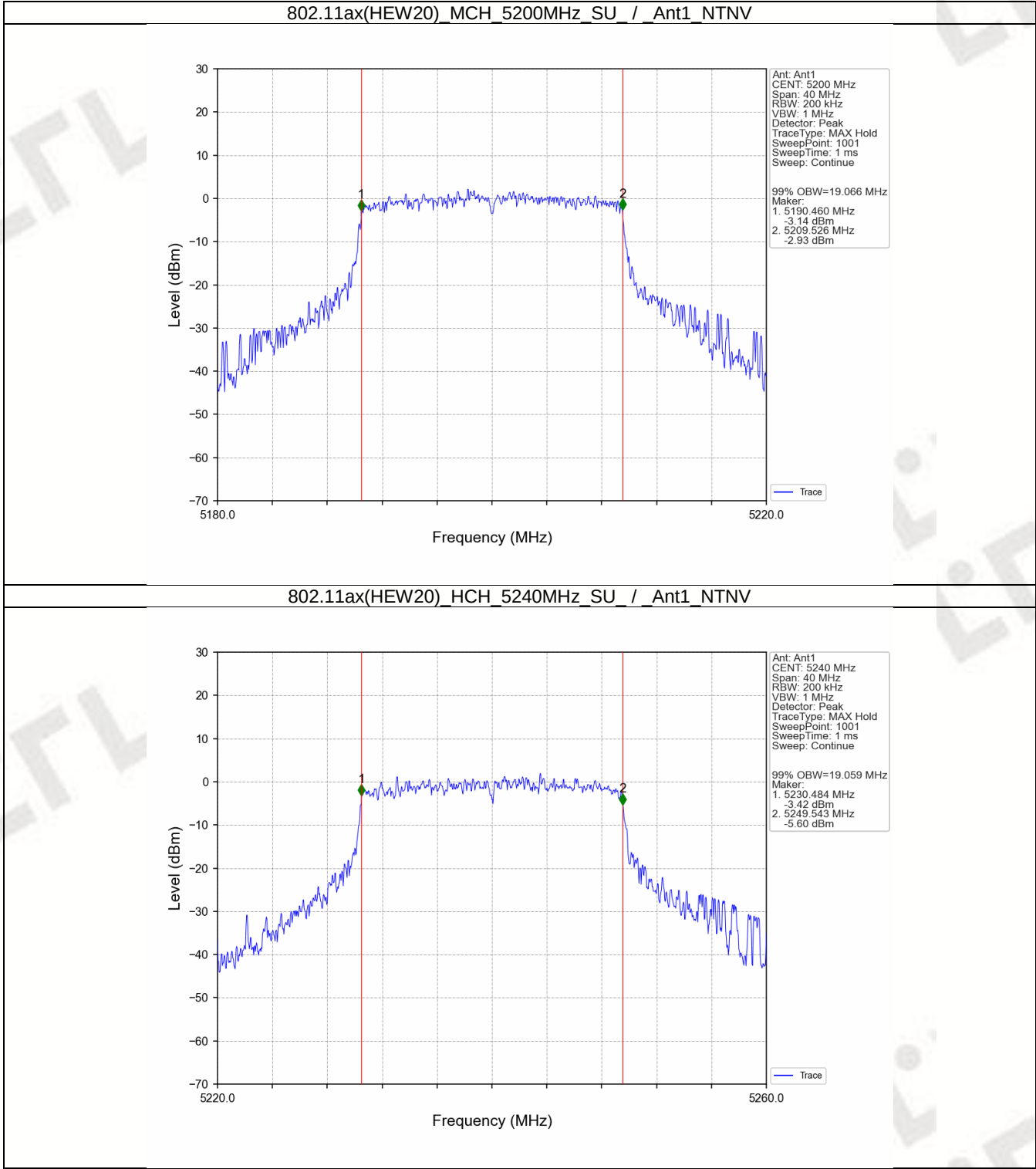
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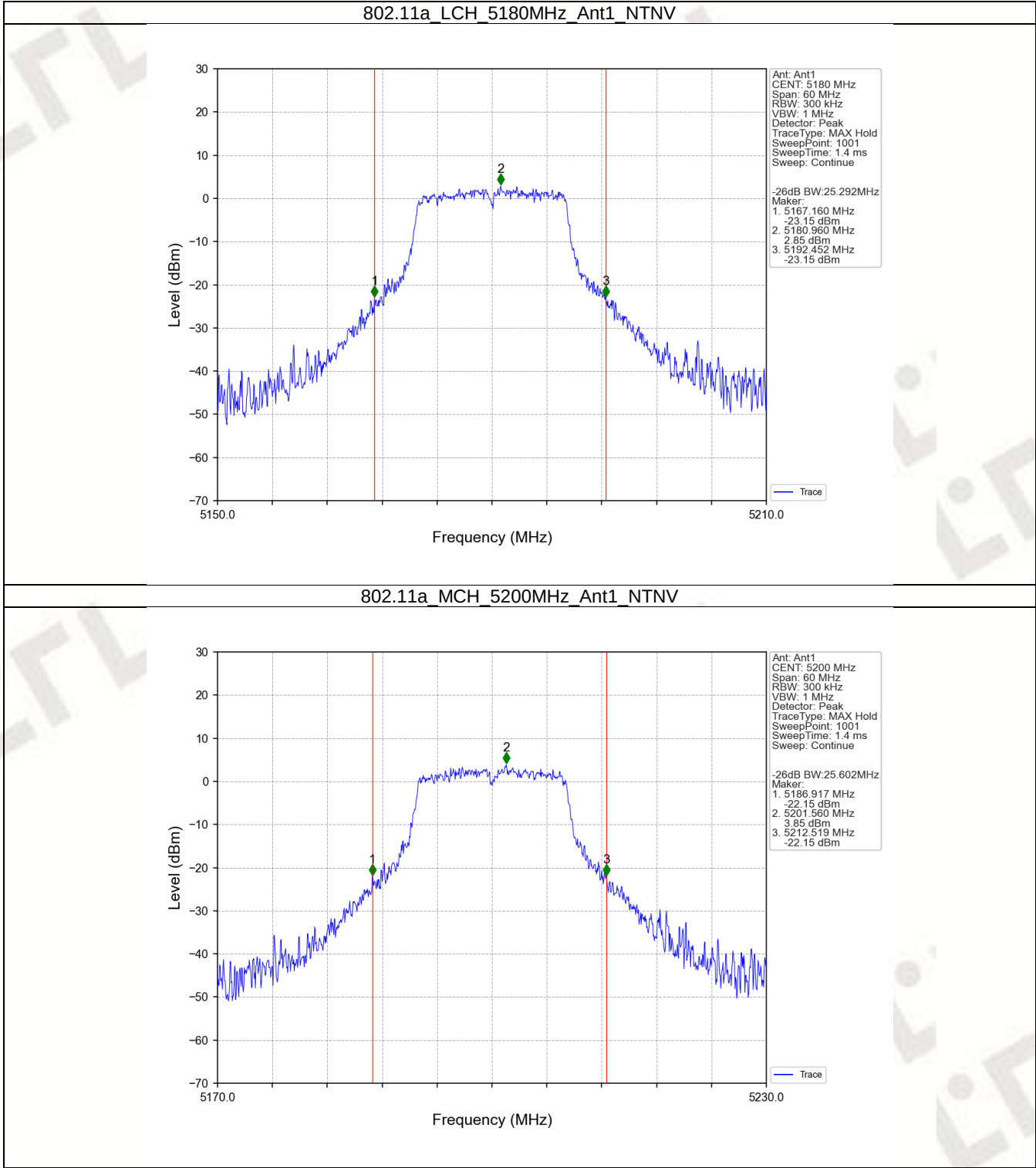


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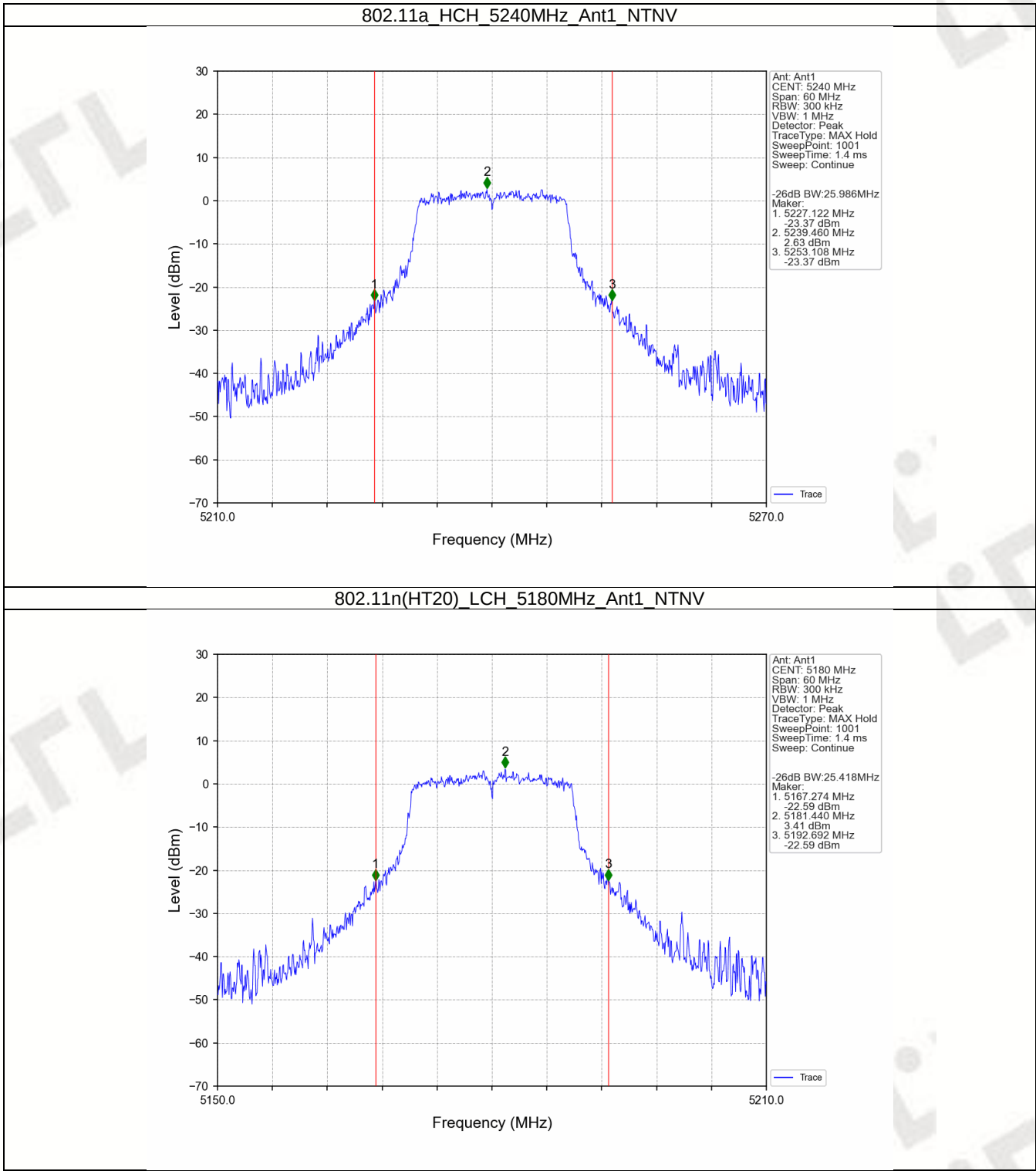


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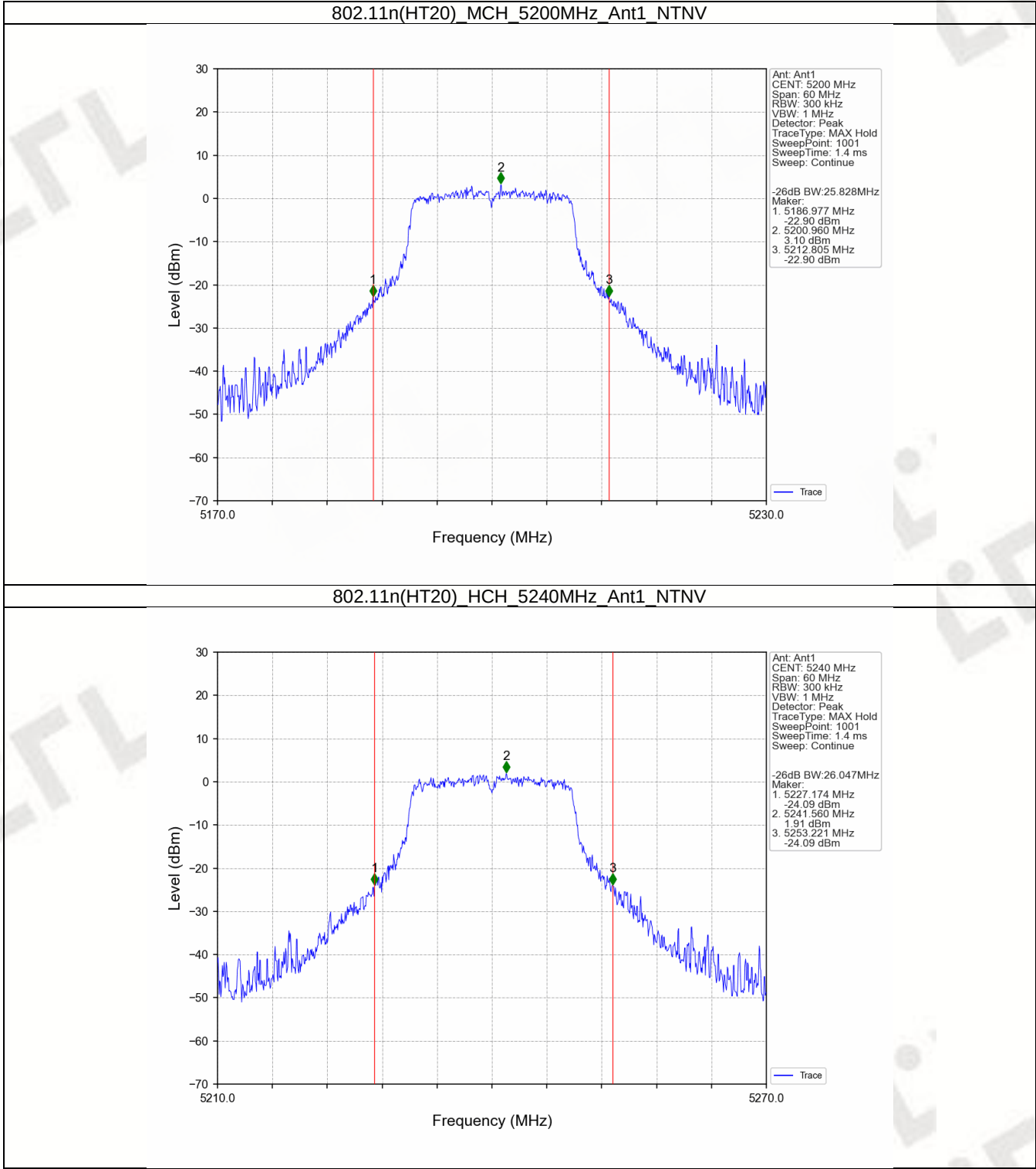
1.2.2 26dB BW



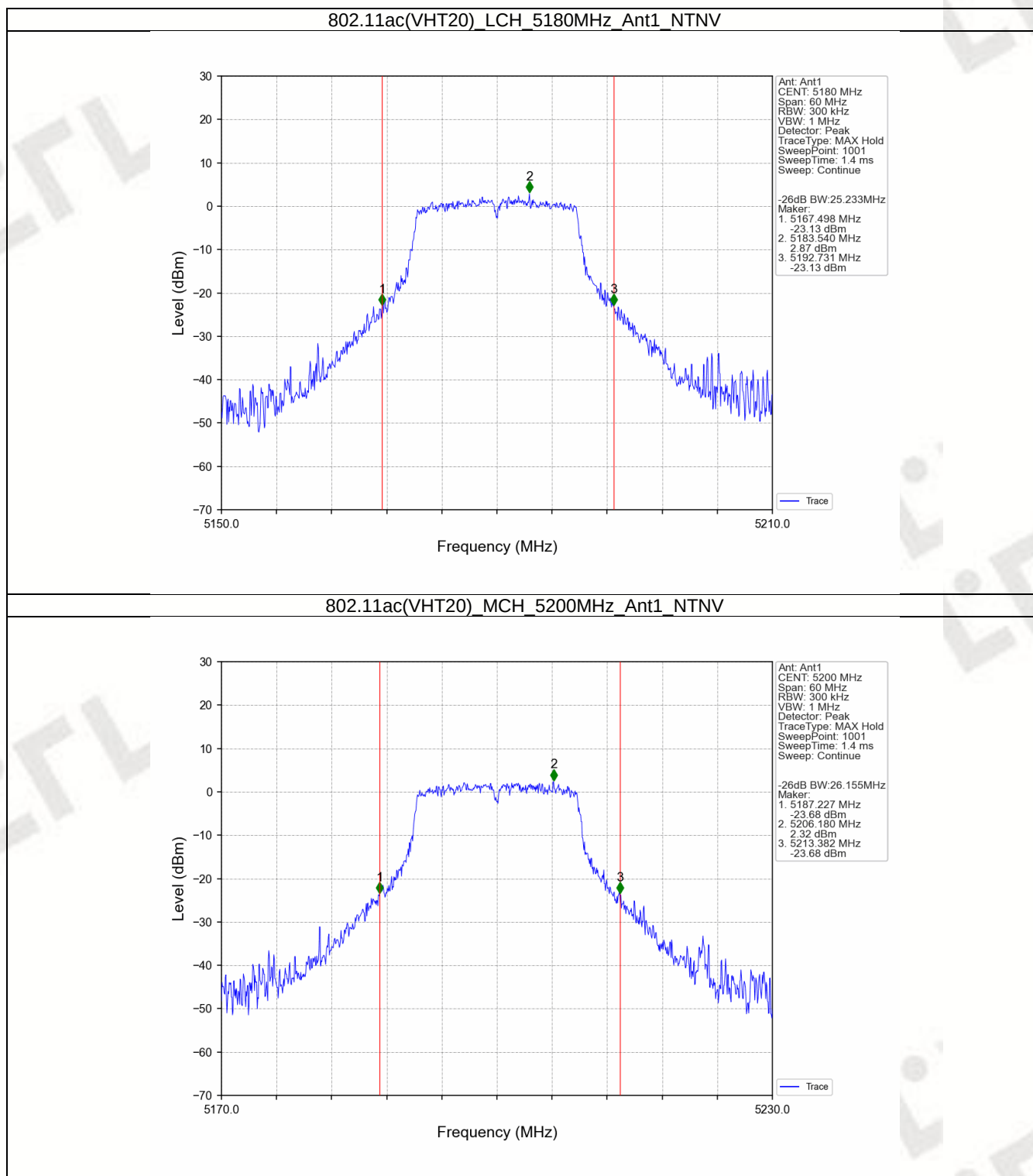
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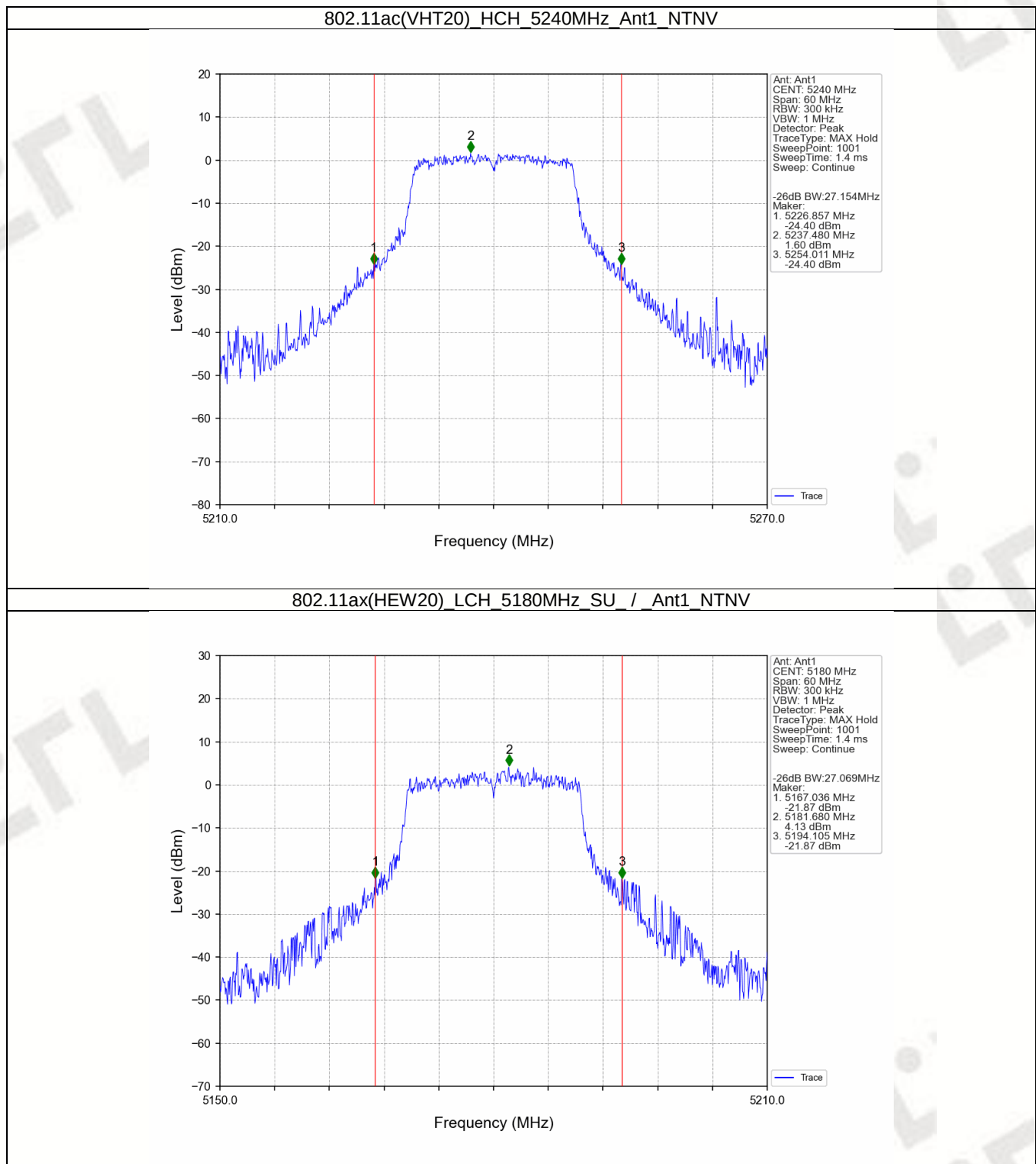
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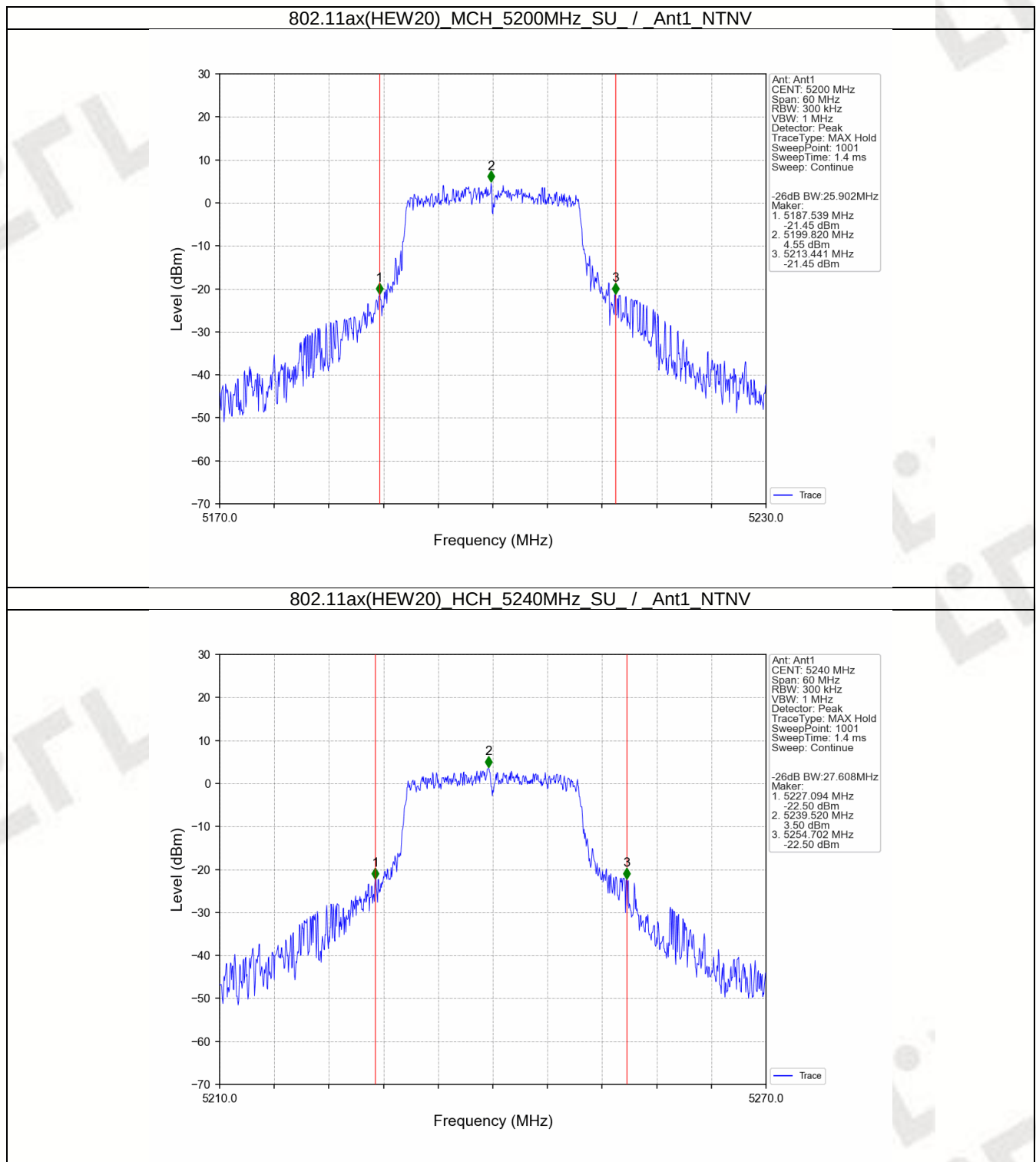
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FCC ID: 2AUR8-EBOMINI



2. Maximum Conducted Output Power

2.1 Test Result

2.1.1 Power

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum Average Conducted Output Power (dBm)		Verdict
					ANT1	Limit	
802.11a	SISO	5180	/	/	11.62	<=23.98	Pass
		5200	/	/	12.49	<=23.98	Pass
		5240	/	/	12.07	<=23.98	Pass
802.11n (HT20)	SISO	5180	/	/	11.97	<=23.98	Pass
		5200	/	/	11.95	<=23.98	Pass
		5240	/	/	11.58	<=23.98	Pass
802.11ac (VHT20)	SISO	5180	/	/	11.55	<=23.98	Pass
		5200	/	/	11.95	<=23.98	Pass
		5240	/	/	11.58	<=23.98	Pass
802.11ax (HEW20)	SISO	5180	SU	/	11.59	<=23.98	Pass
		5200	SU	/	12.11	<=23.98	Pass
		5240	SU	/	11.68	<=23.98	Pass

Note1: Antenna Gain: Ant1: 5.33dBi;

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3. Maximum Power Spectral Density

3.1 Test Result

3.1.1 PSD

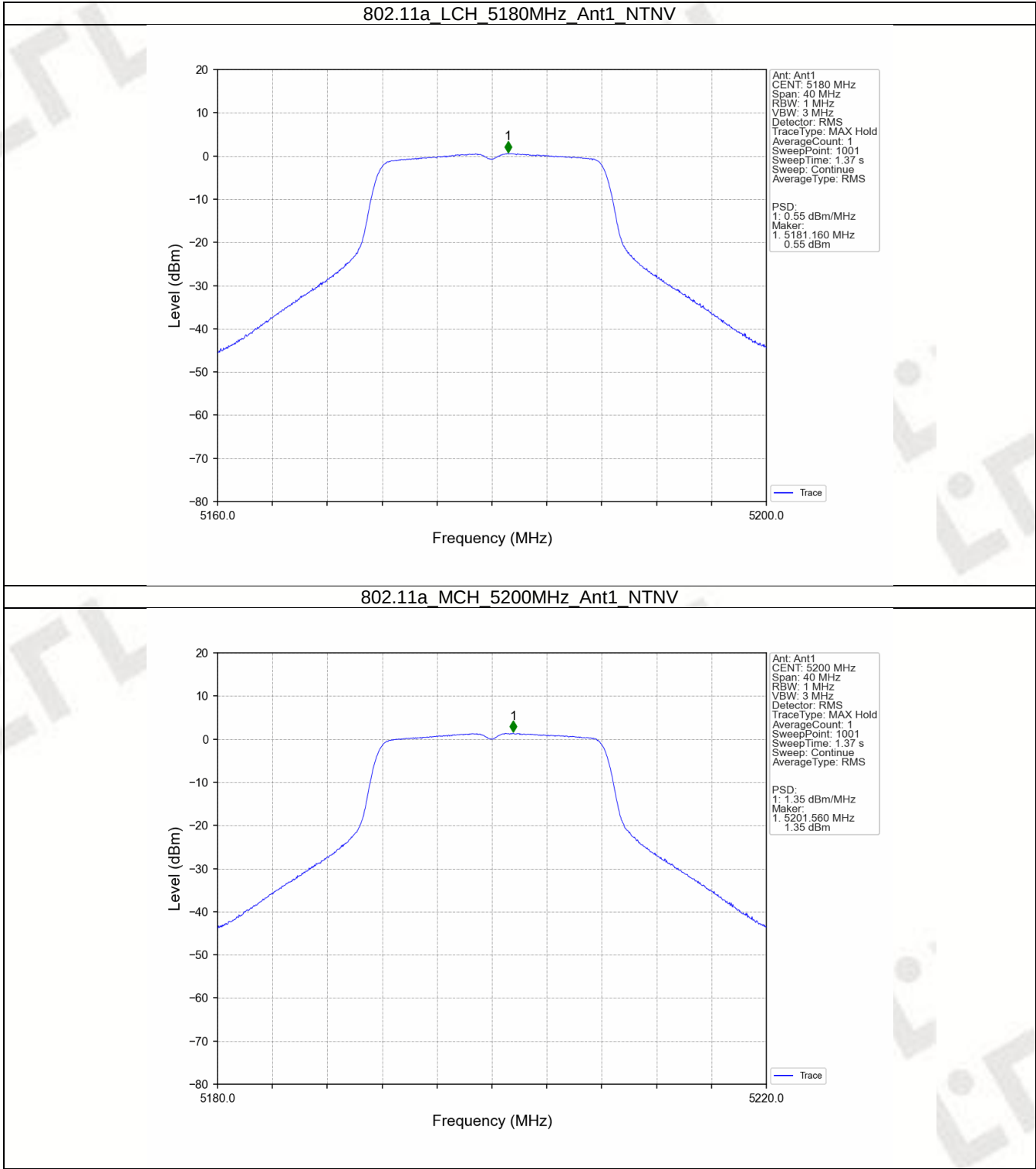
Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum PSD (dBm/MHz)		Verdict
					ANT1	Limit	
802.11a	SISO	5180	/	/	0.55	<=11	Pass
		5200	/	/	1.35	<=11	Pass
		5240	/	/	0.95	<=11	Pass
802.11n (HT20)	SISO	5180	/	/	0.70	<=11	Pass
		5200	/	/	0.57	<=11	Pass
		5240	/	/	0.22	<=11	Pass
802.11ac (VHT20)	SISO	5180	/	/	0.28	<=11	Pass
		5200	/	/	0.57	<=11	Pass
		5240	/	/	0.24	<=11	Pass
802.11ax (HEW20)	SISO	5180	SU	/	0.03	<=11	Pass
		5200	SU	/	0.46	<=11	Pass
		5240	SU	/	0.06	<=11	Pass

Note1: Antenna Gain: Ant1: 5.33dBi;

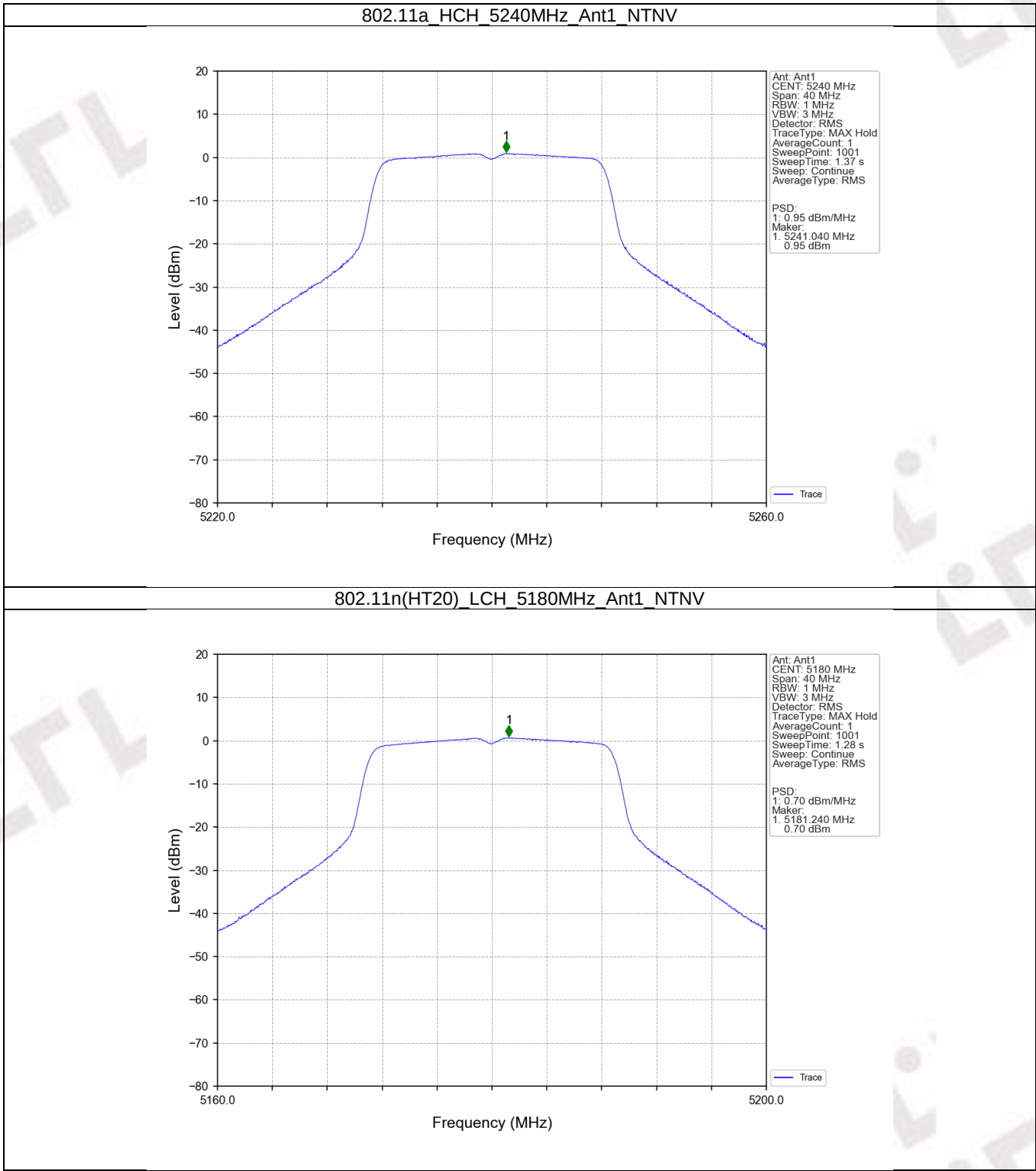
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3.2 Test Graph

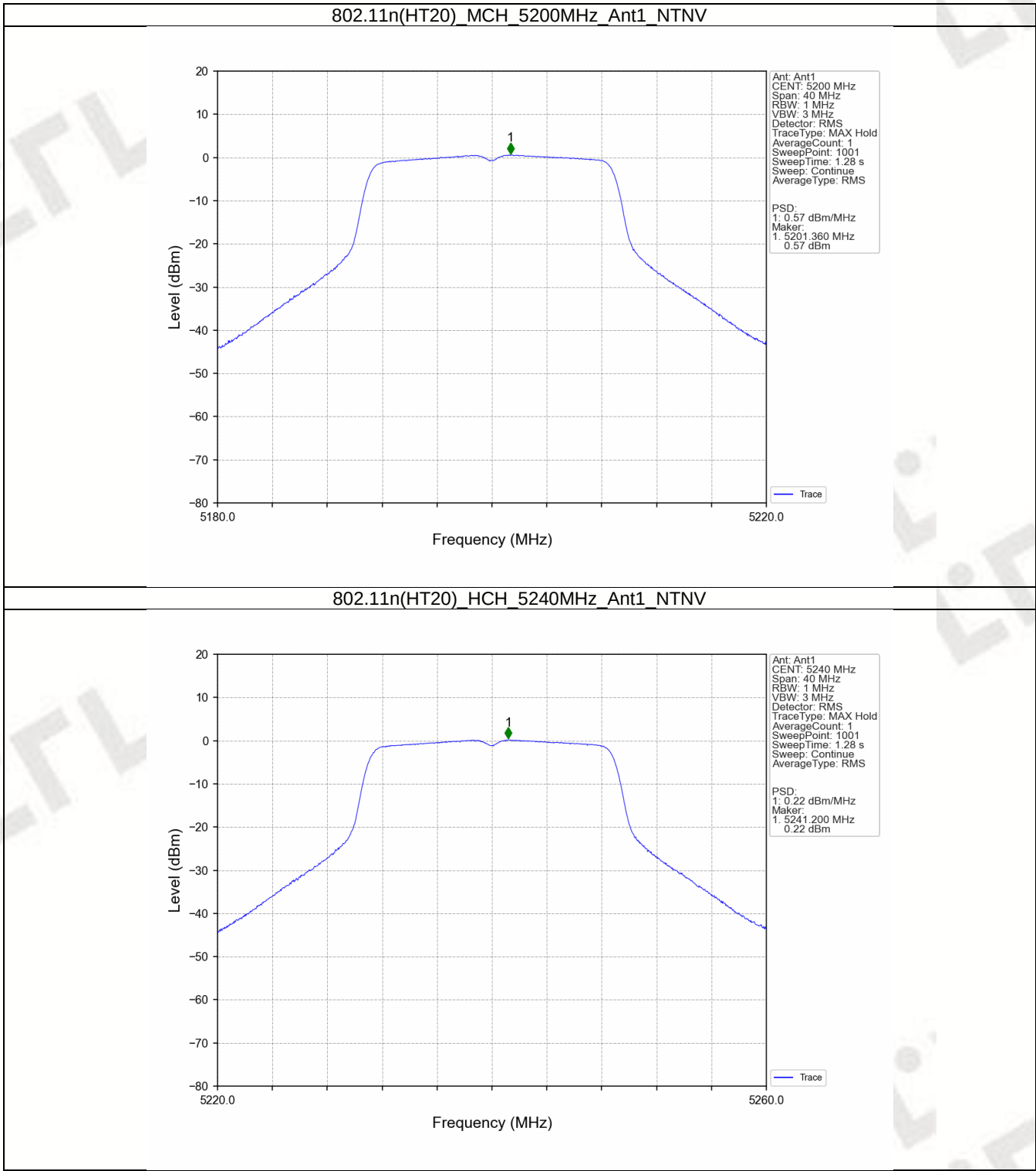
3.2.1 PSD



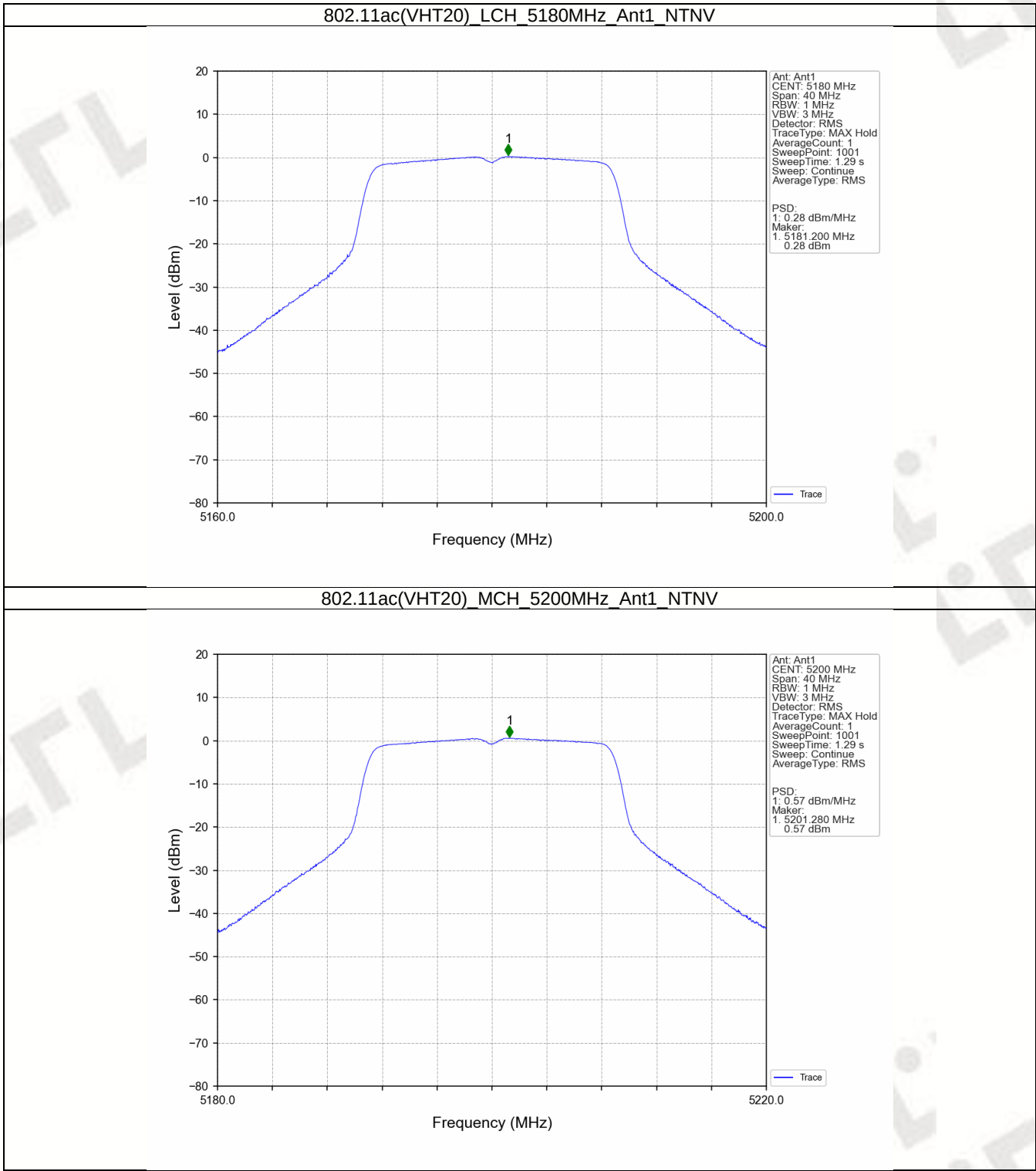
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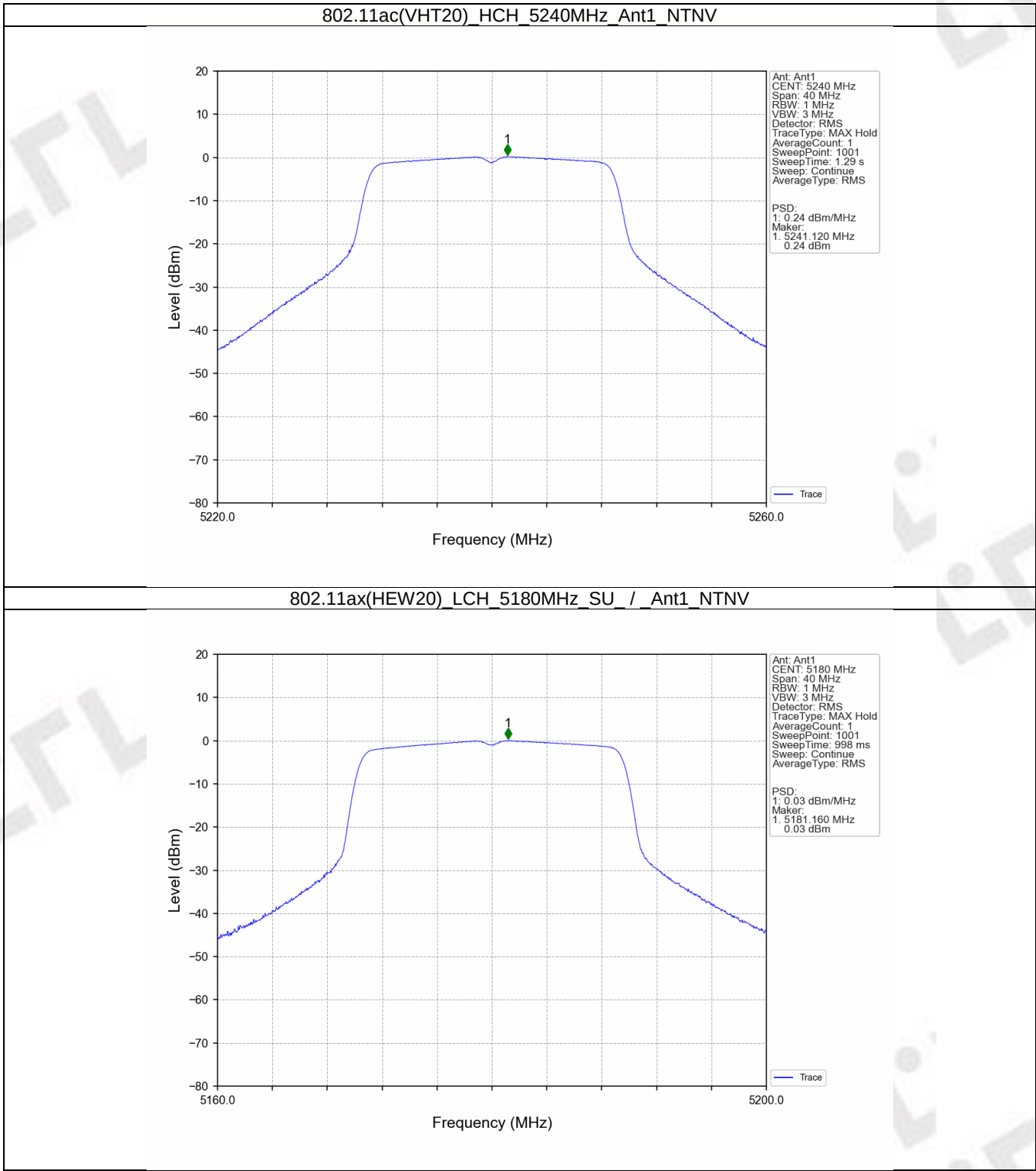
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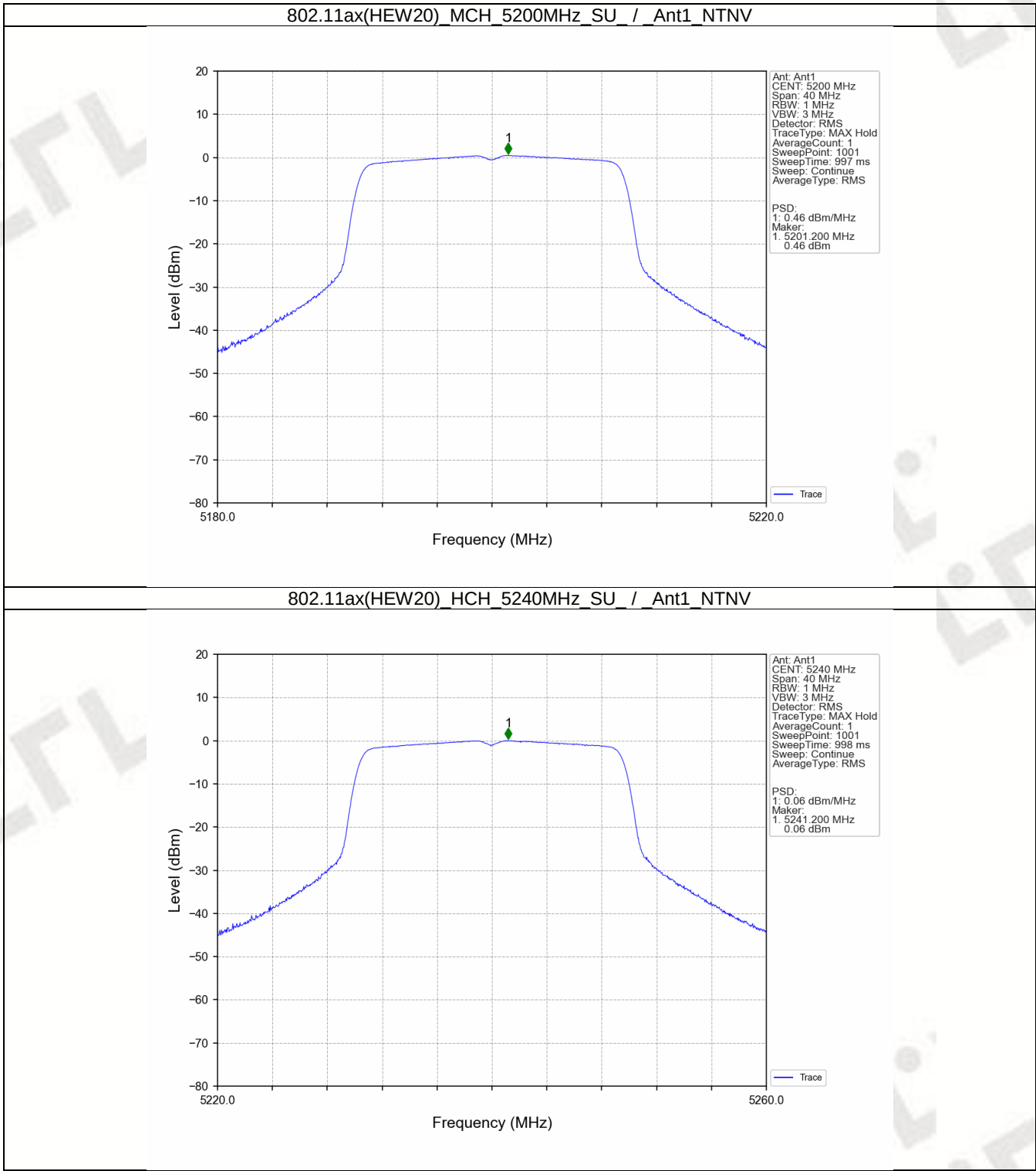
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FCC ID: 2AUR8-EBOMINI



FCC ID: 2AUR8-EBOMINI



4. Frequency Stability

4.1 Test Result

4.1.1 Ant1

Ant1							
Mode	TX Type	Frequency (MHz)	Temperature (°C)	Voltage	Measured Frequency (MHz)	Limit (MHz)	Verdict
Carrier Wave	SISO	5180	20	LV	5179.970	5150 to 5250	Pass
				NV	5179.969	5150 to 5250	Pass
				HV	5179.968	5150 to 5250	Pass
			-30	NV	5179.973	5150 to 5250	Pass
			-20	NV	5179.972	5150 to 5250	Pass
			-10	NV	5179.978	5150 to 5250	Pass
			0	NV	5179.978	5150 to 5250	Pass
			10	NV	5179.977	5150 to 5250	Pass
			30	NV	5179.983	5150 to 5250	Pass
			40	NV	5179.983	5150 to 5250	Pass
			50	NV	5179.983	5150 to 5250	Pass
		5200	20	LV	5199.969	5150 to 5250	Pass
				NV	5199.968	5150 to 5250	Pass
				HV	5199.973	5150 to 5250	Pass
			-30	NV	5199.973	5150 to 5250	Pass
			-20	NV	5199.972	5150 to 5250	Pass
			-10	NV	5199.978	5150 to 5250	Pass
			0	NV	5199.977	5150 to 5250	Pass
			10	NV	5199.977	5150 to 5250	Pass
			30	NV	5199.983	5150 to 5250	Pass
			40	NV	5199.983	5150 to 5250	Pass
			50	NV	5199.983	5150 to 5250	Pass
		5240	20	LV	5239.969	5150 to 5250	Pass
				NV	5239.968	5150 to 5250	Pass
				HV	5239.967	5150 to 5250	Pass
			-30	NV	5239.972	5150 to 5250	Pass
			-20	NV	5239.972	5150 to 5250	Pass
			-10	NV	5239.972	5150 to 5250	Pass
			0	NV	5239.977	5150 to 5250	Pass
			10	NV	5239.977	5150 to 5250	Pass
			30	NV	5239.983	5150 to 5250	Pass
			40	NV	5239.983	5150 to 5250	Pass
			50	NV	5239.983	5150 to 5250	Pass