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Annex for 5G Wi-Fi BAND 2A

Test Report No.: CTL2506266011-WF02

TABLE OF CONTENTS

1. Duty Cycle.....3

 1.1 Test Result.....3

 1.1.1 Ant1..... 3

 1.2 Test Graph..... 4

 1.2.1 Ant1..... 4

2. Bandwidth..... 14

 2.1 Test Result..... 14

 2.1.1 OBW..... 14

 2.1.2 26dB BW..... 14

 2.2 Test Graph..... 15

 2.2.1 OBW..... 15

 2.2.2 26dB BW..... 25

3. Maximum Conducted Output Power..... 35

 3.1 Test Result..... 35

FCC ID: SMQUWM2

3.1.1 Power.....	35
3.2 Test Graph.....	36
3.2.1 Power.....	36
4. Maximum Power Spectral Density.....	46
4.1 Test Result.....	46
4.1.1 PSD.....	46
4.2 Test Graph.....	47
4.2.1 PSD.....	47
5. Frequency Stability.....	57
5.1 Test Result.....	57
5.1.1 Ant1.....	57

FCC ID: SMQUWM2

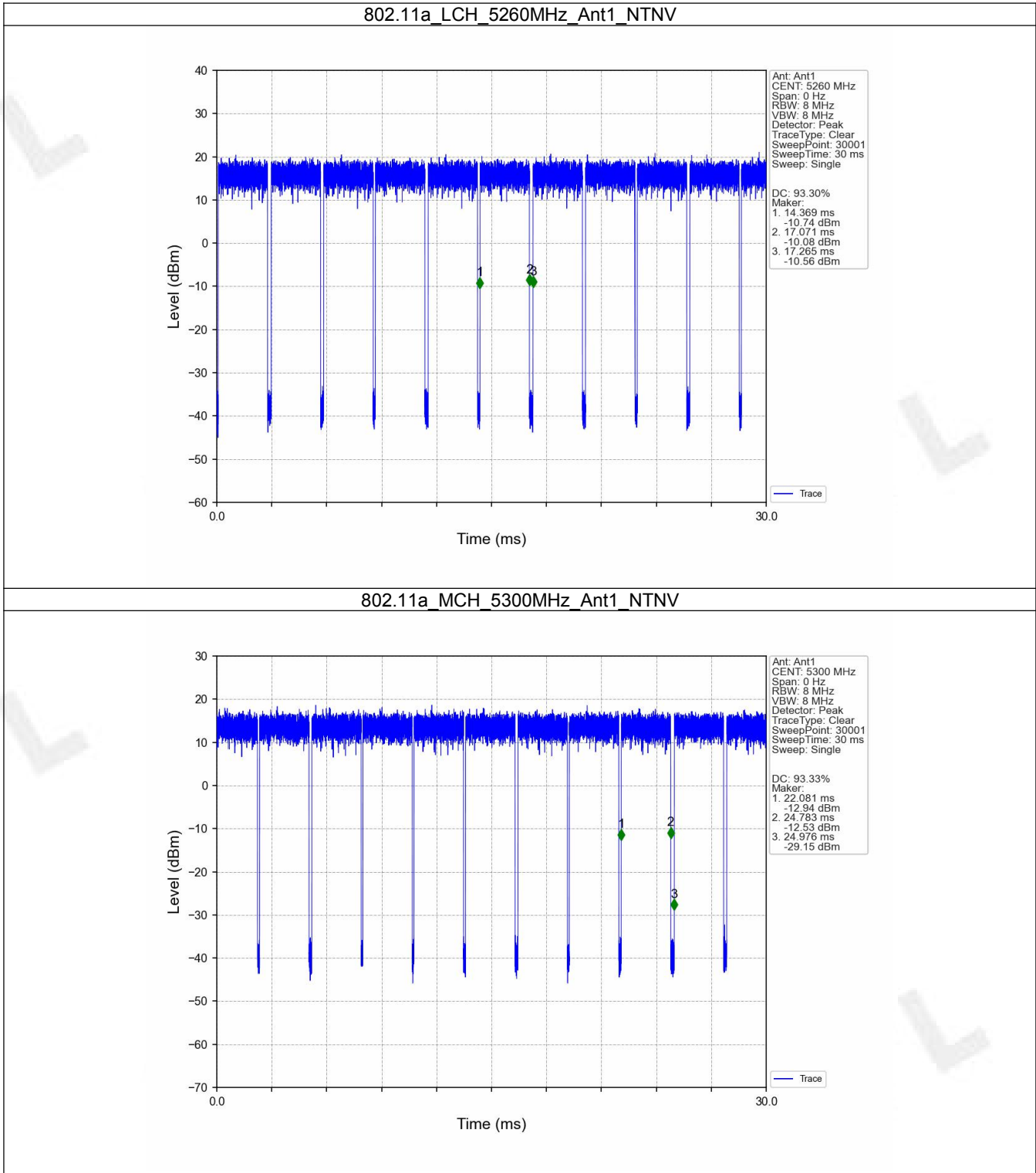
1. Duty Cycle**1.1 Test Result****1.1.1 Ant1**

Ant1									
Mode	Tx Type	Frequency (MHz)	RU	RU Pos	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11a	SISO	5260	/	/	2.702	2.896	93.30	0.30	2.69
		5300	/	/	2.702	2.895	93.33	0.30	3.62
		5320	/	/	2.702	2.877	93.92	0.27	3.00
802.11n (HT20)	SISO	5260	/	/	2.508	2.708	92.61	0.33	3.90
		5300	/	/	2.514	2.725	92.26	0.35	4.82
		5320	/	/	2.514	2.726	92.22	0.35	4.47
802.11n (HT40)	SISO	5270	/	/	1.228	1.483	82.81	0.82	5.89
		5310	/	/	1.232	1.443	85.38	0.69	8.17
802.11ac (VHT20)	SISO	5260	/	/	2.522	2.715	92.89	0.32	3.86
		5300	/	/	2.522	2.725	92.55	0.34	4.14
		5320	/	/	2.522	2.725	92.55	0.34	3.80
802.11ac (VHT40)	SISO	5270	/	/	1.232	1.420	86.76	0.62	5.87
		5310	/	/	1.237	1.421	87.05	0.60	7.18
802.11ac (VHT80)	SISO	5290	/	/	0.595	0.789	75.41	1.23	11.97
802.11ax (HEW20)	SISO	5260	SU	/	1.916	2.125	90.16	0.45	4.82
		5300	SU	/	1.917	2.134	89.83	0.47	5.23
		5320	SU	/	1.917	2.107	90.98	0.41	4.91
802.11ax (HEW40)	SISO	5270	SU	/	1.233	1.448	85.15	0.70	5.65
		5310	SU	/	0.979	1.177	83.18	0.80	5.48
802.11ax (HEW80)	SISO	5290	SU	/	0.489	0.703	69.56	1.58	10.20

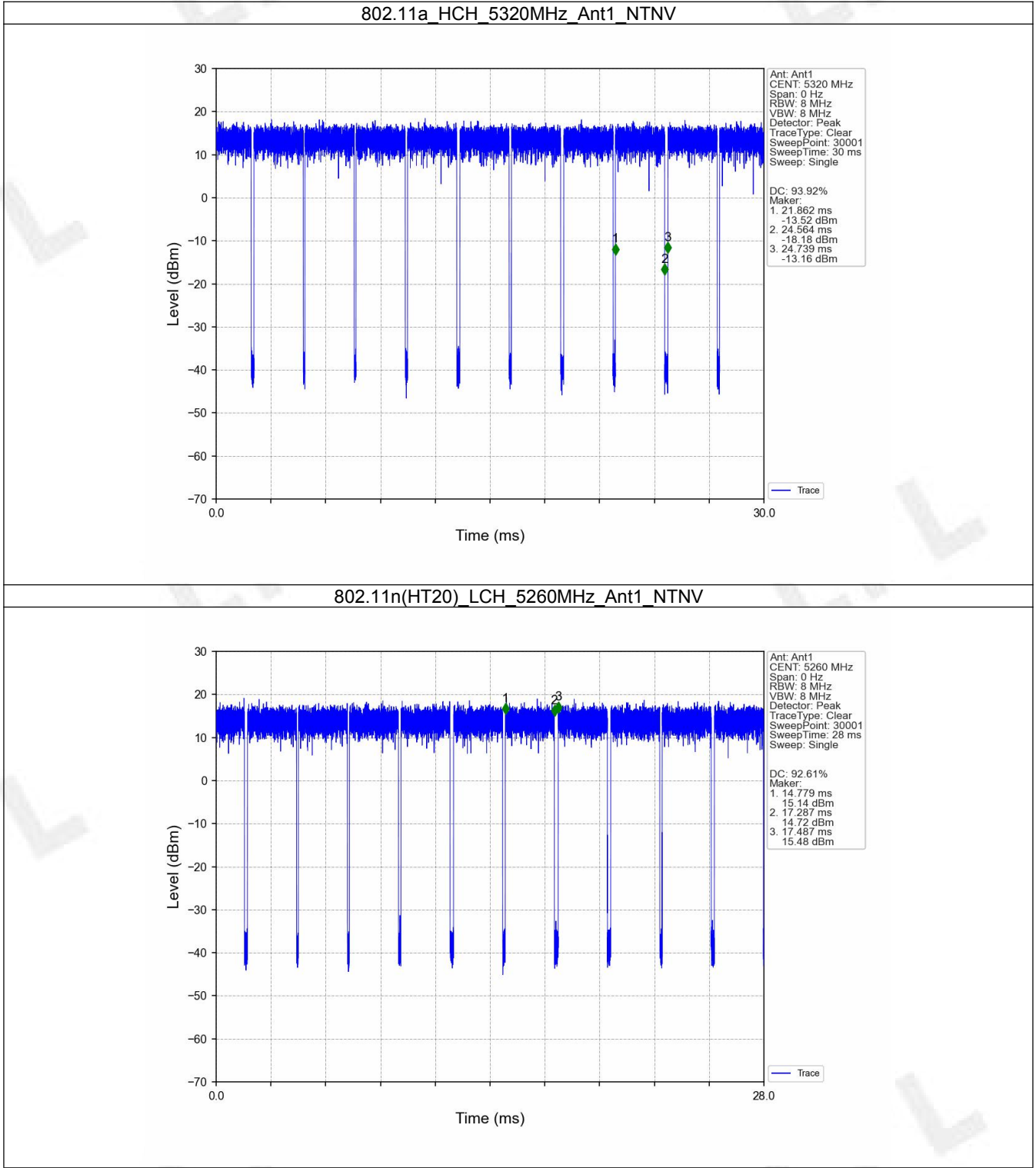
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1.2 Test Graph

1.2.1 Ant1

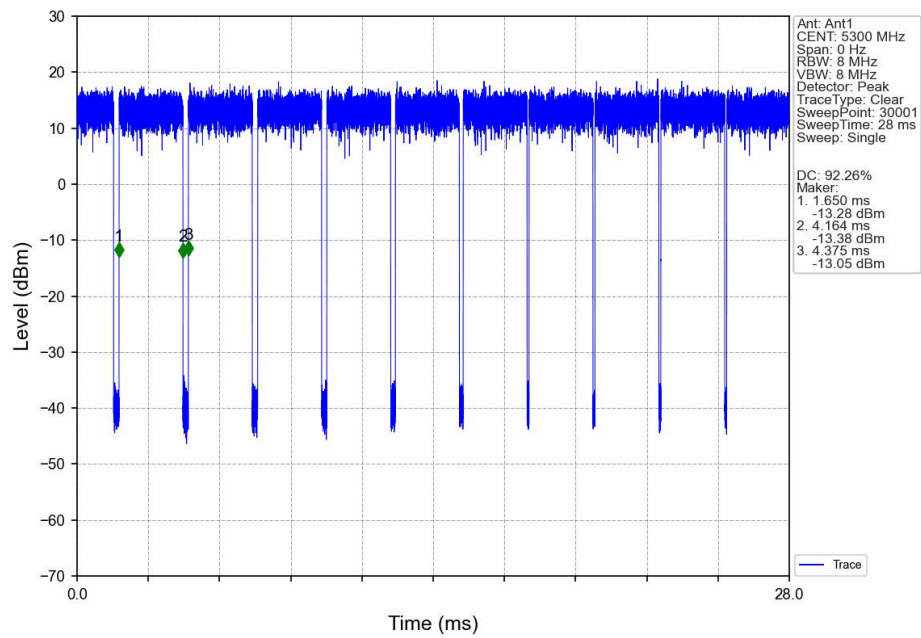


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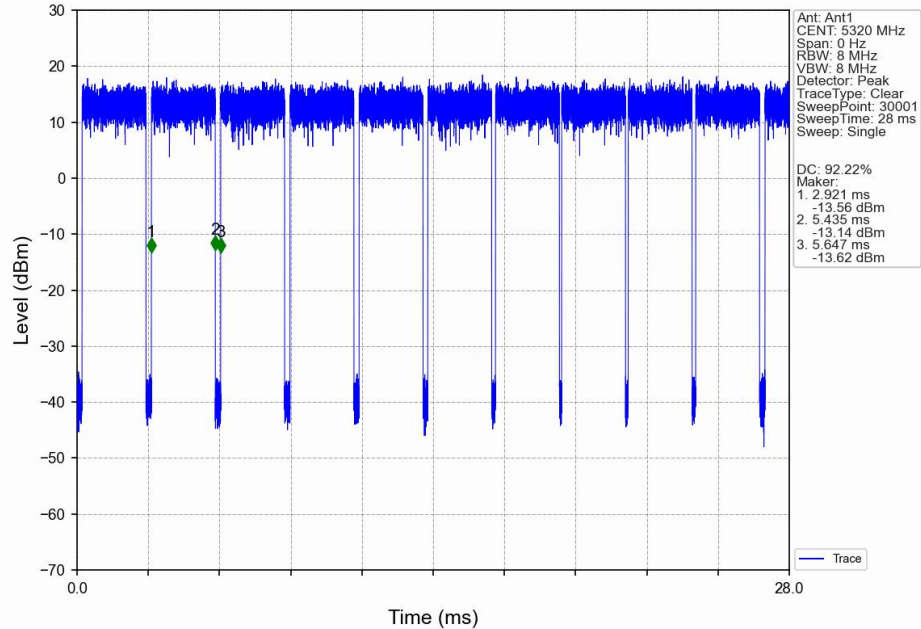


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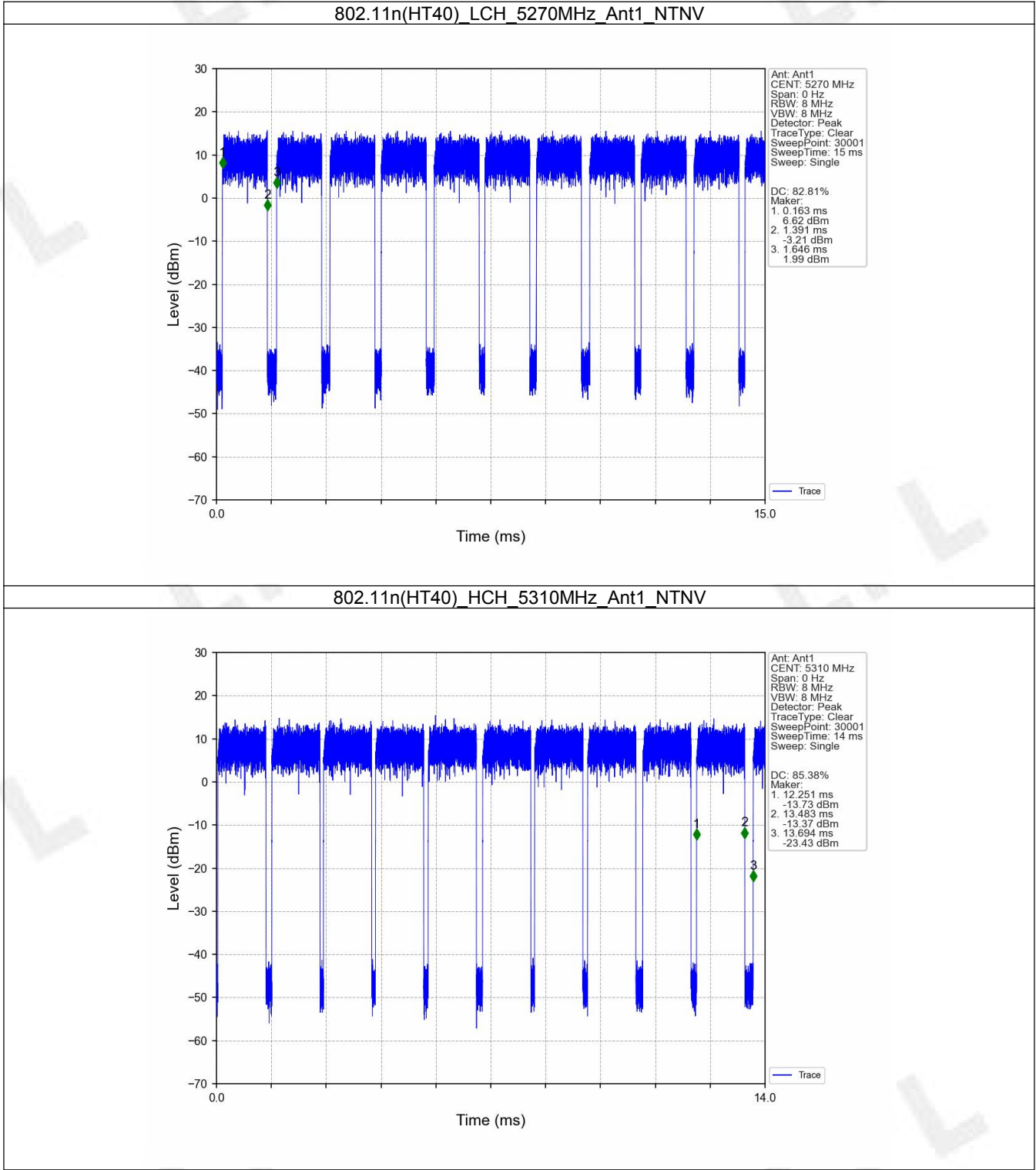
802.11n(HT20)_MCH_5300MHz_Ant1_NTNV



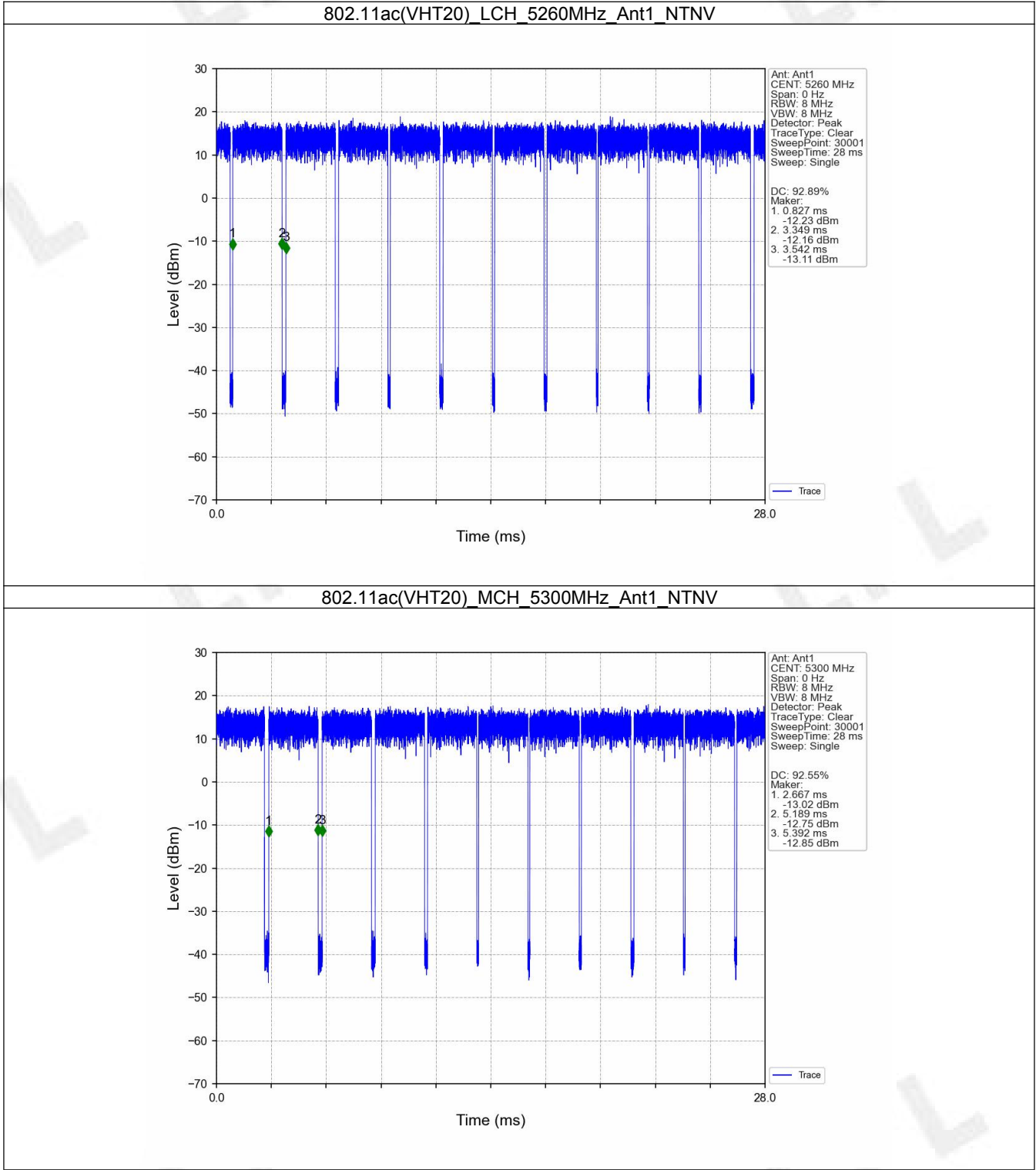
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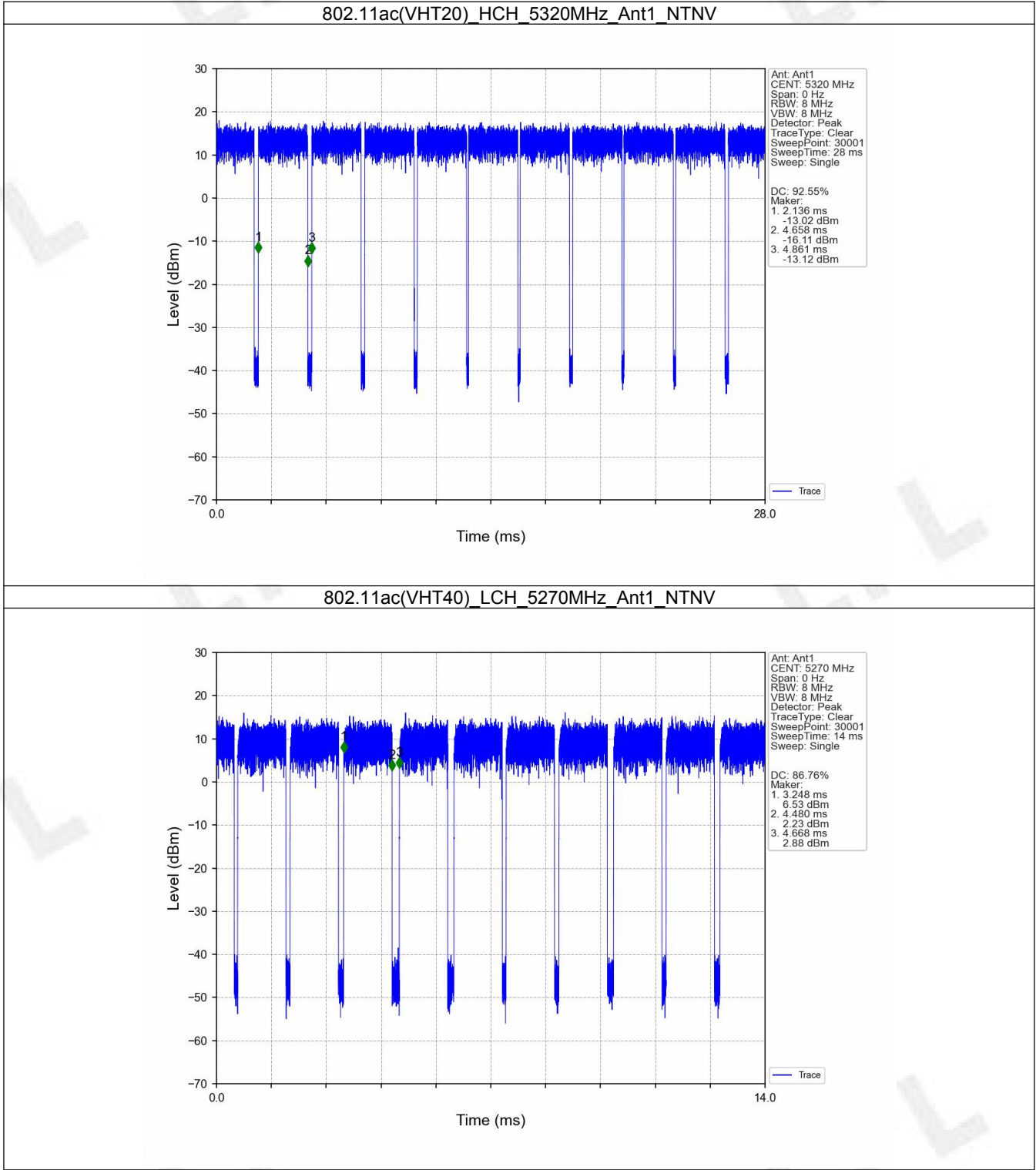
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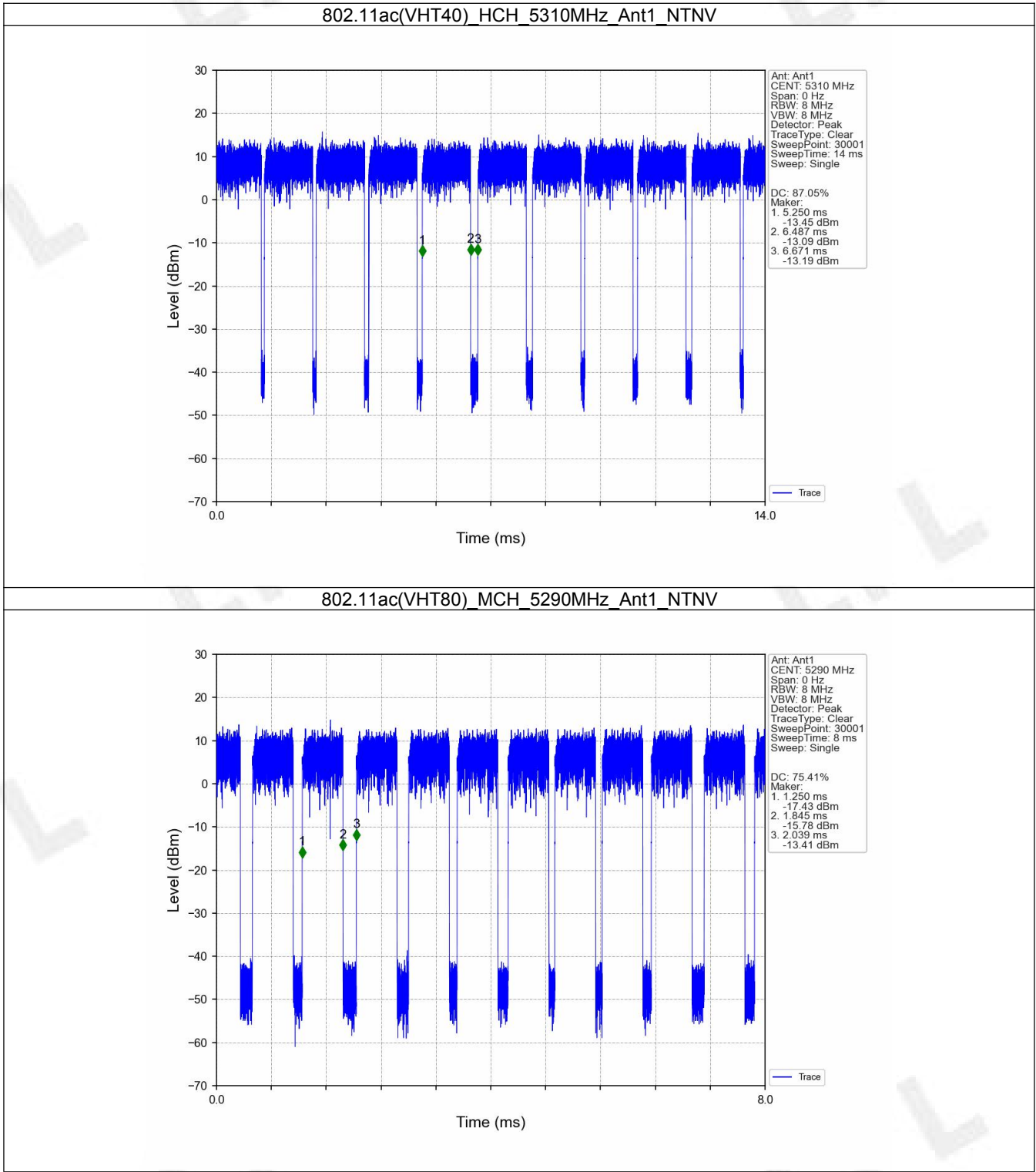
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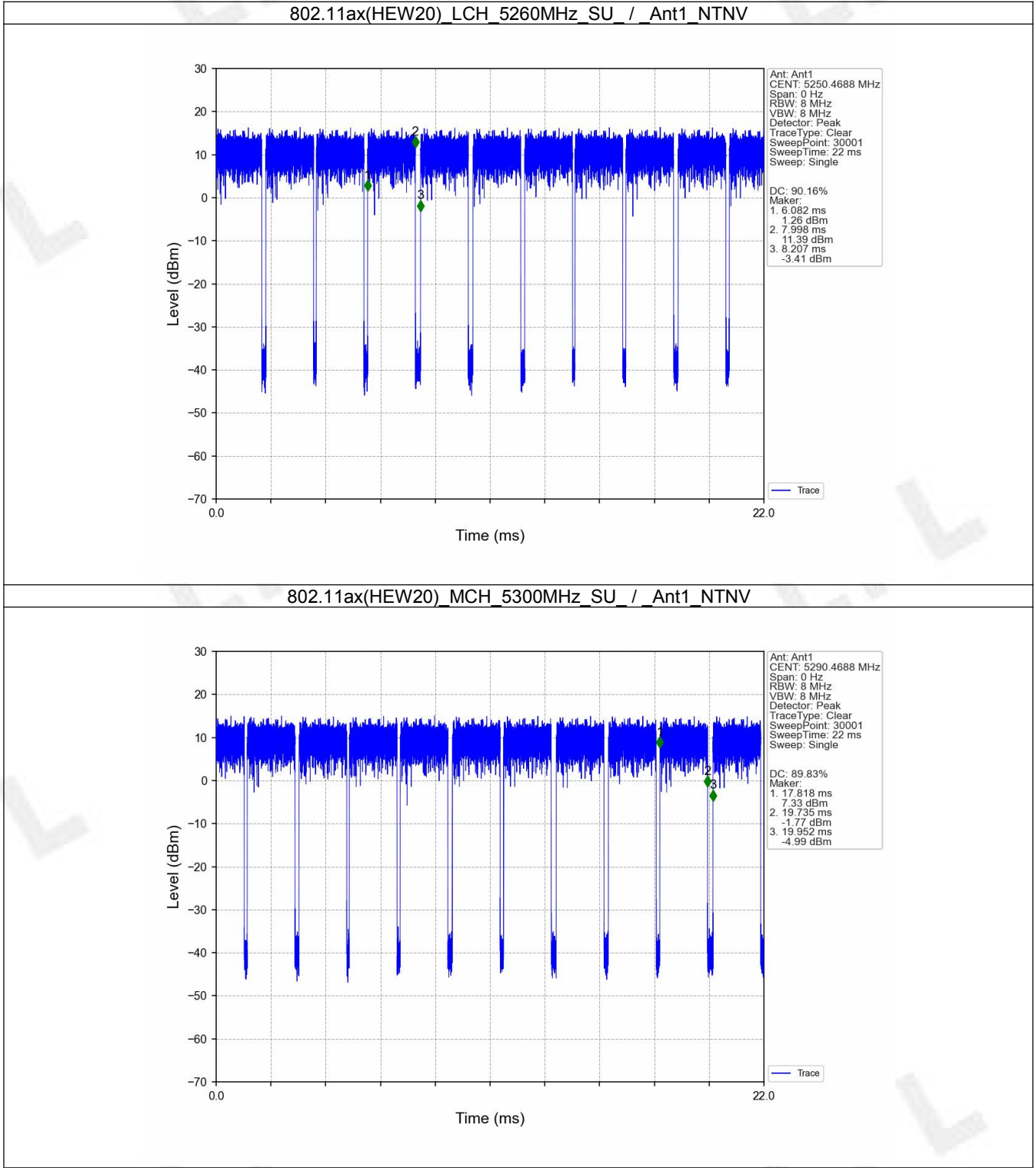
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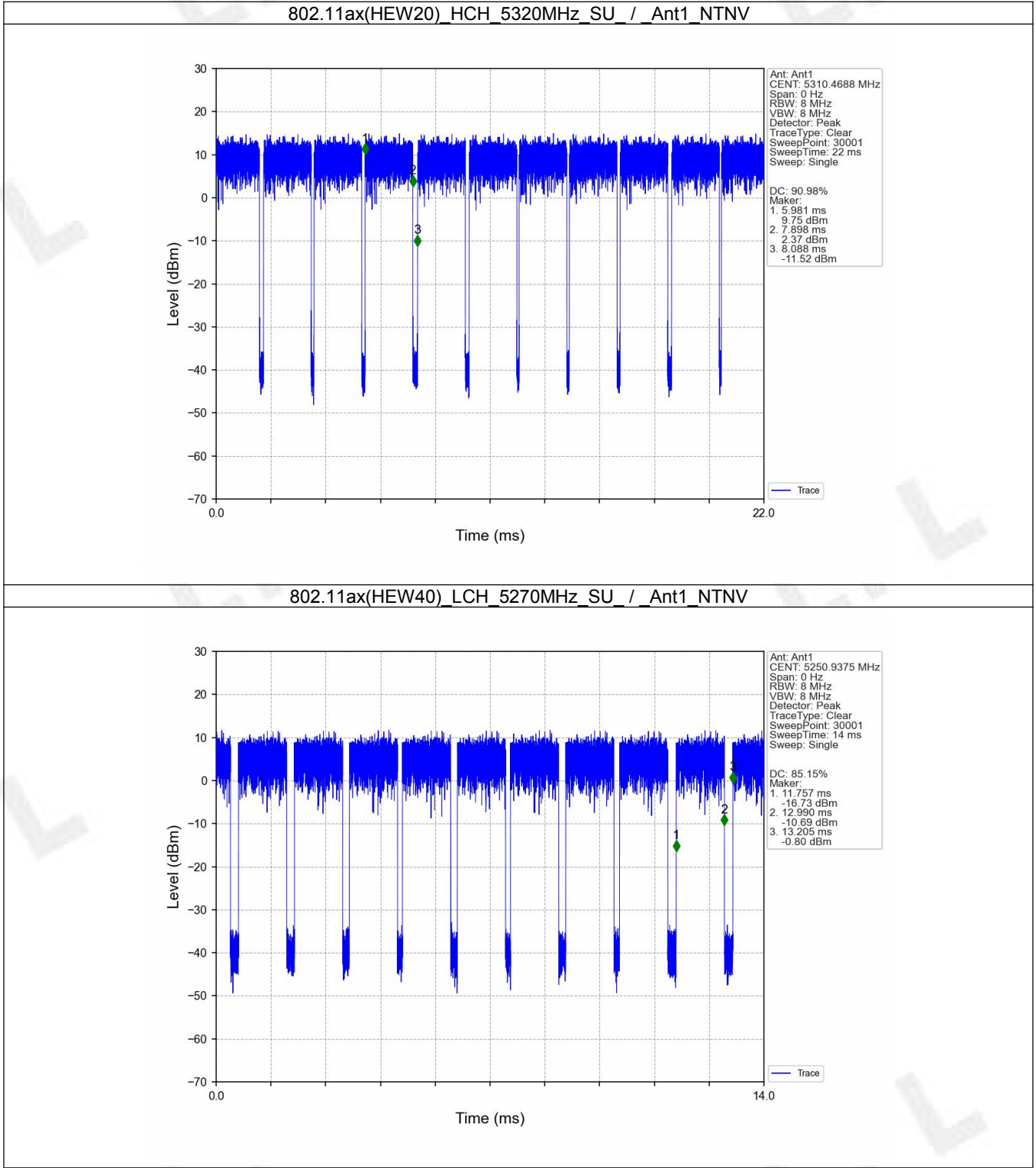
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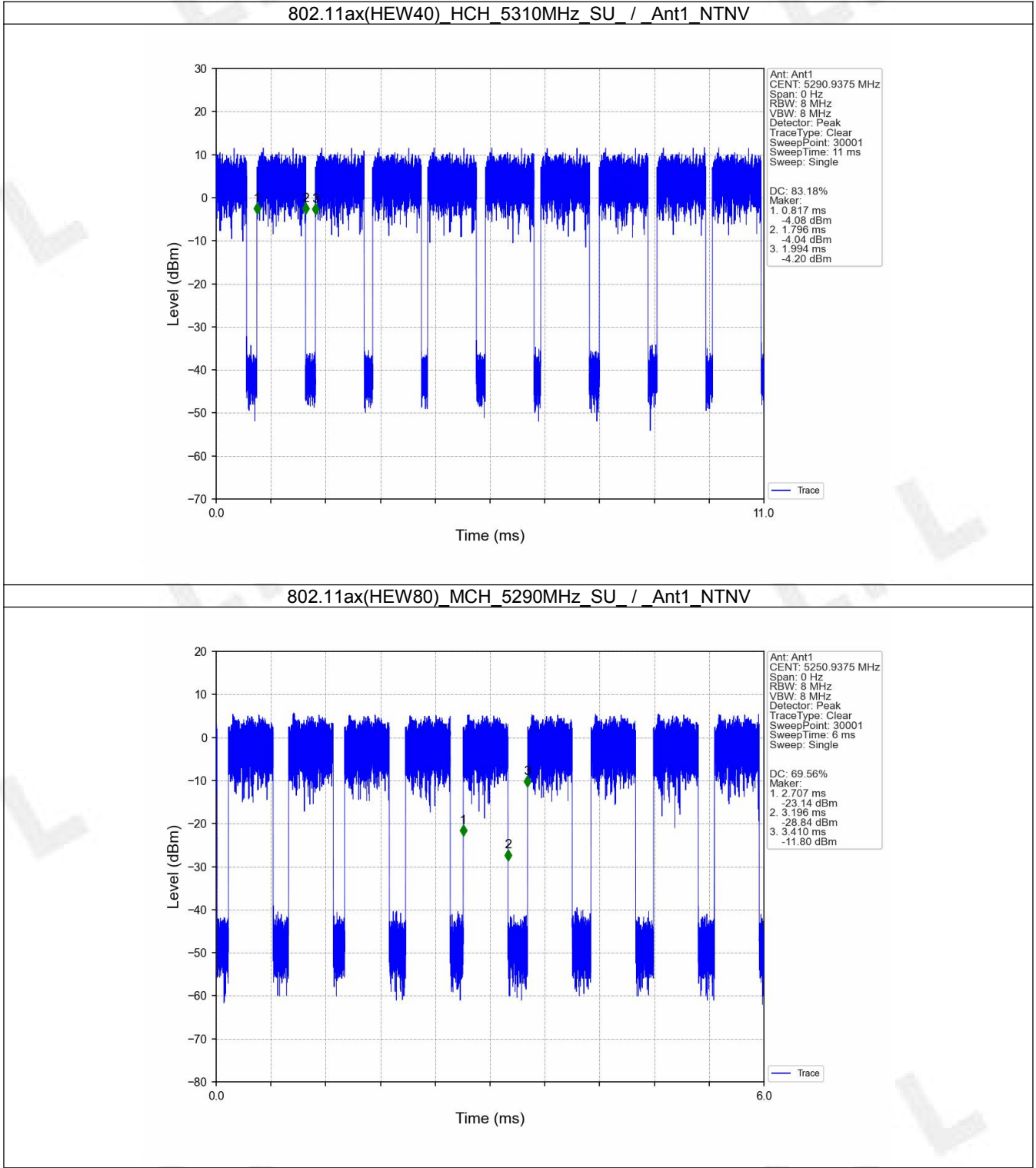
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2. Bandwidth**2.1 Test Result****2.1.1 OBW**

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	99% Occupied Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	SISO	5260	/	/	1	17.590	/	Pass
		5300	/	/	1	17.652	/	Pass
		5320	/	/	1	17.510	/	Pass
802.11n (HT20)	SISO	5260	/	/	1	18.612	/	Pass
		5300	/	/	1	18.471	/	Pass
		5320	/	/	1	18.488	/	Pass
802.11n (HT40)	SISO	5270	/	/	1	37.072	/	Pass
		5310	/	/	1	37.143	/	Pass
802.11ac (VHT20)	SISO	5260	/	/	1	18.548	/	Pass
		5300	/	/	1	18.452	/	Pass
		5320	/	/	1	18.483	/	Pass
802.11ac (VHT40)	SISO	5270	/	/	1	37.197	/	Pass
		5310	/	/	1	37.181	/	Pass
802.11ac (VHT80)	SISO	5290	/	/	1	75.365	/	Pass
802.11ax (HEW20)	SISO	5260	SU	/	1	19.316	/	Pass
		5300	SU	/	1	19.215	/	Pass
		5320	SU	/	1	19.245	/	Pass
802.11ax (HEW40)	SISO	5270	SU	/	1	37.226	/	Pass
		5310	SU	/	1	38.222	/	Pass
802.11ax (HEW80)	SISO	5290	SU	/	1	77.045	/	Pass

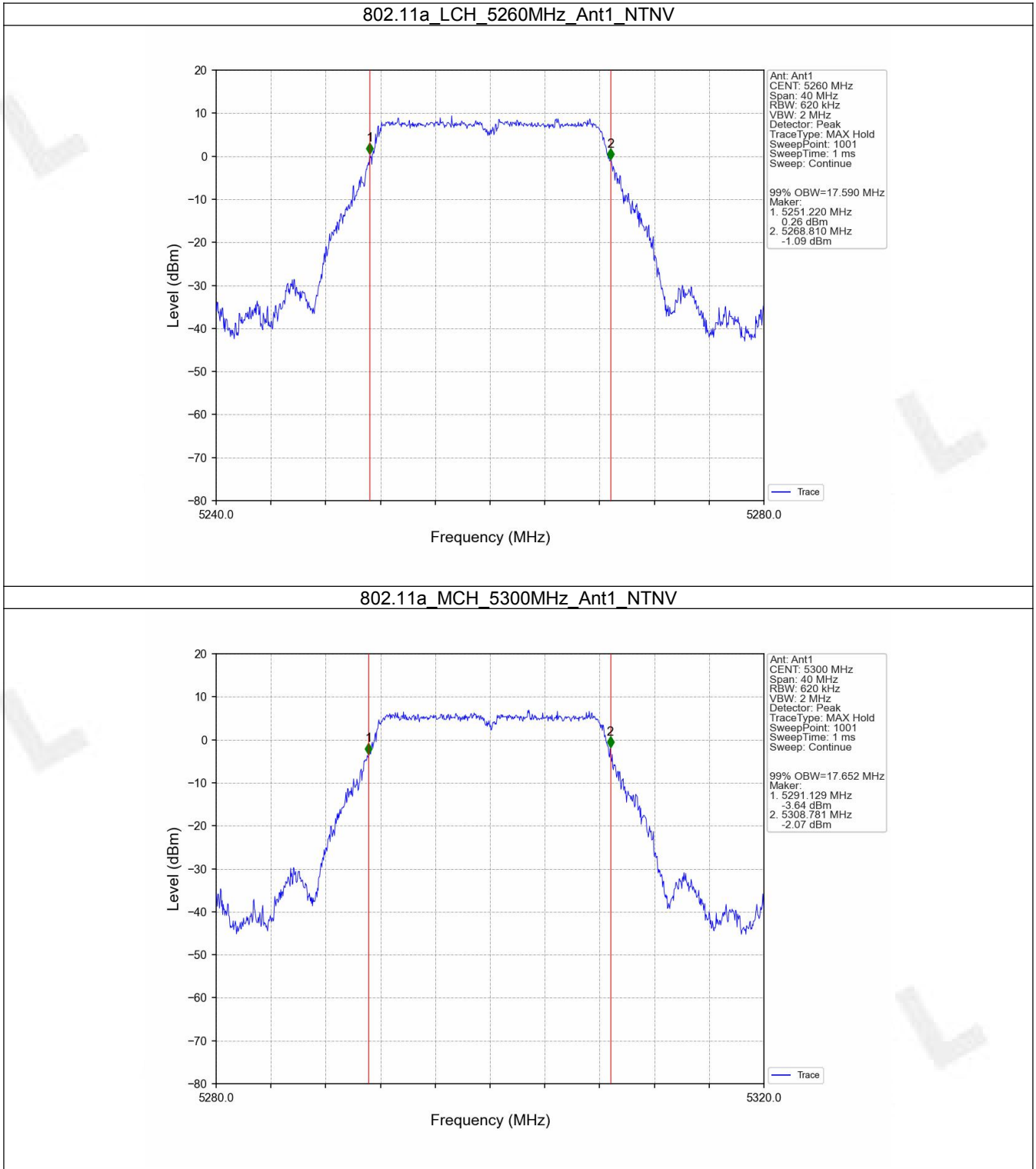
2.1.2 26dB BW

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	26dB Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	SISO	5260	/	/	1	22.127	/	Pass
		5300	/	/	1	22.276	/	Pass
		5320	/	/	1	22.579	/	Pass
802.11n (HT20)	SISO	5260	/	/	1	22.658	/	Pass
		5300	/	/	1	22.572	/	Pass
		5320	/	/	1	22.797	/	Pass
802.11n (HT40)	SISO	5270	/	/	1	42.729	/	Pass
		5310	/	/	1	42.479	/	Pass
802.11ac (VHT20)	SISO	5260	/	/	1	22.620	/	Pass
		5300	/	/	1	22.576	/	Pass
		5320	/	/	1	22.496	/	Pass
802.11ac (VHT40)	SISO	5270	/	/	1	43.016	/	Pass
		5310	/	/	1	42.653	/	Pass
802.11ac (VHT80)	SISO	5290	/	/	1	81.568	/	Pass
802.11ax (HEW20)	SISO	5260	SU	/	1	22.292	/	Pass
		5300	SU	/	1	22.417	/	Pass
		5320	SU	/	1	22.053	/	Pass
802.11ax (HEW40)	SISO	5270	SU	/	1	42.636	/	Pass
		5310	SU	/	1	42.287	/	Pass
802.11ax (HEW80)	SISO	5290	SU	/	1	82.275	/	Pass

FCC ID: SMQUWM2

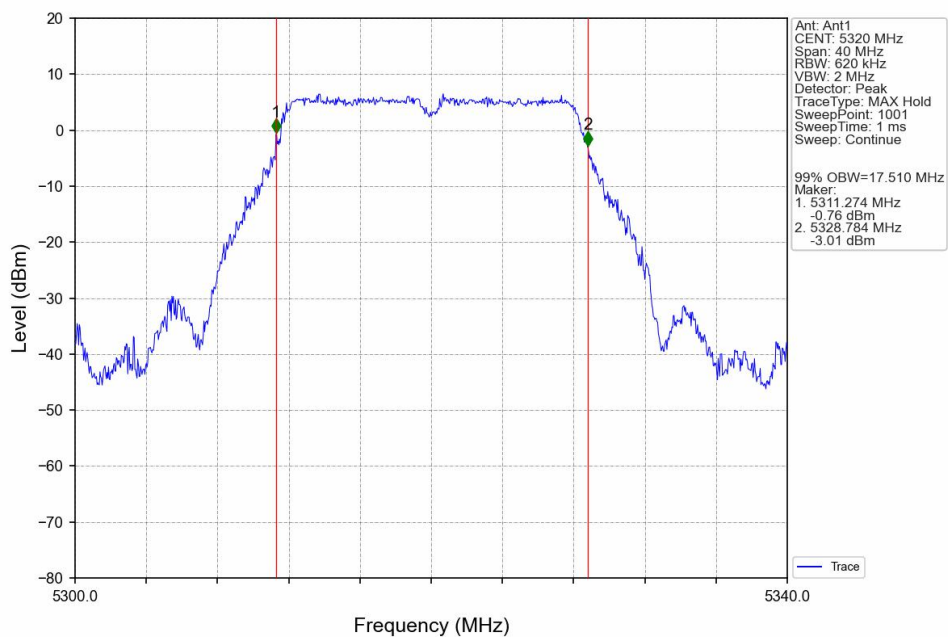
2.2 Test Graph

2.2.1 OBW

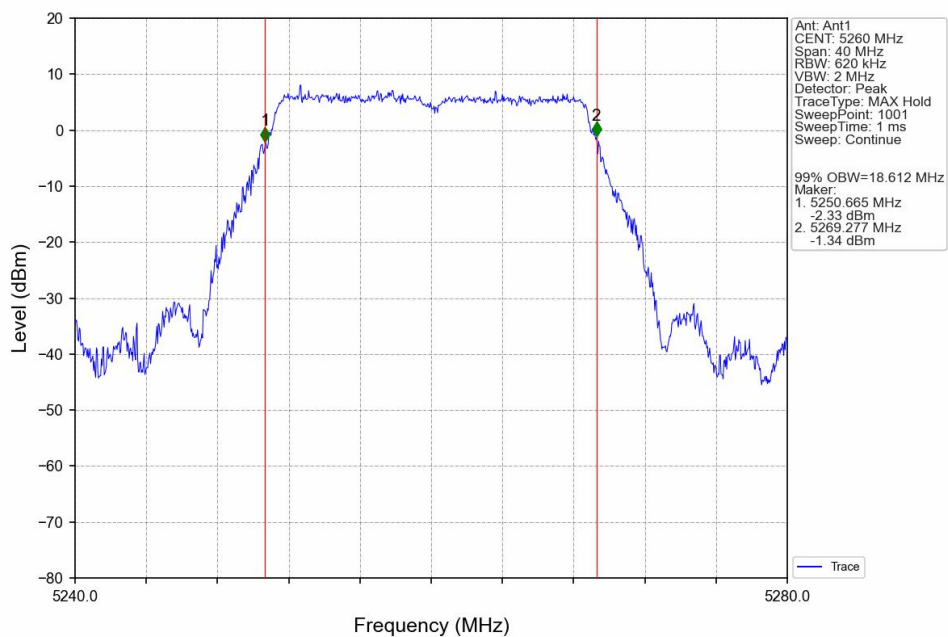


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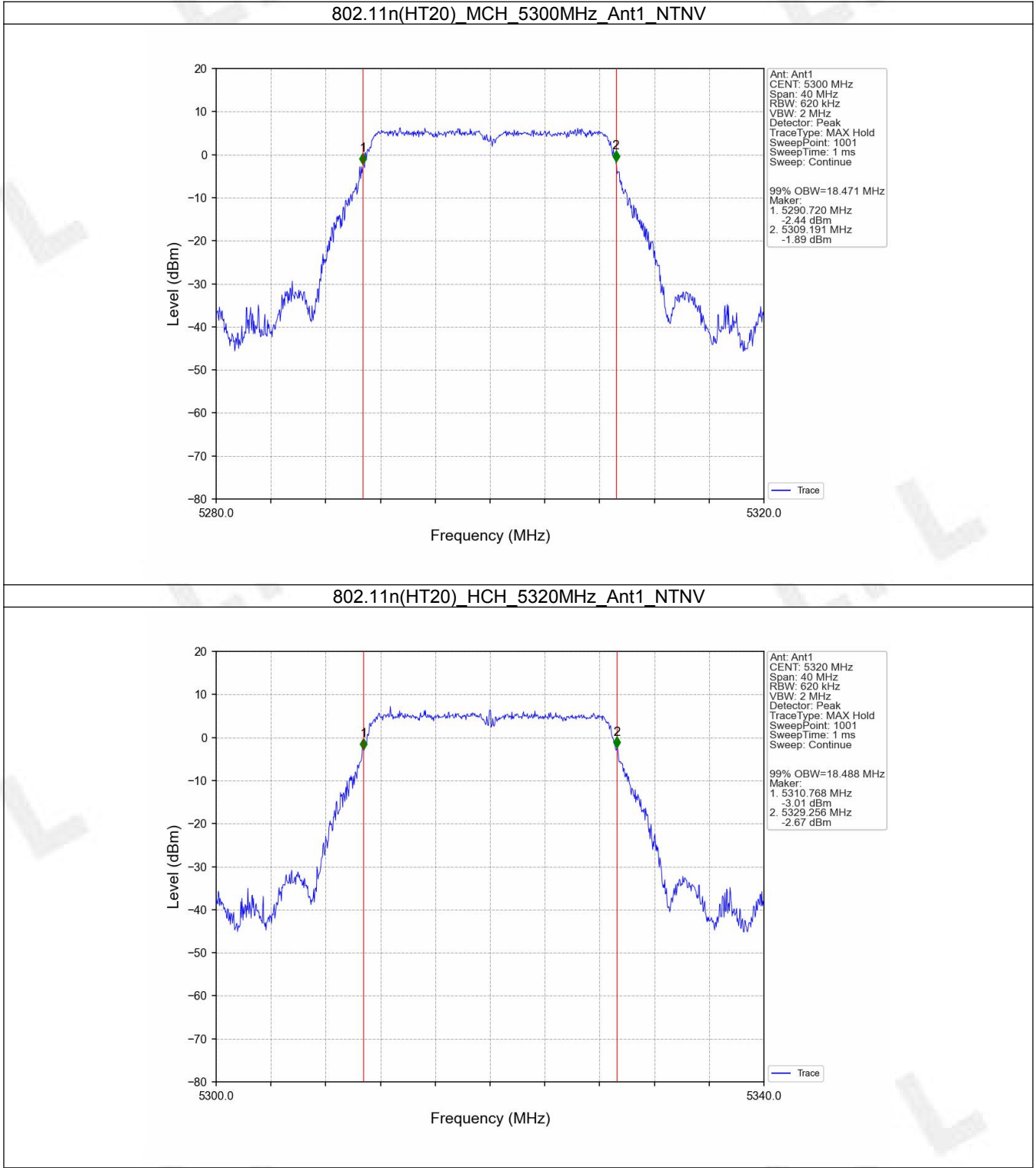
802.11a_HCH_5320MHz_Ant1_NTNV



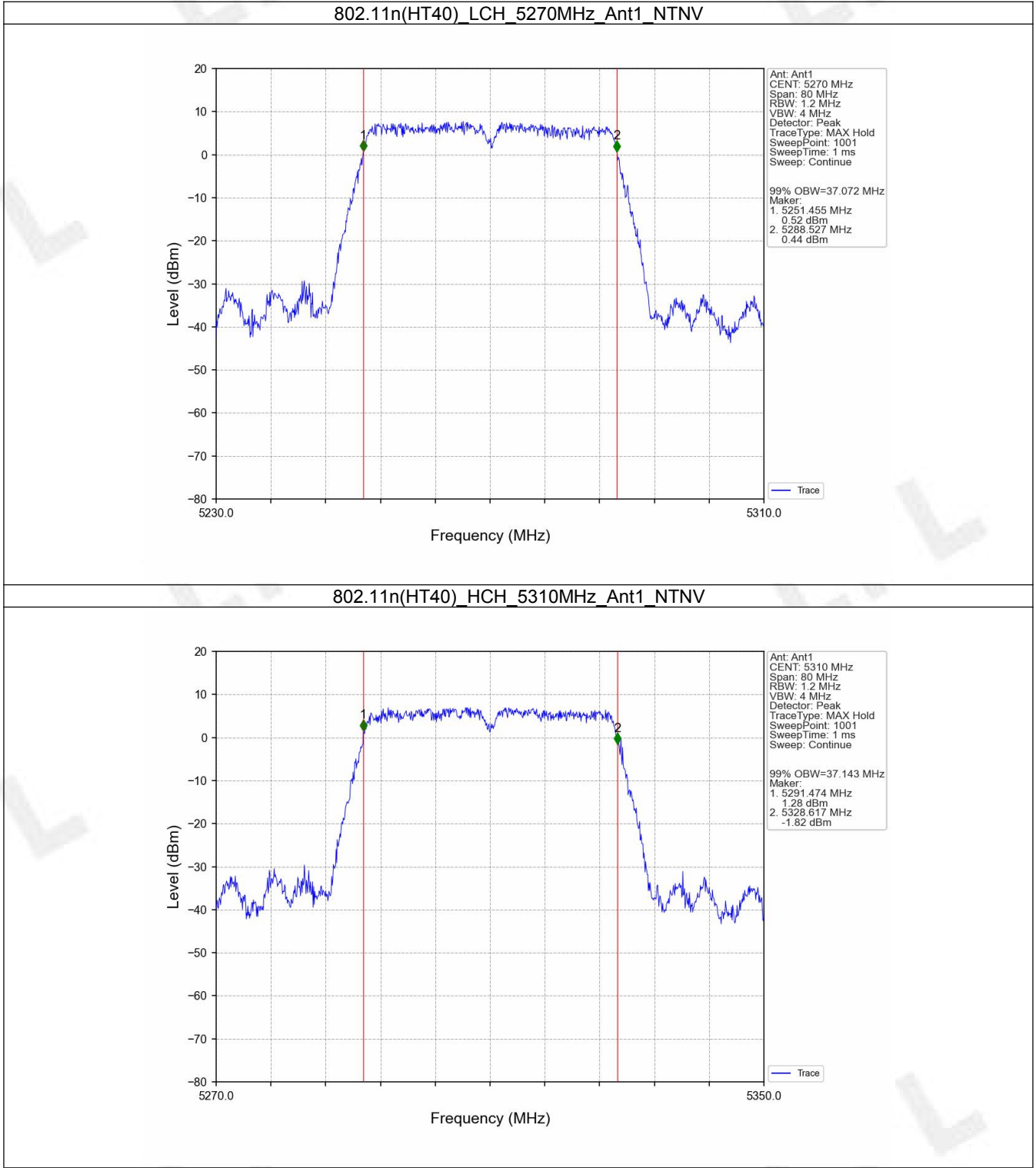
802.11n(HT20)_LCH_5260MHz_Ant1_NTNV



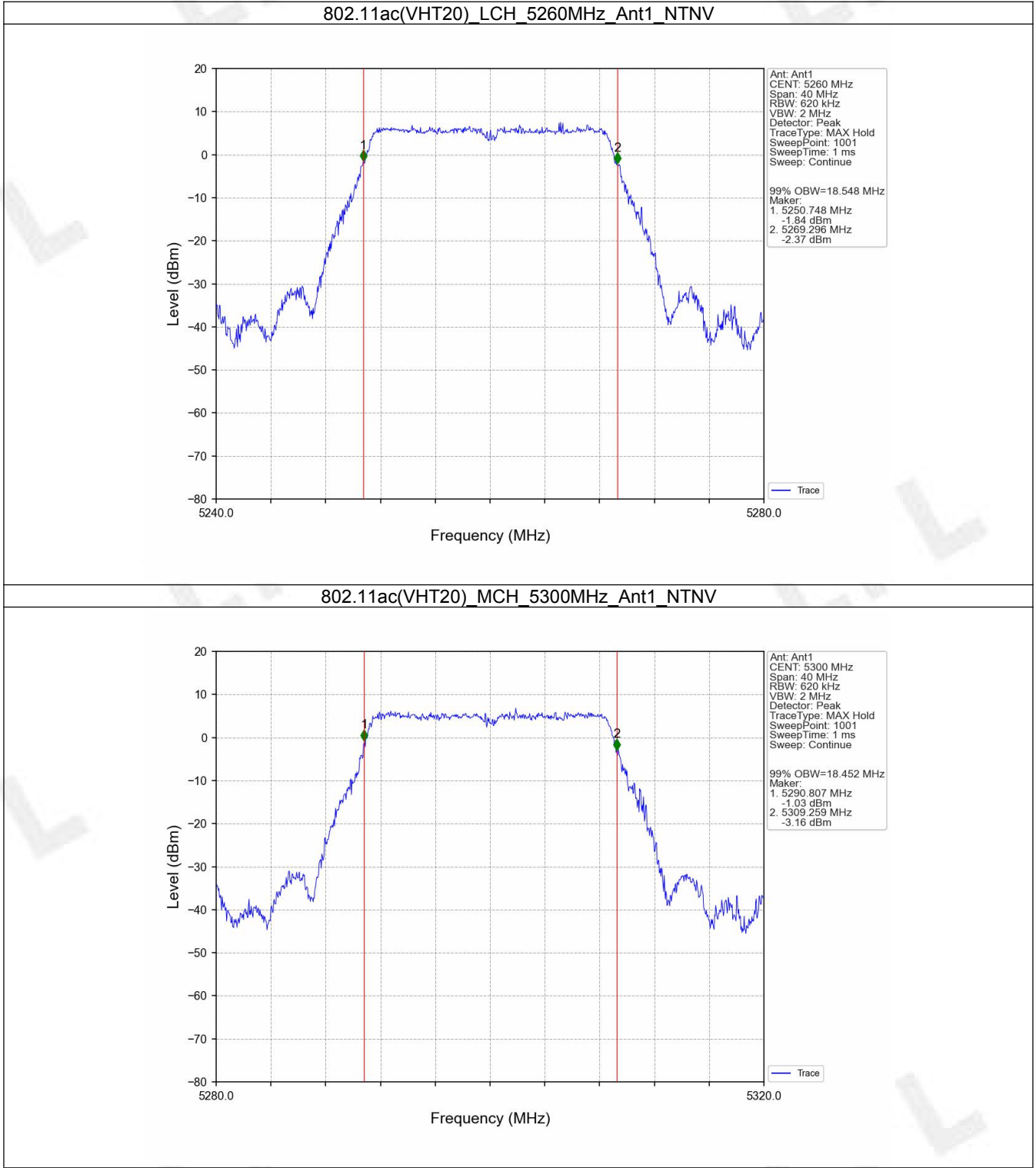
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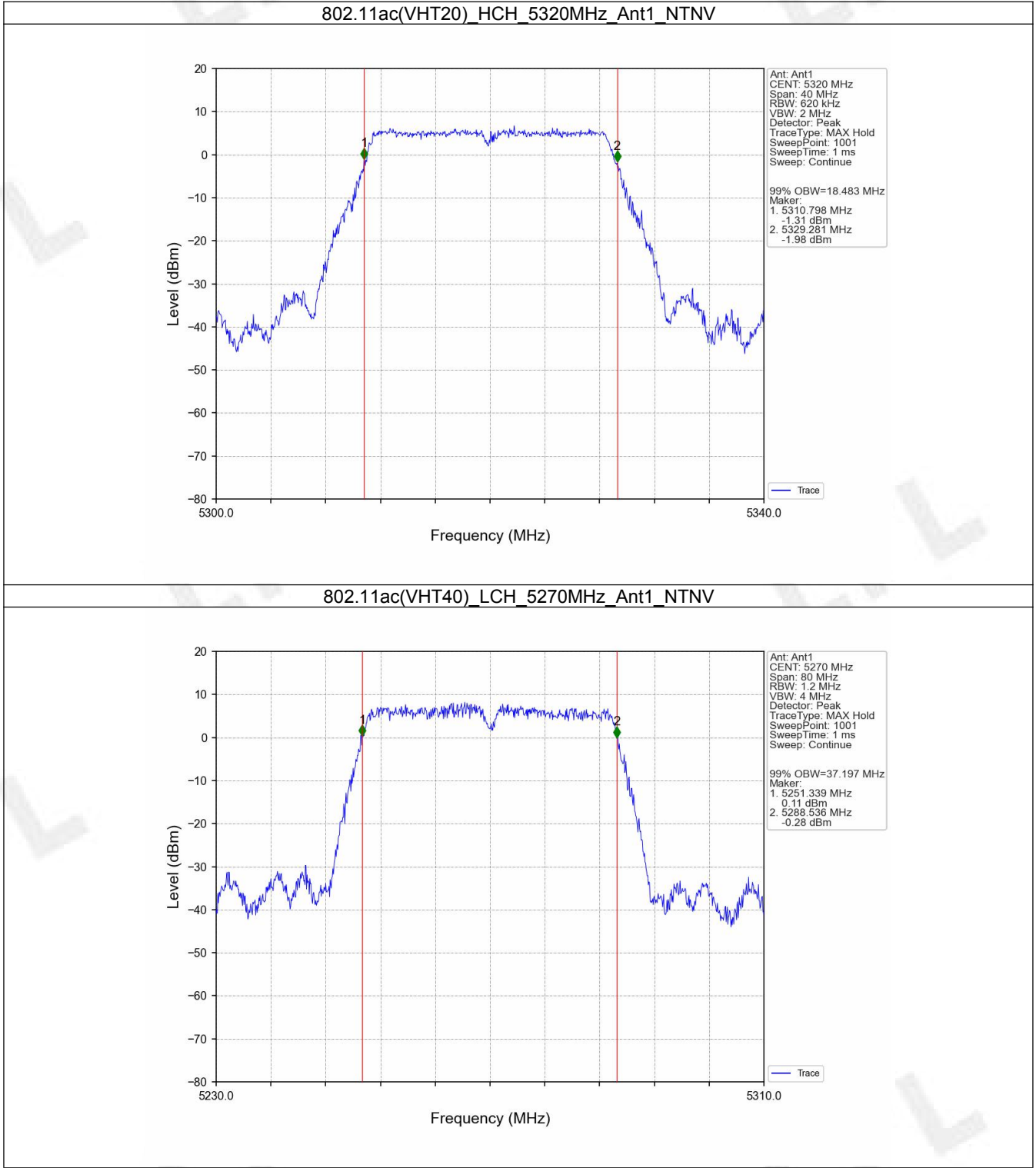
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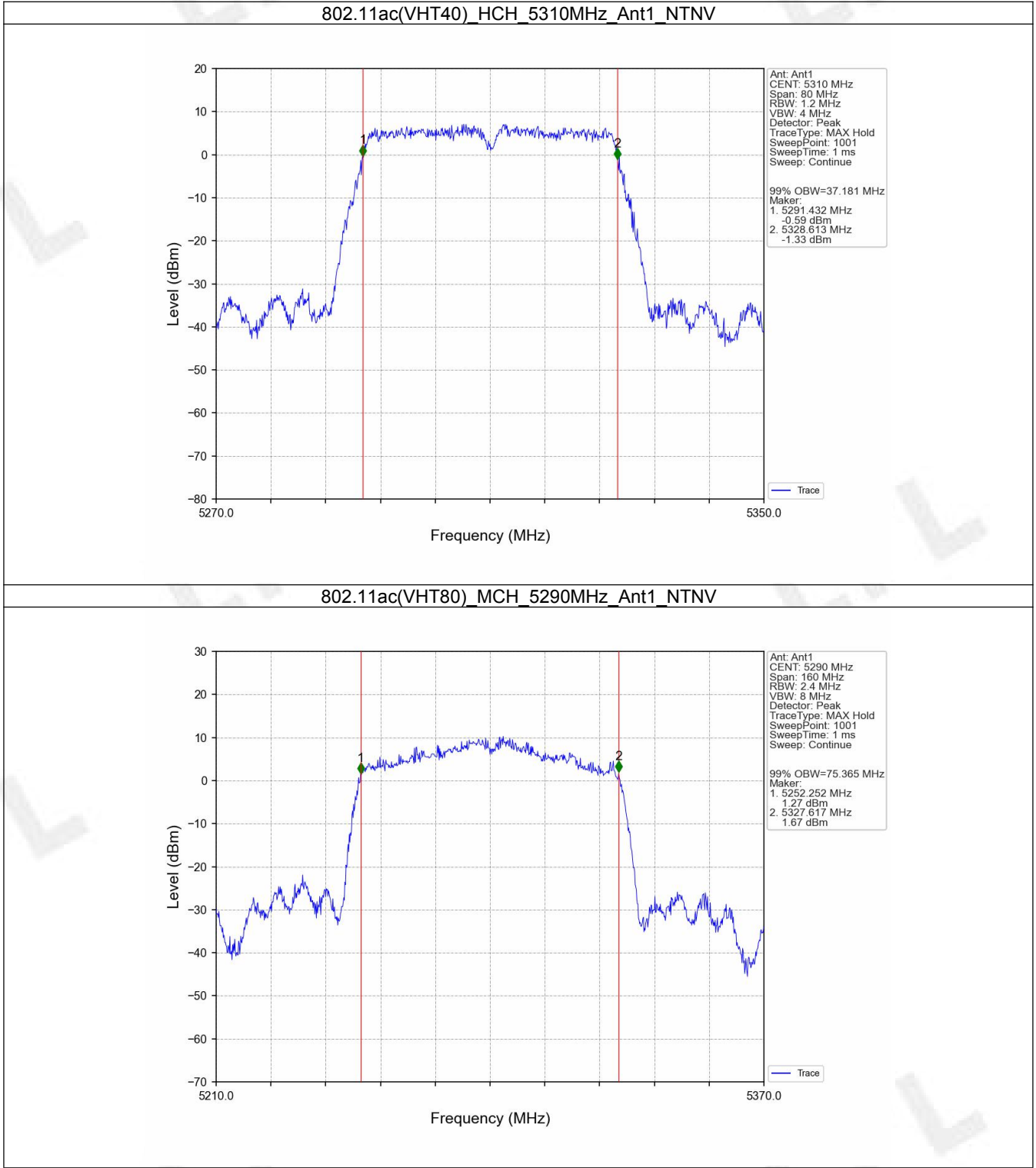
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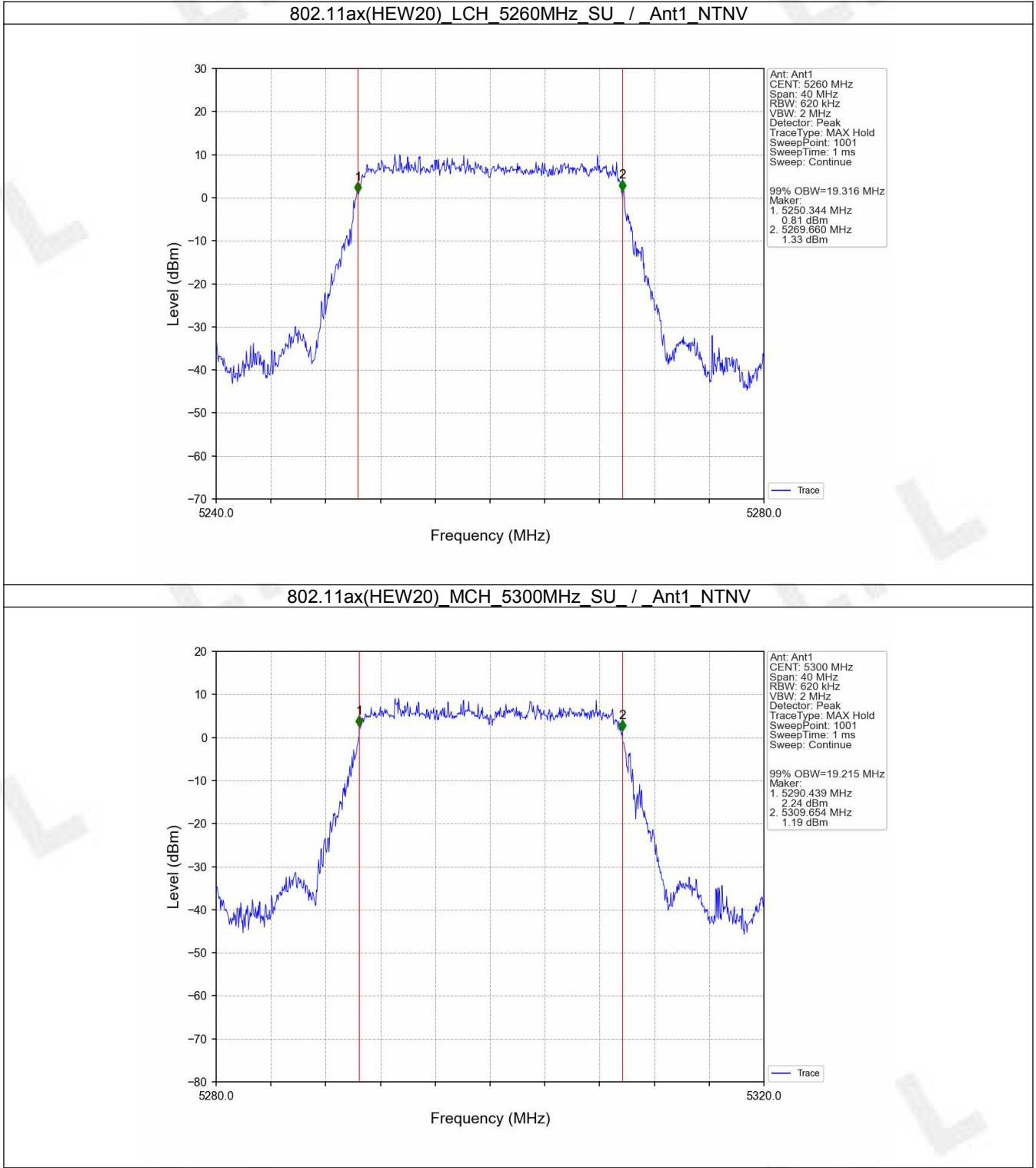
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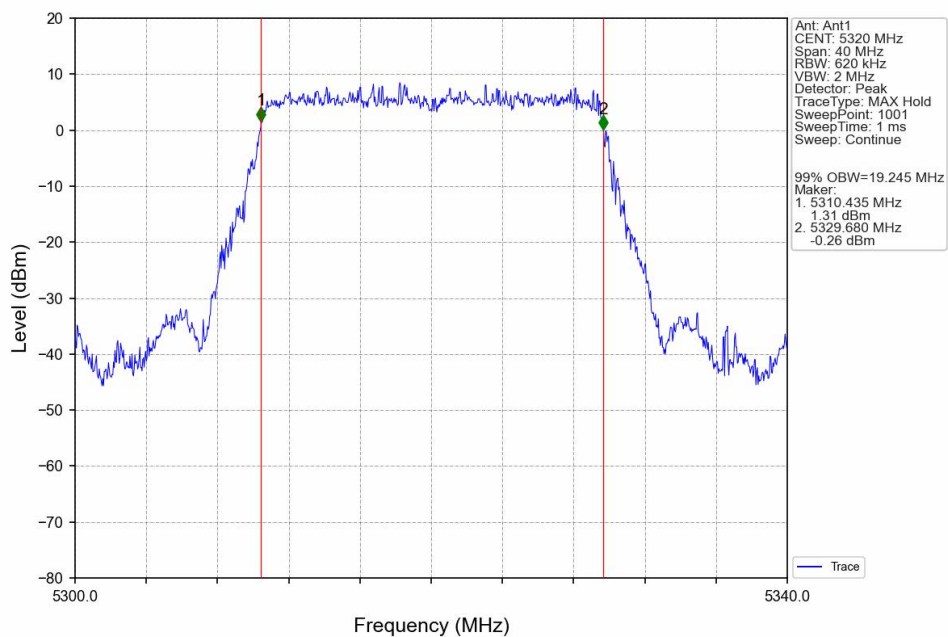


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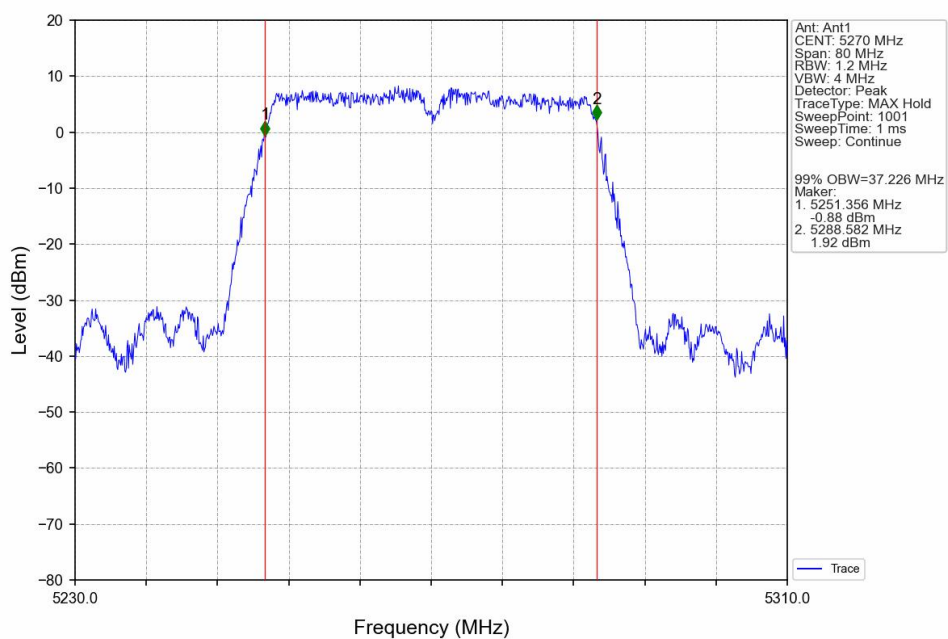


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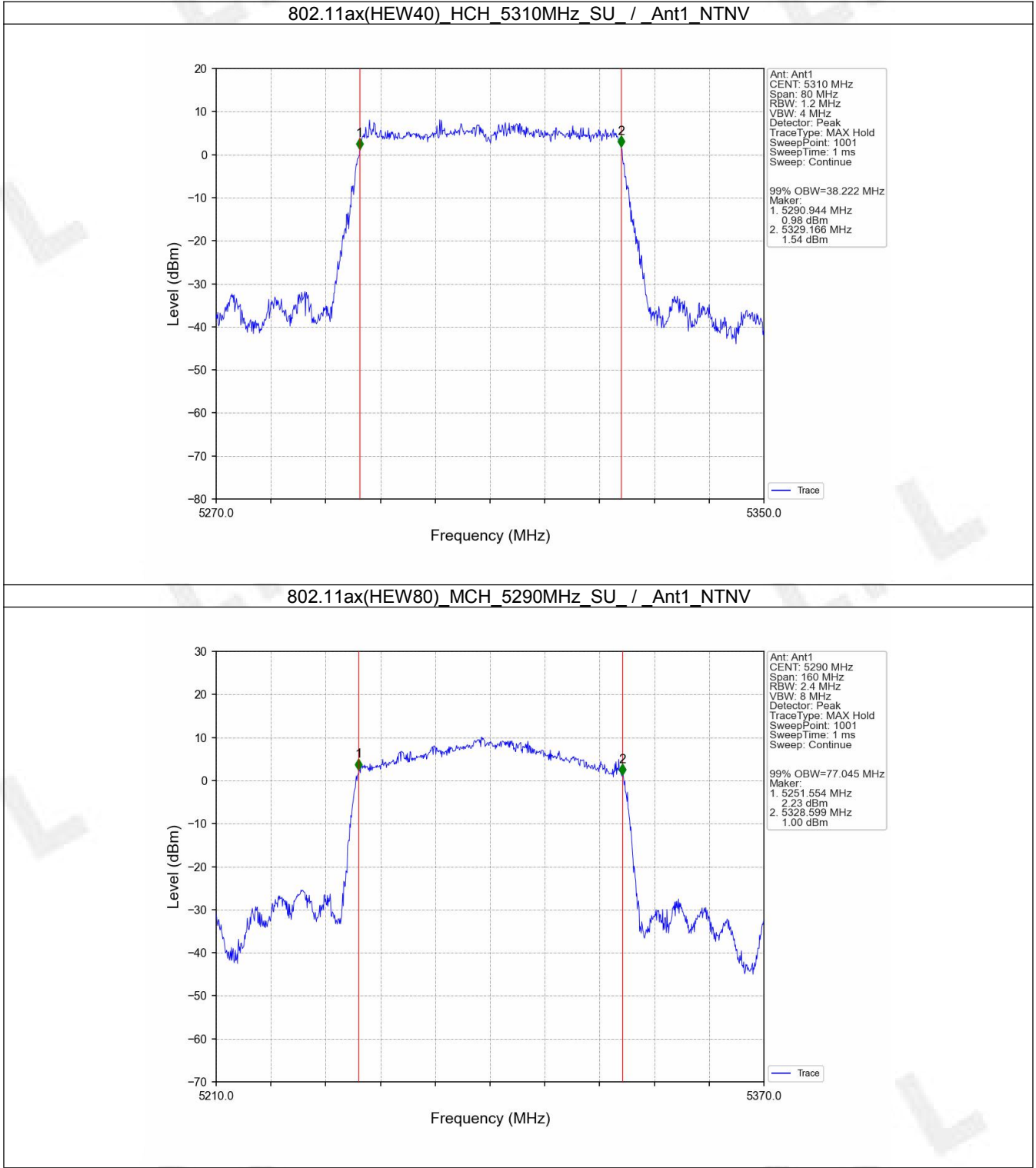
802.11ax(HEW20)_HCH_5320MHz_SU_ / Ant1_NTNV



802.11ax(HEW40)_LCH_5270MHz_SU_ / Ant1_NTNV

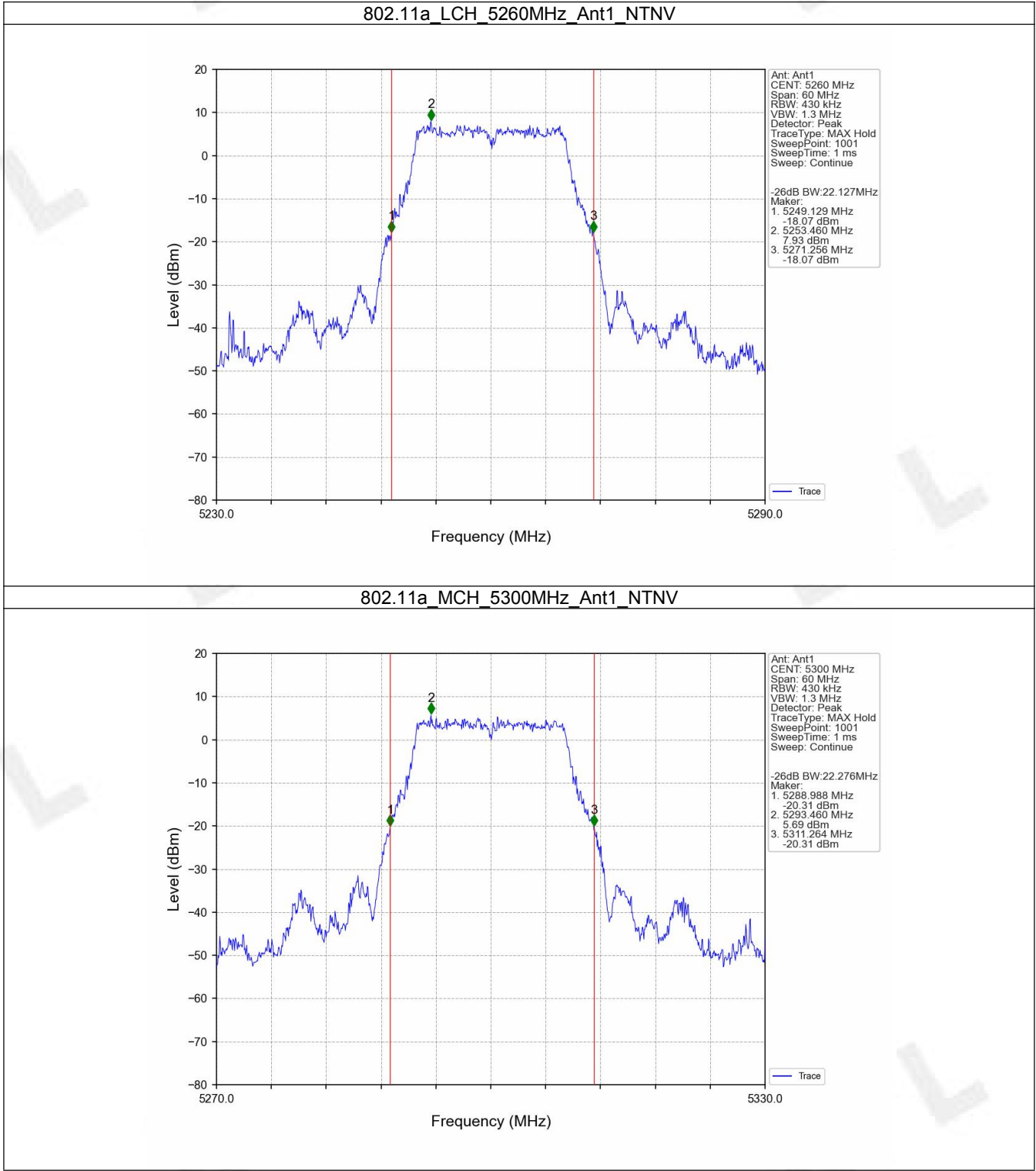


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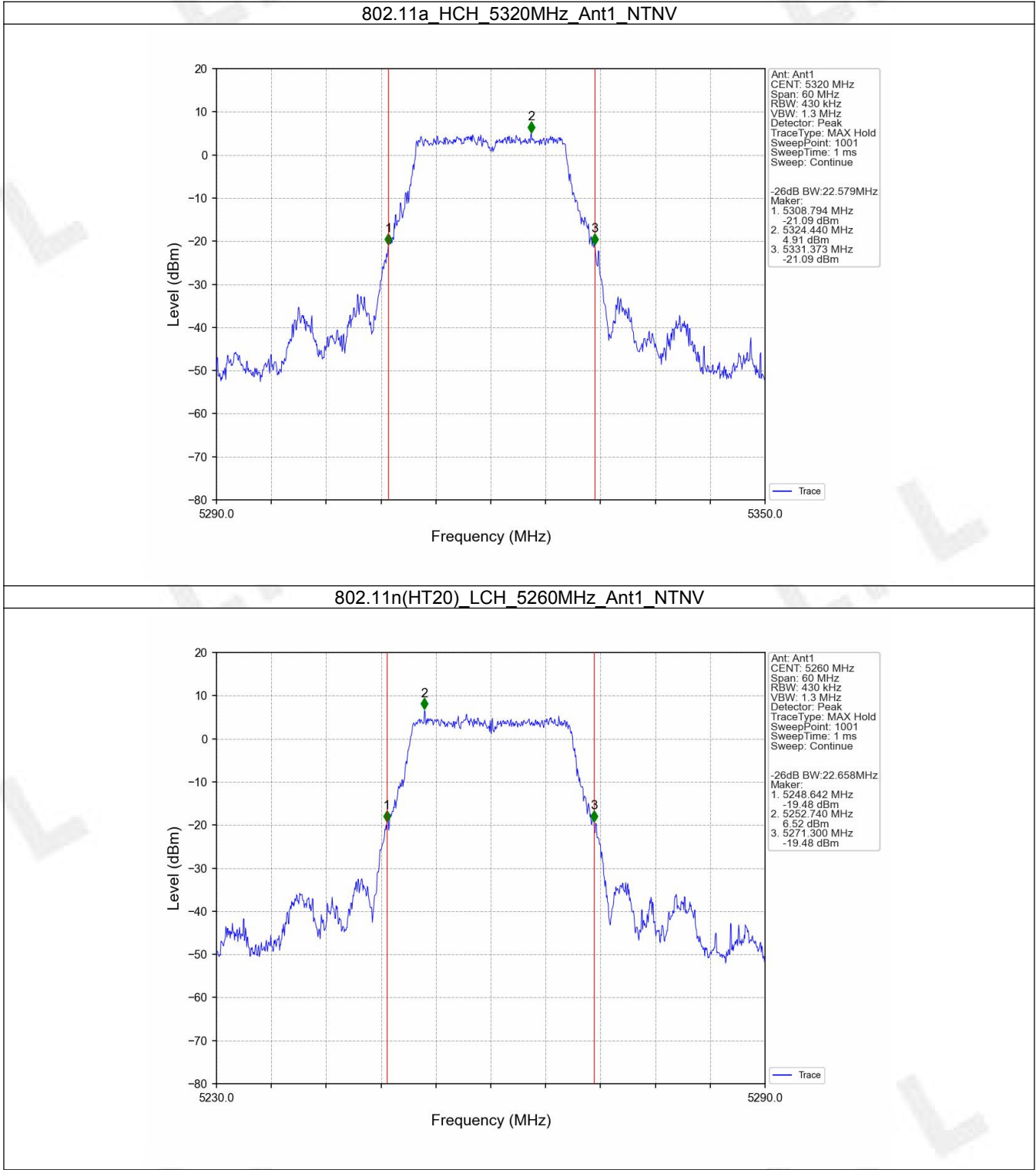


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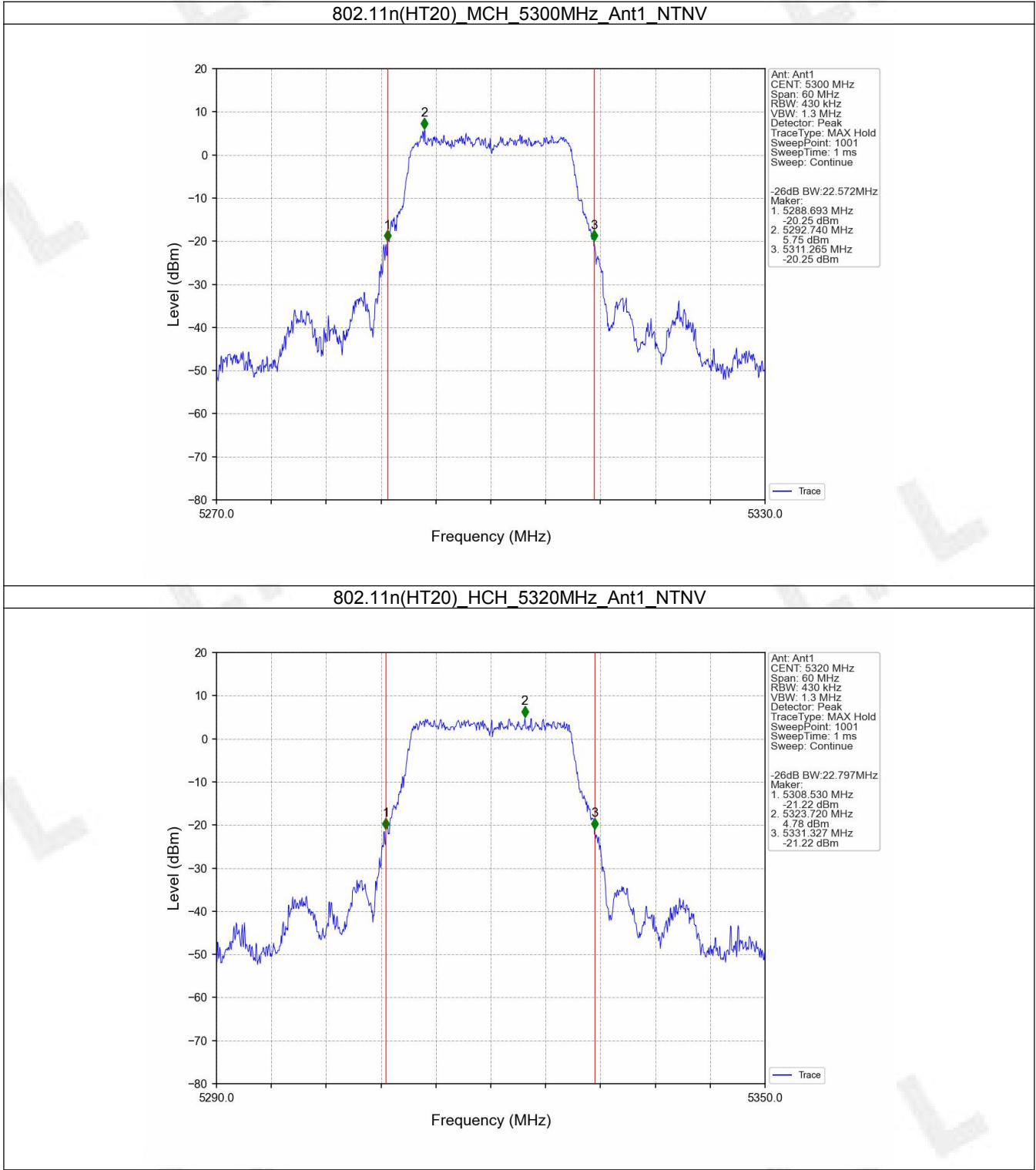
2.2.2 26dB BW



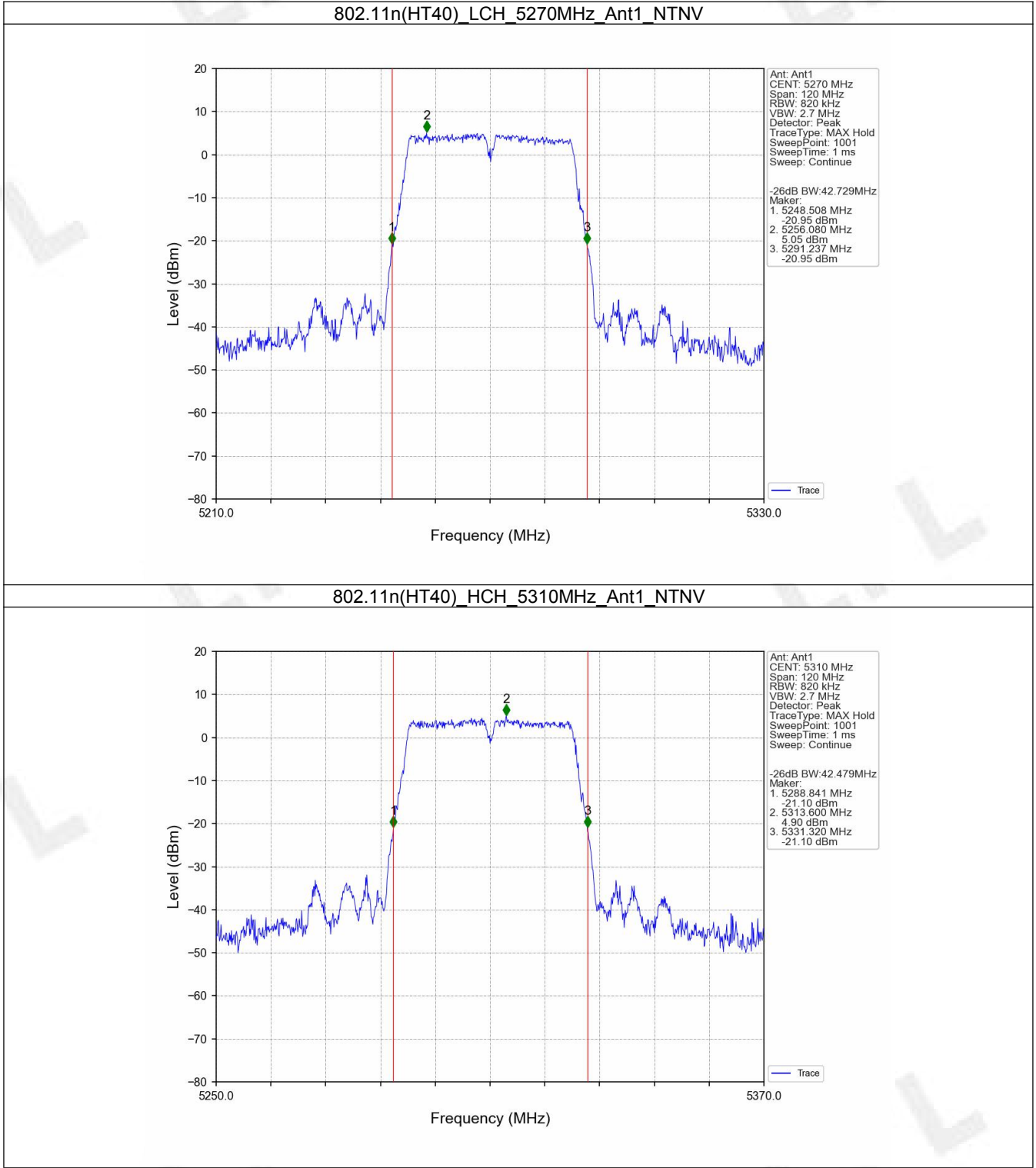
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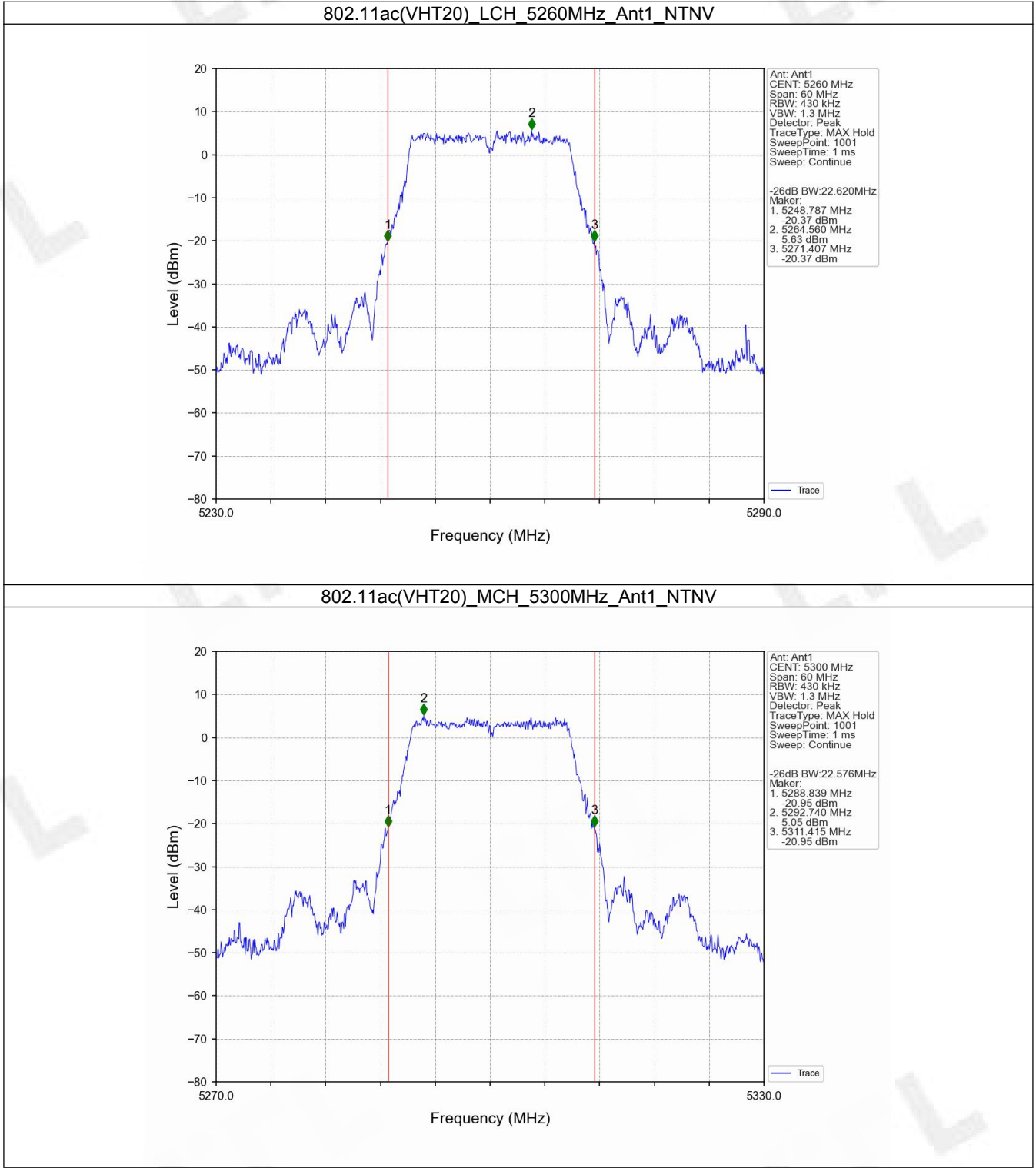
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FCC ID: SMQUWM2

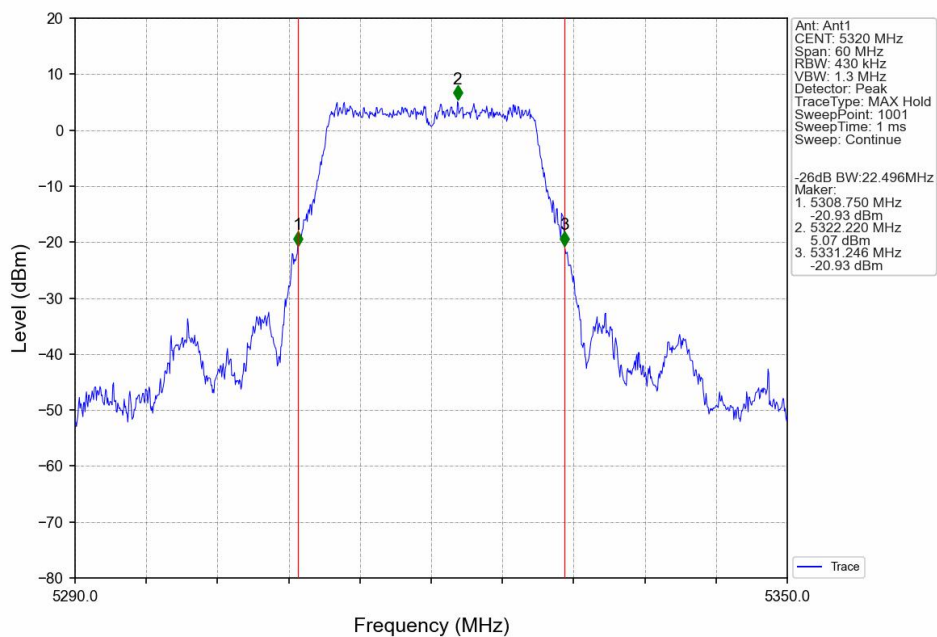


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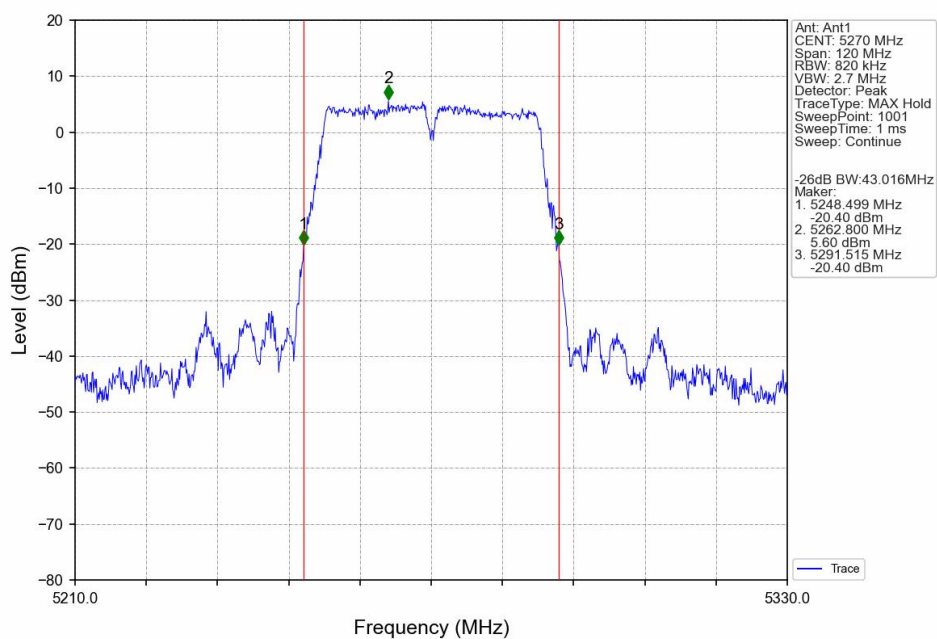


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802.11ac(VHT20)_HCH_5320MHz_Ant1_NTNV



802.11ac(VHT40)_LCH_5270MHz_Ant1_NTNV



FCC ID: SMQUWM2

