



Shenzhen CTL Testing Technology Co., Ltd.

Floor 1-A, Baisha Technology Park, No.3011, Shahexi Road, Nanshan District, Shenzhen, China 518055

Tel: +86-755-89486194 E-mail: ctl@ctl-lab.com

Annex for 5G Wi-Fi BAND 2C

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..... 17

 2.1 Test Result..... 17

 2.1.1 OBW..... 17

 2.1.2 26dB BW..... 17

 2.2 Test Graph..... 19

 2.2.1 OBW..... 19

 2.2.2 26dB BW..... 32

3. Maximum Conducted Output Power..... 45

 3.1 Test Result..... 45

FCC ID: SMQUWM2

3.1.1 Power.....	45
3.2 Test Graph.....	46
3.2.1 Power.....	46
4. Maximum Power Spectral Density.....	59
4.1 Test Result.....	59
4.1.1 PSD.....	59
4.2 Test Graph.....	60
4.2.1 PSD.....	60
5. Frequency Stability.....	73
5.1 Test Result.....	73
5.1.1 Ant1.....	73

FCC ID: SMQUWM2

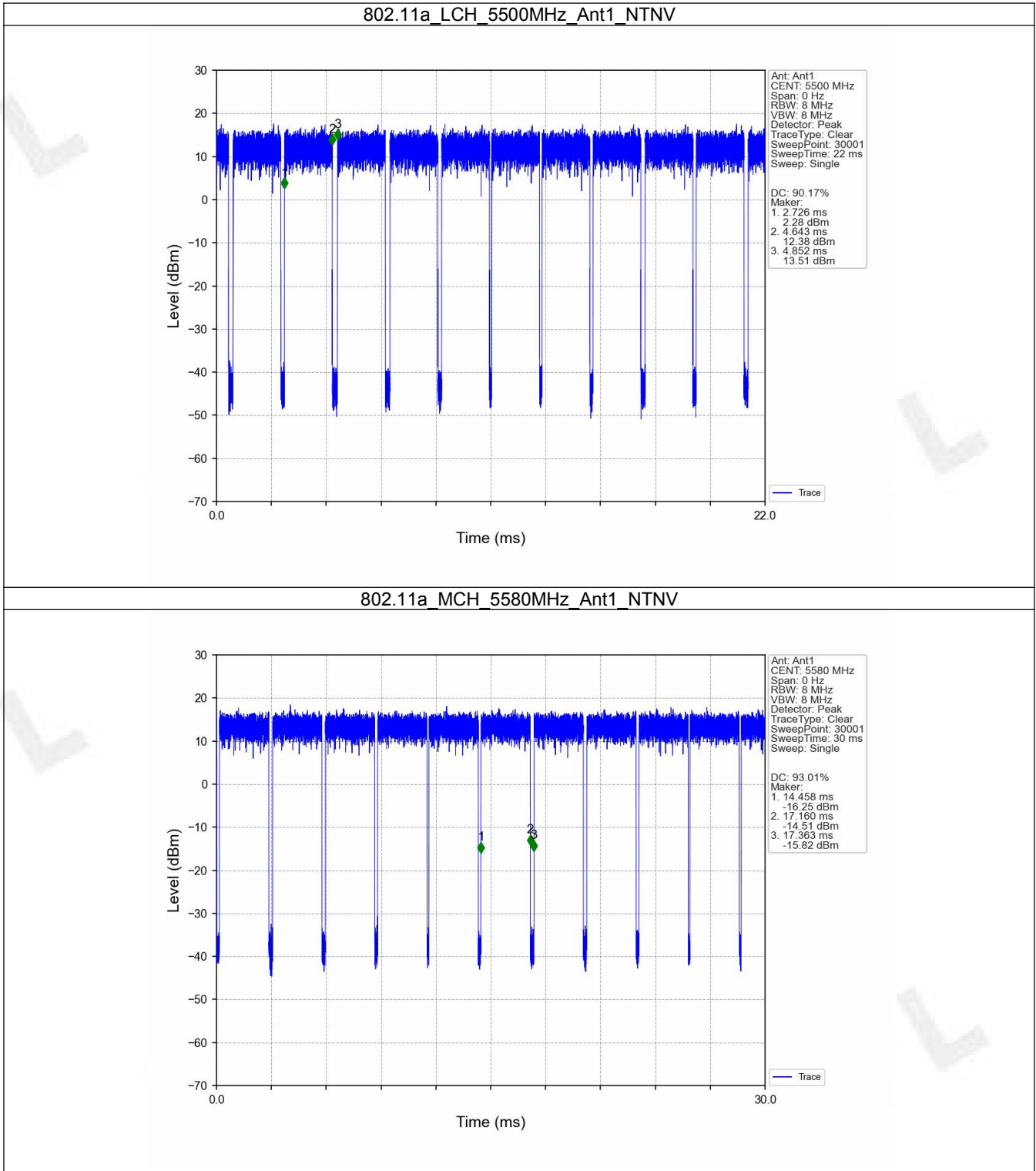
1. Duty Cycle**1.1 Test Result****1.1.1 Ant1**

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	5500	/	/	1.917	2.126	90.17	0.45	5.30
		5580	/	/	2.702	2.905	93.01	0.31	3.94
		5700	/	/	2.701	2.886	93.59	0.29	3.68
802.11n (HT20)	SISO	5500	/	/	2.508	2.698	92.96	0.32	3.19
		5580	/	/	2.515	2.708	92.87	0.32	4.18
		5700	/	/	2.514	2.725	92.26	0.35	3.17
802.11n (HT40)	SISO	5510	/	/	1.232	1.425	86.46	0.63	5.83
		5550	/	/	1.232	1.381	89.21	0.50	4.94
		5670	/	/	1.232	1.426	86.40	0.64	7.74
802.11ac (VHT20)	SISO	5500	/	/	2.522	2.734	92.25	0.35	3.16
		5580	/	/	2.522	2.724	92.58	0.33	4.49
		5700	/	/	2.522	2.707	93.17	0.31	2.88
802.11ac (VHT40)	SISO	5510	/	/	1.228	1.444	85.04	0.70	6.87
		5550	/	/	1.236	1.402	88.16	0.55	6.05
		5670	/	/	1.236	1.439	85.89	0.66	8.25
802.11ac (VHT80)	SISO	5530	/	/	0.489	0.641	76.29	1.18	9.66
		5610	/	/	0.595	0.806	73.82	1.32	12.53
802.11ax (HEW20)	SISO	5500	SU	/	1.916	2.134	89.78	0.47	3.16
		5580	SU	/	1.917	2.134	89.83	0.47	5.22
		5700	SU	/	1.917	2.125	90.21	0.45	4.41
802.11ax (HEW40)	SISO	5510	SU	/	0.979	1.186	82.55	0.83	9.08
		5550	SU	/	0.979	1.185	82.62	0.83	9.05
		5670	SU	/	0.978	1.176	83.16	0.80	9.22
802.11ax (HEW80)	SISO	5530	SU	/	0.489	0.650	75.23	1.24	10.72
		5610	SU	/	0.490	0.695	70.50	1.52	14.23

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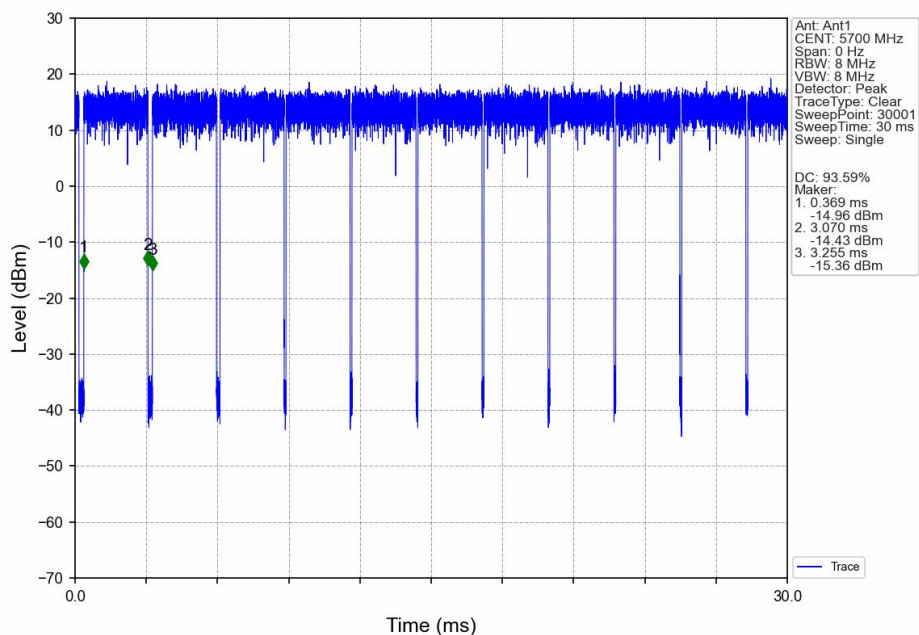
1.2 Test Graph

1.2.1 Ant1

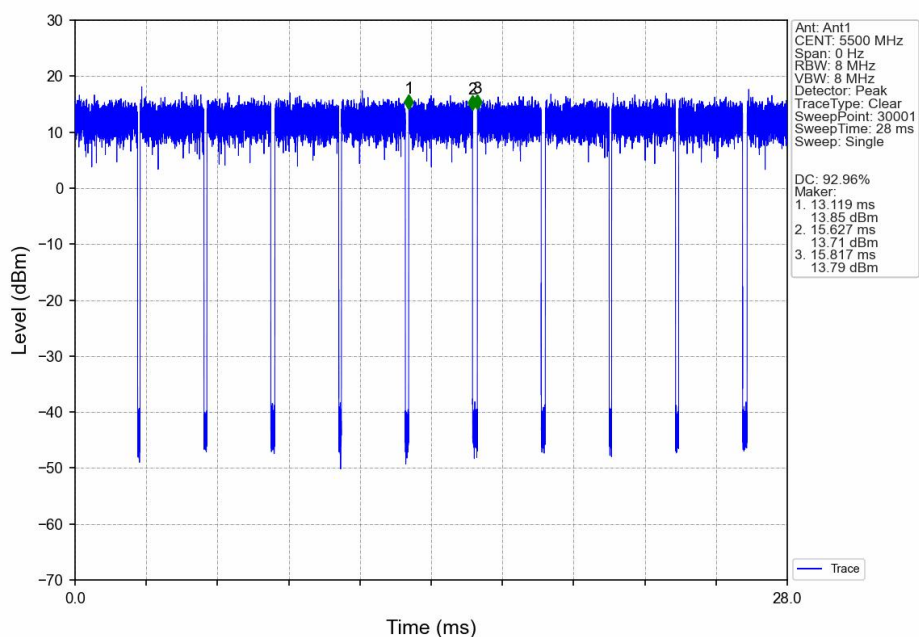


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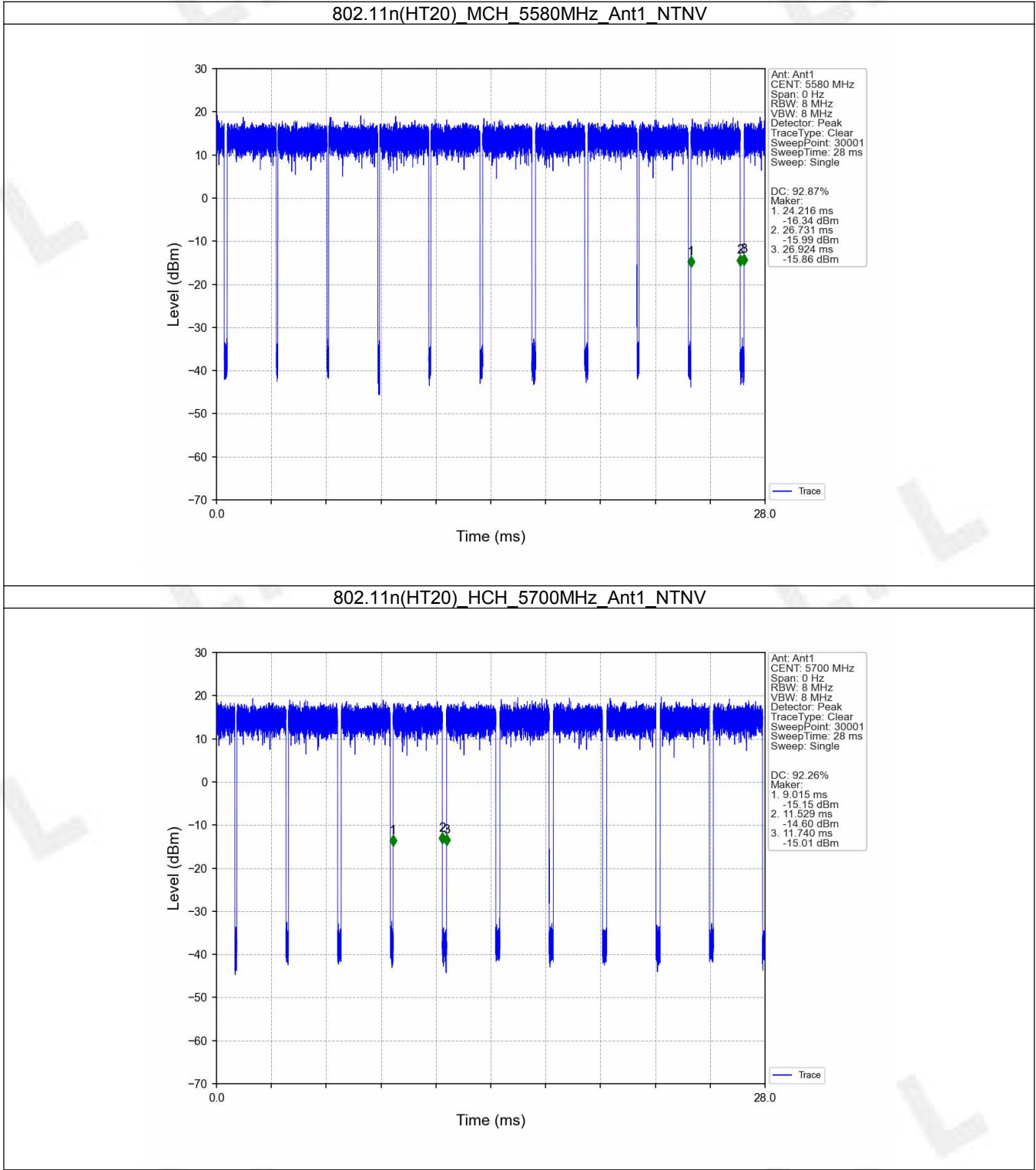
802.11a_HCH_5700MHz_Ant1_NTNV



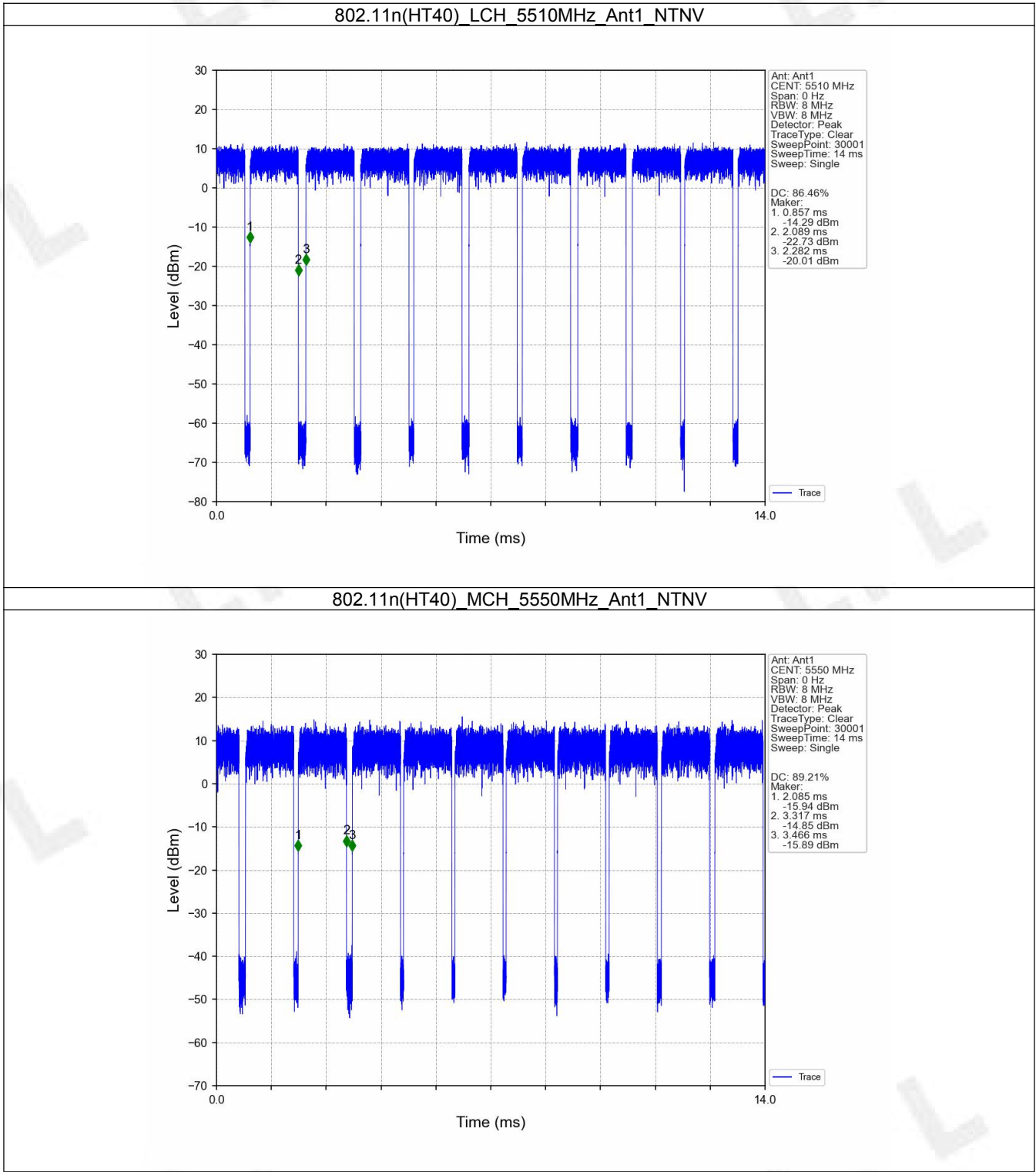
802.11n(HT20)_LCH_5500MHz_Ant1_NTNV



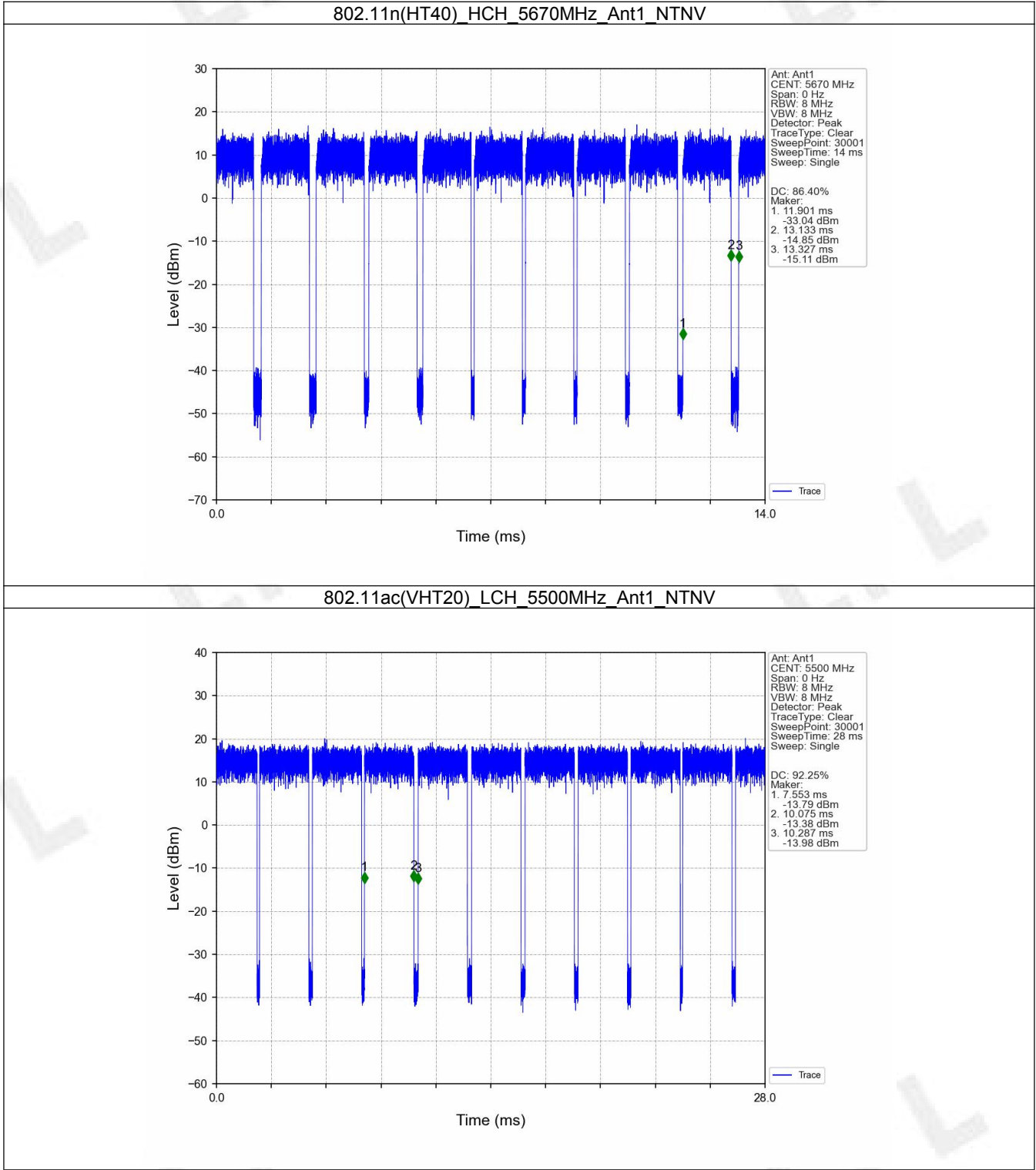
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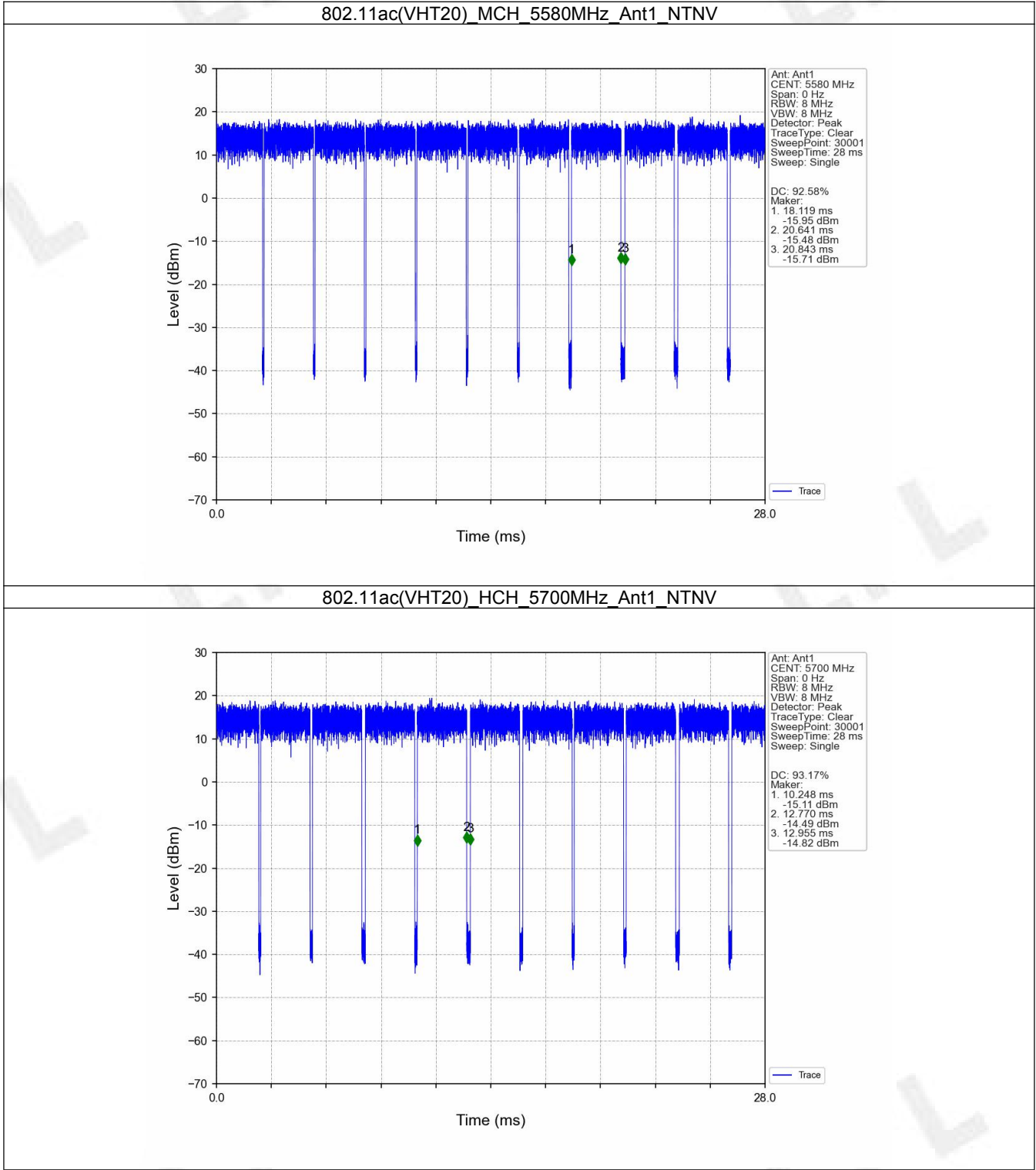
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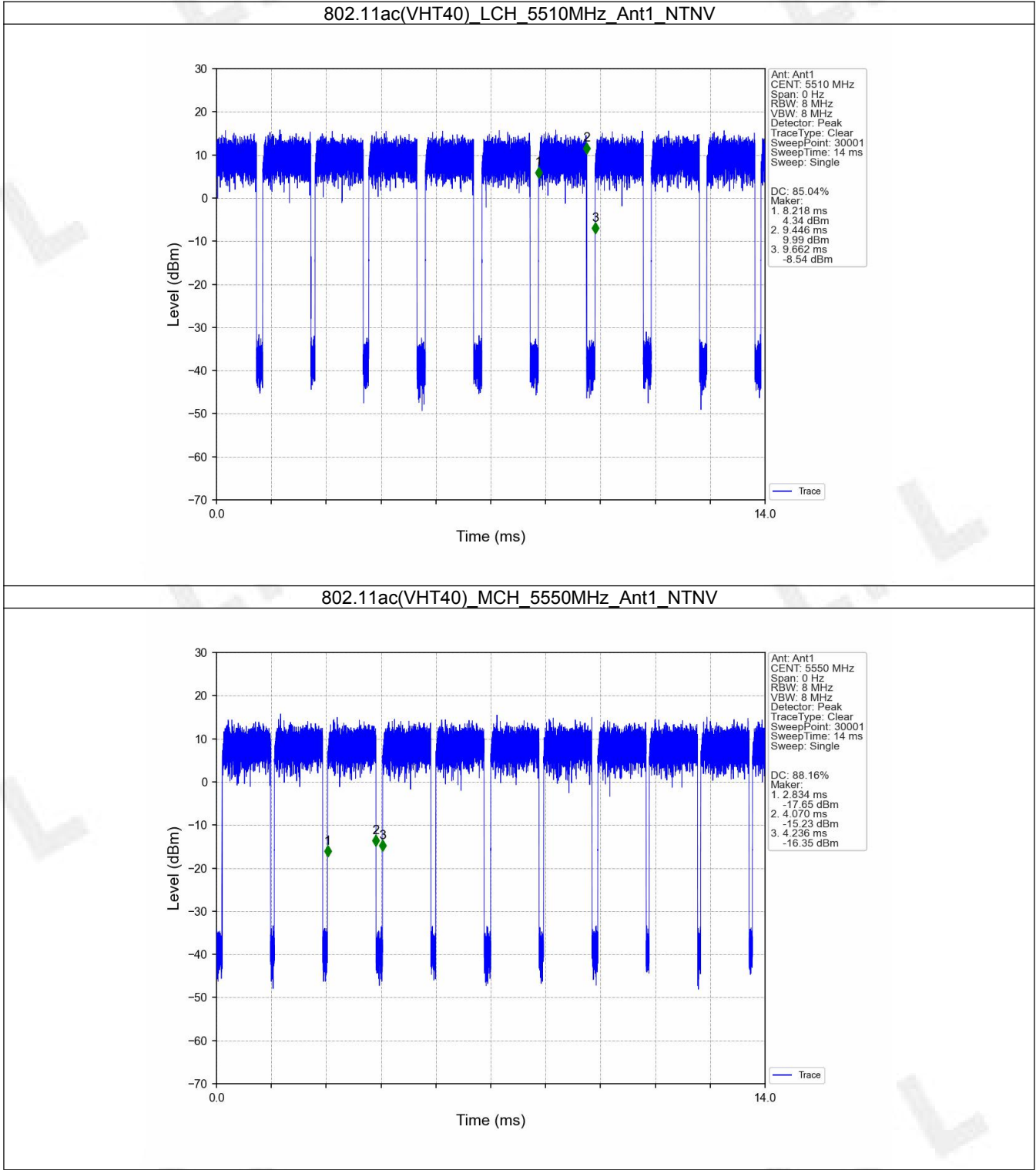
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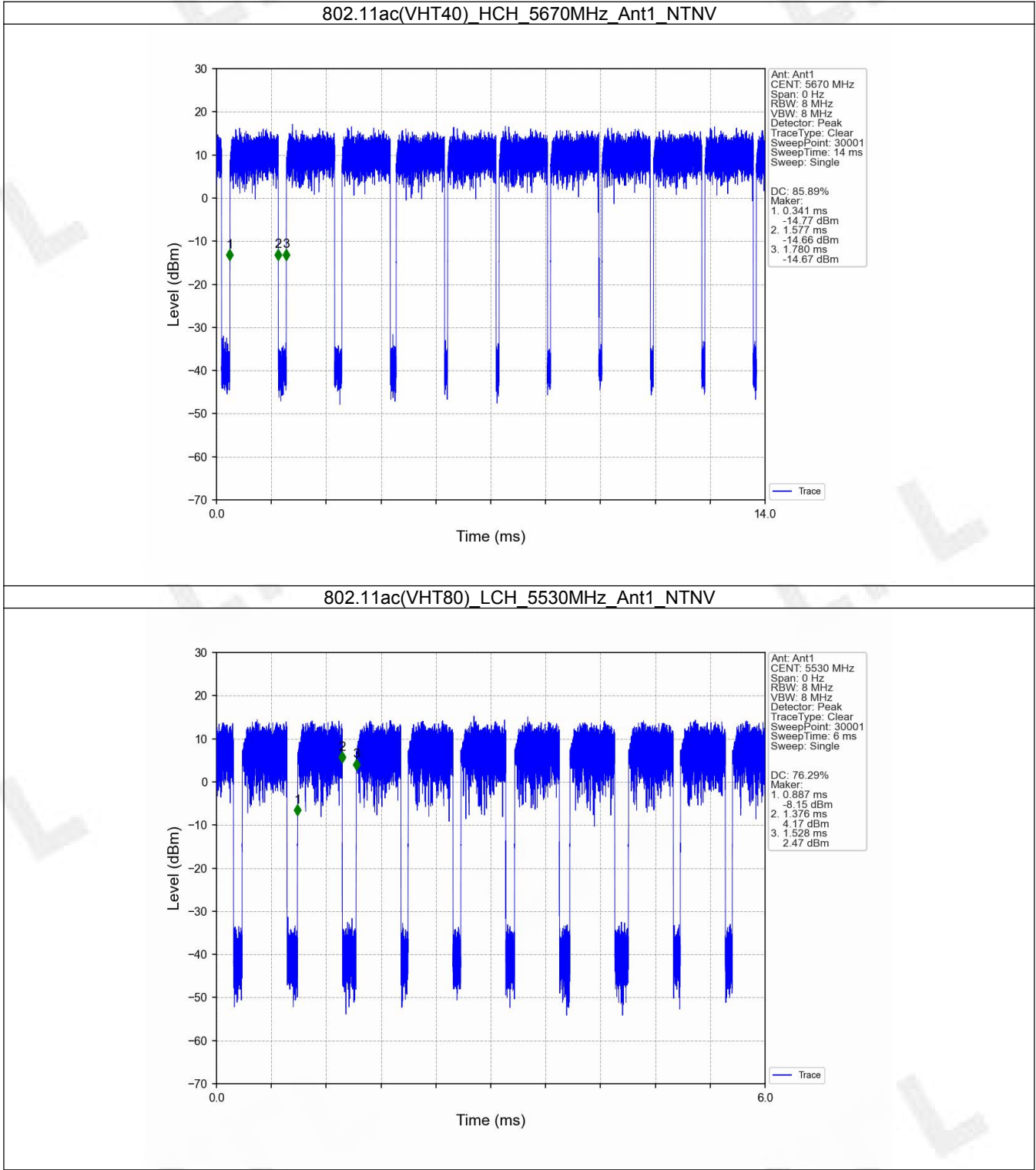
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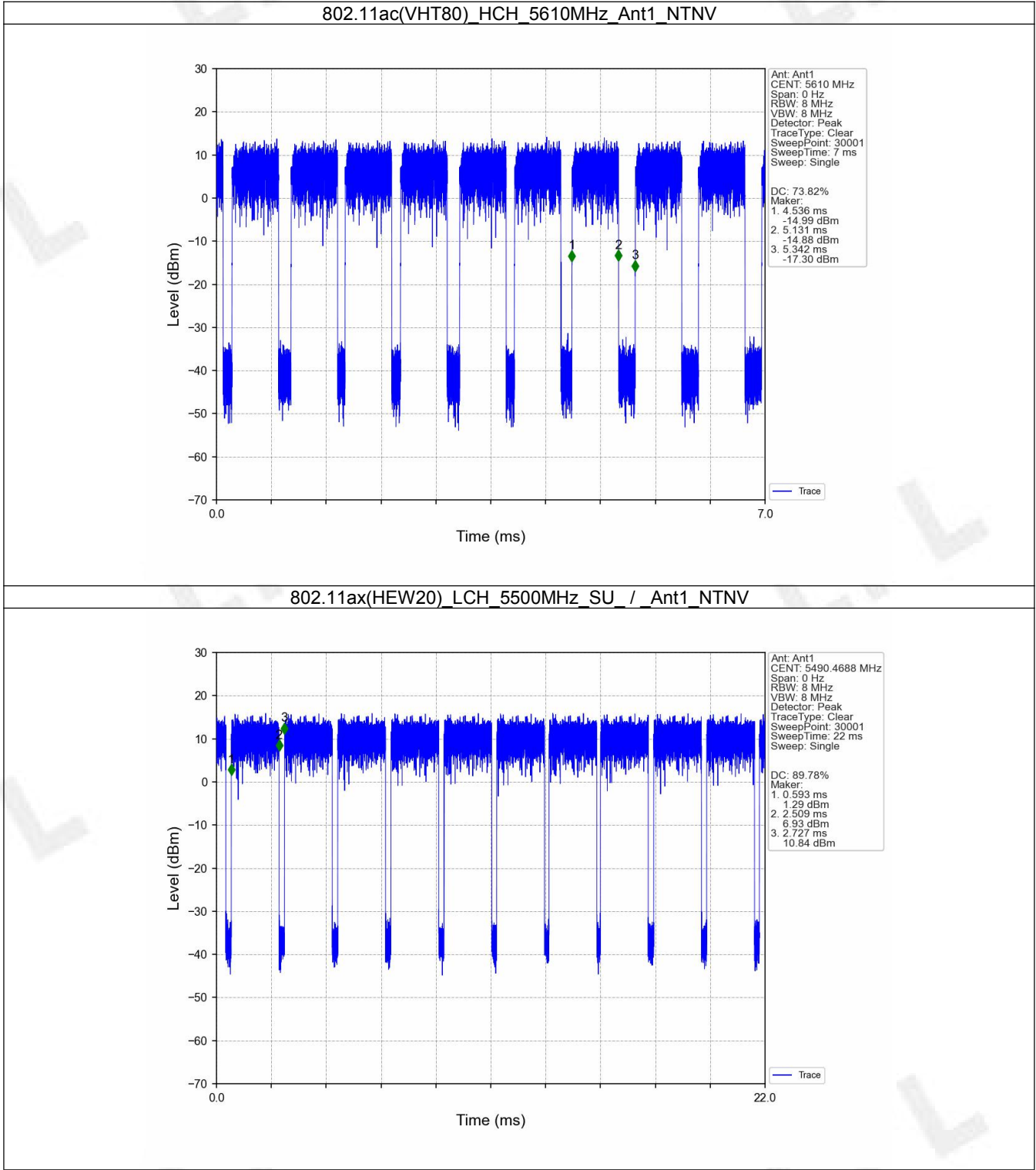
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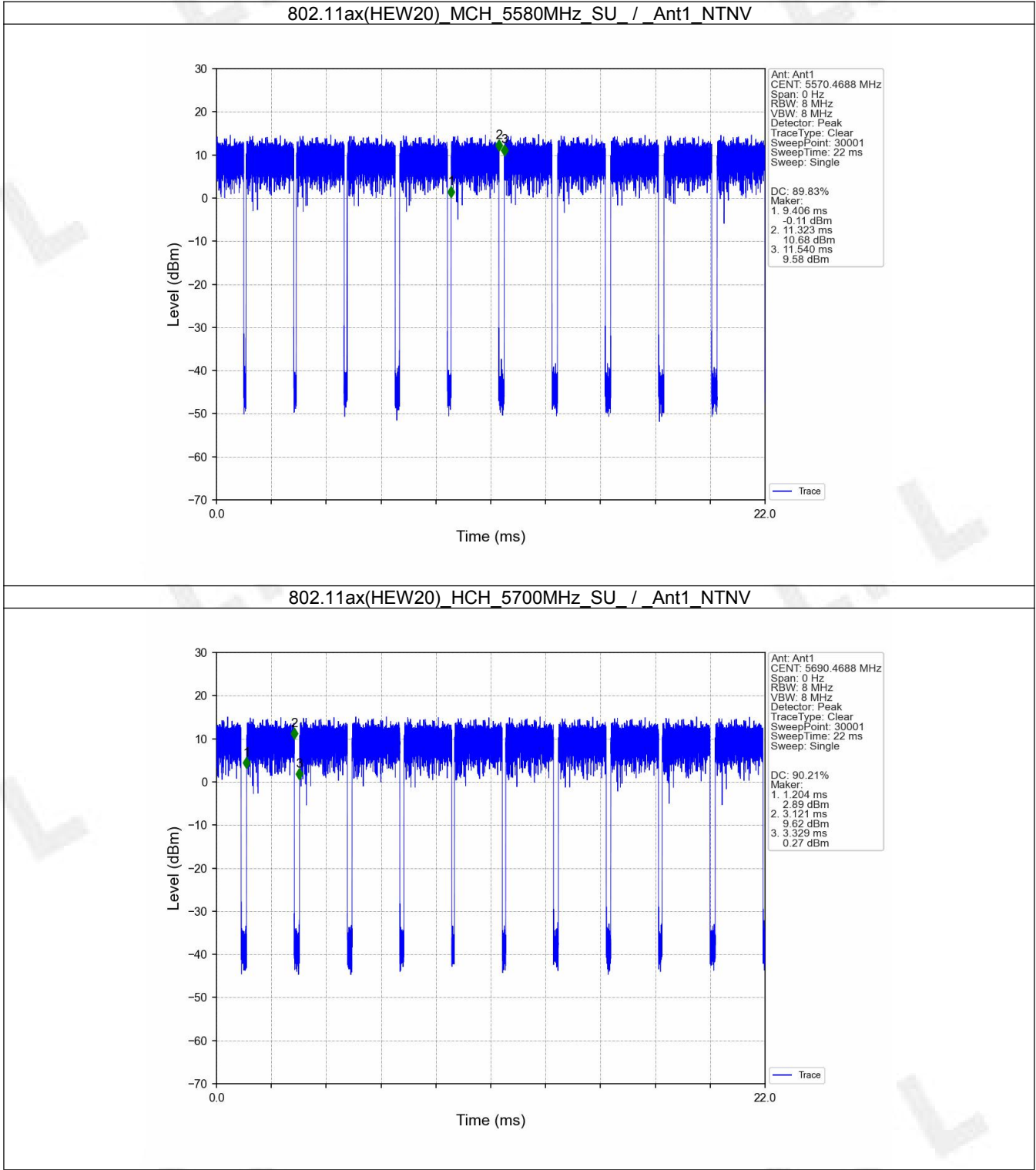
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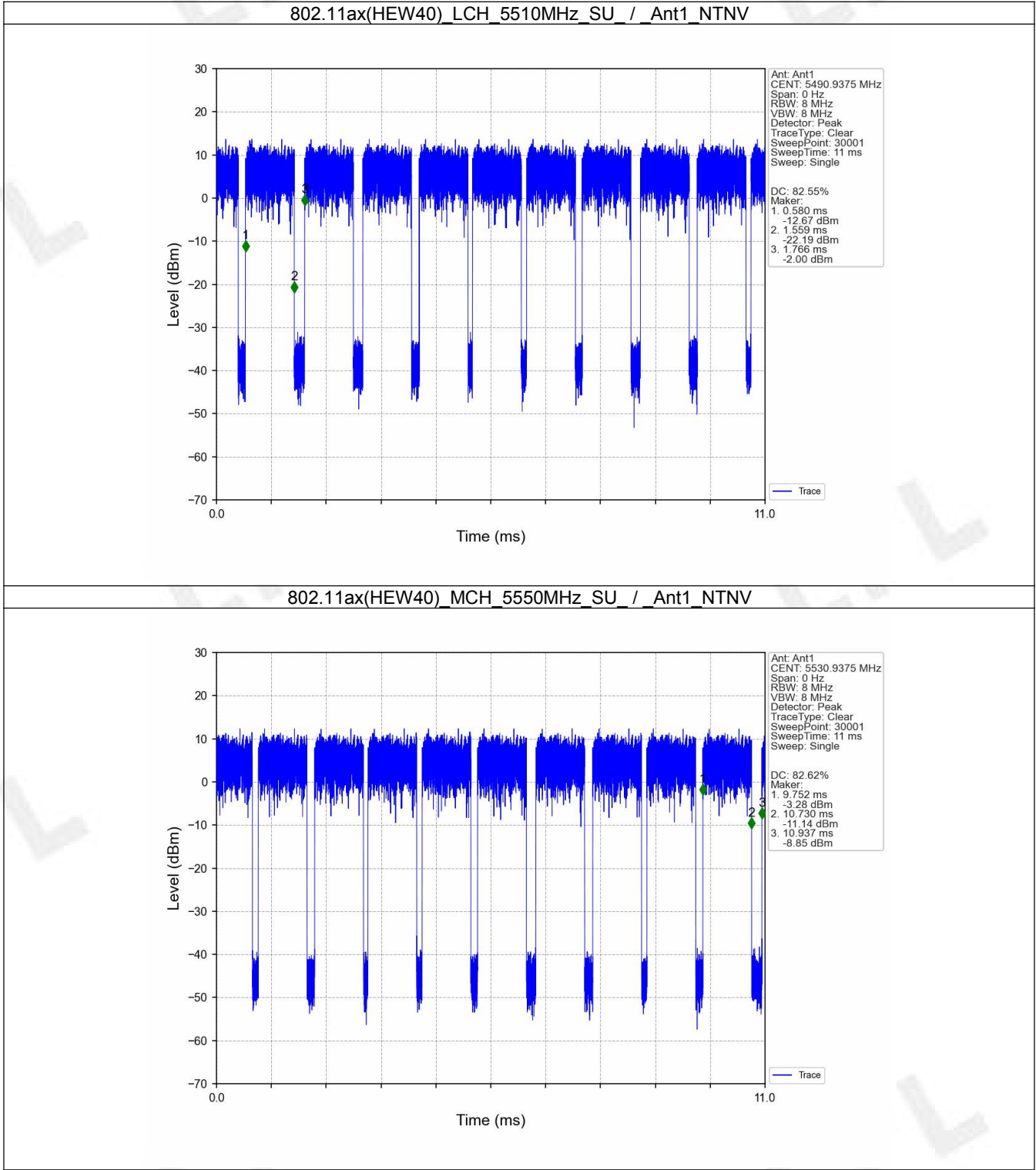
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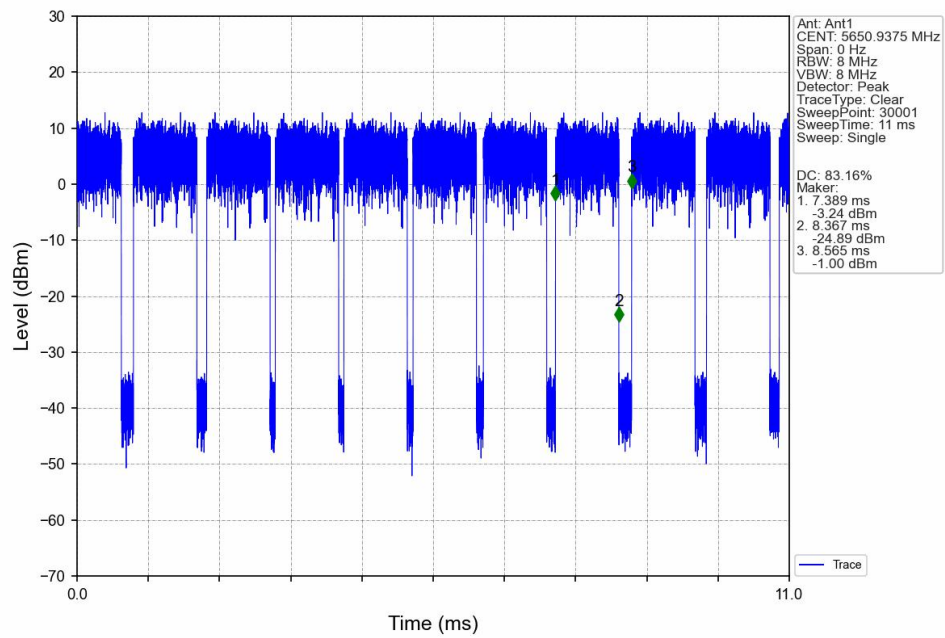


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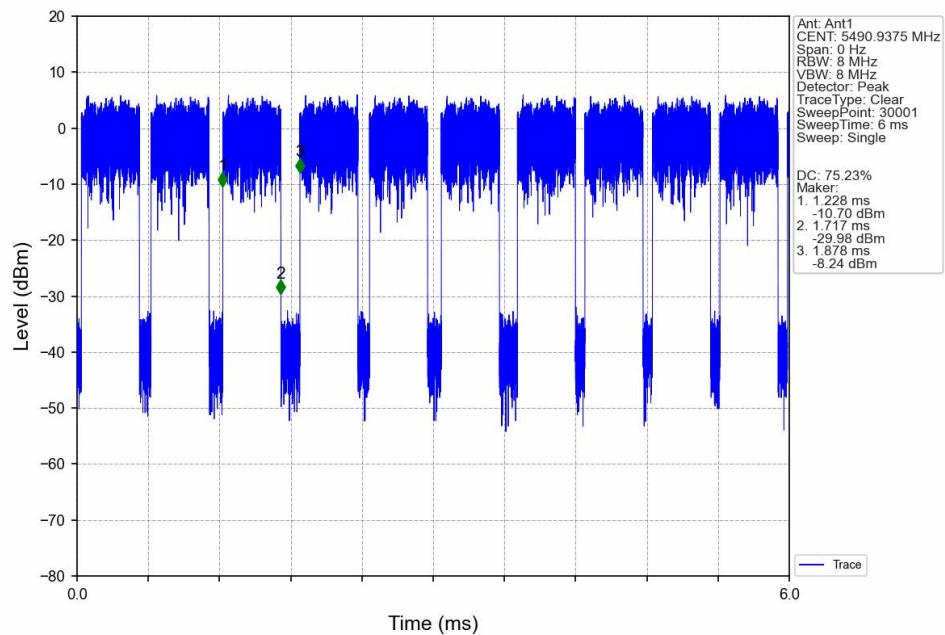


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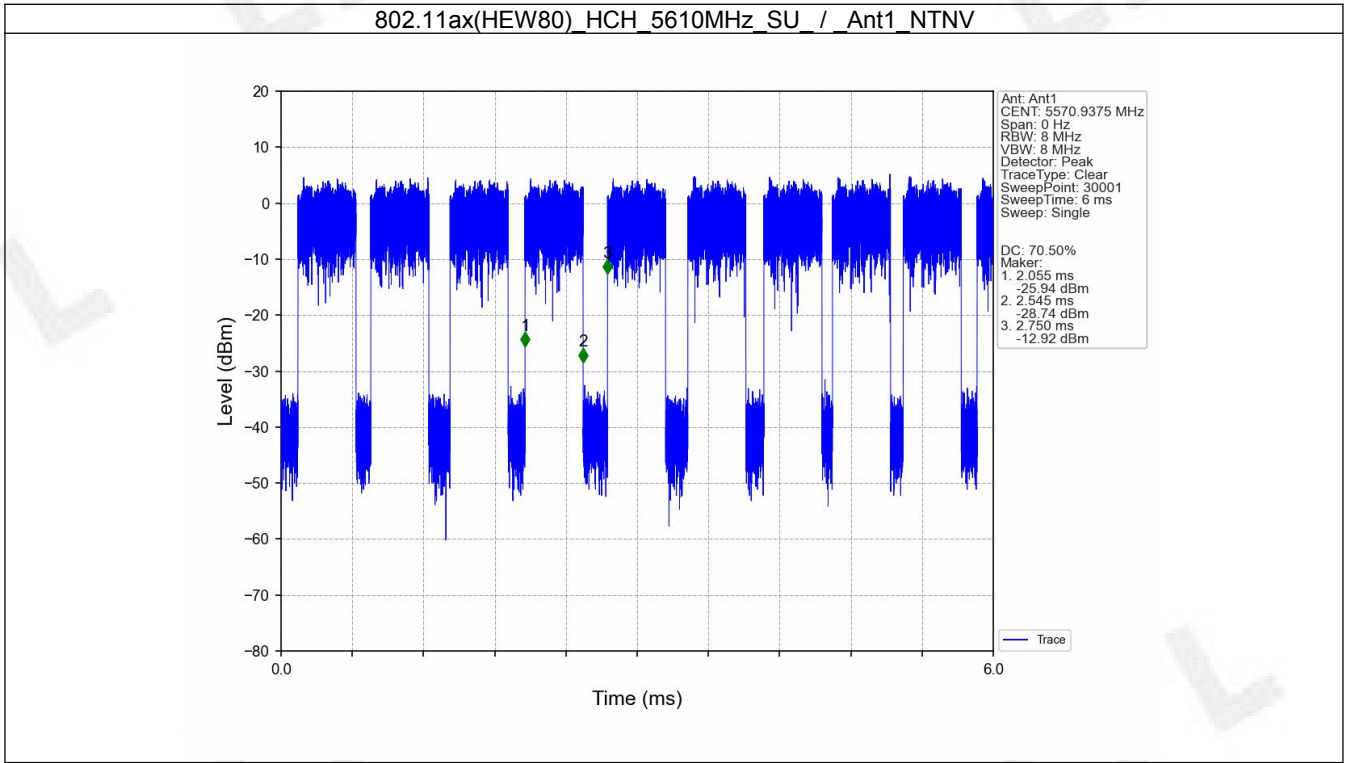
802.11ax(HEW40)_HCH_5670MHz_SU_ / Ant1_NTNV



802.11ax(HEW80)_LCH_5530MHz_SU_ / Ant1_NTNV



FCC ID: SMQUWM2



FCC ID: SMQUWM2

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	5500	/	/	1	19.175	/	Pass
		5580	/	/	1	17.597	/	Pass
		5700	/	/	1	17.530	/	Pass
802.11n (HT20)	SISO	5500	/	/	1	18.474	/	Pass
		5580	/	/	1	18.519	/	Pass
		5700	/	/	1	18.519	/	Pass
802.11n (HT40)	SISO	5510	/	/	1	37.224	/	Pass
		5550	/	/	1	37.347	/	Pass
		5670	/	/	1	37.244	/	Pass
802.11ac (VHT20)	SISO	5500	/	/	1	18.494	/	Pass
		5580	/	/	1	18.501	/	Pass
		5700	/	/	1	18.503	/	Pass
802.11ac (VHT40)	SISO	5510	/	/	1	37.310	/	Pass
		5550	/	/	1	37.126	/	Pass
		5670	/	/	1	37.154	/	Pass
802.11ac (VHT80)	SISO	5530	/	/	1	77.366	/	Pass
		5610	/	/	1	75.448	/	Pass
802.11ax (HEW20)	SISO	5500	SU	/	1	19.295	/	Pass
		5580	SU	/	1	19.227	/	Pass
		5700	SU	/	1	19.363	/	Pass
802.11ax (HEW40)	SISO	5510	SU	/	1	38.373	/	Pass
		5550	SU	/	1	38.383	/	Pass
		5670	SU	/	1	38.201	/	Pass
802.11ax (HEW80)	SISO	5530	SU	/	1	77.280	/	Pass
		5610	SU	/	1	77.243	/	Pass

2.1.2 26dB BW

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	26dB Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	SISO	5500	/	/	1	21.960	/	Pass
		5580	/	/	1	21.906	/	Pass
		5700	/	/	1	22.188	/	Pass
802.11n (HT20)	SISO	5500	/	/	1	22.861	/	Pass
		5580	/	/	1	22.986	/	Pass
		5700	/	/	1	23.109	/	Pass
802.11n (HT40)	SISO	5510	/	/	1	42.873	/	Pass
		5550	/	/	1	42.853	/	Pass
		5670	/	/	1	42.509	/	Pass
802.11ac (VHT20)	SISO	5500	/	/	1	22.797	/	Pass
		5580	/	/	1	22.783	/	Pass
		5700	/	/	1	22.498	/	Pass
802.11ac (VHT40)	SISO	5510	/	/	1	42.971	/	Pass
		5550	/	/	1	42.836	/	Pass
		5670	/	/	1	42.644	/	Pass
802.11ac (VHT80)	SISO	5530	/	/	1	82.360	/	Pass
		5610	/	/	1	81.563	/	Pass
802.11ax (HEW20)	SISO	5500	SU	/	1	22.323	/	Pass
		5580	SU	/	1	21.887	/	Pass

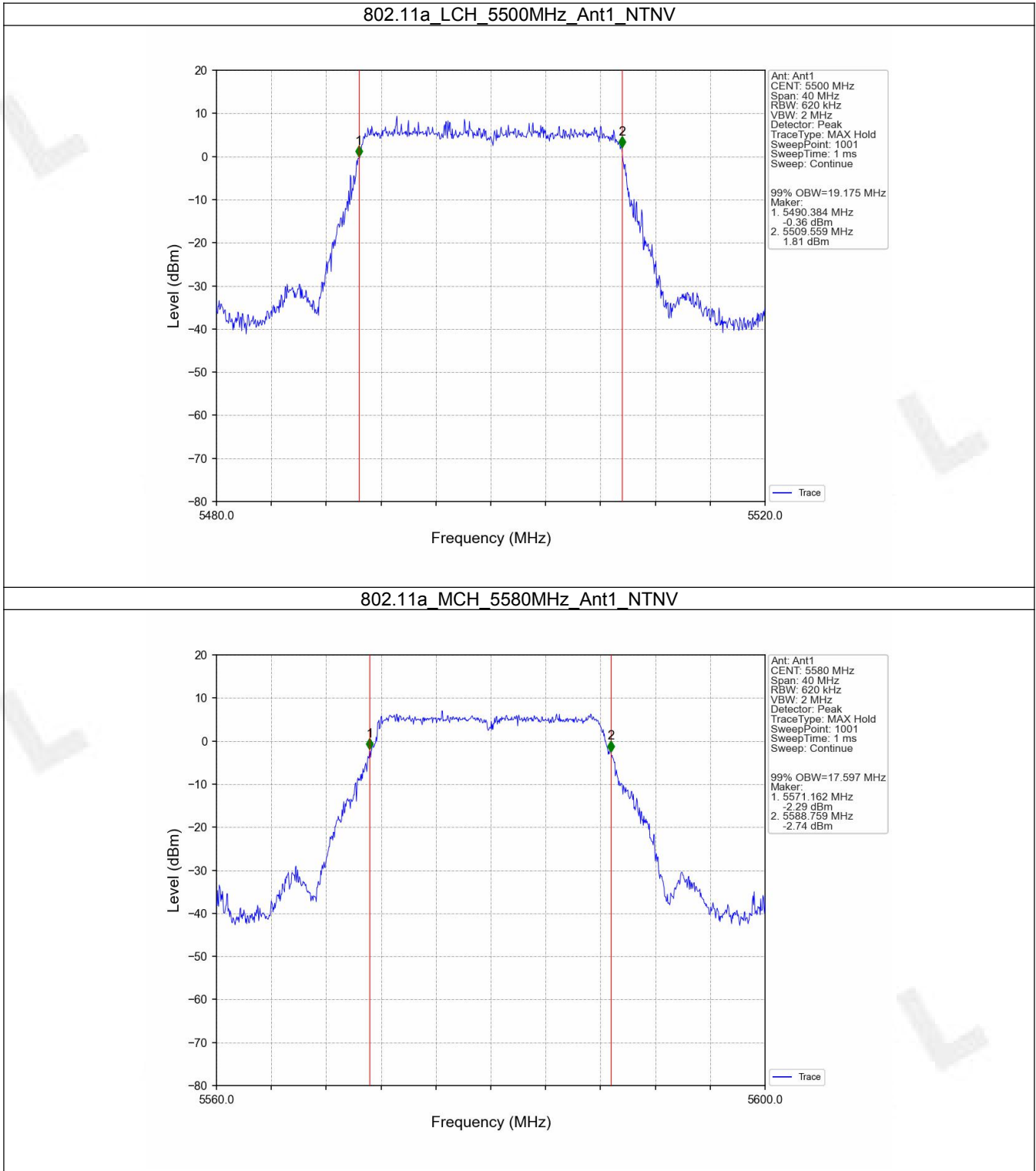
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		5700	SU	/	1	22.337	/	Pass
802.11ax (HEW40)	SISO	5510	SU	/	1	42.343	/	Pass
		5550	SU	/	1	41.750	/	Pass
		5670	SU	/	1	42.117	/	Pass
802.11ax (HEW80)	SISO	5530	SU	/	1	82.126	/	Pass
		5610	SU	/	1	82.242	/	Pass

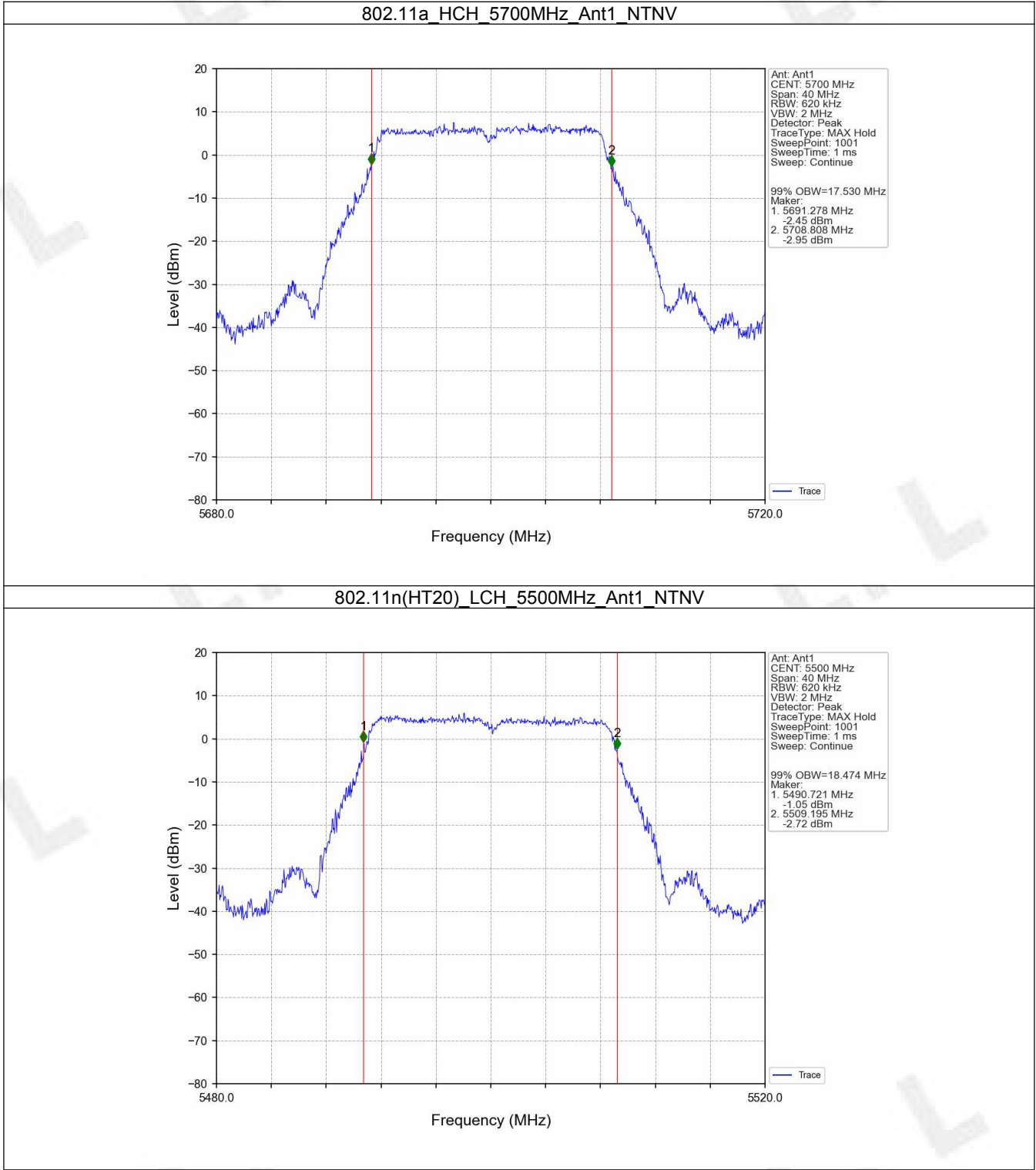
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2.2 Test Graph

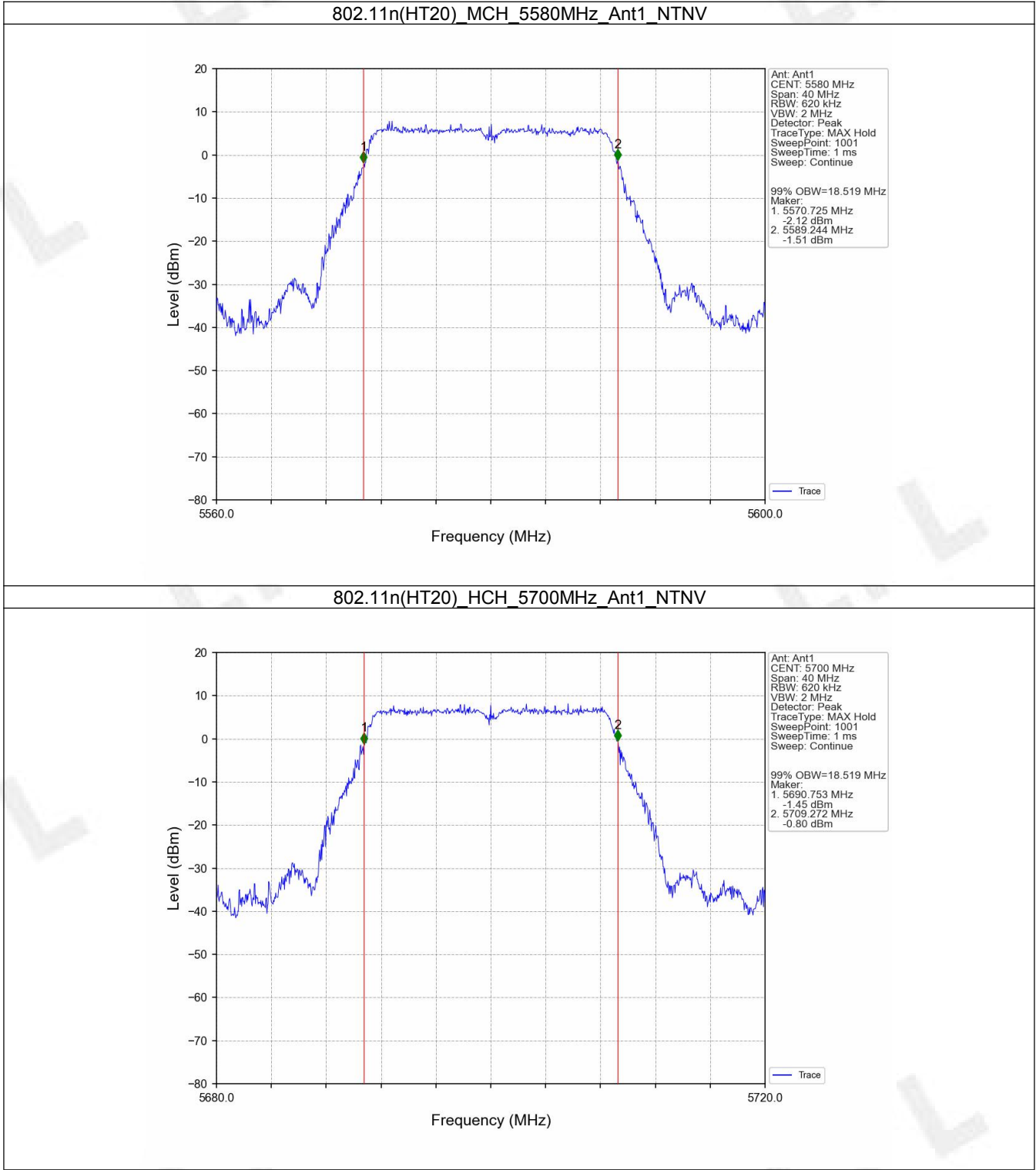
2.2.1 OBW



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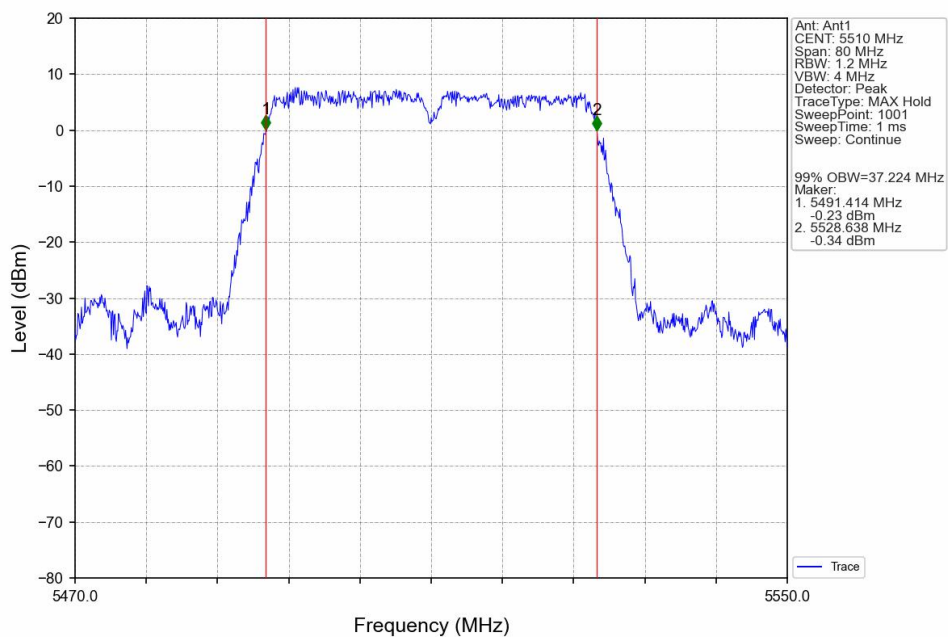


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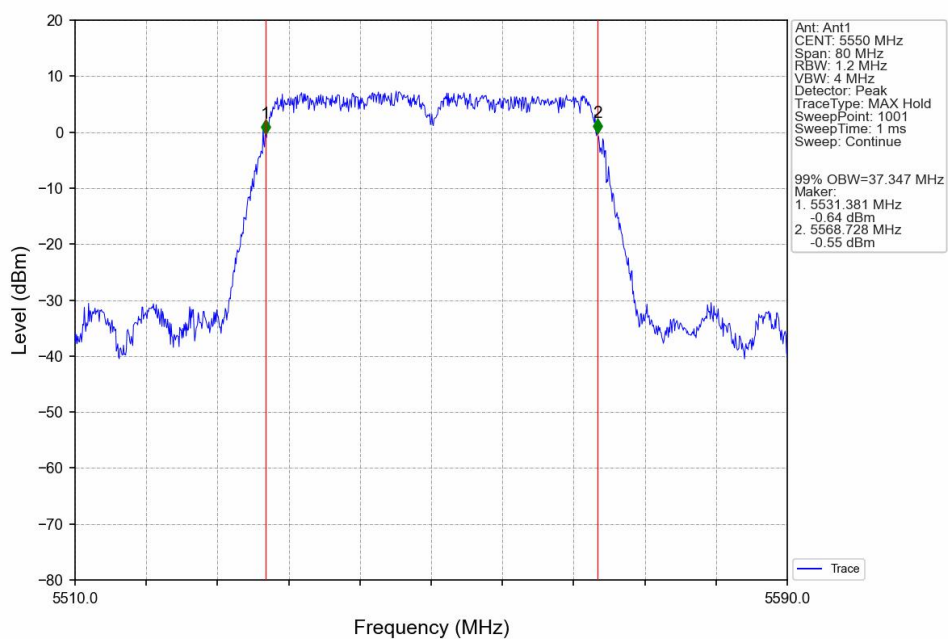


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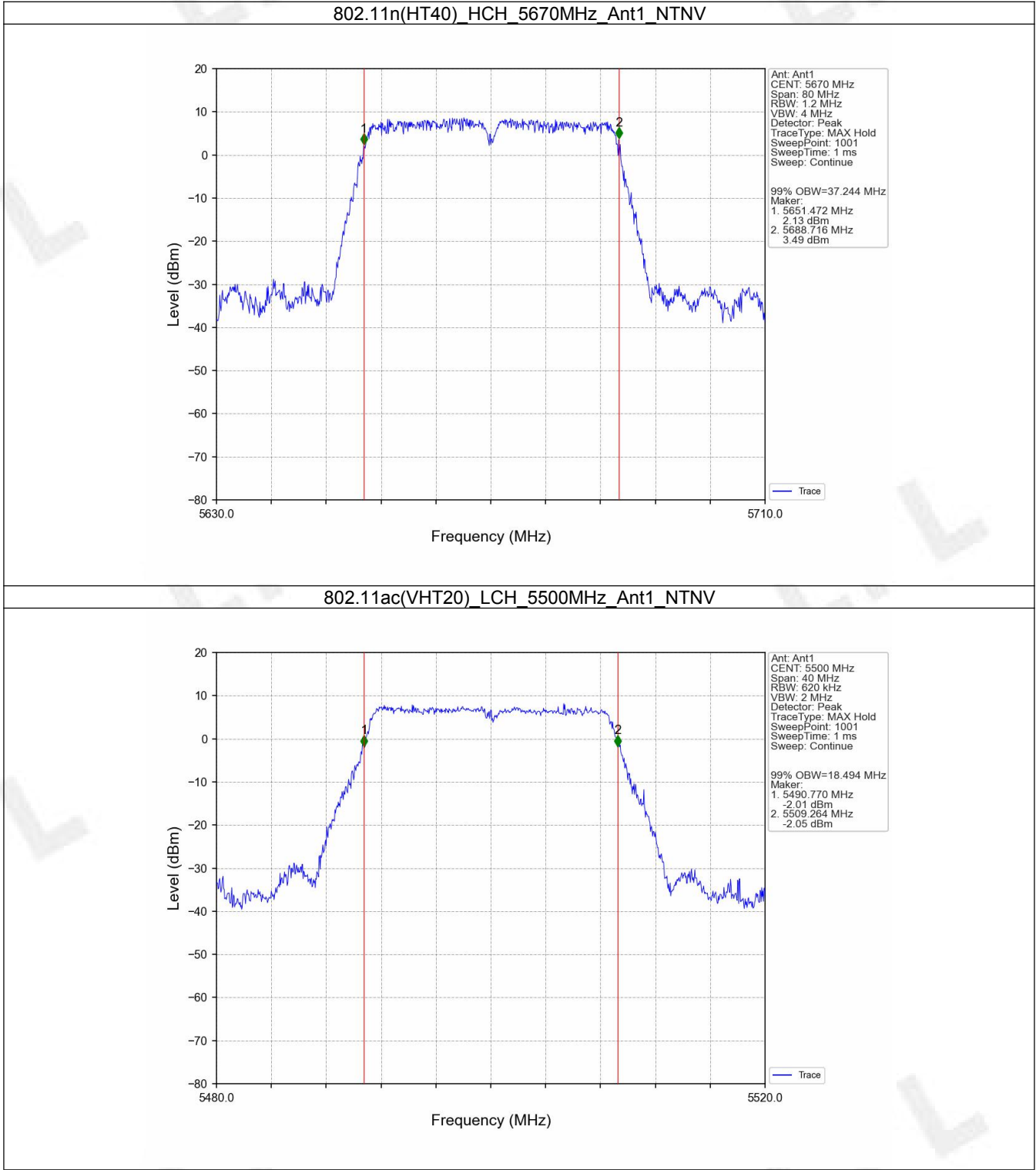
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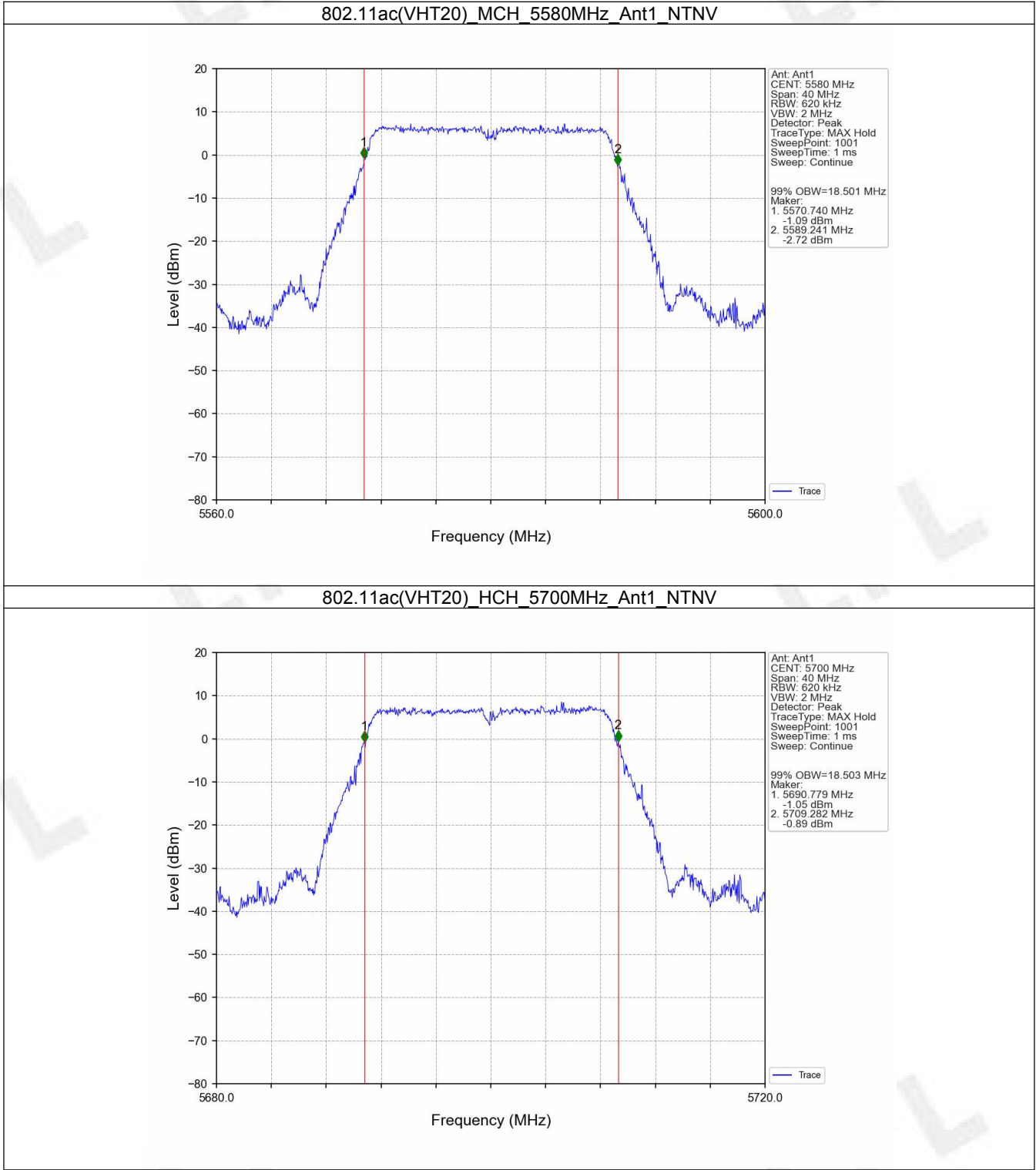
802.11n(HT40)_MCH_5550MHz_Ant1_NTNV



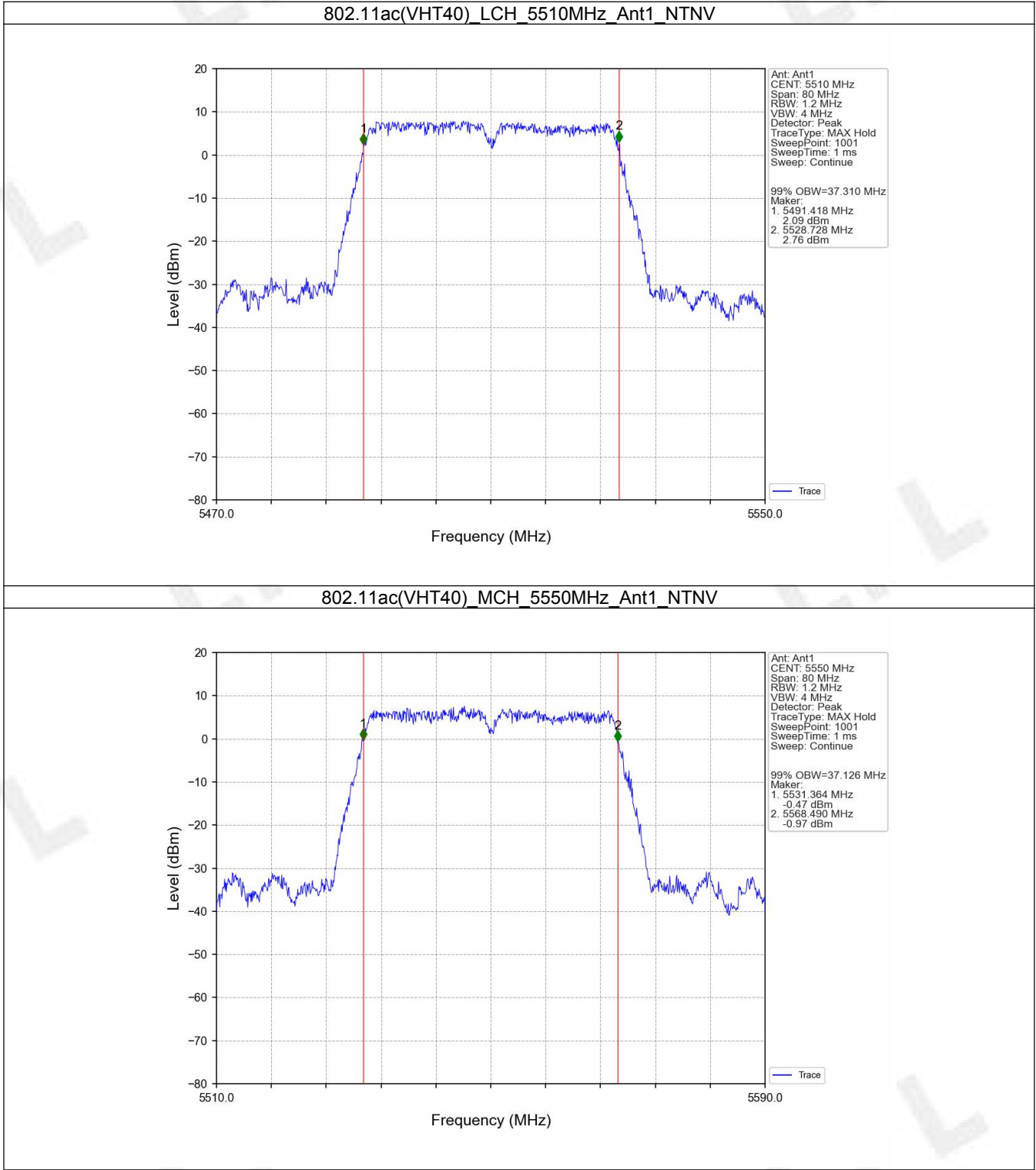
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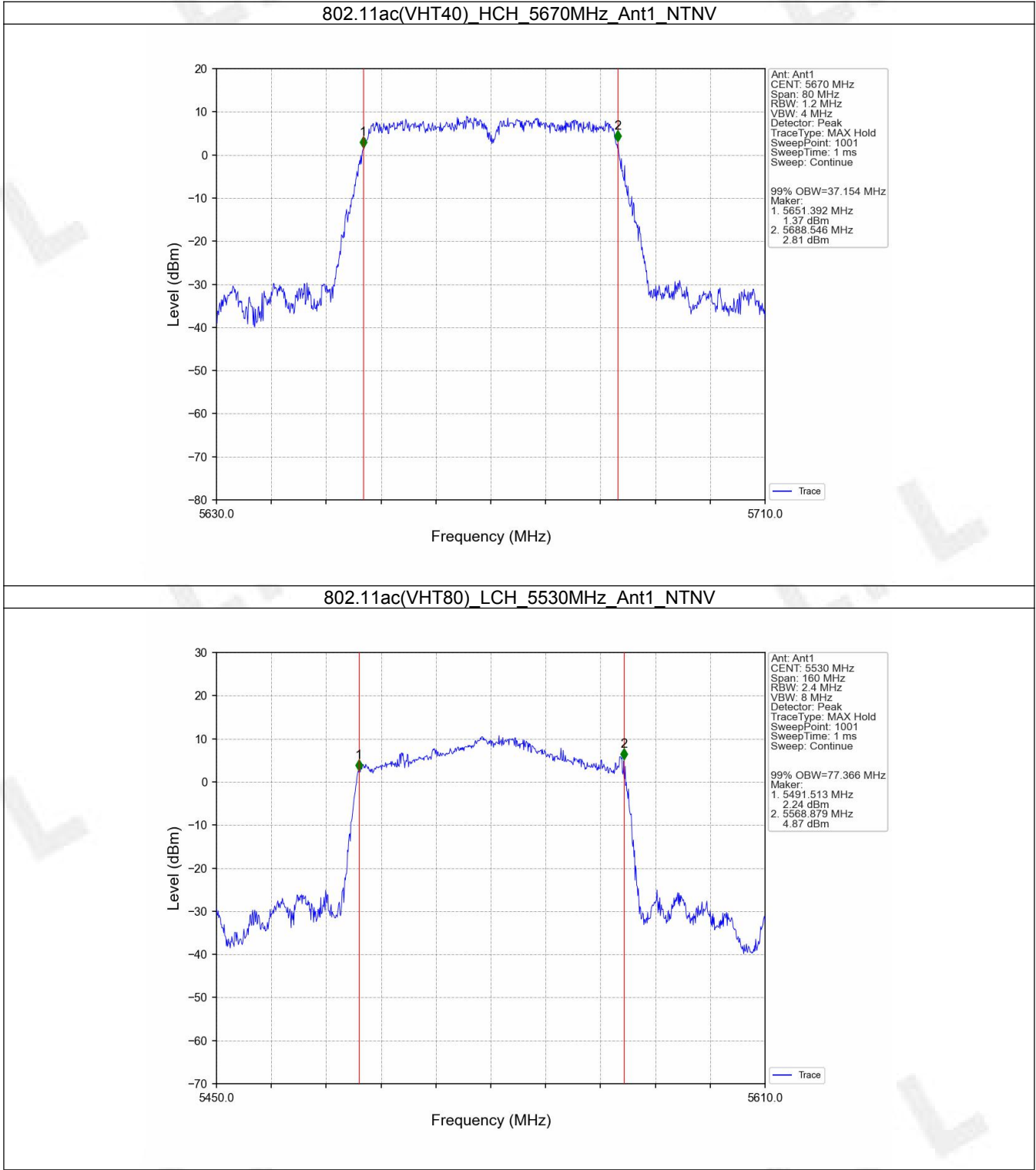
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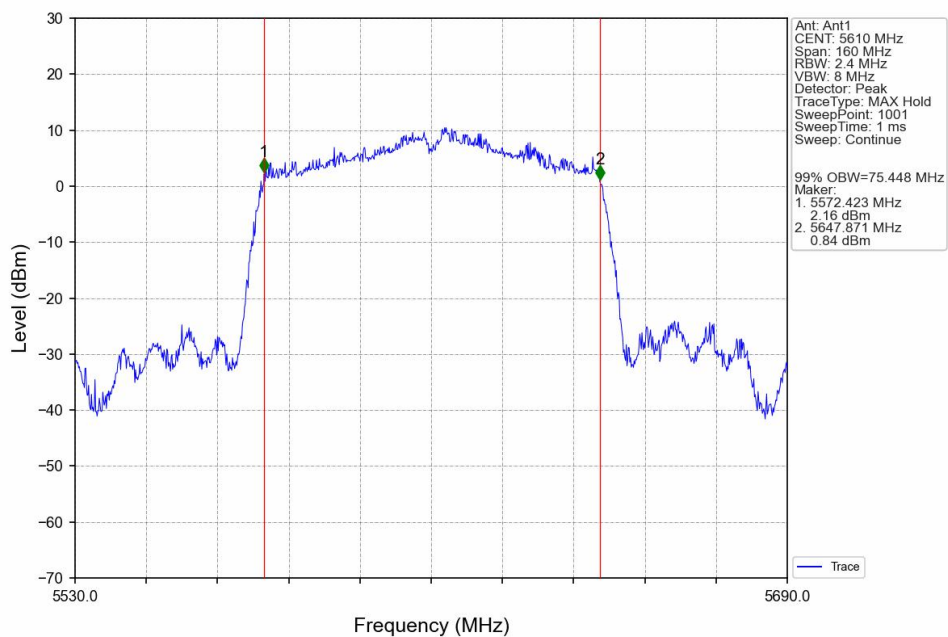


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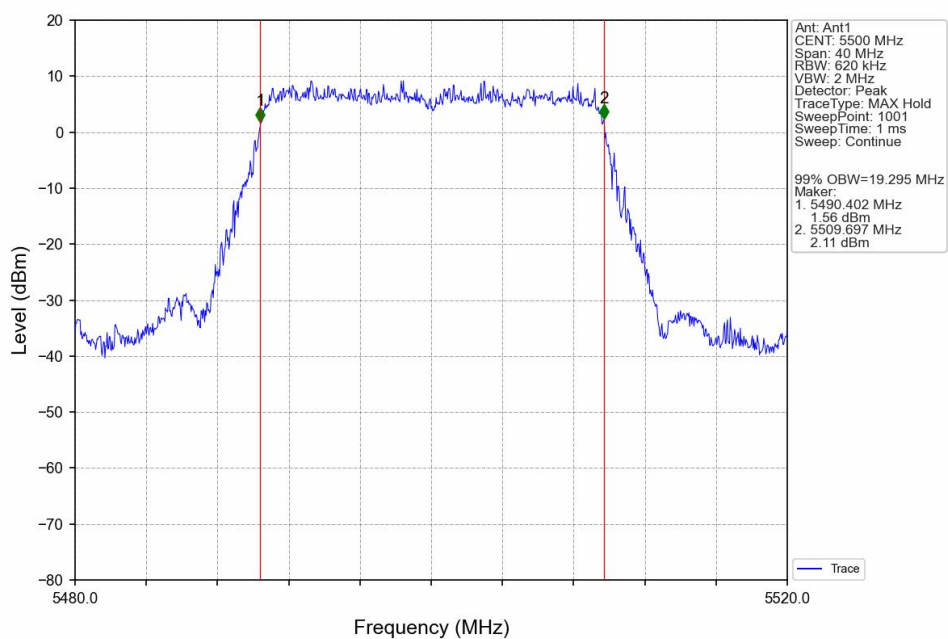


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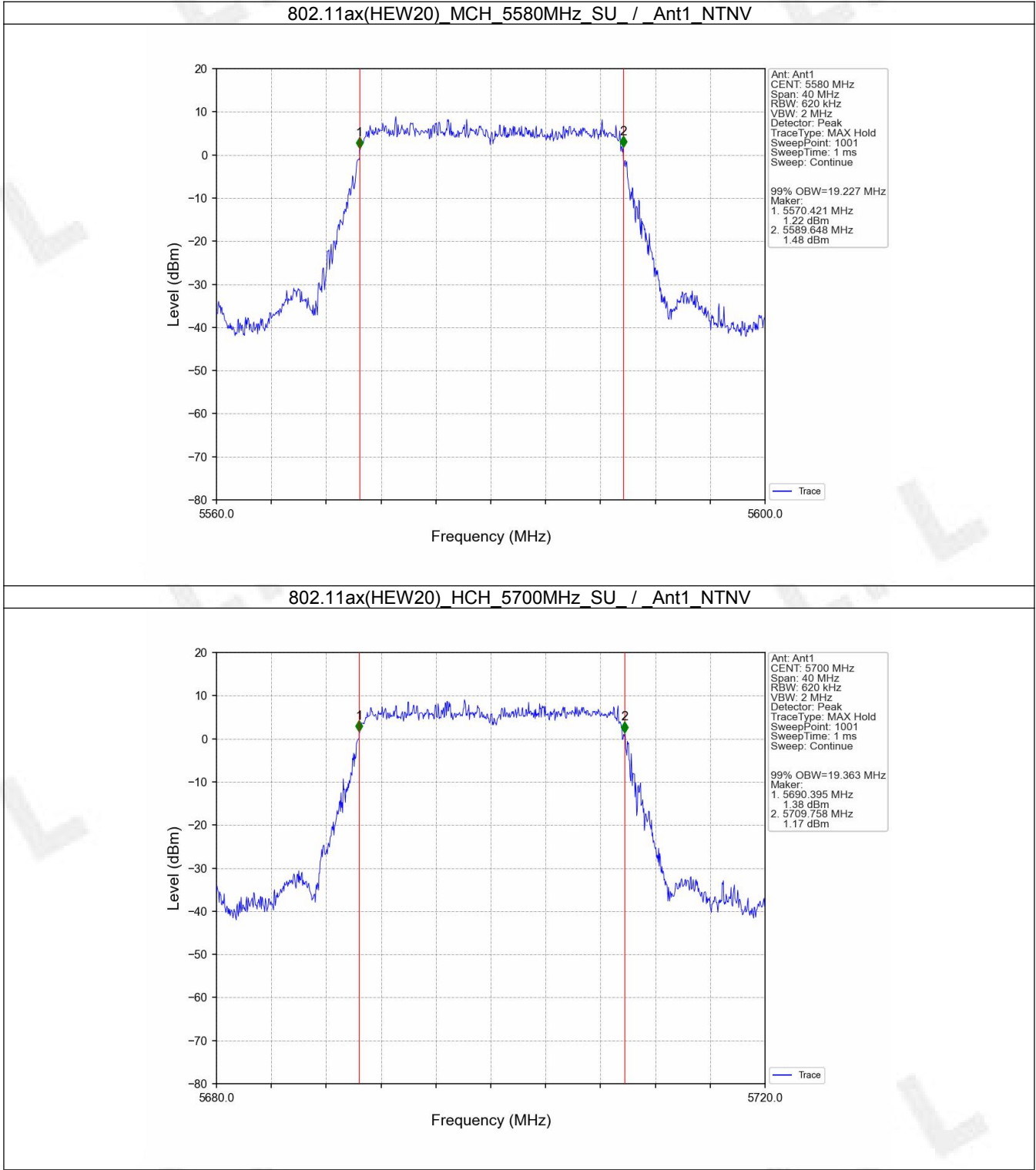
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802.11ax(HEW20) LCH_5500MHz_SU_ / Ant1_NTNV

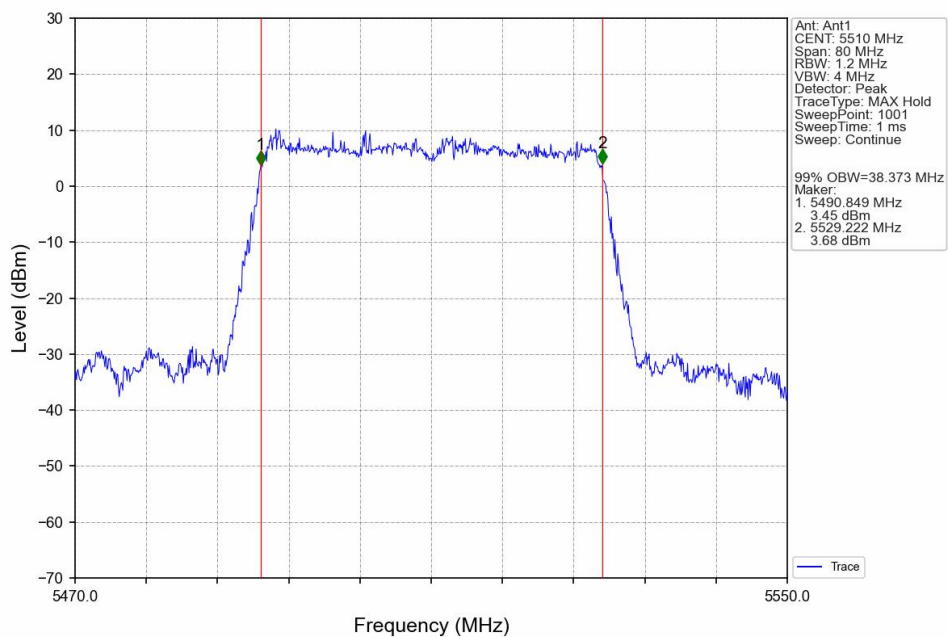


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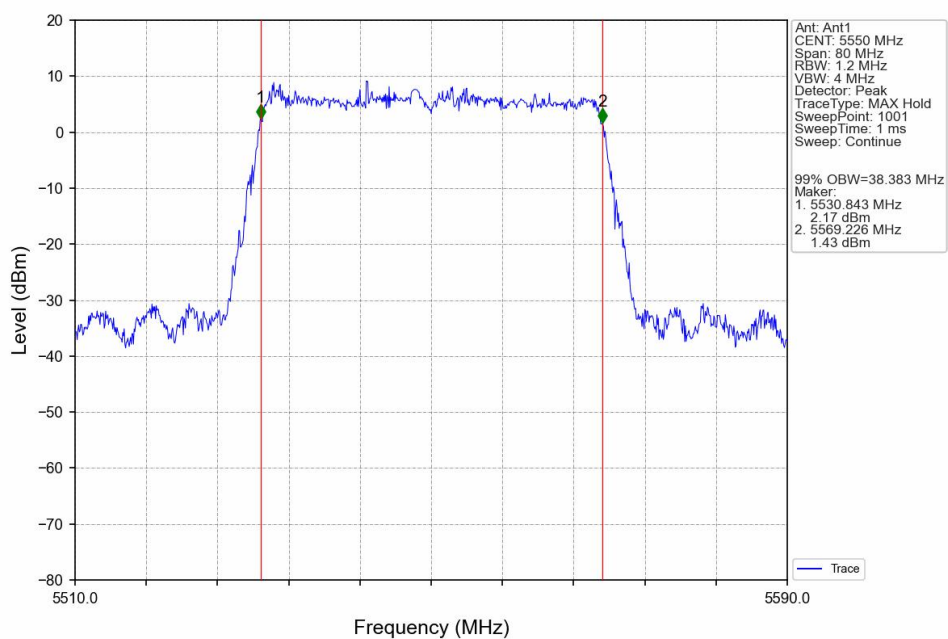


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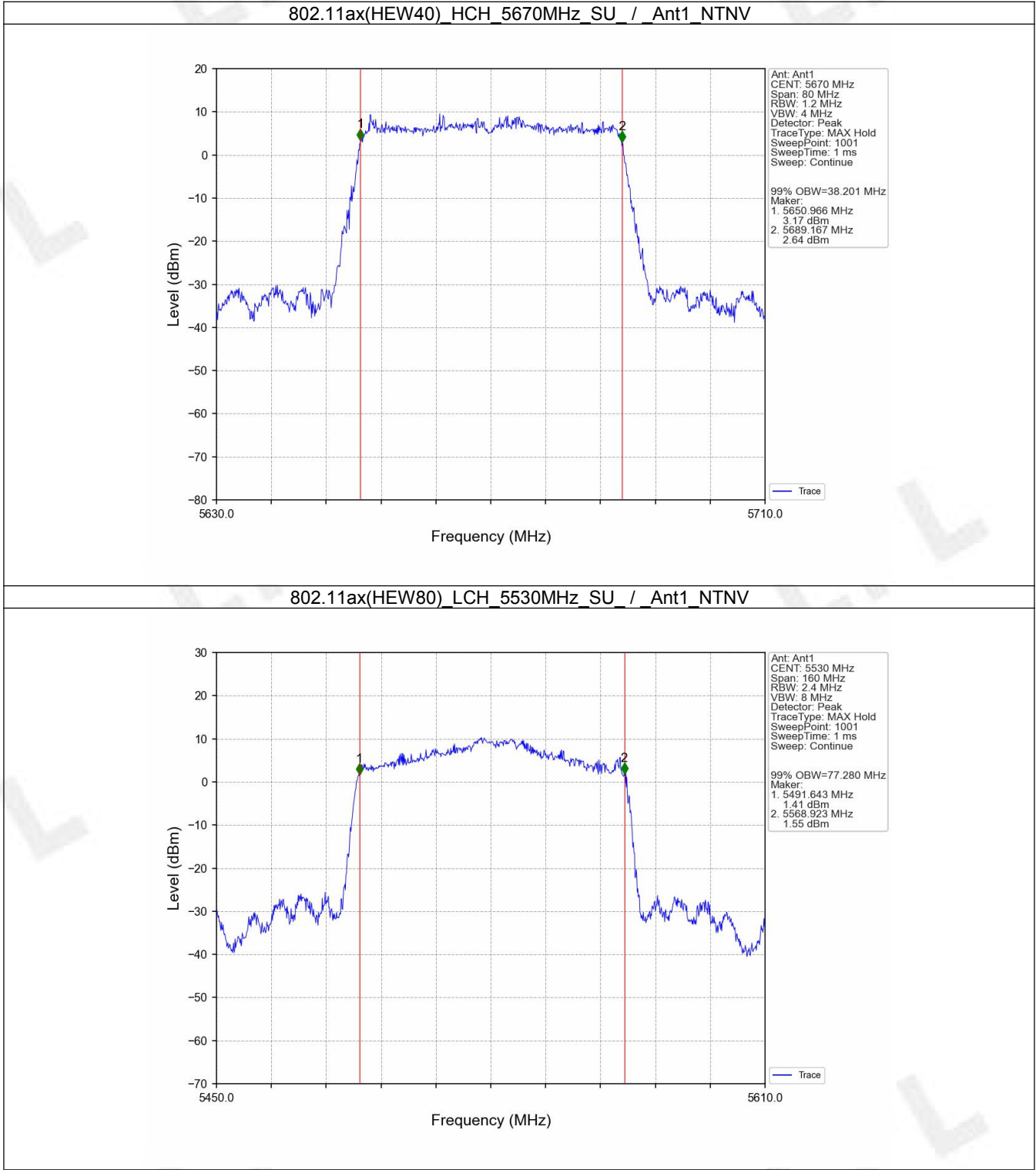
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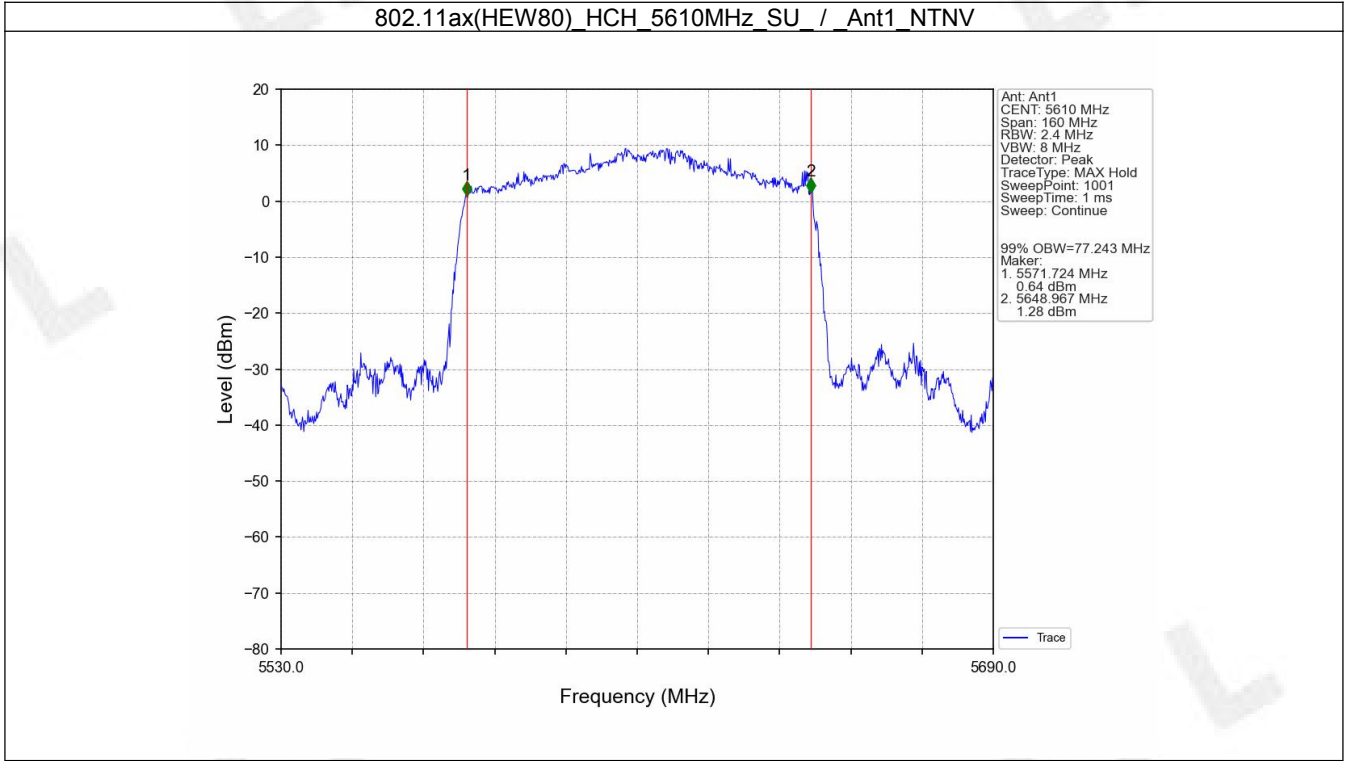
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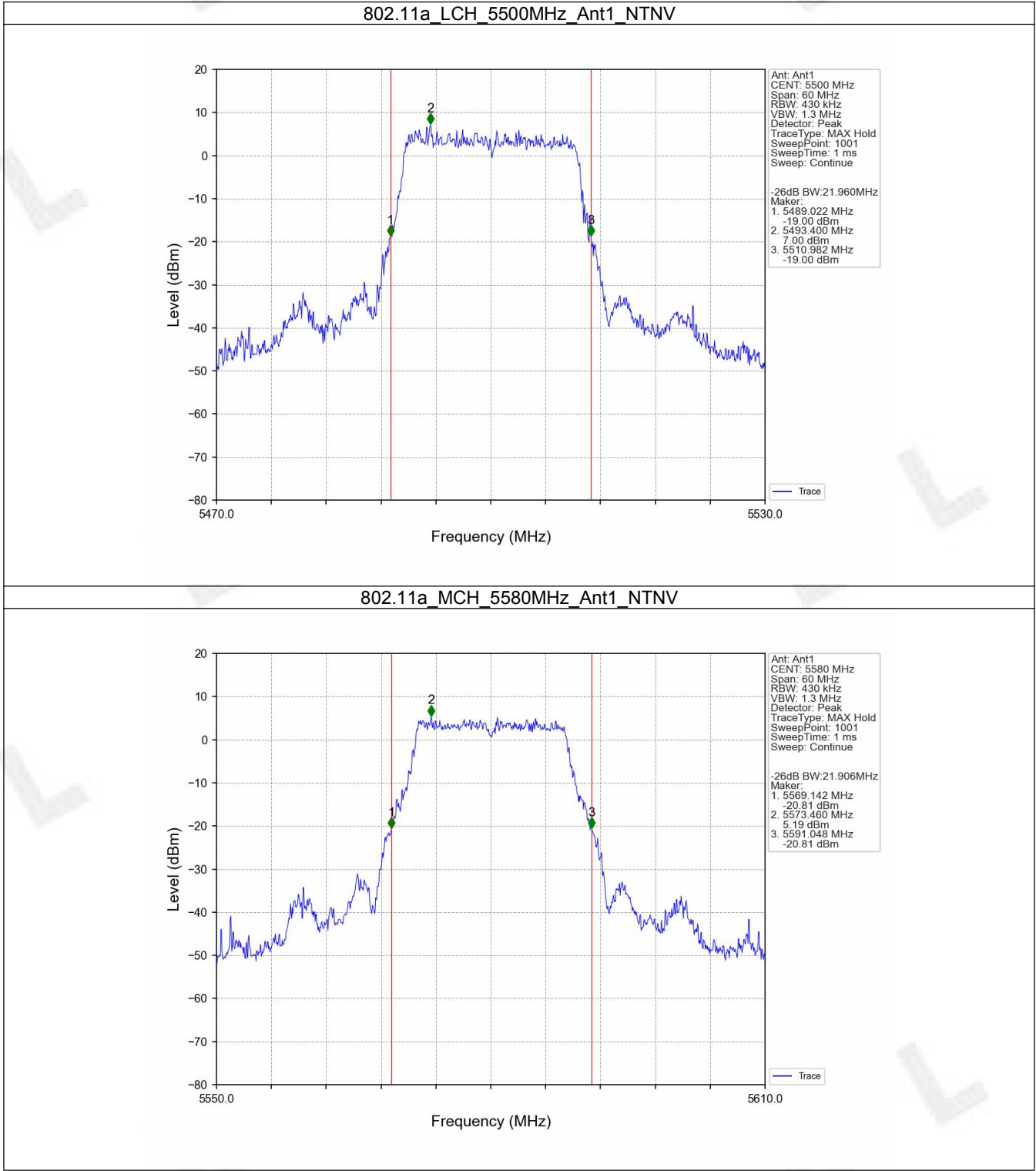


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2.2.2 26dB BW



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