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Annex for 5G Wi-Fi Band 2C

Test Report No.:CTL2505298041-WF04

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FCC ID: 2BLP-G7A1

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	/	/	1.393	2.039	68.32	1.65	11.68
		5580	/	/	1.392	1.427	97.55	0.11	0.03
		5700	/	/	1.392	1.427	97.55	0.11	0.00
802.11n (HT20)	SISO	5500	/	/	1.301	1.947	66.82	1.75	0.95
		5580	/	/	1.300	1.335	97.38	0.12	0.03
		5700	/	/	1.301	1.335	97.45	0.11	0.03
802.11n (HT40)	SISO	5510	/	/	0.648	0.683	94.88	0.23	0.07
		5550	/	/	0.649	0.684	94.88	0.23	0.10
		5670	/	/	0.649	0.684	94.88	0.23	0.07
802.11ac (VHT20)	SISO	5500	/	/	1.312	1.347	97.40	0.11	0.03
		5580	/	/	1.312	1.347	97.40	0.11	0.03
		5700	/	/	1.313	1.347	97.48	0.11	0.03
802.11ac (VHT40)	SISO	5510	/	/	0.652	0.687	94.91	0.23	0.04
		5550	/	/	0.653	0.687	95.05	0.22	0.07
		5670	/	/	0.652	0.687	94.91	0.23	0.07
802.11ac (VHT80)	SISO	5530	/	/	0.325	0.359	90.53	0.43	0.07
		5610	/	/	0.325	0.359	90.53	0.43	0.14
802.11ax (HEW20)	SISO	5500	SU	/	1.013	1.049	96.57	0.15	0.03
		5580	SU	/	1.014	1.049	96.66	0.15	0.03
		5700	SU	/	1.014	1.049	96.66	0.15	0.03
802.11ax (HEW40)	SISO	5510	SU	/	0.534	0.569	93.85	0.28	0.07
		5550	SU	/	0.534	0.569	93.85	0.28	0.07
		5670	SU	/	0.535	0.569	94.02	0.27	0.11
802.11ax (HEW80)	SISO	5530	SU	/	0.289	0.322	89.75	0.47	0.07
		5610	SU	/	0.289	0.322	89.75	0.47	0.09

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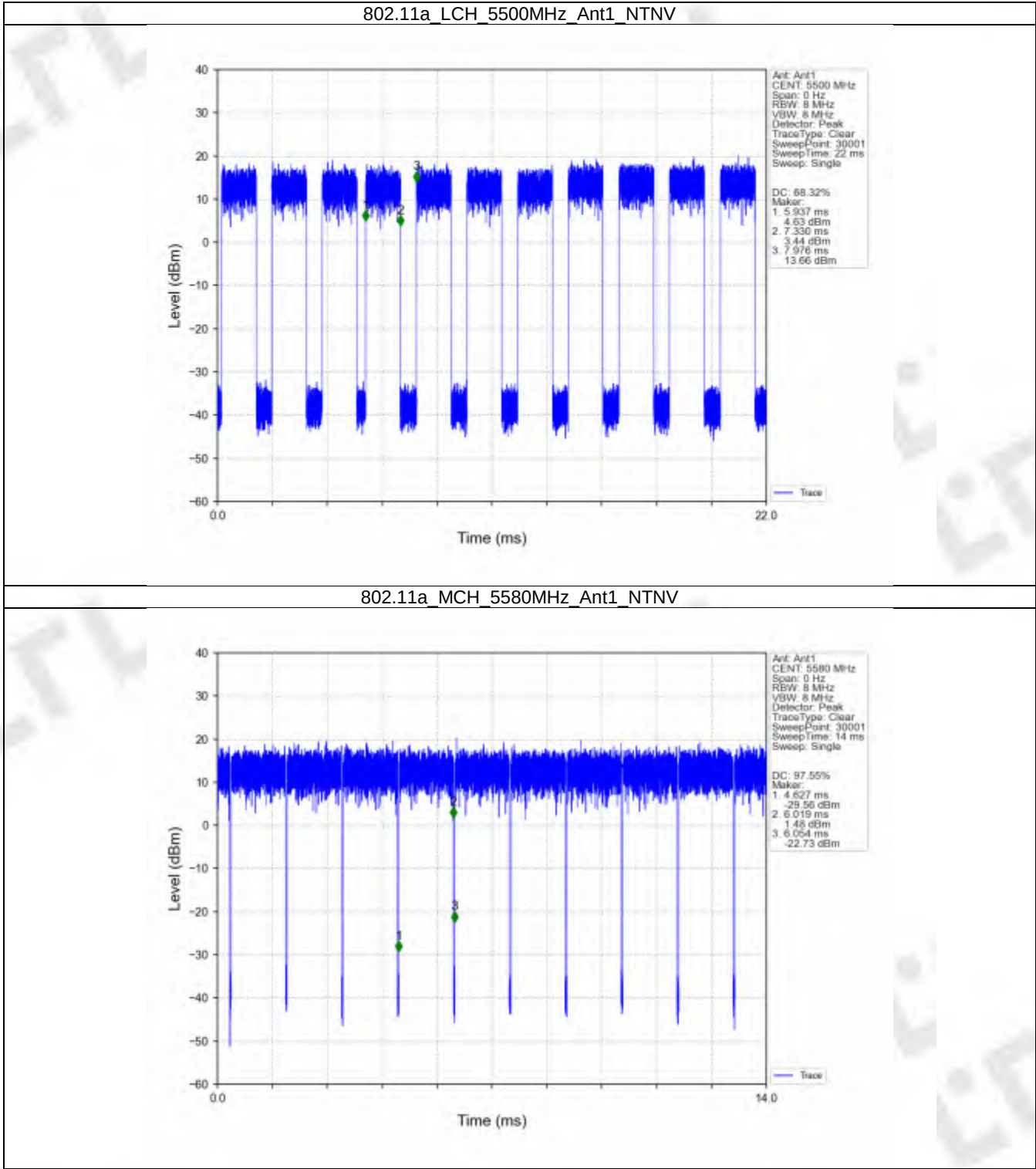
1.1.2 Ant2

Ant2									
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	/	/	1.393	1.428	97.55	0.11	0.06
		5580	/	/	1.392	1.427	97.55	0.11	0.03
		5700	/	/	1.393	1.428	97.55	0.11	0.07
802.11n (HT20)	SISO	5500	/	/	1.301	1.335	97.45	0.11	0.03
		5580	/	/	1.300	1.335	97.38	0.12	0.03
		5700	/	/	1.300	1.335	97.38	0.12	0.03
802.11n (HT40)	SISO	5510	/	/	0.650	0.683	95.17	0.22	0.00
		5550	/	/	0.648	0.683	94.88	0.23	0.07
		5670	/	/	0.649	0.683	95.02	0.22	0.03
802.11ac (VHT20)	SISO	5500	/	/	1.312	1.347	97.40	0.11	0.03
		5580	/	/	1.312	1.347	97.40	0.11	0.07
		5700	/	/	1.312	1.346	97.47	0.11	0.03
802.11ac (VHT40)	SISO	5510	/	/	0.654	0.687	95.20	0.21	0.03
		5550	/	/	0.653	0.687	95.05	0.22	0.03
		5670	/	/	0.652	0.687	94.91	0.23	0.03
802.11ac (VHT80)	SISO	5530	/	/	0.326	0.359	90.81	0.42	0.07
		5610	/	/	0.325	0.359	90.53	0.43	0.04
802.11ax (HEW20)	SISO	5500	SU	/	1.014	1.049	96.66	0.15	0.03
		5580	SU	/	1.014	1.049	96.66	0.15	0.03
		5700	SU	/	1.014	1.049	96.66	0.15	0.03
802.11ax (HEW40)	SISO	5510	SU	/	0.534	0.569	93.85	0.28	0.11
		5550	SU	/	0.534	0.569	93.85	0.28	0.07
		5670	SU	/	0.534	0.569	93.85	0.28	0.07
802.11ax (HEW80)	SISO	5530	SU	/	0.289	0.322	89.75	0.47	0.14
		5610	SU	/	0.288	0.322	89.44	0.48	0.07

FCC ID: 2BLP-G7A1

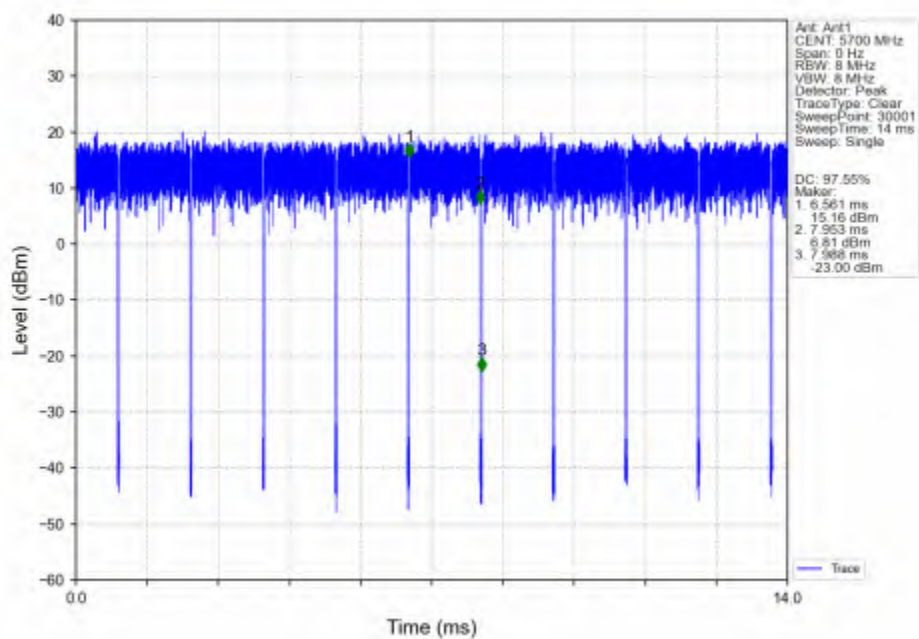
1.2 Test Graph

1.2.1 Ant1

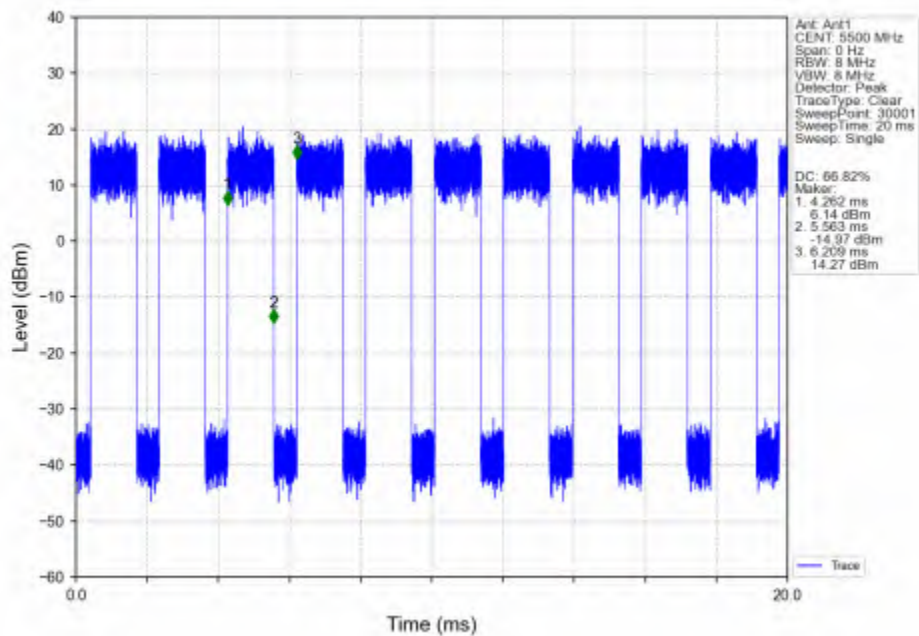


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802.11a_HCH_5700MHz_Ant1_NTNV

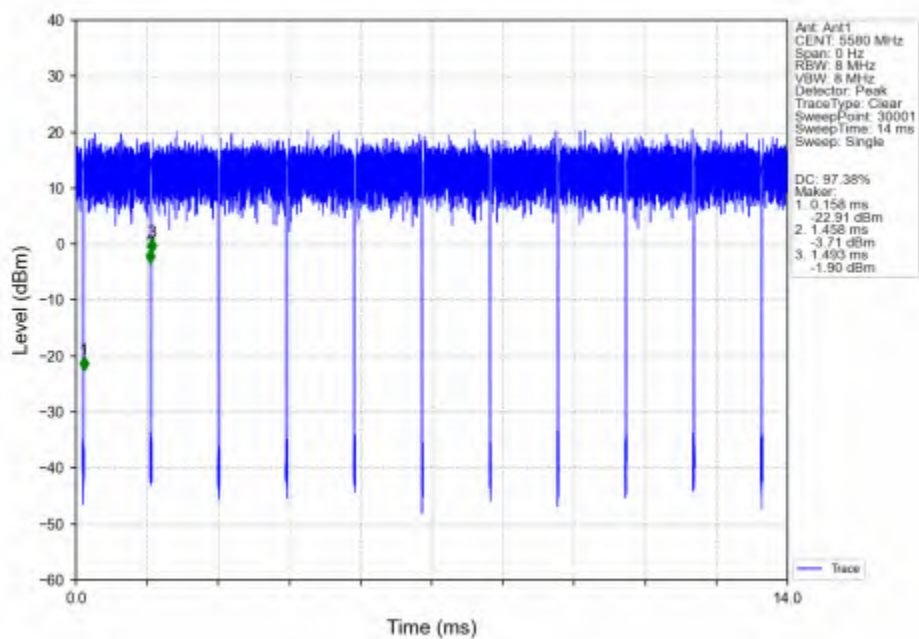


802.11n(HT20)_LCH_5500MHz_Ant1_NTNV

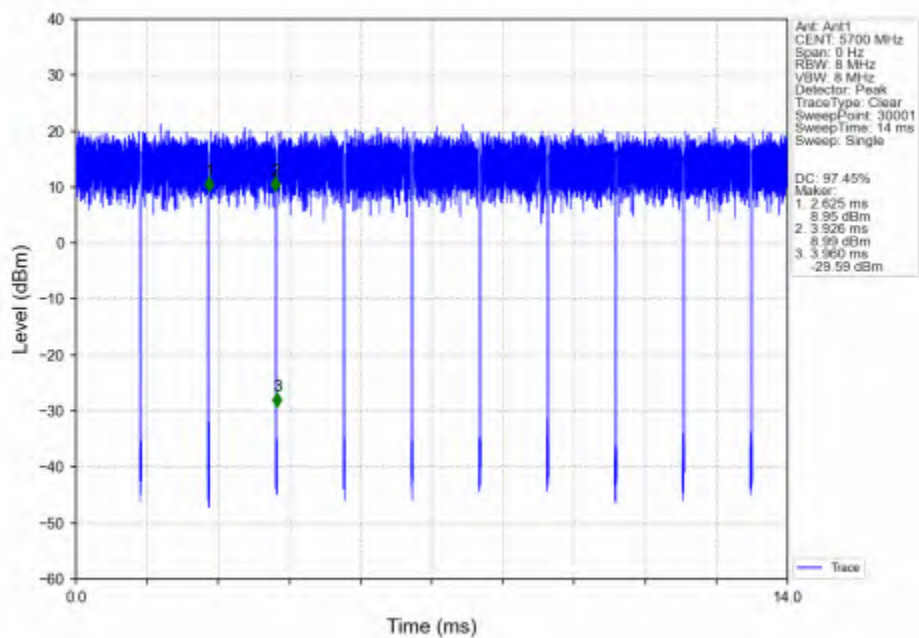


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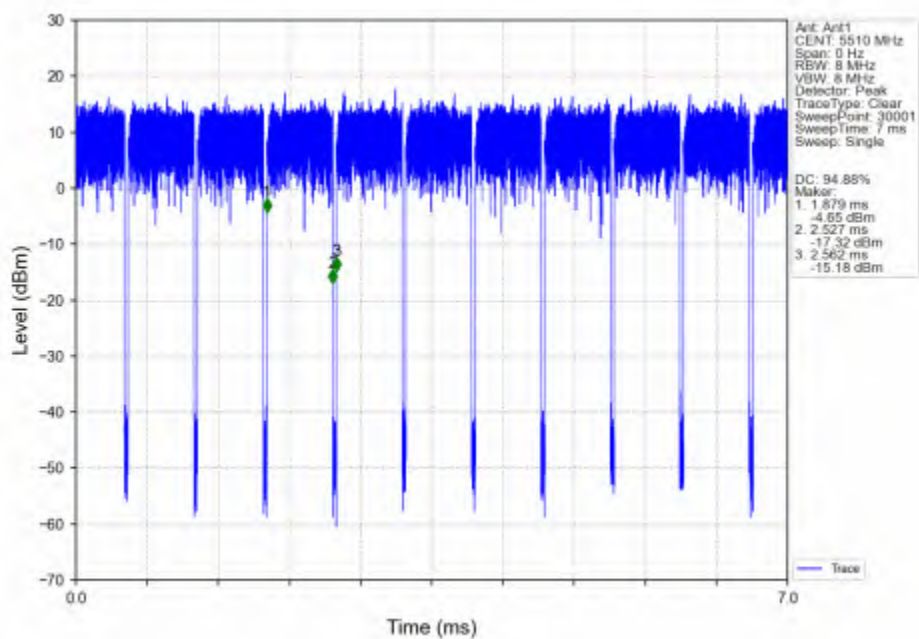


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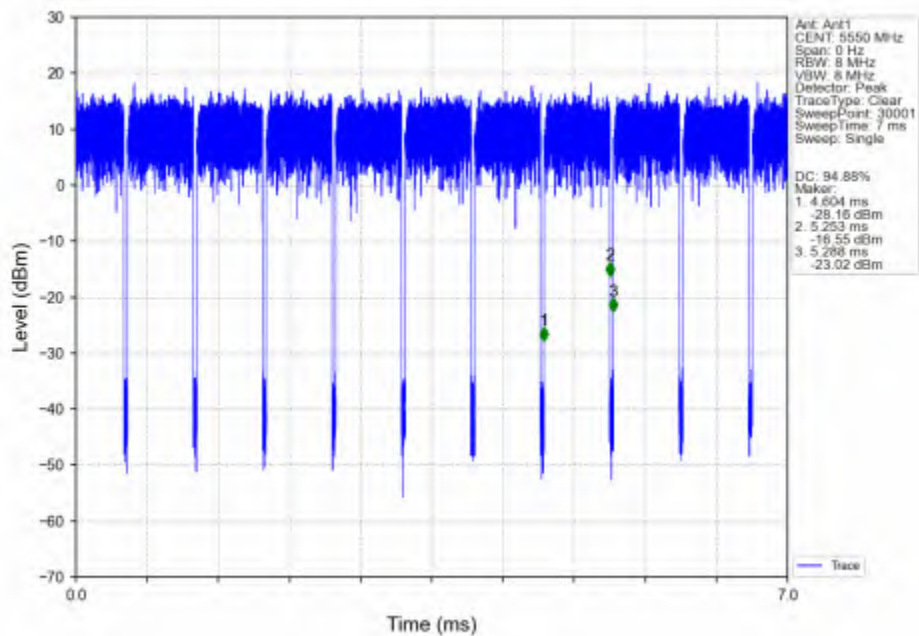


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802.11n(HT40)_LCH_5510MHz_Ant1_NTNV

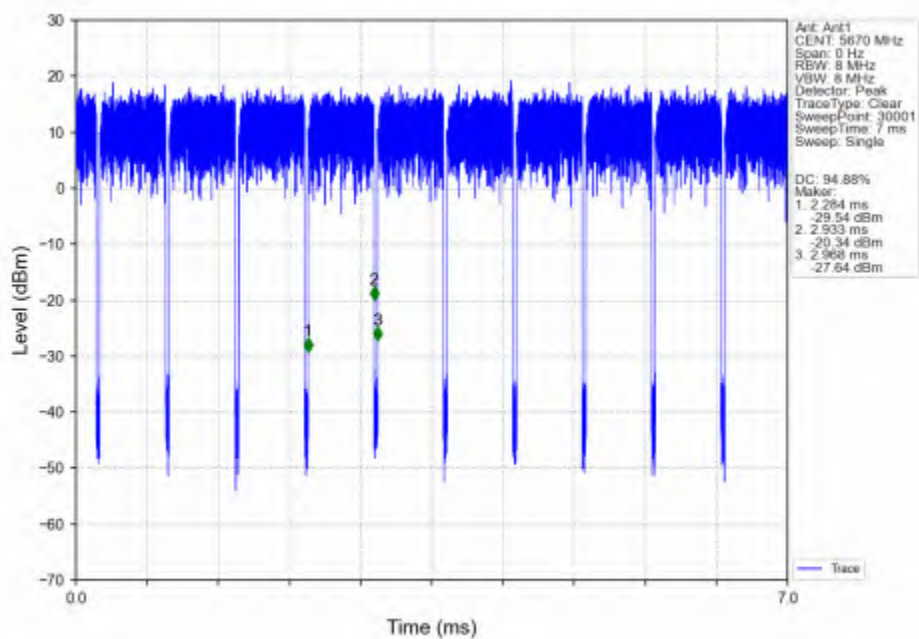


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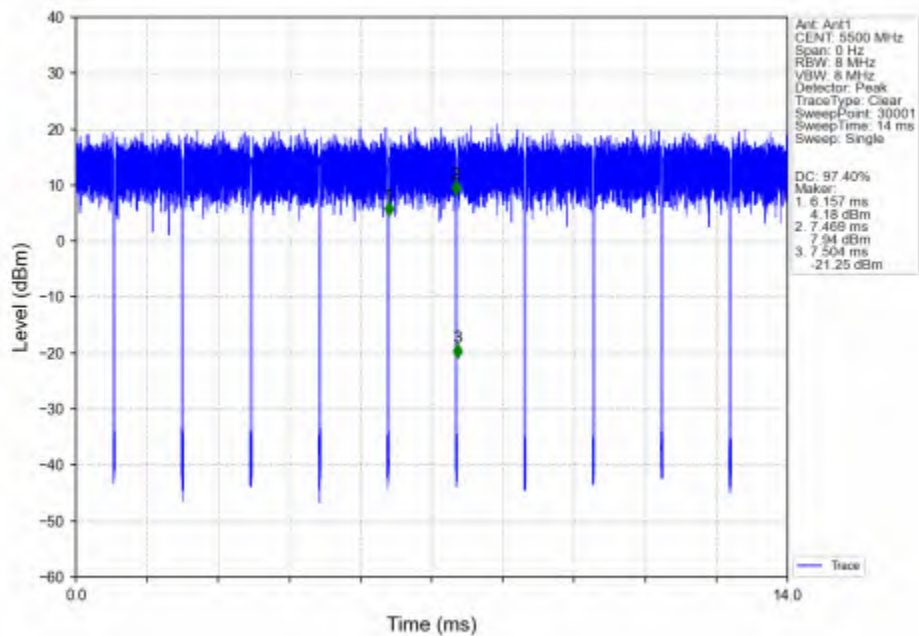


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802.11n(HT40)_HCH_5670MHz_Ant1_NTNV

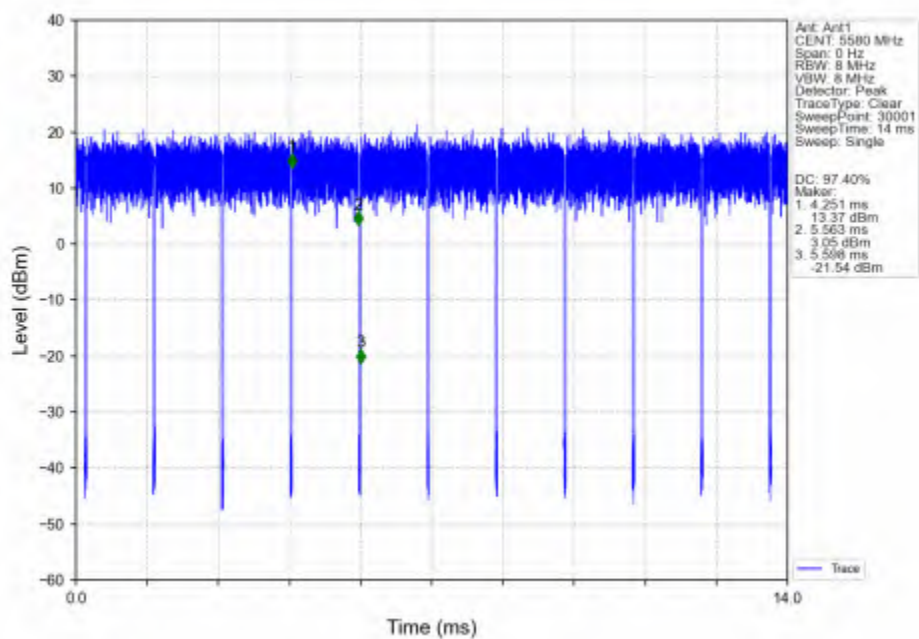


802.11ac(VHT20)_LCH_5500MHz_Ant1_NTNV

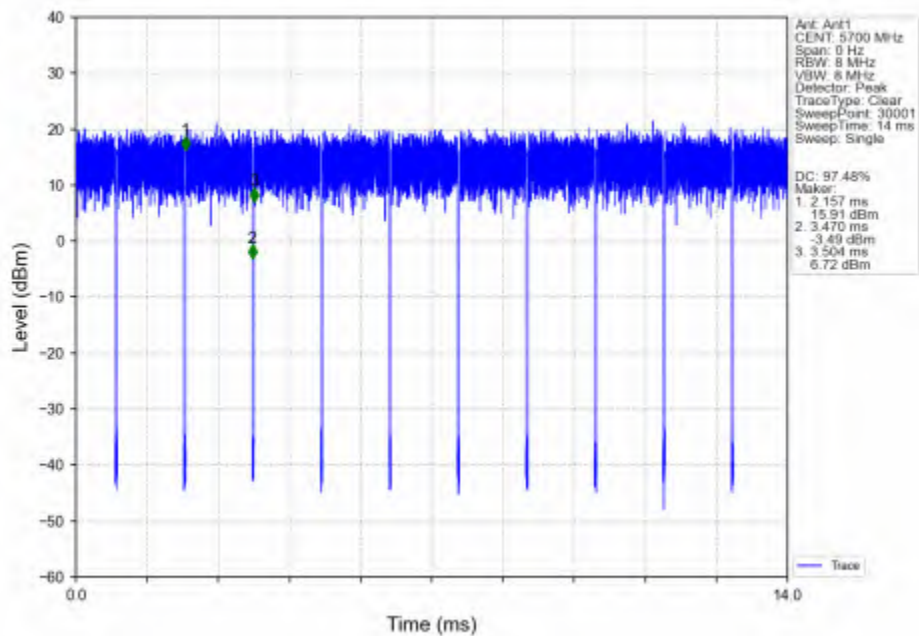


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802.11ac(VHT20)_MCH_5580MHz_Ant1_NTNV

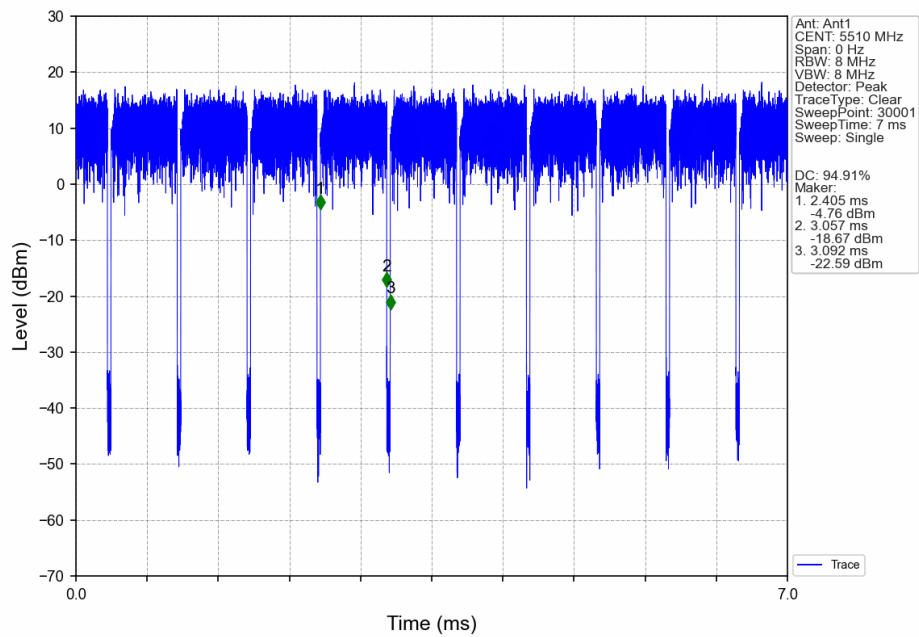


802.11ac(VHT20)_HCH_5700MHz_Ant1_NTNV

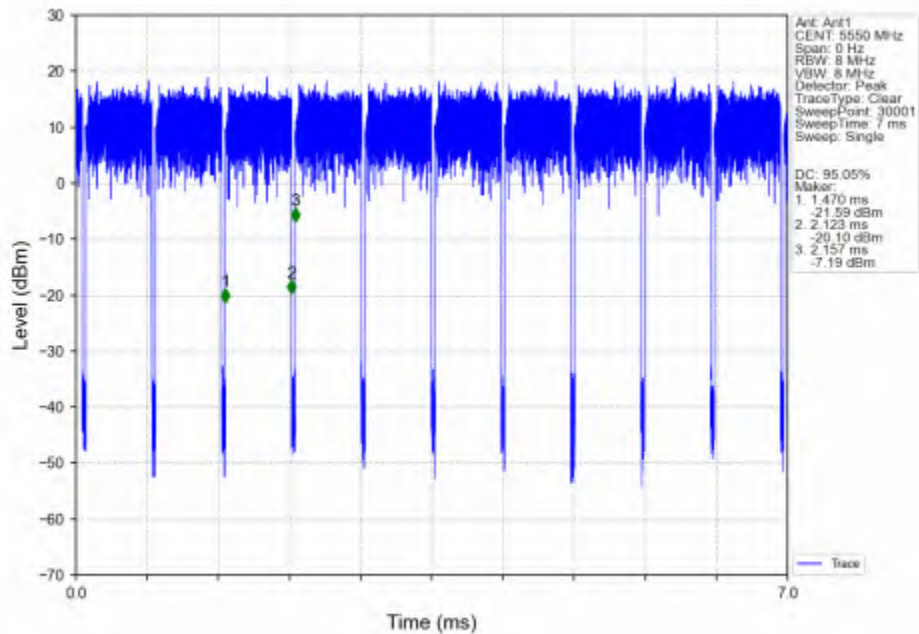


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802.11ac(VHT40)_LCH_5510MHz_Ant1_NTNV

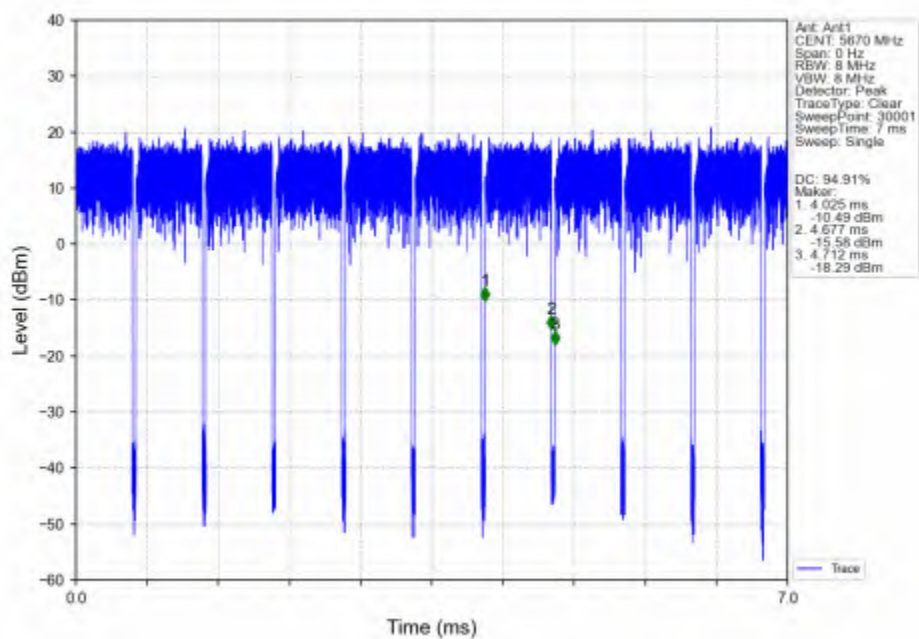


802.11ac(VHT40)_MCH_5550MHz_Ant1_NTNV

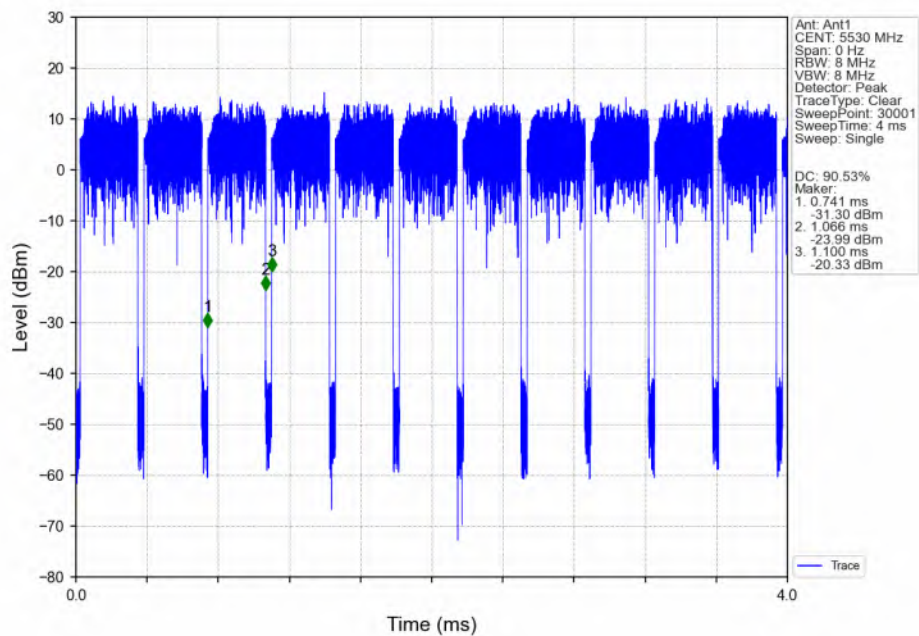


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802.11ac(VHT40) HCH 5670MHz Ant1_NTNV

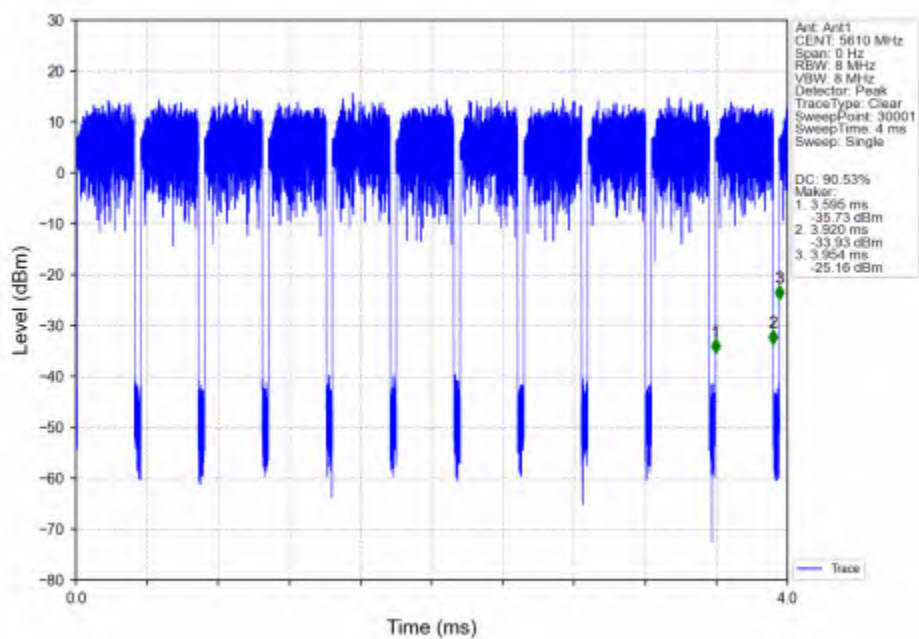


802.11ac(VHT80) LCH 5530MHz Ant1_NTNV

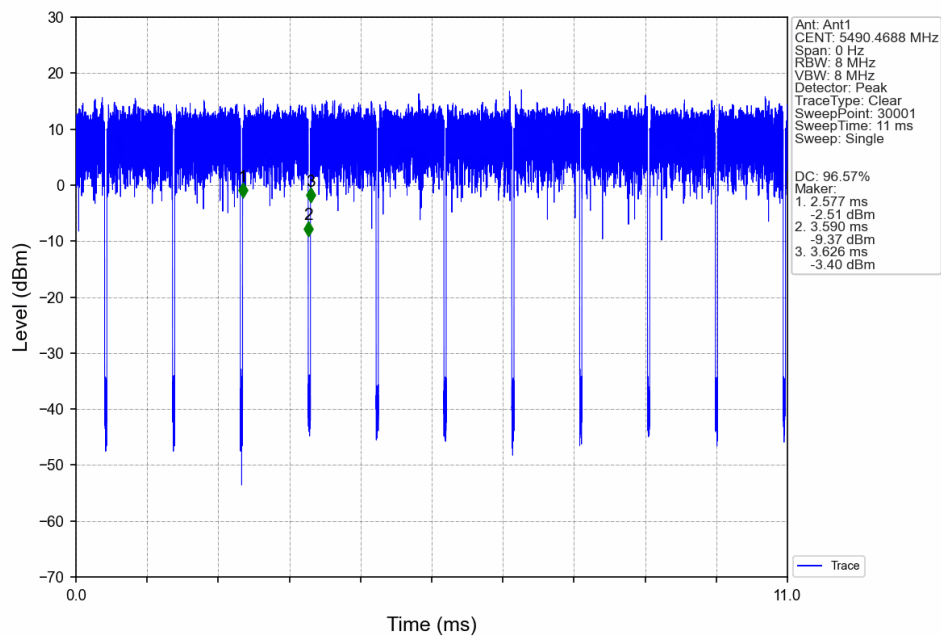


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802.11ac(VHT80)_HCH_5610MHz_Ant1_NTNV

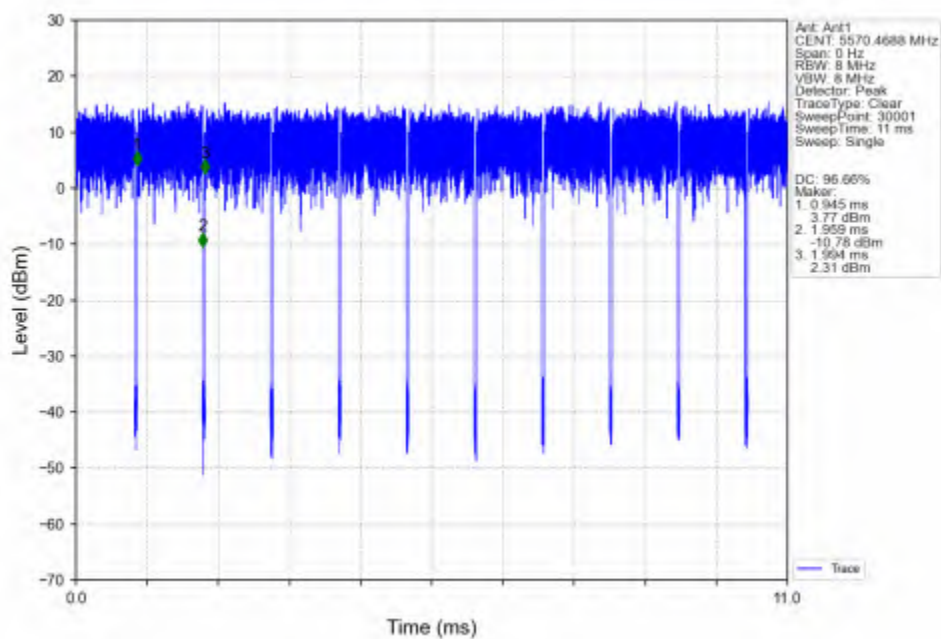


802.11ax(HEW20)_LCH_5500MHz_SU_/_Ant1_NTNV

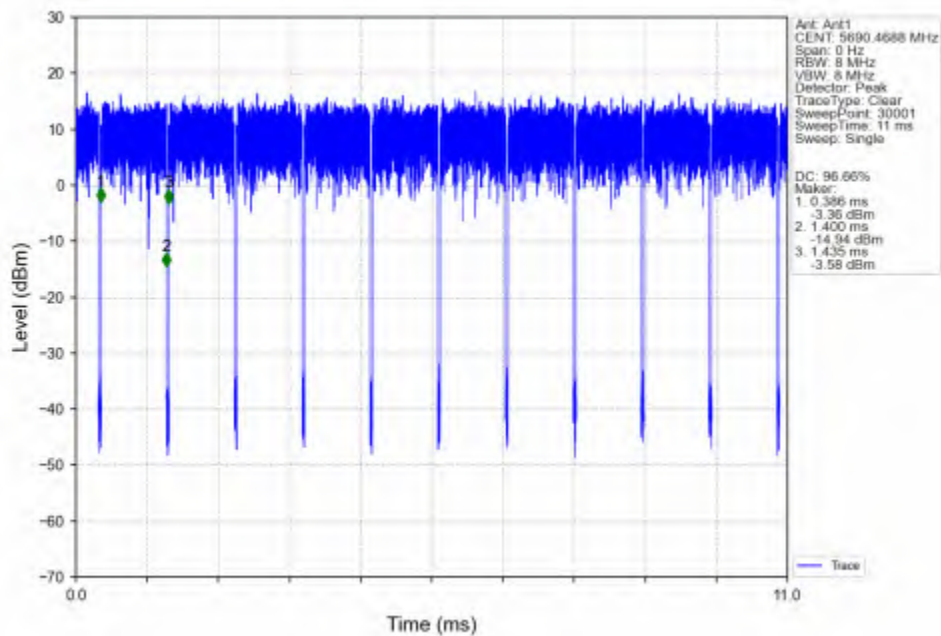


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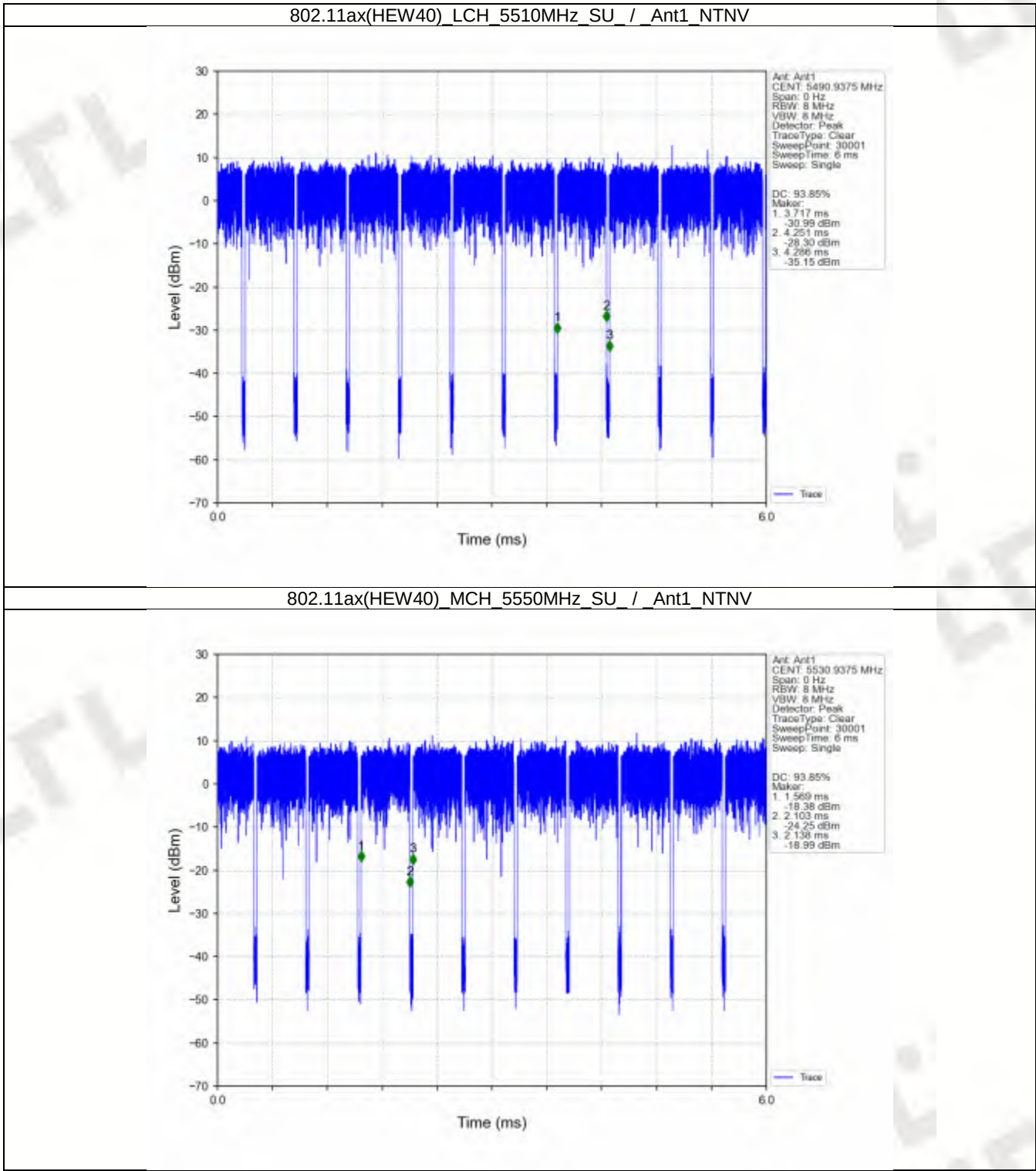
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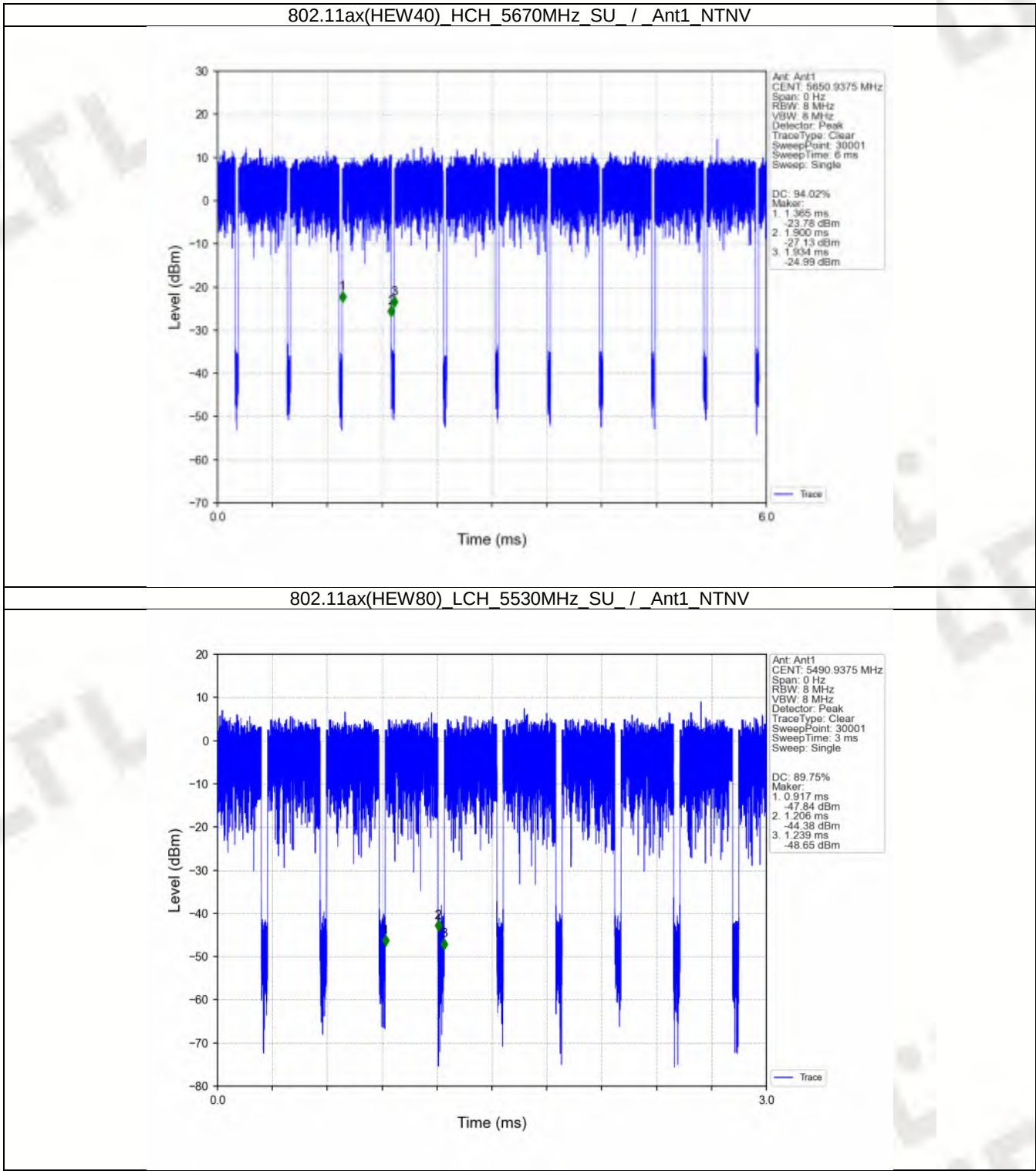
802.11ax(HEW20)_HCH_5700MHz_SU_ / Ant1_NTNV



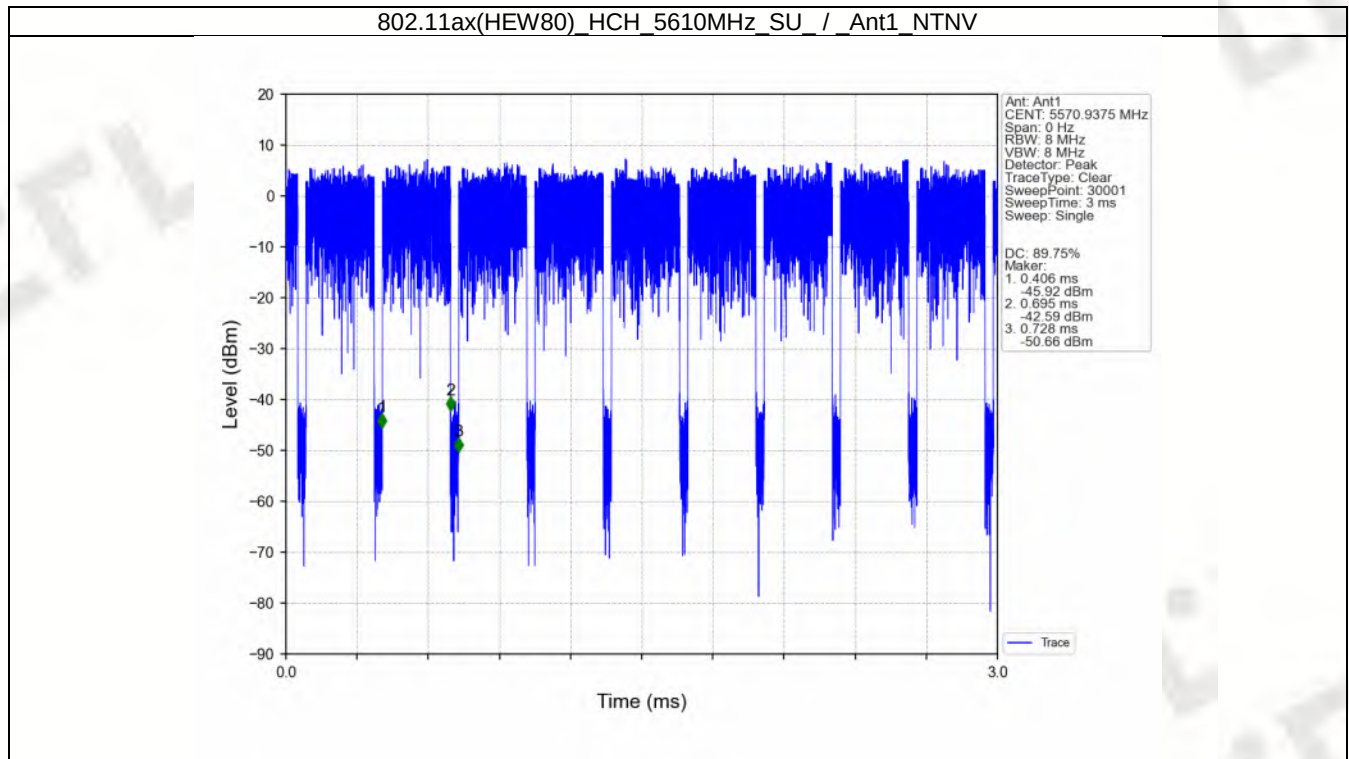
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FCC ID: 2BLP-G7A1

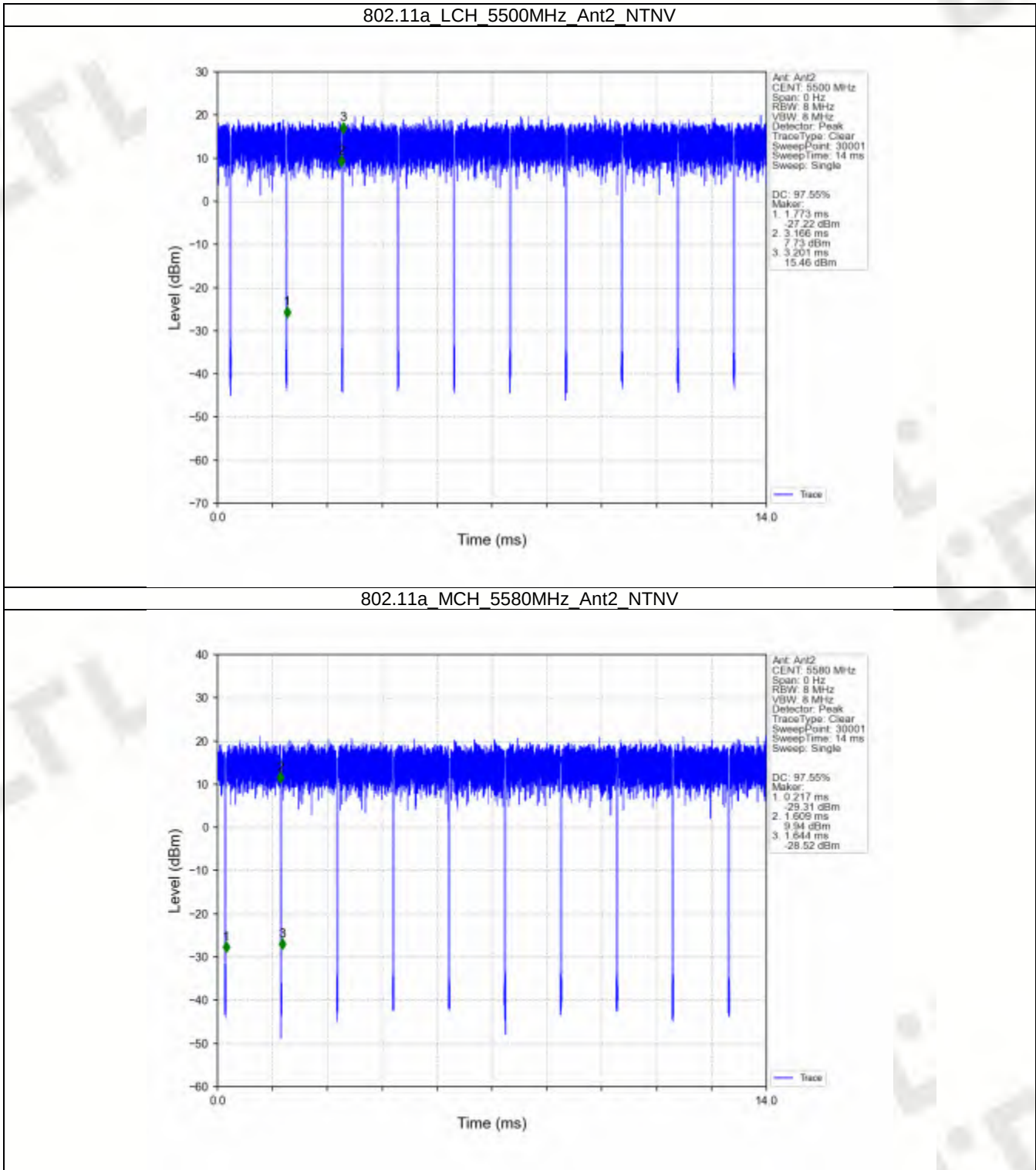


FCC ID: 2BLP-G7A1



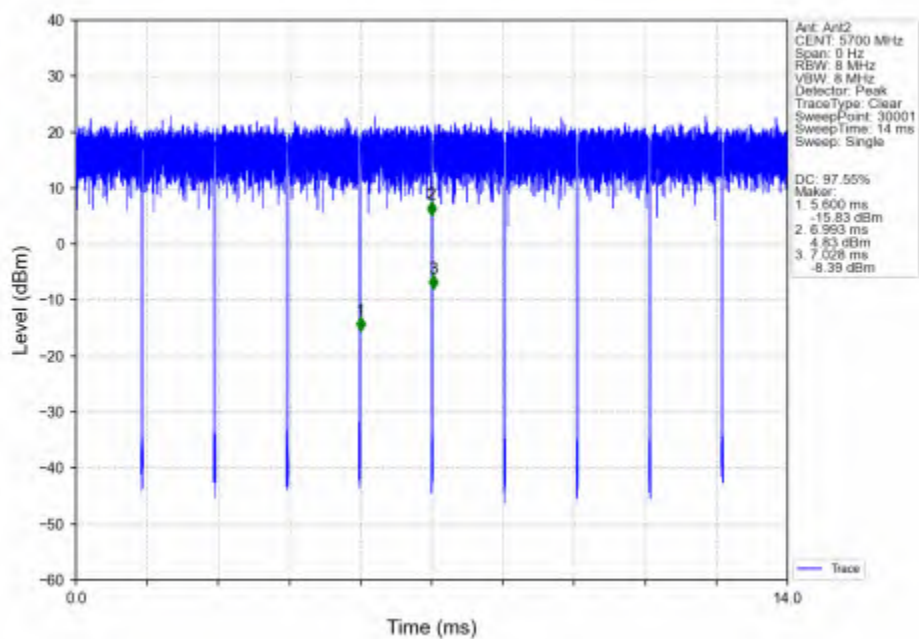
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1.2.2 Ant2

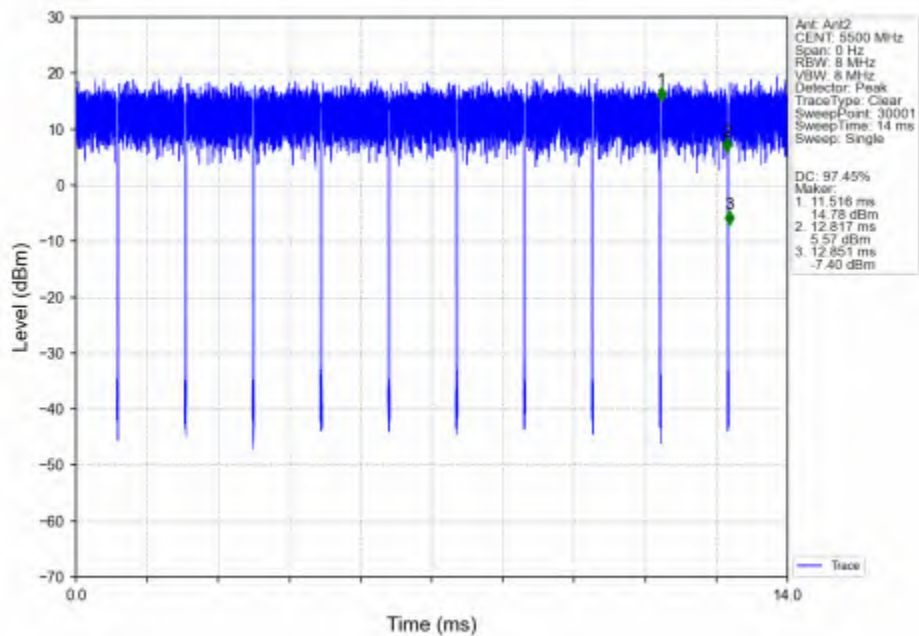


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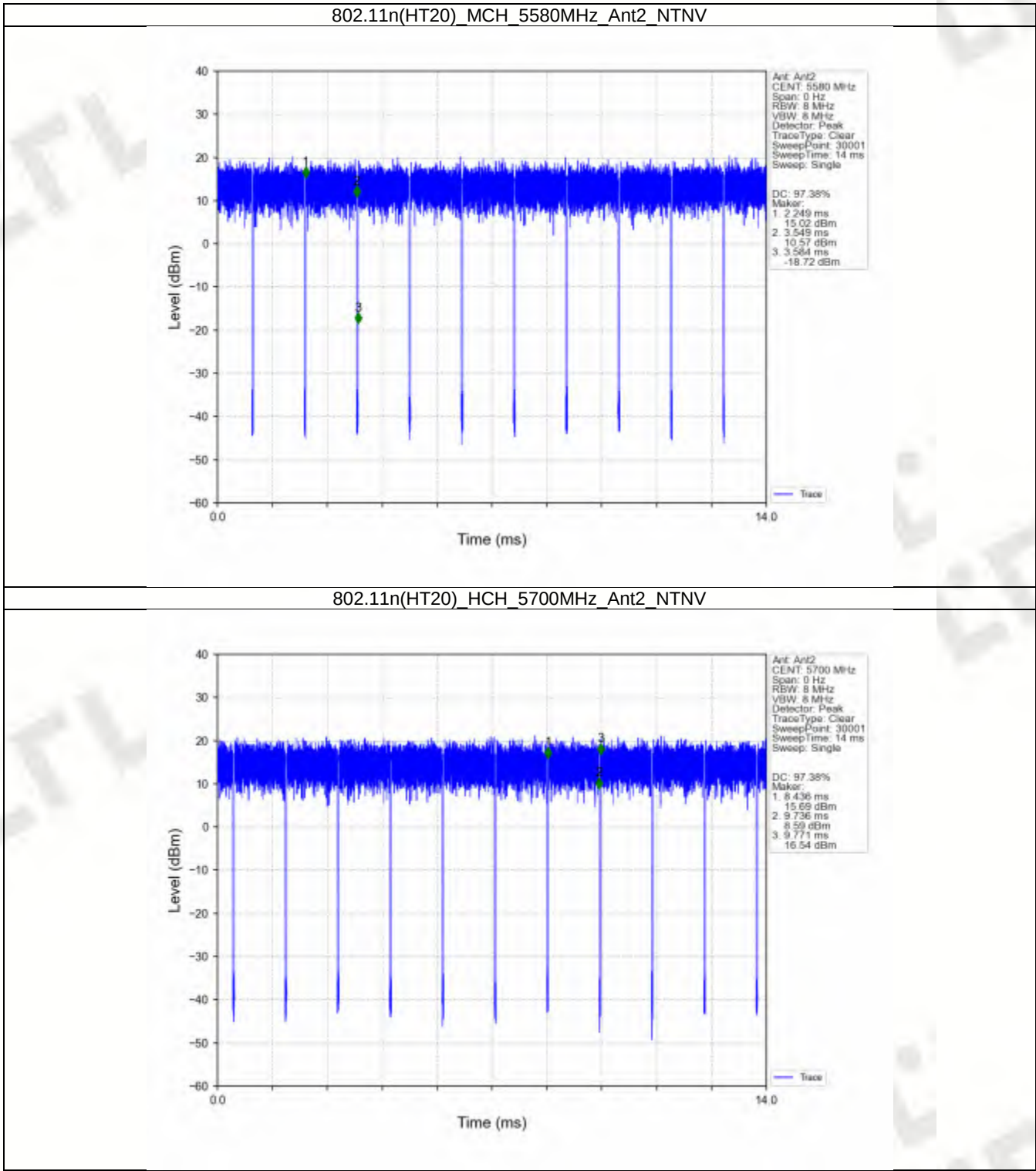
802.11a_HCH_5700MHz_Ant2_NTNV



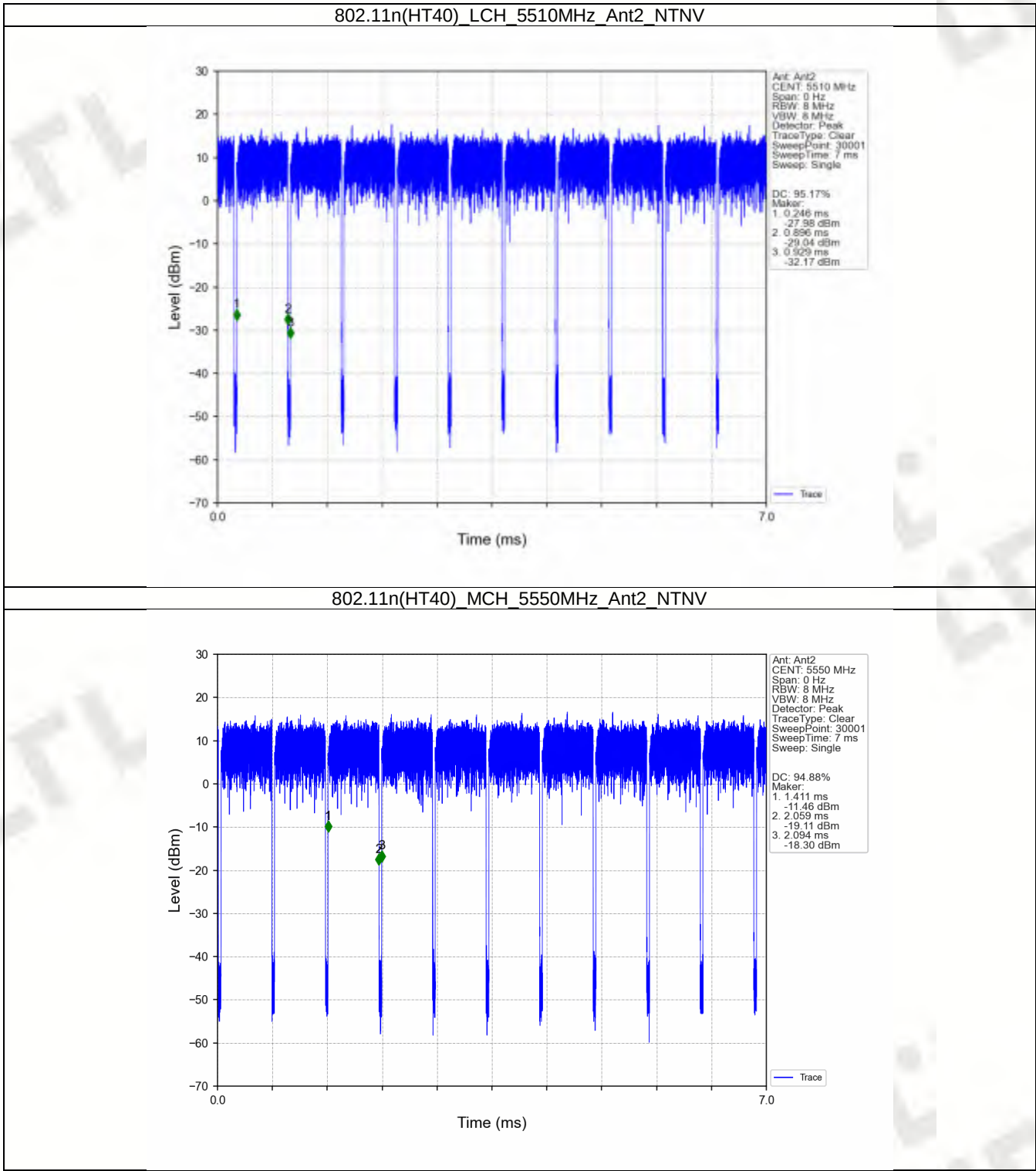
802.11n(HT20)_LCH_5500MHz_Ant2_NTNV



FCC ID: 2BLP-G7A1

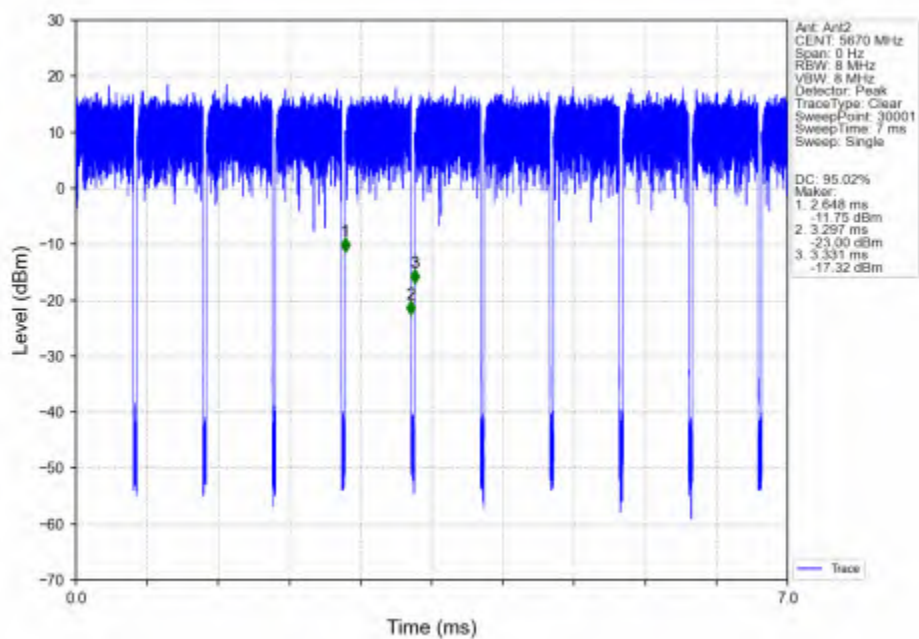


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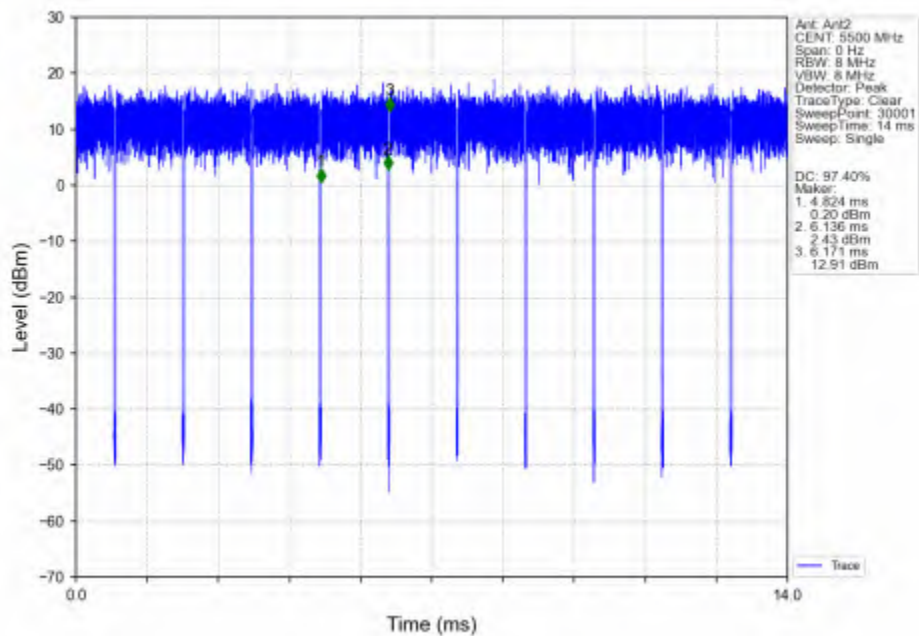


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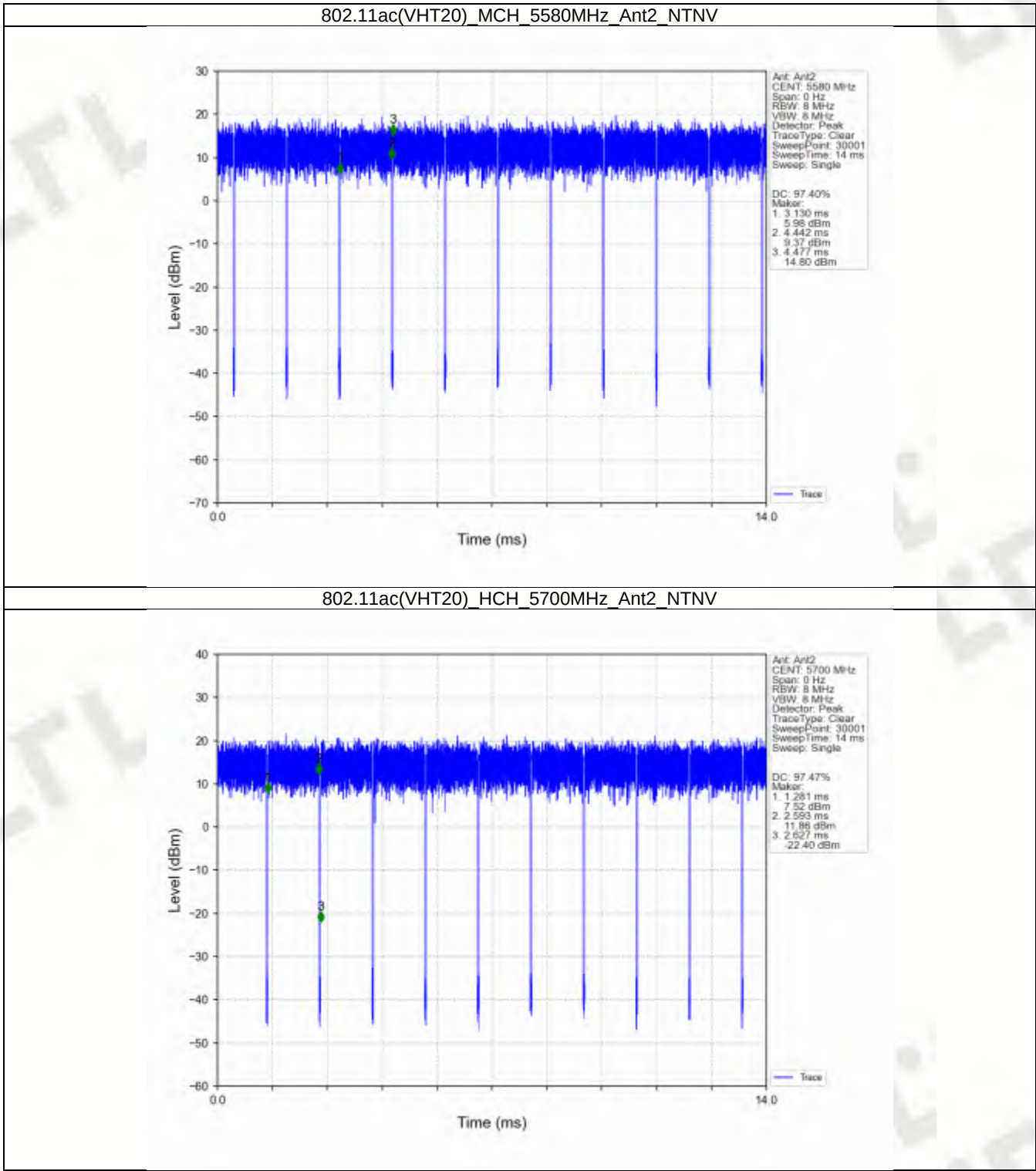
802.11n(HT40)_HCH_5670MHz_Ant2_NTNV



802.11ac(VHT20)_LCH_5500MHz_Ant2_NTNV

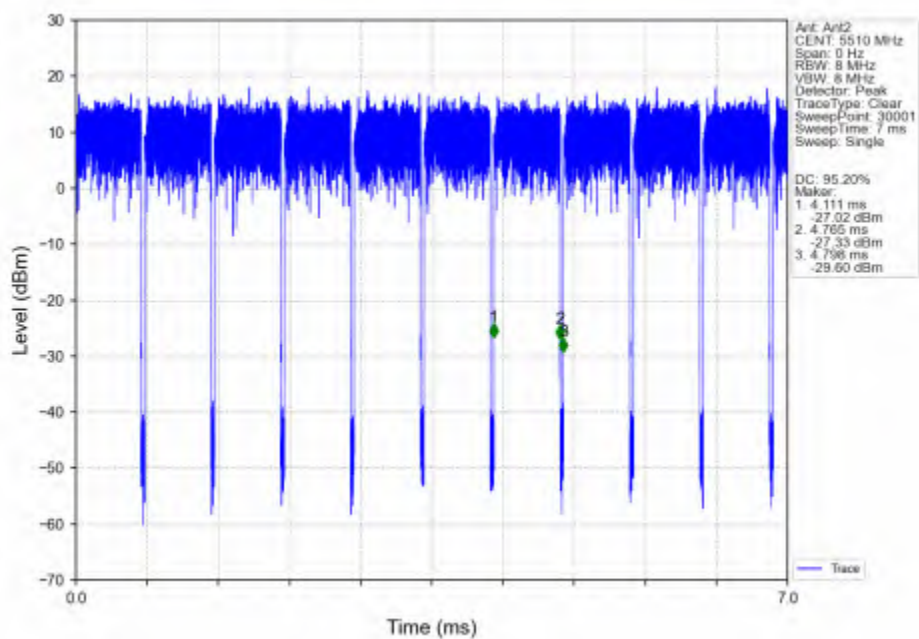


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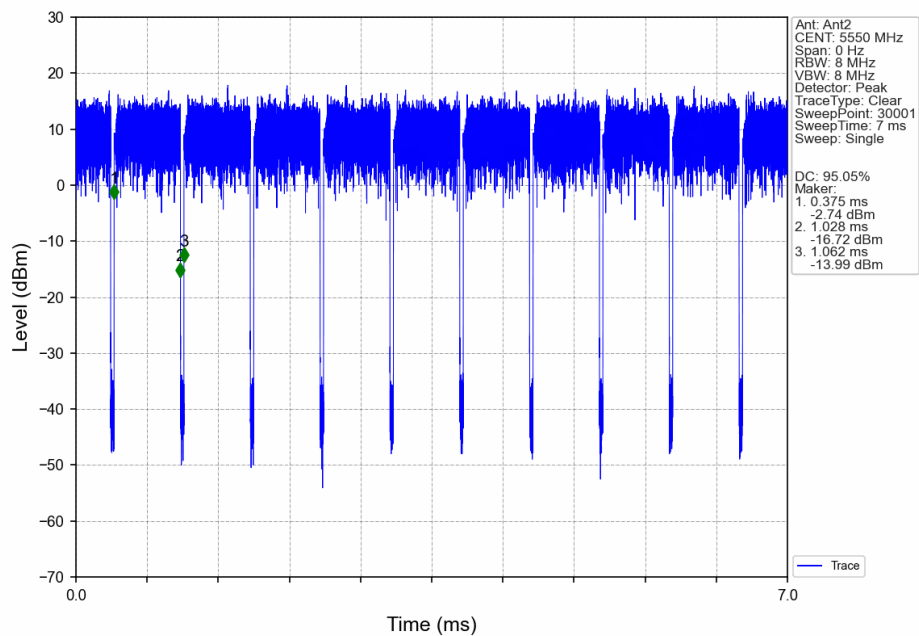


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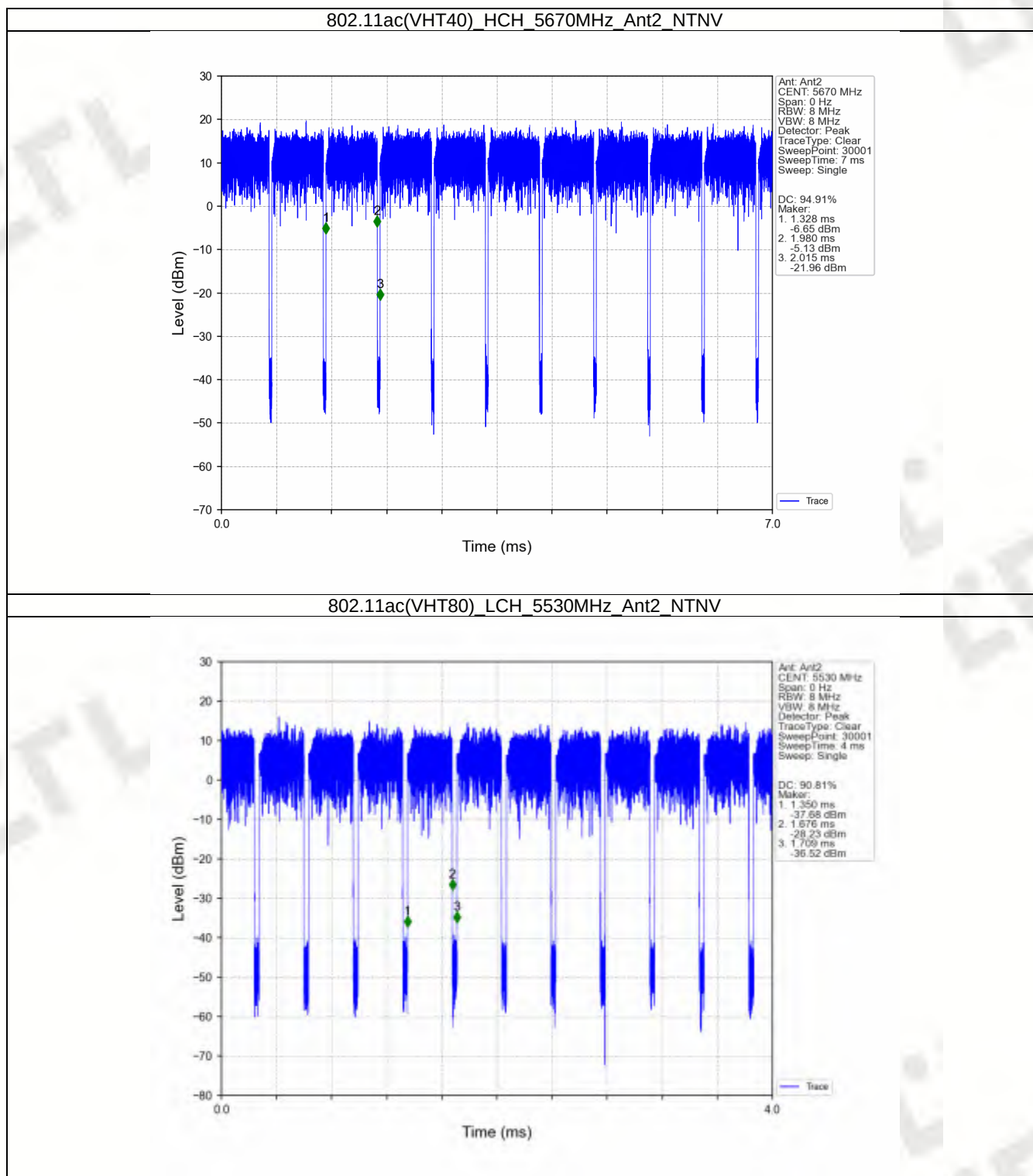
802.11ac(VHT40)_LCH_5510MHz_Ant2_NTNV



802.11ac(VHT40)_MCH_5550MHz_Ant2_NTNV

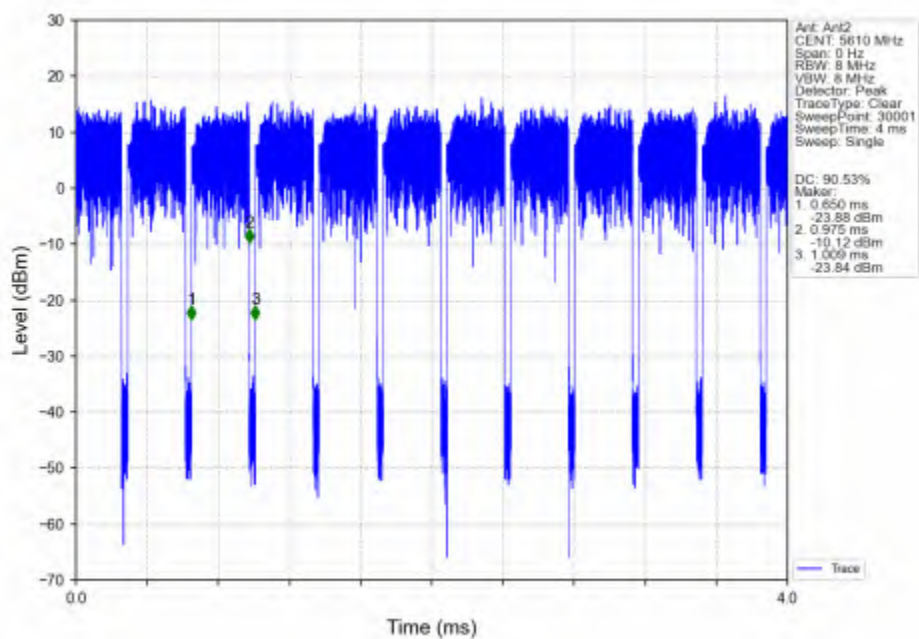


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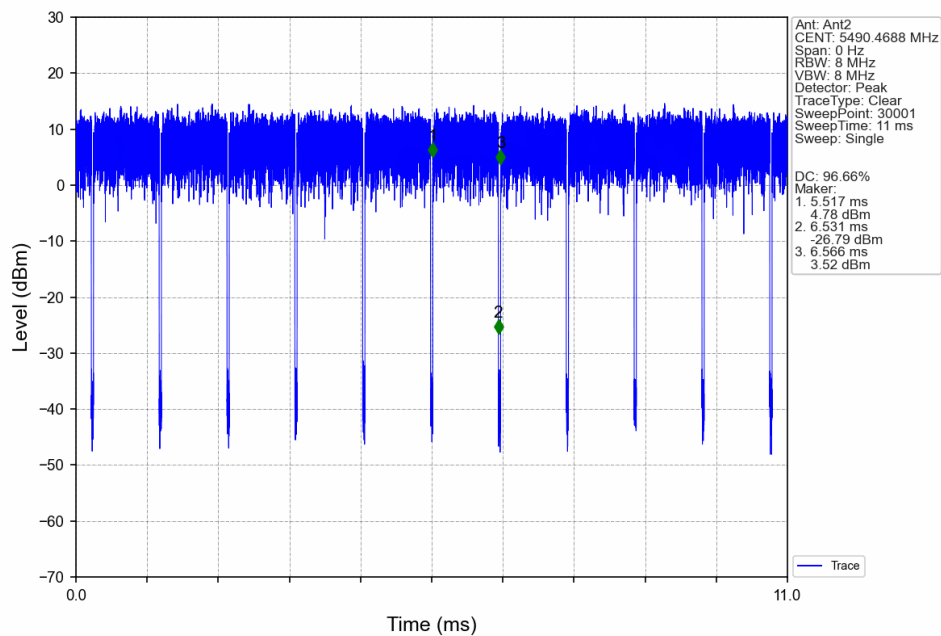


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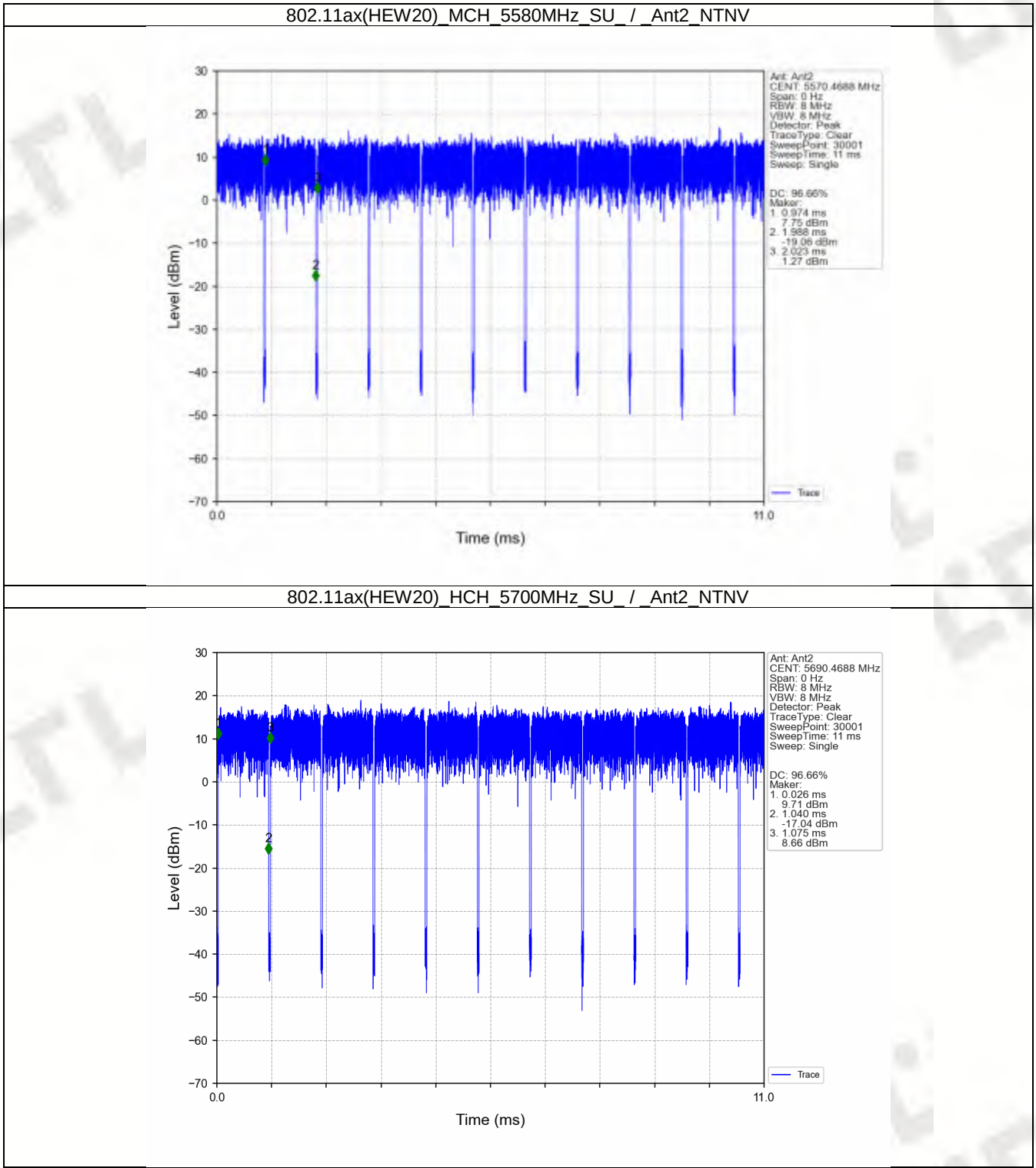
802.11ac(VHT80)_HCH_5610MHz_Ant2_NTNV



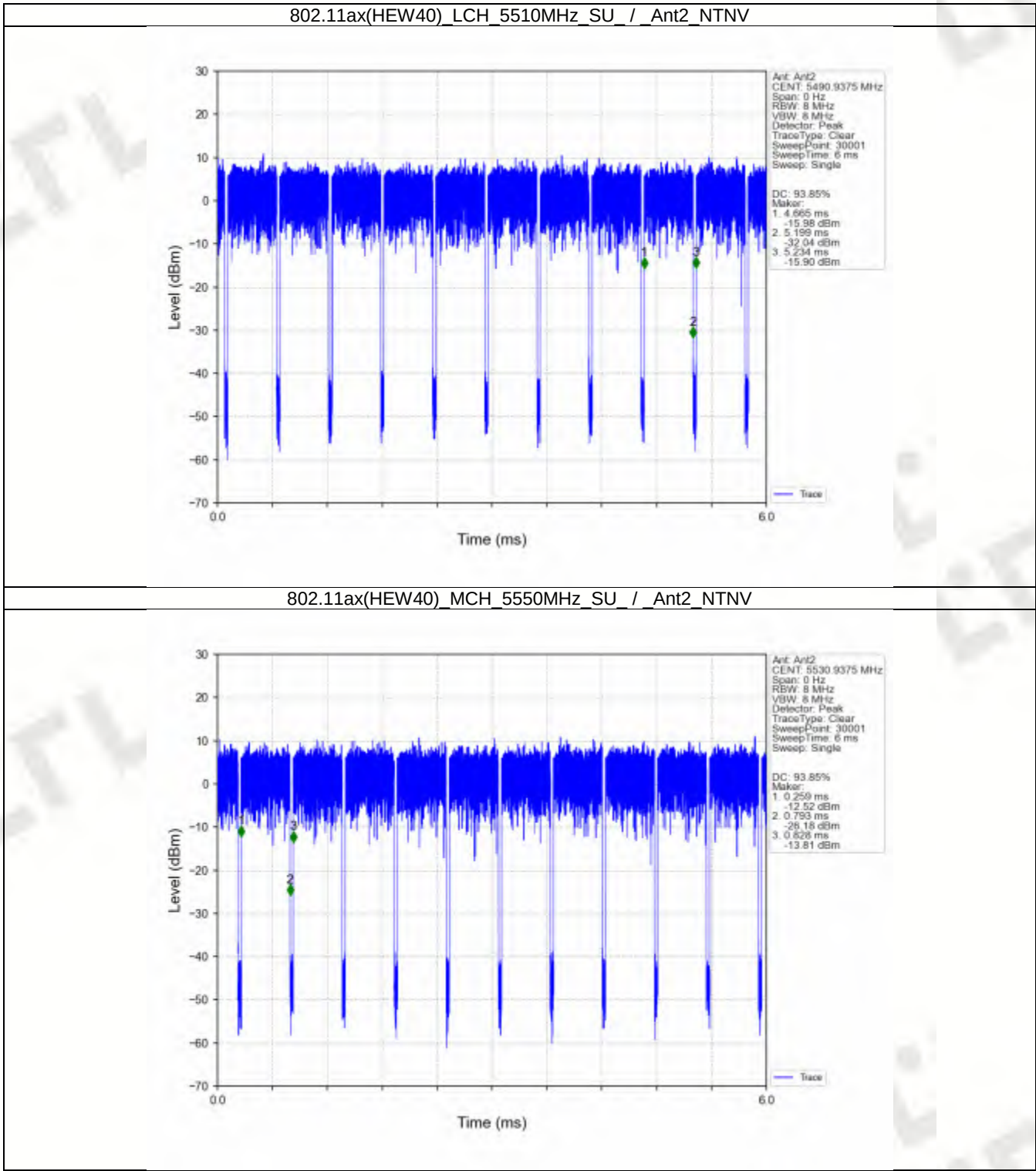
802.11ax(HEW20)_LCH_5500MHz_SU_/_Ant2_NTNV



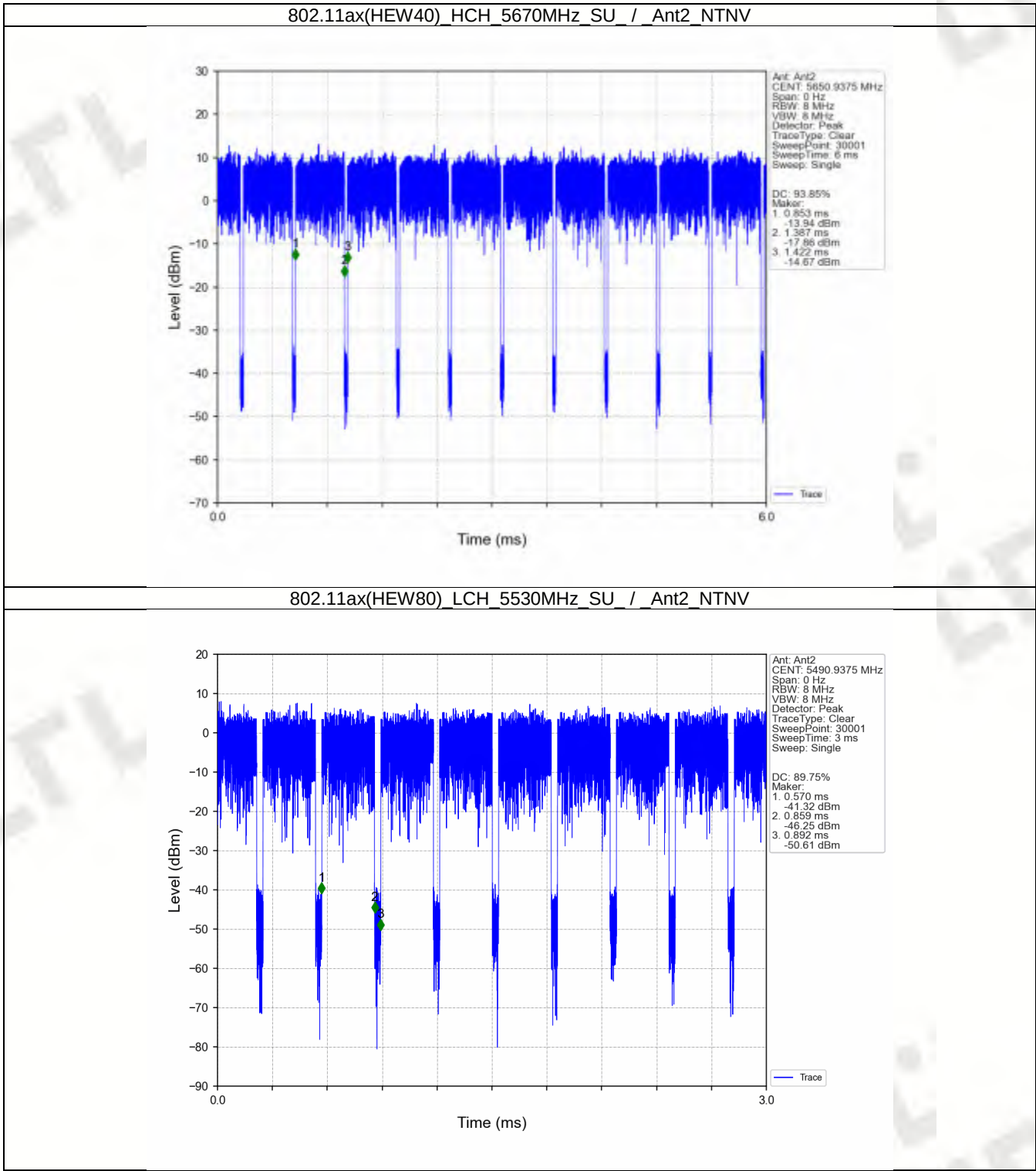
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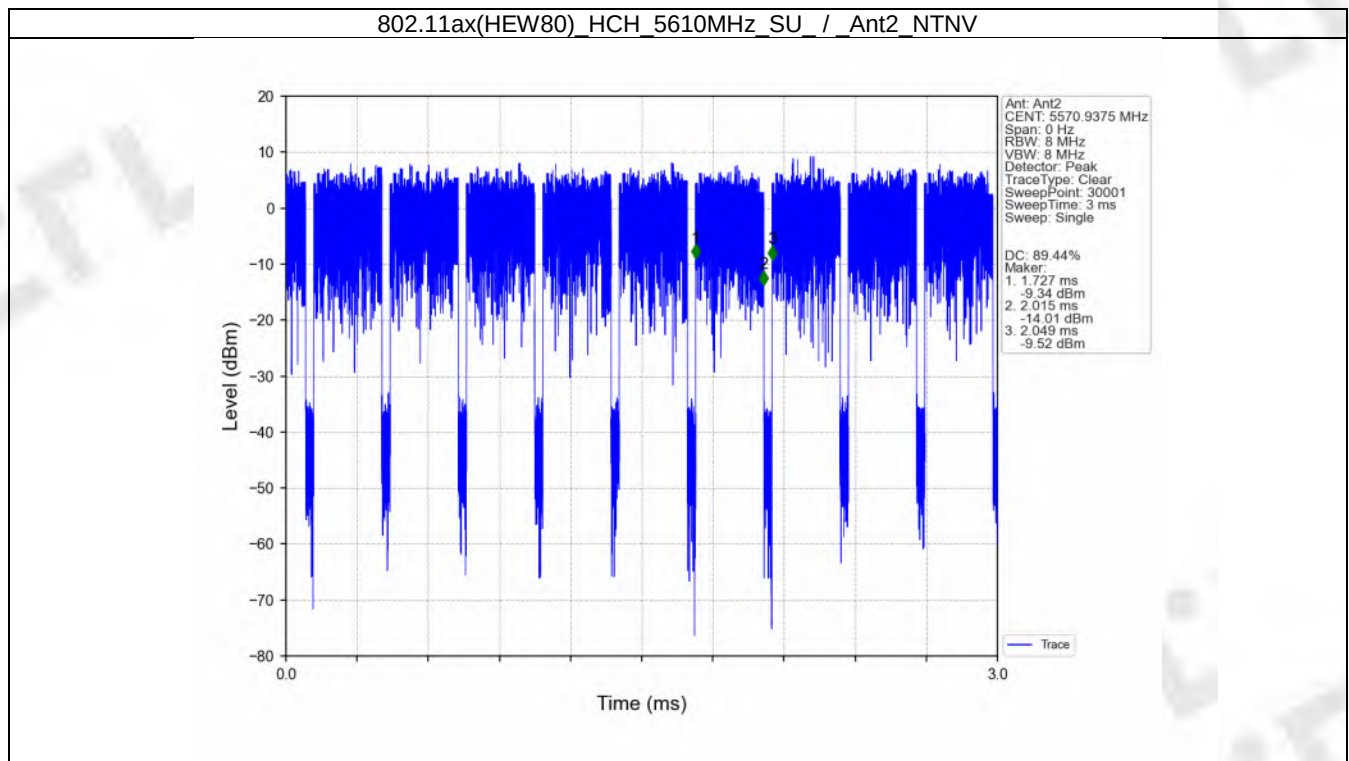
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FCC ID: 2BLP-G7A1



FCC ID: 2BLP-G7A1



FCC ID: 2BLP-G7A1

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	18.755	/	Pass
		5580	/	/	1	19.069	/	Pass
		5700	/	/	1	19.160	/	Pass
802.11n (HT20)	SISO	5500	/	/	1	19.602	/	Pass
		5580	/	/	1	19.615	/	Pass
		5700	/	/	1	19.731	/	Pass
802.11n (HT40)	SISO	5510	/	/	1	36.129	/	Pass
		5550	/	/	1	36.064	/	Pass
		5670	/	/	1	35.956	/	Pass
802.11ac (VHT20)	SISO	5500	/	/	1	19.840	/	Pass
		5580	/	/	1	19.619	/	Pass
		5700	/	/	1	19.814	/	Pass
802.11ac (VHT40)	SISO	5510	/	/	1	36.116	/	Pass
		5550	/	/	1	36.066	/	Pass
		5670	/	/	1	36.041	/	Pass
802.11ac (VHT80)	SISO	5530	/	/	1	75.600	/	Pass
		5610	/	/	1	75.607	/	Pass
802.11ax (HEW20)	SISO	5500	SU	/	1	19.374	/	Pass
		5580	SU	/	1	19.255	/	Pass
		5700	SU	/	1	19.382	/	Pass
802.11ax (HEW40)	SISO	5510	SU	/	1	37.658	/	Pass
		5550	SU	/	1	37.783	/	Pass
		5670	SU	/	1	37.624	/	Pass
802.11ax (HEW80)	SISO	5530	SU	/	1	77.244	/	Pass
		5610	SU	/	1	77.228	/	Pass

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	99% Occupied Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	SISO	5500	/	/	2	19.277	/	Pass
		5580	/	/	2	19.199	/	Pass
		5700	/	/	2	19.360	/	Pass
802.11n (HT20)	SISO	5500	/	/	2	19.829	/	Pass
		5580	/	/	2	19.705	/	Pass
		5700	/	/	2	19.684	/	Pass
802.11n (HT40)	SISO	5510	/	/	2	36.093	/	Pass
		5550	/	/	2	36.078	/	Pass
		5670	/	/	2	35.939	/	Pass
802.11ac (VHT20)	SISO	5500	/	/	2	19.788	/	Pass
		5580	/	/	2	19.795	/	Pass

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		5700	/	/	2	19.689	/	Pass
802.11ac (VHT40)	SISO	5510	/	/	2	36.026	/	Pass
		5550	/	/	2	36.014	/	Pass
		5670	/	/	2	35.961	/	Pass
802.11ac (VHT80)	SISO	5530	/	/	2	75.685	/	Pass
		5610	/	/	2	75.723	/	Pass
802.11ax (HEW20)	SISO	5500	SU	/	2	19.398	/	Pass
		5580	SU	/	2	19.278	/	Pass
		5700	SU	/	2	19.394	/	Pass
802.11ax (HEW40)	SISO	5510	SU	/	2	37.717	/	Pass
		5550	SU	/	2	37.697	/	Pass
		5670	SU	/	2	37.740	/	Pass
802.11ax (HEW80)	SISO	5530	SU	/	2	77.395	/	Pass
		5610	SU	/	2	77.203	/	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	28.100	/	Pass
		5580	/	/	1	27.346	/	Pass
		5700	/	/	1	27.641	/	Pass
802.11n (HT20)	SISO	5500	/	/	1	28.857	/	Pass
		5580	/	/	1	29.303	/	Pass
		5700	/	/	1	31.988	/	Pass
802.11n (HT40)	SISO	5510	/	/	1	40.959	/	Pass
		5550	/	/	1	40.623	/	Pass
		5670	/	/	1	40.440	/	Pass
802.11ac (VHT20)	SISO	5500	/	/	1	28.842	/	Pass
		5580	/	/	1	28.292	/	Pass
		5700	/	/	1	34.678	/	Pass
802.11ac (VHT40)	SISO	5510	/	/	1	40.875	/	Pass
		5550	/	/	1	40.691	/	Pass
		5670	/	/	1	40.530	/	Pass
802.11ac (VHT80)	SISO	5530	/	/	1	80.652	/	Pass
		5610	/	/	1	80.555	/	Pass
802.11ax (HEW20)	SISO	5500	SU	/	1	26.850	/	Pass
		5580	SU	/	1	27.147	/	Pass
		5700	SU	/	1	25.469	/	Pass
802.11ax (HEW40)	SISO	5510	SU	/	1	39.995	/	Pass
		5550	SU	/	1	39.935	/	Pass
		5670	SU	/	1	39.775	/	Pass
802.11ax (HEW80)	SISO	5530	SU	/	1	81.266	/	Pass
		5610	SU	/	1	81.310	/	Pass

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	26dB Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	SISO	5500	/	/	2	28.334	/	Pass
		5580	/	/	2	28.563	/	Pass
		5700	/	/	2	29.717	/	Pass
802.11n (HT20)	SISO	5500	/	/	2	29.173	/	Pass
		5580	/	/	2	29.491	/	Pass
		5700	/	/	2	27.884	/	Pass

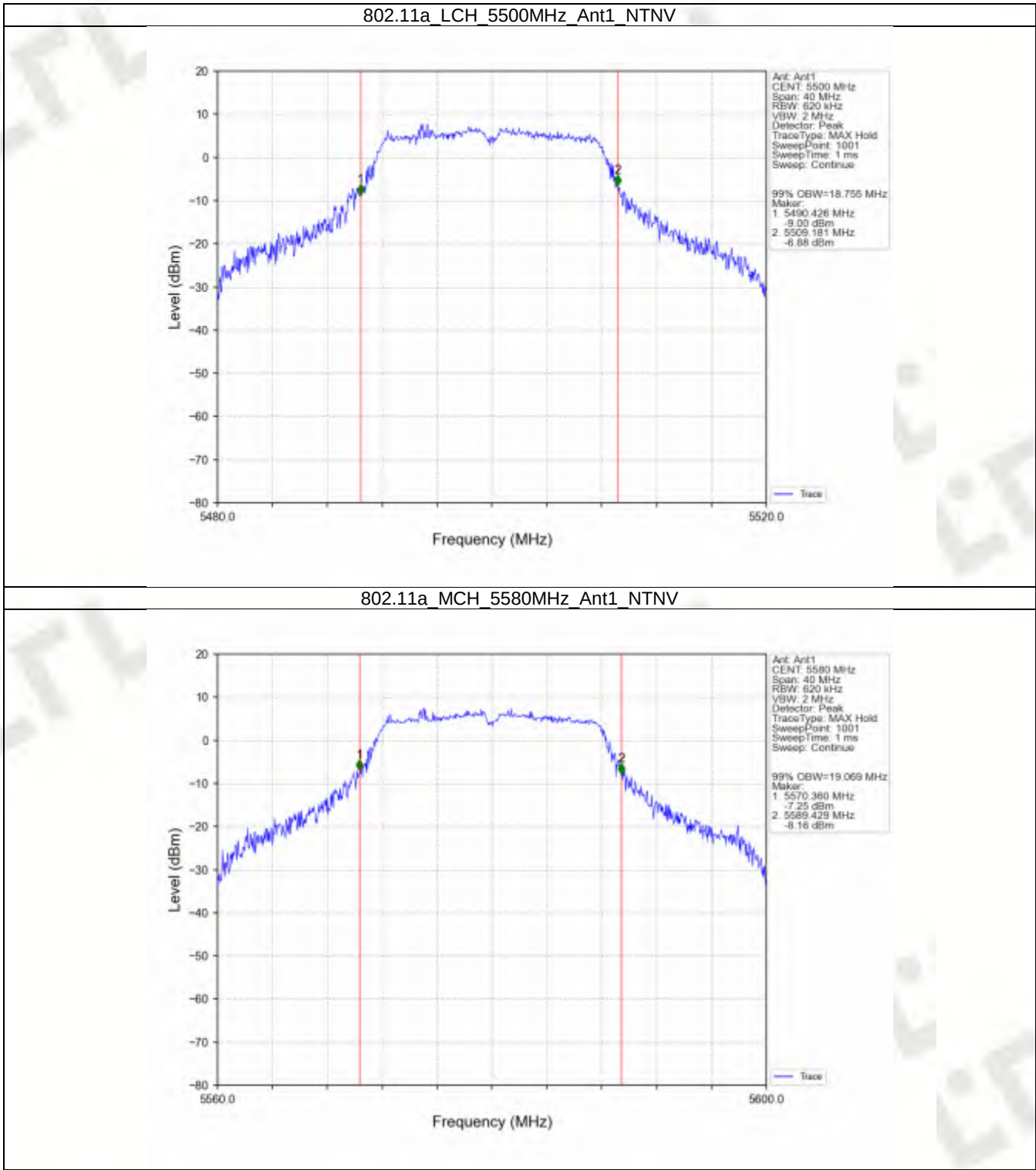
FCC ID: 2BLP-G7A1

802.11n (HT40)	SISO	5510	/	/	2	41.306	/	Pass
		5550	/	/	2	40.860	/	Pass
		5670	/	/	2	40.709	/	Pass
802.11ac (VHT20)	SISO	5500	/	/	2	29.096	/	Pass
		5580	/	/	2	29.128	/	Pass
		5700	/	/	2	29.421	/	Pass
802.11ac (VHT40)	SISO	5510	/	/	2	40.657	/	Pass
		5550	/	/	2	40.757	/	Pass
		5670	/	/	2	40.791	/	Pass
802.11ac (VHT80)	SISO	5530	/	/	2	80.650	/	Pass
		5610	/	/	2	83.066	/	Pass
802.11ax (HEW20)	SISO	5500	SU	/	2	22.471	/	Pass
		5580	SU	/	2	23.747	/	Pass
		5700	SU	/	2	24.940	/	Pass
802.11ax (HEW40)	SISO	5510	SU	/	2	40.015	/	Pass
		5550	SU	/	2	39.985	/	Pass
		5670	SU	/	2	40.144	/	Pass
802.11ax (HEW80)	SISO	5530	SU	/	2	81.647	/	Pass
		5610	SU	/	2	81.668	/	Pass

FCC ID: 2BLP-G7A1

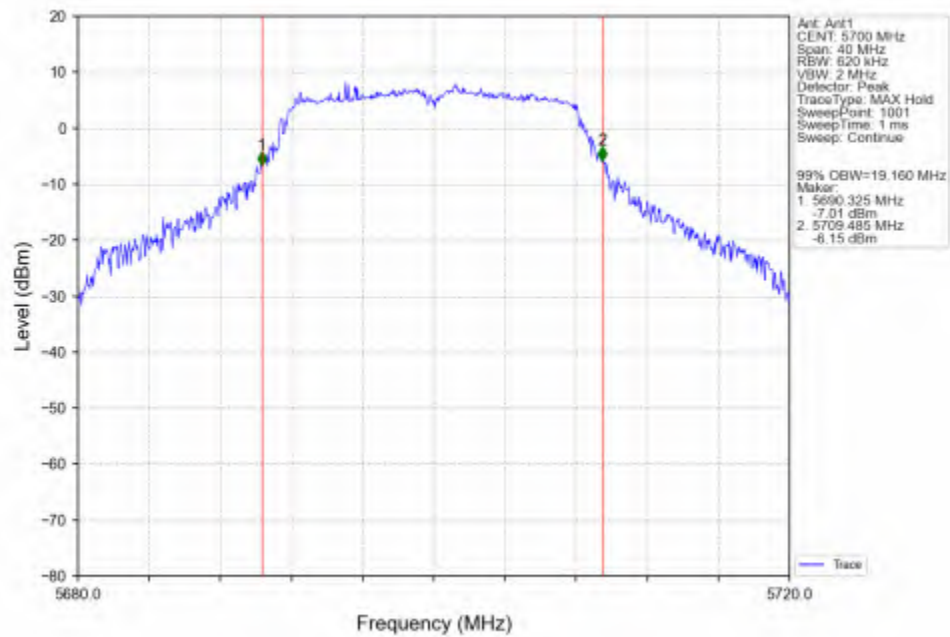
2.2 Test Graph

2.2.1 OBW

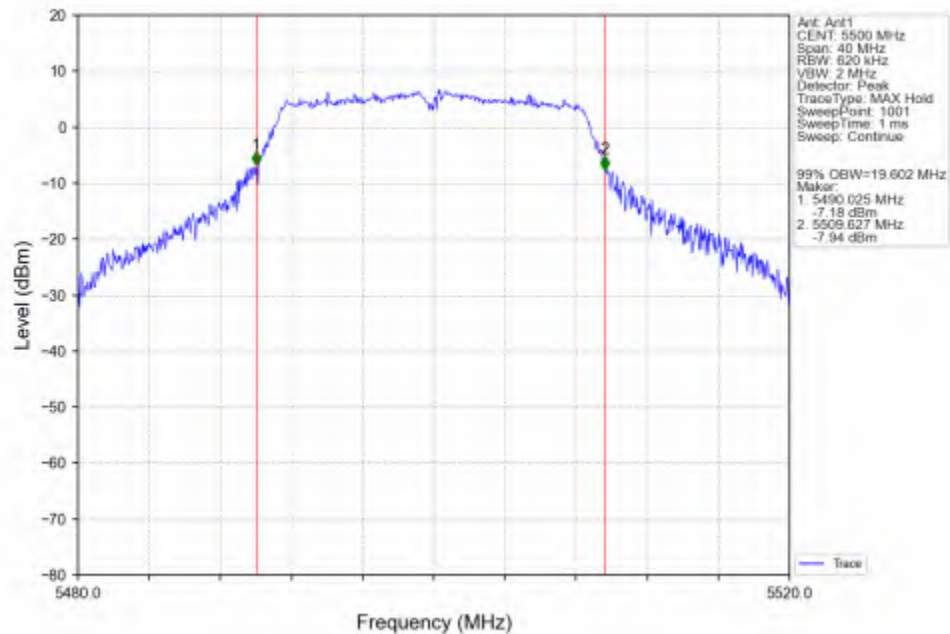


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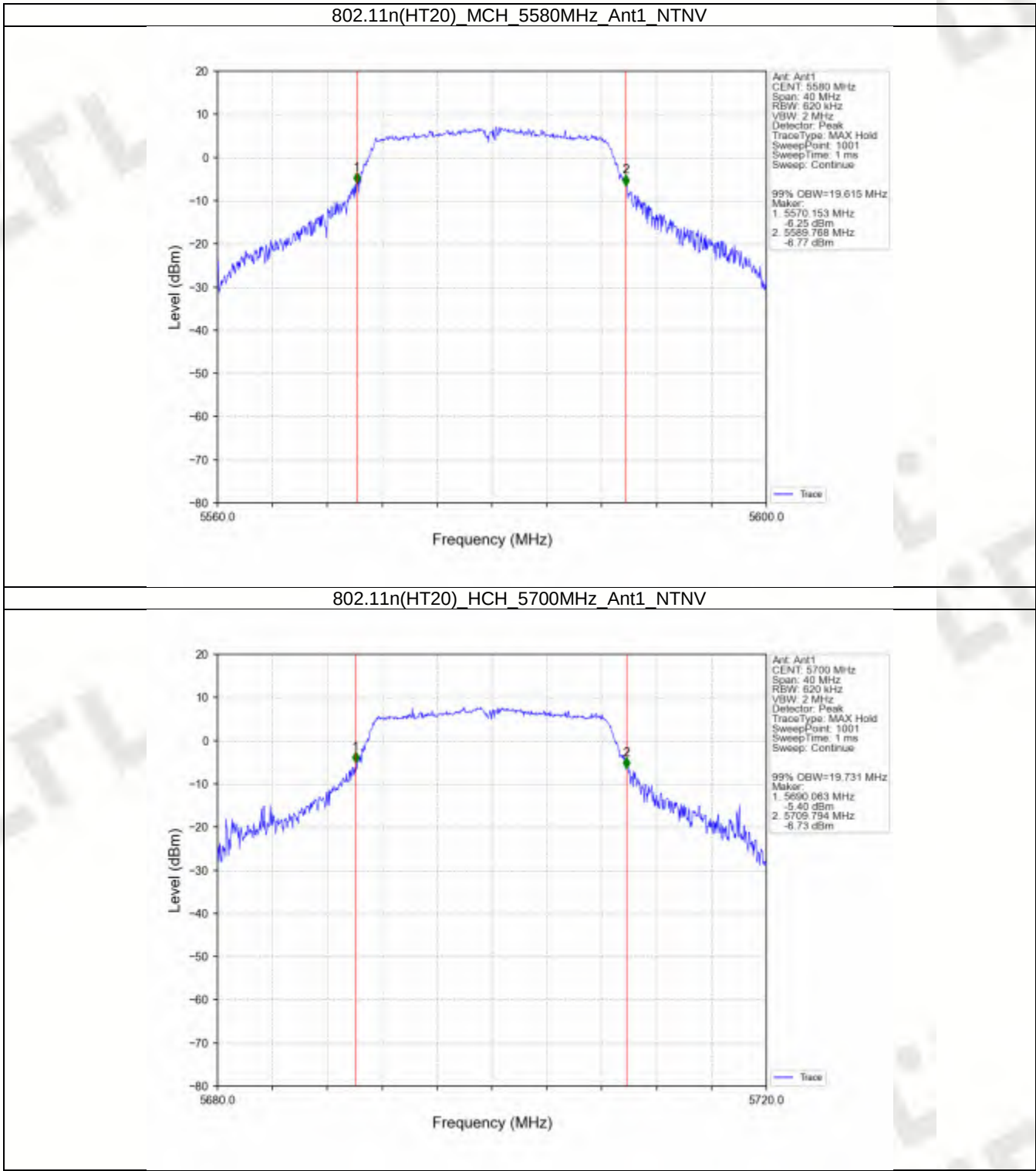
802.11a_HCH_5700MHz_Ant1_NTNV



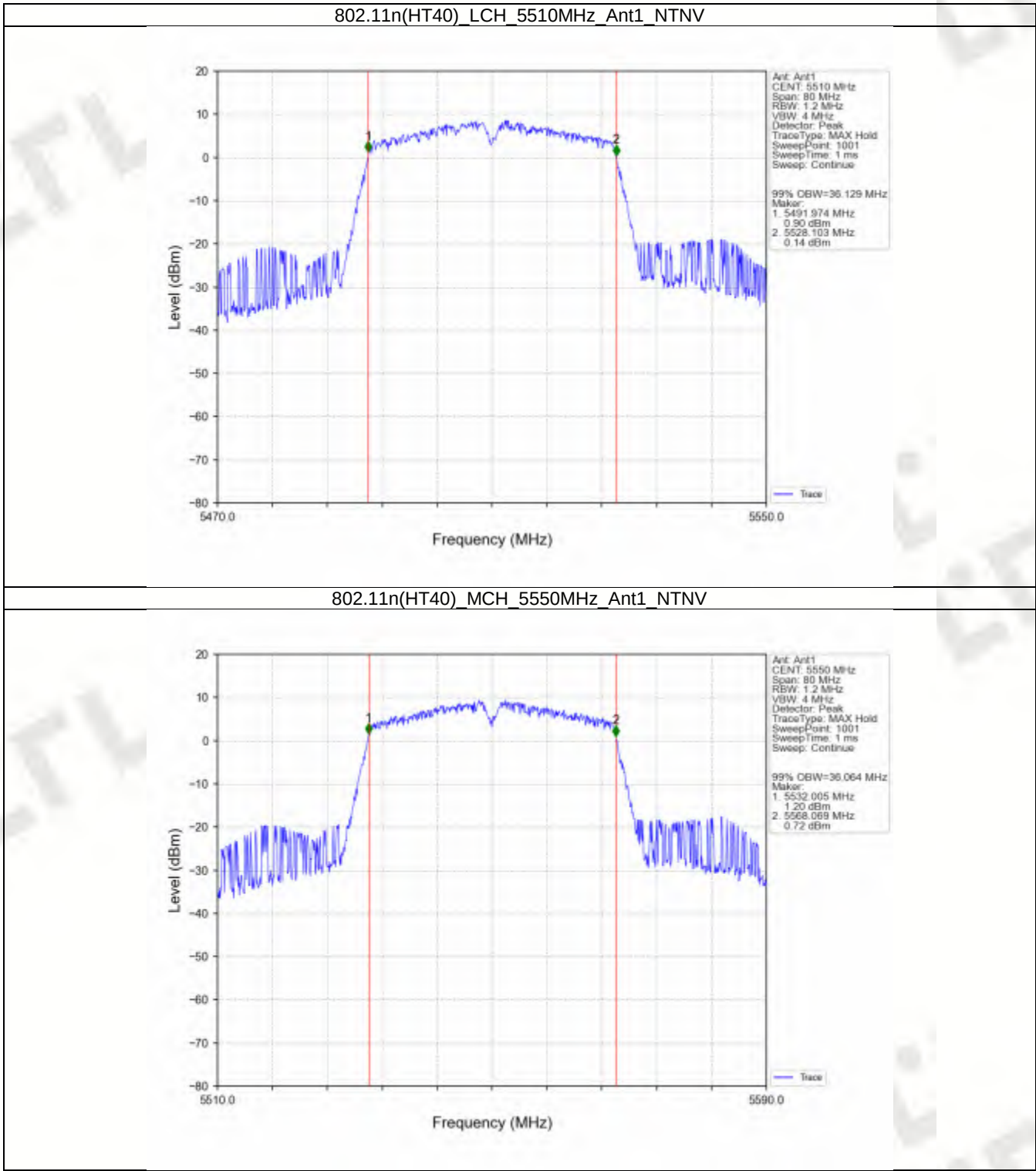
802.11n(HT20)_LCH_5500MHz_Ant1_NTNV



FCC ID: 2BLP-G7A1

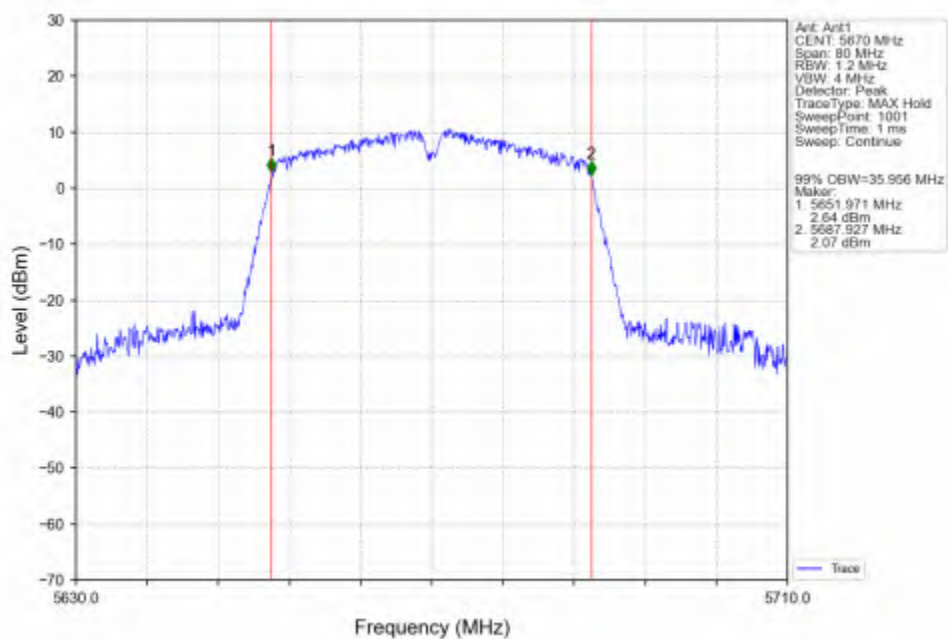


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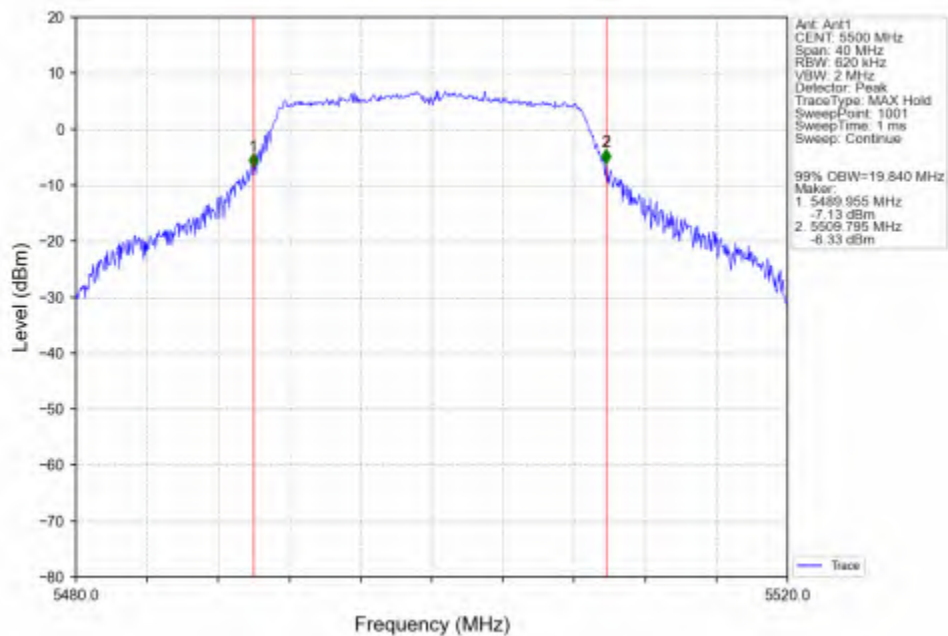


FCC ID: 2BLP-G7A1

802.11n(HT40) HCH 5670MHz_Ant1_NTNV

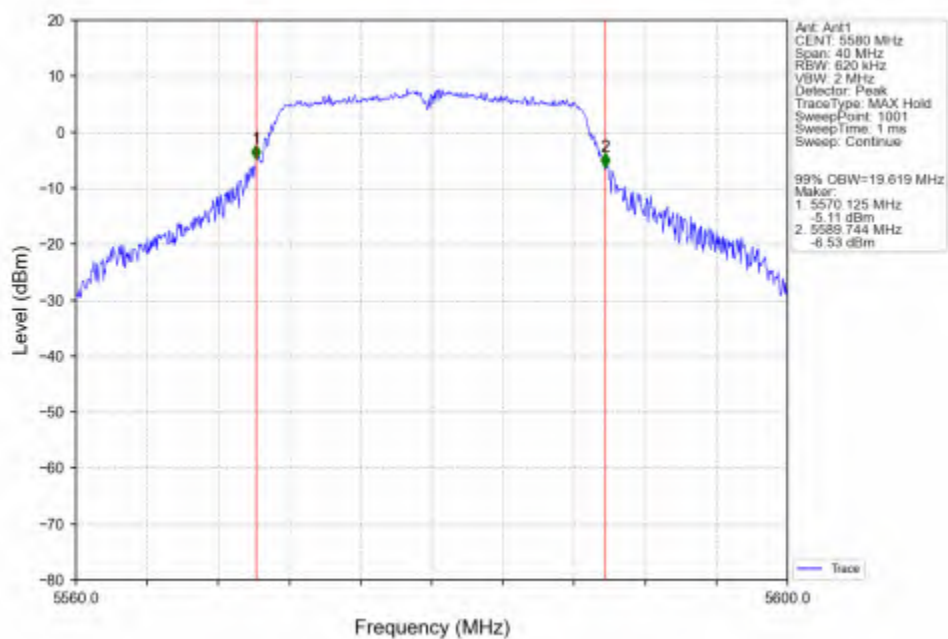


802.11ac(VHT20) LCH 5500MHz_Ant1_NTNV

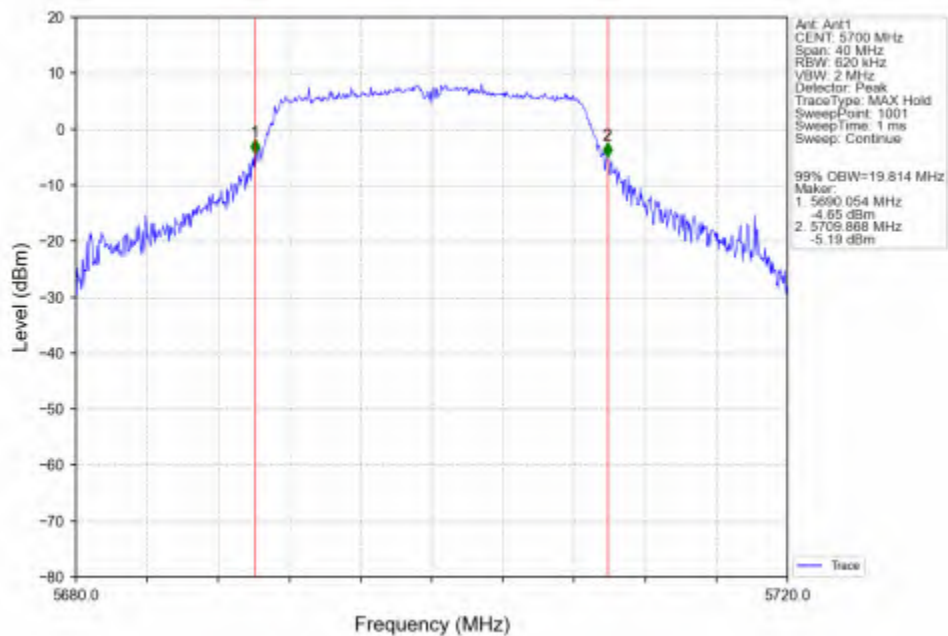


FCC ID: 2BLP-G7A1

802.11ac(VHT20)_MCH_5580MHz_Ant1_NTNV

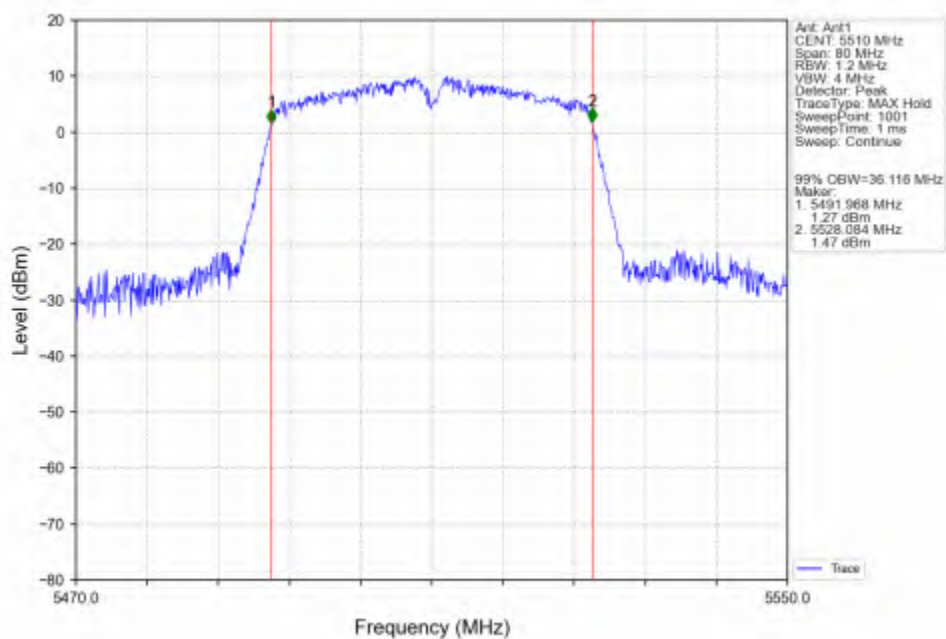


802.11ac(VHT20)_HCH_5700MHz_Ant1_NTNV

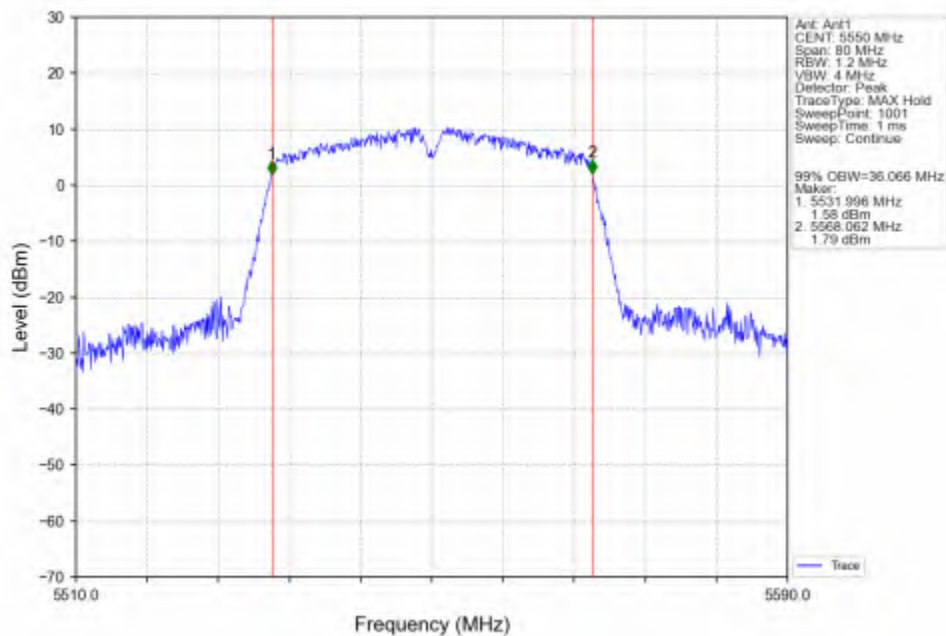


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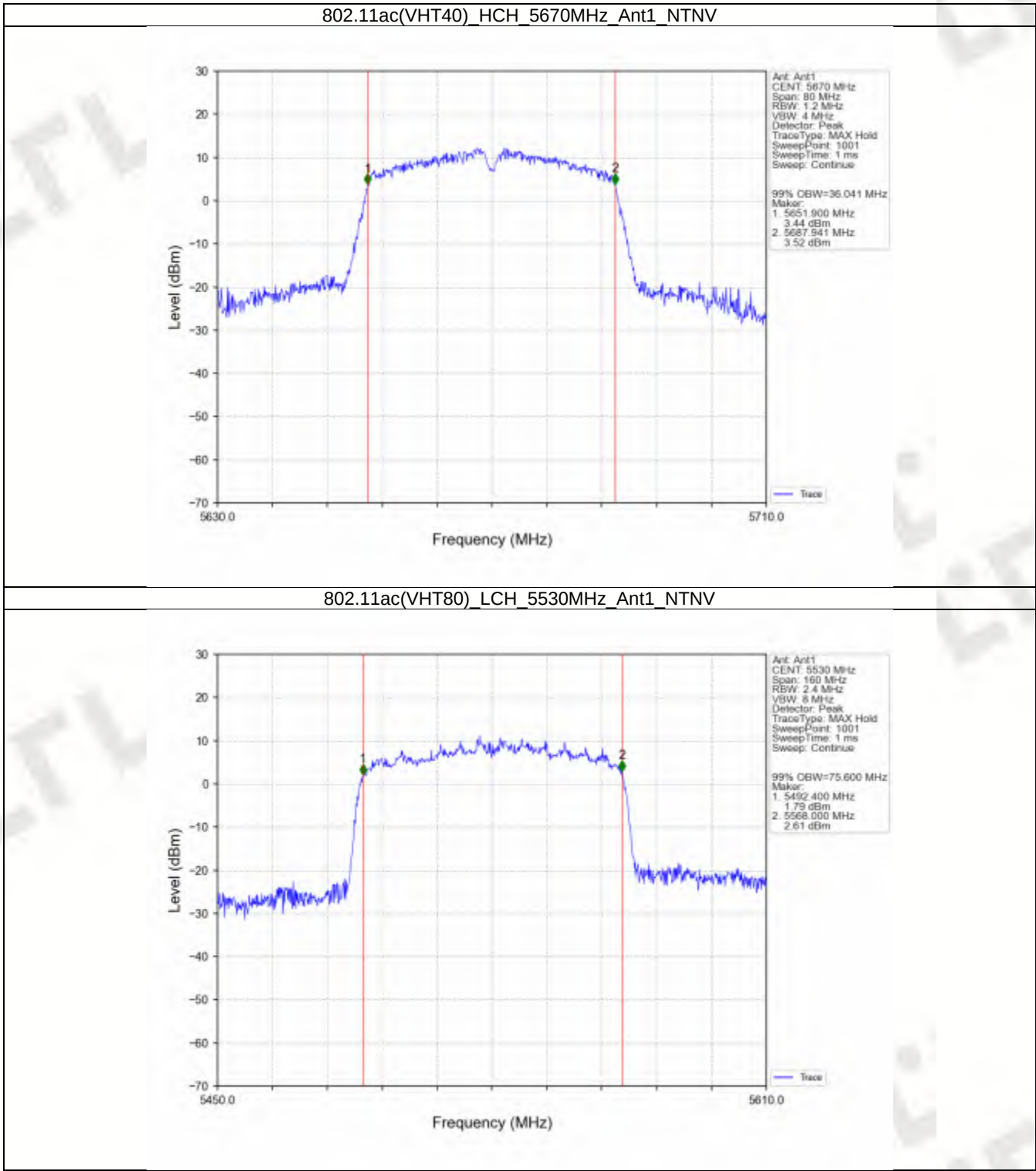
802.11ac(VHT40)_LCH_5510MHz_Ant1_NTNV



802.11ac(VHT40)_MCH_5550MHz_Ant1_NTNV

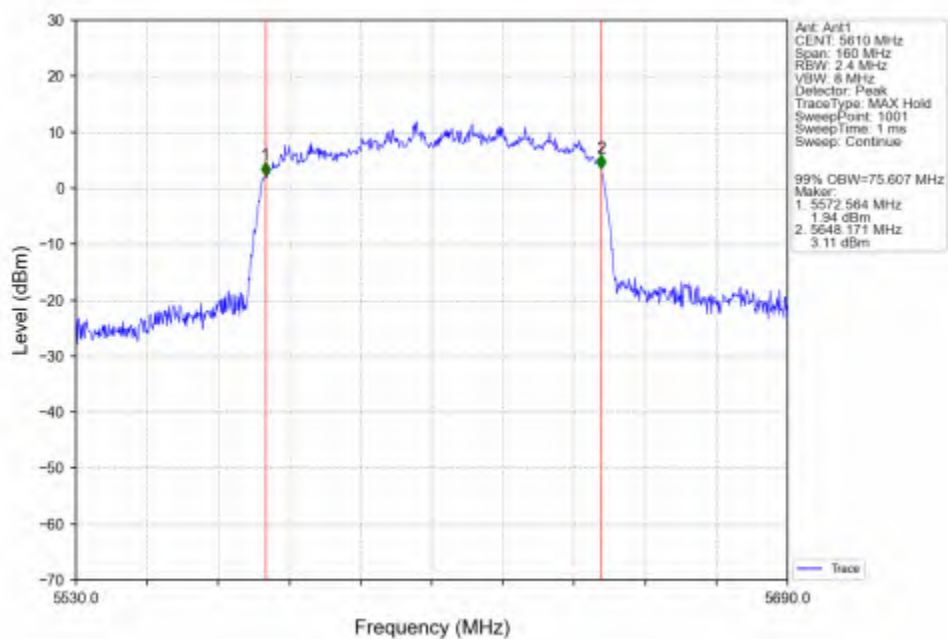


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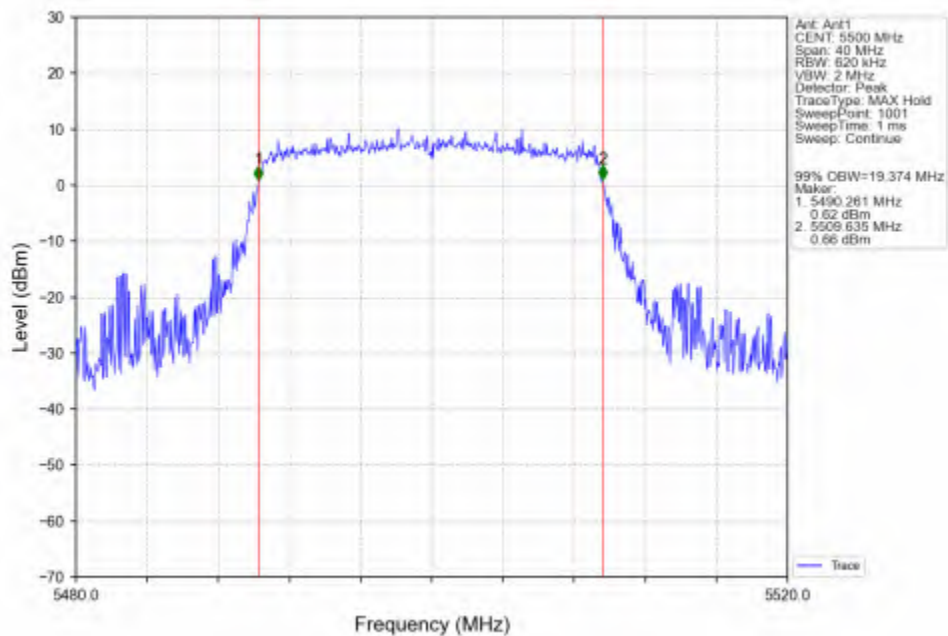


FCC ID: 2BLP-G7A1

802.11ac(VHT80)_HCH_5610MHz_Ant1_NTNV

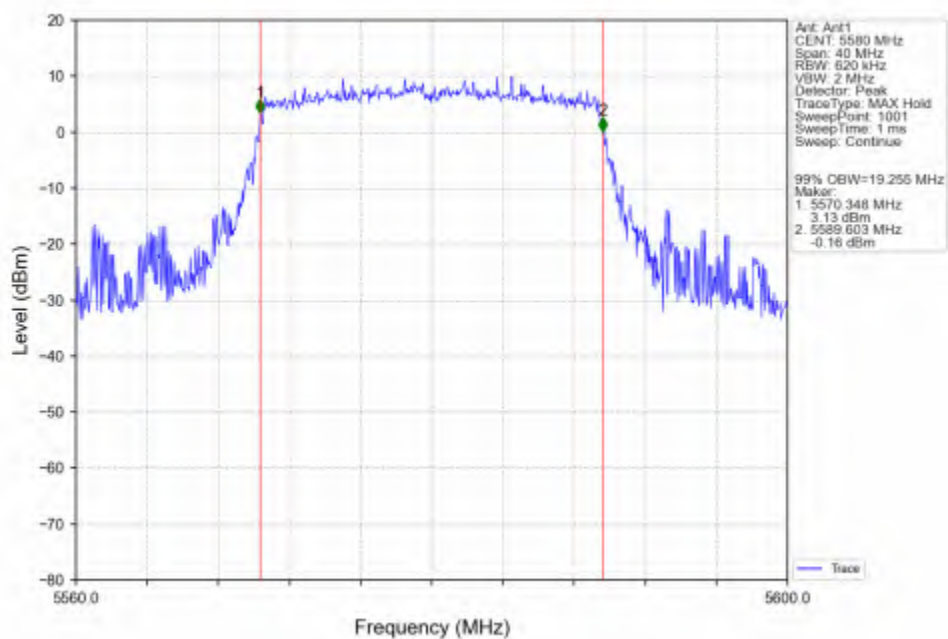


802.11ax(HEW20)_LCH_5500MHz_SU_/_Ant1_NTNV

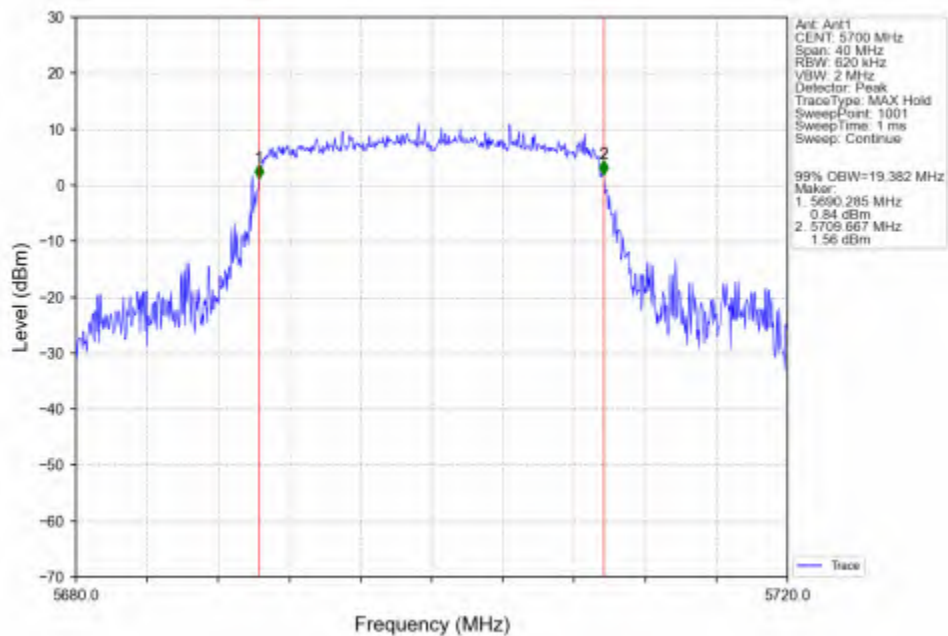


FCC ID: 2BLP-G7A1

802.11ax(HEW20)_MCH_5580MHz_SU_ / Ant1_NTNV

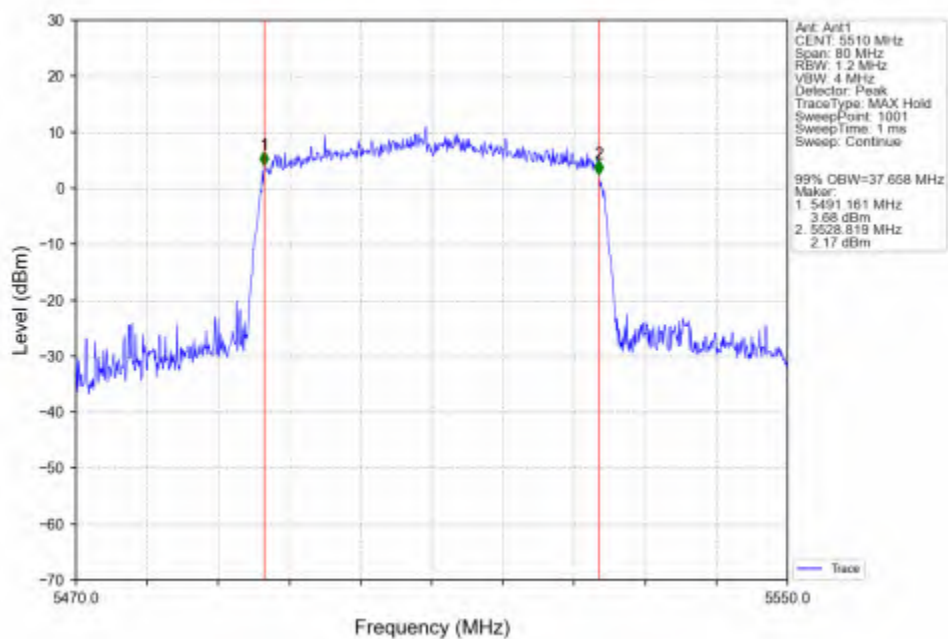


802.11ax(HEW20)_HCH_5700MHz_SU_ / Ant1_NTNV

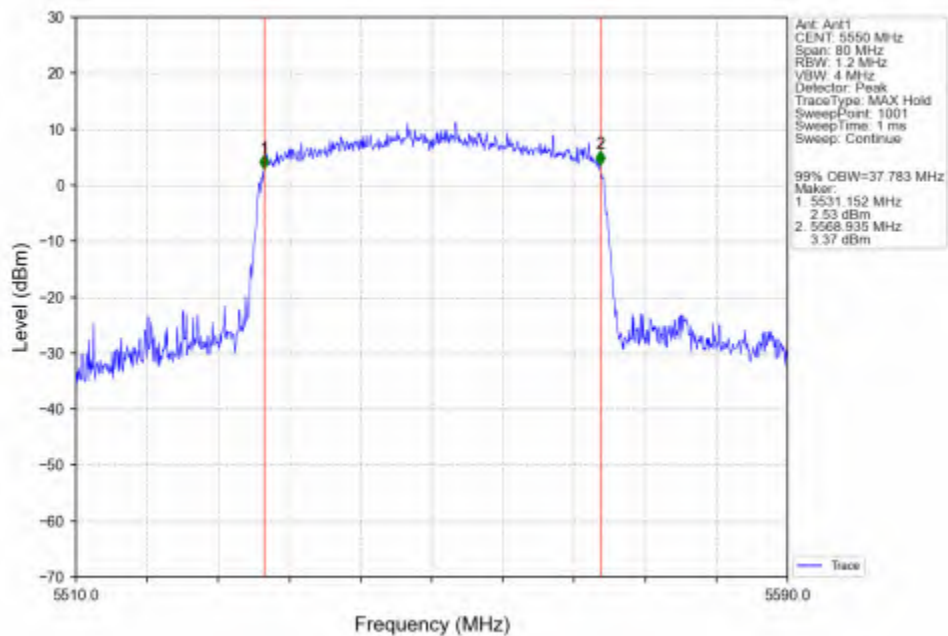


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802.11ax(HEW40)_LCH_5510MHz_SU_ / _Ant1_NTNV

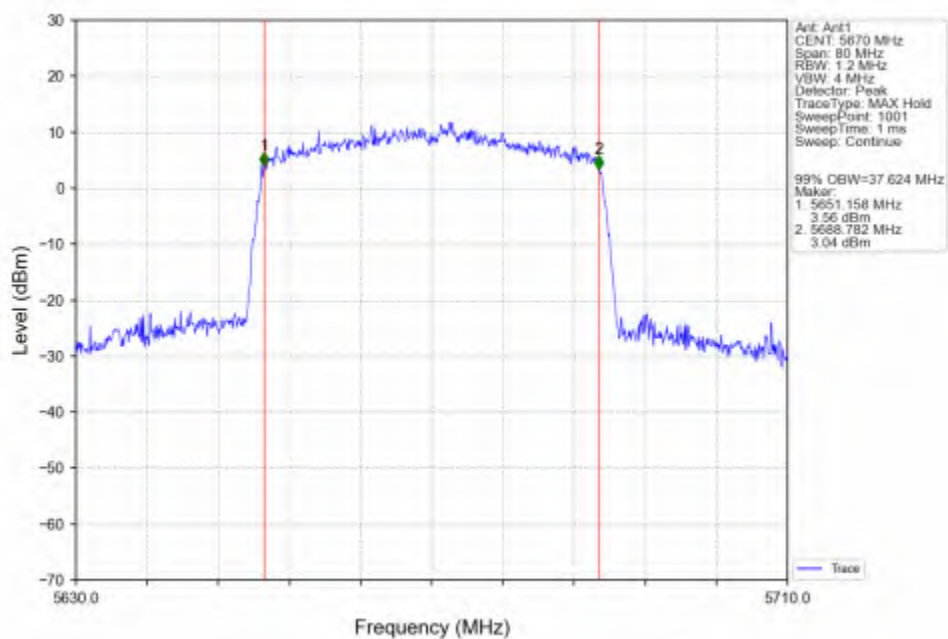


802.11ax(HEW40)_MCH_5550MHz_SU_ / _Ant1_NTNV

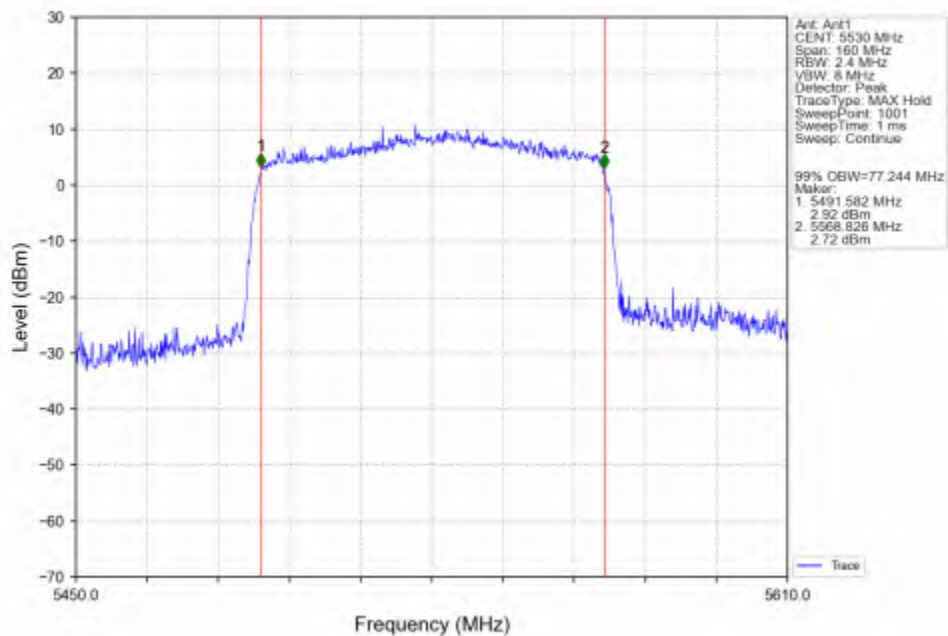


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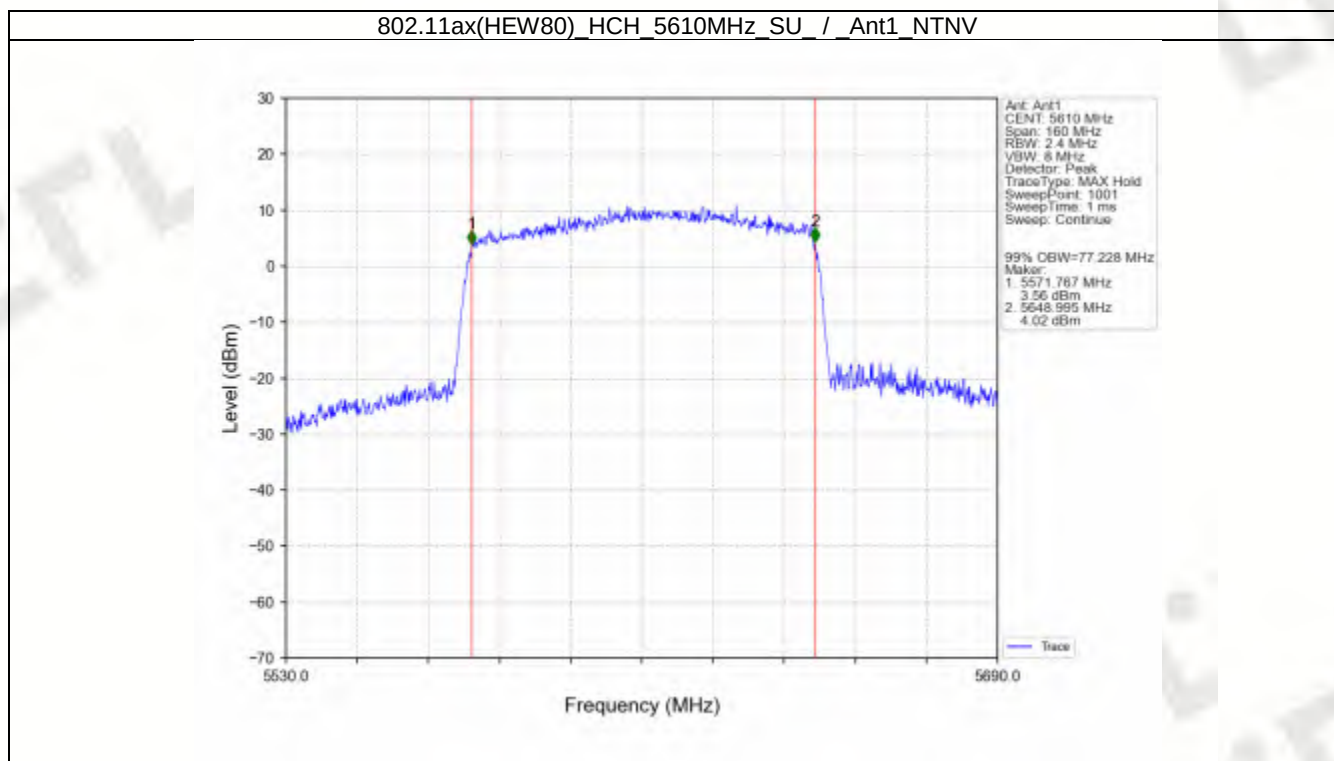
802.11ax(HEW40)_HCH_5670MHz_SU_ / _Ant1_NTNV



802.11ax(HEW80)_LCH_5530MHz_SU_ / _Ant1_NTNV

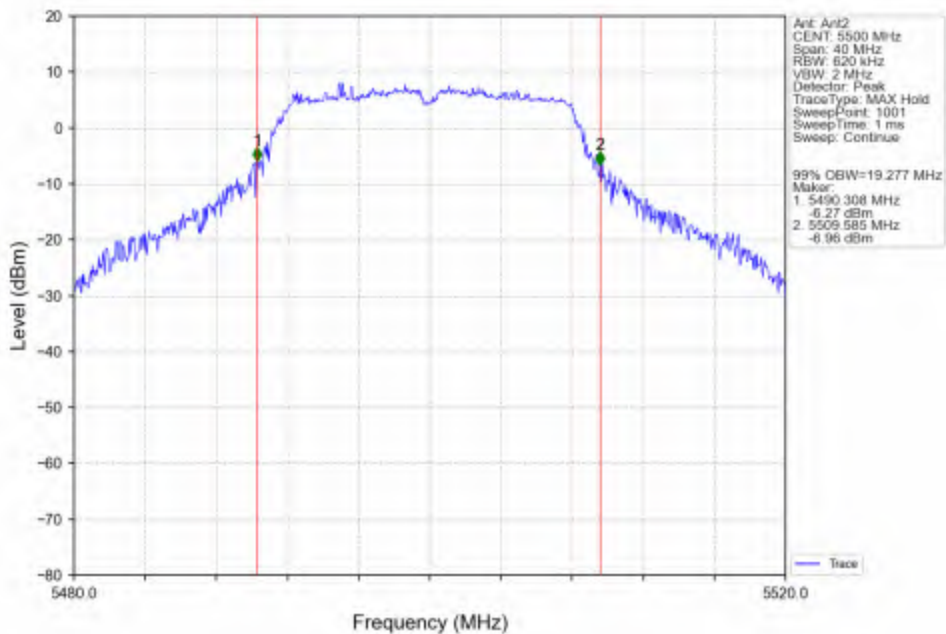


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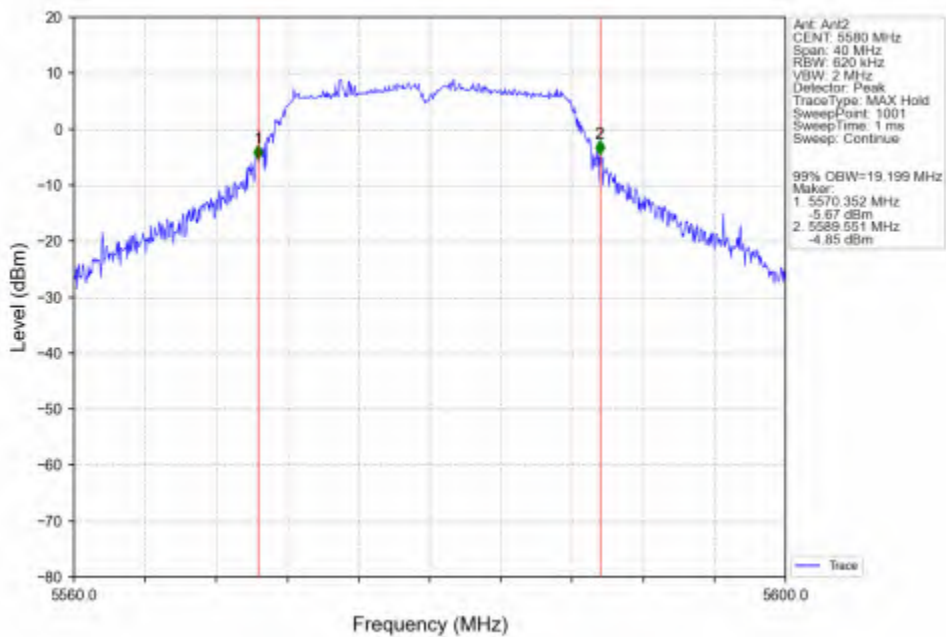


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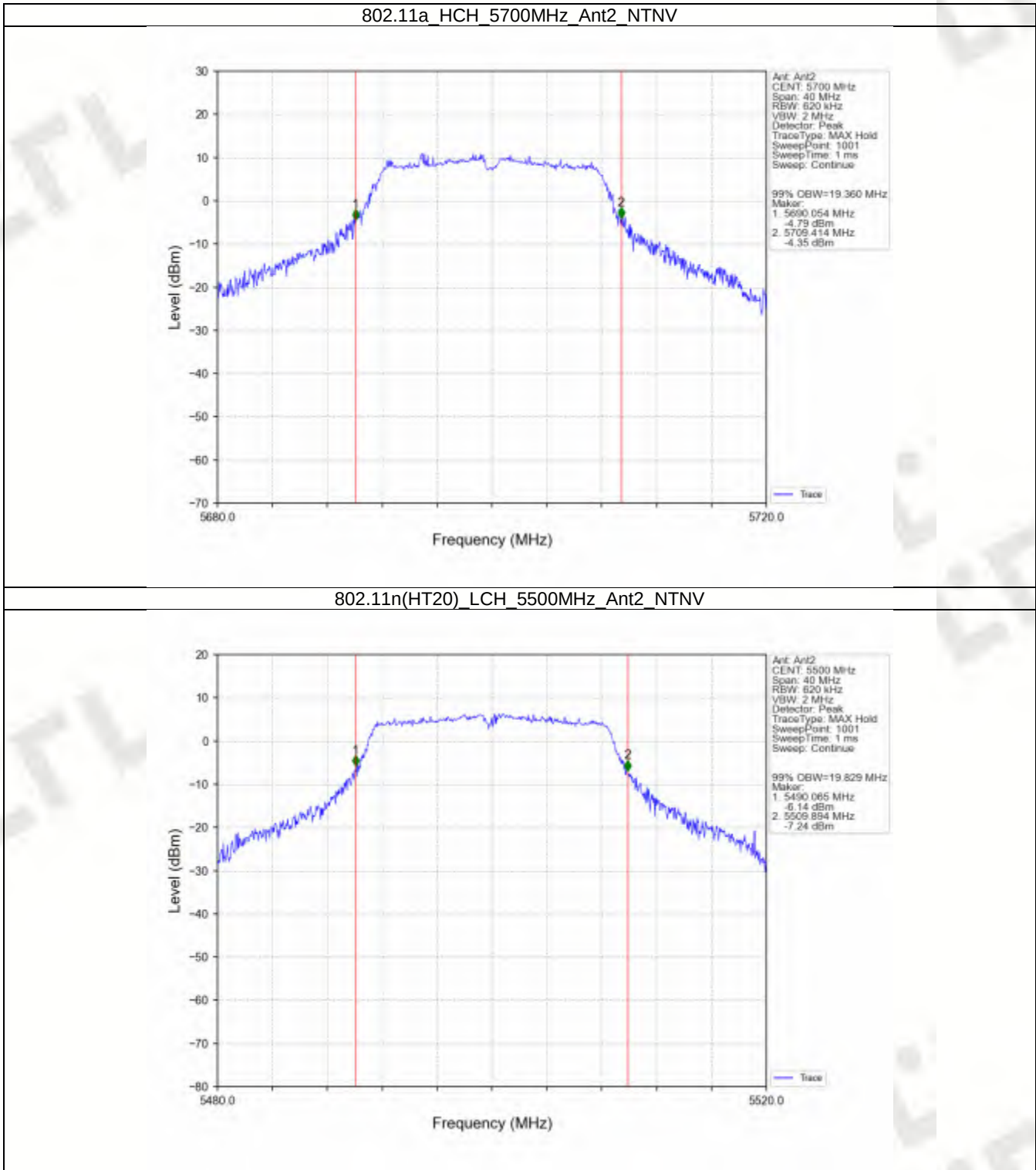
802.11a LCH 5500MHz Ant2 NTV



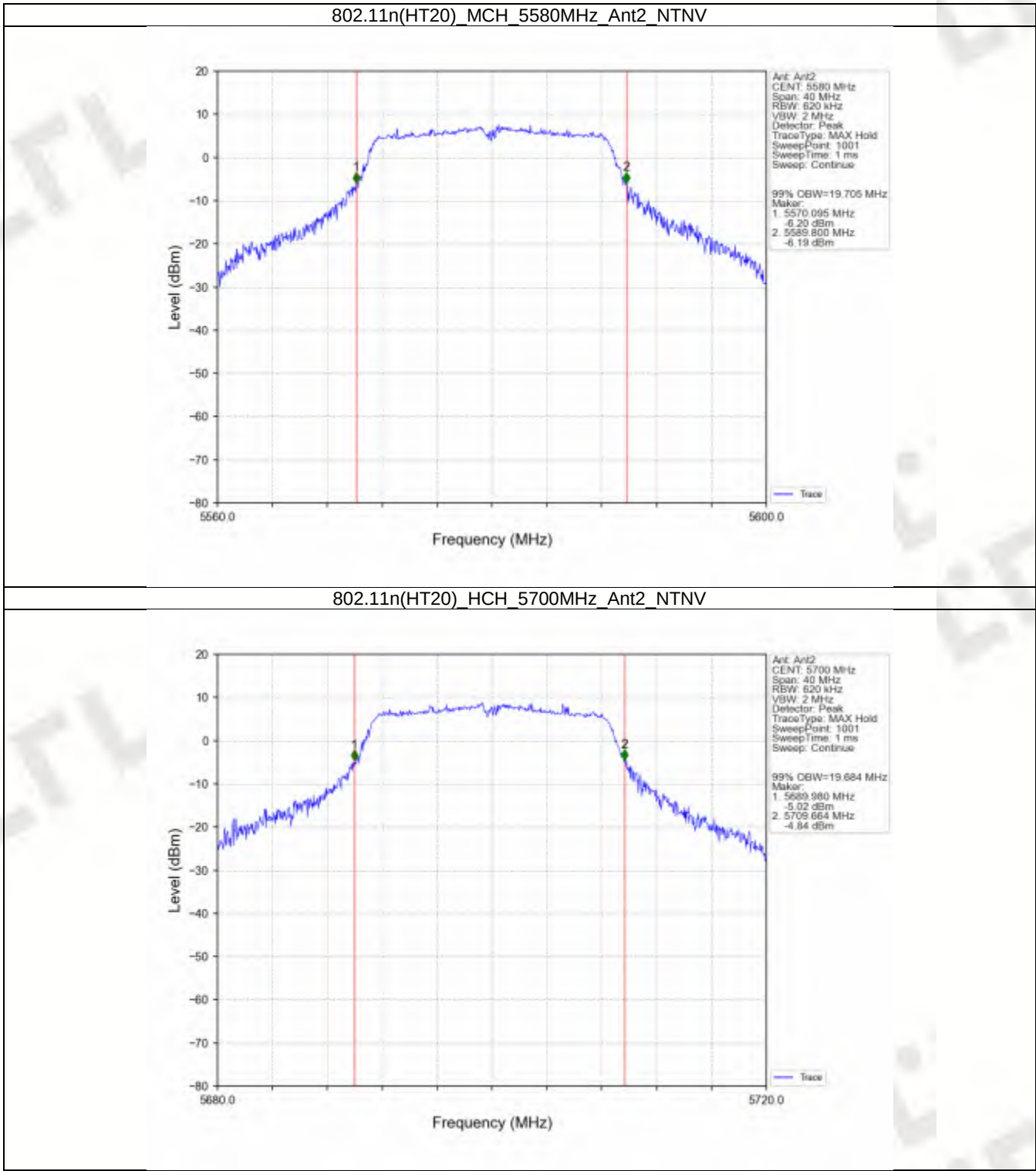
802.11a MCH 5580MHz Ant2 NTV



FCC ID: 2BLP-G7A1

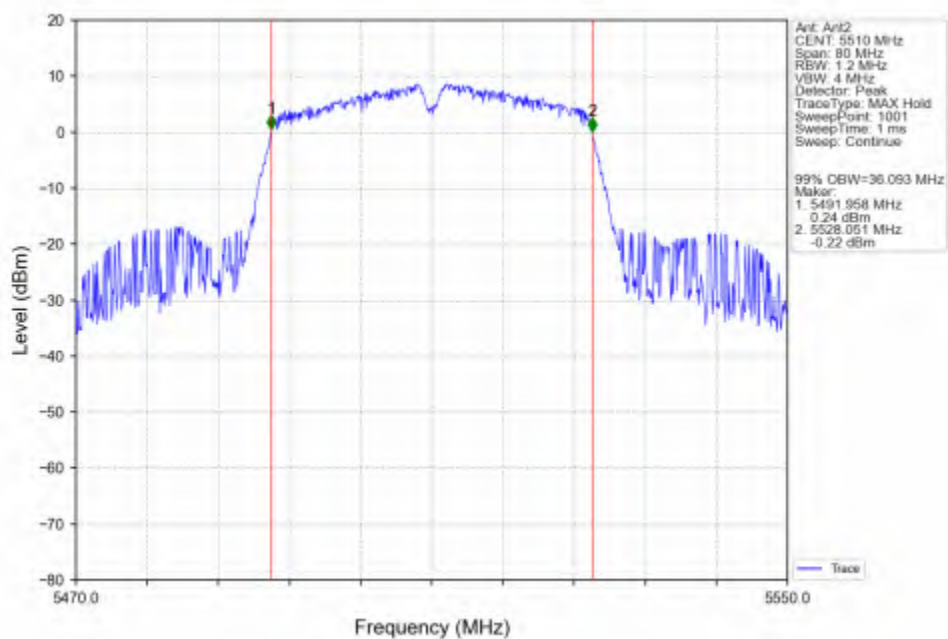


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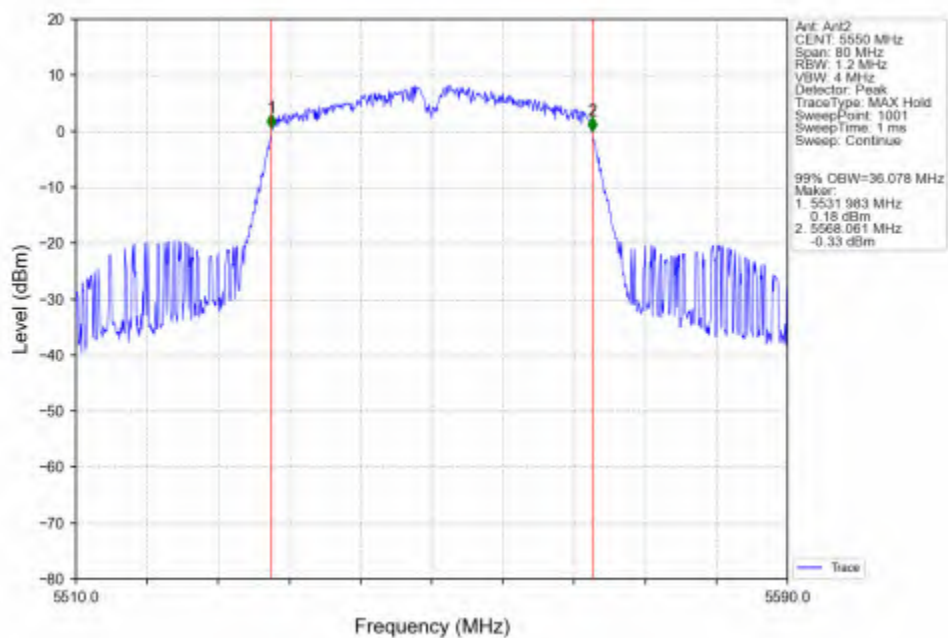


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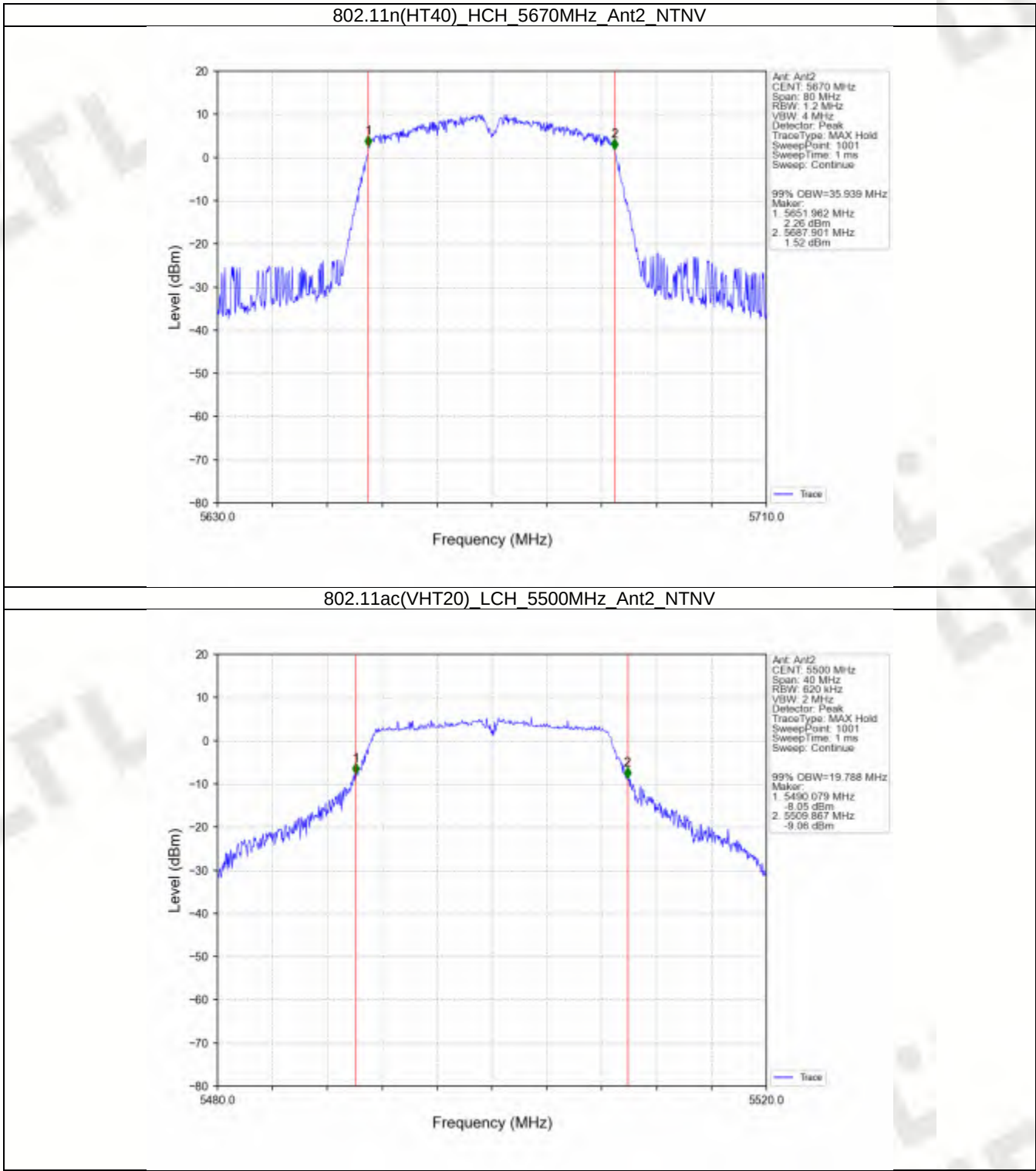
802.11n(HT40)_LCH_5510MHz_Ant2_NTNV



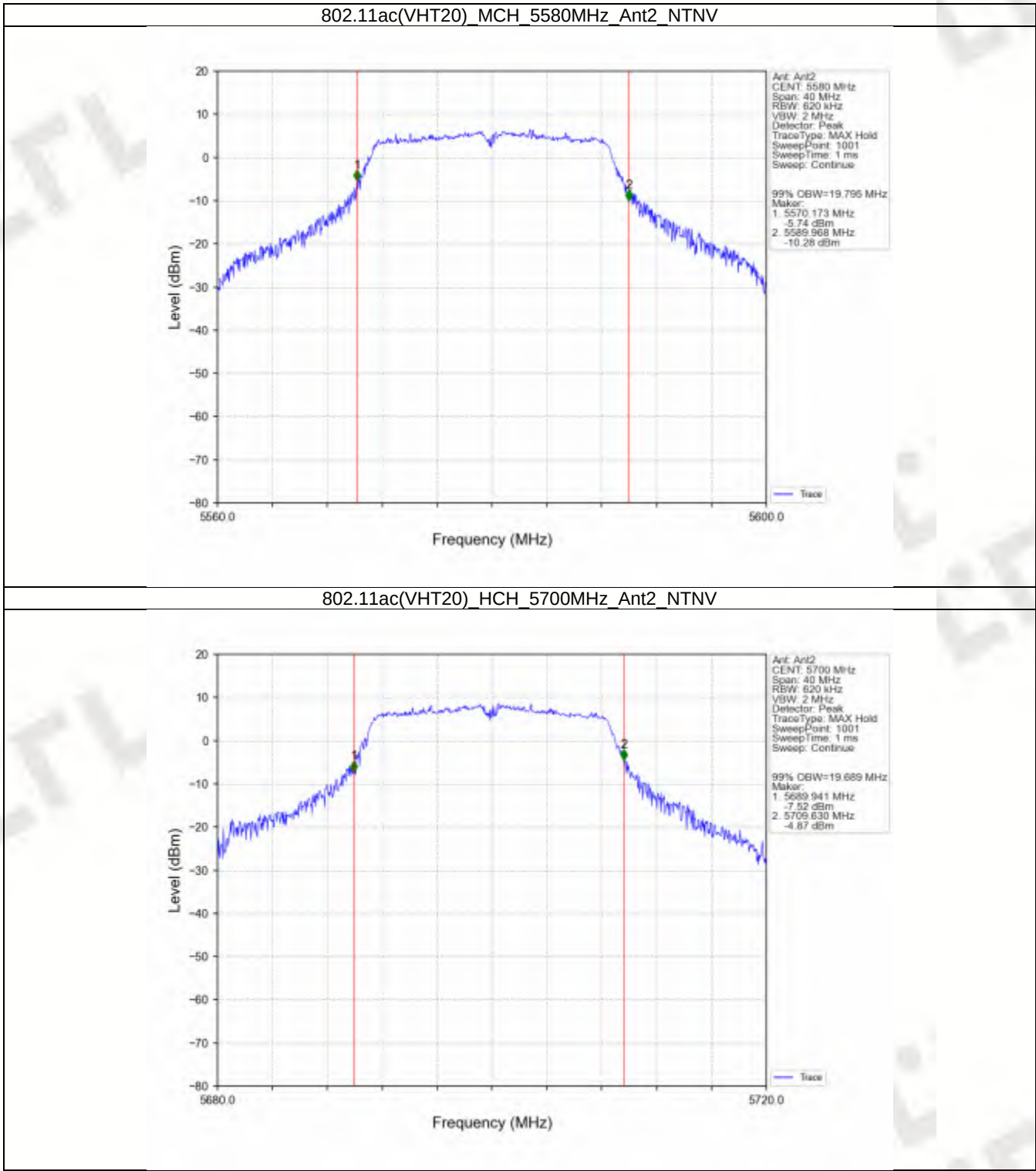
802.11n(HT40)_MCH_5550MHz_Ant2_NTNV



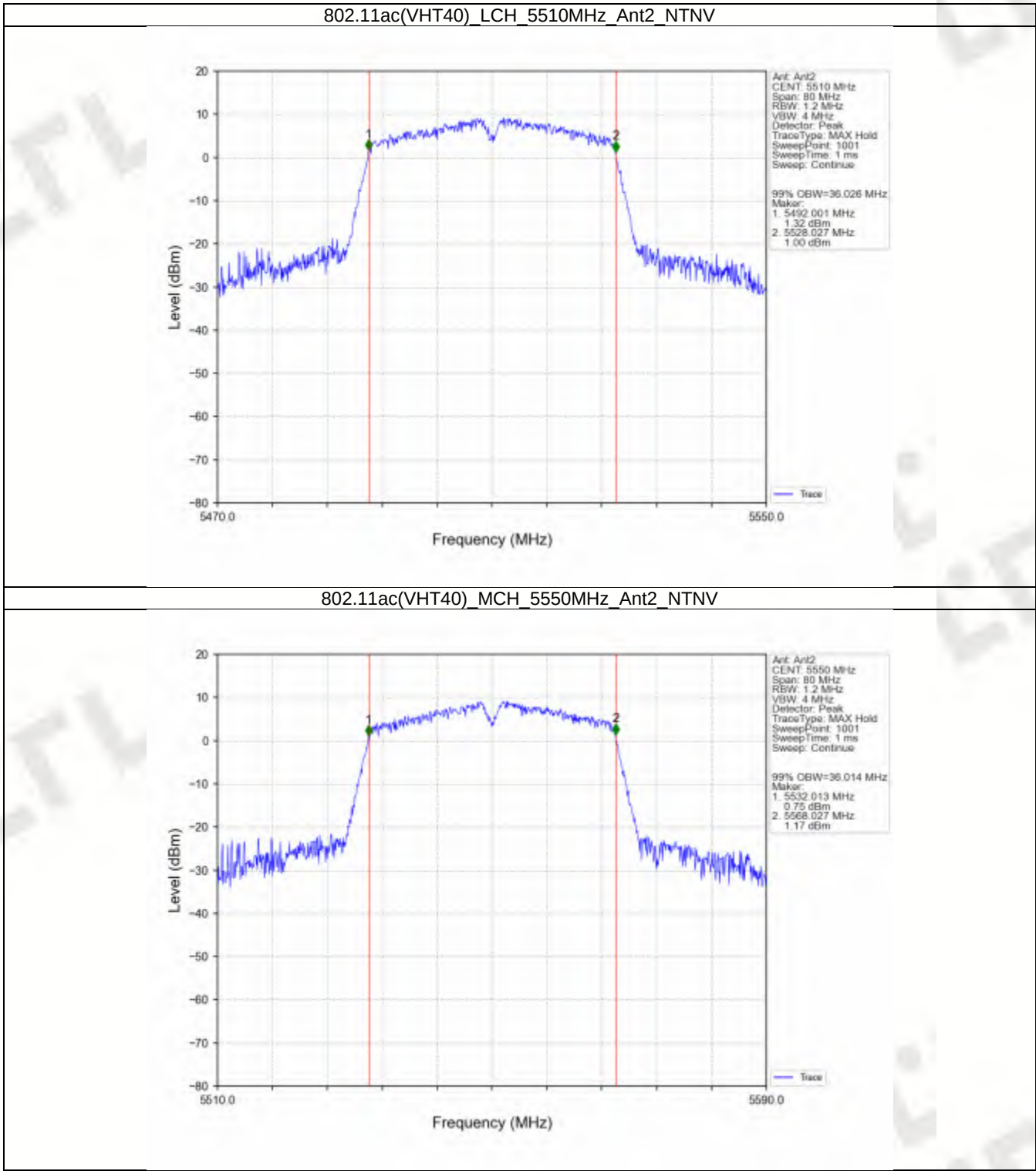
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FCC ID: 2BLP-G7A1

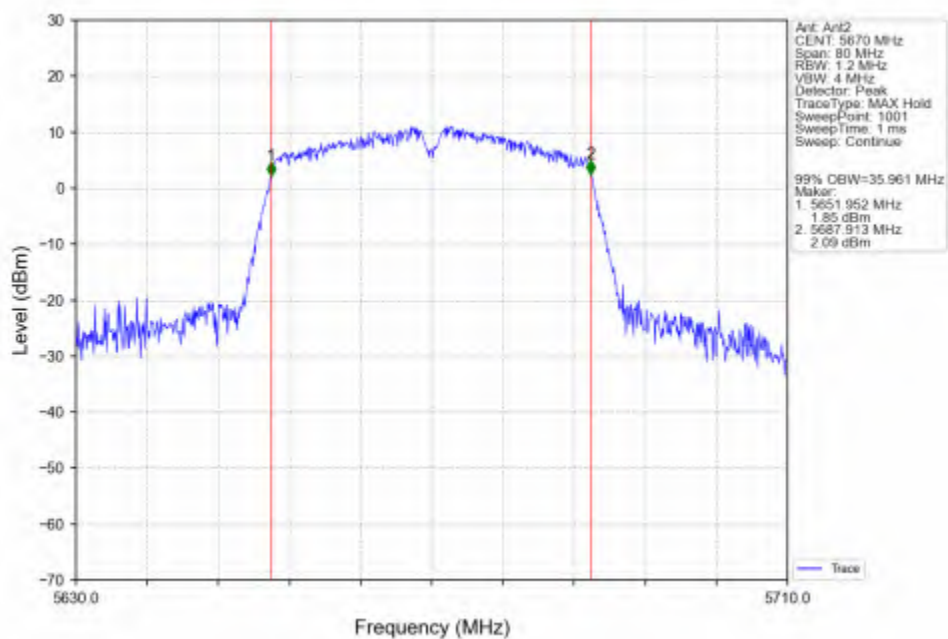


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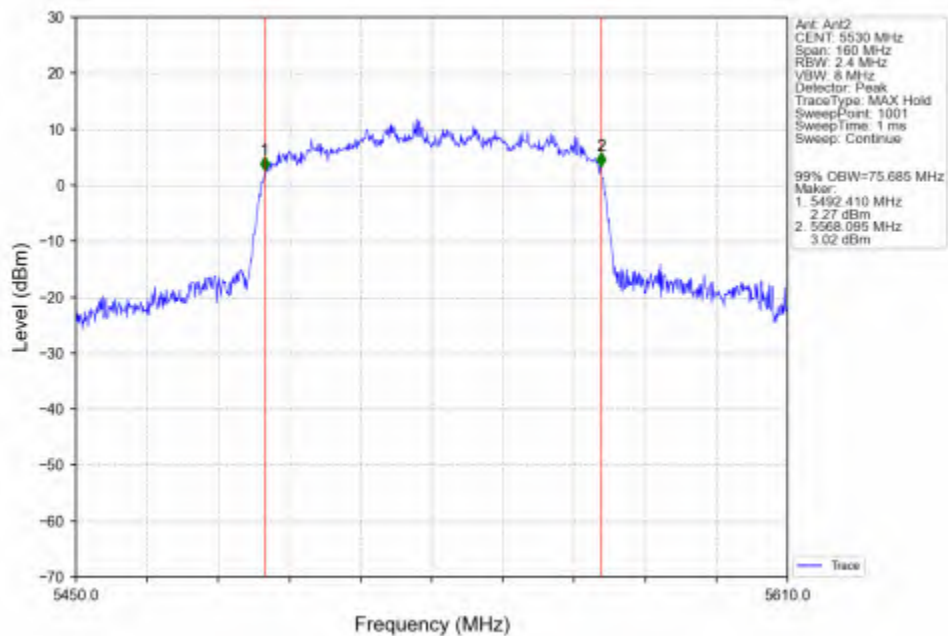


FCC ID: 2BLP-G7A1

802.11ac(VHT40) HCH 5670MHz_Ant2_NTNV

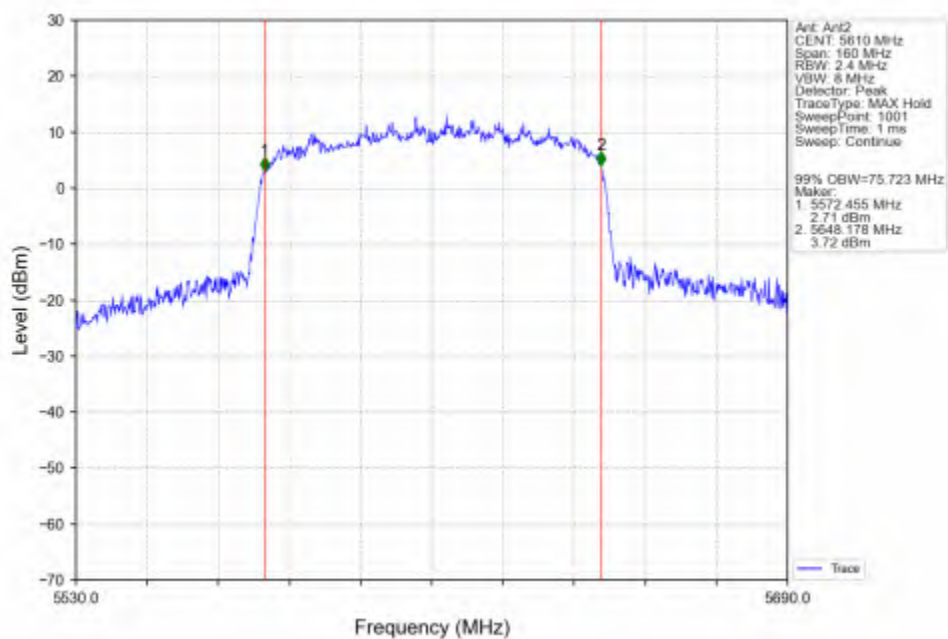


802.11ac(VHT80) LCH 5530MHz_Ant2_NTNV

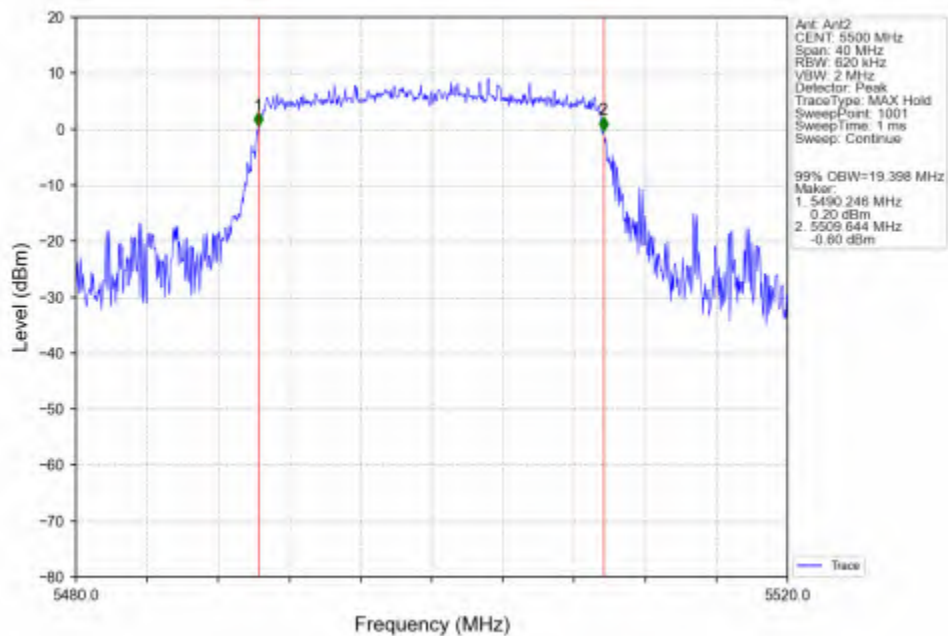


FCC ID: 2BLP-G7A1

802.11ac(VHT80)_HCH_5610MHz_Ant2_NTNV

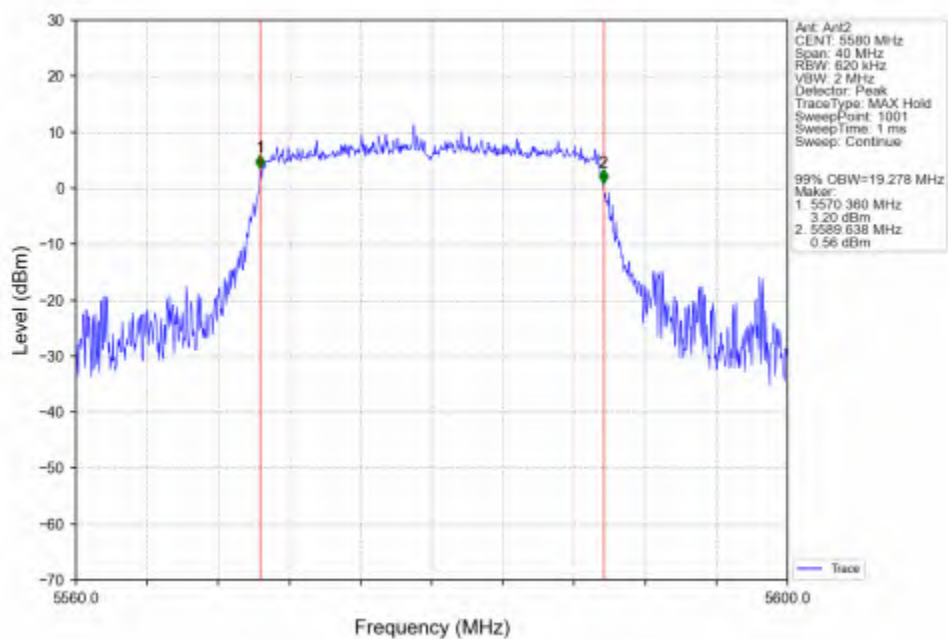


802.11ax(HEW20)_LCH_5500MHz_SU_/_Ant2_NTNV

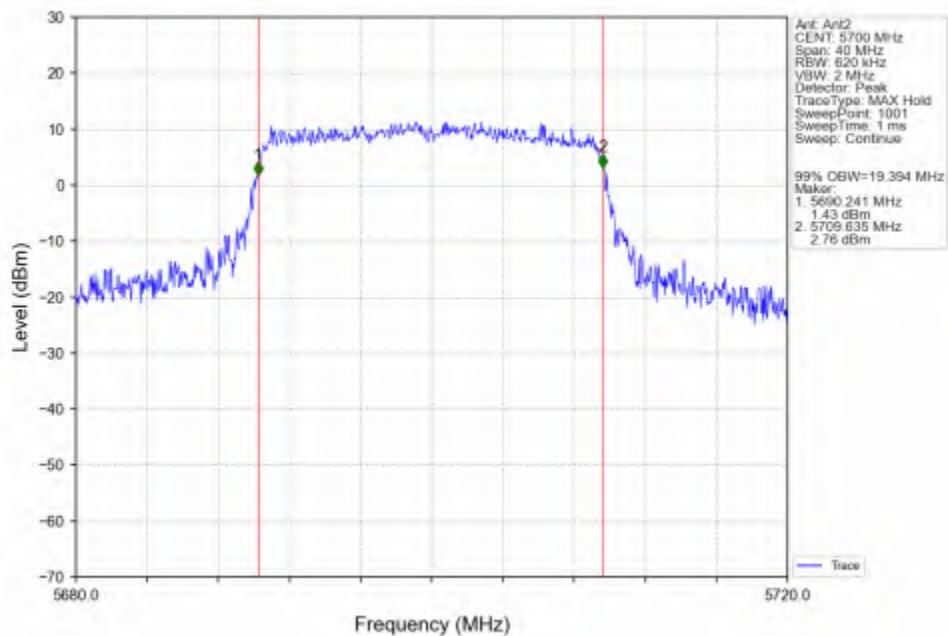


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802.11ax(HEW20)_MCH_5580MHz_SU_ / Ant2_NTNV

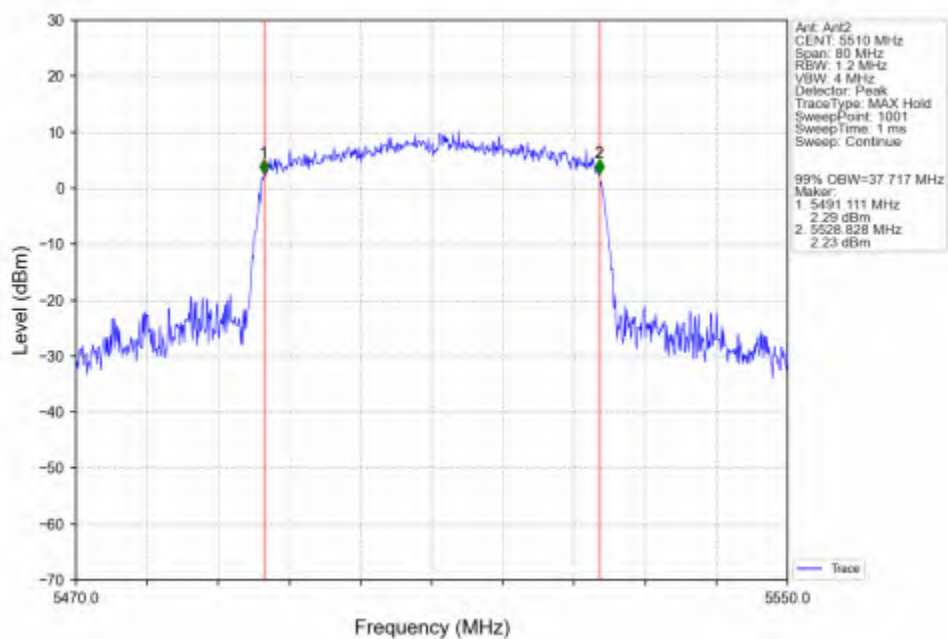


802.11ax(HEW20)_HCH_5700MHz_SU_ / Ant2_NTNV

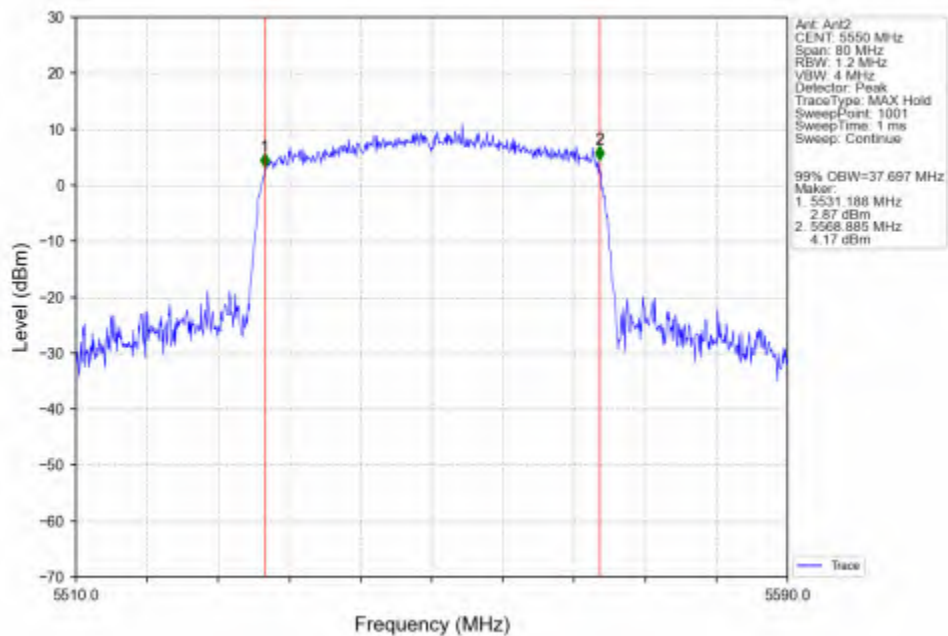


FCC ID: 2BLP-G7A1

802.11ax(HEW40)_LCH_5510MHz_SU_ / _Ant2_ NTNV

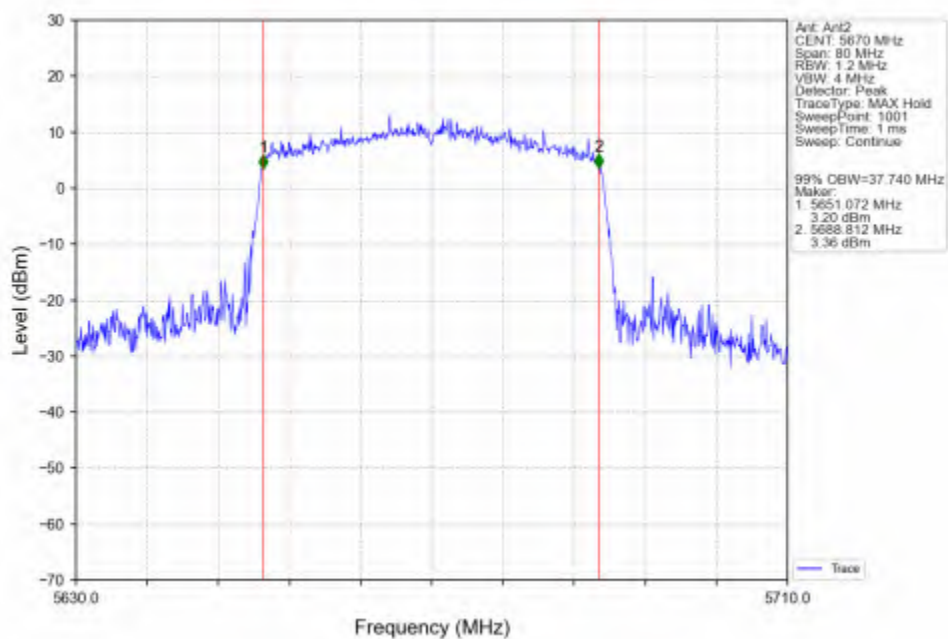


802.11ax(HEW40)_MCH_5550MHz_SU_ / _Ant2_ NTNV

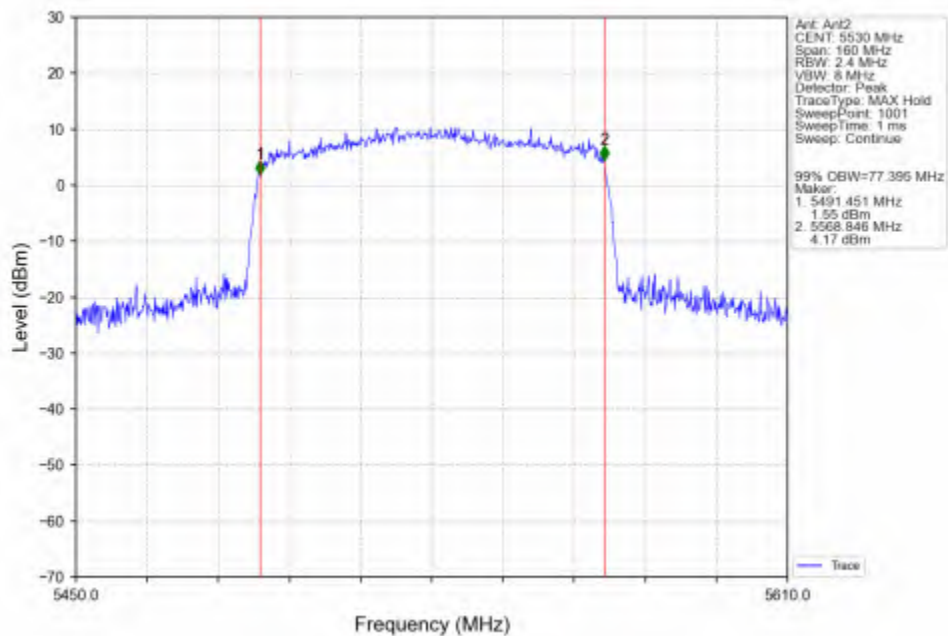


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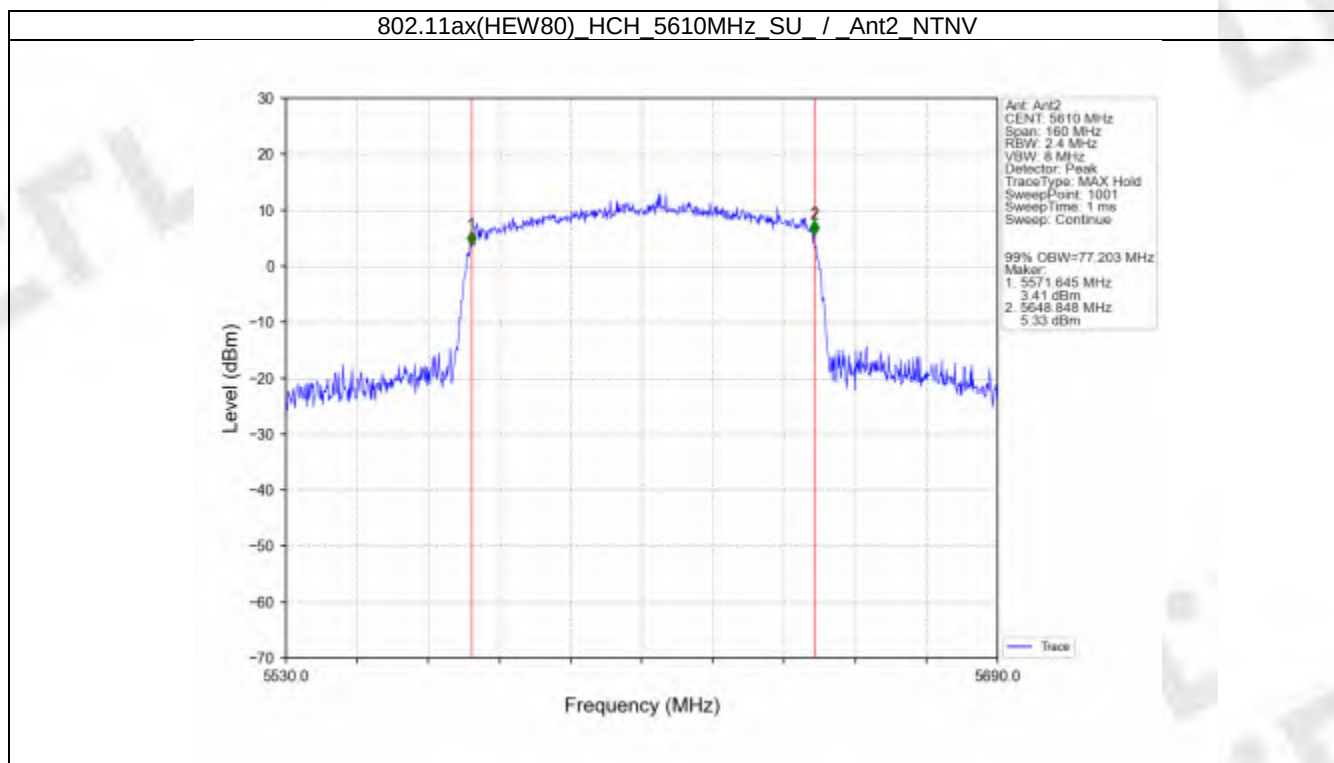
802.11ax(HEW40)_HCH_5670MHz_SU_ / _Ant2_NTNV



802.11ax(HEW80)_LCH_5530MHz_SU_ / _Ant2_NTNV



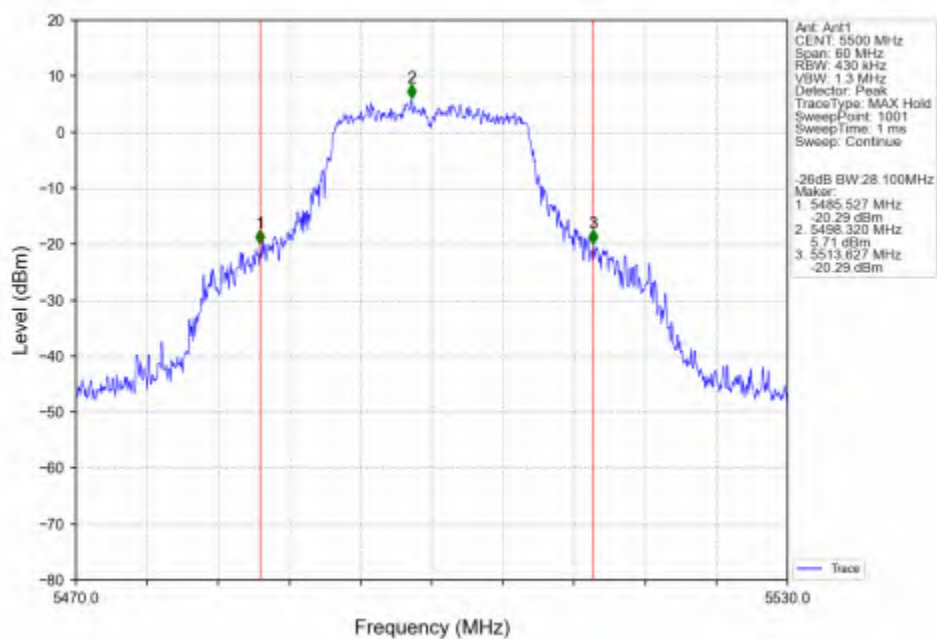
FCC ID: 2BLP-G7A1



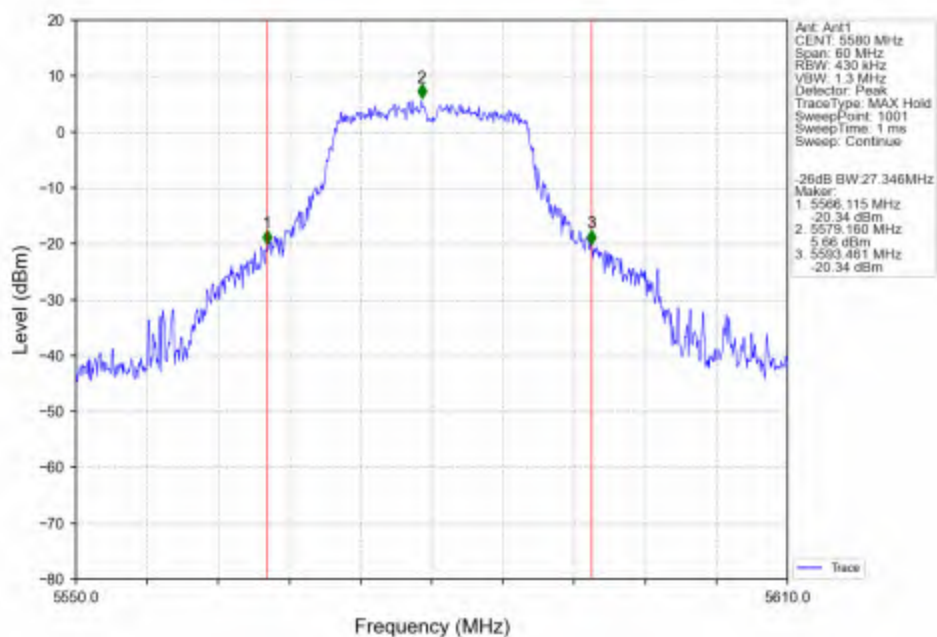
FCC ID: 2BLP-G7A1

2.2.2 26dB BW

802.11a_LCH_5500MHz_Ant1_NTNV

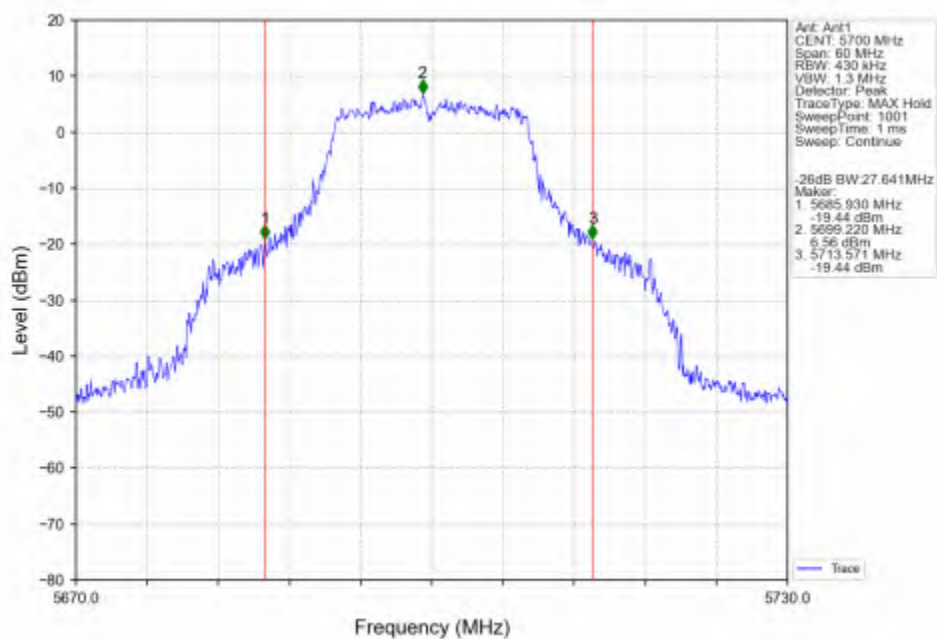


802.11a_MCH_5580MHz_Ant1_NTNV

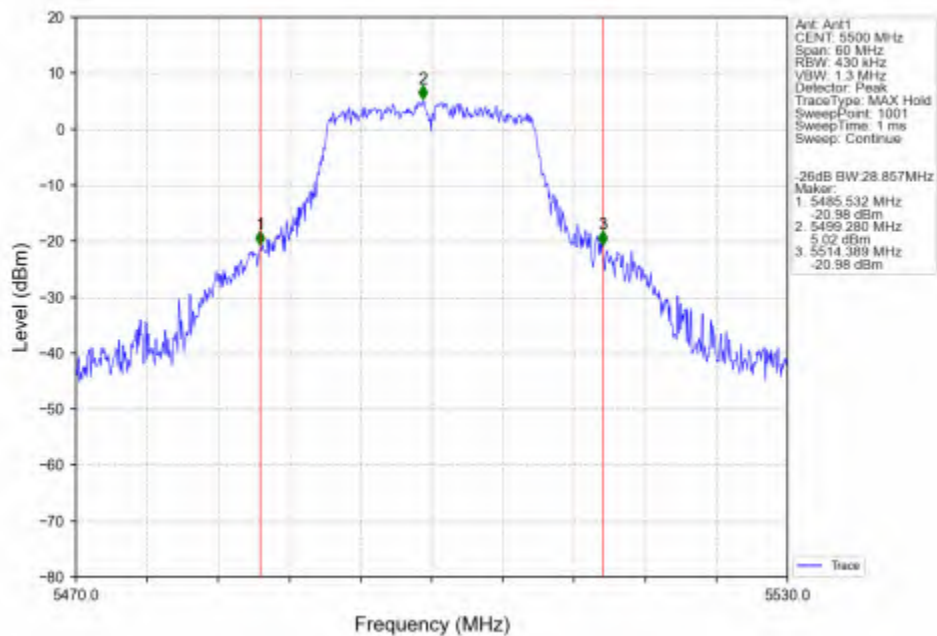


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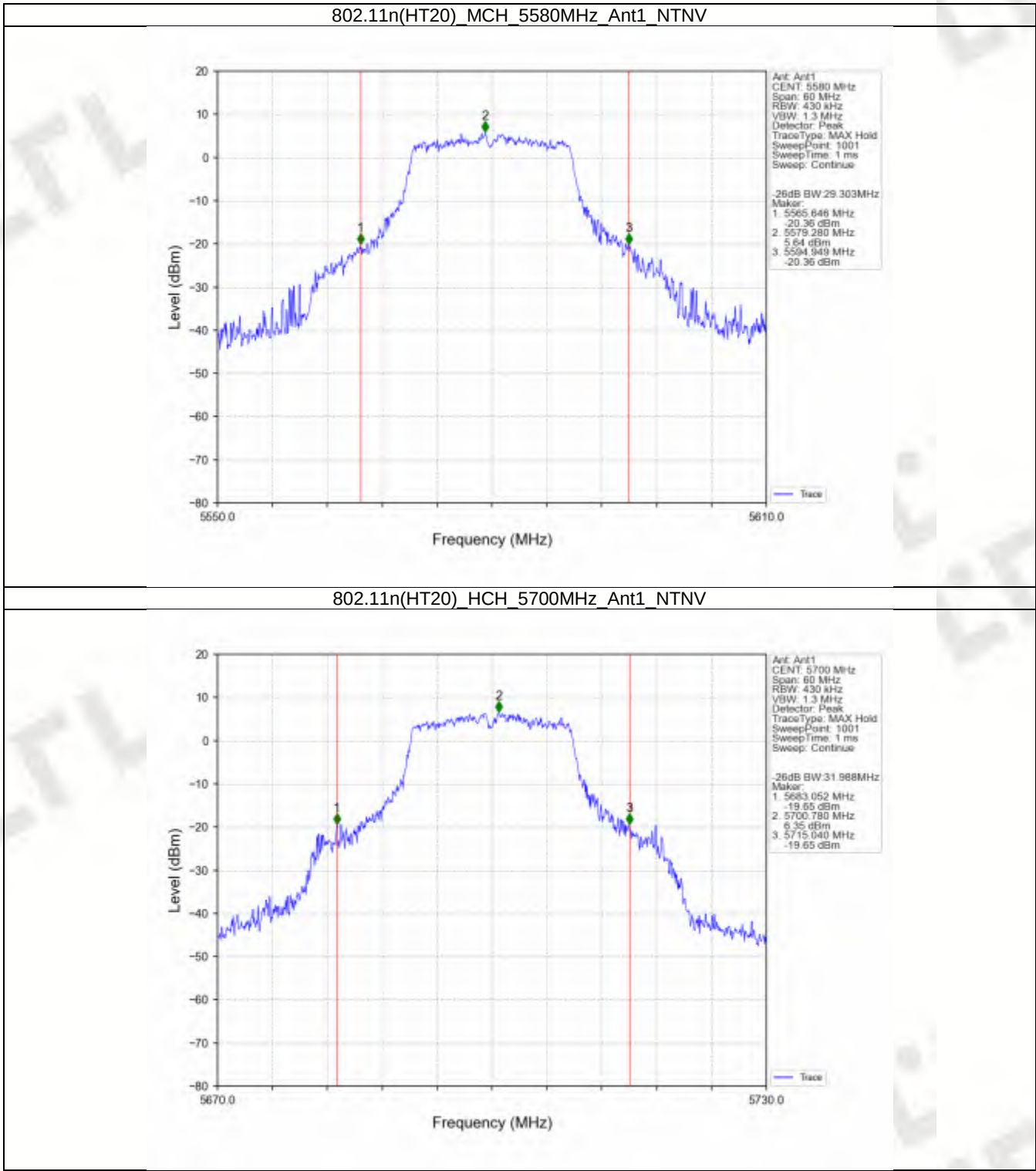
802.11a_HCH_5700MHz_Ant1_NTNV



802.11n(HT20)_LCH_5500MHz_Ant1_NTNV

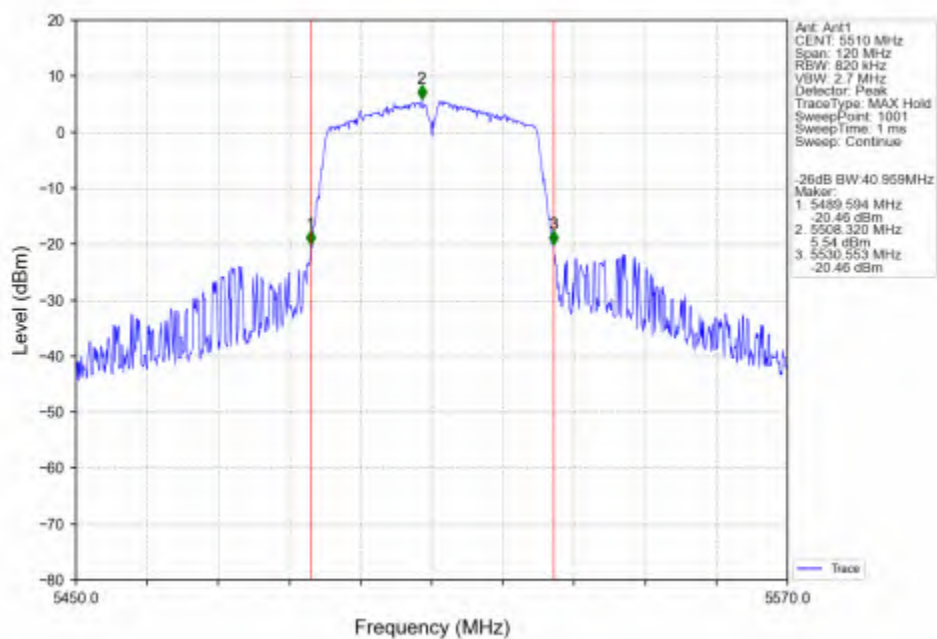


FCC ID: 2BLP-G7A1

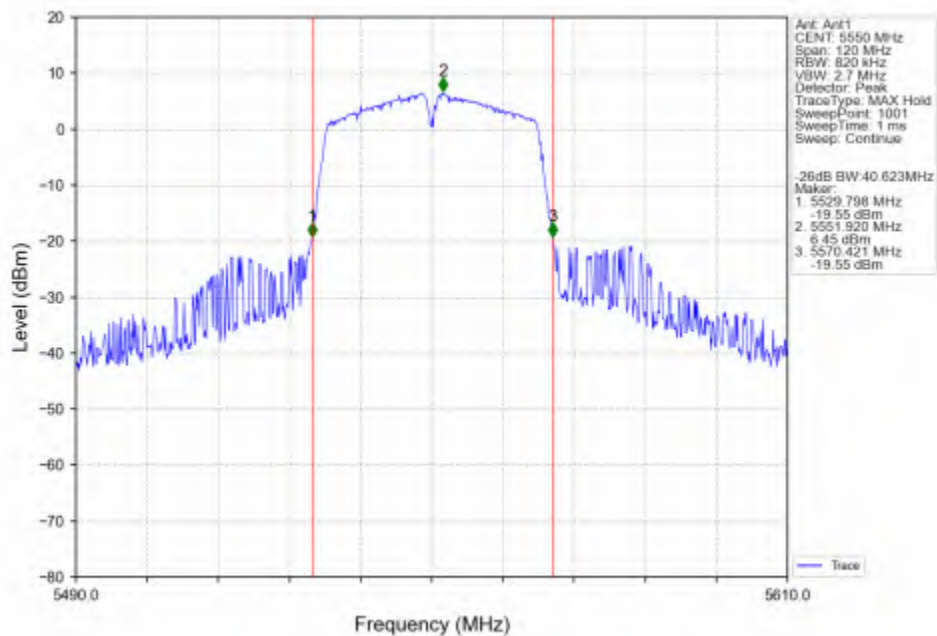


FCC ID: 2BLP-G7A1

802.11n(HT40)_LCH_5510MHz_Ant1_NTNV

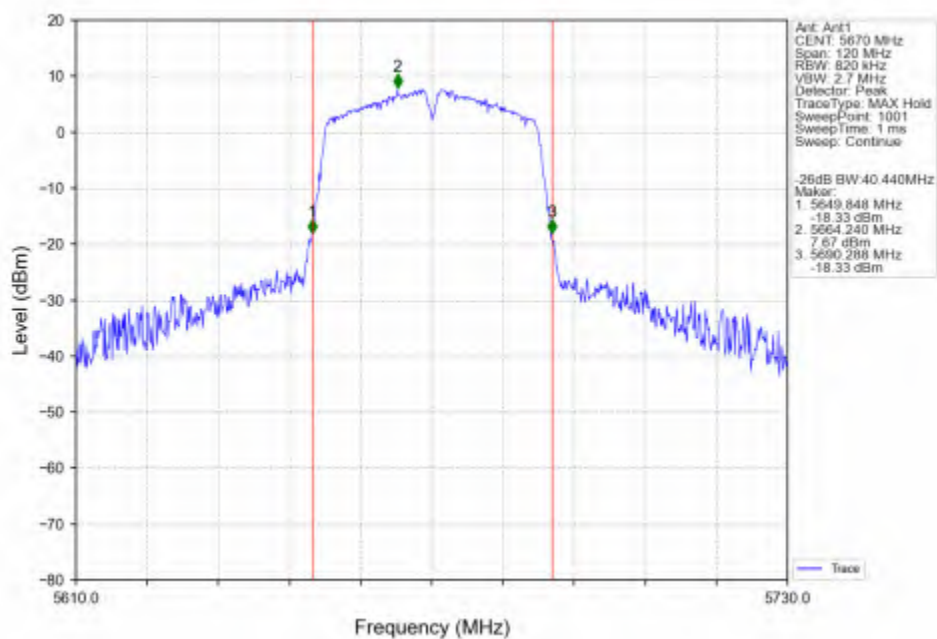


802.11n(HT40)_MCH_5550MHz_Ant1_NTNV

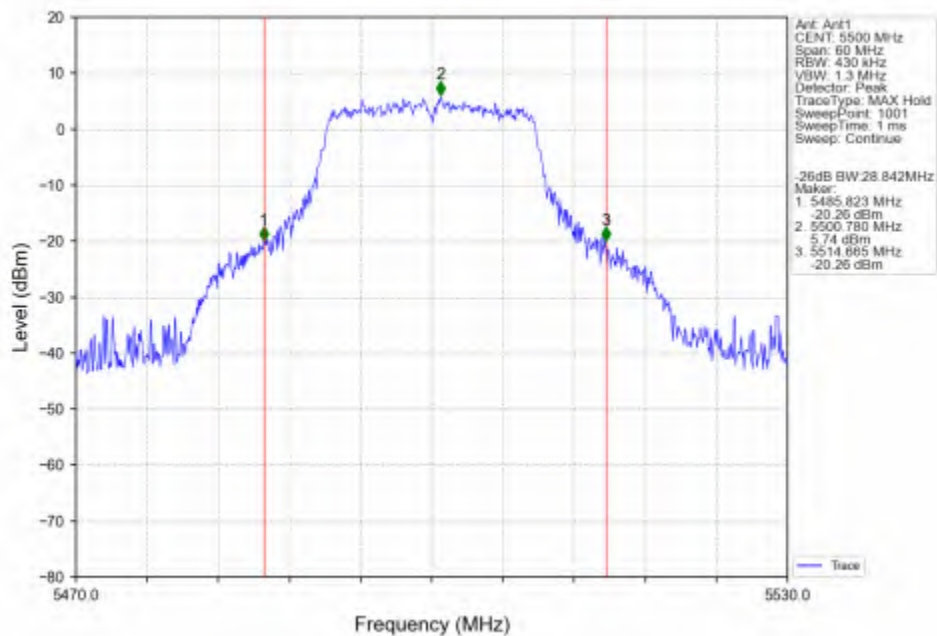


FCC ID: 2BLP-G7A1

802.11n(HT40) HCH 5670MHz_Ant1_NTNV

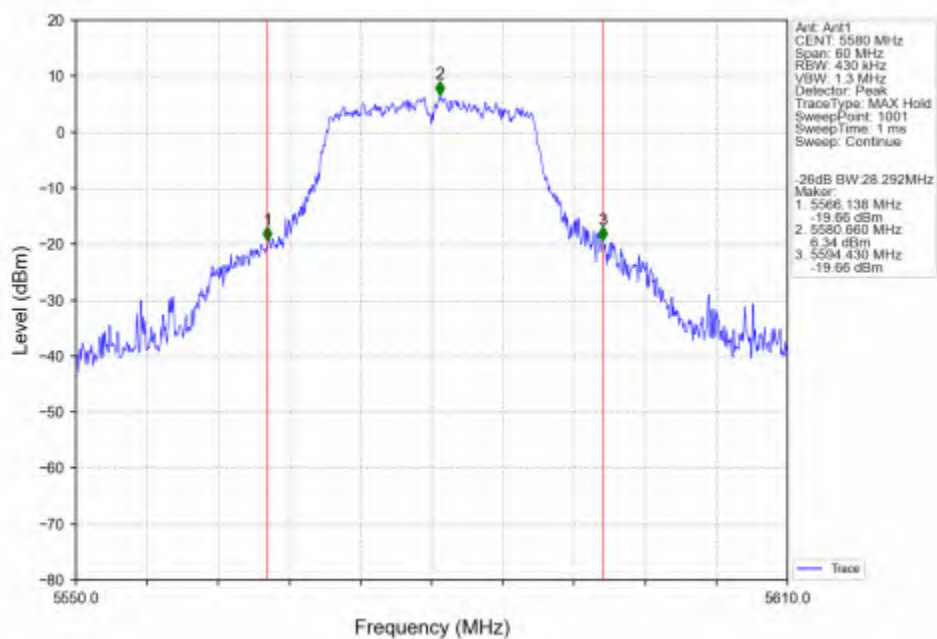


802.11ac(VHT20) LCH 5500MHz_Ant1_NTNV

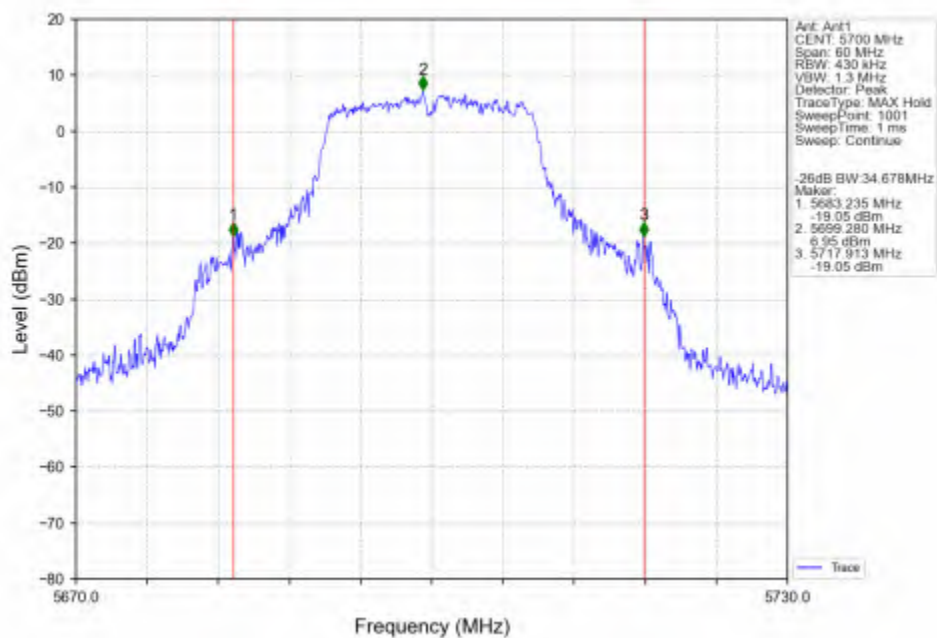


FCC ID: 2BLP-G7A1

802.11ac(VHT20)_MCH_5580MHz_Ant1_NTNV

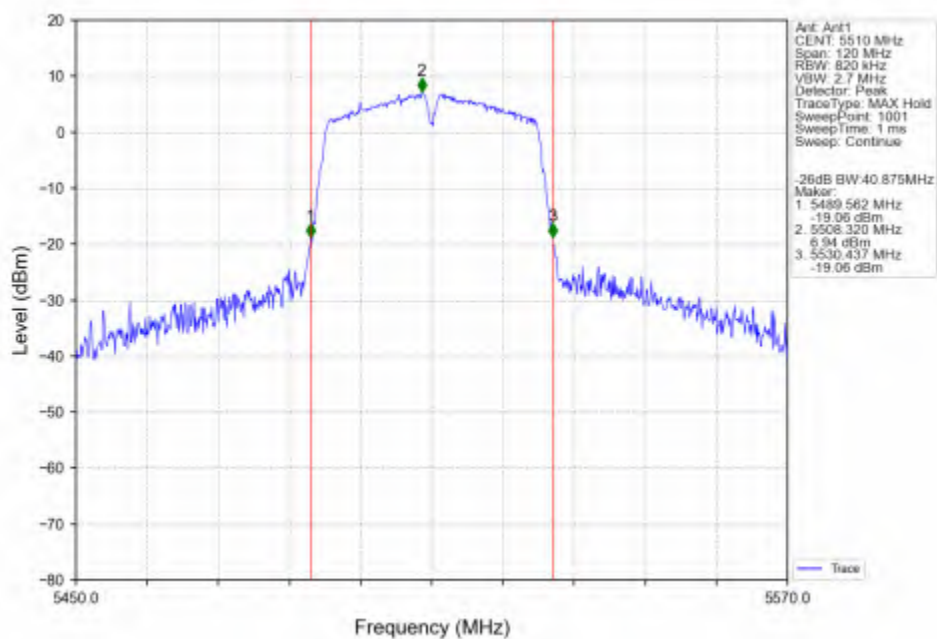


802.11ac(VHT20)_HCH_5700MHz_Ant1_NTNV

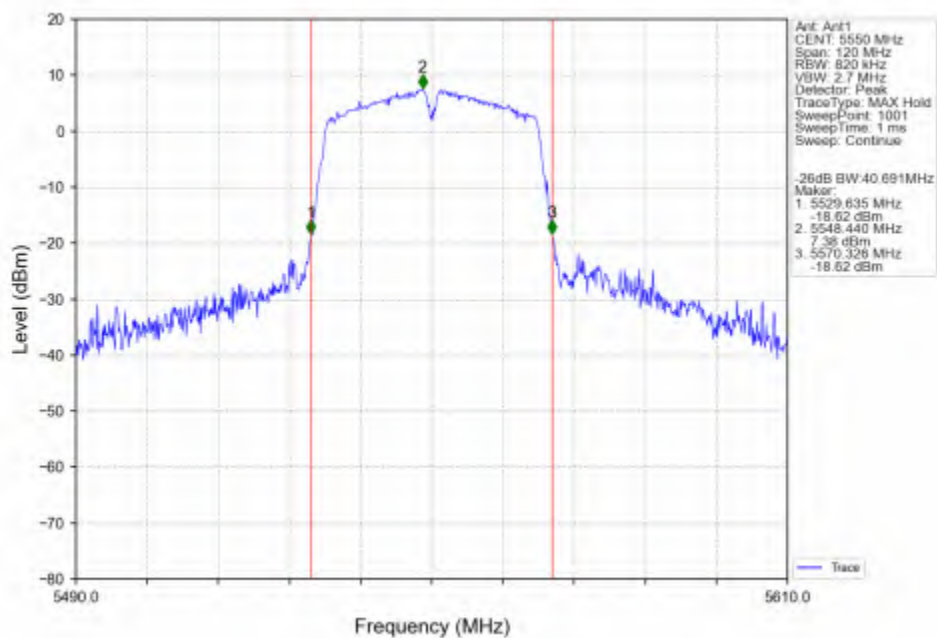


FCC ID: 2BLP-G7A1

802.11ac(VHT40)_LCH_5510MHz_Ant1_NTNV

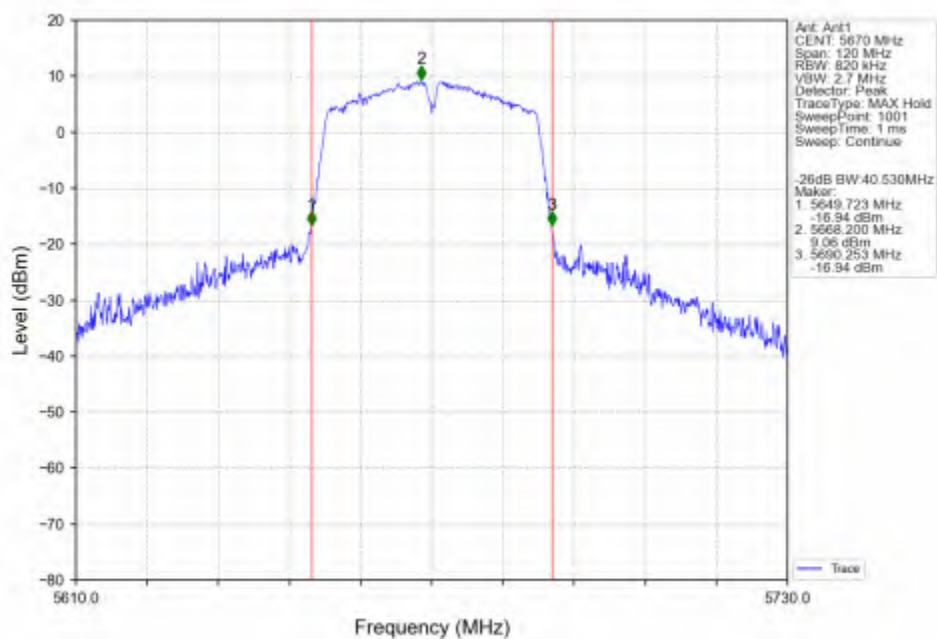


802.11ac(VHT40)_MCH_5550MHz_Ant1_NTNV

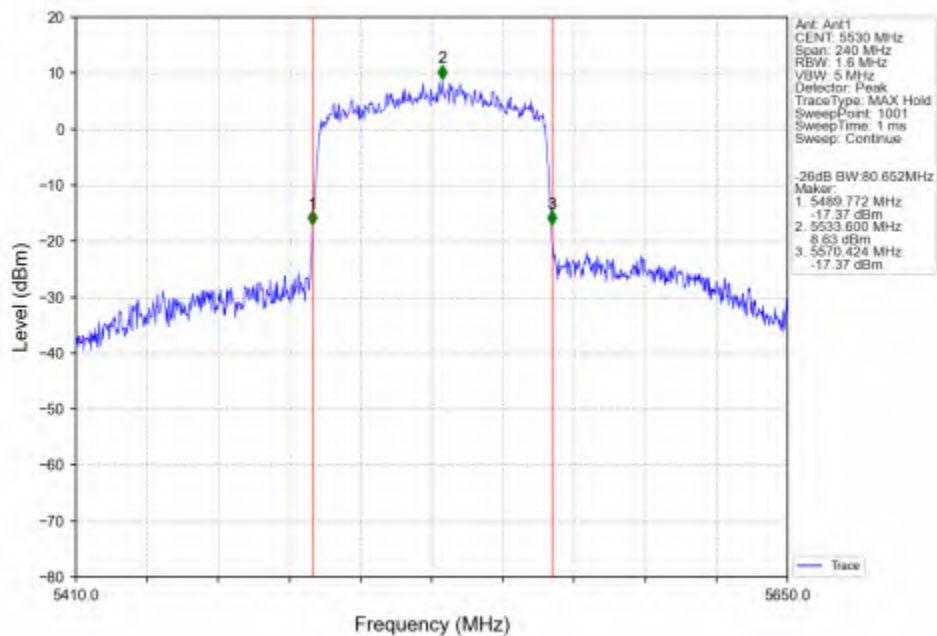


FCC ID: 2BLP-G7A1

802.11ac(VHT40)_HCH_5670MHz_Ant1_NTNV

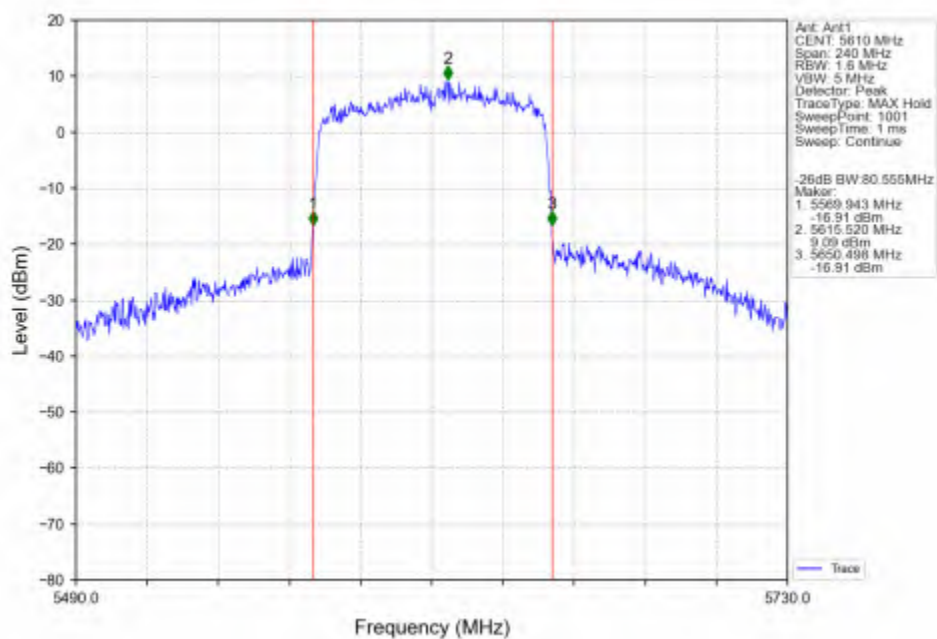


802.11ac(VHT80)_LCH_5530MHz_Ant1_NTNV

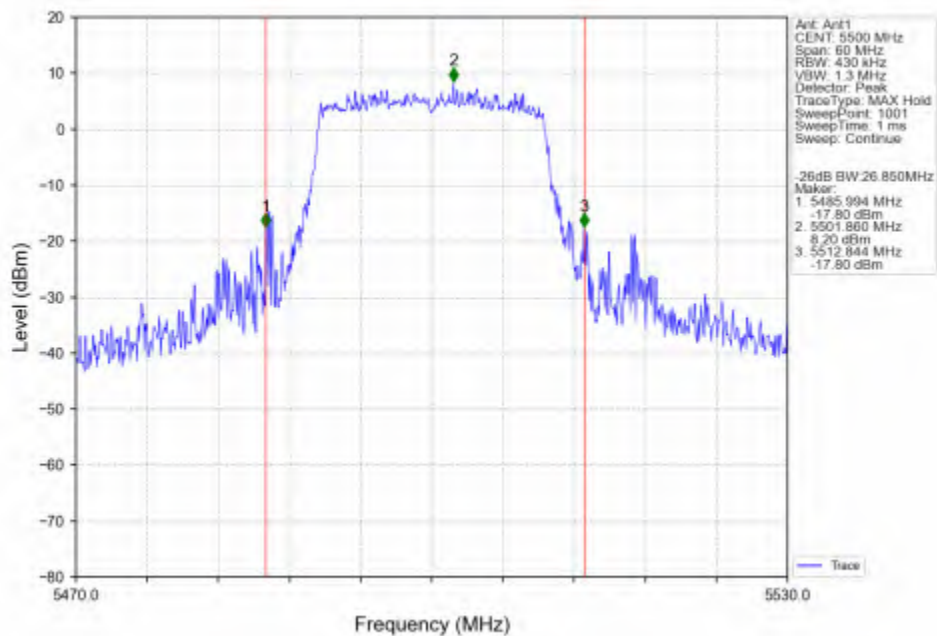


FCC ID: 2BLP-G7A1

802.11ac(VHT80)_HCH_5610MHz_Ant1_NTNV

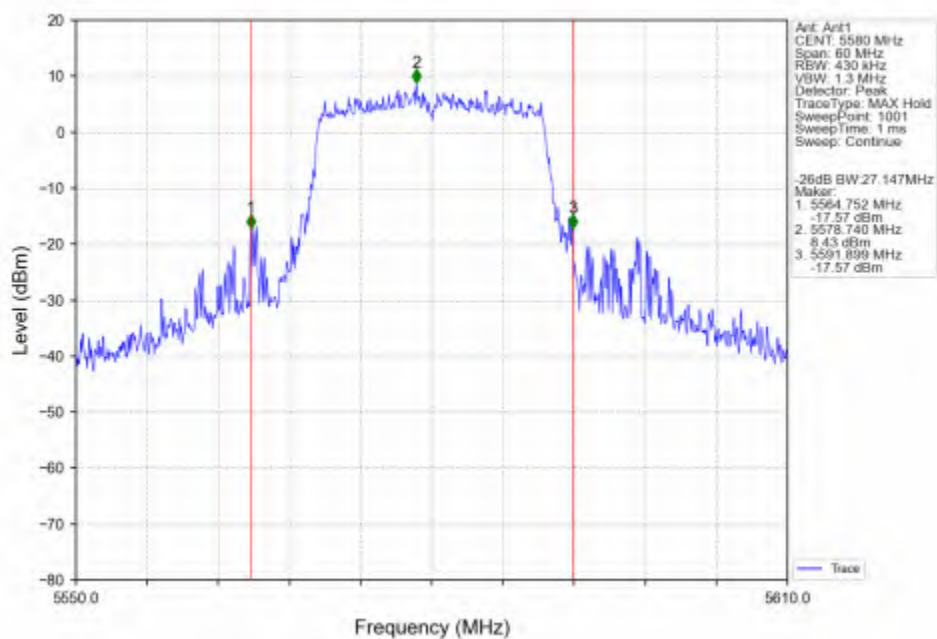


802.11ax(HEW20)_LCH_5500MHz_SU_/_Ant1_NTNV

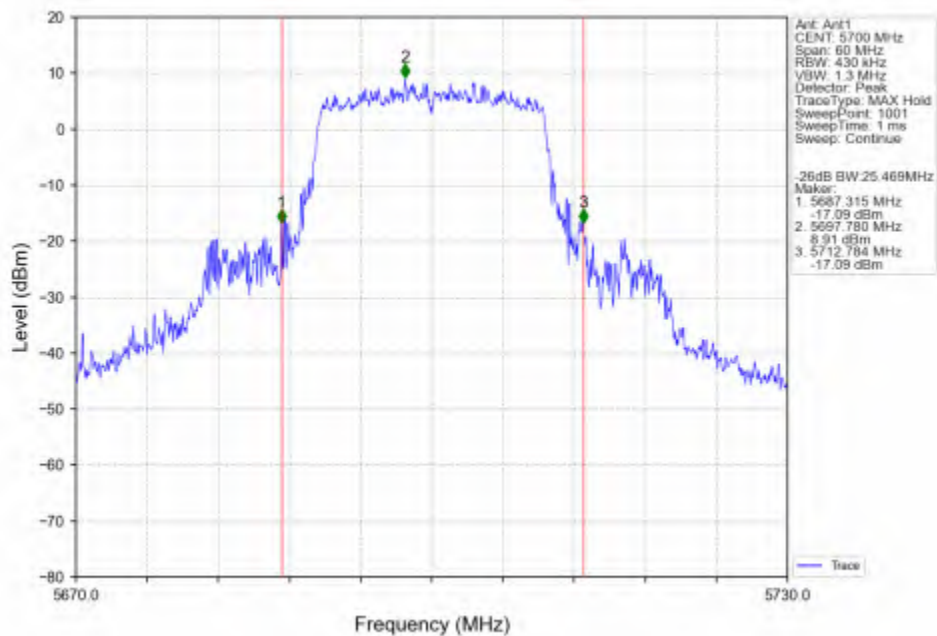


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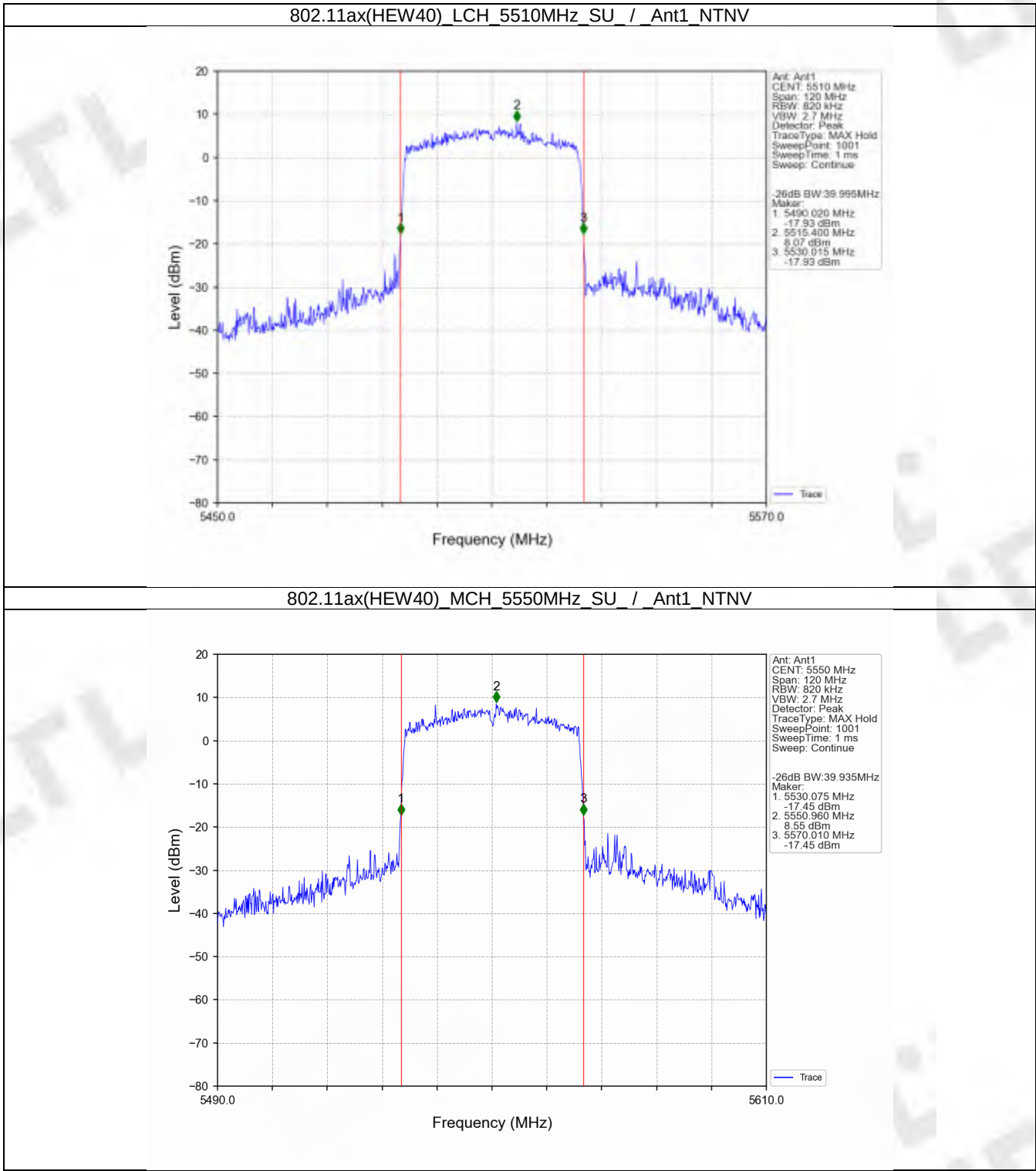
802.11ax(HEW20)_MCH_5580MHz_SU_ / Ant1_NTNV



802.11ax(HEW20)_HCH_5700MHz_SU_ / Ant1_NTNV

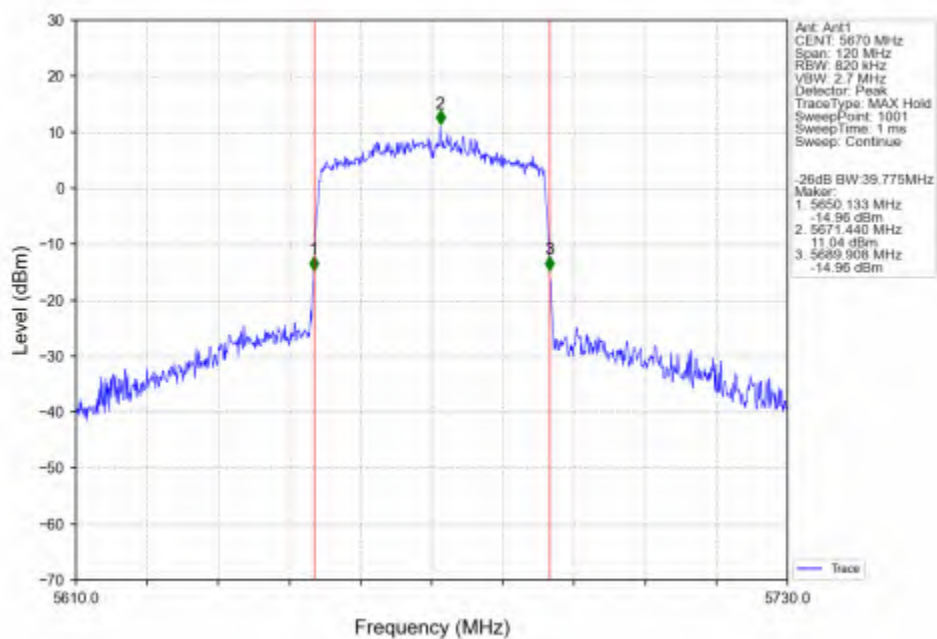


FCC ID: 2BLP-G7A1

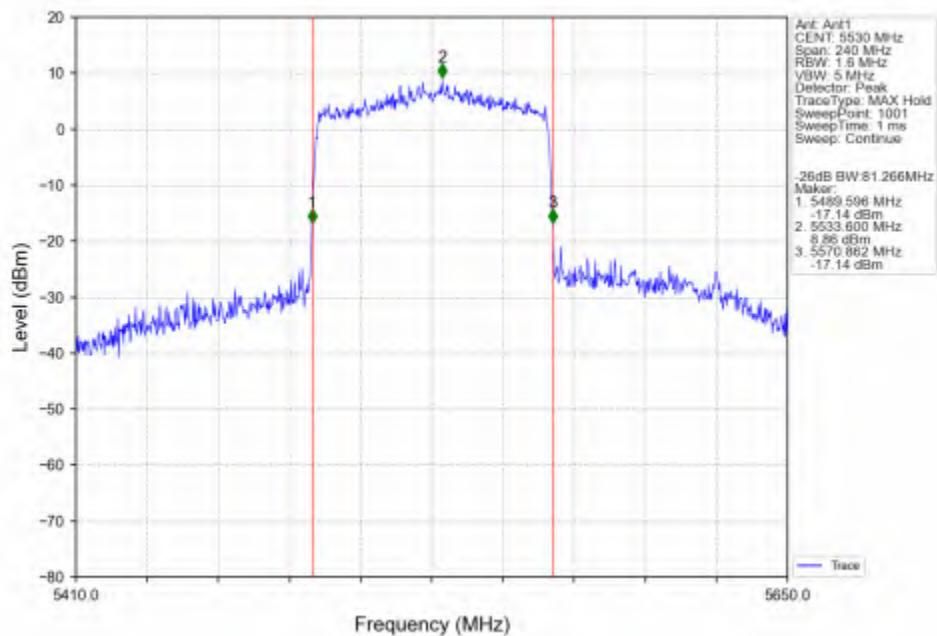


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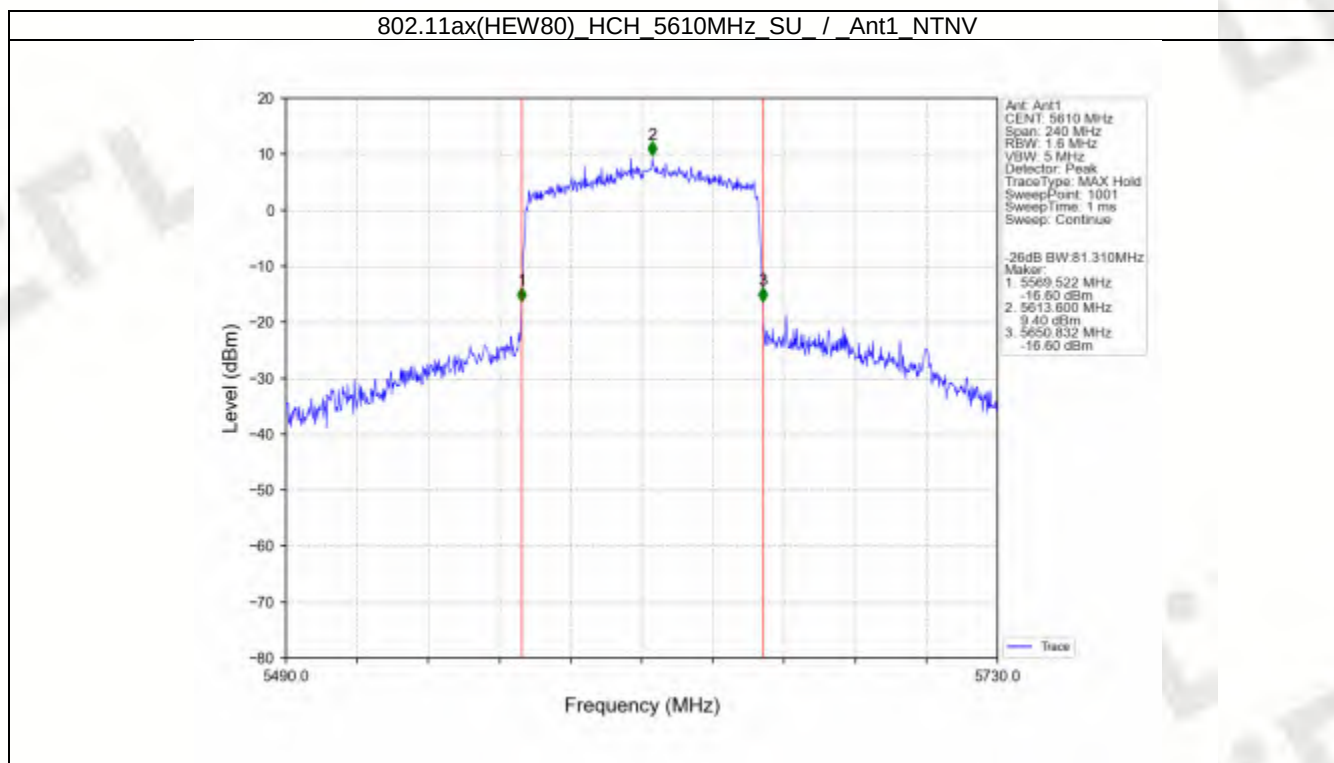
802.11ax(HEW40)_HCH_5670MHz_SU_ / _Ant1_NTNV



802.11ax(HEW80)_LCH_5530MHz_SU_ / _Ant1_NTNV

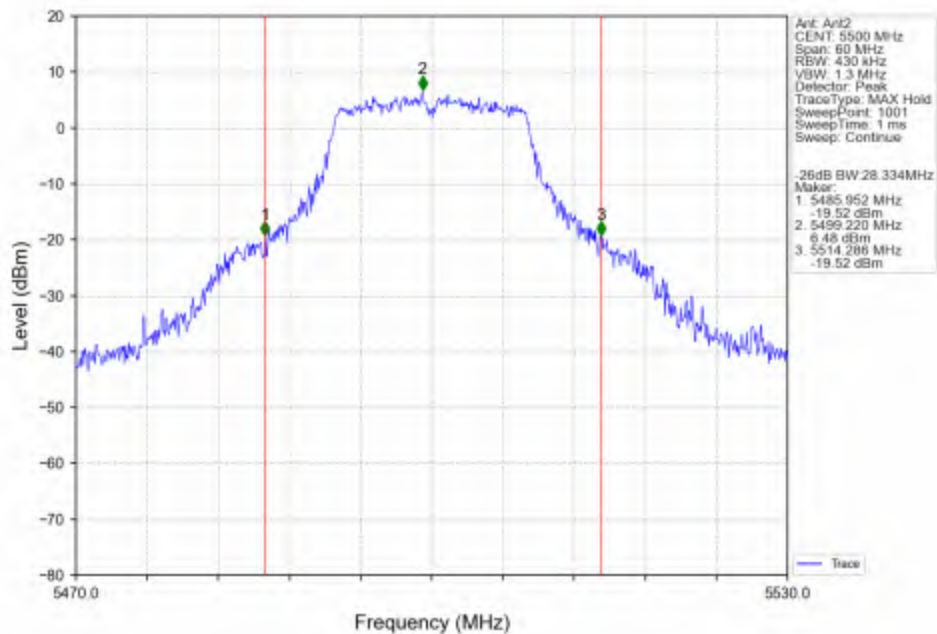


FCC ID: 2BLP-G7A1

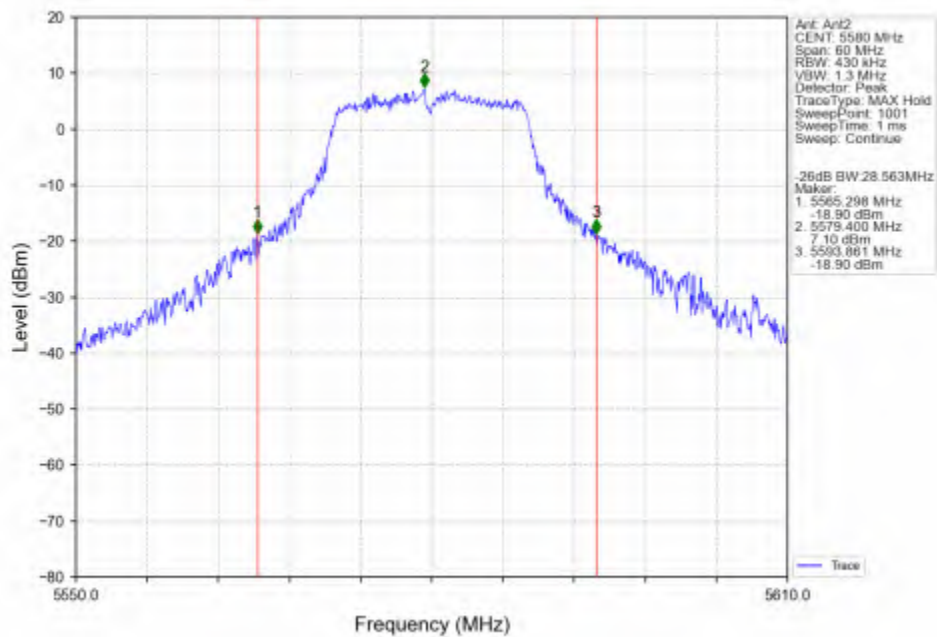


FCC ID: 2BLP-G7A1

802.11a LCH 5500MHz Ant2 NTV

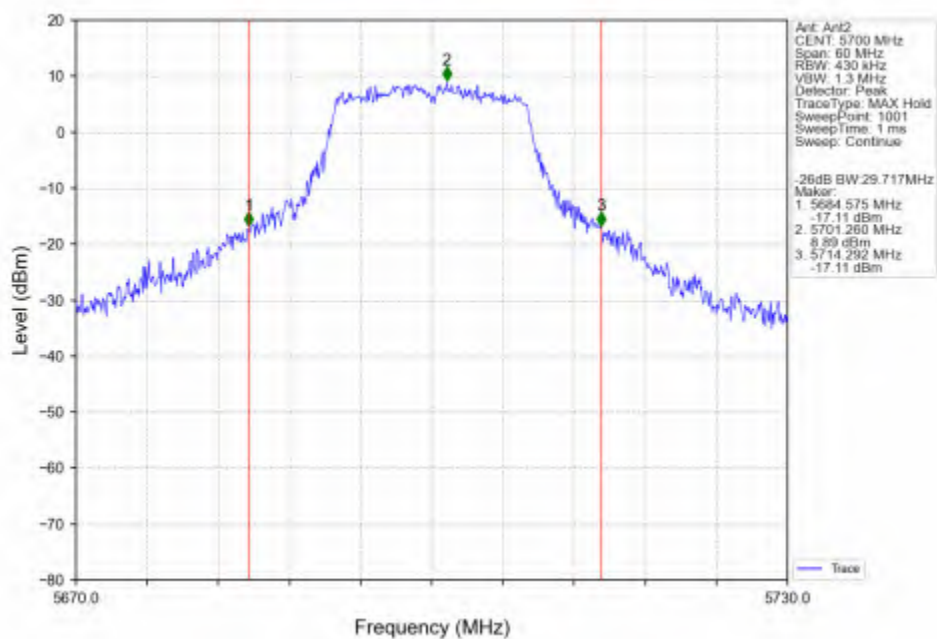


802.11a MCH 5580MHz Ant2 NTV

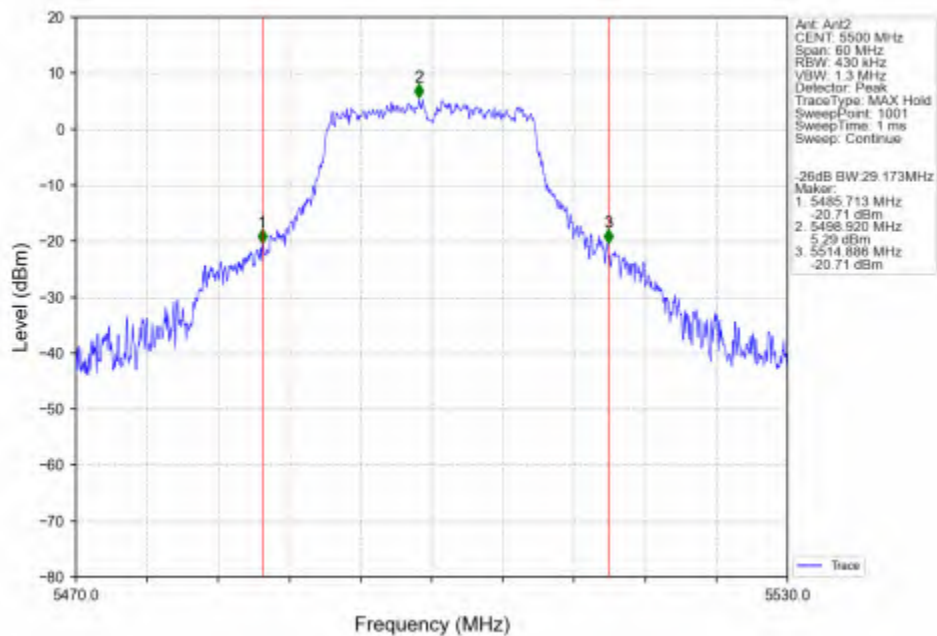


FCC ID: 2BLP-G7A1

802.11a_HCH_5700MHz_Ant2_NTNV

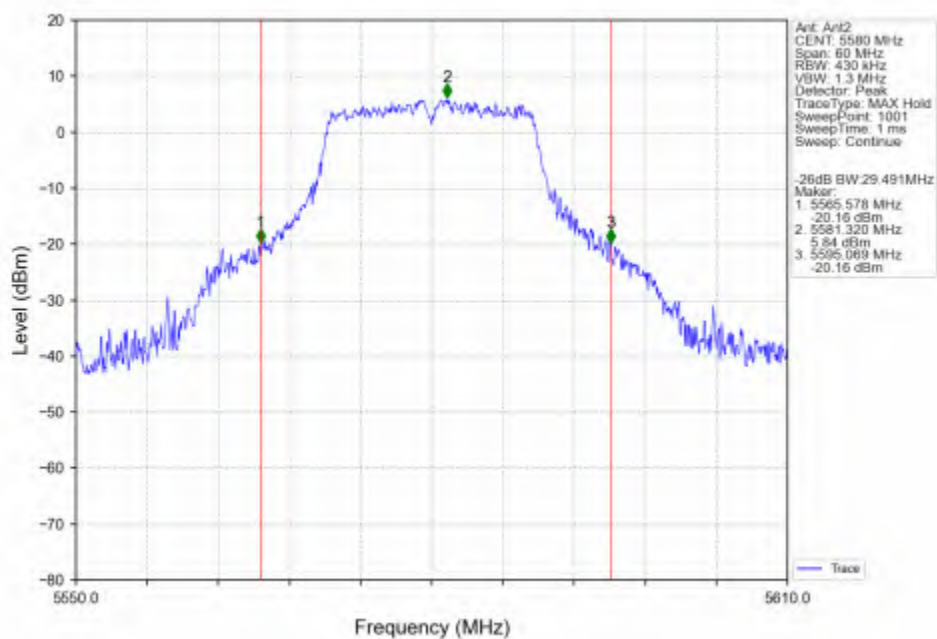


802.11n(HT20)_LCH_5500MHz_Ant2_NTNV

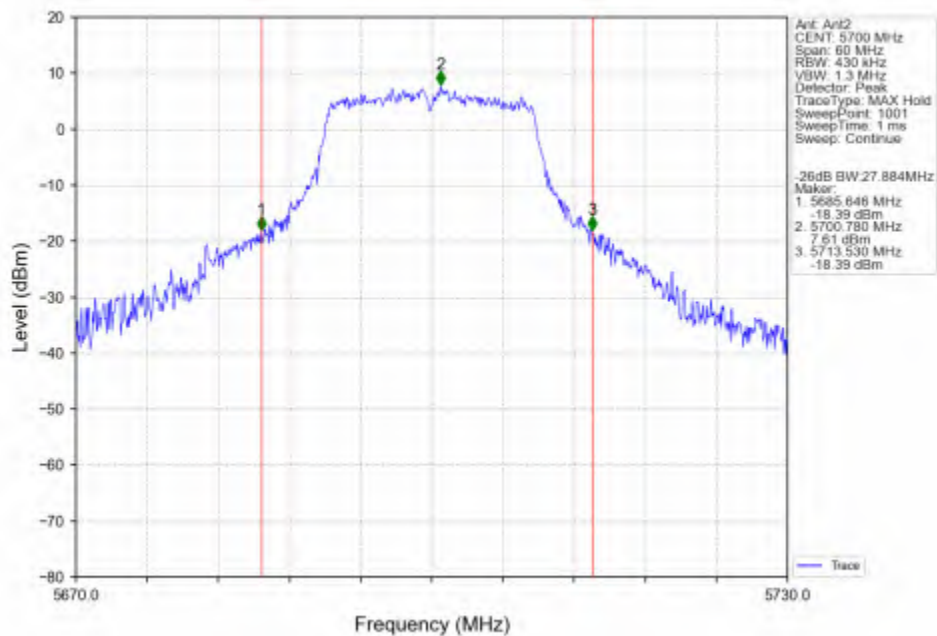


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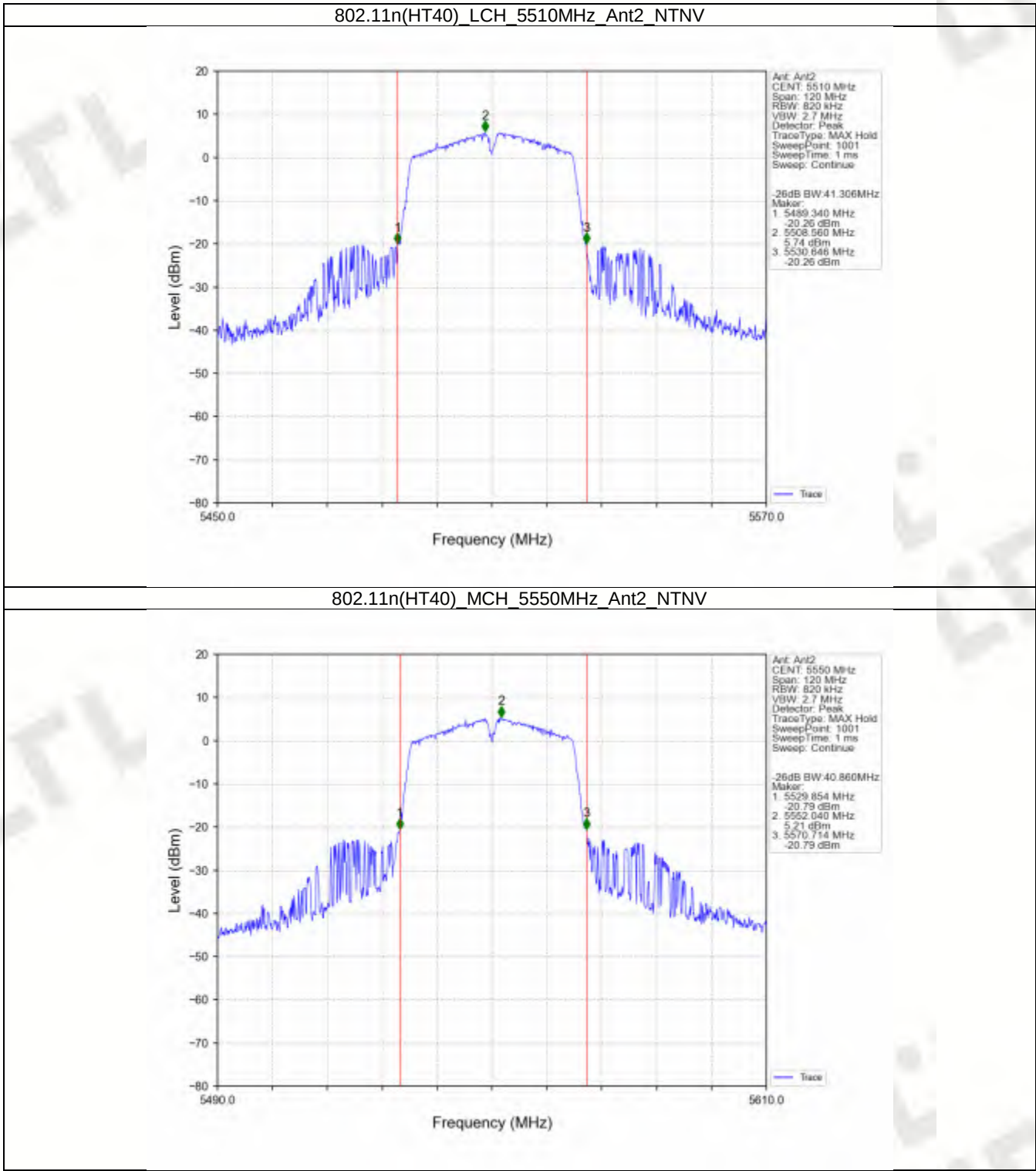
802.11n(HT20)_MCH_5580MHz_Ant2_NTNV



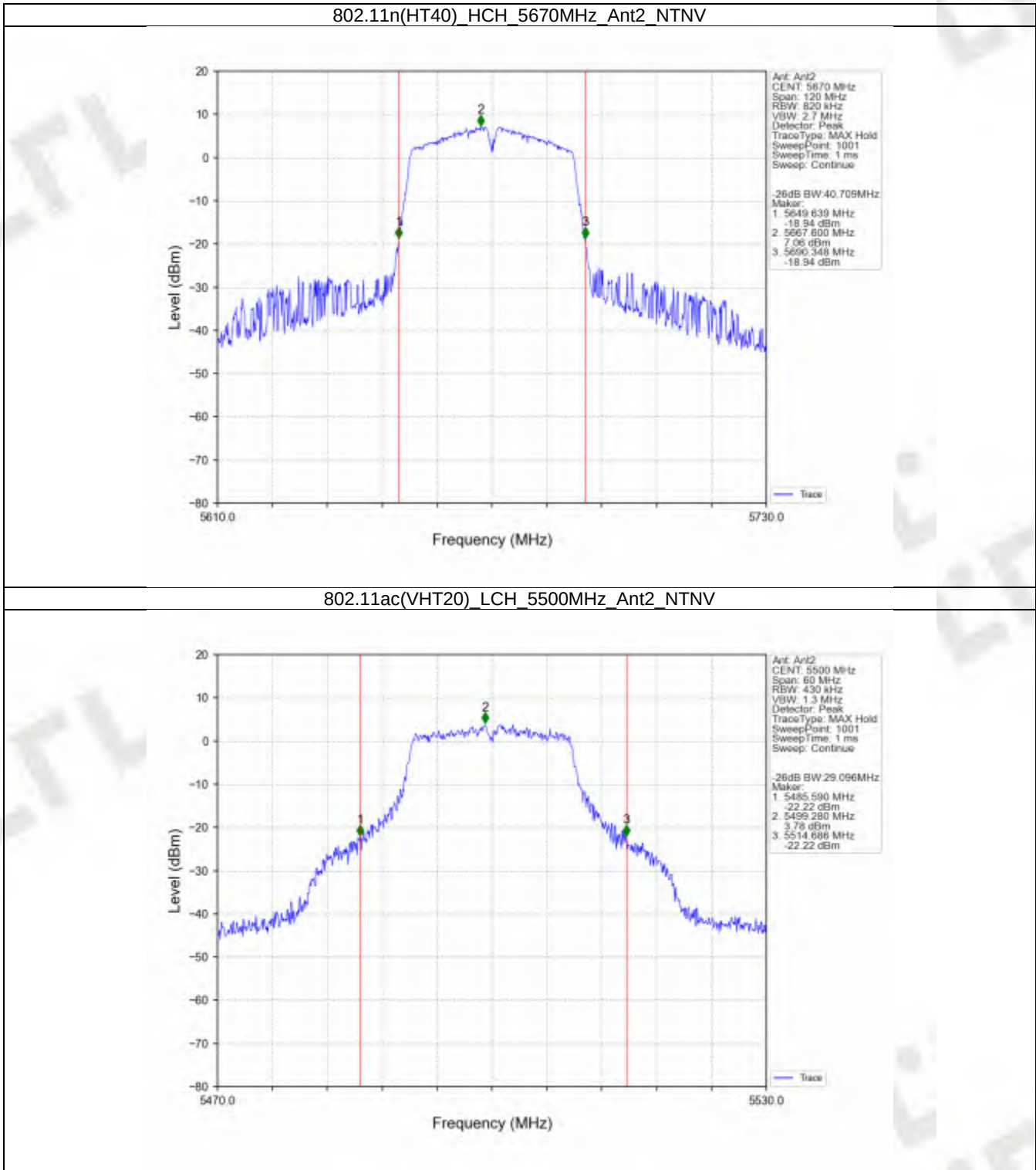
802.11n(HT20)_HCH_5700MHz_Ant2_NTNV



FCC ID: 2BLP-G7A1

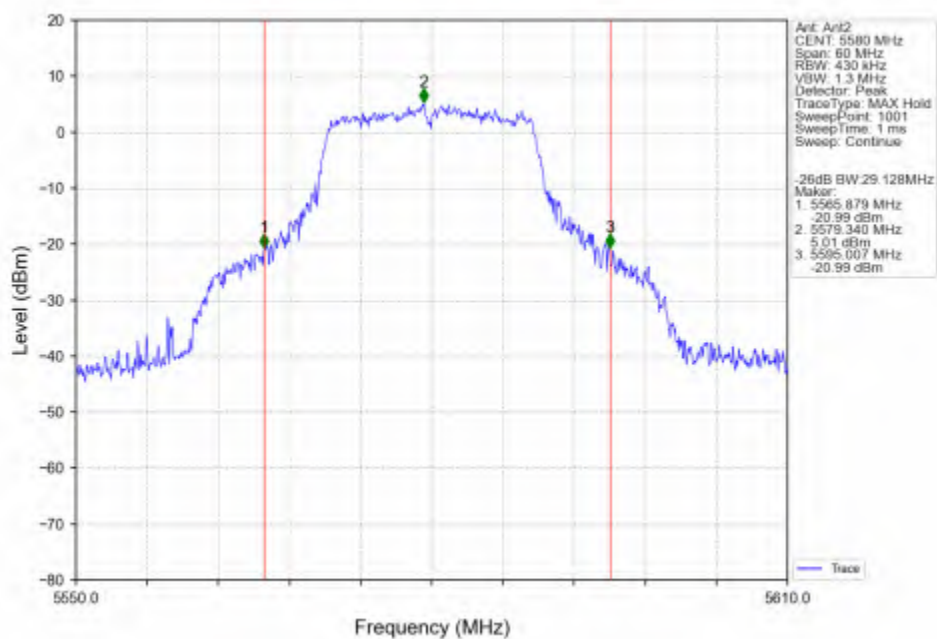


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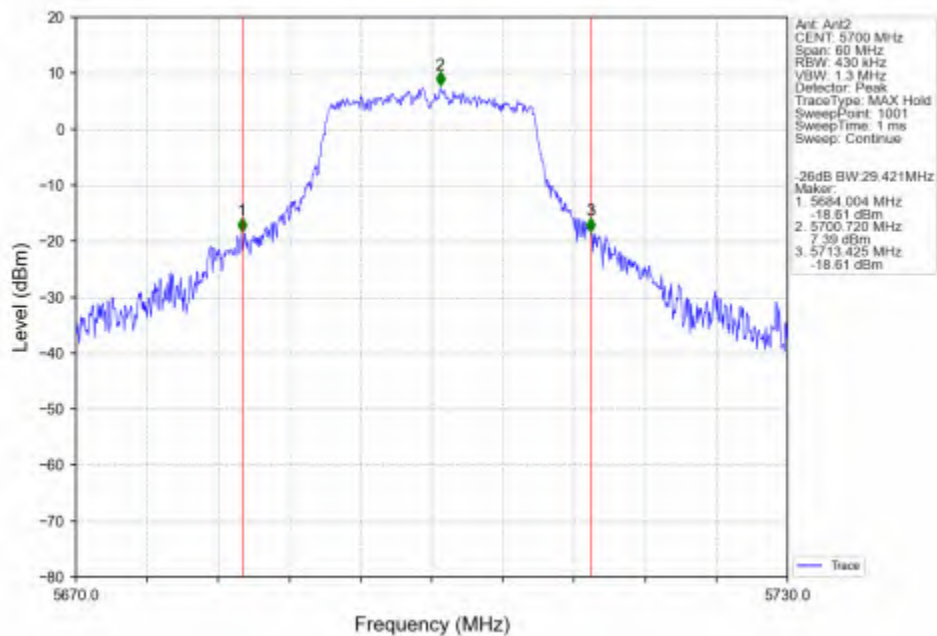


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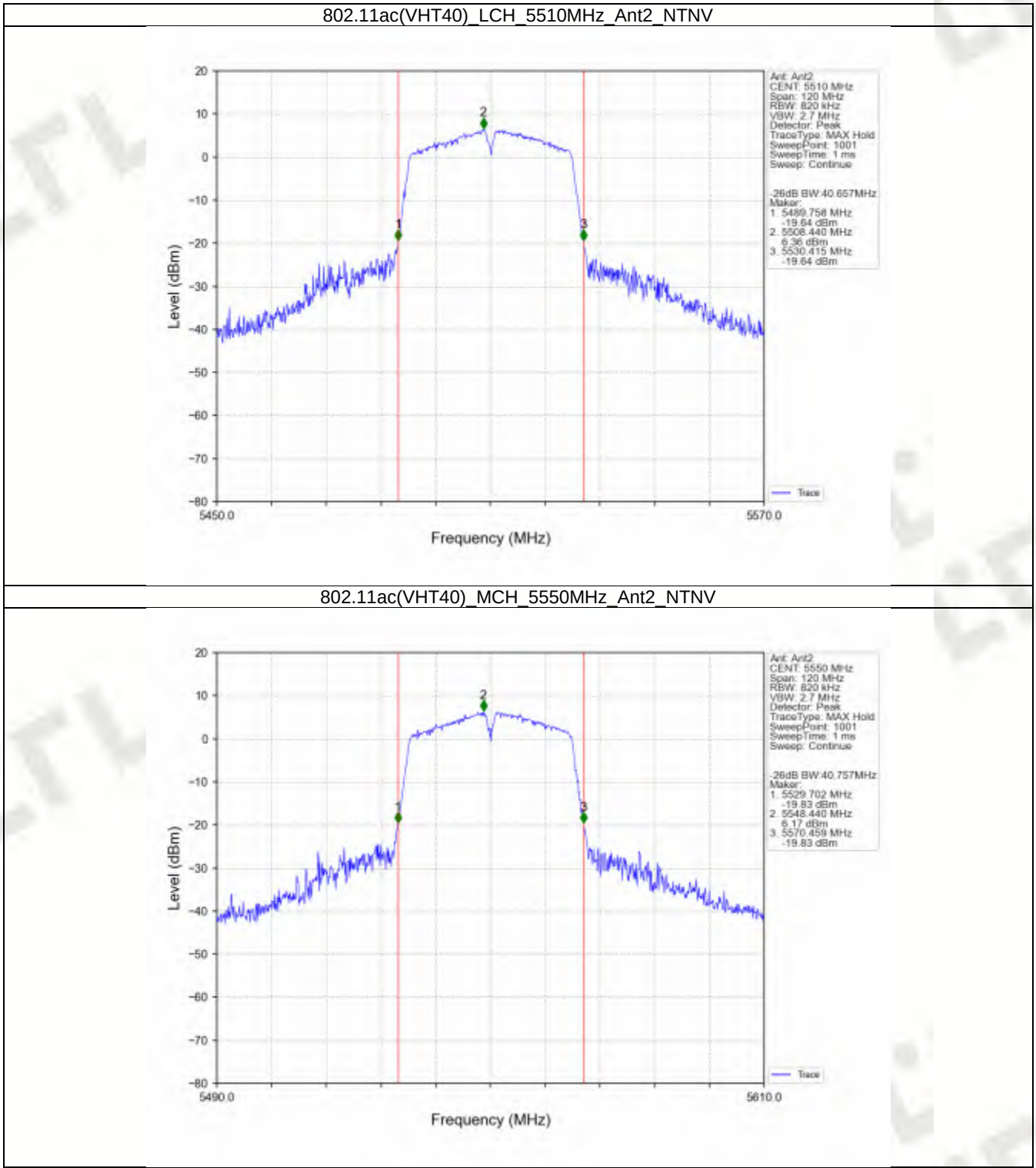
802.11ac(VHT20)_MCH_5580MHz_Ant2_NTNV



802.11ac(VHT20)_HCH_5700MHz_Ant2_NTNV

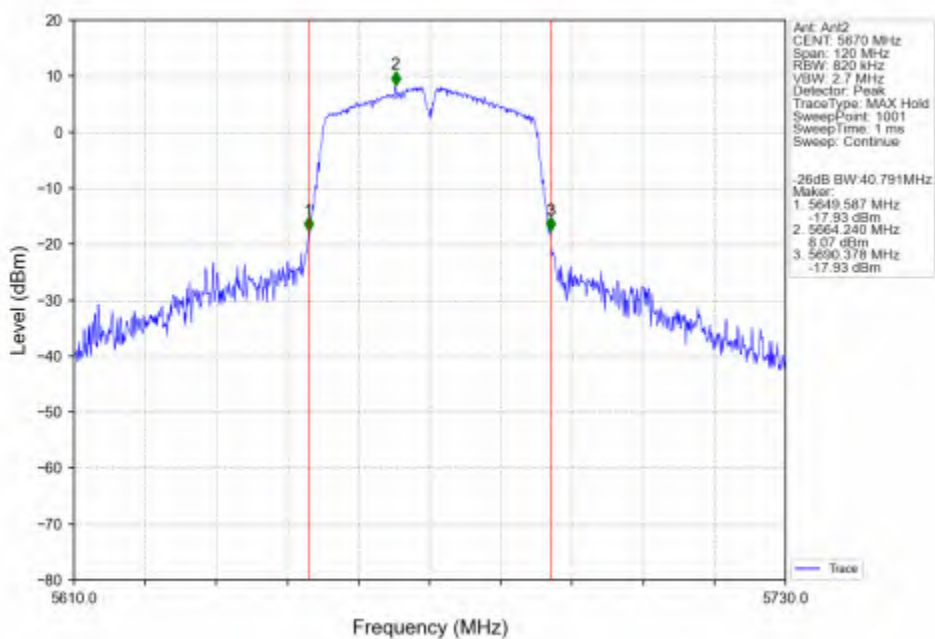


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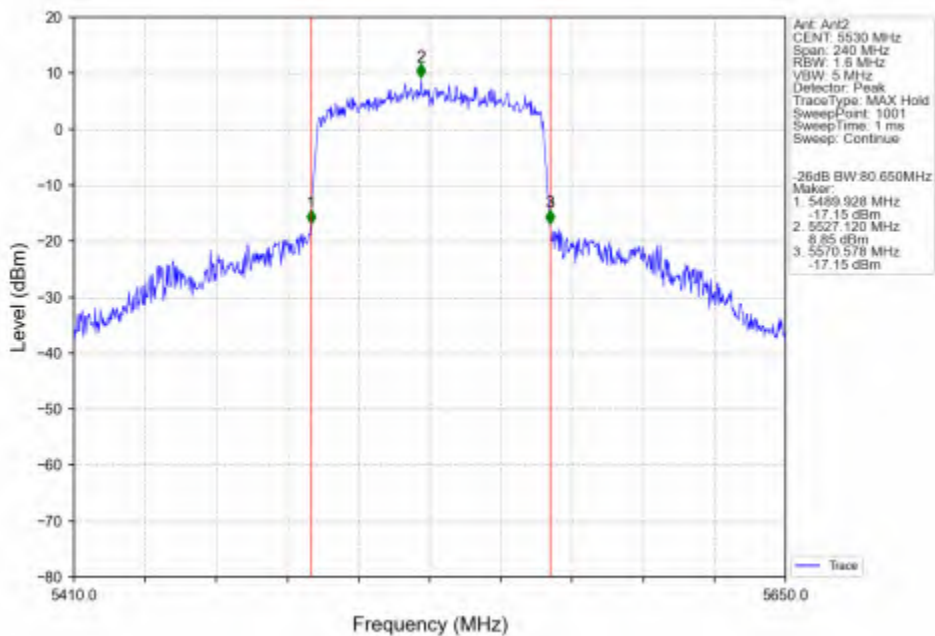


FCC ID: 2BLP-G7A1

802.11ac(VHT40)_HCH_5670MHz_Ant2_NTNV

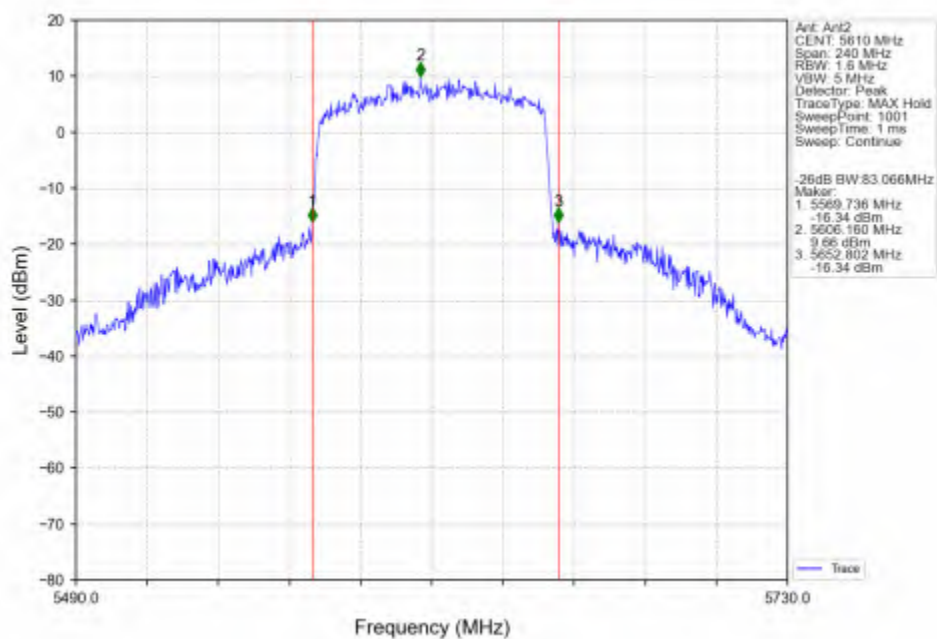


802.11ac(VHT80)_LCH_5530MHz_Ant2_NTNV

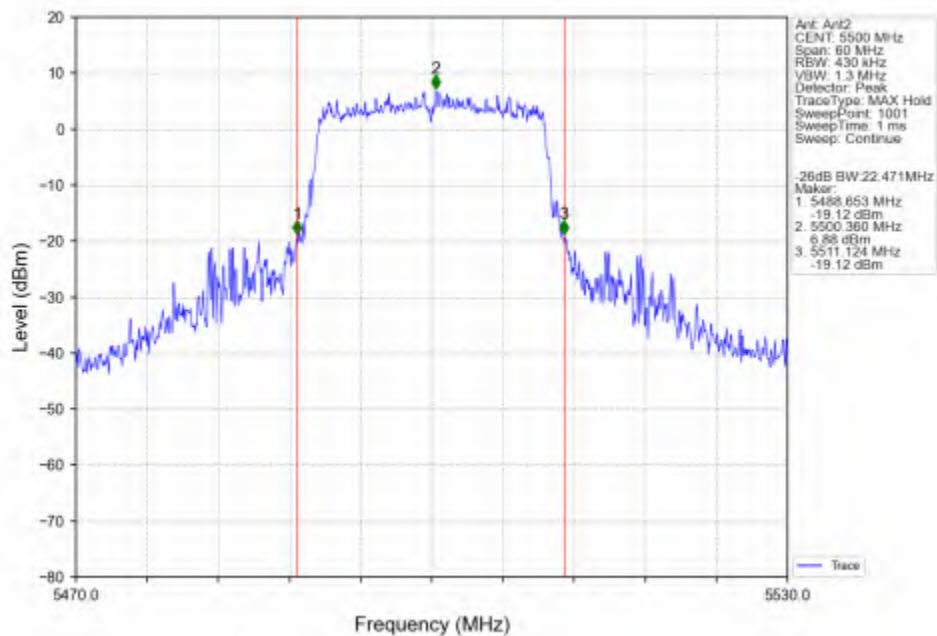


FCC ID: 2BLP-G7A1

802.11ac(VHT80)_HCH_5610MHz_Ant2_NTNV

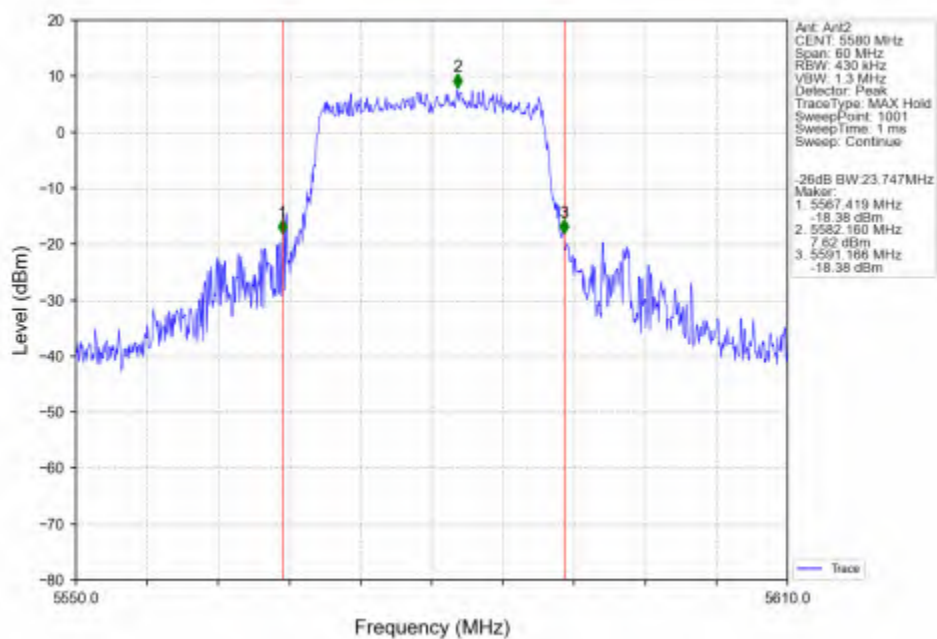


802.11ax(HEW20)_LCH_5500MHz_SU_/_Ant2_NTNV

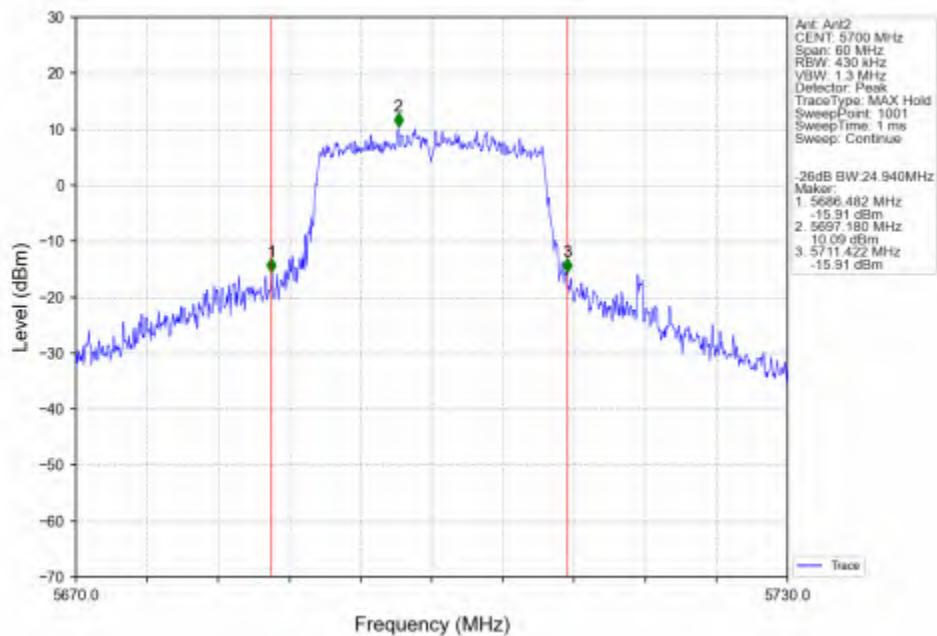


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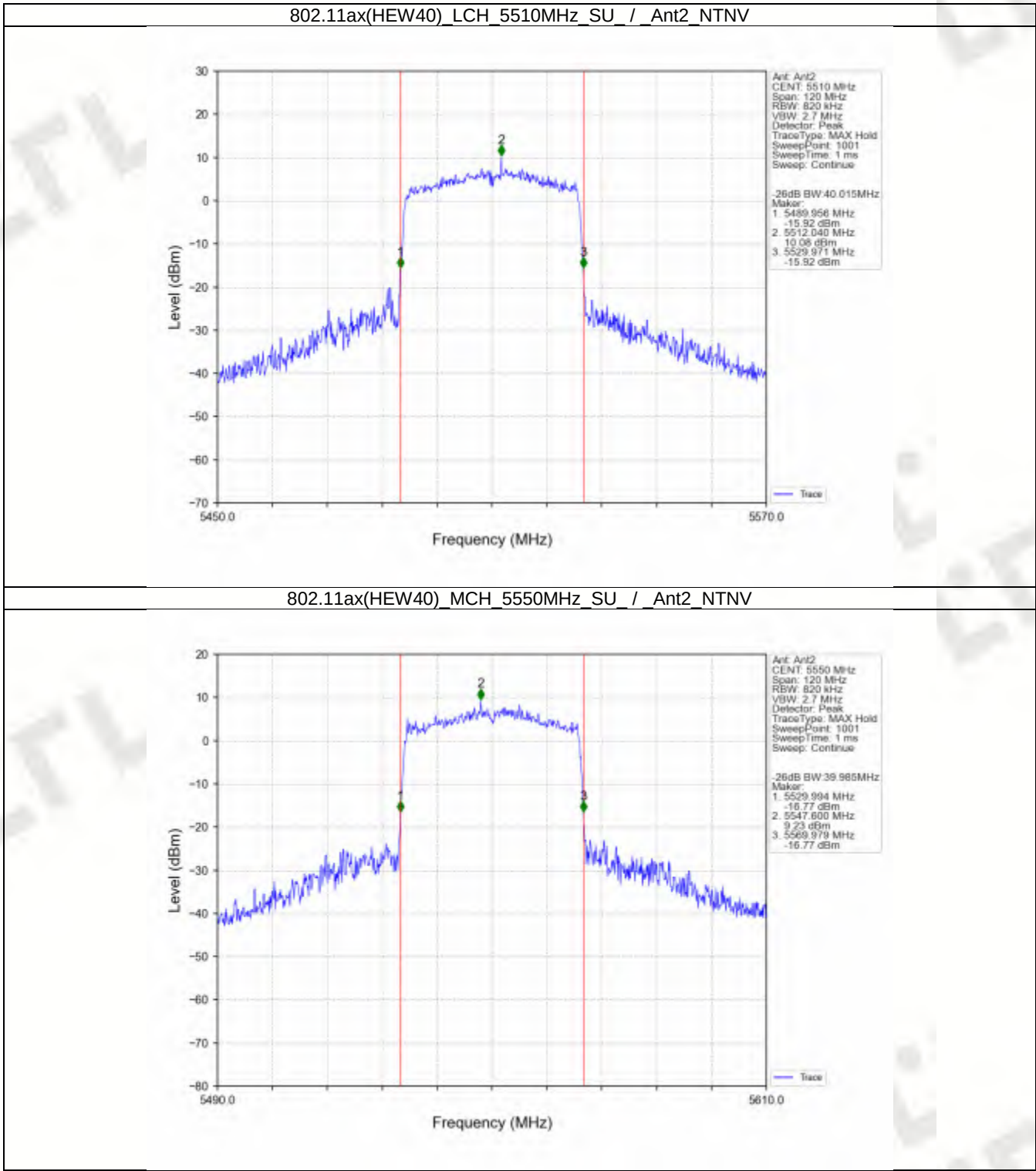
802.11ax(HEW20)_MCH_5580MHz_SU_ / Ant2_NTNV



802.11ax(HEW20)_HCH_5700MHz_SU_ / Ant2_NTNV

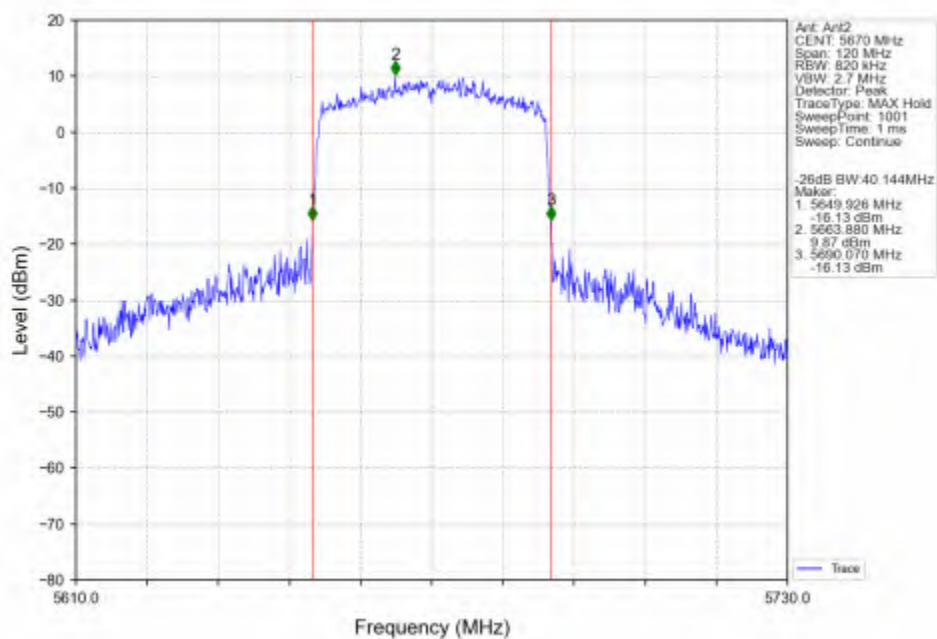


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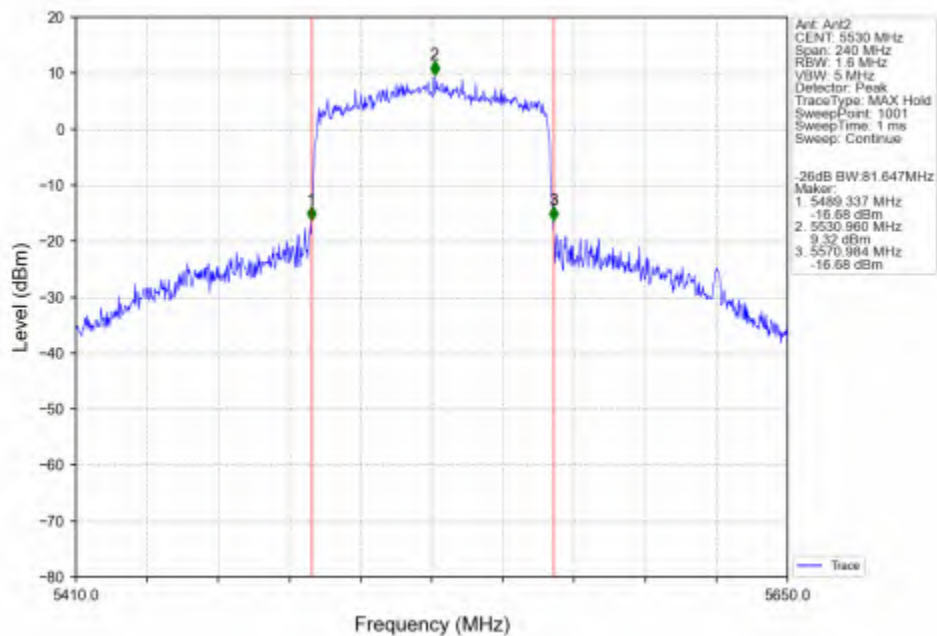


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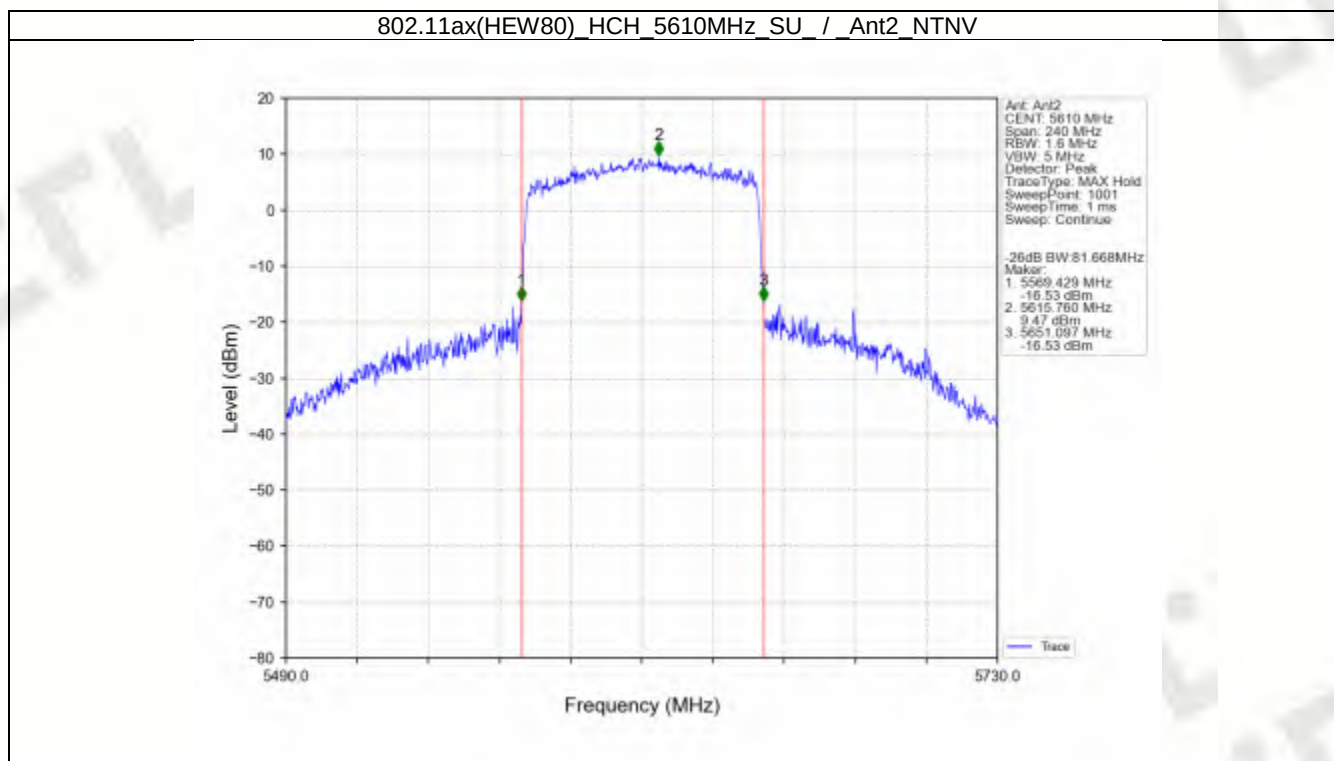
802.11ax(HEW40)_HCH_5670MHz_SU_ / _Ant2_NTNV



802.11ax(HEW80)_LCH_5530MHz_SU_ / _Ant2_NTNV



FCC ID: 2BLP-G7A1



FCC ID: 2BLP-G7A1

3. Maximum Conducted Output Power

3.1 Test Result

3.1.1 Power

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum Average Conducted Output Power (dBm)			Verdict
					ANT1	ANT2	Limit	
802.11a	SISO	5500	/	/	12.85	12.42	<=23.98	Pass
		5580	/	/	12.70	14.31	<=23.98	Pass
		5700	/	/	13.28	14.27	<=23.98	Pass
802.11n (HT20)	SISO	5500	/	/	12.72	13.55	<=23.98	Pass
		5580	/	/	13.06	13.14	<=23.98	Pass
		5700	/	/	13.98	13.16	<=23.98	Pass
802.11n (HT40)	SISO	5510	/	/	12.52	13.87	<=23.98	Pass
		5550	/	/	13.31	13.64	<=23.98	Pass
		5670	/	/	14.31	13.84	<=23.98	Pass
802.11ac (VHT20)	SISO	5500	/	/	13.08	12.96	<=23.98	Pass
		5580	/	/	13.67	14.19	<=23.98	Pass
		5700	/	/	14.04	14.91	<=23.98	Pass
802.11ac (VHT40)	SISO	5510	/	/	13.87	14.09	<=23.98	Pass
		5550	/	/	14.28	14.08	<=23.98	Pass
		5670	/	/	13.36	13.40	<=23.98	Pass
802.11ac (VHT80)	SISO	5530	/	/	13.01	12.23	<=23.98	Pass
		5610	/	/	14.06	14.22	<=23.98	Pass
802.11ax (HEW20)	SISO	5500	SU	/	13.66	13.35	<=23.98	Pass
		5580	SU	/	13.60	14.56	<=23.98	Pass
		5700	SU	/	14.30	14.81	<=23.98	Pass
802.11ax (HEW40)	SISO	5510	SU	/	12.94	14.30	<=23.98	Pass
		5550	SU	/	13.56	13.82	<=23.98	Pass
		5670	SU	/	14.52	13.60	<=23.98	Pass
802.11ax (HEW80)	SISO	5530	SU	/	13.11	12.69	<=23.98	Pass
		5610	SU	/	14.01	14.61	<=23.98	Pass

Note1: Antenna Gain: Ant1: 3.86dBi; Ant2: 2.15dBi;

FCC ID: 2BLP-G7A1

4. Maximum Power Spectral Density

4.1 Test Result

4.1.1 PSD

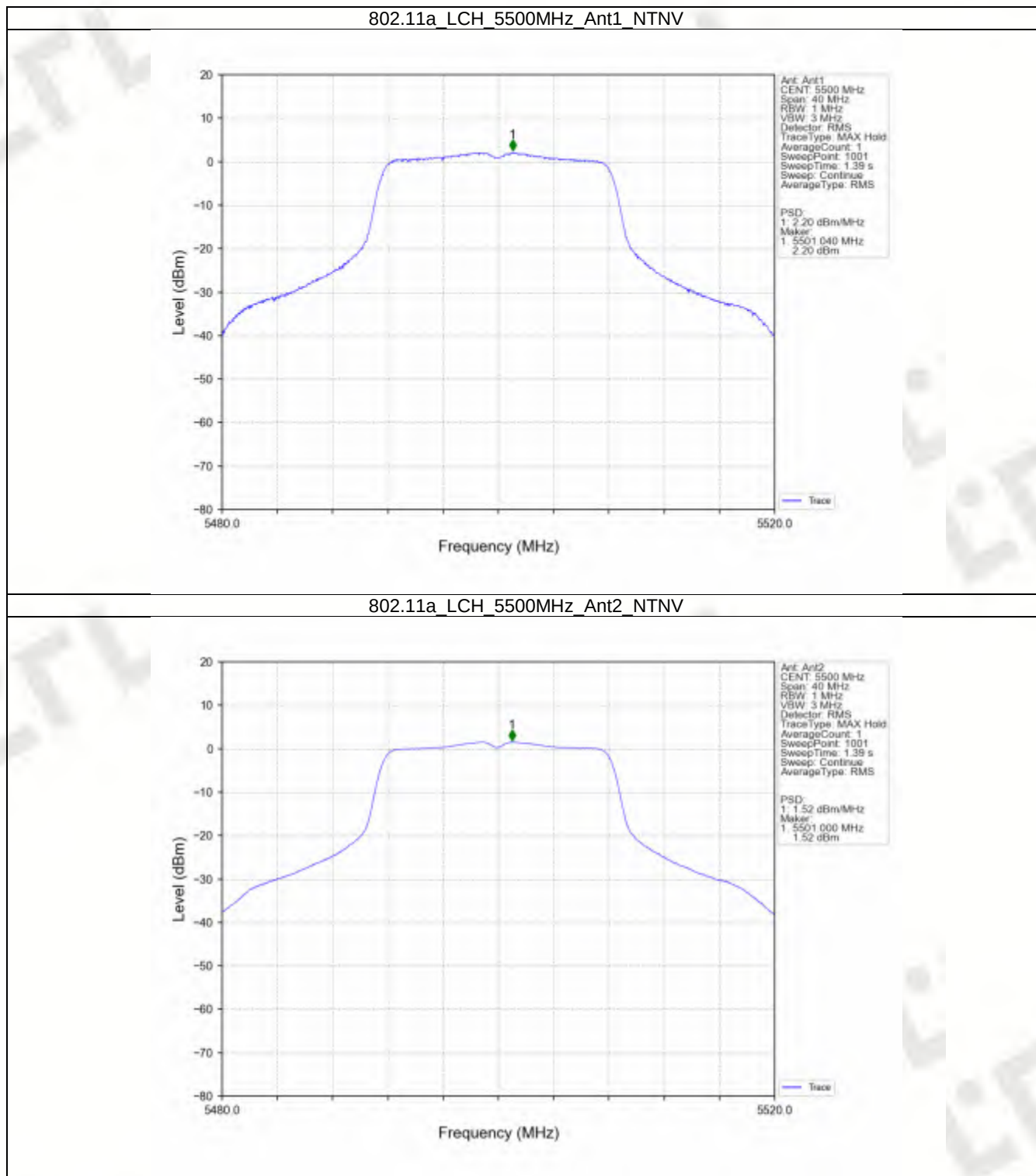
Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum PSD (dBm/MHz)			Verdict
					ANT1	ANT2	Limit	
802.11a	SISO	5500	/	/	2.20	1.52	<=11	Pass
		5580	/	/	2.09	3.77	<=11	Pass
		5700	/	/	2.56	3.78	<=11	Pass
802.11n (HT20)	SISO	5500	/	/	1.95	2.59	<=11	Pass
		5580	/	/	2.14	2.19	<=11	Pass
		5700	/	/	3.15	2.33	<=11	Pass
802.11n (HT40)	SISO	5510	/	/	-0.74	0.85	<=11	Pass
		5550	/	/	0.26	0.73	<=11	Pass
		5670	/	/	1.26	0.95	<=11	Pass
802.11ac (VHT20)	SISO	5500	/	/	2.16	2.00	<=11	Pass
		5580	/	/	2.86	3.31	<=11	Pass
		5700	/	/	3.26	4.28	<=11	Pass
802.11ac (VHT40)	SISO	5510	/	/	0.58	1.12	<=11	Pass
		5550	/	/	1.16	1.14	<=11	Pass
		5670	/	/	0.41	0.66	<=11	Pass
802.11ac (VHT80)	SISO	5530	/	/	-3.27	-4.21	<=11	Pass
		5610	/	/	-2.01	-2.45	<=11	Pass
802.11ax (HEW20)	SISO	5500	SU	/	2.39	1.96	<=11	Pass
		5580	SU	/	2.32	3.29	<=11	Pass
		5700	SU	/	3.09	3.57	<=11	Pass
802.11ax (HEW40)	SISO	5510	SU	/	-0.73	1.09	<=11	Pass
		5550	SU	/	-0.02	0.52	<=11	Pass
		5670	SU	/	1.27	0.23	<=11	Pass
802.11ax (HEW80)	SISO	5530	SU	/	-2.83	-3.70	<=11	Pass
		5610	SU	/	-2.26	-2.10	<=11	Pass

Note1: Antenna Gain: Ant1: 3.86dBi; Ant2: 2.15dBi;

FCC ID: 2BLP-G7A1

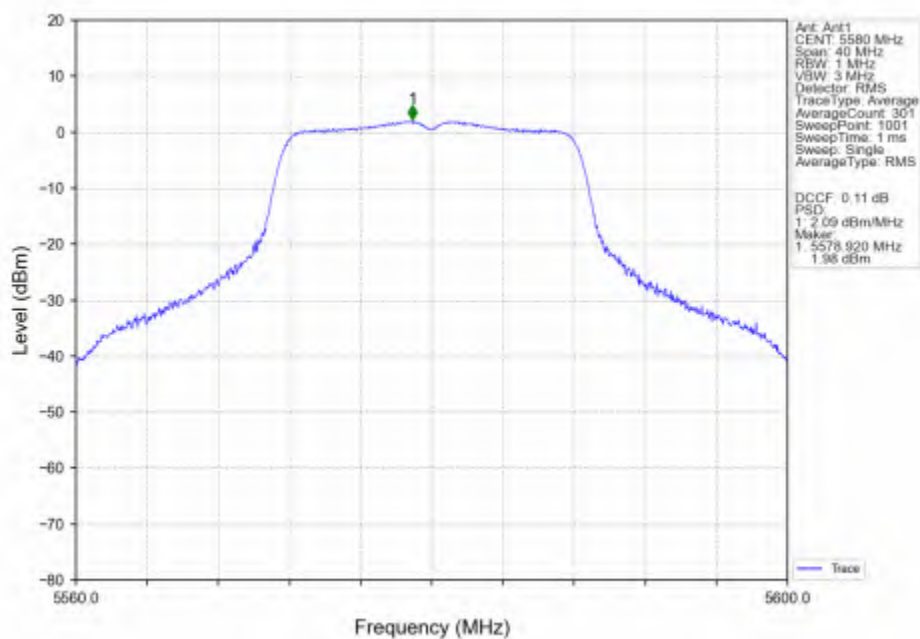
4.2 Test Graph

4.2.1 PSD

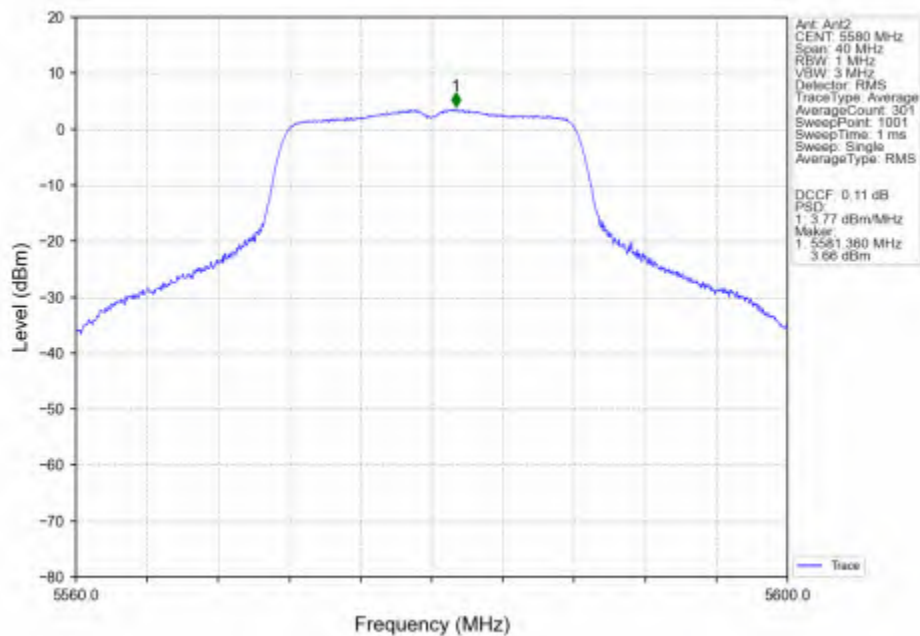


FCC ID: 2BLP-G7A1

802.11a_MCH_5580MHz_Ant1_NTNV

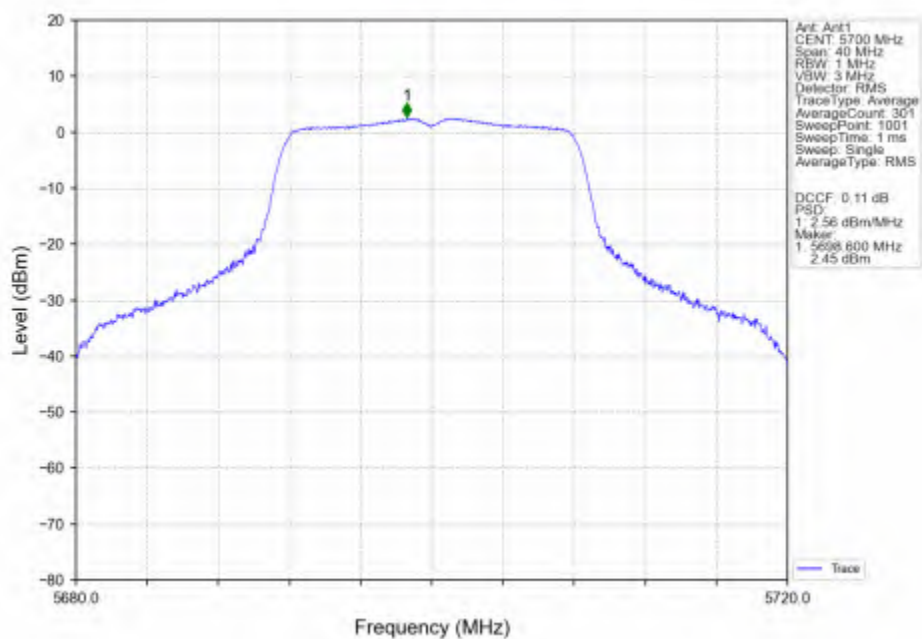


802.11a_MCH_5580MHz_Ant2_NTNV

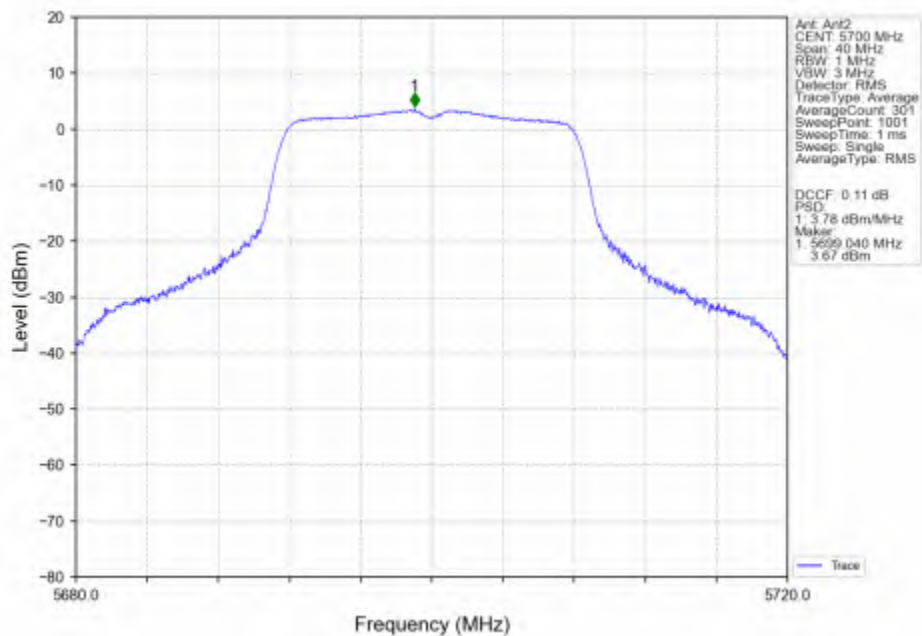


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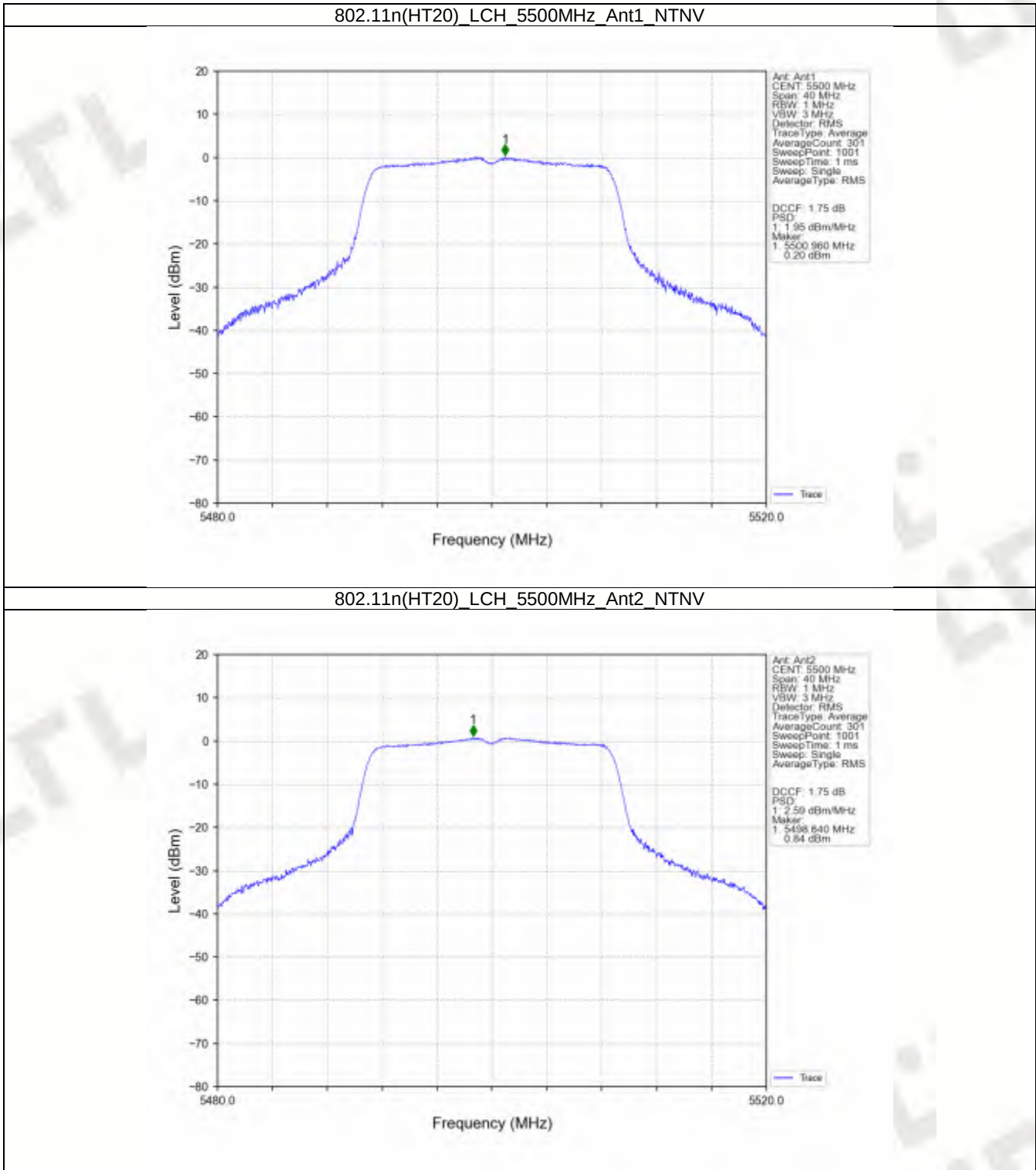
802.11a_HCH_5700MHz_Ant1_NTNV



802.11a_HCH_5700MHz_Ant2_NTNV

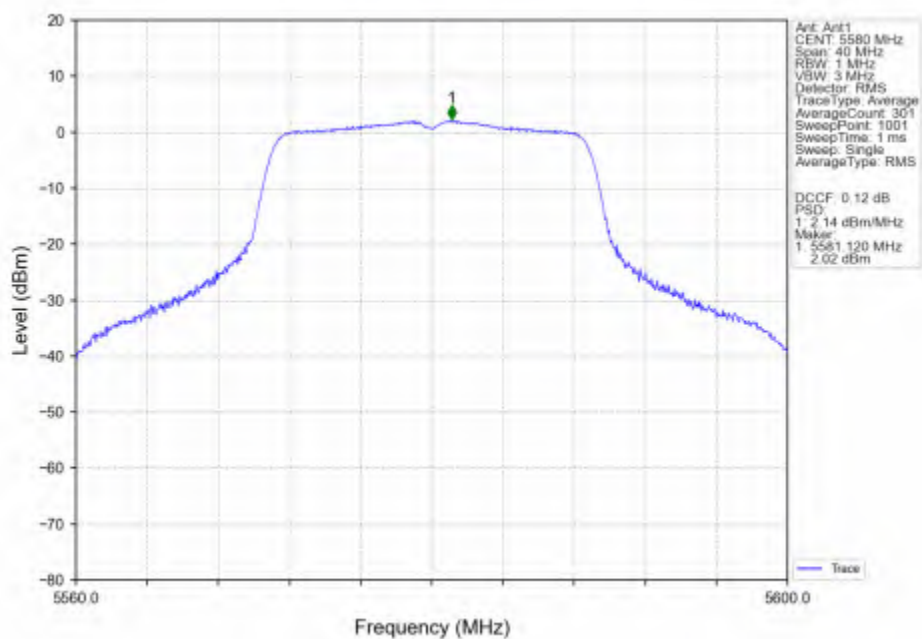


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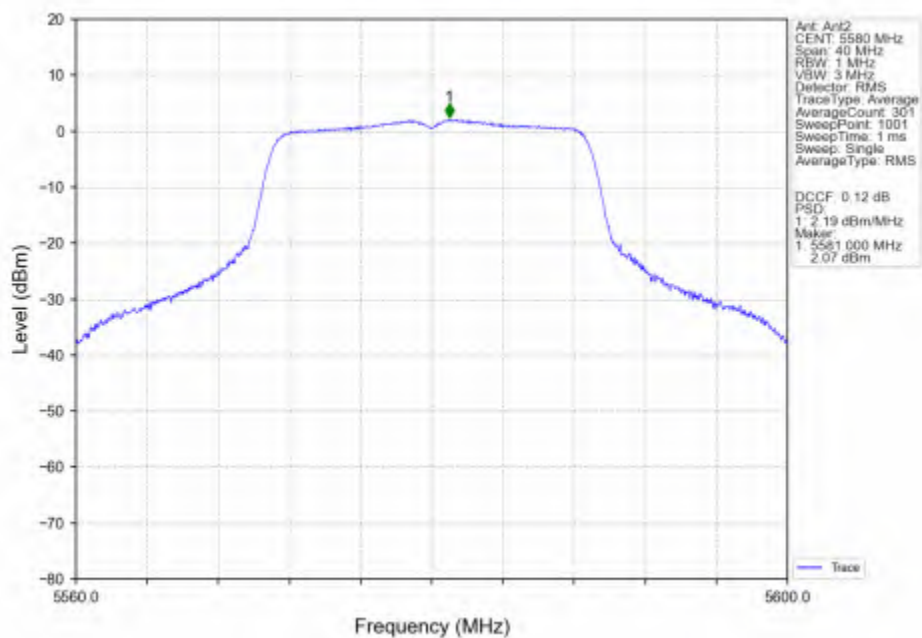


FCC ID: 2BLP-G7A1

802.11n(HT20)_MCH_5580MHz_Ant1_NTNV

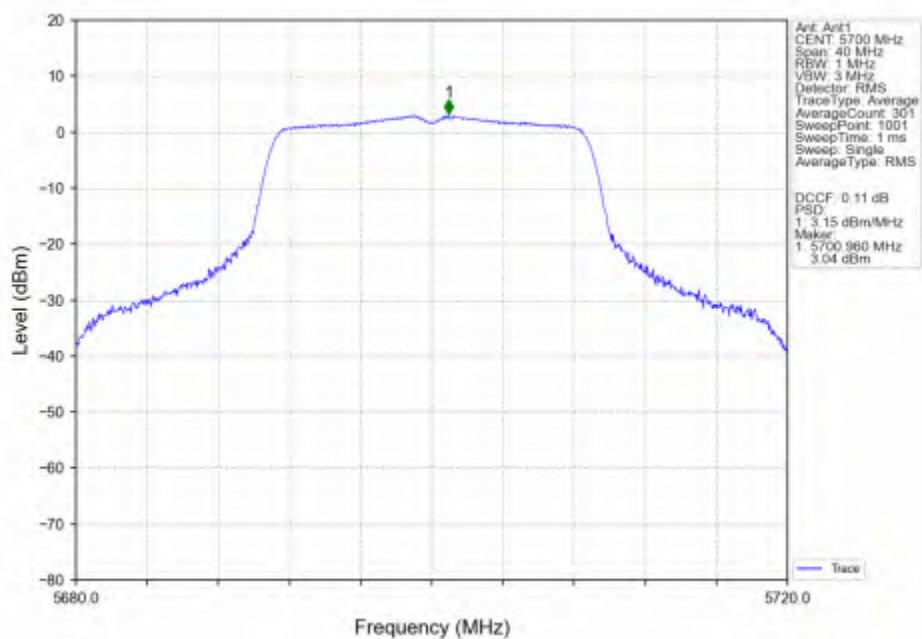


802.11n(HT20)_MCH_5580MHz_Ant2_NTNV

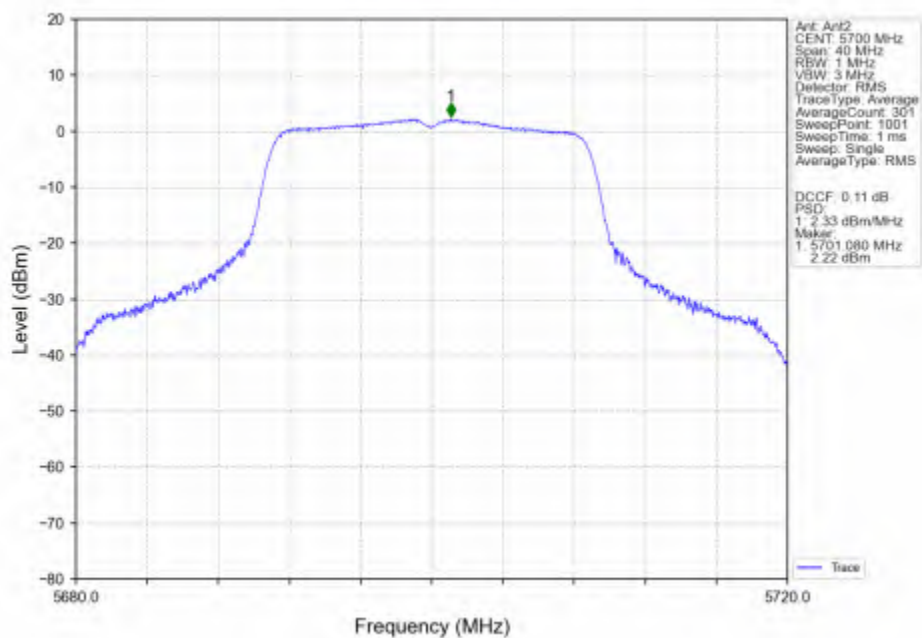


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802.11n(HT20) HCH 5700MHz_Ant1_NTNV

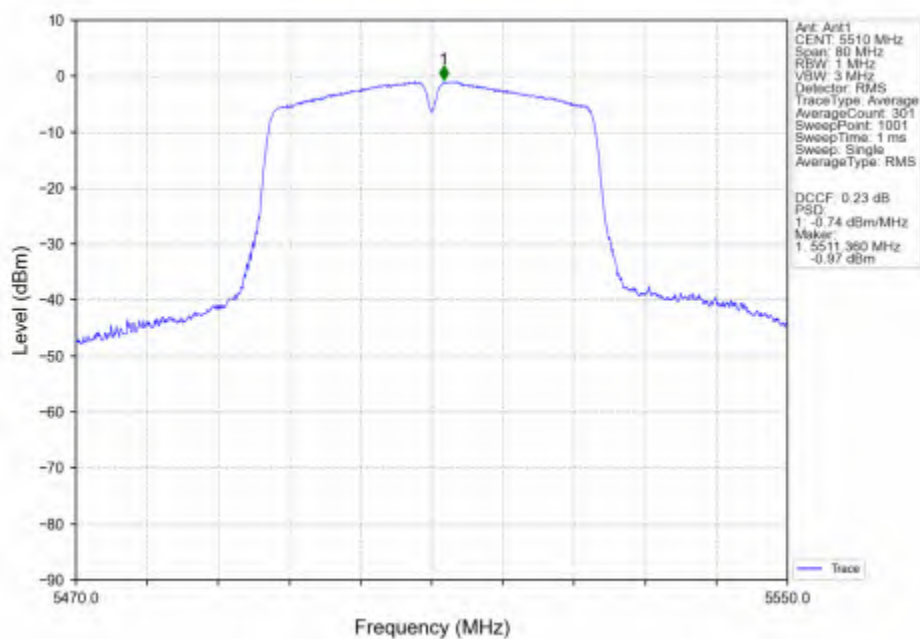


802.11n(HT20) HCH 5700MHz_Ant2_NTNV

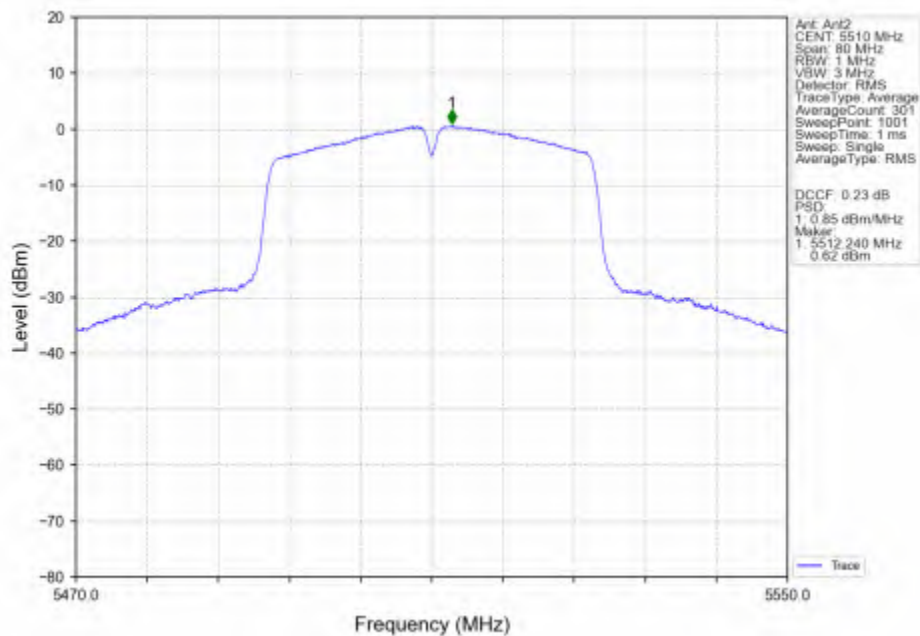


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802.11n(HT40)_LCH_5510MHz_Ant1_NTNV

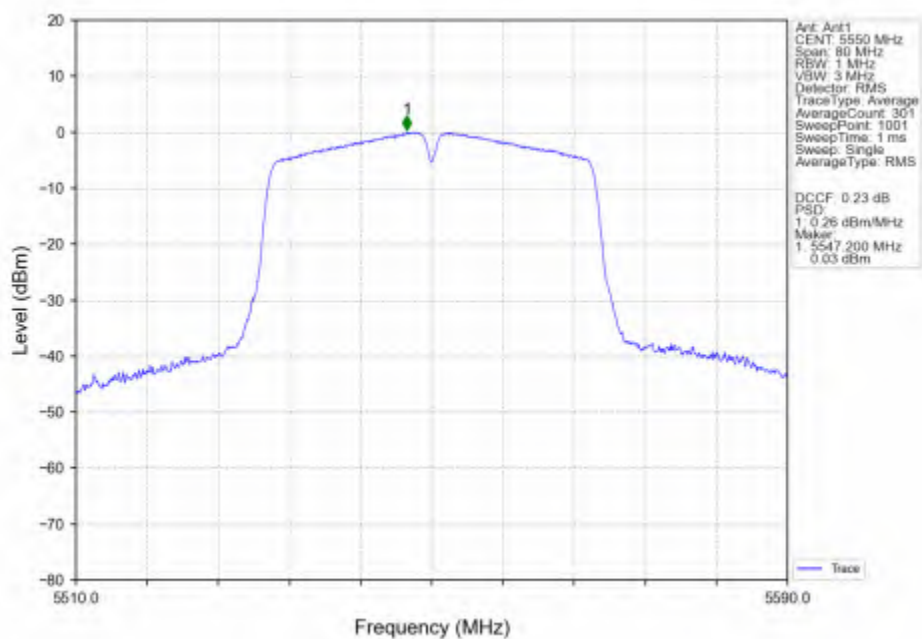


802.11n(HT40)_LCH_5510MHz_Ant2_NTNV

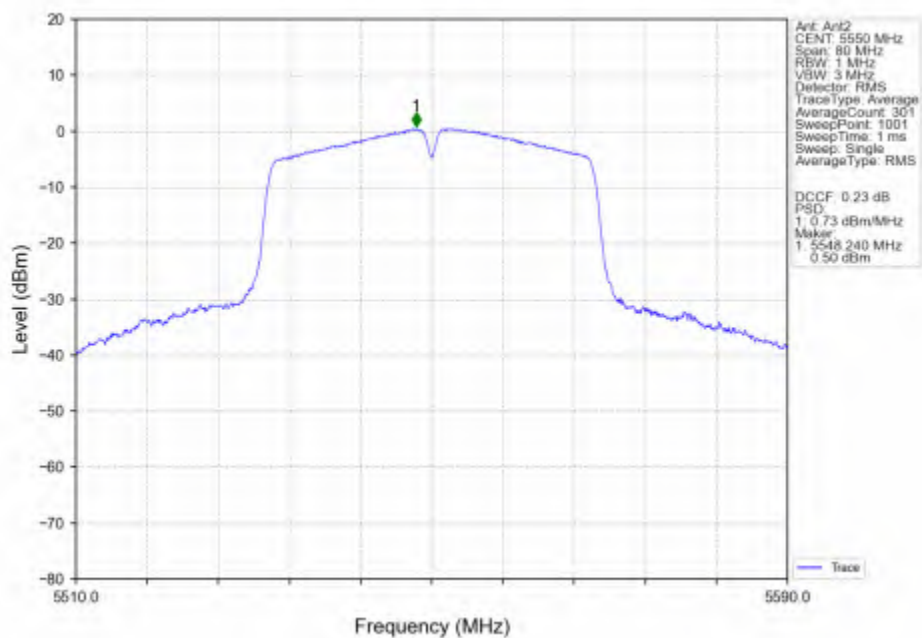


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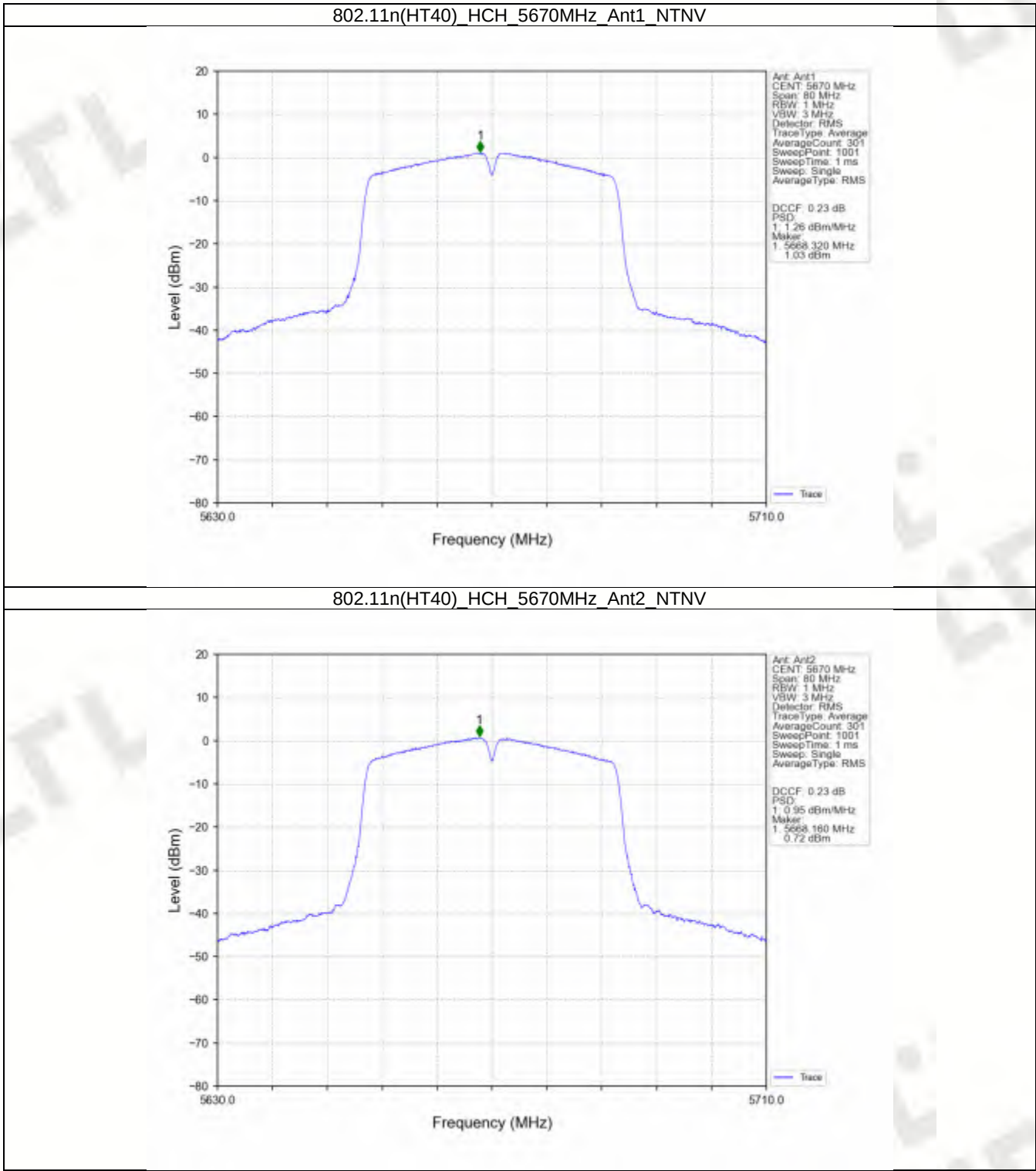
802.11n(HT40)_MCH_5550MHz_Ant1_NTNV



802.11n(HT40)_MCH_5550MHz_Ant2_NTNV

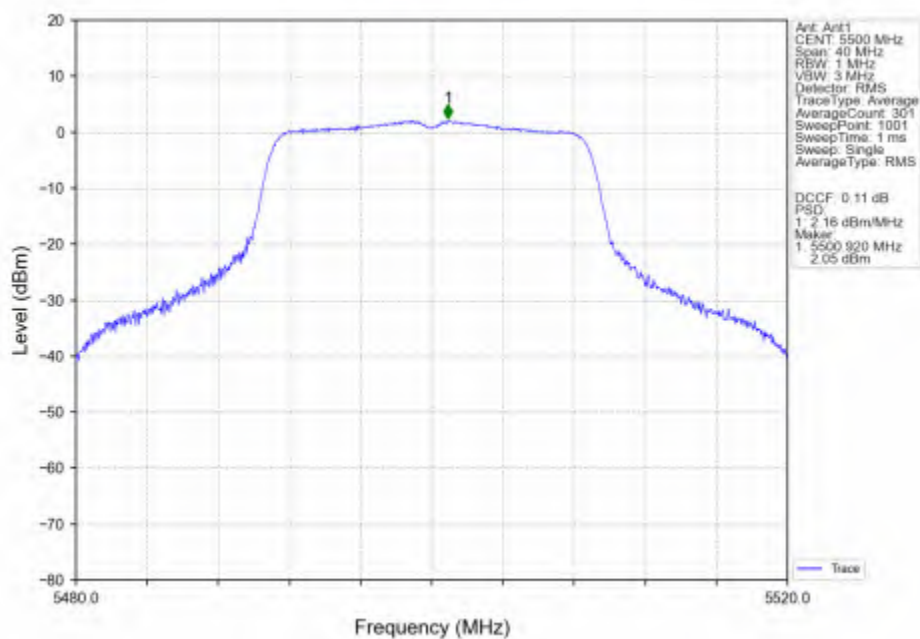


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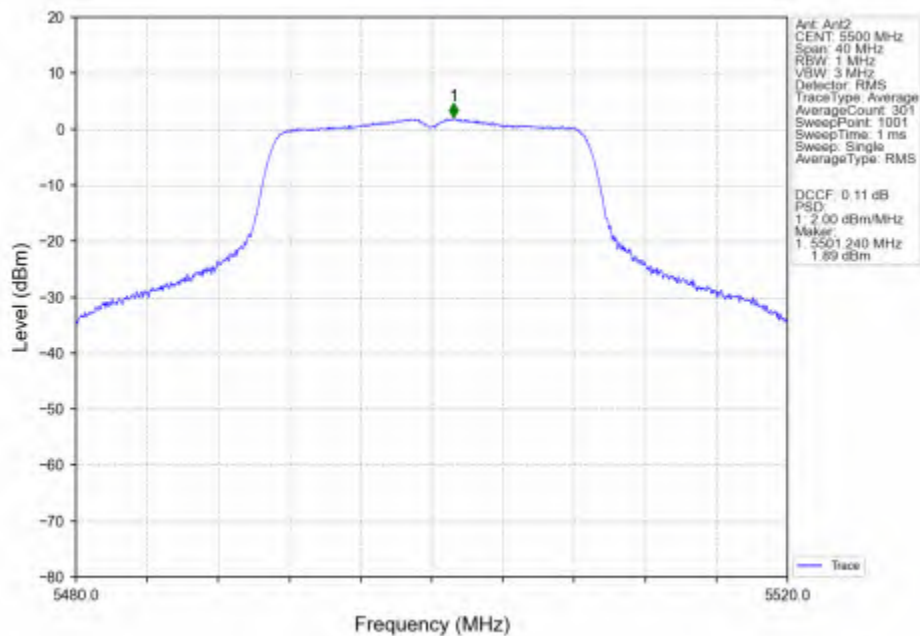


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802.11ac(VHT20)_LCH_5500MHz_Ant1_NTNV

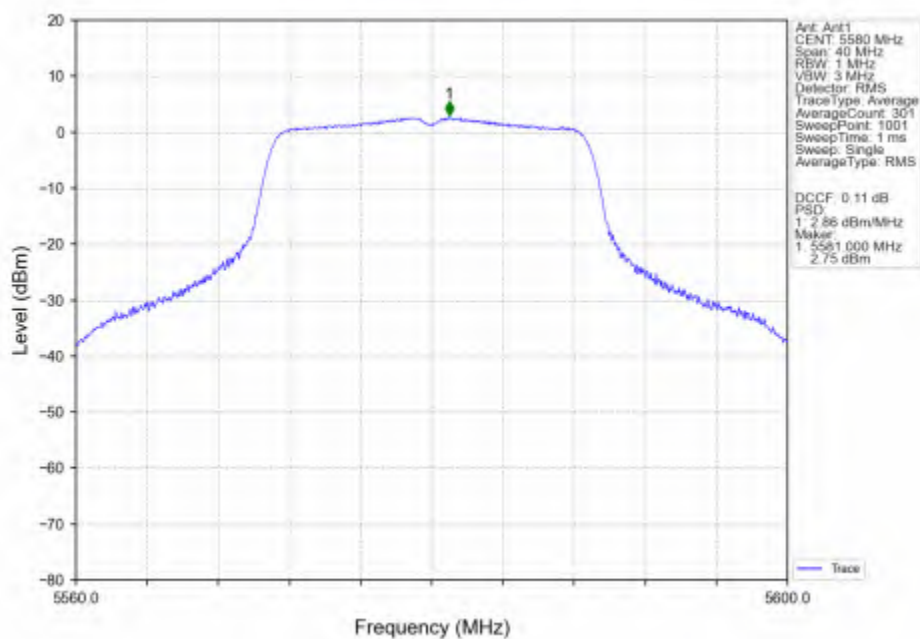


802.11ac(VHT20)_LCH_5500MHz_Ant2_NTNV

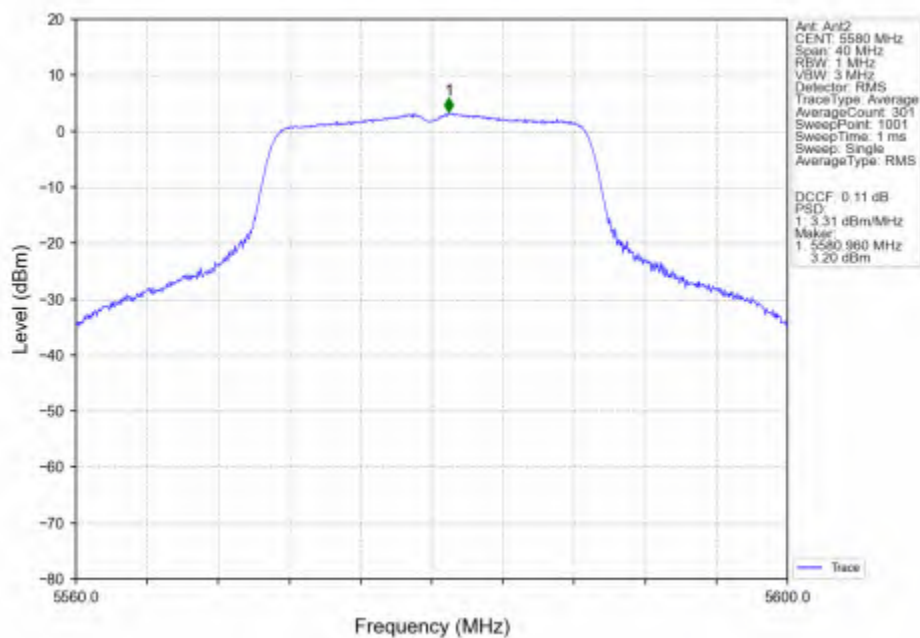


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802.11ac(VHT20)_MCH_5580MHz_Ant1_NTNV

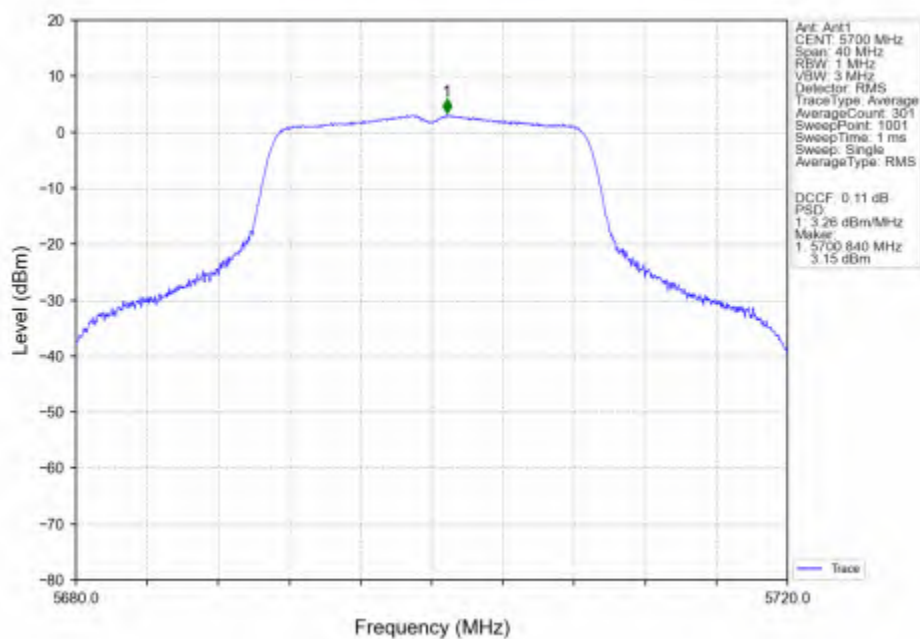


802.11ac(VHT20)_MCH_5580MHz_Ant2_NTNV

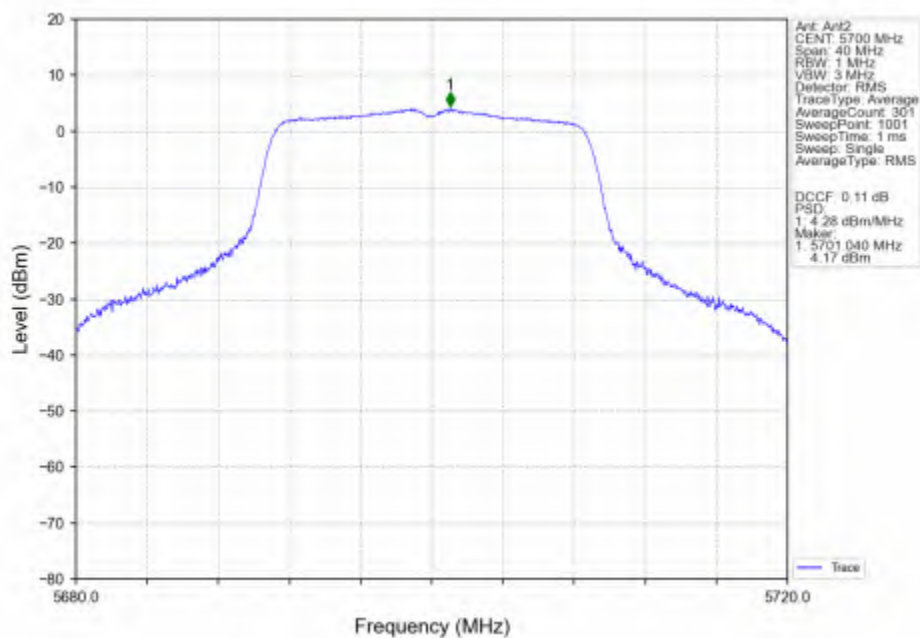


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802.11ac(VHT20)_HCH_5700MHz_Ant1_NTNV

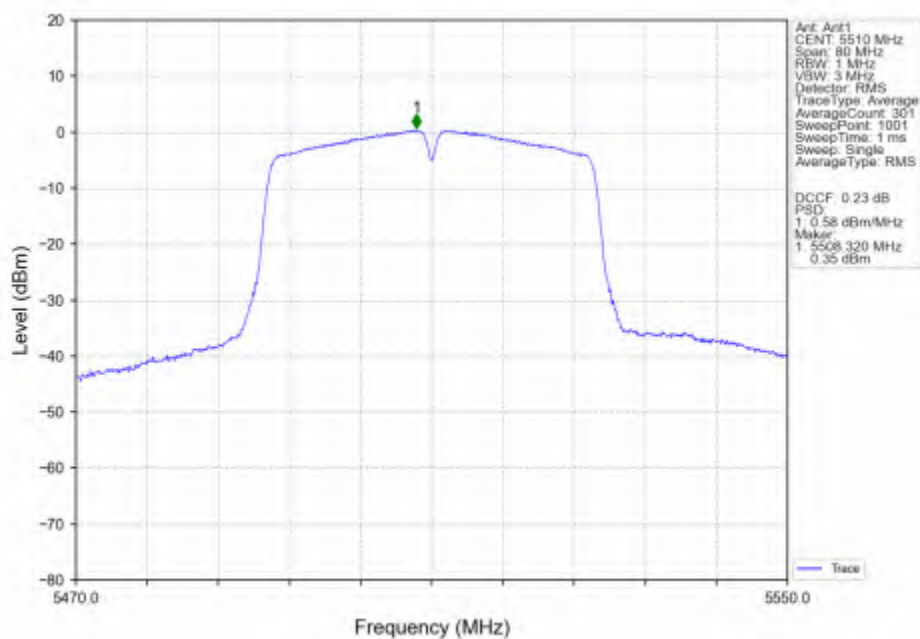


802.11ac(VHT20)_HCH_5700MHz_Ant2_NTNV

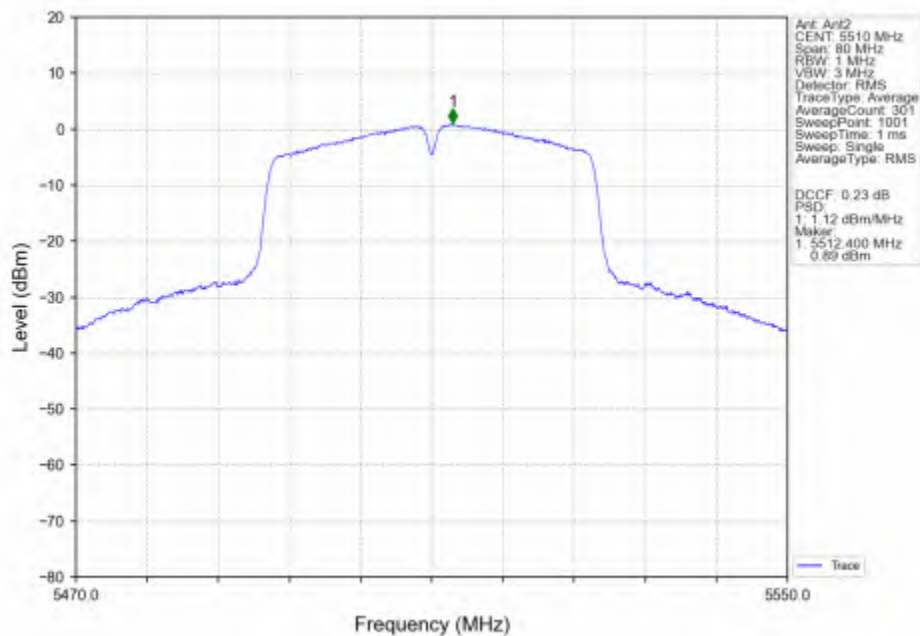


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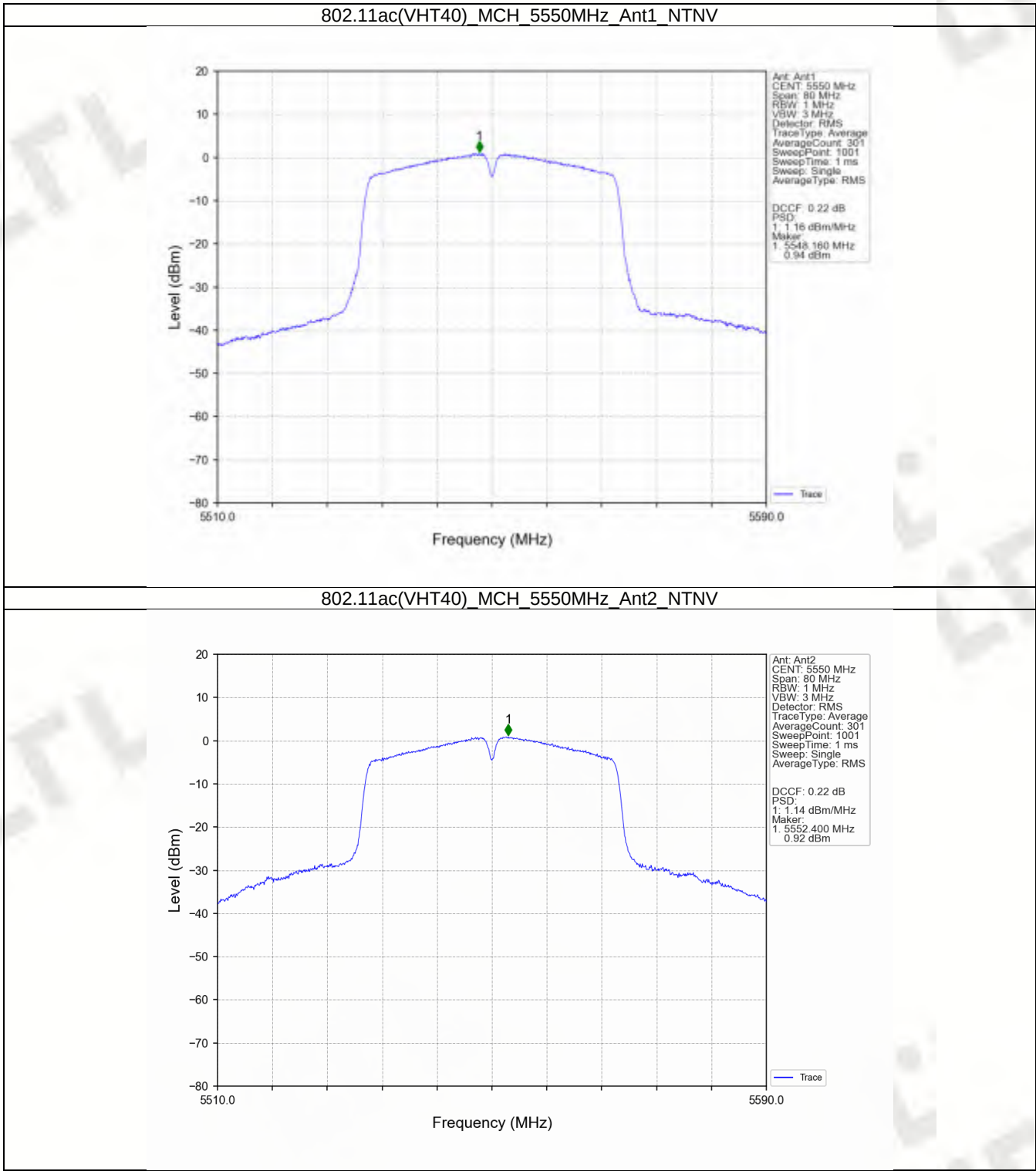
802.11ac(VHT40) LCH_5510MHz_Ant1_NTNV



802.11ac(VHT40) LCH_5510MHz_Ant2_NTNV

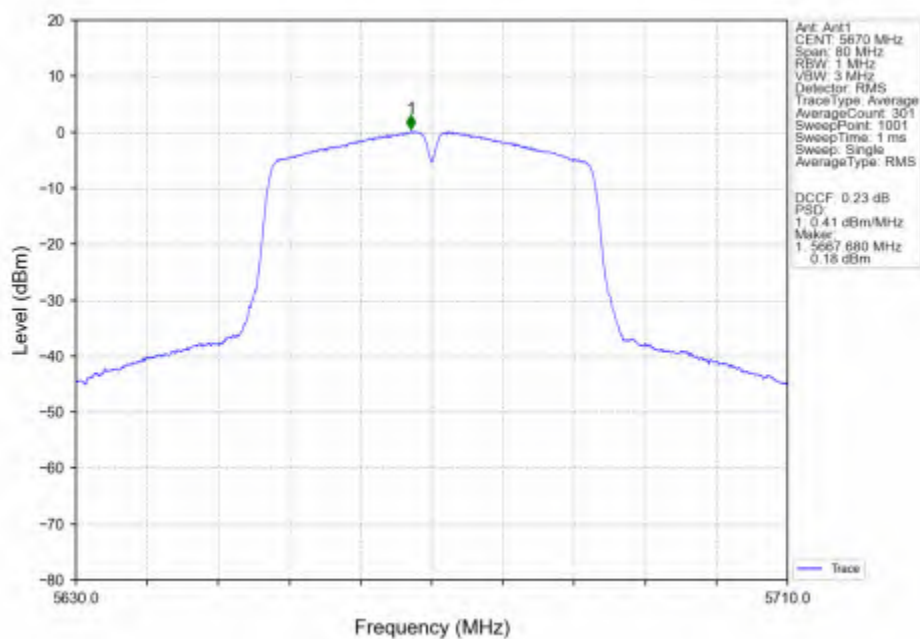


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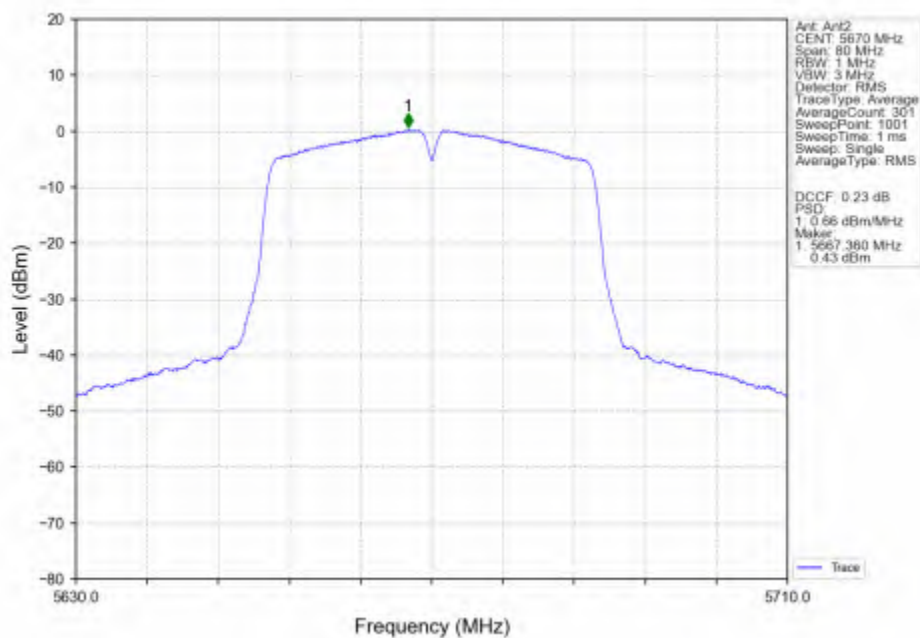


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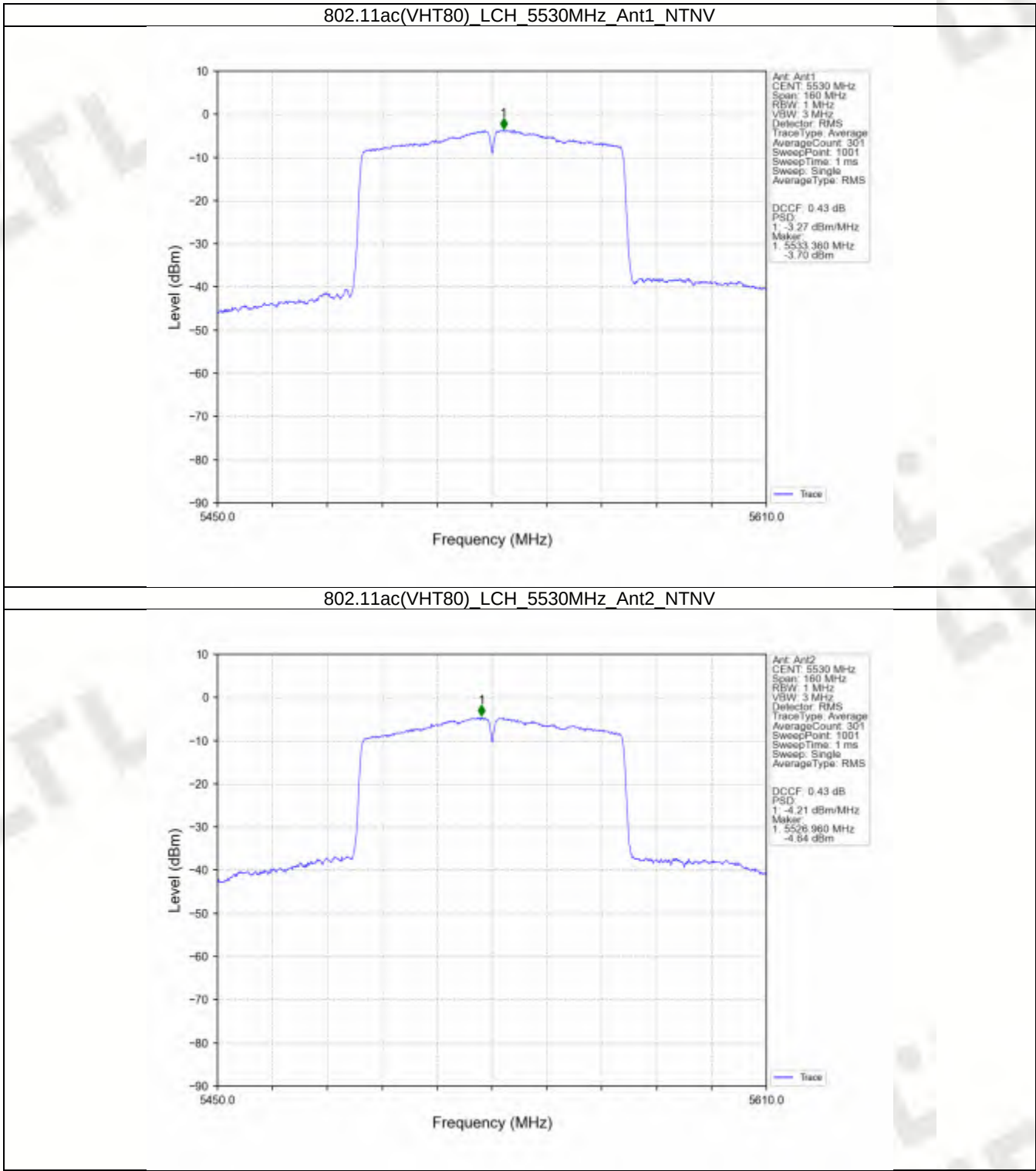
802.11ac(VHT40)_HCH_5670MHz_Ant1_NTNV



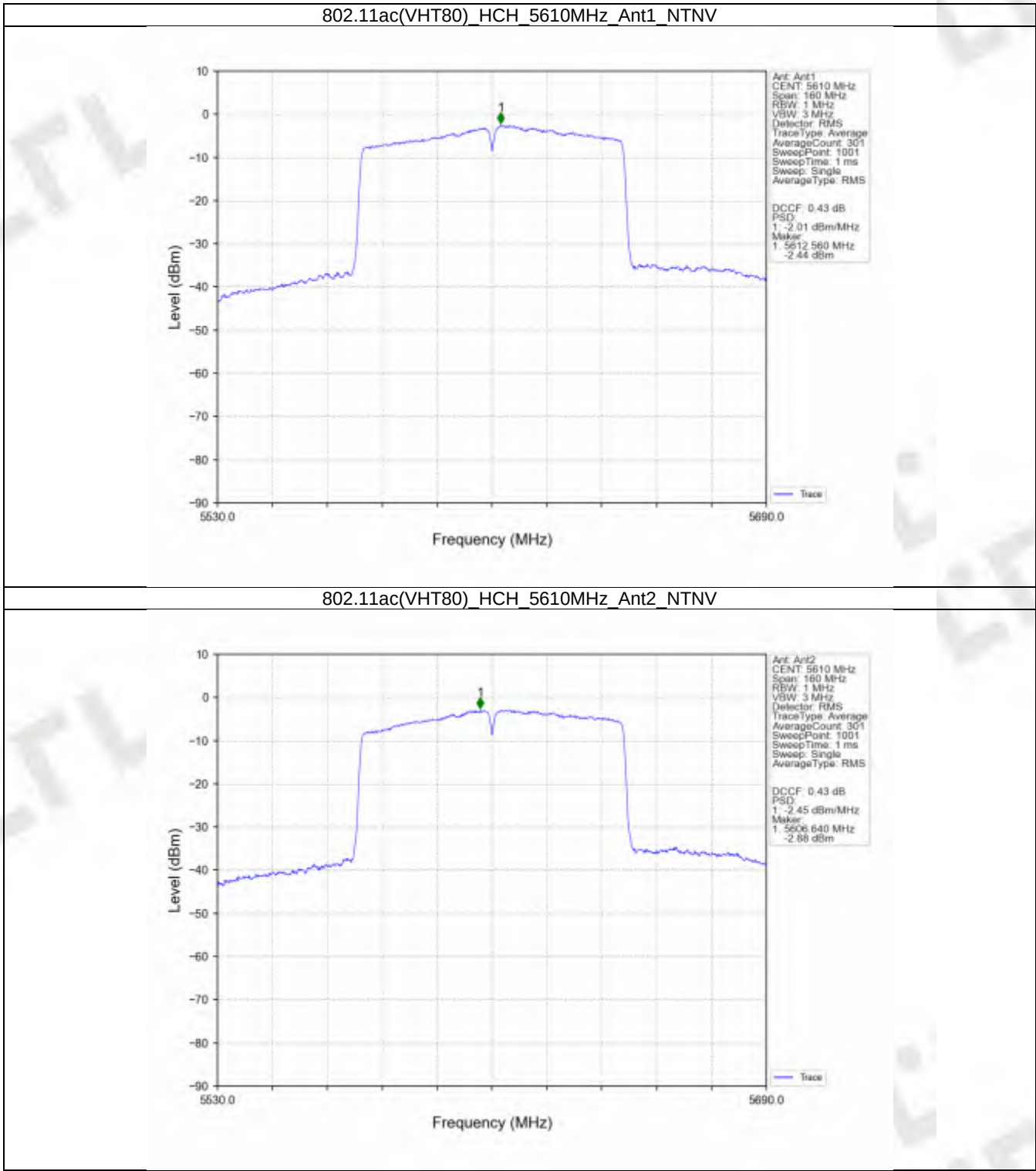
802.11ac(VHT40)_HCH_5670MHz_Ant2_NTNV



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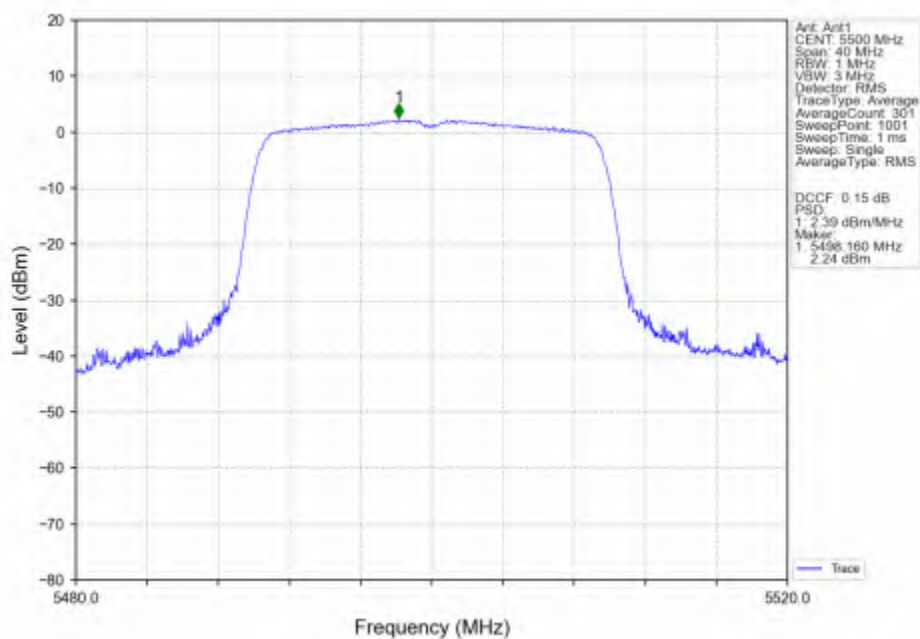


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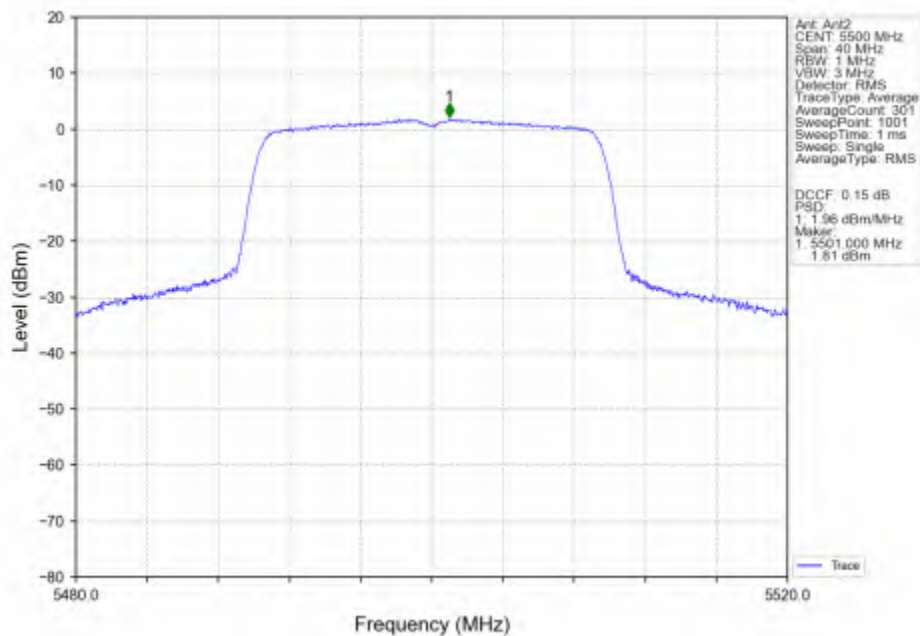


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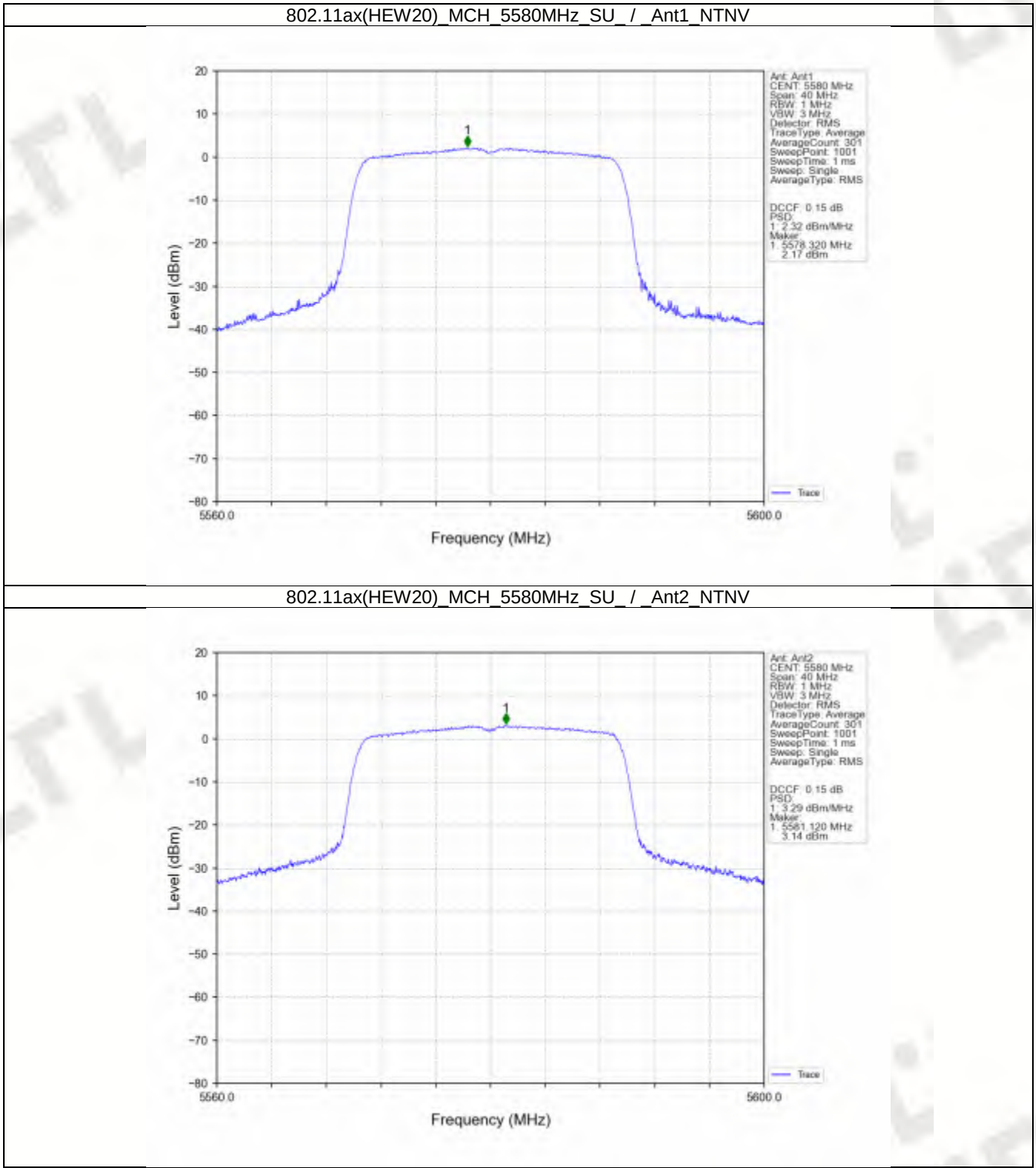
802.11ax(HEW20)_LCH_5500MHz_SU_/_Ant1_NTNV



802.11ax(HEW20)_LCH_5500MHz_SU_/_Ant2_NTNV

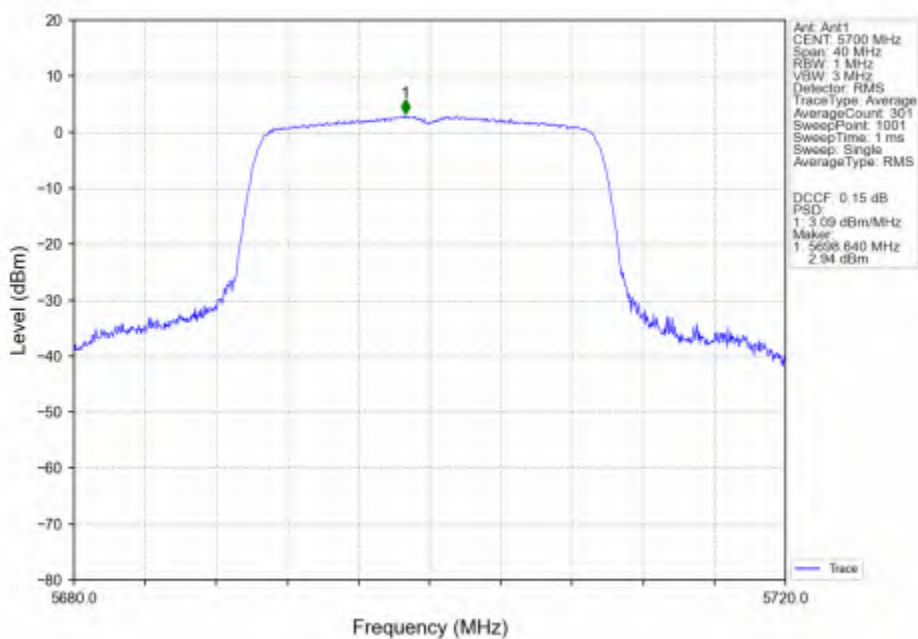


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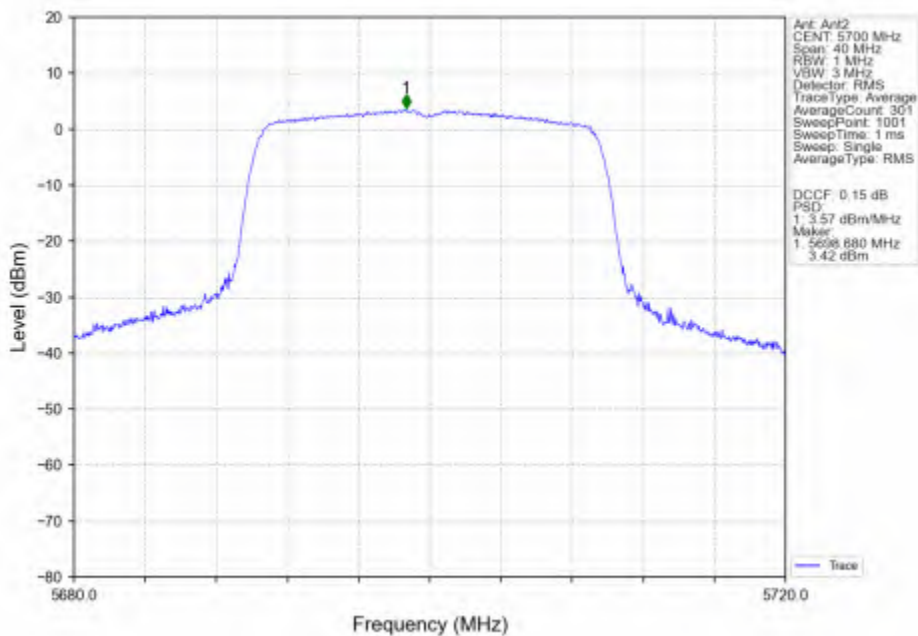


FCC ID: 2BLP-G7A1

802.11ax(HEW20)_HCH_5700MHz_SU_ / Ant1_NTNV

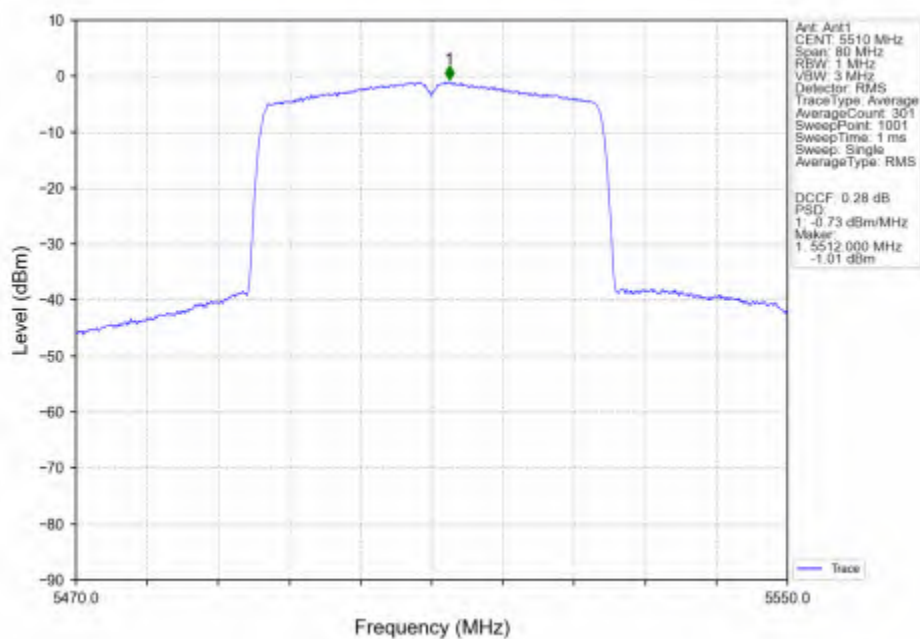


802.11ax(HEW20)_HCH_5700MHz_SU_ / Ant2_NTNV

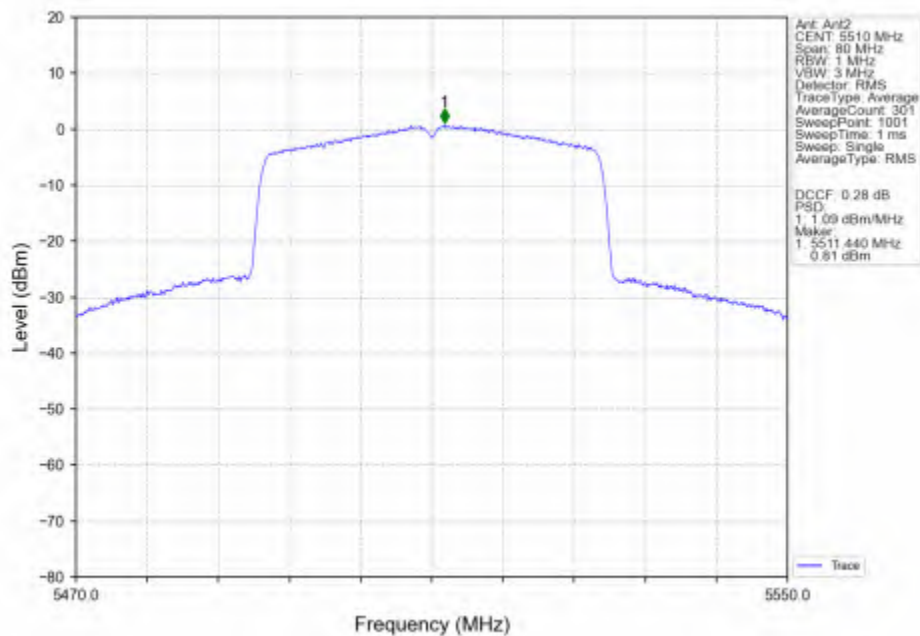


FCC ID: 2BLP-G7A1

802.11ax(HEW40)_LCH_5510MHz_SU_/_Ant1_NTNV

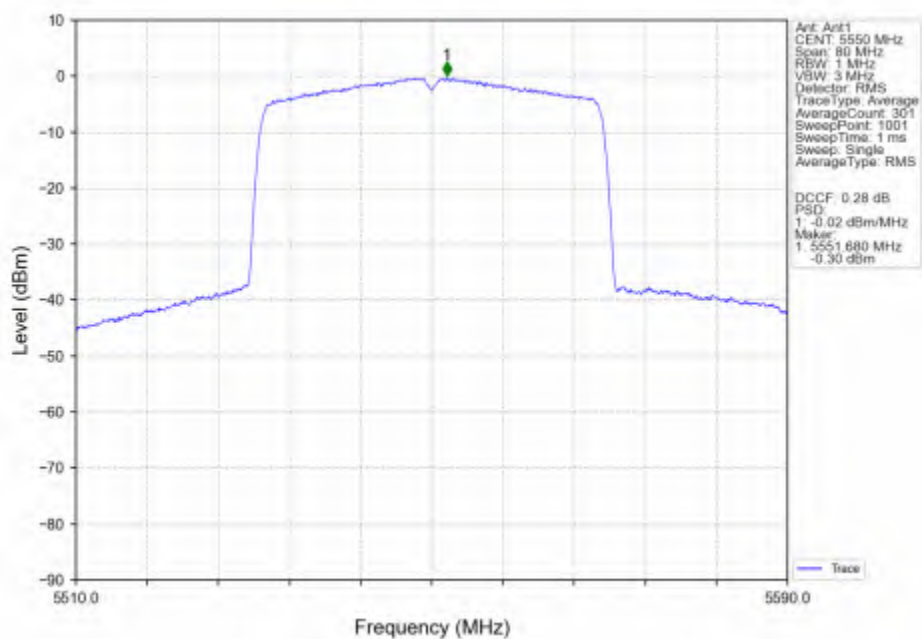


802.11ax(HEW40)_LCH_5510MHz_SU_/_Ant2_NTNV

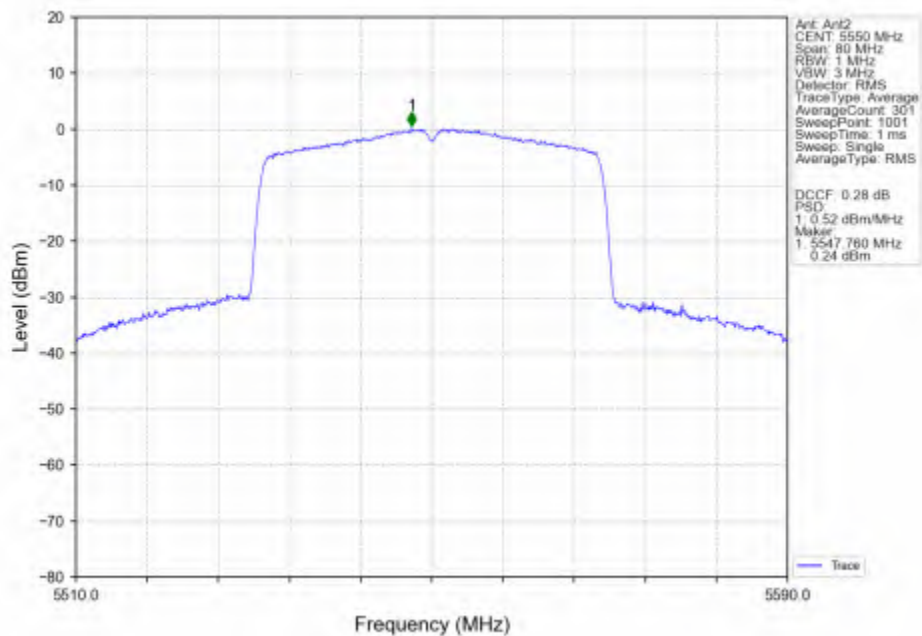


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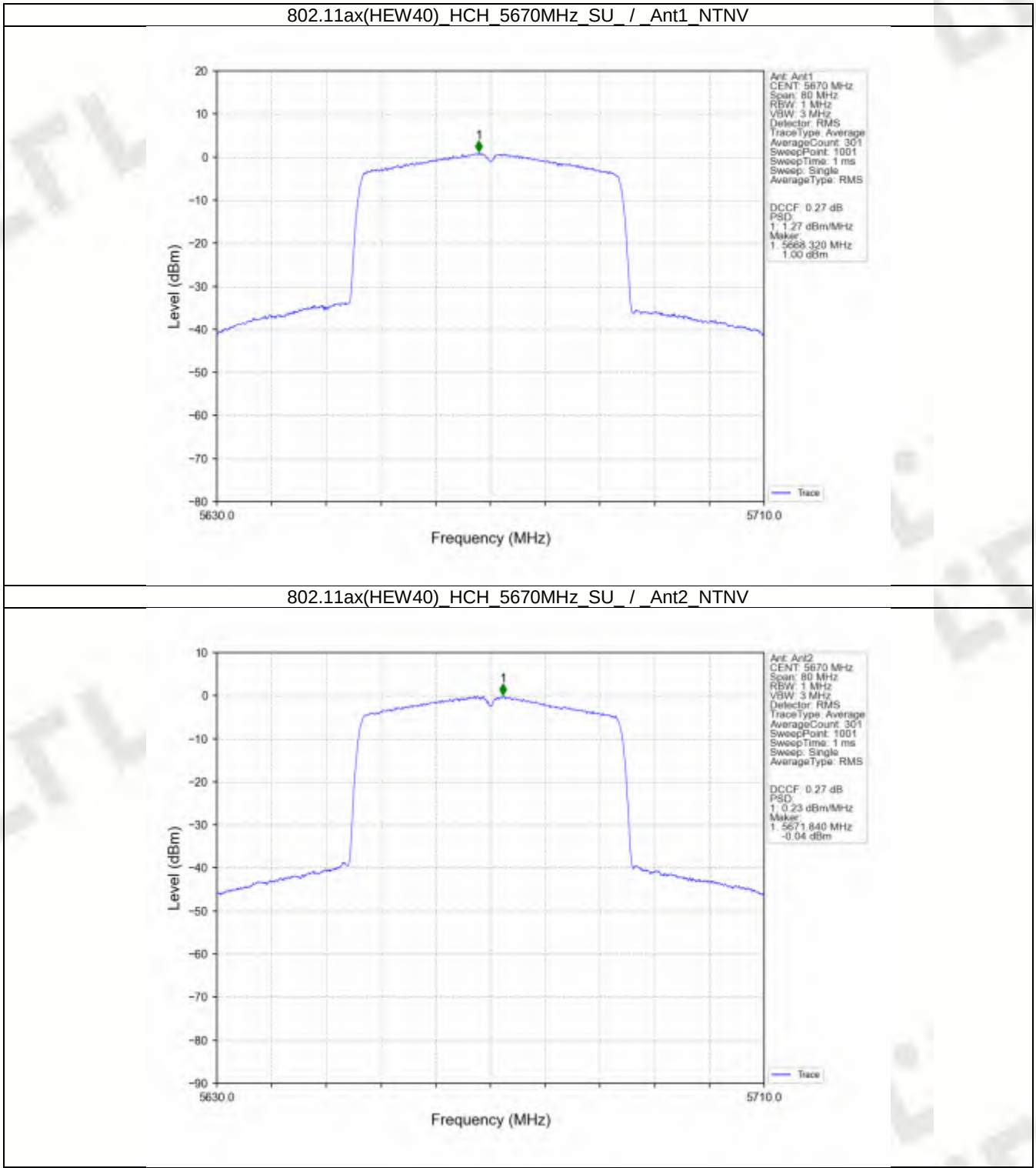
802.11ax(HEW40)_MCH_5550MHz_SU_ / Ant1_NTNV



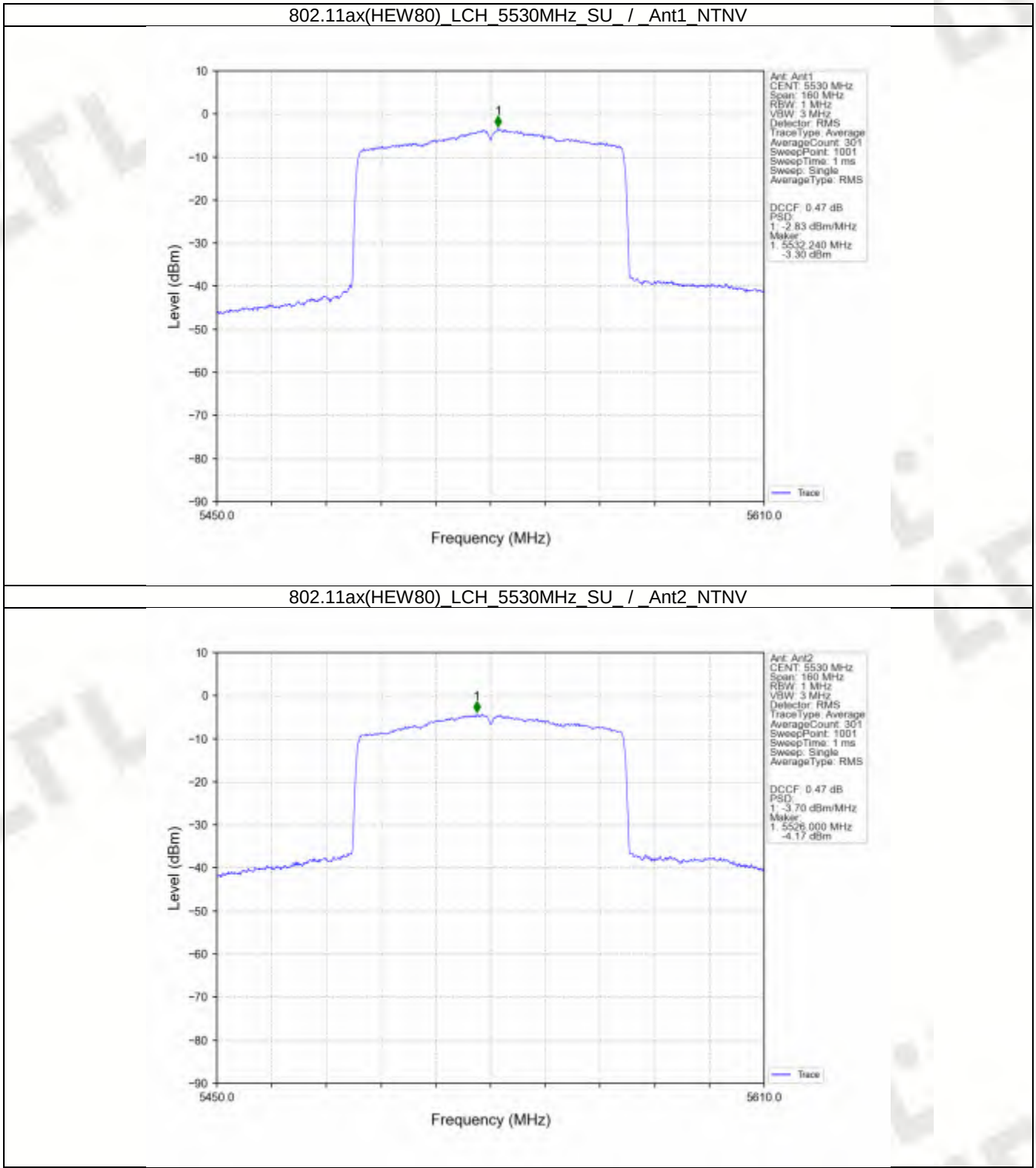
802.11ax(HEW40)_MCH_5550MHz_SU_ / Ant2_NTNV



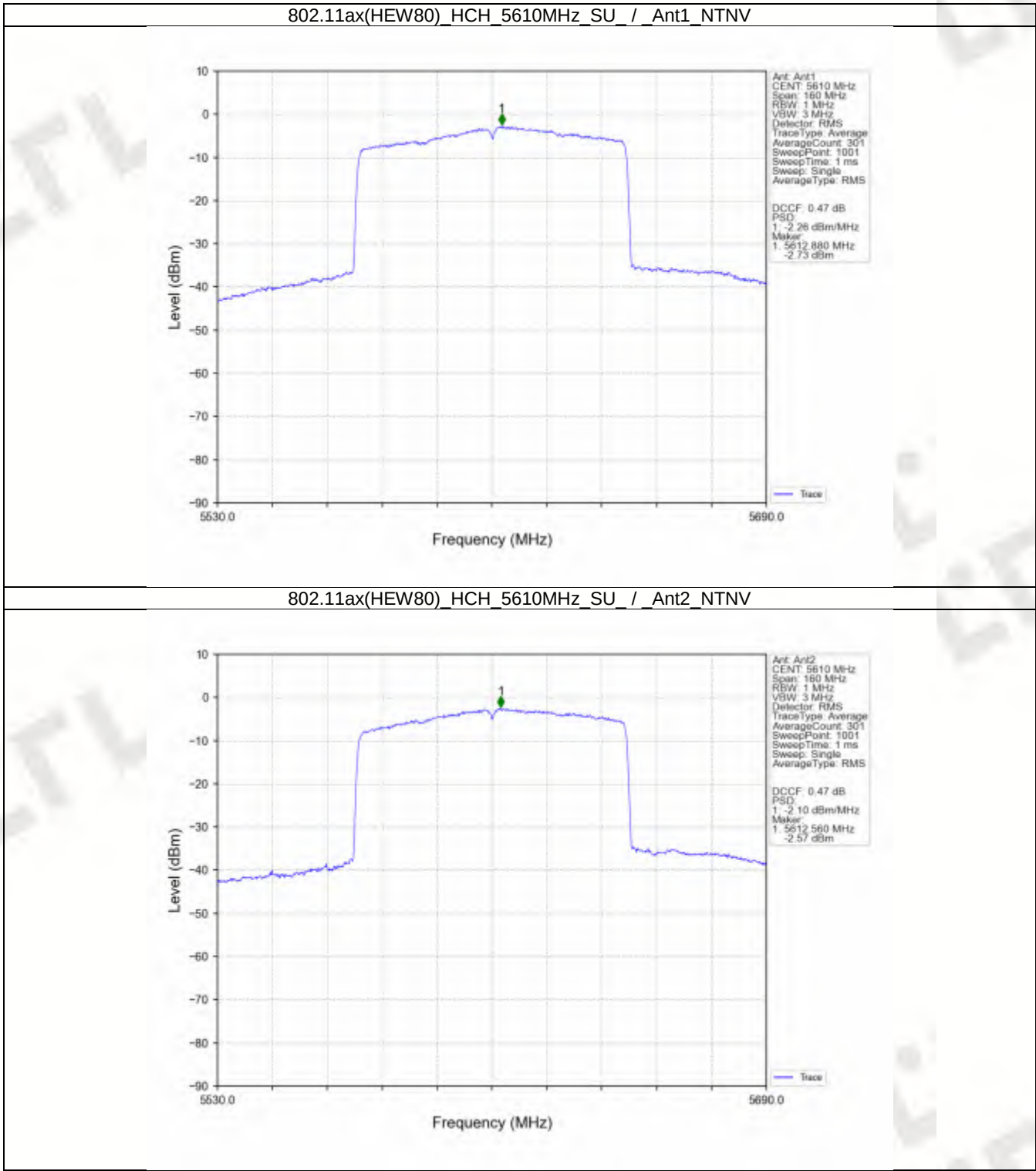
FCC ID: 2BLP-G7A1



FCC ID: 2BLP-G7A1



FCC ID: 2BLP-G7A1



FCC ID: 2BLP-G7A1

5. Frequency Stability

5.1 Test Result

5.1.1 Ant1

Ant1							
Mode	Tx Type	Frequency (MHz)	Temperature (°C)	Voltage (VAC)	Measured Frequency (MHz)	Limit (MHz)	Verdict
Carrier Wave	SISO	5500	20	102	5499.914	5470 to 5725	Pass
				120	5499.914	5470 to 5725	Pass
				138	5499.914	5470 to 5725	Pass
			-30	120	5499.914	5470 to 5725	Pass
			-20	120	5499.914	5470 to 5725	Pass
			-10	120	5499.914	5470 to 5725	Pass
			0	120	5499.914	5470 to 5725	Pass
			10	120	5499.914	5470 to 5725	Pass
			30	120	5499.914	5470 to 5725	Pass
			40	120	5499.914	5470 to 5725	Pass
			50	120	5499.913	5470 to 5725	Pass
		5580	20	102	5579.913	5470 to 5725	Pass
				120	5579.913	5470 to 5725	Pass
				138	5579.912	5470 to 5725	Pass
			-30	120	5579.912	5470 to 5725	Pass
			-20	120	5579.913	5470 to 5725	Pass
			-10	120	5579.912	5470 to 5725	Pass
			0	120	5579.913	5470 to 5725	Pass
			10	120	5579.913	5470 to 5725	Pass
			30	120	5579.913	5470 to 5725	Pass
			40	120	5579.913	5470 to 5725	Pass
			50	120	5579.912	5470 to 5725	Pass
		5700	20	102	5699.912	5470 to 5725	Pass
				120	5699.912	5470 to 5725	Pass
				138	5699.912	5470 to 5725	Pass
			-30	120	5699.912	5470 to 5725	Pass
			-20	120	5699.912	5470 to 5725	Pass
			-10	120	5699.912	5470 to 5725	Pass
			0	120	5699.912	5470 to 5725	Pass
			10	120	5699.911	5470 to 5725	Pass
			30	120	5699.911	5470 to 5725	Pass
			40	120	5699.911	5470 to 5725	Pass
			50	120	5699.912	5470 to 5725	Pass
		5510	20	102	5509.915	5470 to 5725	Pass
				120	5509.914	5470 to 5725	Pass
				138	5509.914	5470 to 5725	Pass
			-30	120	5509.914	5470 to 5725	Pass
			-20	120	5509.914	5470 to 5725	Pass
			-10	120	5509.914	5470 to 5725	Pass
			0	120	5509.914	5470 to 5725	Pass
			10	120	5509.914	5470 to 5725	Pass
			30	120	5509.914	5470 to 5725	Pass
			40	120	5509.914	5470 to 5725	Pass
			50	120	5509.914	5470 to 5725	Pass

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		5550	20	102	5549.914	5470 to 5725	Pass
				120	5549.913	5470 to 5725	Pass
				138	5549.913	5470 to 5725	Pass
			-30	120	5549.913	5470 to 5725	Pass
			-20	120	5549.913	5470 to 5725	Pass
			-10	120	5549.913	5470 to 5725	Pass
			0	120	5549.913	5470 to 5725	Pass
			10	120	5549.913	5470 to 5725	Pass
			30	120	5549.913	5470 to 5725	Pass
			40	120	5549.913	5470 to 5725	Pass
			50	120	5549.913	5470 to 5725	Pass
		5670	20	102	5669.912	5470 to 5725	Pass
				120	5669.912	5470 to 5725	Pass
				138	5669.912	5470 to 5725	Pass
			-30	120	5669.912	5470 to 5725	Pass
			-20	120	5669.912	5470 to 5725	Pass
			-10	120	5669.912	5470 to 5725	Pass
			0	120	5669.912	5470 to 5725	Pass
			10	120	5669.912	5470 to 5725	Pass
			30	120	5669.911	5470 to 5725	Pass
			40	120	5669.912	5470 to 5725	Pass
			50	120	5669.911	5470 to 5725	Pass
		5530	20	102	5529.913	5470 to 5725	Pass
				120	5529.913	5470 to 5725	Pass
				138	5529.913	5470 to 5725	Pass
			-30	120	5529.913	5470 to 5725	Pass
			-20	120	5529.913	5470 to 5725	Pass
			-10	120	5529.913	5470 to 5725	Pass
			0	120	5529.913	5470 to 5725	Pass
			10	120	5529.913	5470 to 5725	Pass
			30	120	5529.913	5470 to 5725	Pass
			40	120	5529.913	5470 to 5725	Pass
			50	120	5529.913	5470 to 5725	Pass
		5610	20	102	5609.912	5470 to 5725	Pass
				120	5609.912	5470 to 5725	Pass
				138	5609.912	5470 to 5725	Pass
			-30	120	5609.912	5470 to 5725	Pass
			-20	120	5609.912	5470 to 5725	Pass
			-10	120	5609.912	5470 to 5725	Pass
			0	120	5609.912	5470 to 5725	Pass
			10	120	5609.912	5470 to 5725	Pass
			30	120	5609.912	5470 to 5725	Pass
			40	120	5609.912	5470 to 5725	Pass
			50	120	5609.912	5470 to 5725	Pass