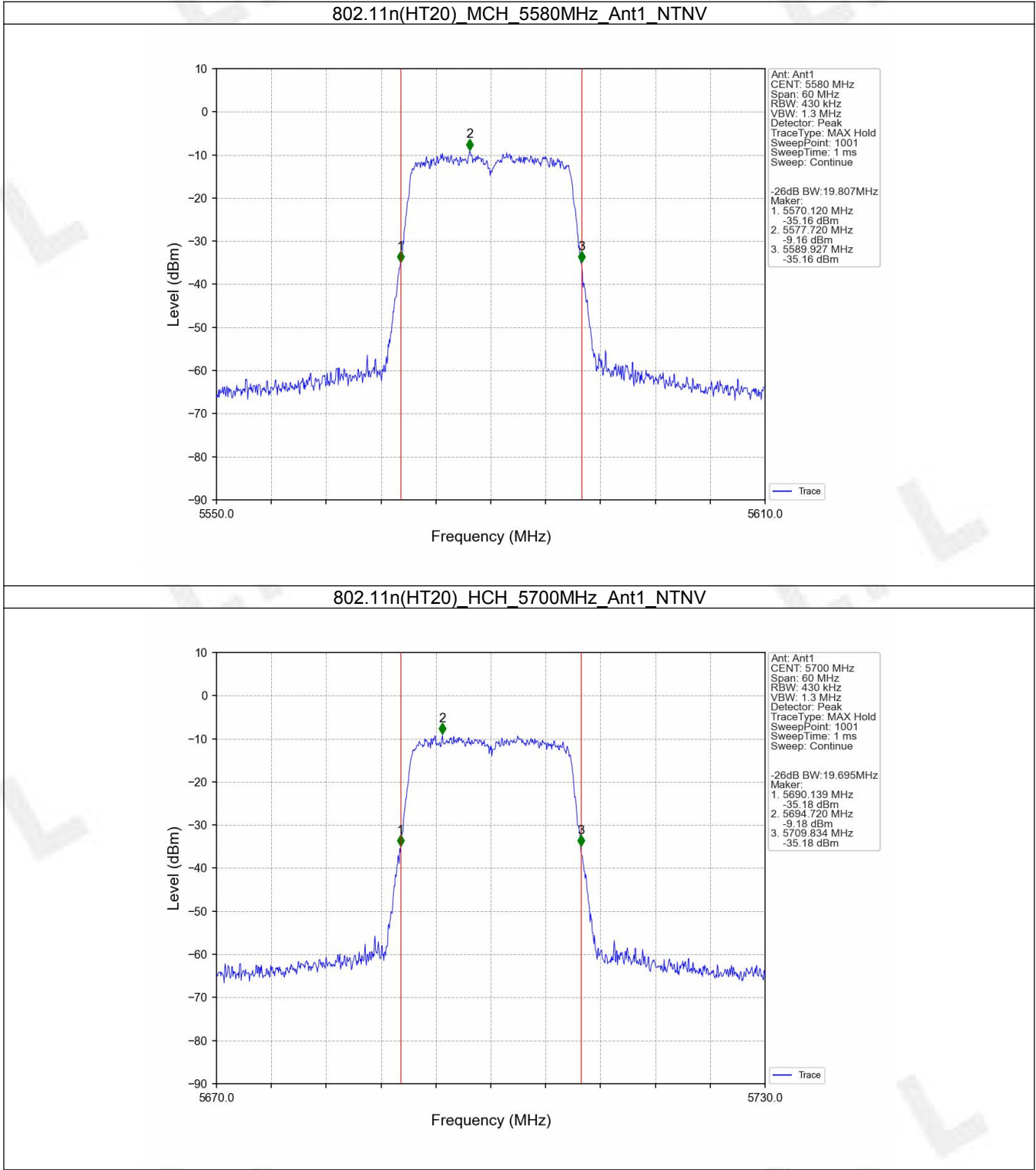
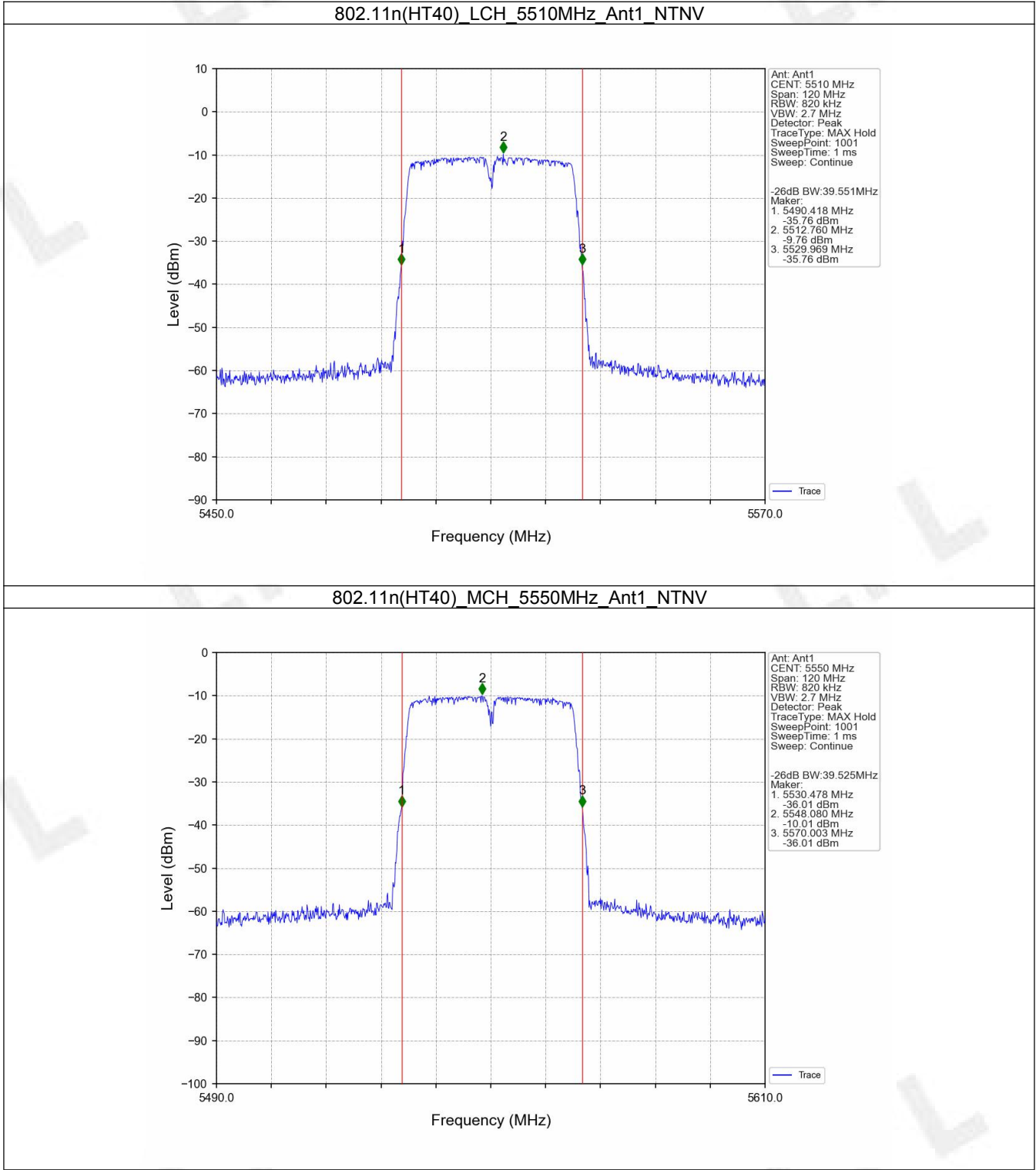


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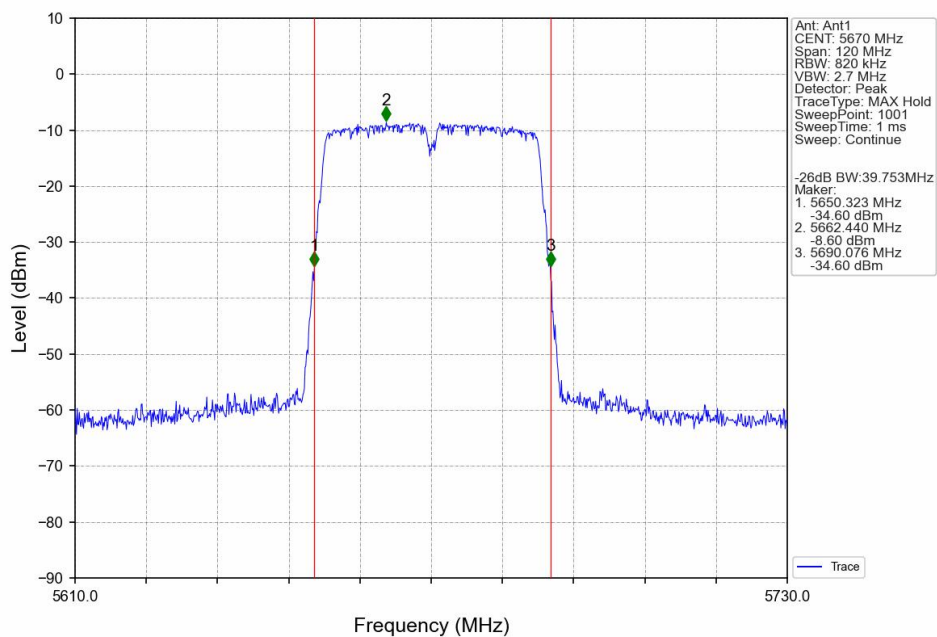


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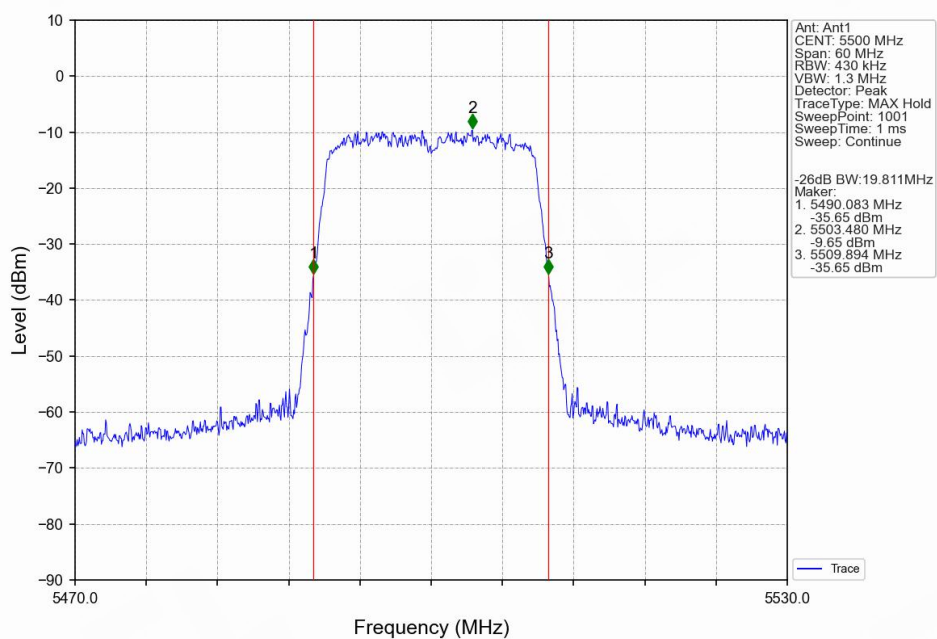


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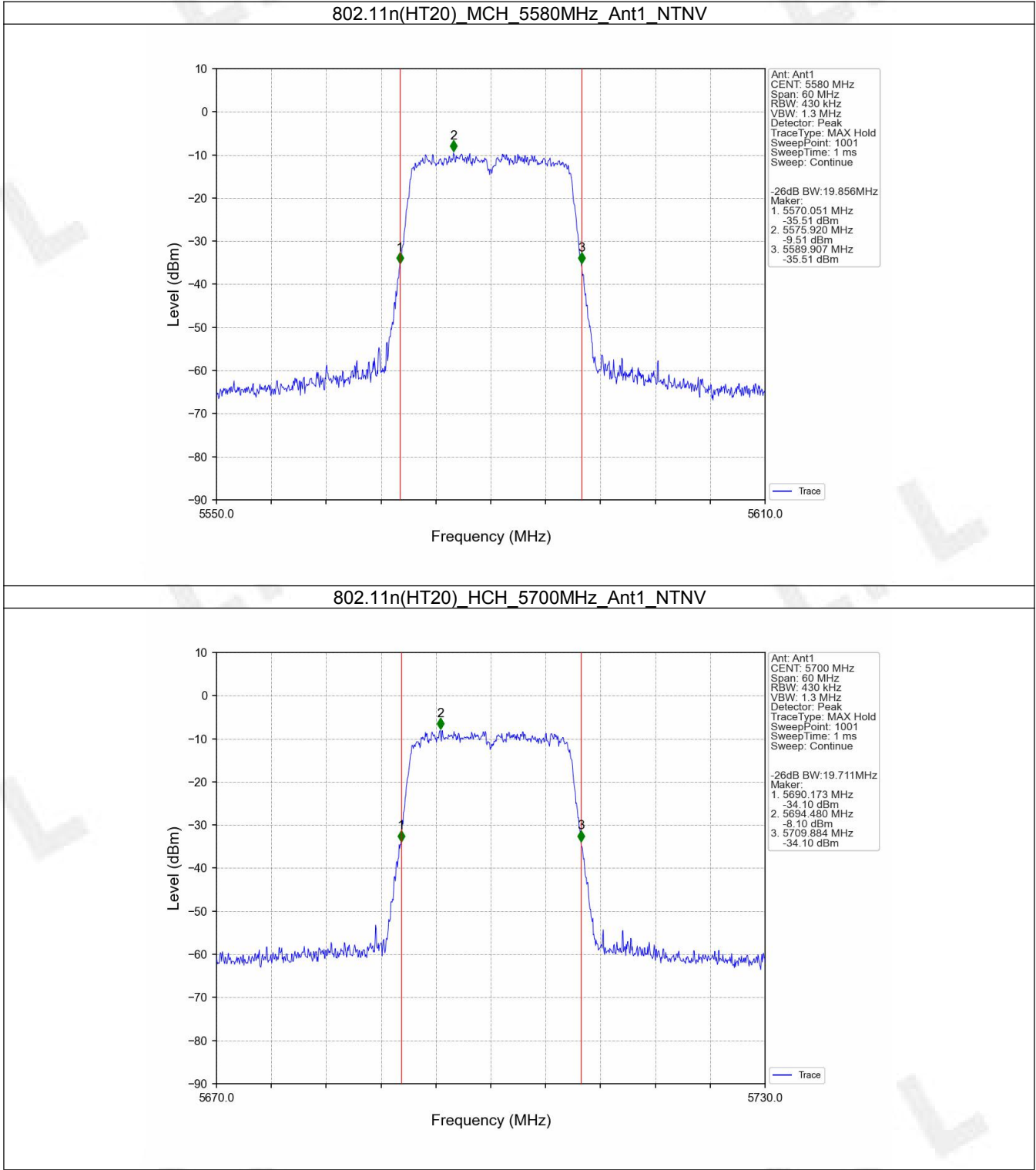
802.11n(HT40) HCH 5670MHz Ant1_NTNV



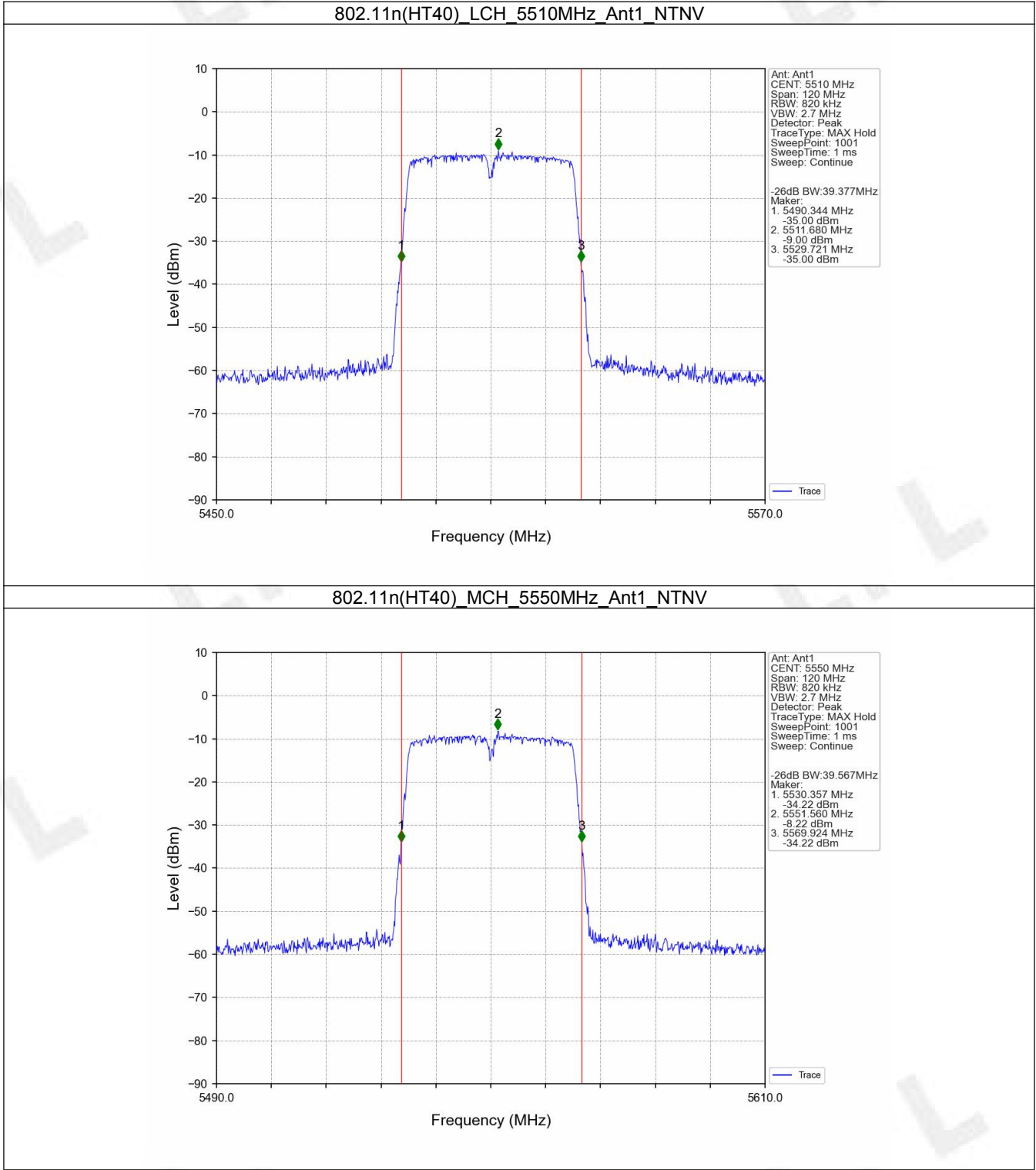
802.11n(HT20) LCH 5500MHz Ant1_NTNV



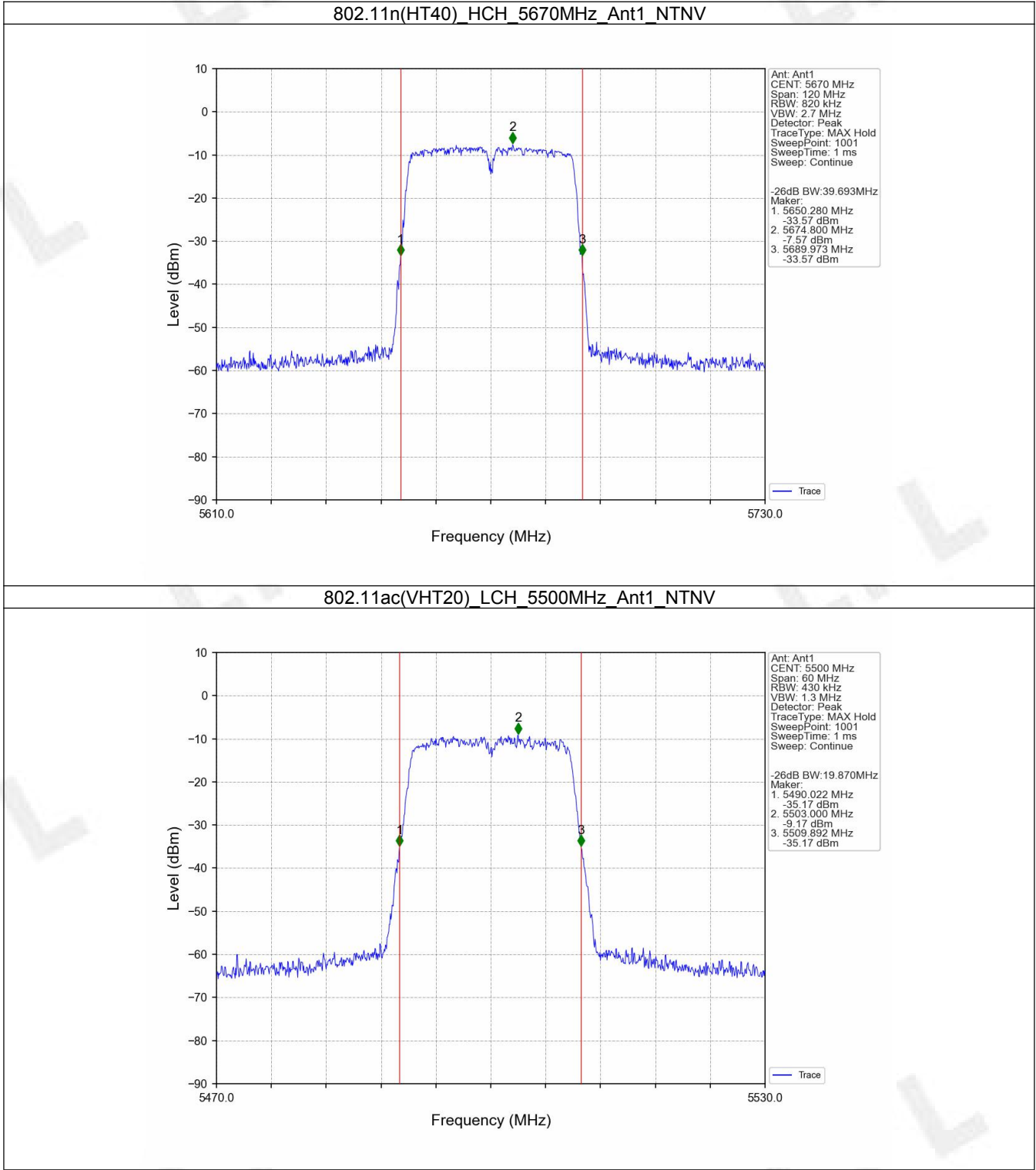
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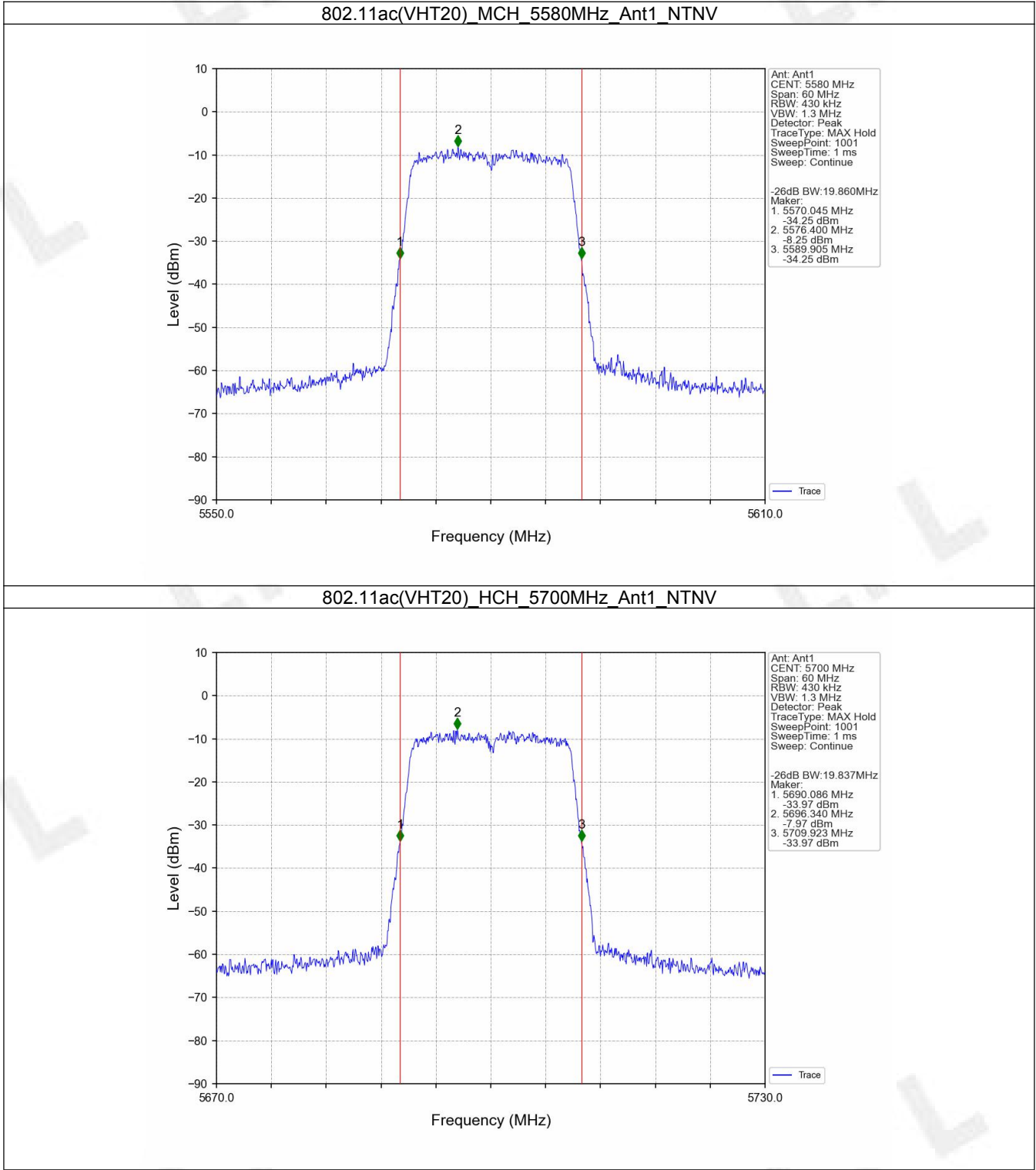
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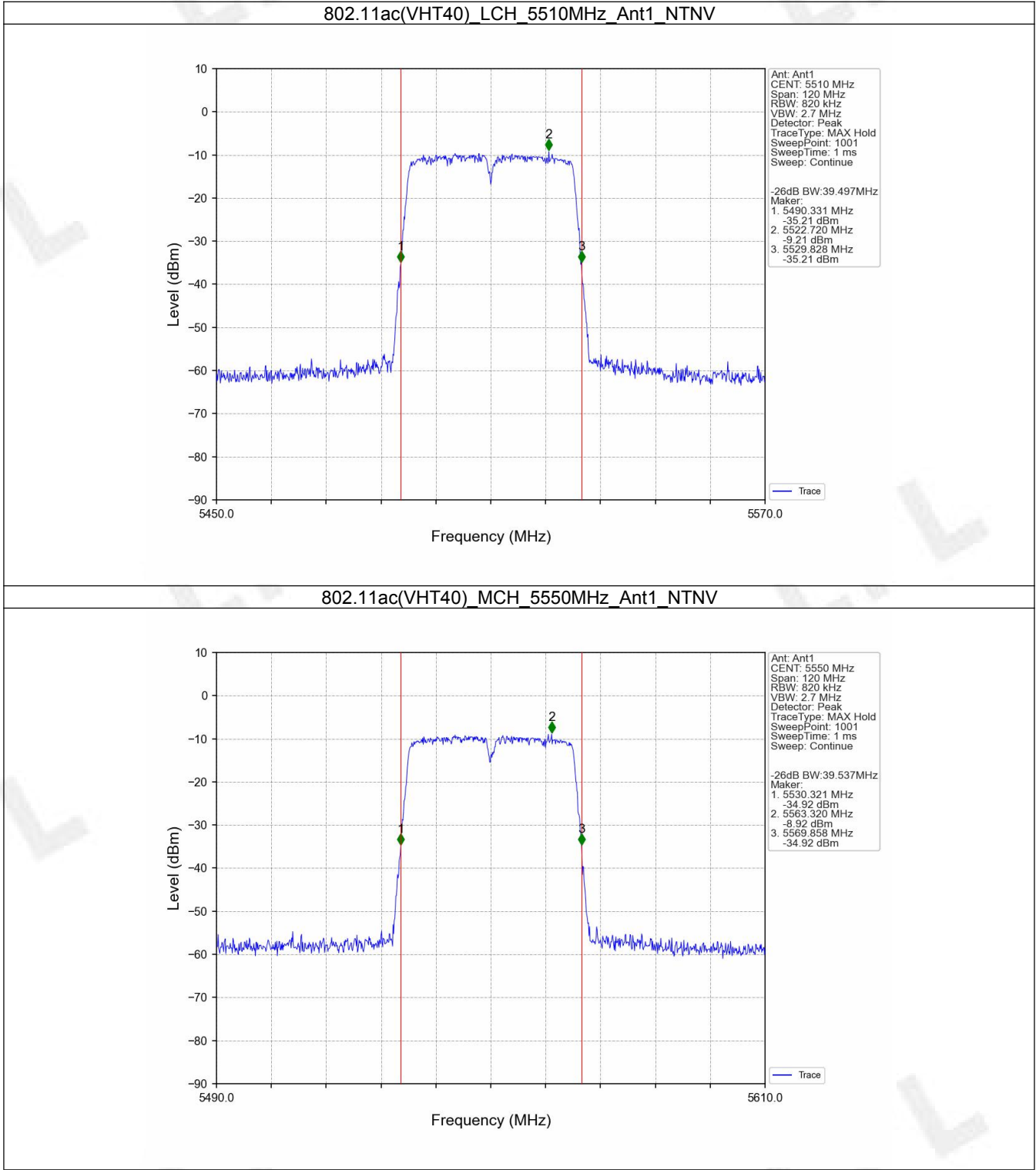
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FCC ID: 2BUT3-SILICONE

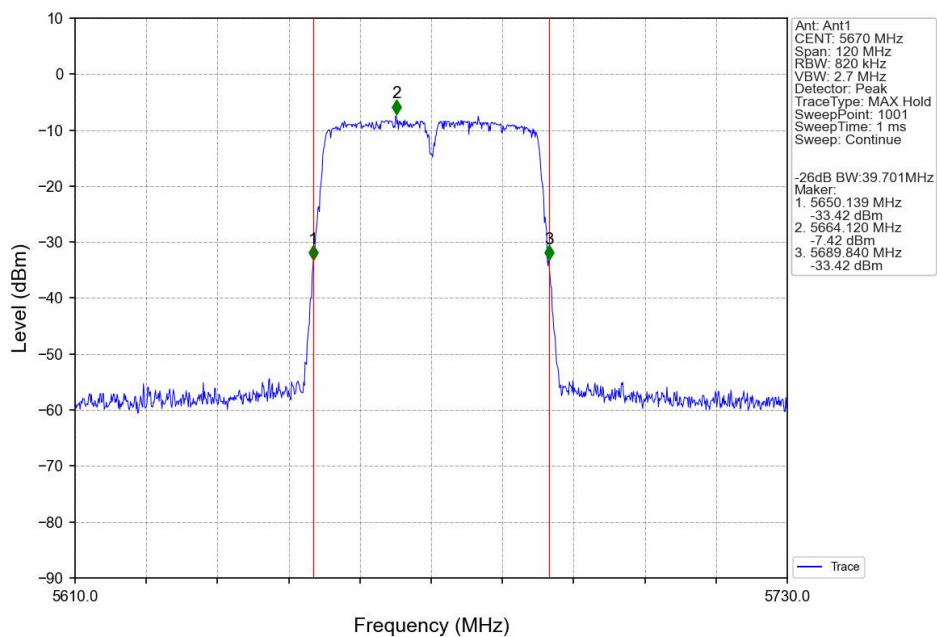


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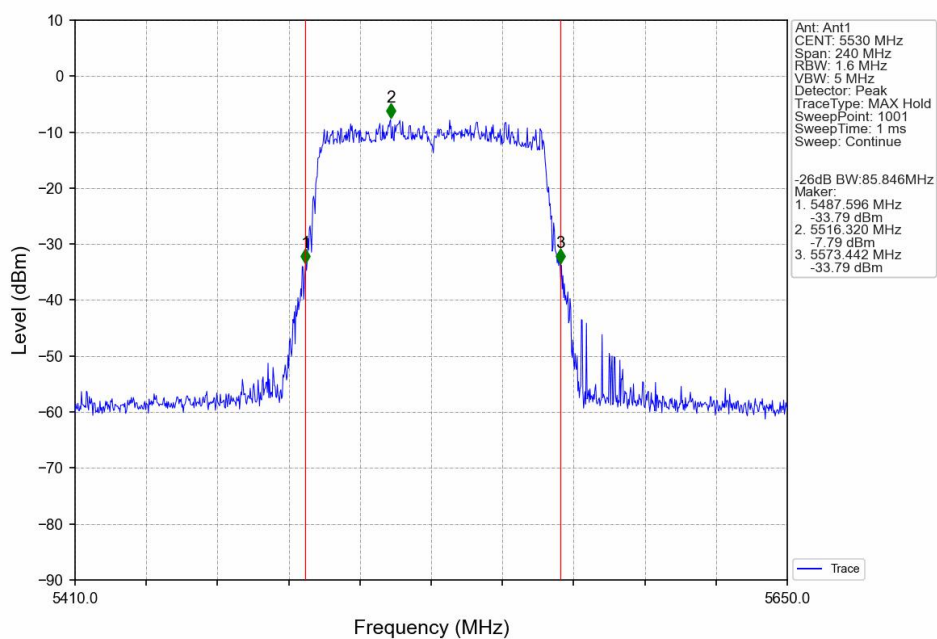


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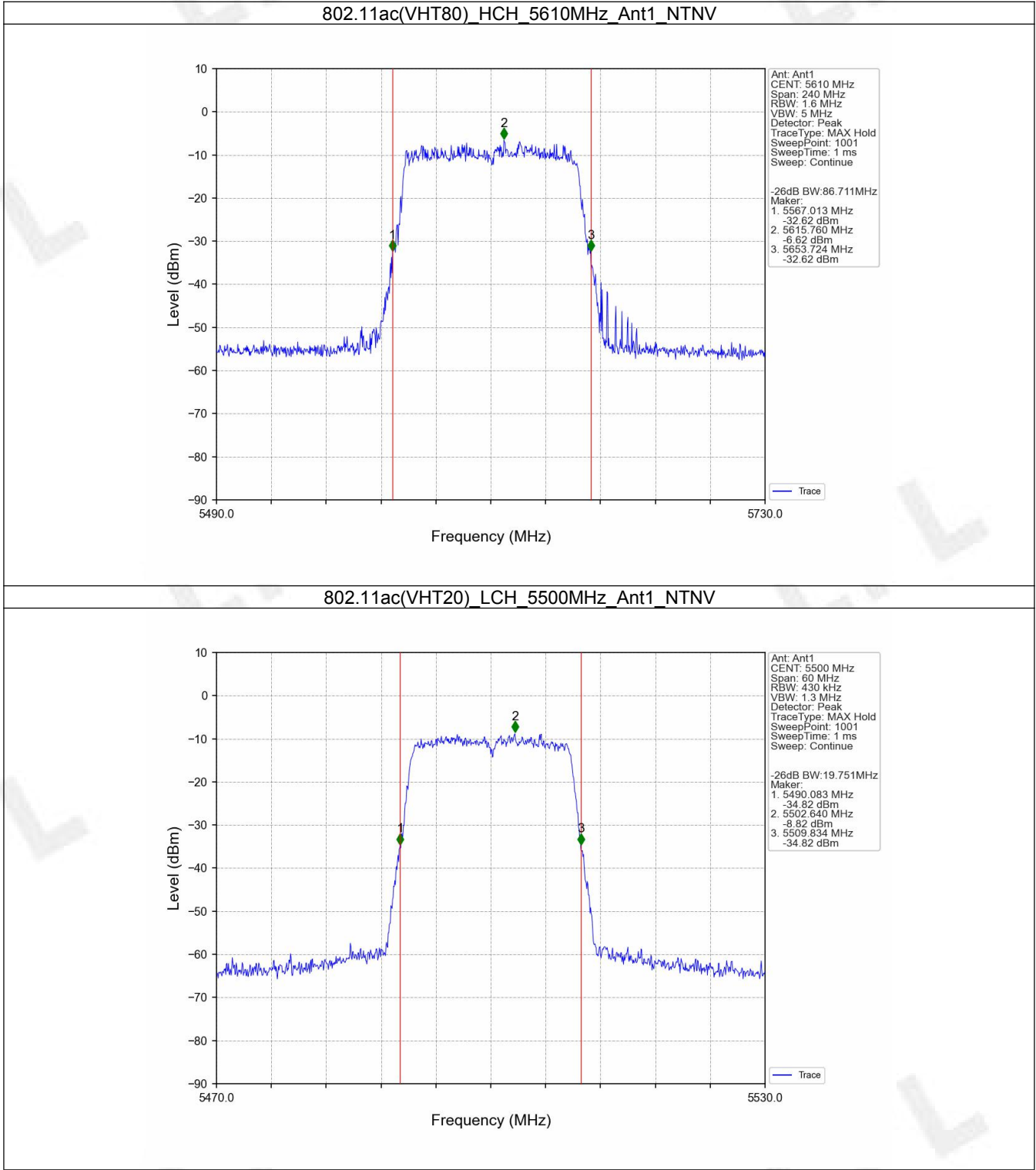
802.11ac(VHT40) HCH_5670MHz_Ant1_NTNV



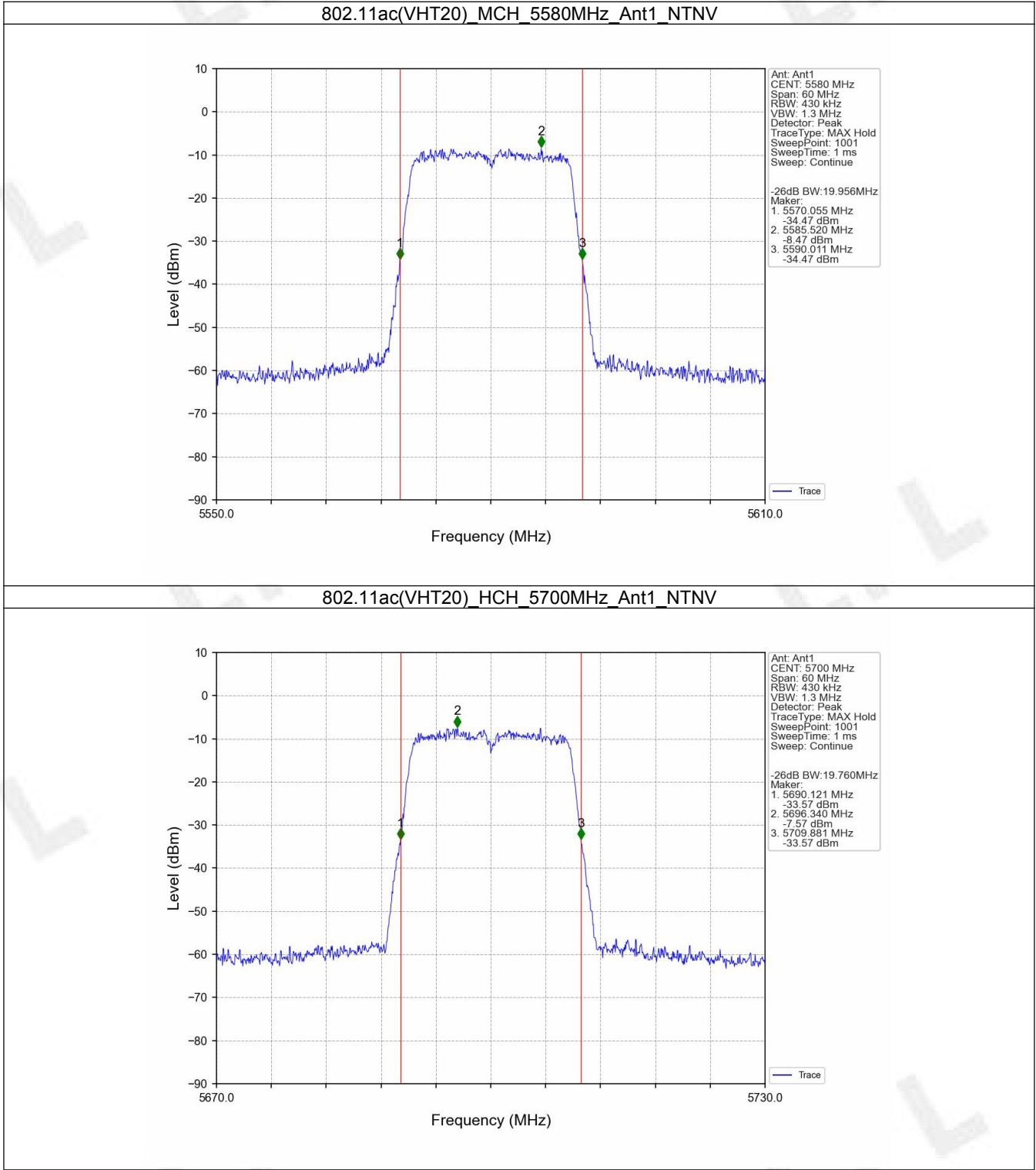
802.11ac(VHT80) LCH_5530MHz_Ant1_NTNV



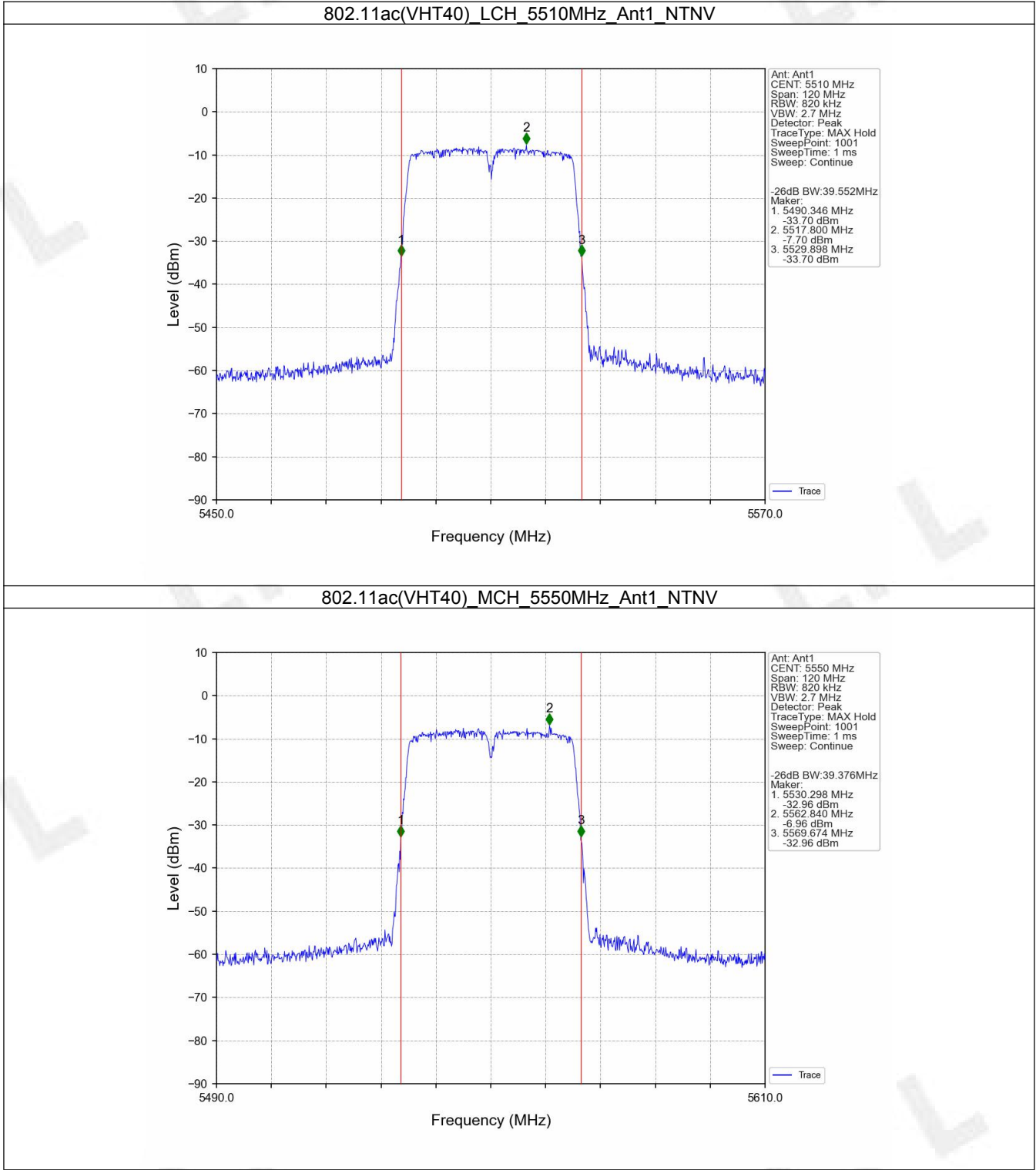
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FCC ID: 2BUT3-SILICONE

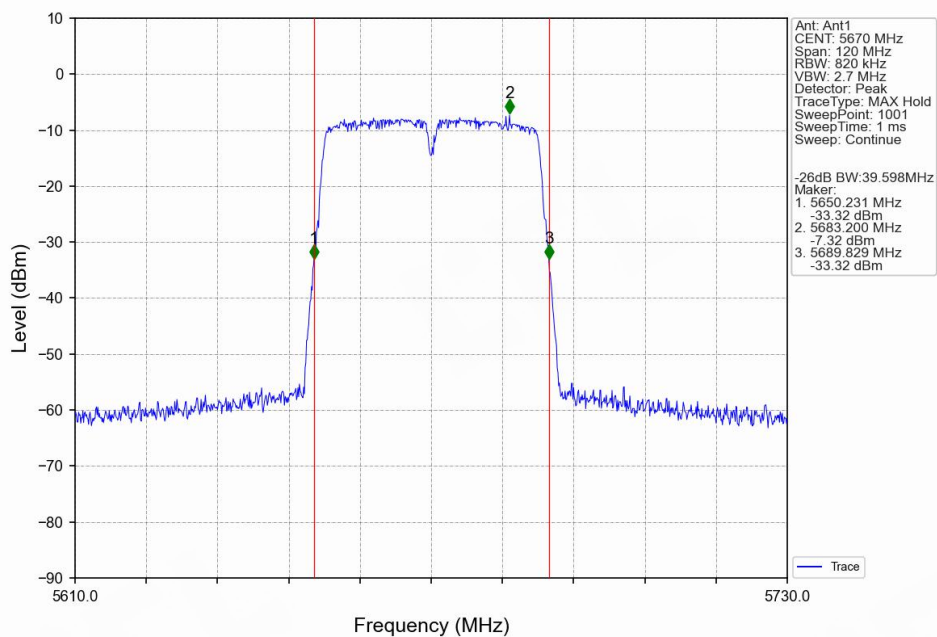


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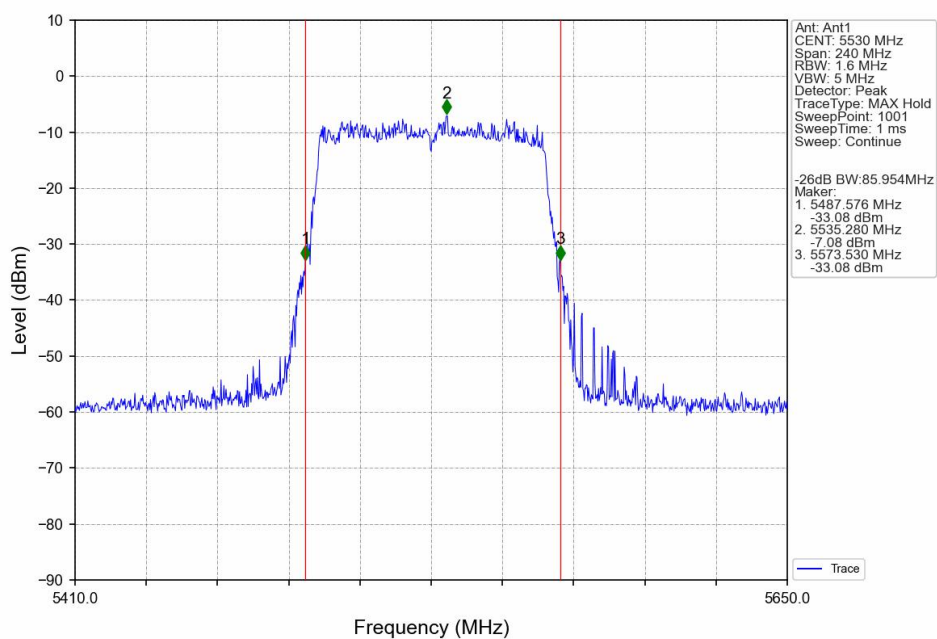


FCC ID: 2BUT3-SILICONE

802.11ac(VHT40) HCH_5670MHz_Ant1_NTNV

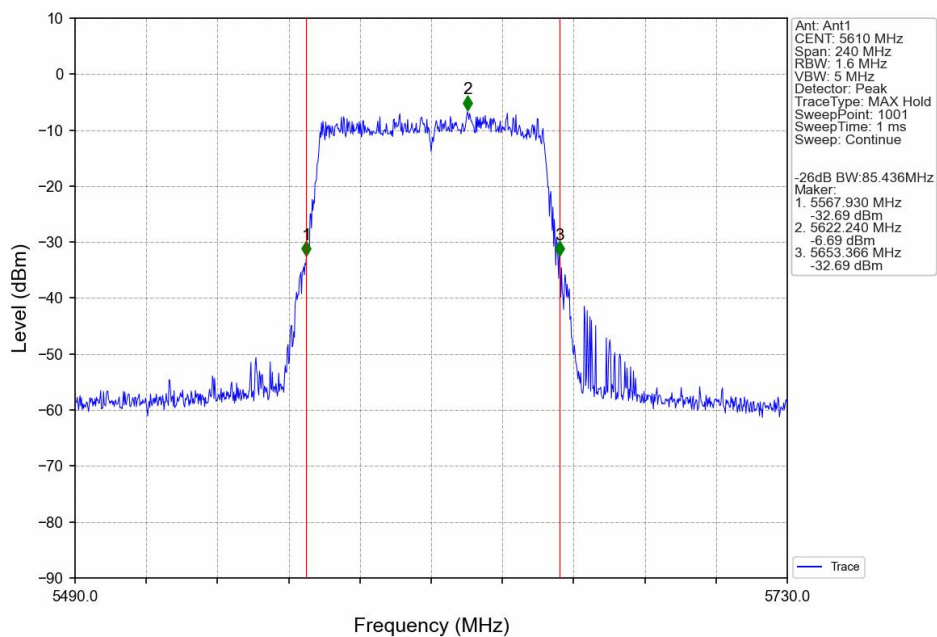


802.11ac(VHT80) LCH_5530MHz_Ant1_NTNV

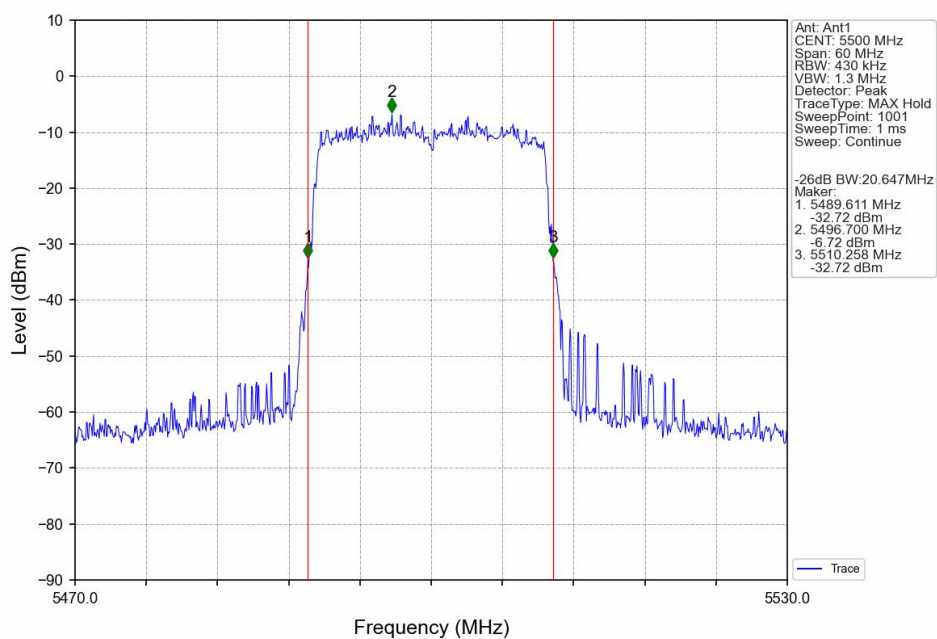


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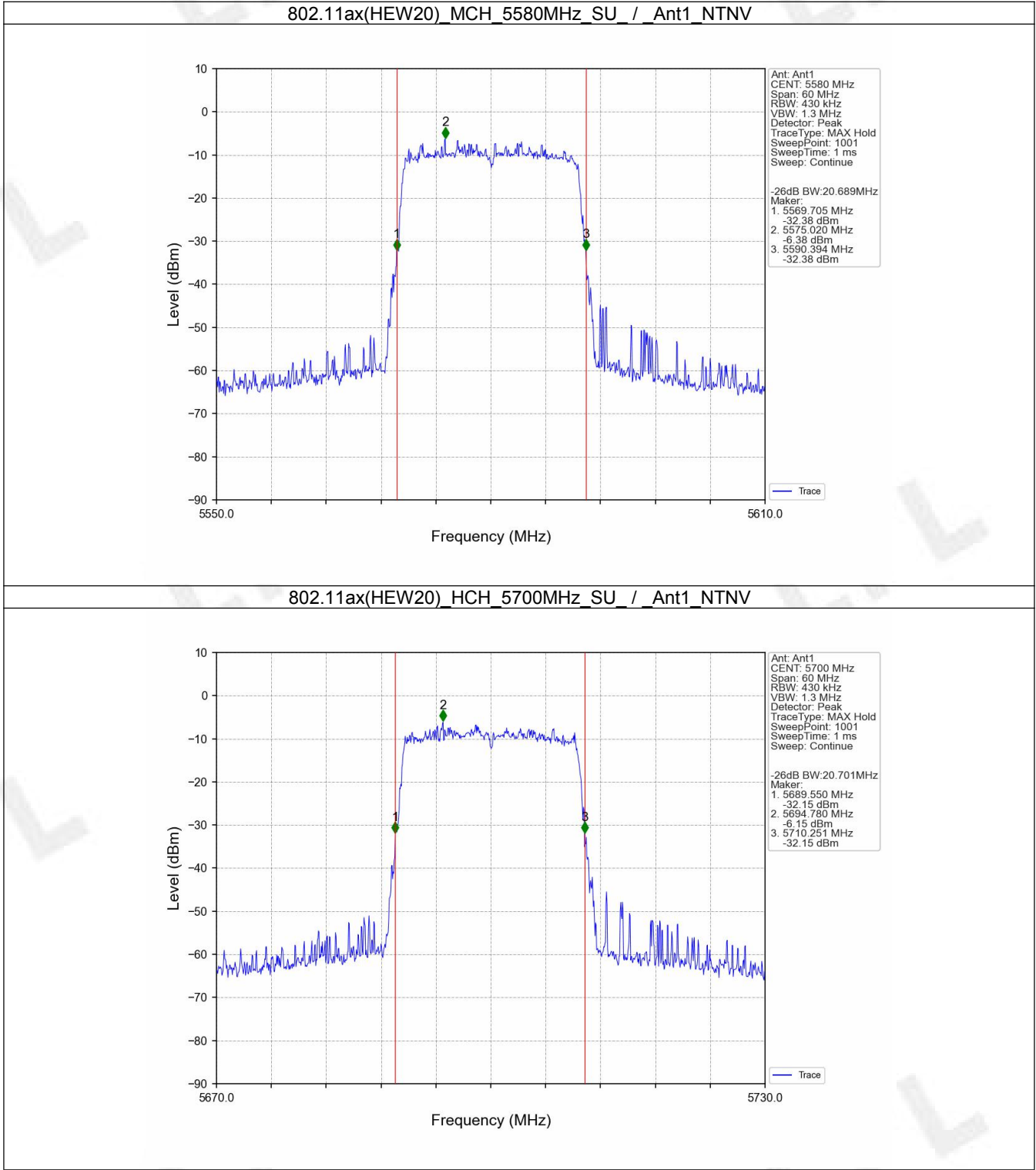
802.11ac(VHT80) HCH_5610MHz_Ant1_NTNV



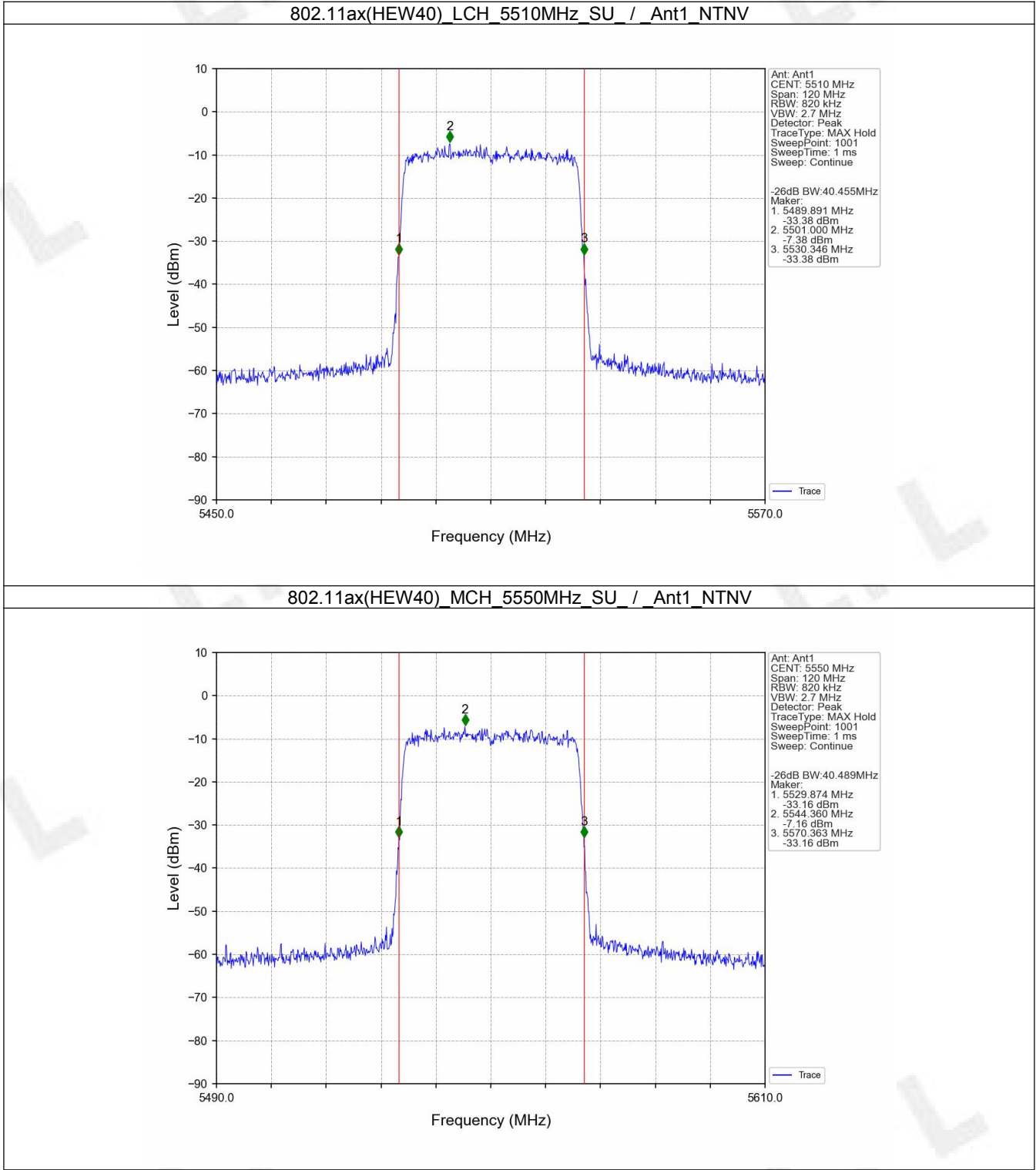
802.11ax(HEW20) LCH_5500MHz_SU_ / Ant1_NTNV



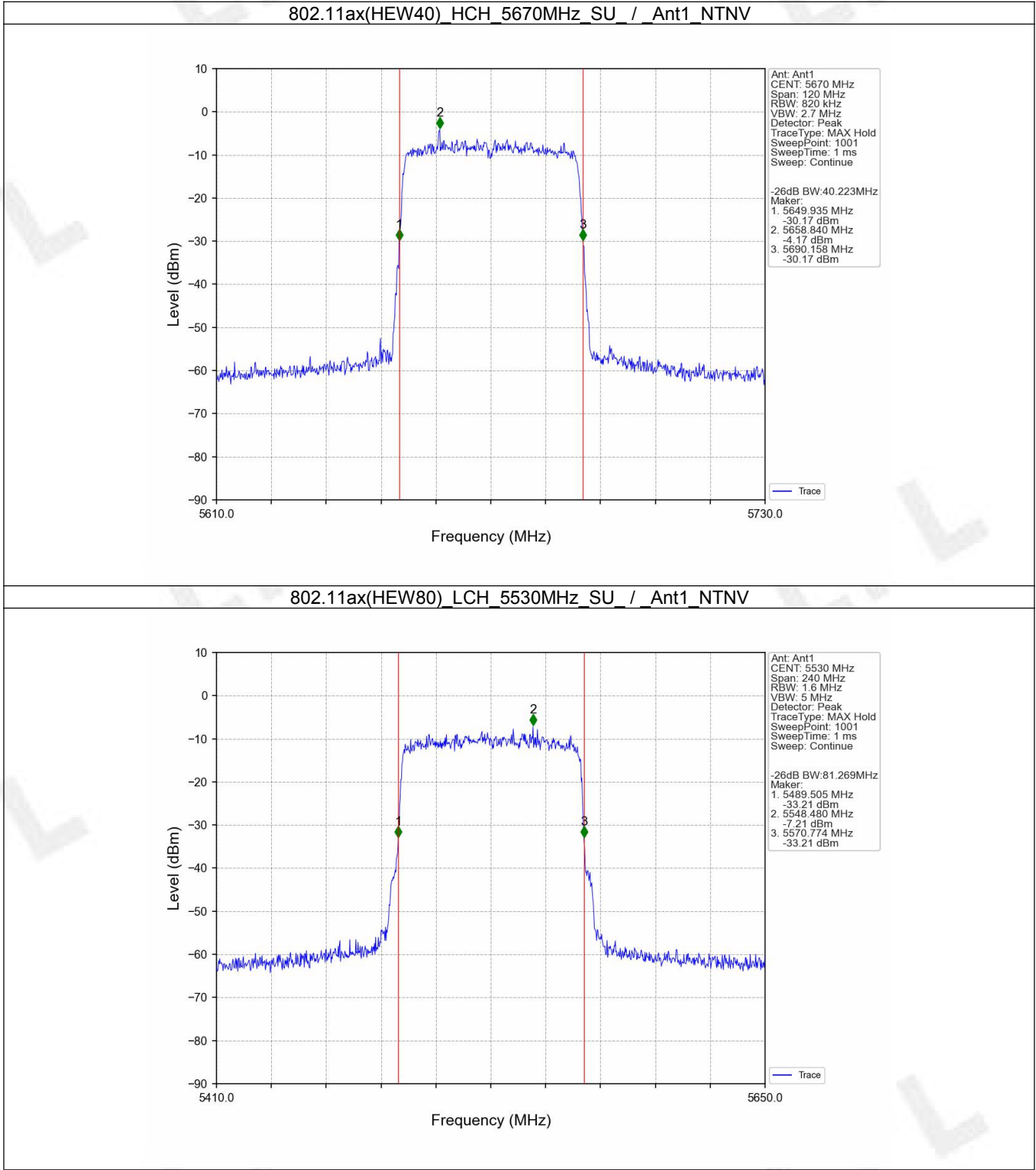
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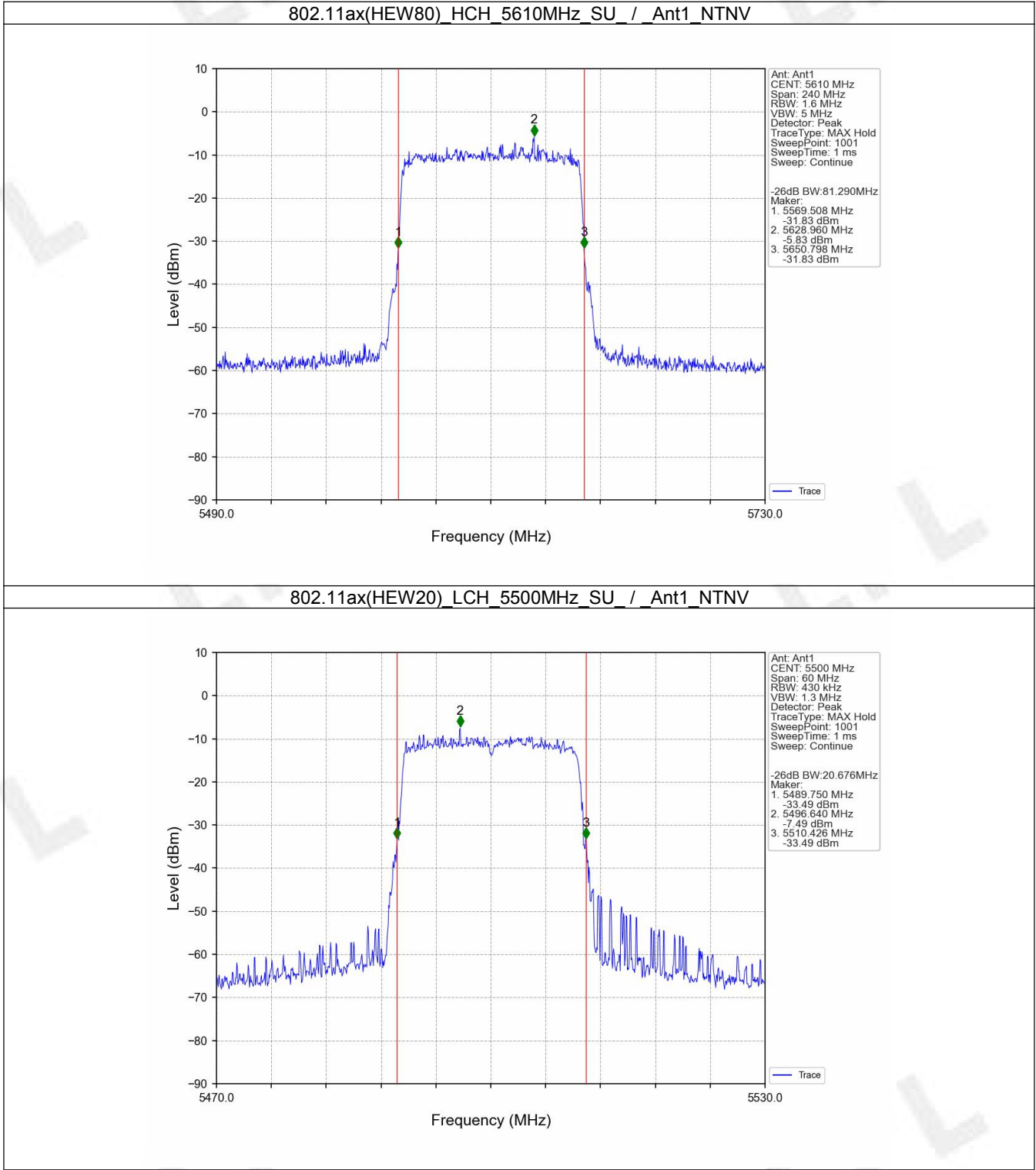
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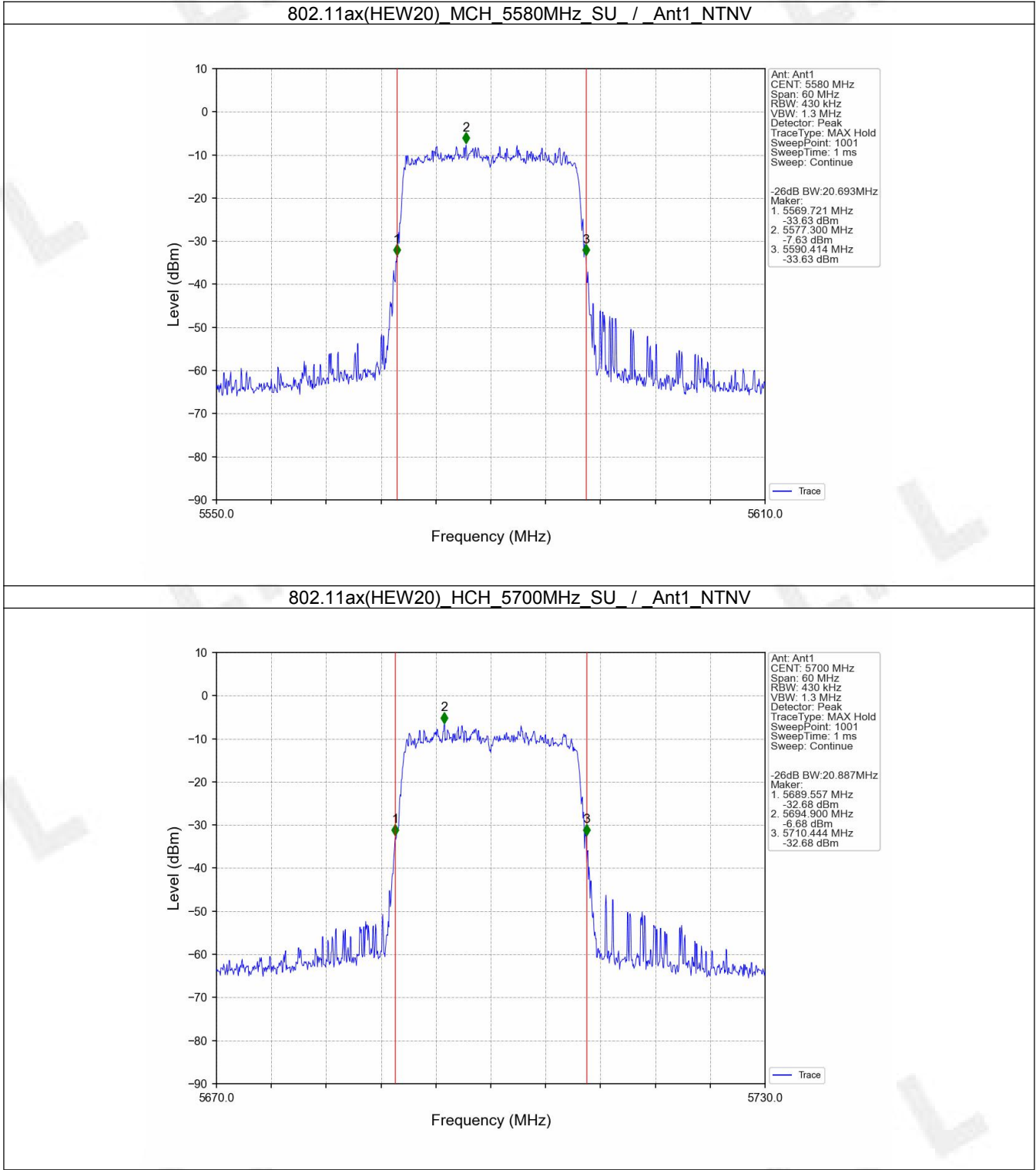
FCC ID: 2BUT3-SILICONE



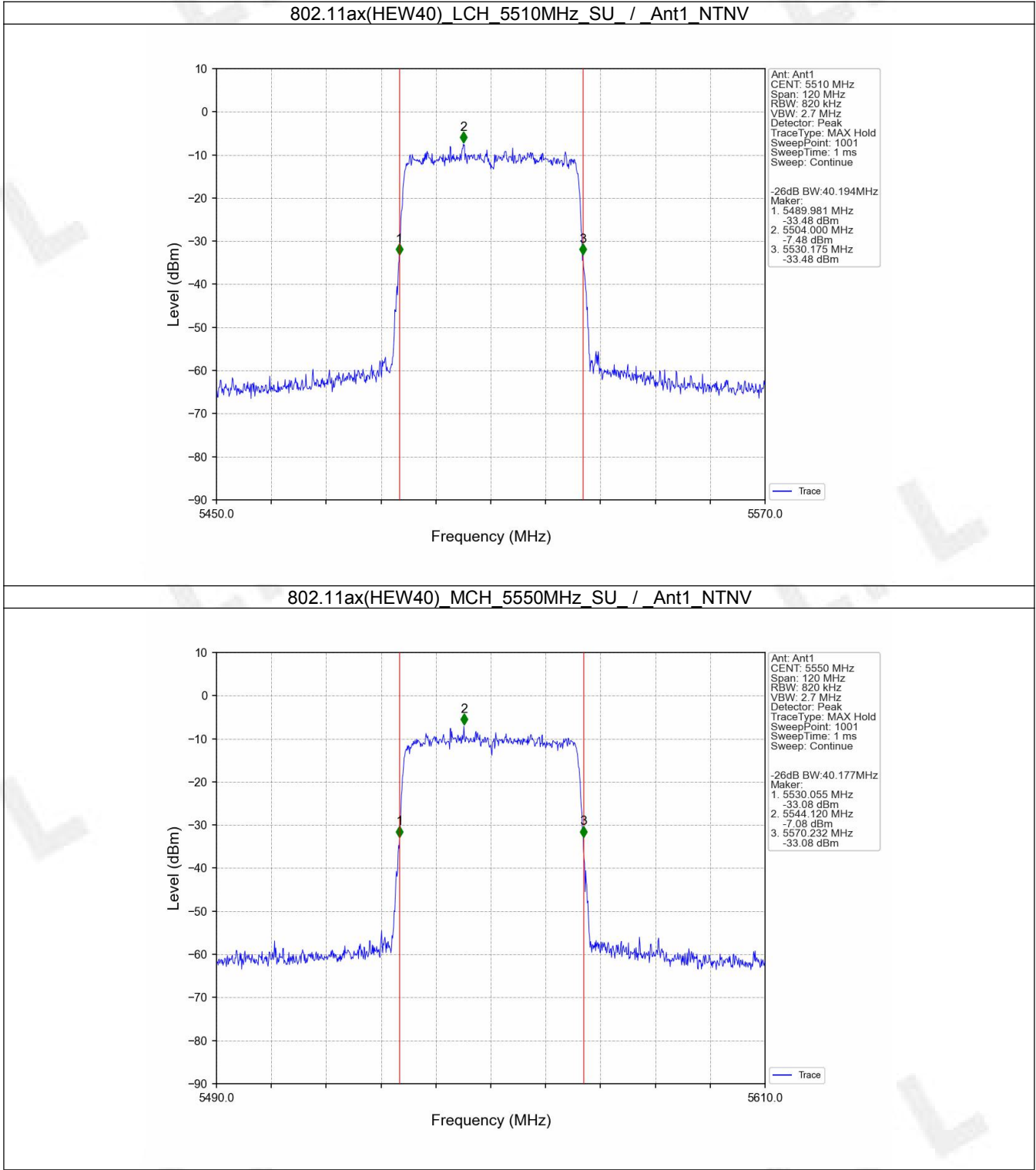
FCC ID: 2BUT3-SILICONE



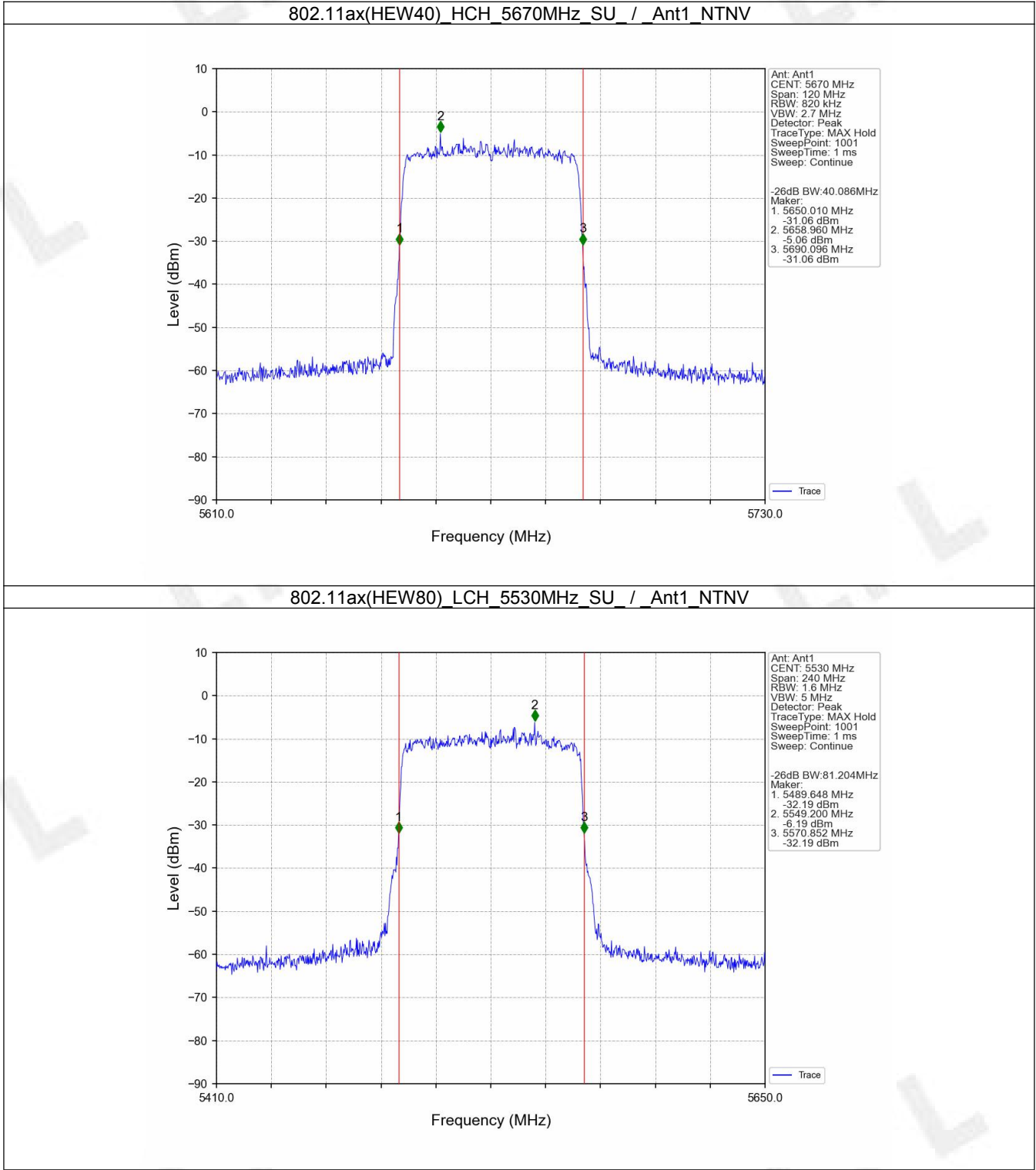
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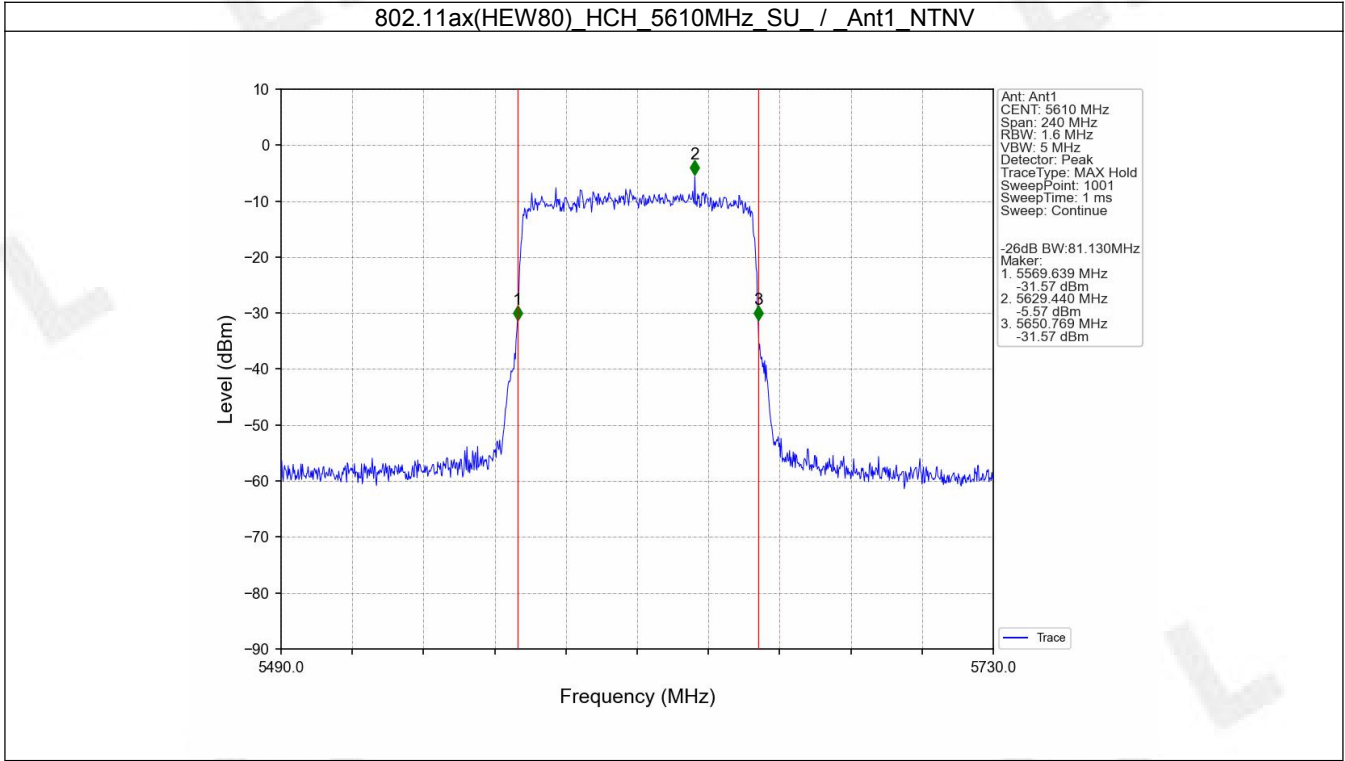
FCC ID: 2BUT3-SILICONE



FCC ID: 2BUT3-SILICONE



FCC ID: 2BUT3-SILICONE



FCC ID: 2BUT3-SILICONE

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	MIMO	Limit	
802.11a	SISO	5500	/	/	-2.12	-1.10	/	<=23.72	Pass
		5580	/	/	-1.83	0.11	/	<=23.8	Pass
		5700	/	/	-1.39	-0.11	/	<=23.74	Pass
802.11n (HT20)	SISO	5500	/	/	-1.94	-0.91	/	<=23.97	Pass
		5580	/	/	-1.79	-0.27	/	<=23.97	Pass
		5700	/	/	-1.24	-0.30	/	<=23.94	Pass
802.11n (HT40)	SISO	5510	/	/	-2.17	-1.01	/	<=23.98	Pass
		5550	/	/	-1.92	-0.20	/	<=23.98	Pass
		5670	/	/	-0.49	0.03	/	<=23.98	Pass
802.11n (HT20)	MIMO	5500	/	/	-1.88	-1.15	1.51	<=23.97	Pass
		5580	/	/	-1.77	0.63	2.60	<=23.98	Pass
		5700	/	/	-0.13	0.50	3.21	<=23.95	Pass
802.11n (HT40)	MIMO	5510	/	/	-1.51	-0.53	2.02	<=23.98	Pass
		5550	/	/	-0.97	0.11	2.61	<=23.98	Pass
		5670	/	/	0.33	0.78	3.57	<=23.98	Pass
802.11ac (VHT20)	SISO	5500	/	/	-1.32	-0.99	/	<=23.98	Pass
		5580	/	/	-0.78	0.63	/	<=23.98	Pass
		5700	/	/	-0.22	0.53	/	<=23.97	Pass
802.11ac (VHT40)	SISO	5510	/	/	-1.70	-0.51	/	<=23.98	Pass
		5550	/	/	-1.07	0.06	/	<=23.98	Pass
		5670	/	/	0.21	0.75	/	<=23.98	Pass
802.11ac (VHT80)	SISO	5530	/	/	-1.34	-0.79	/	<=23.98	Pass
		5610	/	/	-0.14	1.05	/	<=23.98	Pass
802.11ac (VHT20)	MIMO	5500	/	/	-1.29	-1.01	1.86	<=23.96	Pass
		5580	/	/	-0.61	0.65	3.08	<=23.98	Pass
		5700	/	/	0.16	0.45	3.32	<=23.96	Pass
802.11ac (VHT40)	MIMO	5510	/	/	-0.07	-0.32	2.82	<=23.98	Pass
		5550	/	/	0.43	0.36	3.41	<=23.98	Pass
		5670	/	/	0.21	1.13	3.70	<=23.98	Pass
802.11ac (VHT80)	MIMO	5530	/	/	-1.03	-0.60	2.20	<=23.98	Pass
		5610	/	/	-0.15	1.47	3.75	<=23.98	Pass
802.11ax (HEW20)	SISO	5500	SU	/	-1.17	-0.47	/	<=23.98	Pass
		5580	SU	/	-0.44	0.88	/	<=23.98	Pass
		5700	SU	/	-0.11	0.63	/	<=23.98	Pass
802.11ax (HEW40)	SISO	5510	SU	/	-1.22	-0.49	/	<=23.98	Pass
		5550	SU	/	-0.54	0.39	/	<=23.98	Pass
		5670	SU	/	0.53	0.16	/	<=23.98	Pass
802.11ax (HEW80)	SISO	5530	SU	/	-2.01	-1.61	/	<=23.98	Pass
		5610	SU	/	-1.03	0.47	/	<=23.98	Pass
802.11ax (HEW20)	MIMO	5500	SU	/	-1.94	-1.70	1.19	<=23.98	Pass
		5580	SU	/	-1.33	-0.11	2.33	<=23.98	Pass
		5700	SU	/	-0.85	-0.72	2.23	<=23.98	Pass
802.11ax (HEW40)	MIMO	5510	SU	/	-2.08	-1.38	1.29	<=23.98	Pass
		5550	SU	/	-1.47	-0.76	1.91	<=23.98	Pass
		5670	SU	/	-0.53	0.15	2.83	<=23.98	Pass
802.11ax (HEW80)	MIMO	5530	SU	/	-1.65	-1.45	1.46	<=23.98	Pass
		5610	SU	/	-0.85	0.38	2.82	<=23.98	Pass

Note1: Antenna Gain: Ant1: 2.01dBi; Ant2: 2.35dBi;

Note2: Directional Gain: Uncorrelated(Directional Gain = Ant Gain)

FCC ID: 2BUT3-SILICONE

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	MIMO	Limit	
802.11a	SISO	5500	/	/	-12.92	-11.98	/	<=11	Pass
		5580	/	/	-12.19	-11.06	/	<=11	Pass
		5700	/	/	-12.41	-10.78	/	<=11	Pass
802.11n (HT20)	SISO	5500	/	/	-13.33	-12.30	/	<=11	Pass
		5580	/	/	-13.11	-11.47	/	<=11	Pass
		5700	/	/	-12.59	-11.72	/	<=11	Pass
802.11n (HT40)	SISO	5510	/	/	-16.41	-15.20	/	<=11	Pass
		5550	/	/	-16.46	-14.59	/	<=11	Pass
		5670	/	/	-14.74	-14.39	/	<=11	Pass
802.11n (HT20)	MIMO	5500	/	/	-13.15	-12.43	-9.98	<=11	Pass
		5580	/	/	-12.91	-10.84	-8.82	<=11	Pass
		5700	/	/	-11.36	-10.89	-8.30	<=11	Pass
802.11n (HT40)	MIMO	5510	/	/	-15.69	-14.70	-12.39	<=11	Pass
		5550	/	/	-15.16	-14.25	-11.86	<=11	Pass
		5670	/	/	-14.10	-13.66	-11.06	<=11	Pass
802.11ac (VHT20)	SISO	5500	/	/	-12.76	-12.20	/	<=11	Pass
		5580	/	/	-12.08	-10.72	/	<=11	Pass
		5700	/	/	-11.46	-10.70	/	<=11	Pass
802.11ac (VHT40)	SISO	5510	/	/	-15.77	-14.93	/	<=11	Pass
		5550	/	/	-15.22	-14.11	/	<=11	Pass
		5670	/	/	-13.96	-13.77	/	<=11	Pass
802.11ac (VHT80)	SISO	5530	/	/	-18.88	-17.95	/	<=11	Pass
		5610	/	/	-17.48	-16.36	/	<=11	Pass
802.11ac (VHT20)	MIMO	5500	/	/	-12.45	-12.28	-9.51	<=11	Pass
		5580	/	/	-11.92	-10.69	-8.36	<=11	Pass
		5700	/	/	-11.18	-10.70	-7.95	<=11	Pass
802.11ac (VHT40)	MIMO	5510	/	/	-14.25	-15.10	-11.76	<=11	Pass
		5550	/	/	-13.86	-13.93	-11.00	<=11	Pass
		5670	/	/	-13.85	-13.28	-10.71	<=11	Pass
802.11ac (VHT80)	MIMO	5530	/	/	-17.70	-17.68	-14.90	<=11	Pass
		5610	/	/	-17.82	-15.90	-13.87	<=11	Pass
802.11ax (HEW20)	SISO	5500	SU	/	-12.55	-11.96	/	<=11	Pass
		5580	SU	/	-11.67	-10.57	/	<=11	Pass
		5700	SU	/	-11.69	-10.95	/	<=11	Pass
802.11ax (HEW40)	SISO	5510	SU	/	-15.64	-14.71	/	<=11	Pass
		5550	SU	/	-15.24	-14.02	/	<=11	Pass
		5670	SU	/	-14.32	-14.43	/	<=11	Pass
802.11ax (HEW80)	SISO	5530	SU	/	-19.10	-18.57	/	<=11	Pass
		5610	SU	/	-18.48	-16.87	/	<=11	Pass
802.11ax (HEW20)	MIMO	5500	SU	/	-13.32	-12.94	-10.32	<=11	Pass
		5580	SU	/	-12.82	-11.64	-9.26	<=11	Pass
		5700	SU	/	-12.15	-11.92	-9.17	<=11	Pass
802.11ax (HEW40)	MIMO	5510	SU	/	-16.57	-15.52	-13.18	<=11	Pass
		5550	SU	/	-16.06	-15.07	-12.65	<=11	Pass
		5670	SU	/	-14.76	-14.21	-11.61	<=11	Pass
802.11ax (HEW80)	MIMO	5530	SU	/	-18.84	-18.80	-16.08	<=11	Pass
		5610	SU	/	-17.99	-17.08	-14.82	<=11	Pass

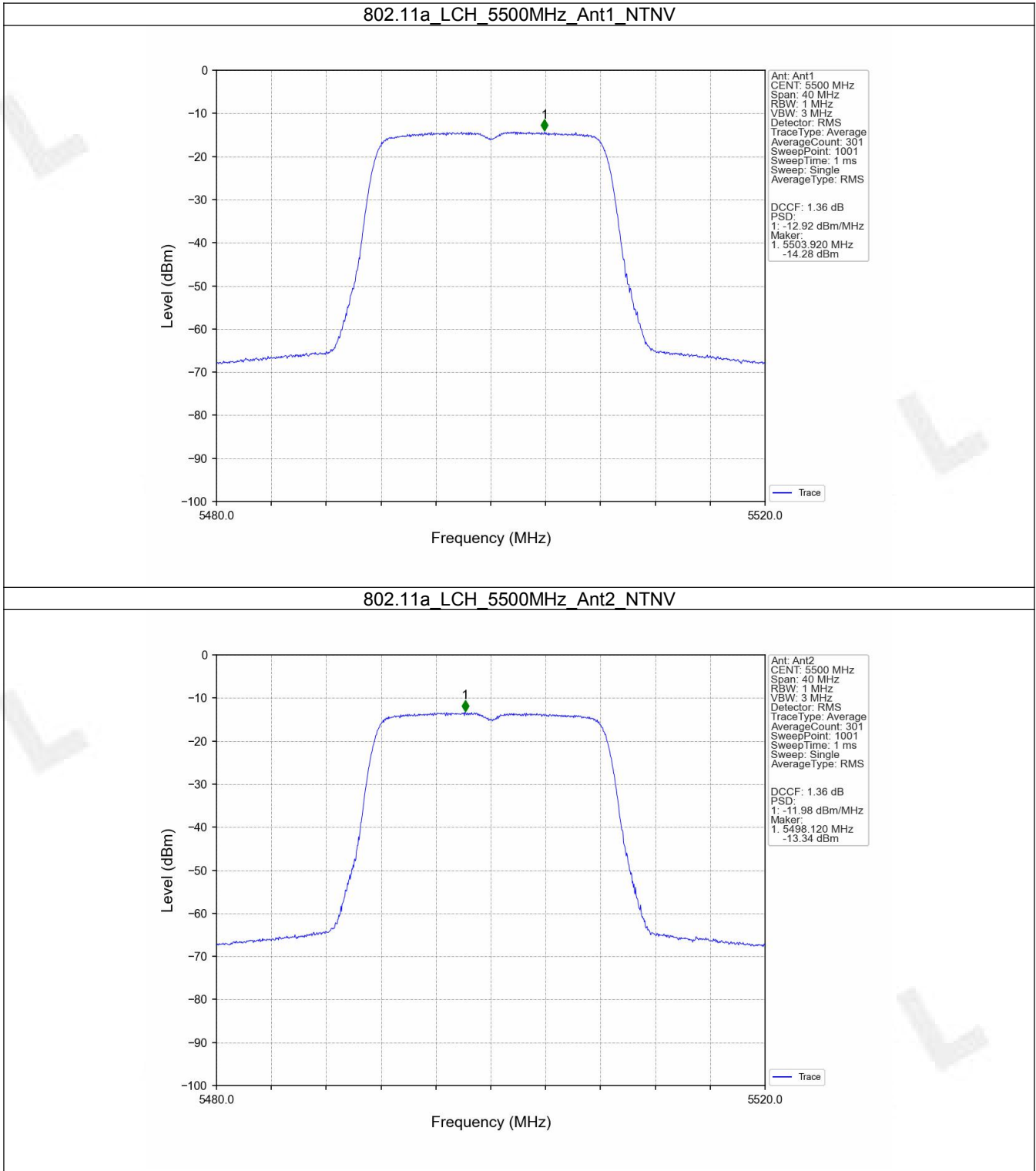
Note1: Antenna Gain: Ant1: 2.01dBi; Ant2: 2.35dBi;

Note2: Directional Gain: Uncorrelated(Directional Gain = Ant Gain)

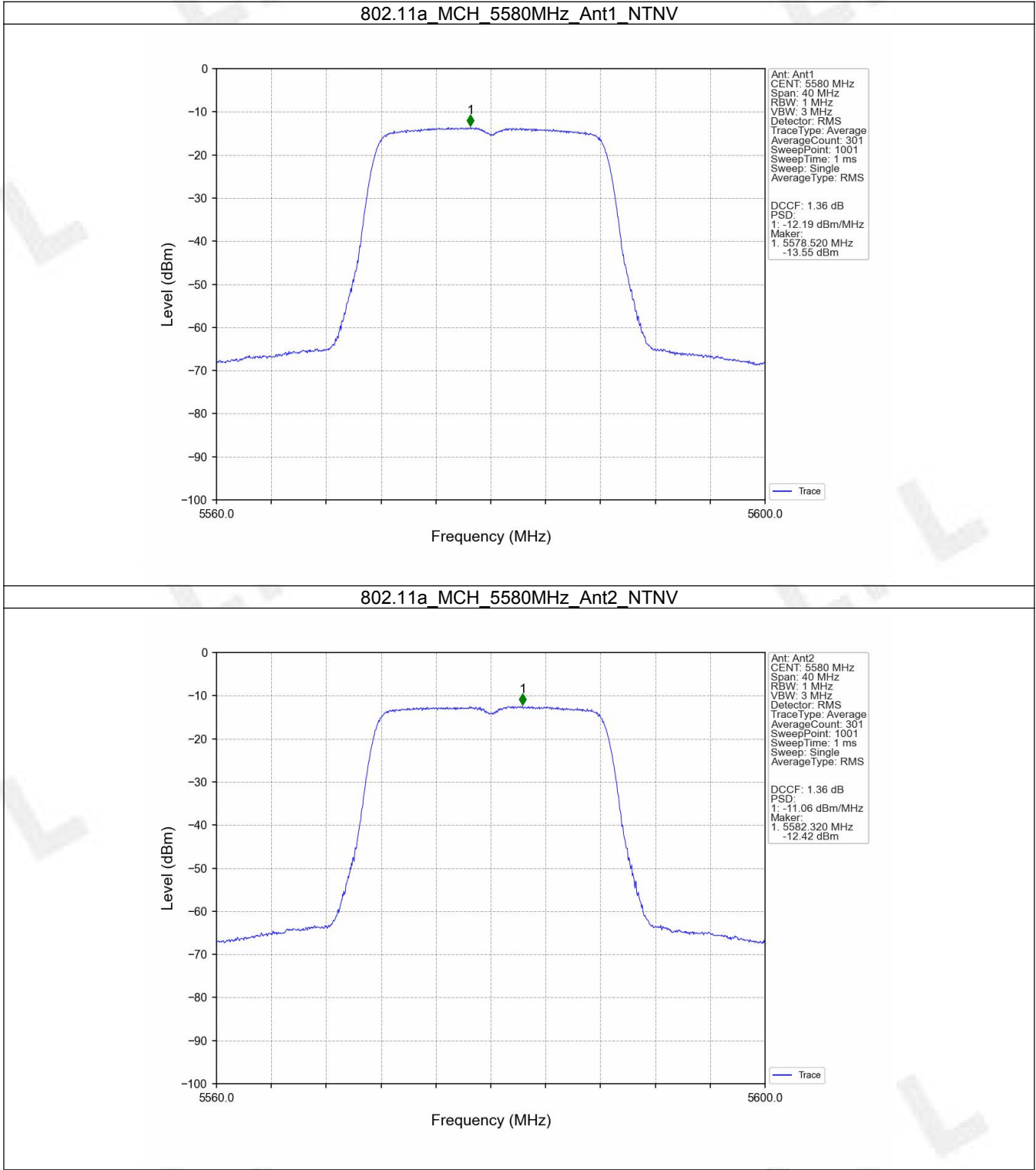
FCC ID: 2BUT3-SILICONE

4.2 Test Graph

4.2.1 PSD

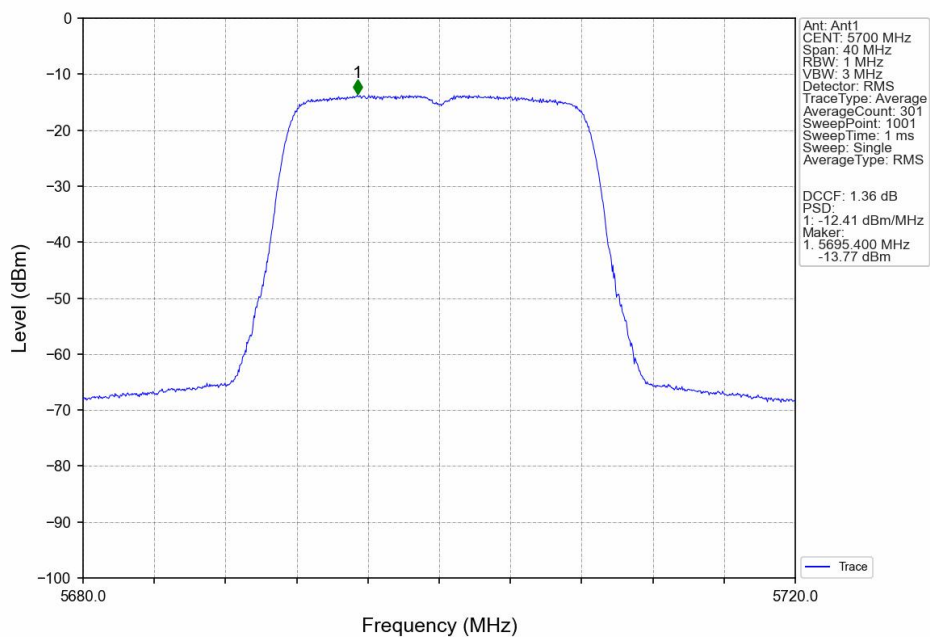


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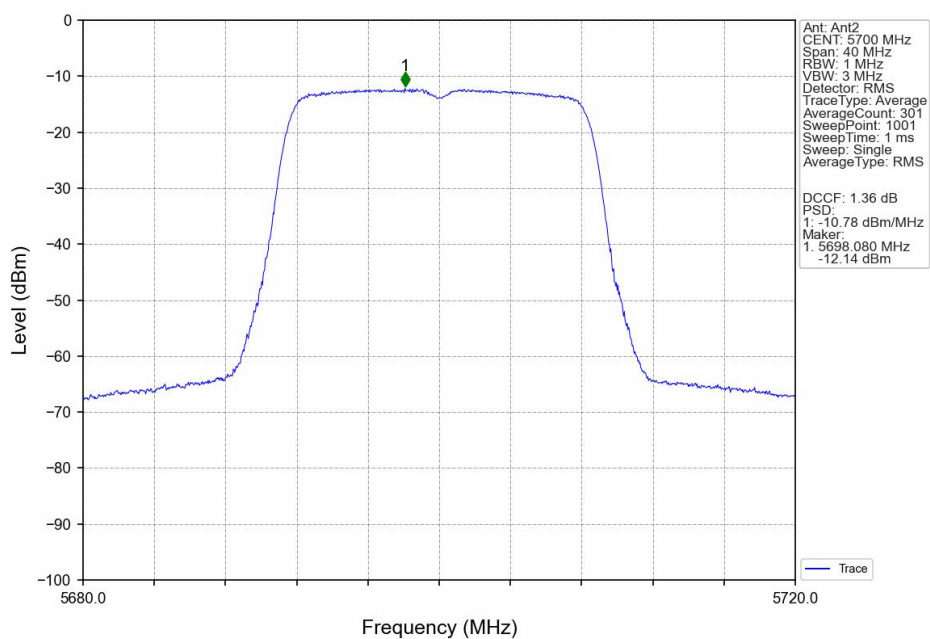


FCC ID: 2BUT3-SILICONE

802.11a_HCH_5700MHz_Ant1_NTNV

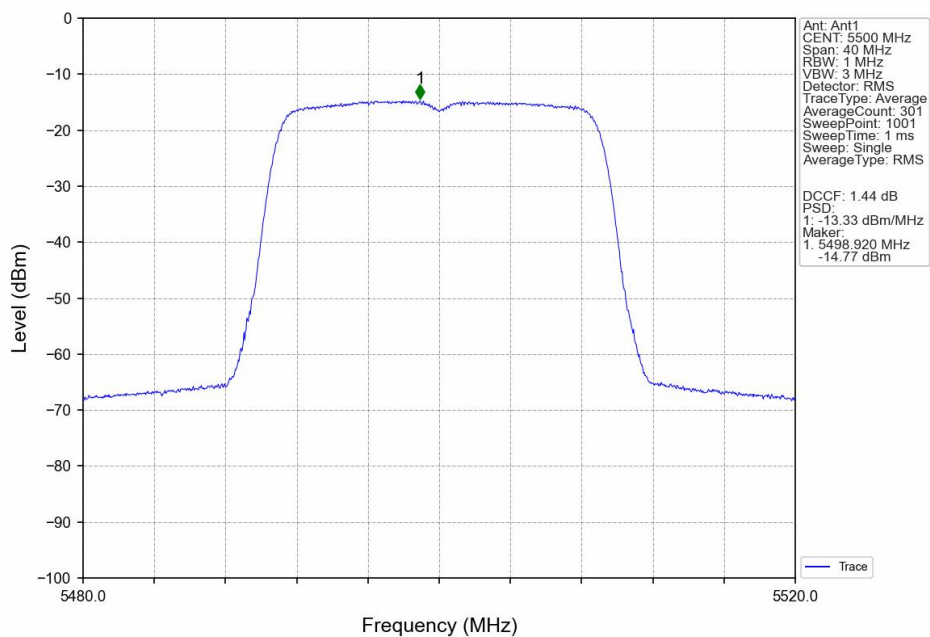


802.11a_HCH_5700MHz_Ant2_NTNV

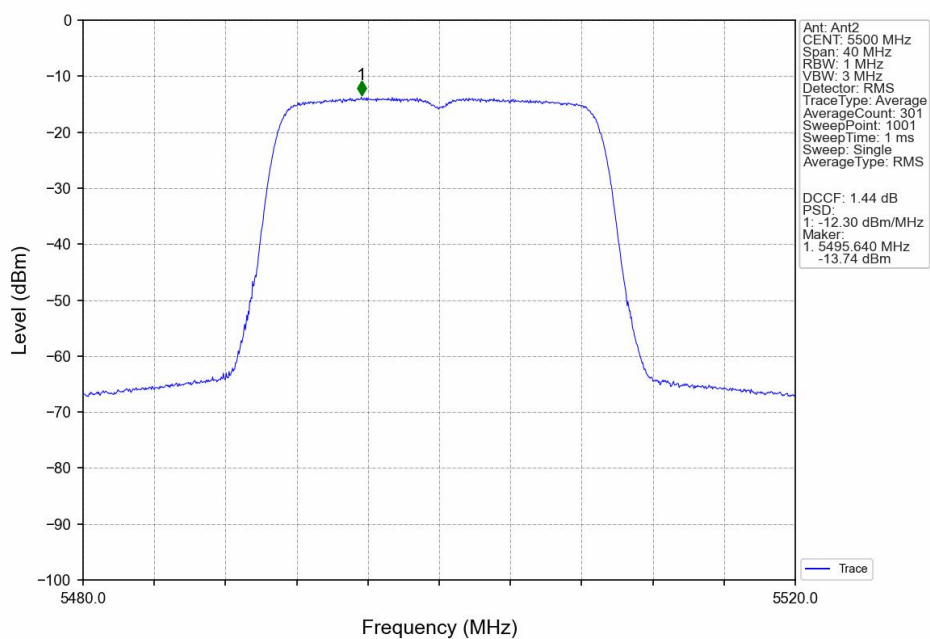


FCC ID: 2BUT3-SILICONE

802.11n(HT20) LCH_5500MHz_Ant1_NTNV



802.11n(HT20) LCH_5500MHz_Ant2_NTNV



FCC ID: 2BUT3-SILICONE

