

Appendix: 5.6G Wi-Fi

1. Frequency Error

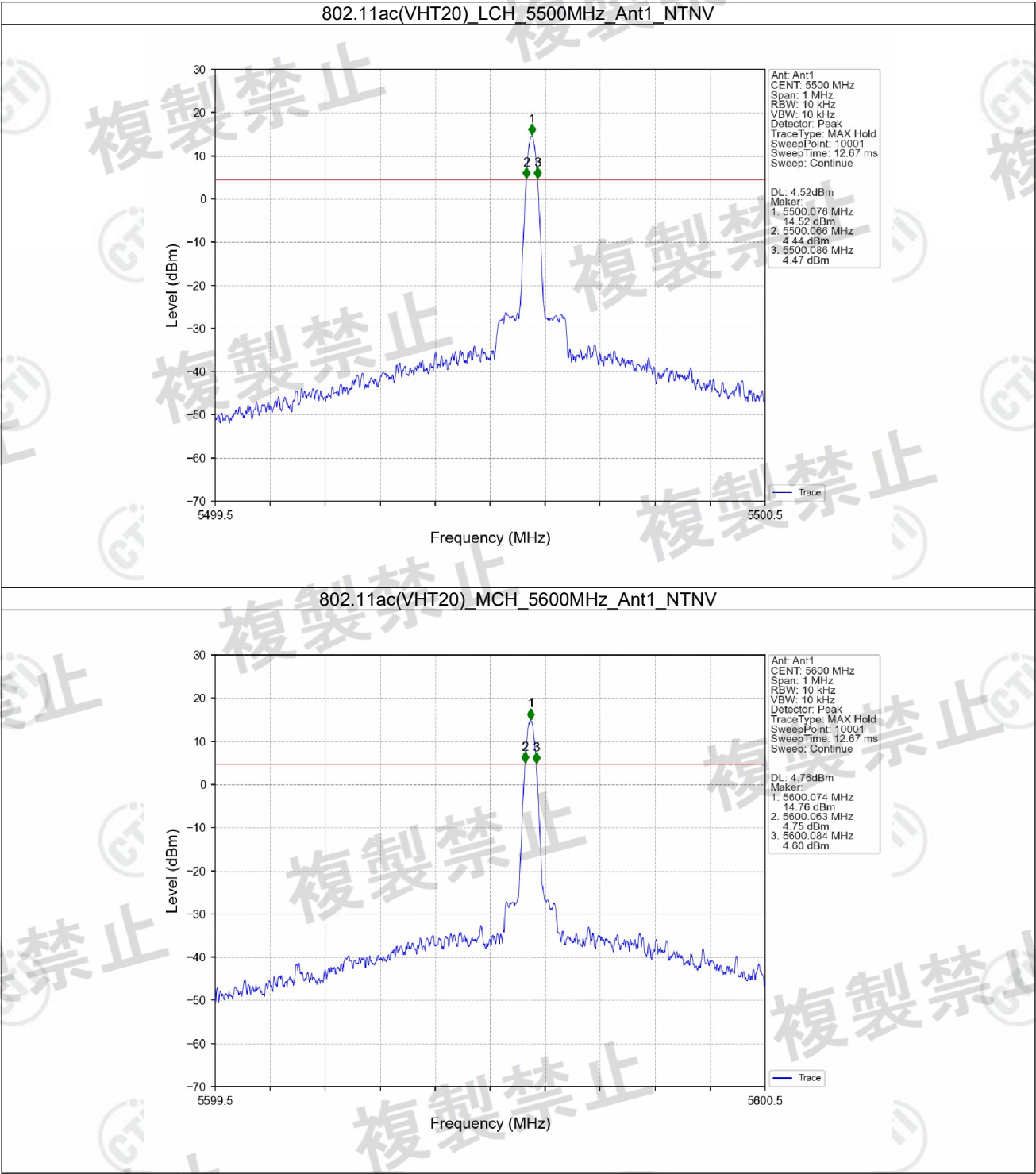
1.1 Test Result

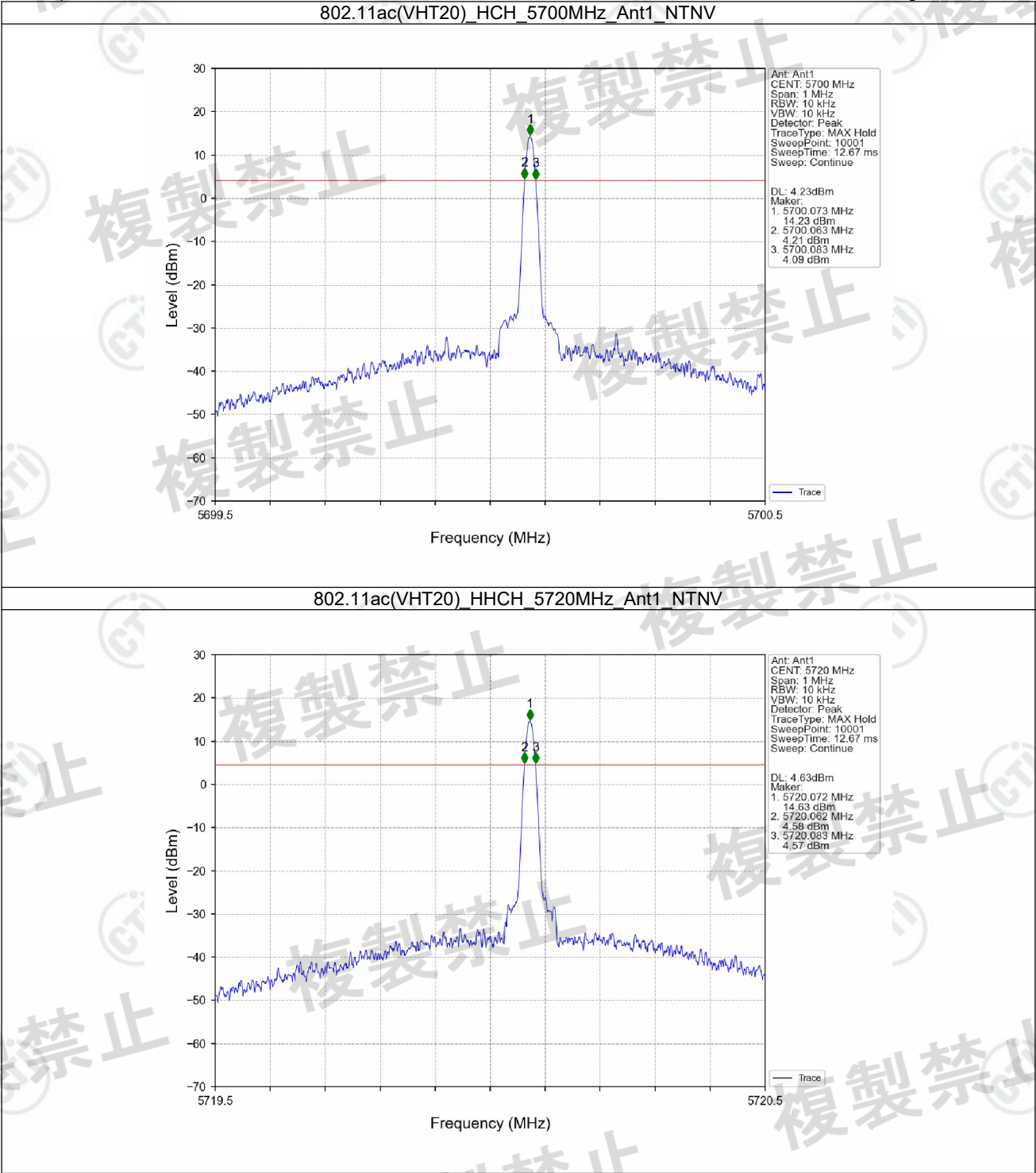
1.1.1 Ant1

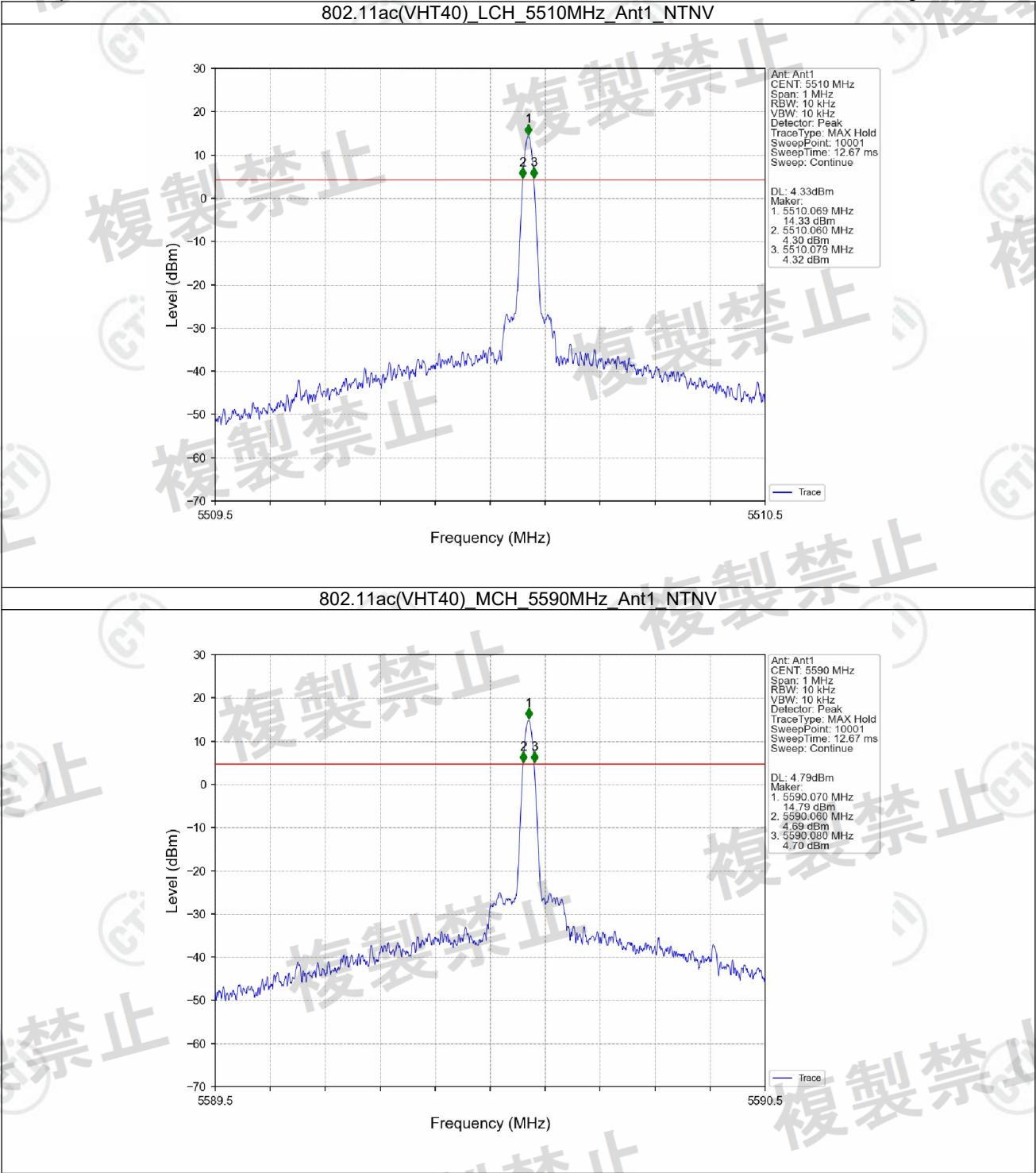
ENV	Mode	TX Type	Frequency (MHz)	Measured Frequency (MHz)	Tolerance (ppm)		Verdict
					Result	Limit	
NTNV	CW	SISO	5500	5500.076	13.78	-20 to 20	Pass
			5600	5600.074	13.14	-20 to 20	Pass
			5700	5700.073	12.78	-20 to 20	Pass
			5720	5720.072	12.67	-20 to 20	Pass
			5510	5510.069	12.61	-20 to 20	Pass
			5590	5590.070	12.51	-20 to 20	Pass
			5670	5670.070	12.43	-20 to 20	Pass
			5710	5710.071	12.40	-20 to 20	Pass
			5530	5530.069	12.41	-20 to 20	Pass
			5610	5610.069	12.36	-20 to 20	Pass
			5690	5690.070	12.28	-20 to 20	Pass

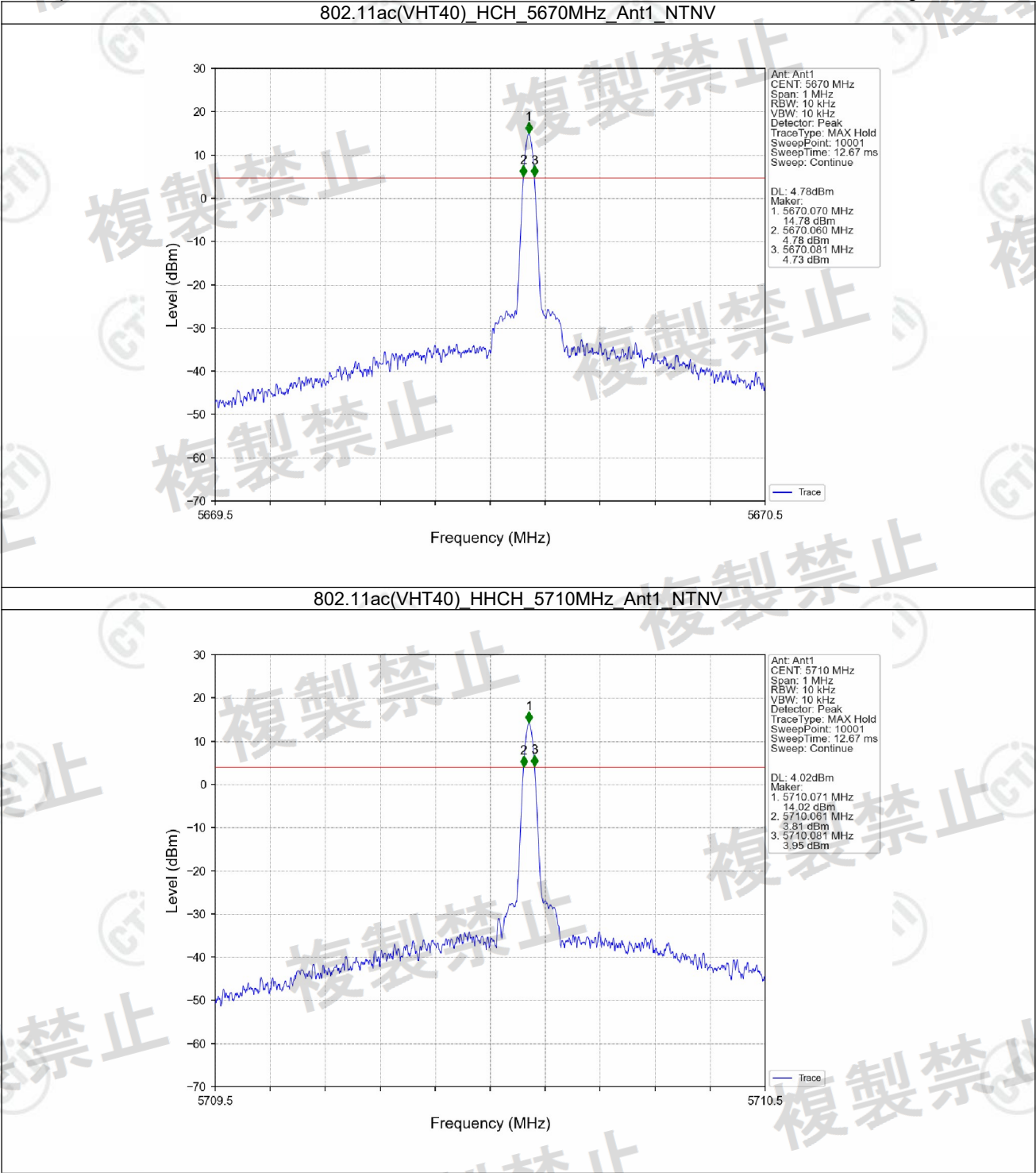
1.2 Test Graph

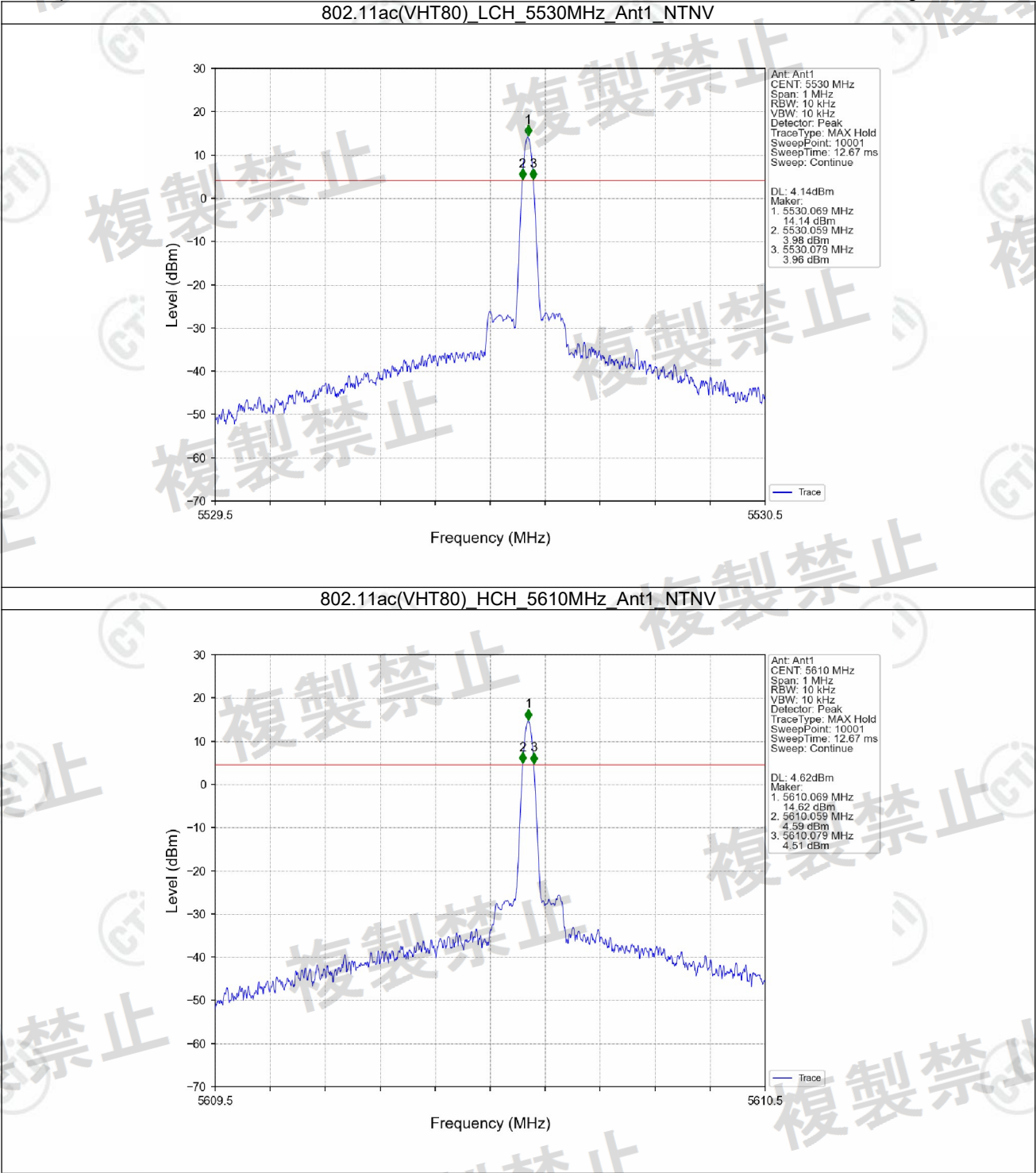
1.2.1 Ant1

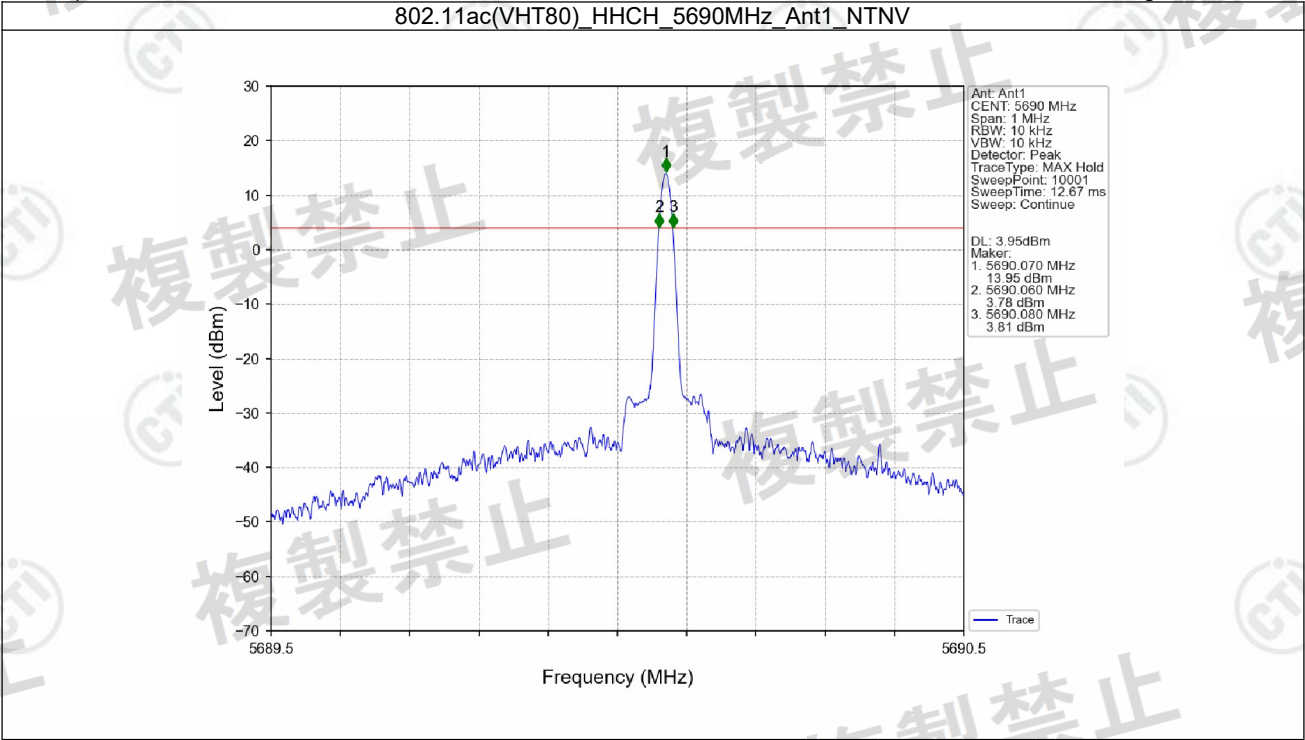












2. Occupied Bandwidth

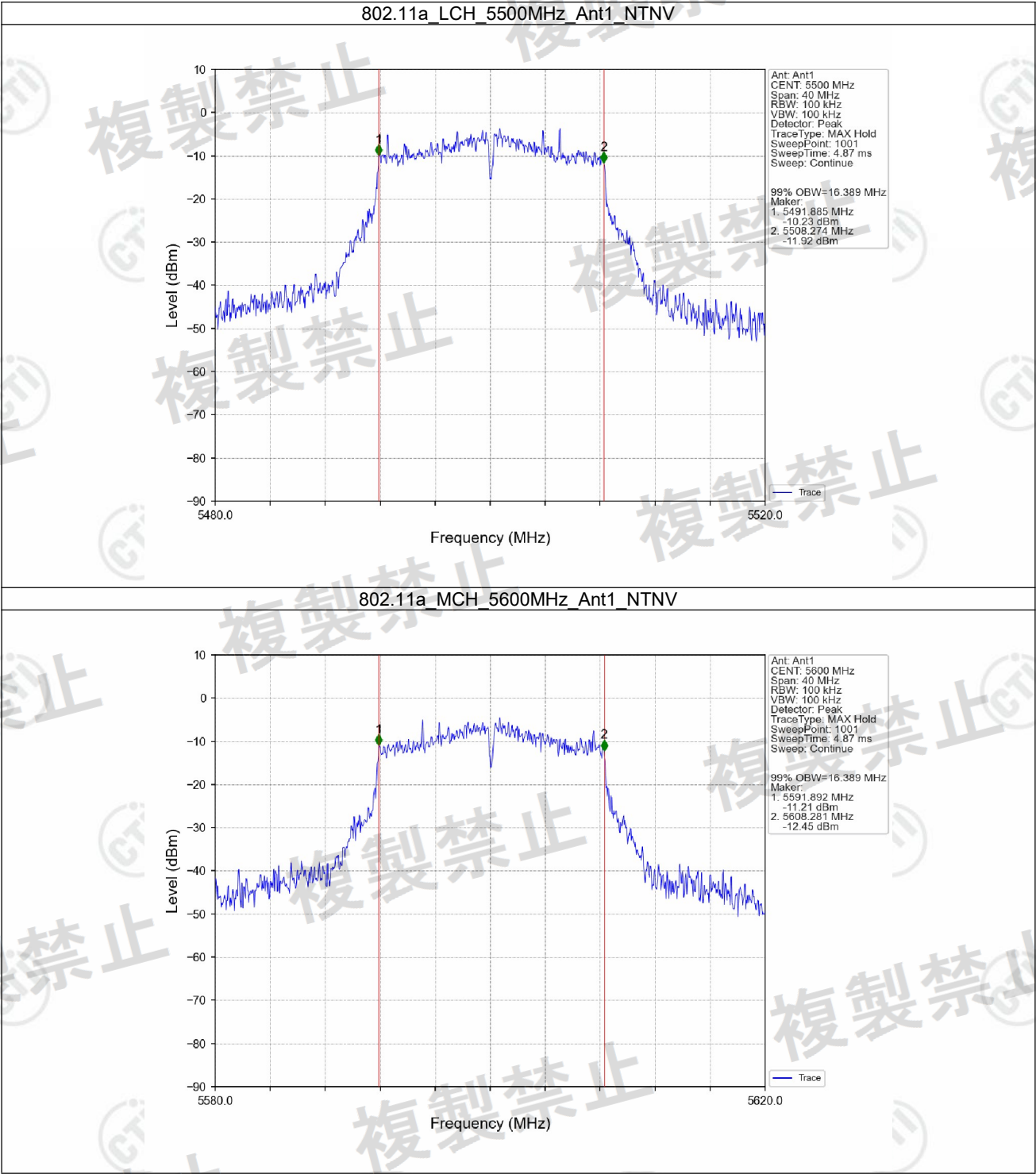
2.1 Test Result

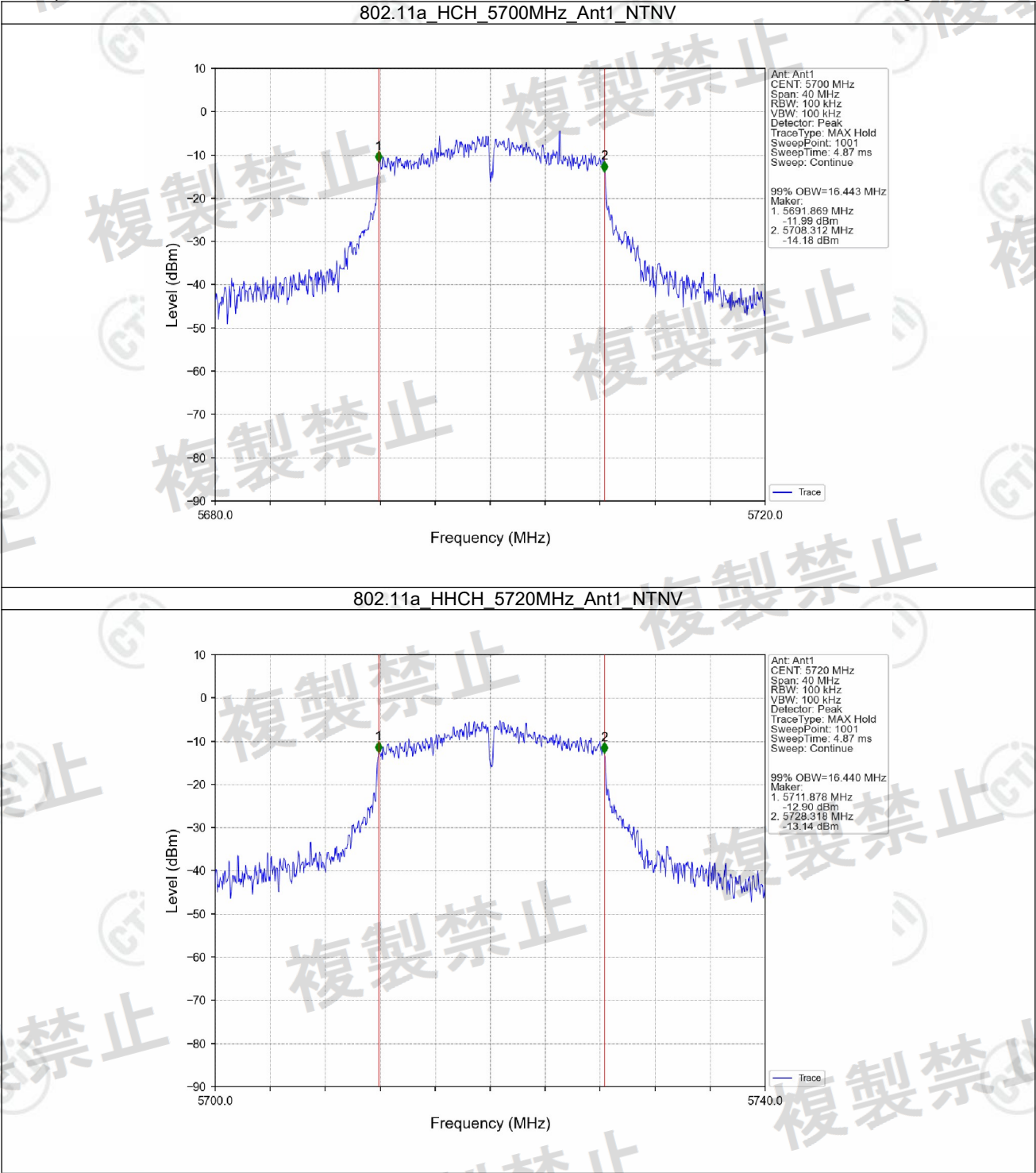
2.1.1 OBW

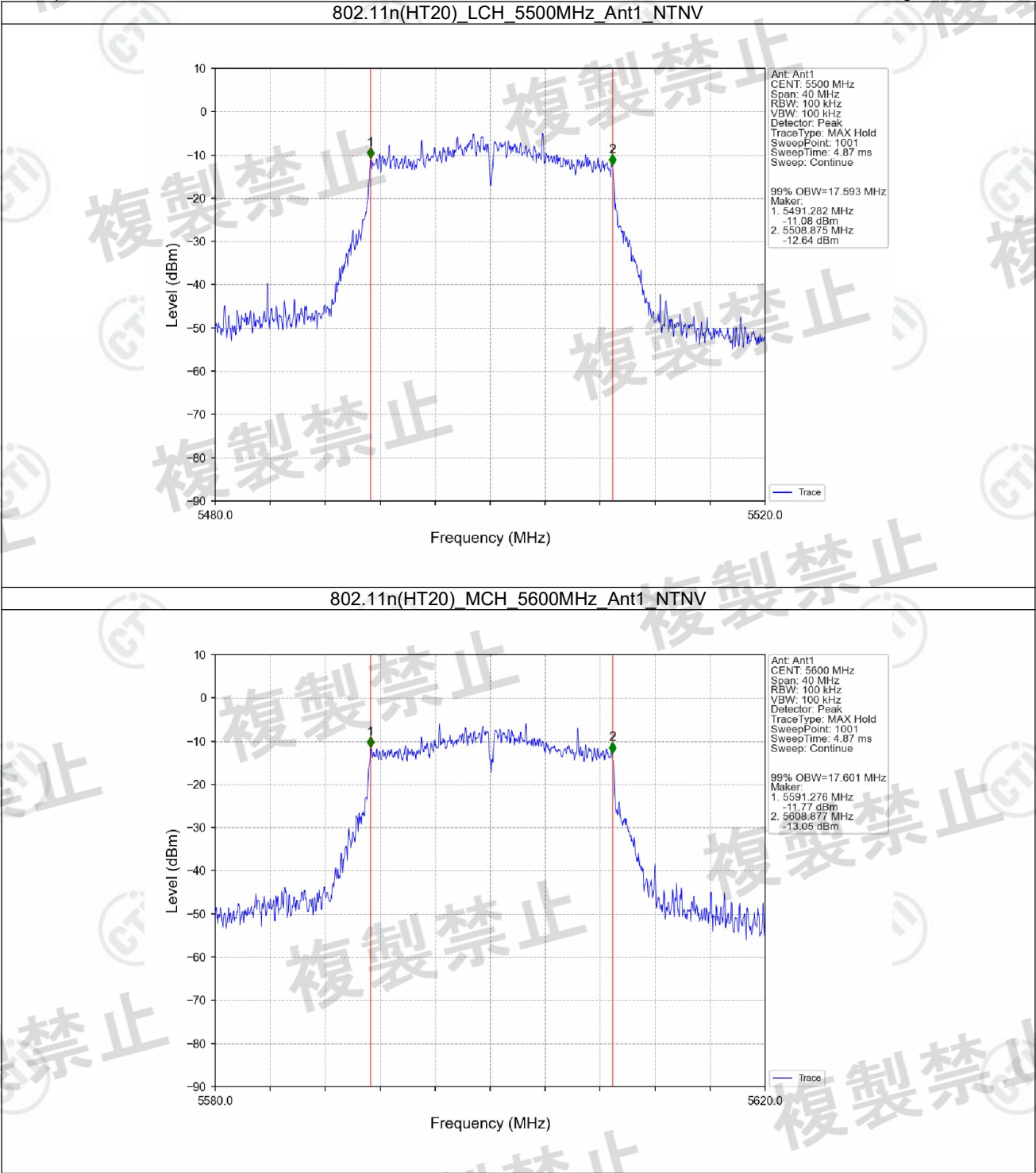
ENV	Mode	TX Type	Frequency (MHz)	99% Occupied Bandwidth (MHz)		Verdict
				ANT1	Limit	
NTNV	802.11a	SISO	5500	16.389	<=20	Pass
			5600	16.389	<=20	Pass
			5700	16.443	<=20	Pass
			5720	16.440	<=20	Pass
	802.11n (HT20)	SISO	5500	17.593	<=20	Pass
			5600	17.601	<=20	Pass
			5700	17.608	<=20	Pass
			5720	17.615	<=20	Pass
	802.11ac (VHT20)	SISO	5500	17.586	<=20	Pass
			5600	17.620	<=20	Pass
			5700	17.614	<=20	Pass
			5720	17.610	<=20	Pass
	802.11ac (VHT40)	SISO	5510	36.055	<=40	Pass
			5590	36.092	<=40	Pass
			5670	36.107	<=40	Pass
			5710	36.052	<=40	Pass
	802.11ac (VHT80)	SISO	5530	75.338	<=80	Pass
			5610	75.236	<=80	Pass
			5690	75.486	<=80	Pass

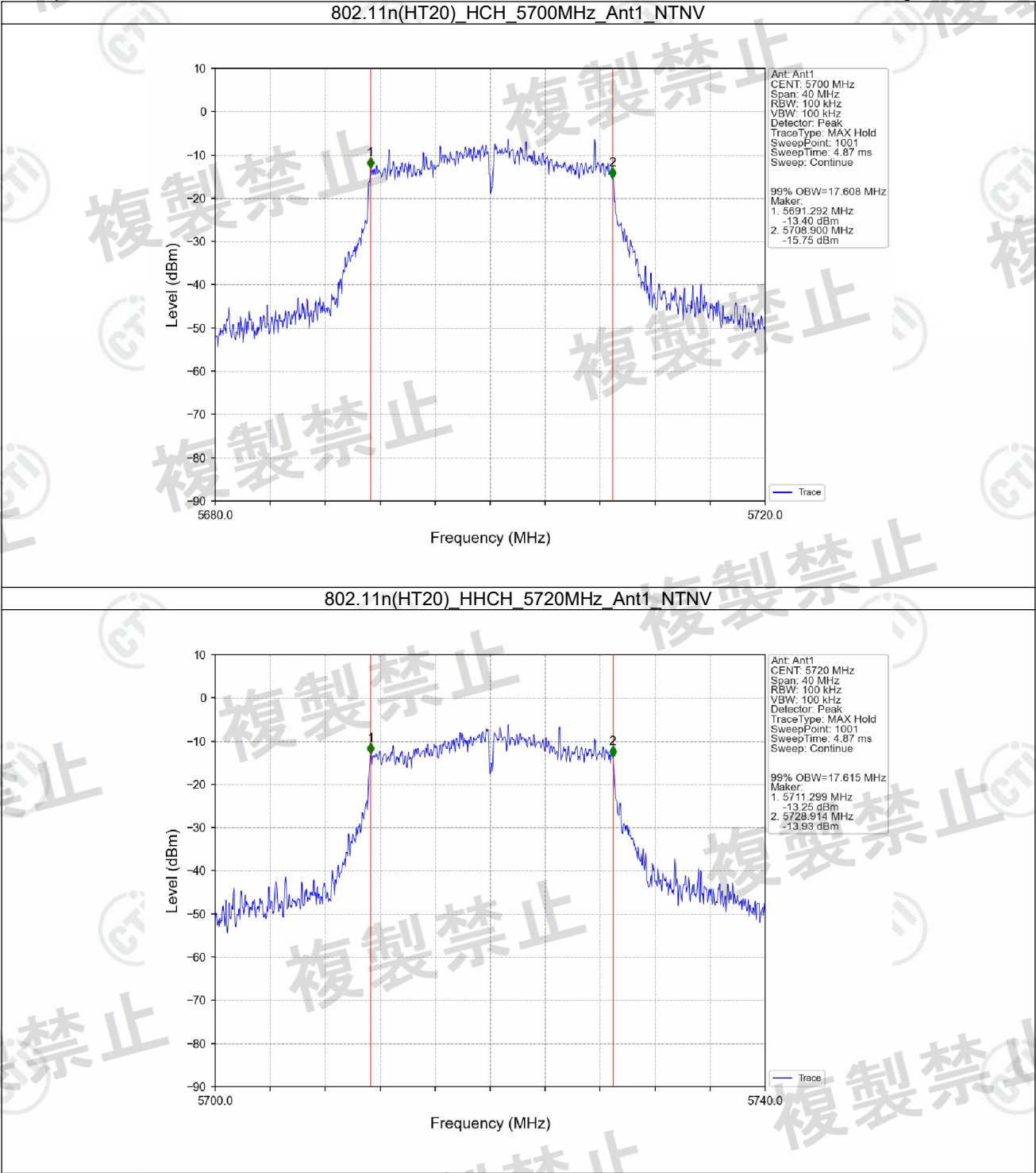
2.2 Test Graph

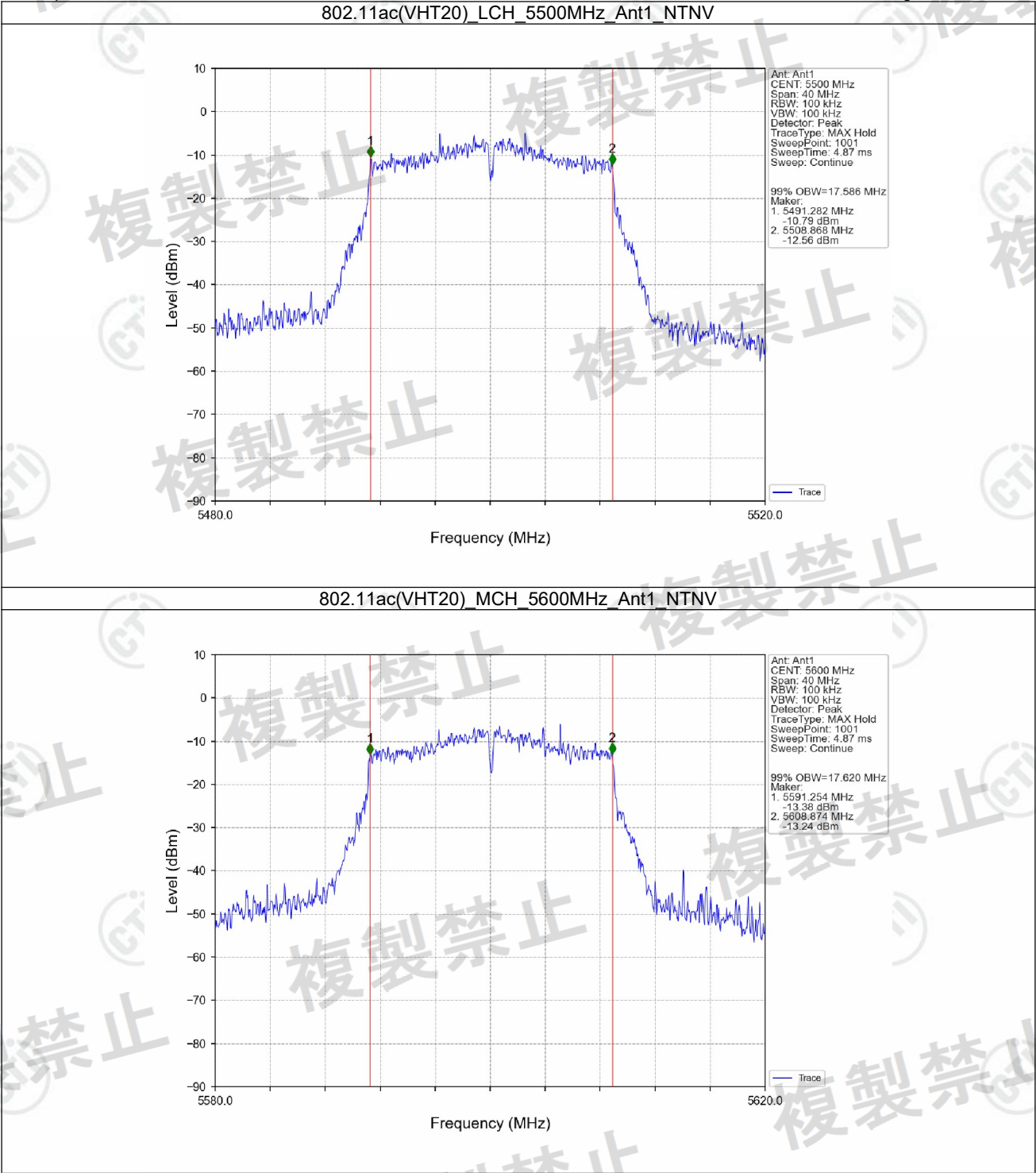
2.2.1 OBW

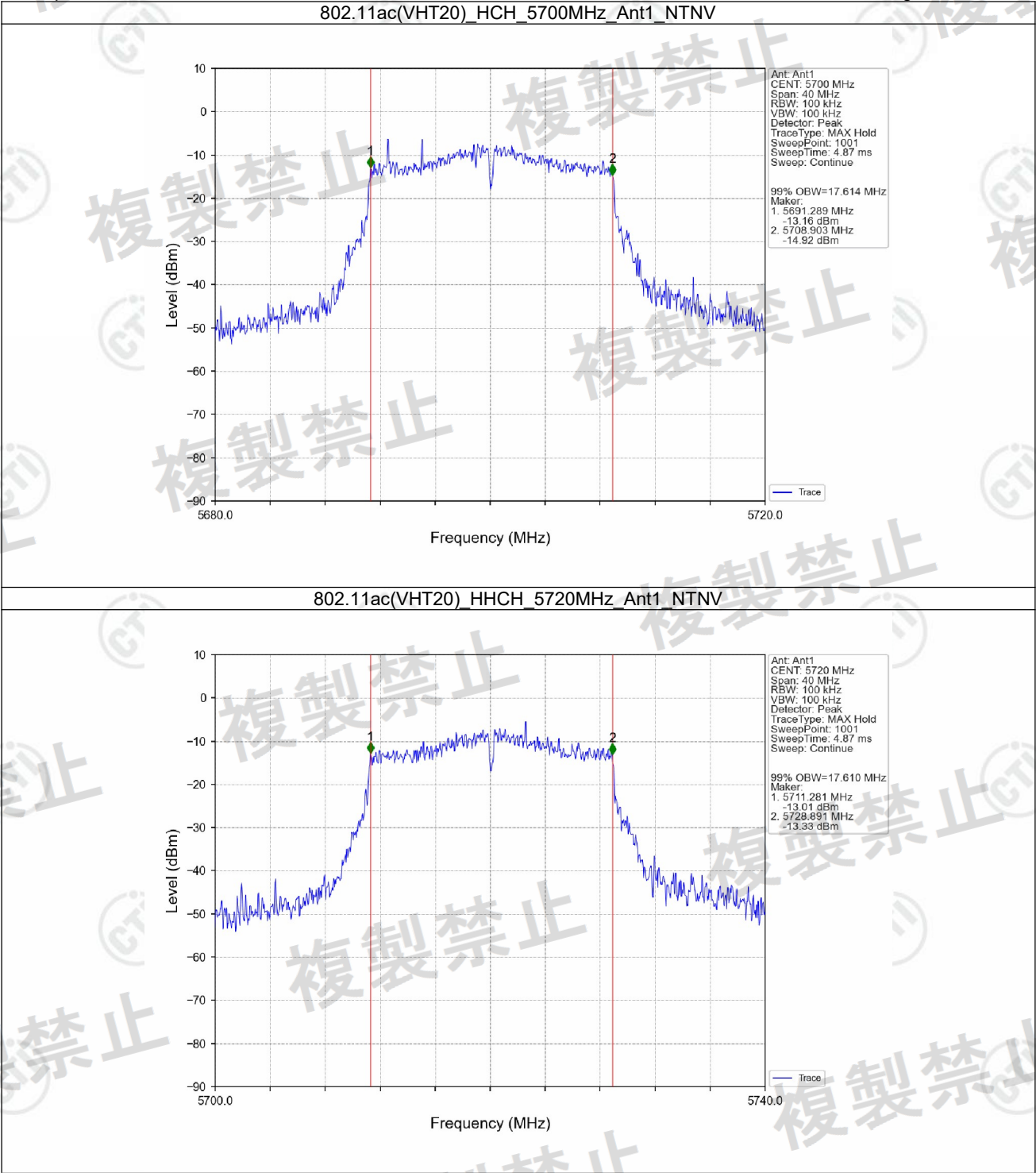


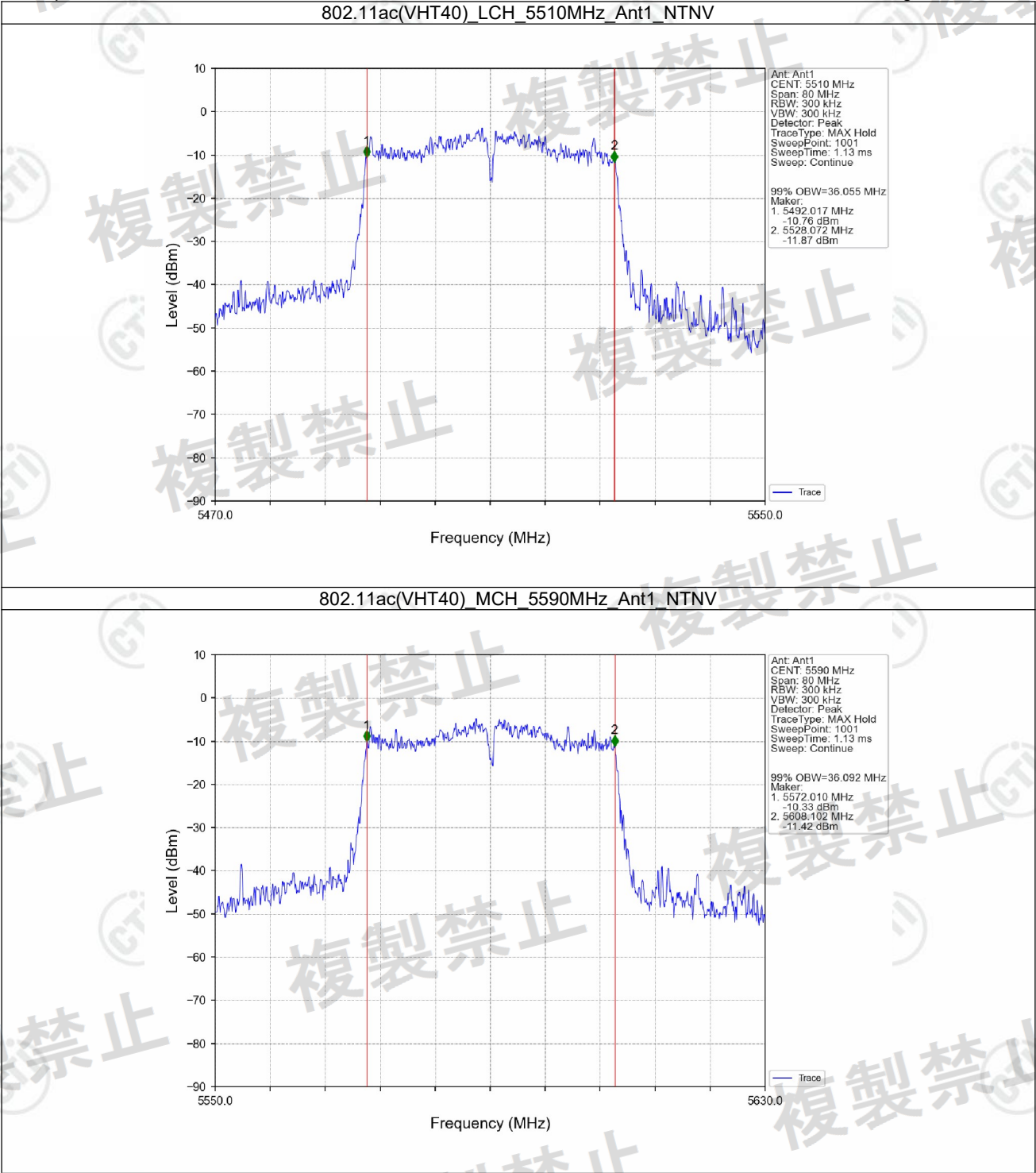


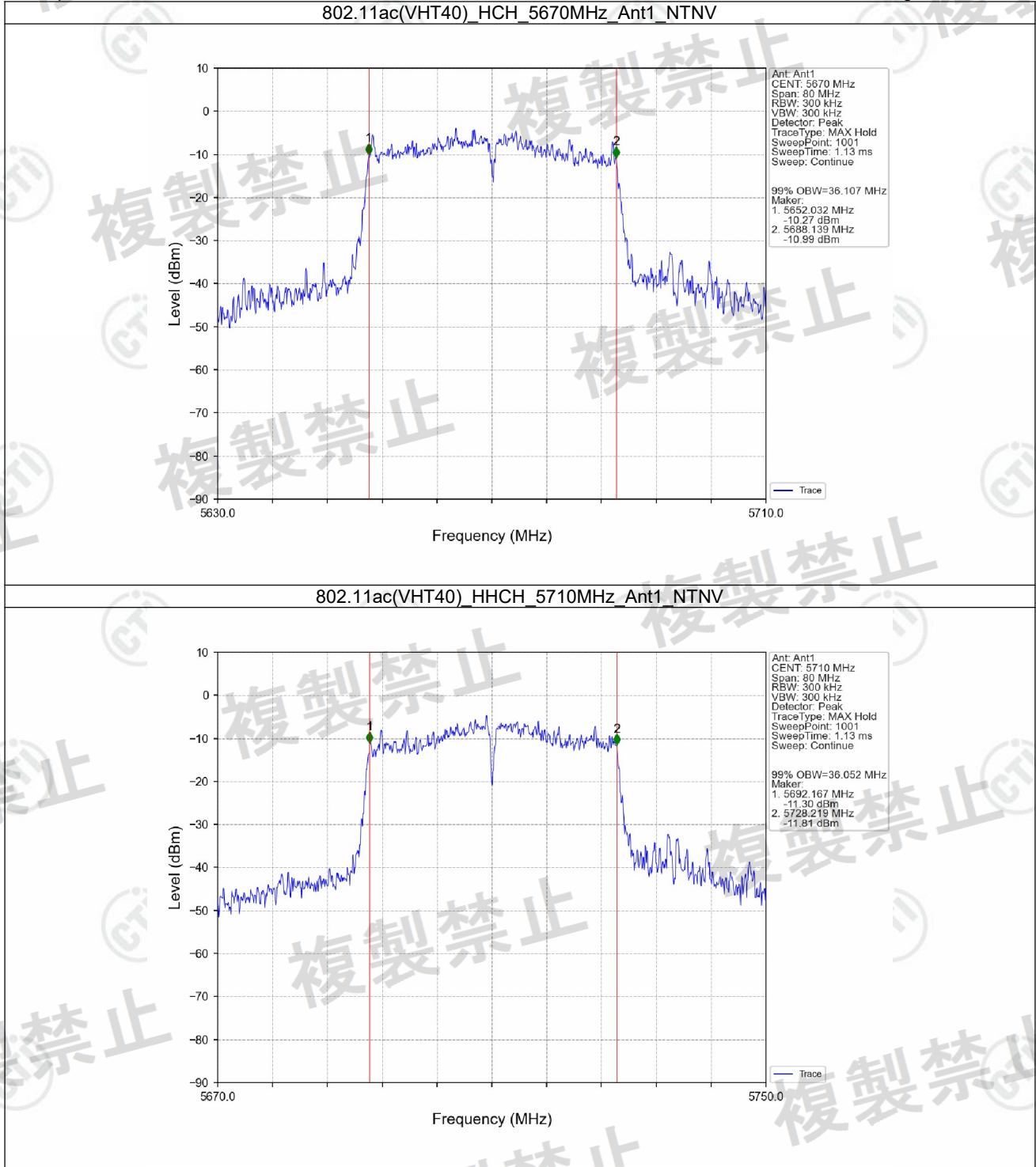


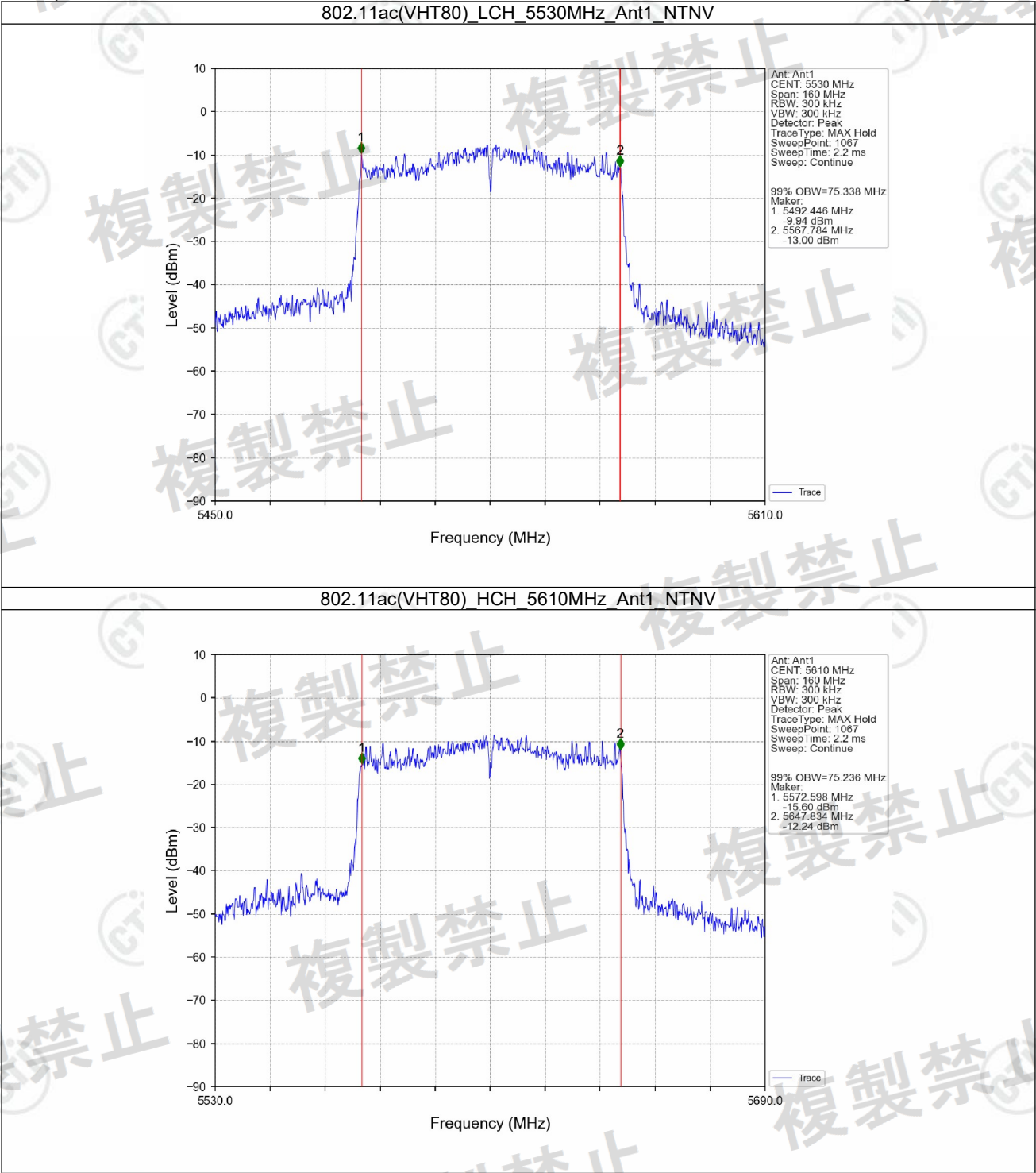


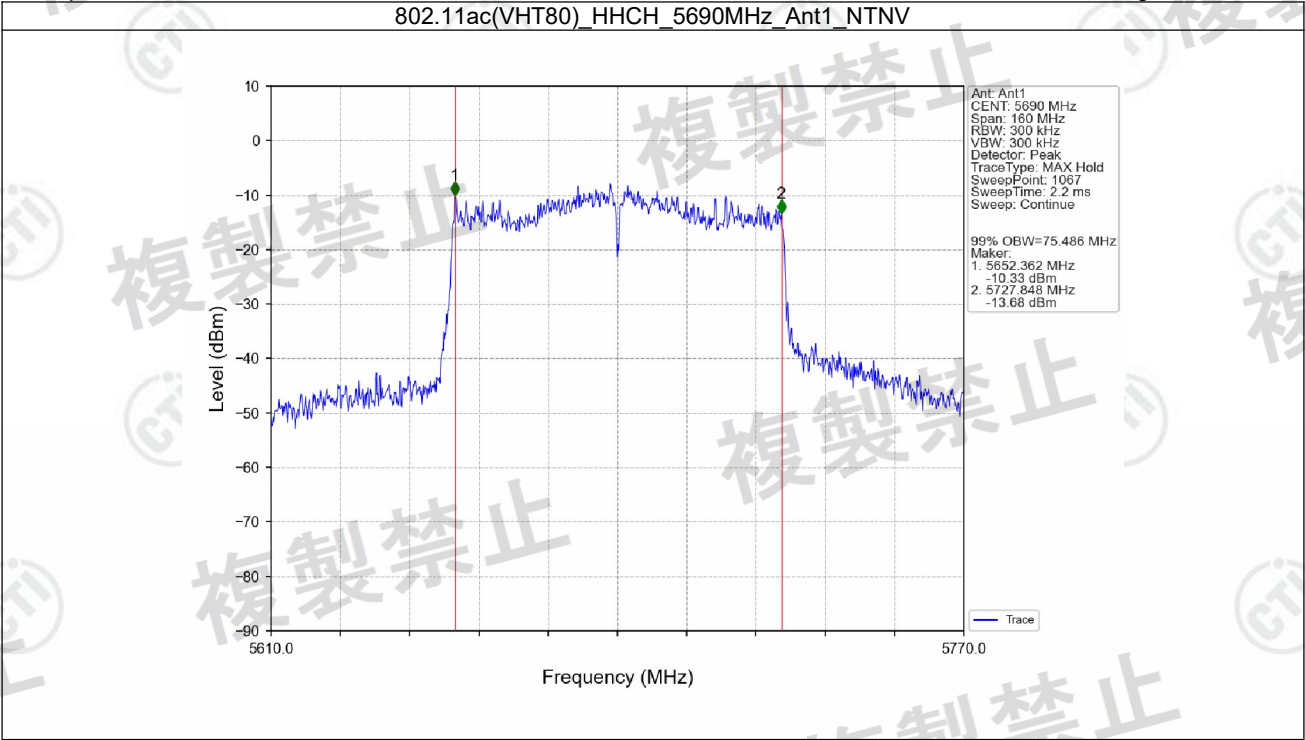












3. Antenna Power

3.1 Test Result

3.1.1 Power_NTNV

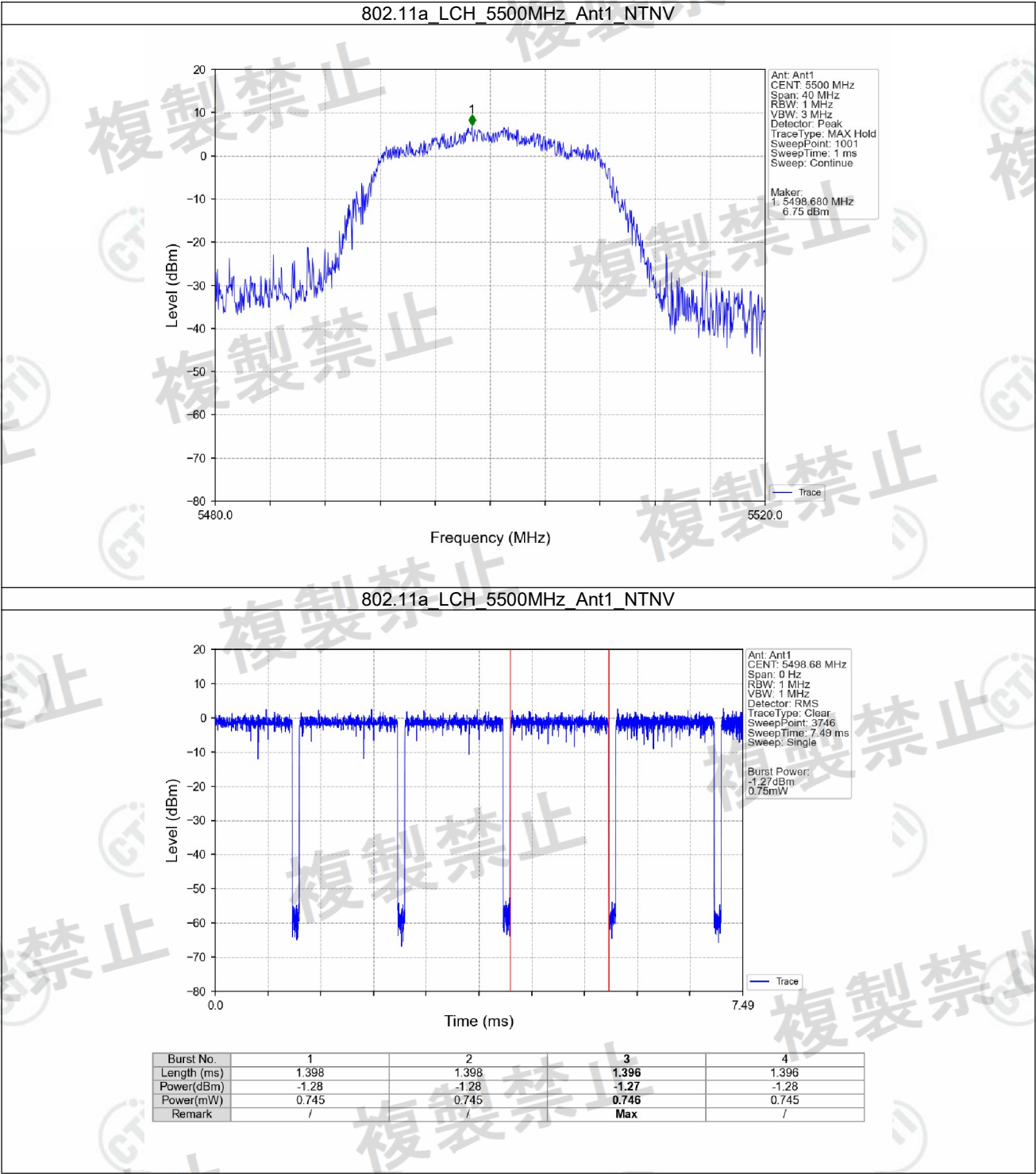
NTNV									
Mode	TX Type	Frequency (MHz)	ANT	Antenna Power (mW/MHz)		Nominal Power (mW/MHz)	Tolerance (%)		Verdict
				Measured	Limit		Measured	Limit	
802.11a	SISO	5500	1	0.746	<=10.00	0.750	-0.53	-50 to 50	Pass
		5600	1	0.600	<=10.00	0.750	-20.00	-50 to 50	Pass
		5700	1	0.553	<=10.00	0.750	-26.27	-50 to 50	Pass
		5720	1	0.629	<=10.00	0.750	-16.13	-50 to 50	Pass
802.11n (HT20)	SISO	5500	1	0.545	<=10.00	0.380	43.42	-50 to 50	Pass
		5600	1	0.425	<=10.00	0.380	11.84	-50 to 50	Pass
		5700	1	0.376	<=10.00	0.380	-1.05	-50 to 50	Pass
		5720	1	0.394	<=10.00	0.380	3.68	-50 to 50	Pass
802.11ac (VHT20)	SISO	5500	1	0.501	<=10.00	0.500	0.20	-50 to 50	Pass
		5600	1	0.412	<=10.00	0.500	-17.60	-50 to 50	Pass
		5700	1	0.331	<=10.00	0.500	-33.80	-50 to 50	Pass
		5720	1	0.392	<=10.00	0.500	-21.60	-50 to 50	Pass
802.11ac (VHT40)	SISO	5510	1	0.260	<=5.00	0.260	0.00	-50 to 50	Pass
		5590	1	0.236	<=5.00	0.260	-9.23	-50 to 50	Pass
		5670	1	0.276	<=5.00	0.260	6.15	-50 to 50	Pass
		5710	1	0.203	<=5.00	0.260	-21.92	-50 to 50	Pass
802.11ac (VHT80)	SISO	5530	1	0.112	<=2.50	0.110	1.82	-50 to 50	Pass
		5610	1	0.107	<=2.50	0.110	-2.73	-50 to 50	Pass
		5690	1	0.096	<=2.50	0.110	-12.73	-50 to 50	Pass

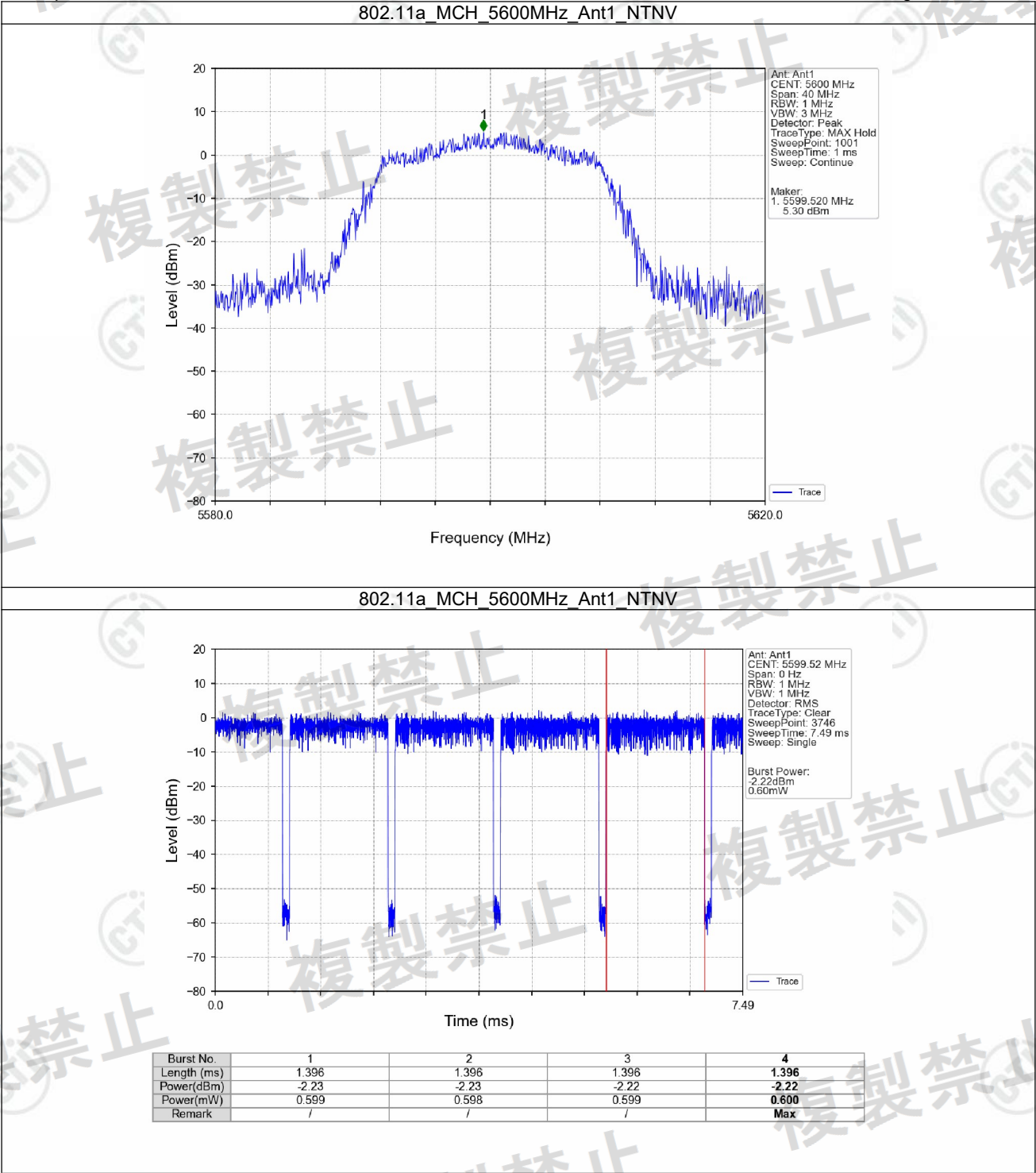
3.1.2 EIRP_NTNV

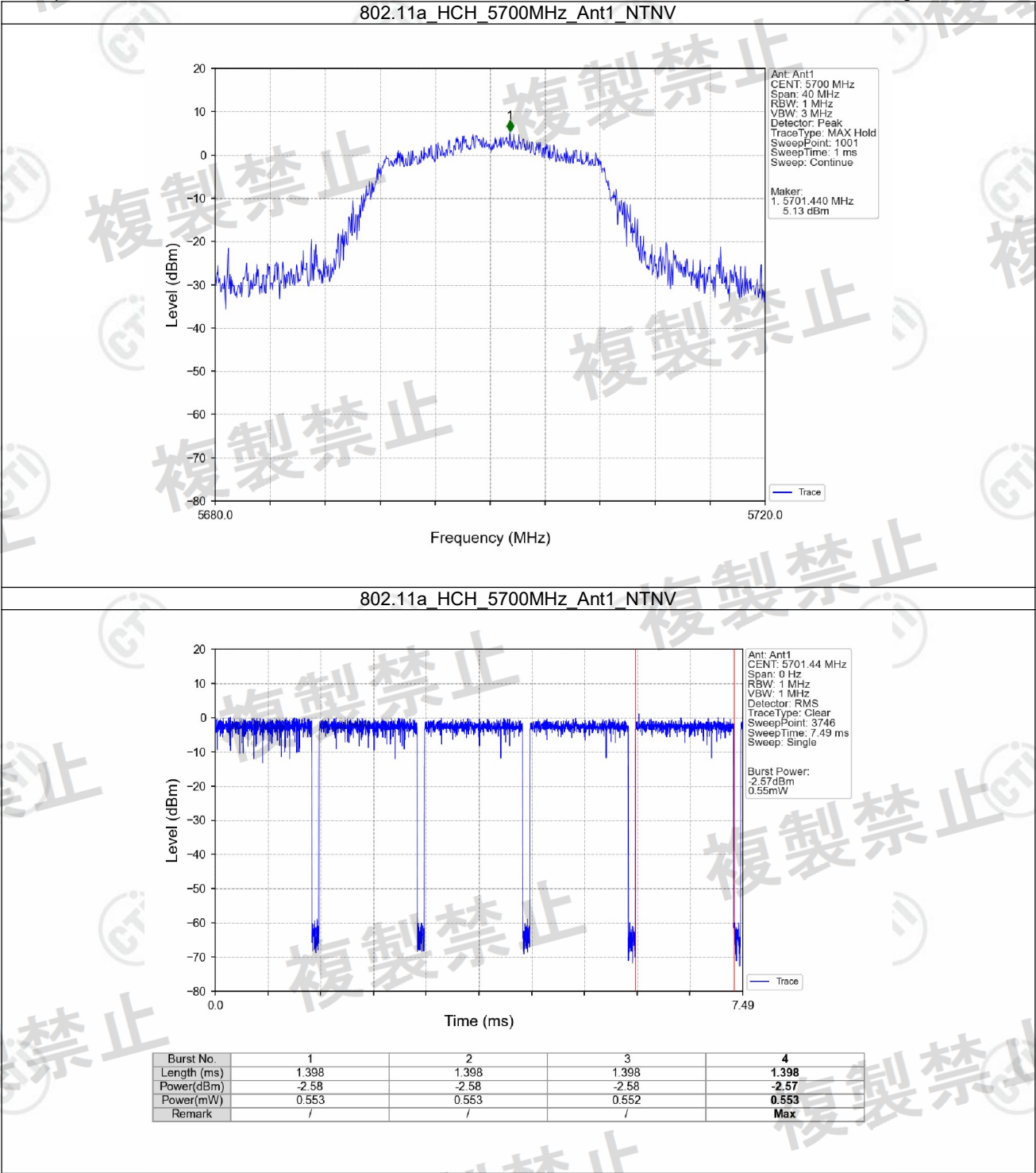
NTNV							
Mode	TX Type	Frequency (MHz)	ANT	Gain (dBi)	EIRP (mW/MHz)		Verdict
					Result	Limit	
802.11a	SISO	5500	1	4.45	2.08	<=25	Pass
		5600	1	4.45	1.67	<=25	Pass
		5700	1	4.45	1.54	<=25	Pass
		5720	1	4.45	1.75	<=25	Pass
802.11n (HT20)	SISO	5500	1	4.45	1.52	<=25	Pass
		5600	1	4.45	1.18	<=25	Pass
		5700	1	4.45	1.05	<=25	Pass
		5720	1	4.45	1.10	<=25	Pass
802.11ac (VHT20)	SISO	5500	1	4.45	1.40	<=25	Pass
		5600	1	4.45	1.15	<=25	Pass
		5700	1	4.45	0.92	<=25	Pass
		5720	1	4.45	1.09	<=25	Pass
802.11ac (VHT40)	SISO	5510	1	4.45	0.72	<=12.5	Pass
		5590	1	4.45	0.66	<=12.5	Pass
		5670	1	4.45	0.77	<=12.5	Pass
		5710	1	4.45	0.57	<=12.5	Pass
802.11ac (VHT80)	SISO	5530	1	4.45	0.31	<=6.25	Pass
		5610	1	4.45	0.30	<=6.25	Pass
		5690	1	4.45	0.27	<=6.25	Pass

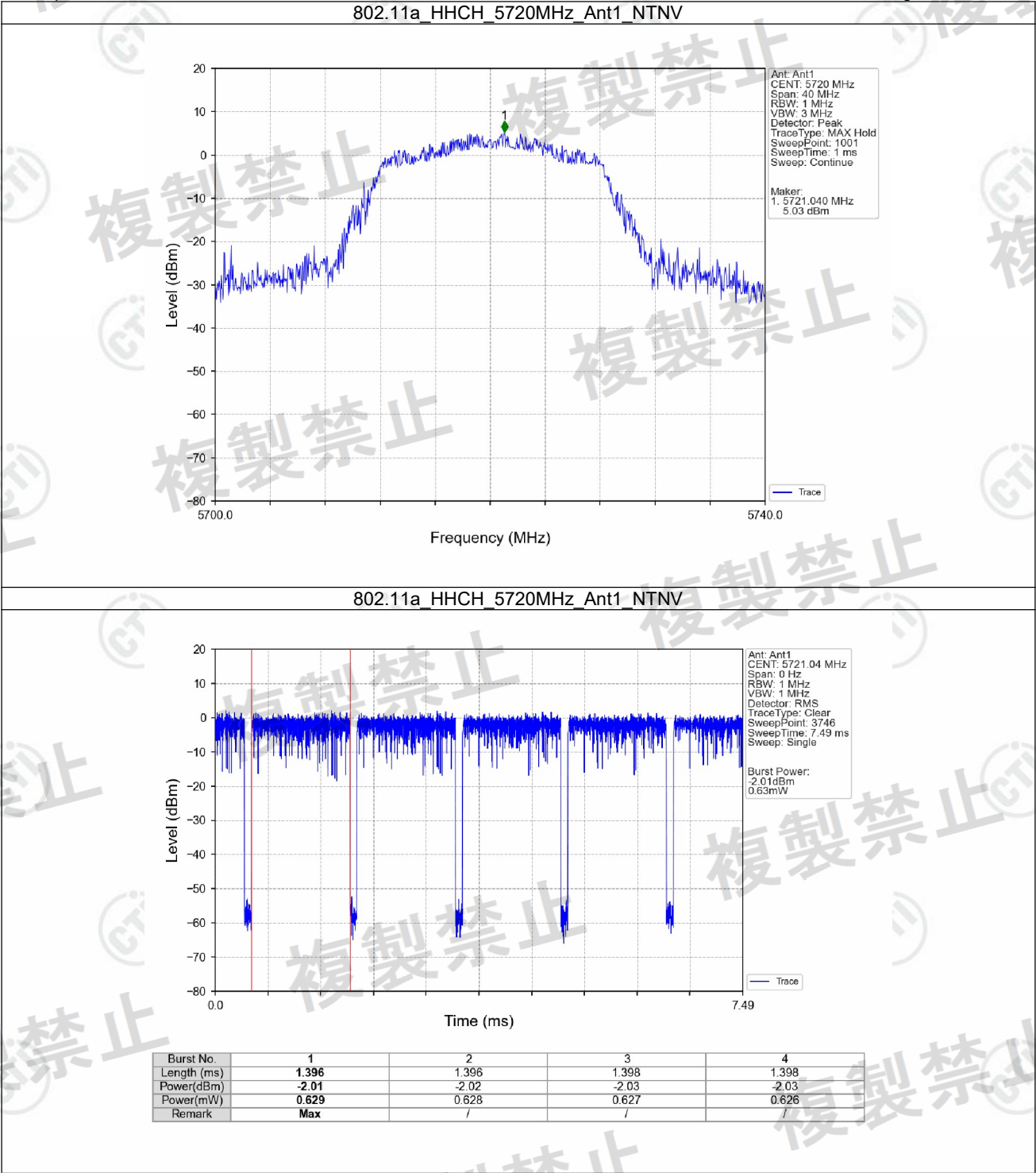
3.2 Test Graph

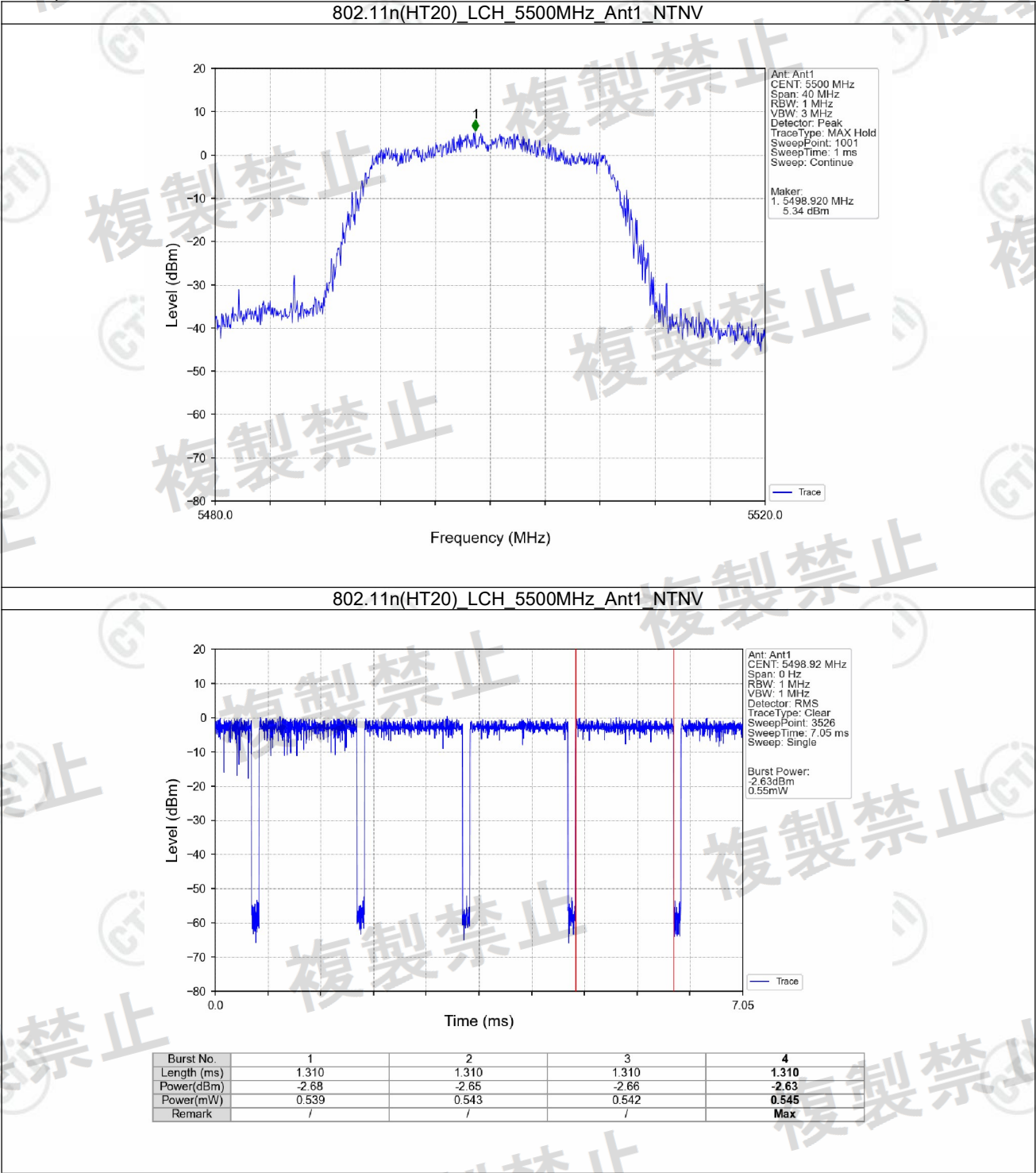
3.2.1 Power_NTNV

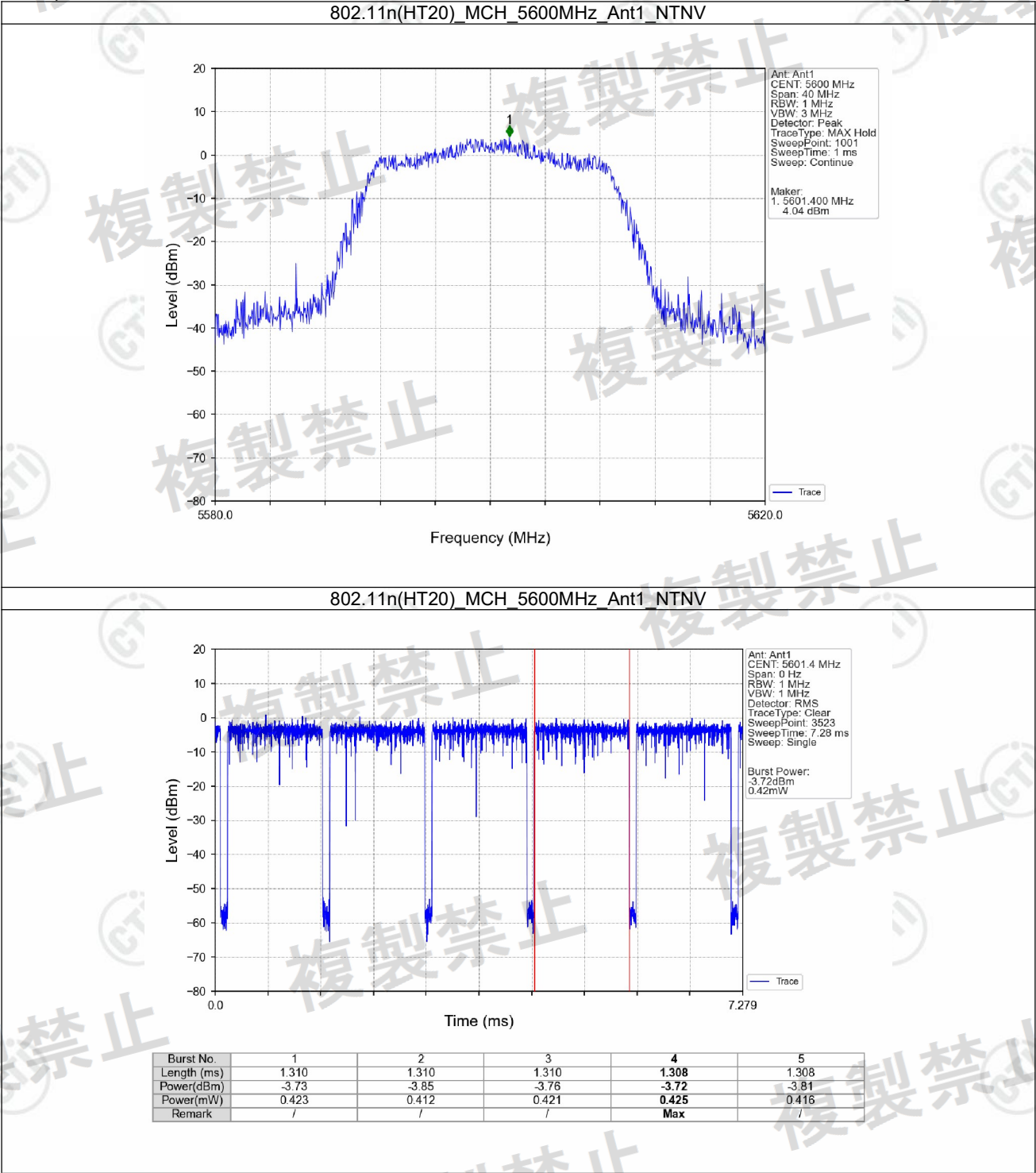


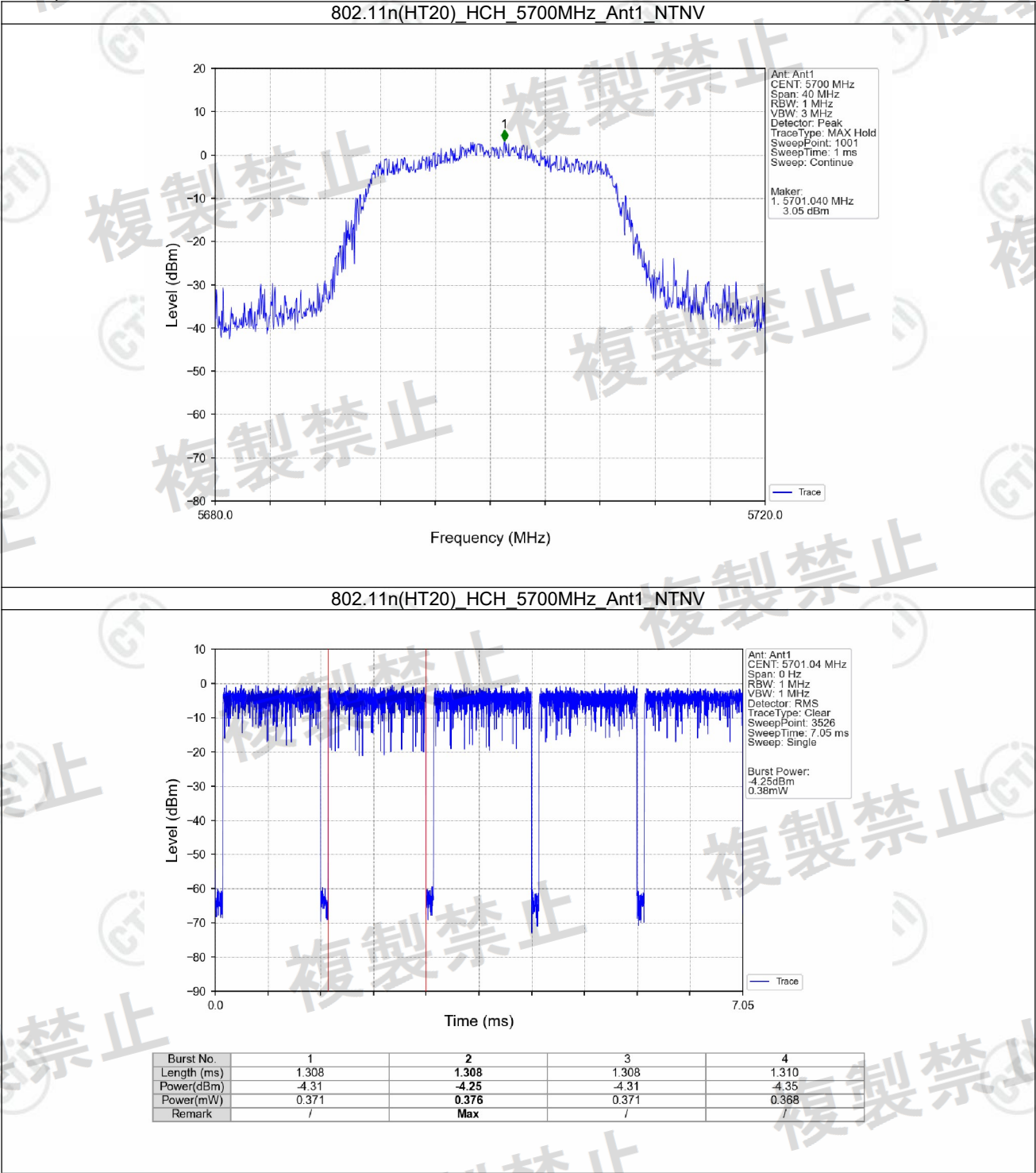


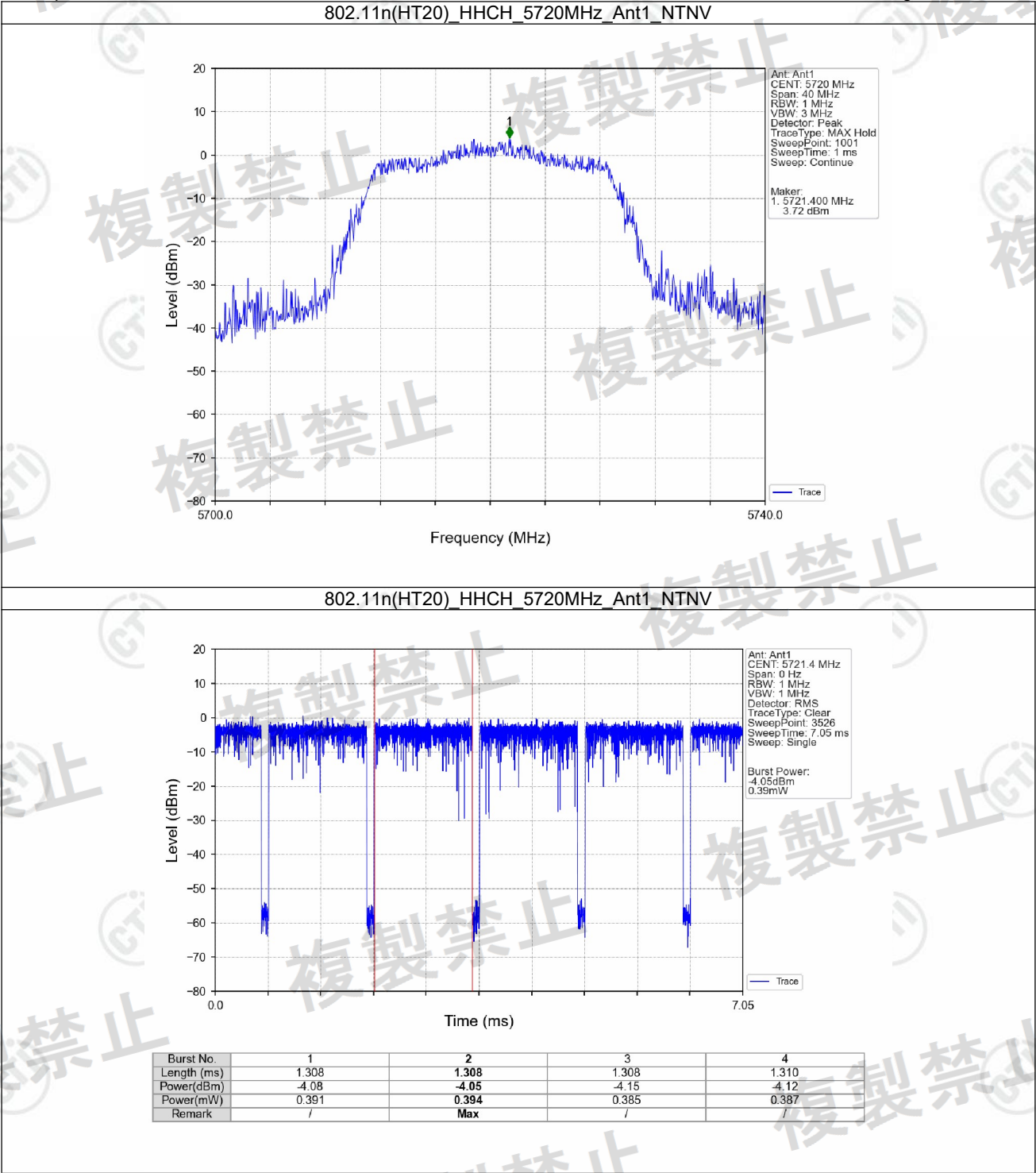


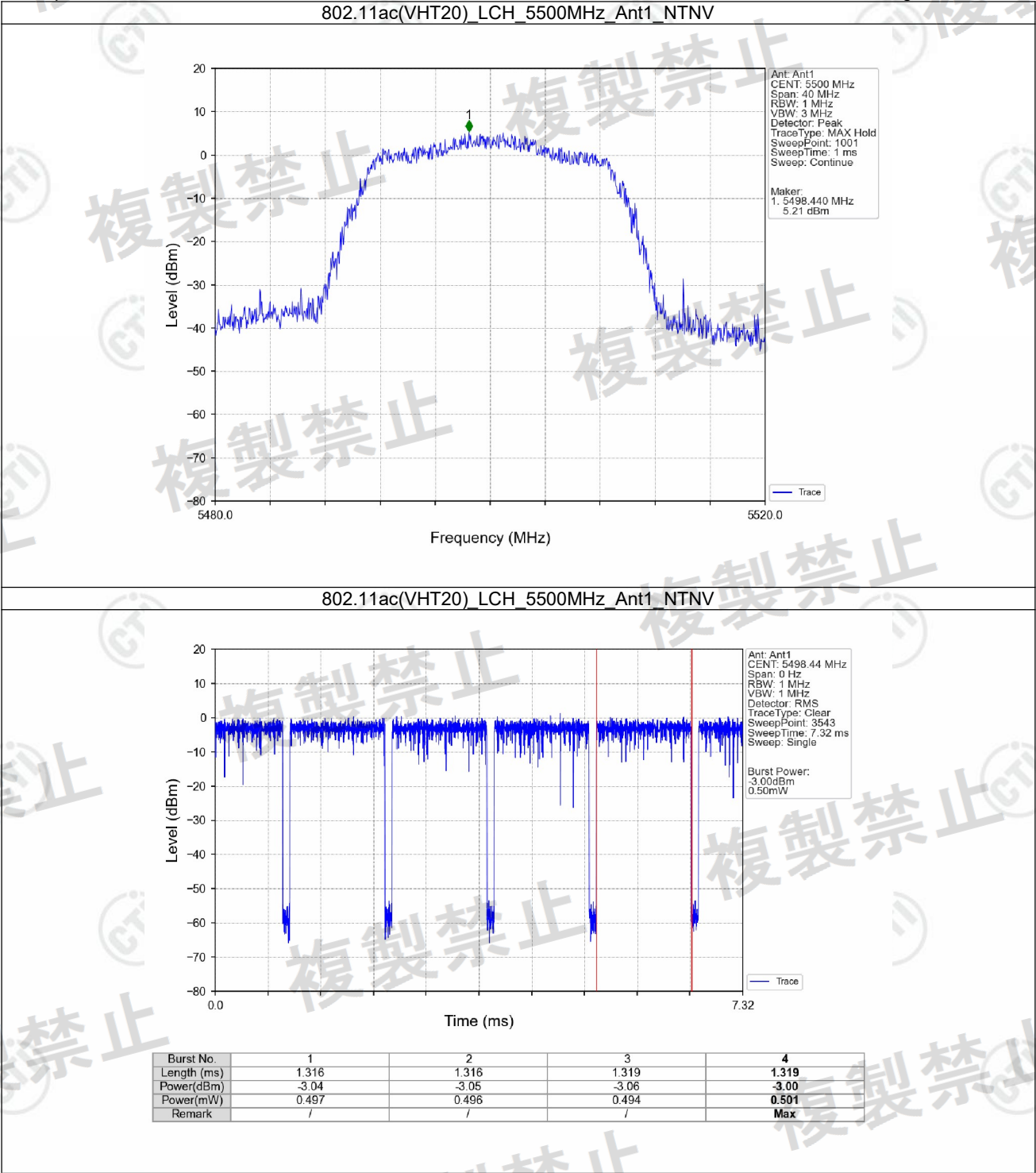


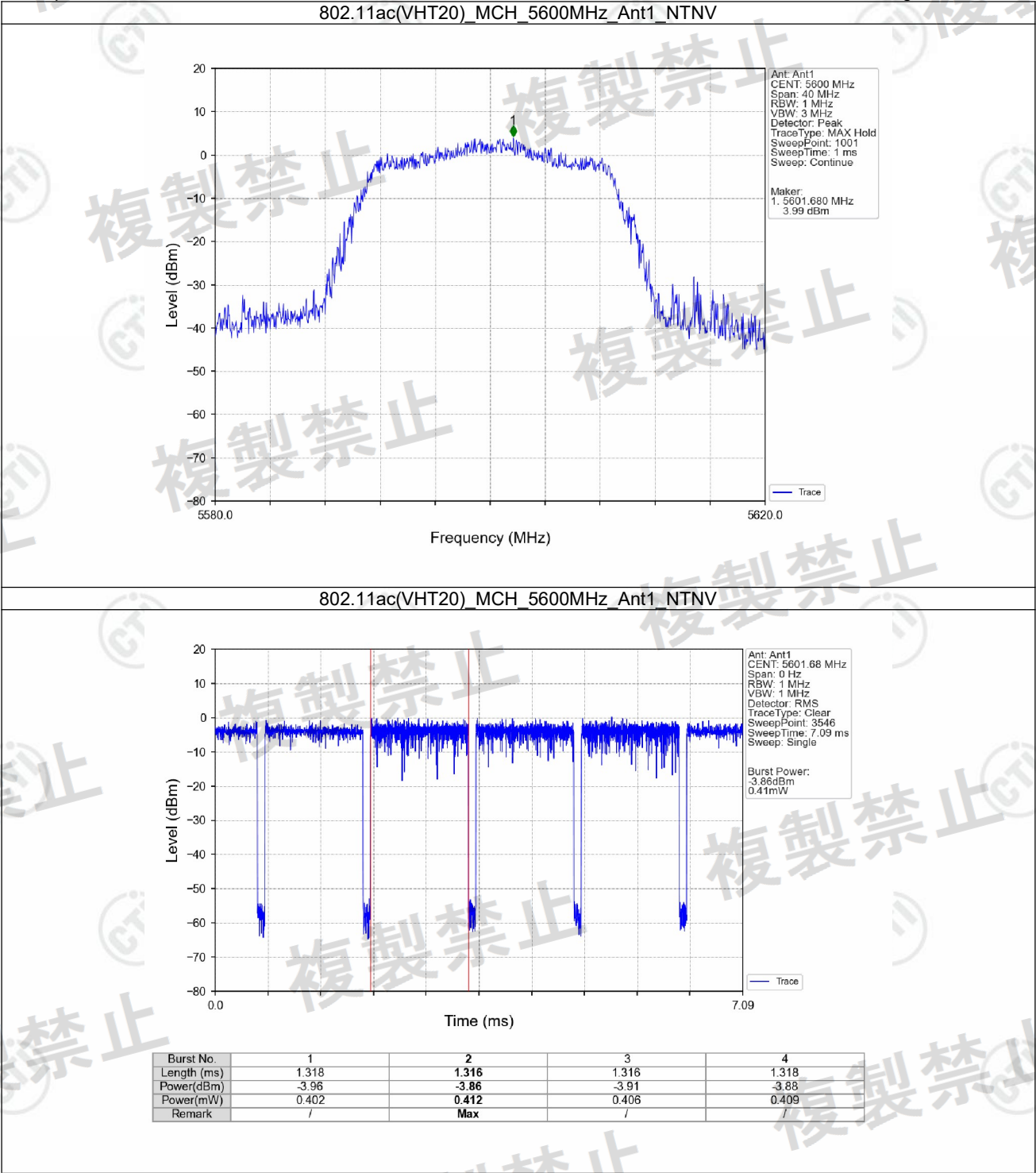


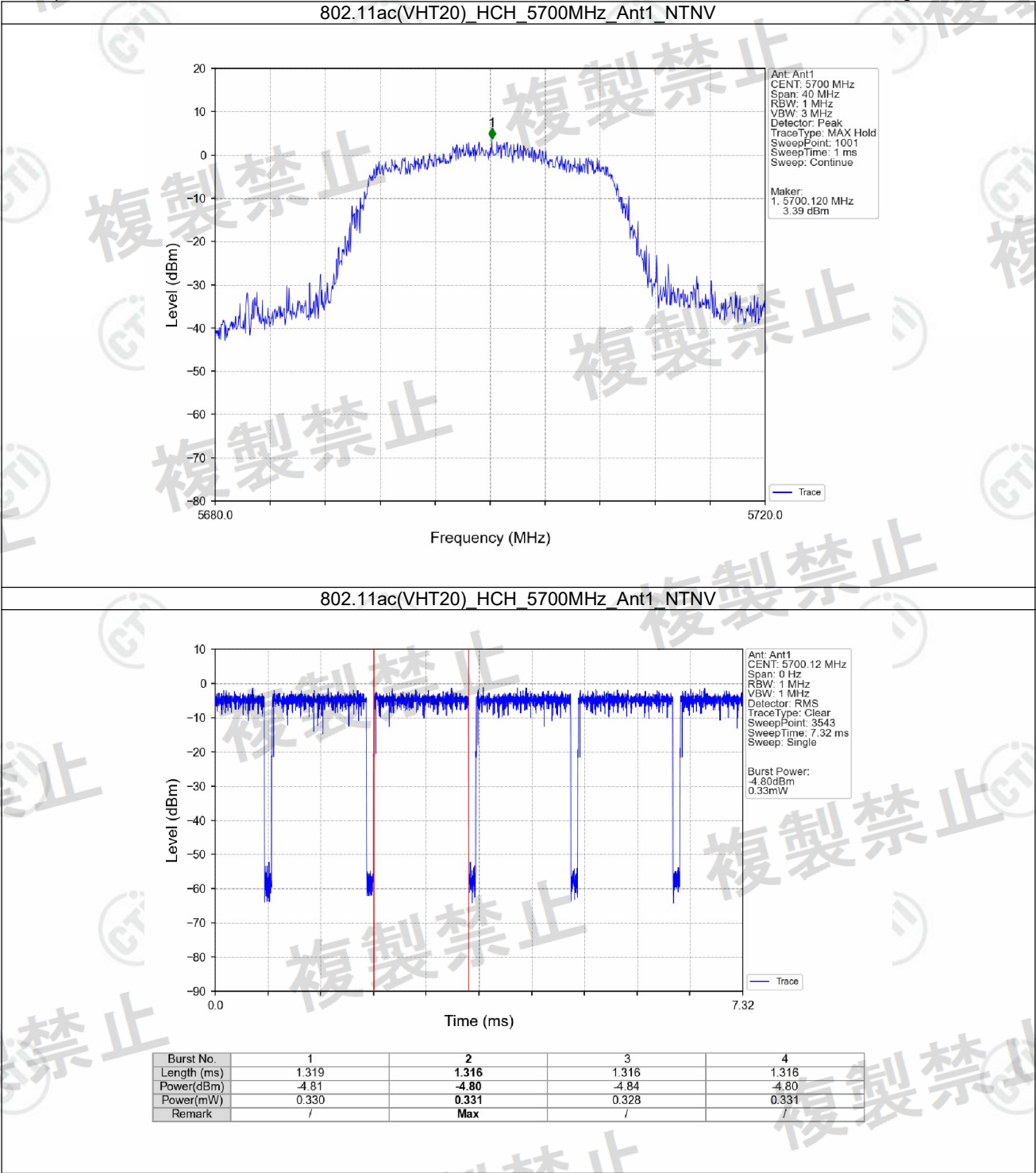




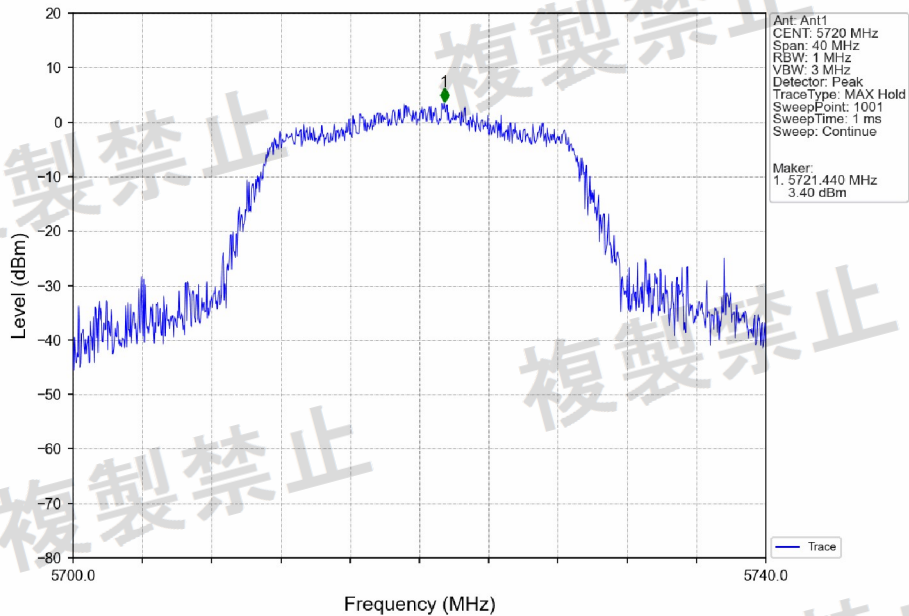




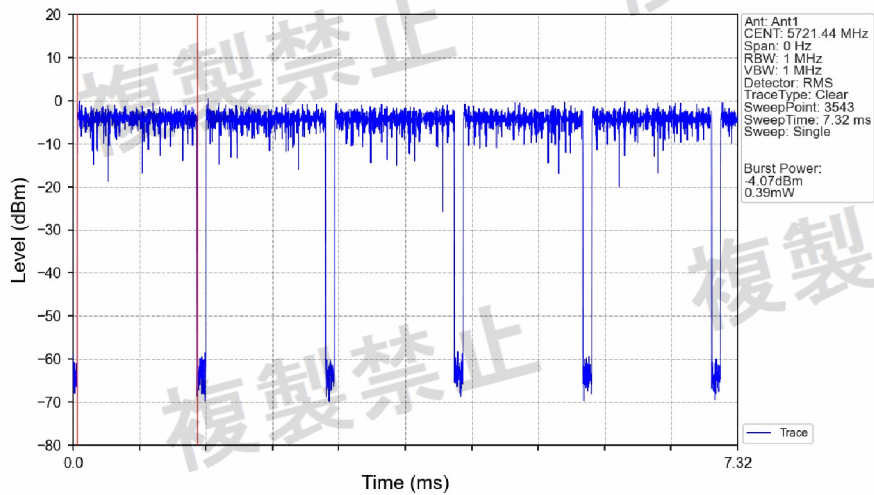




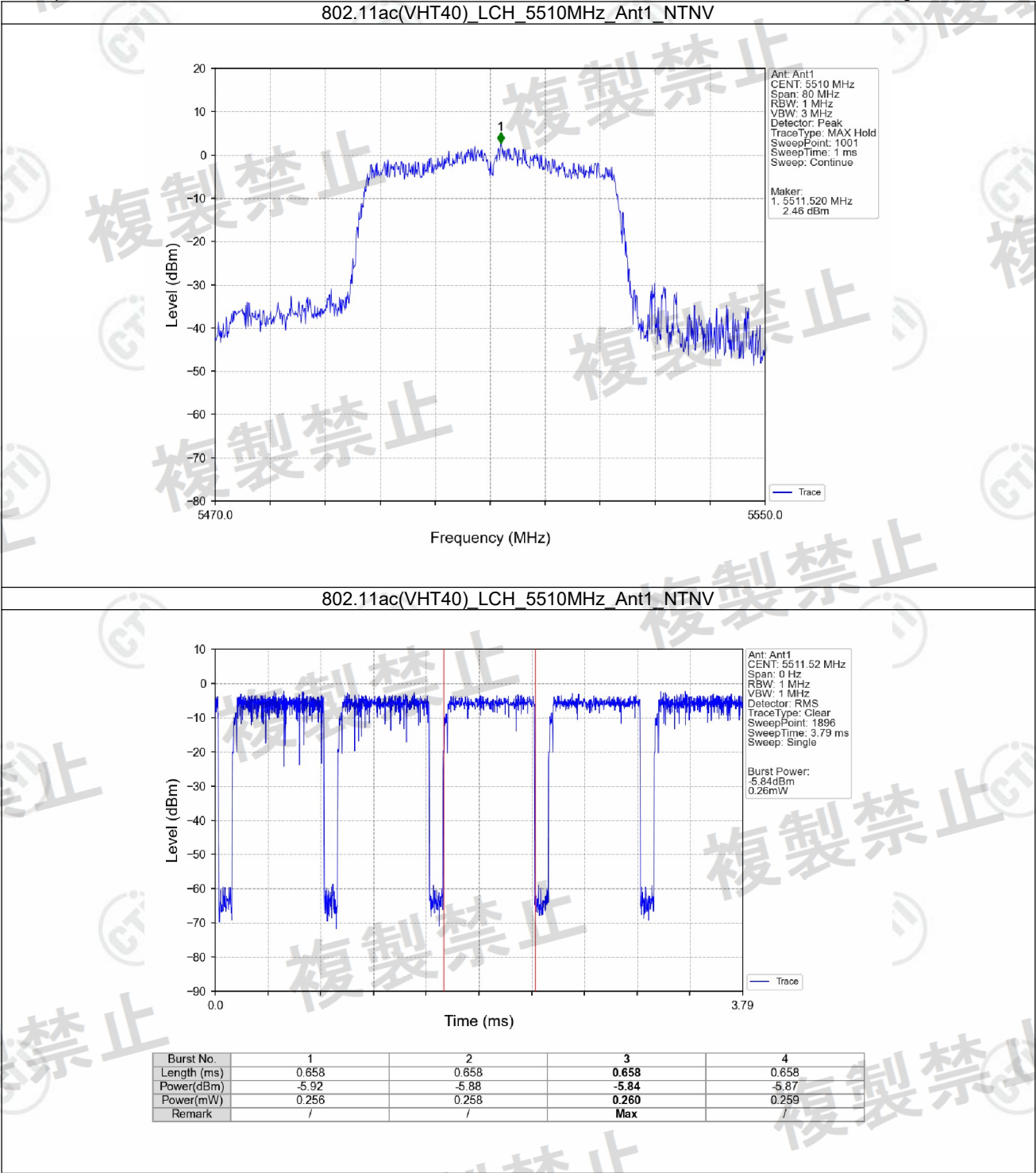
802.11ac(VHT20)_HHCH_5720MHz_Ant1_NTNV



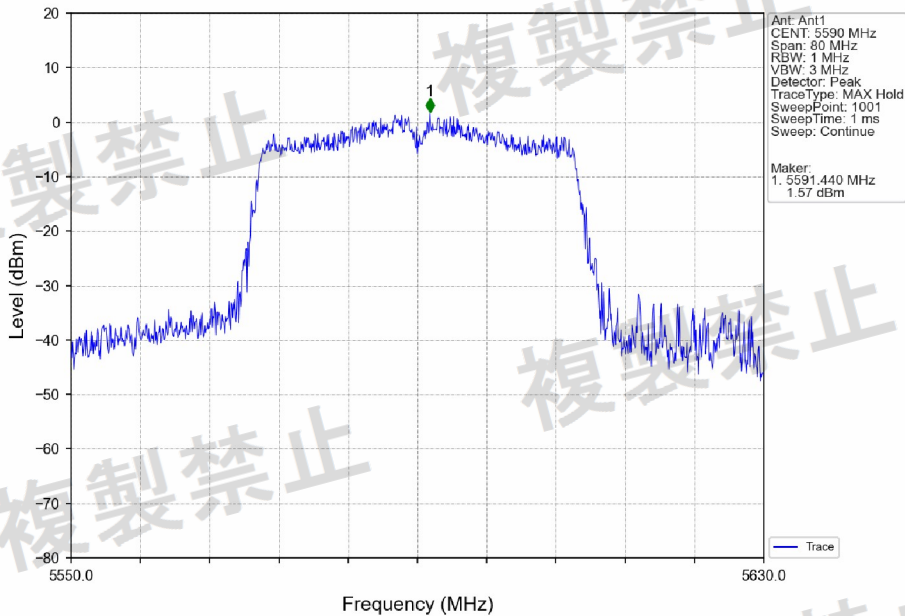
802.11ac(VHT20)_HHCH_5720MHz_Ant1_NTNV



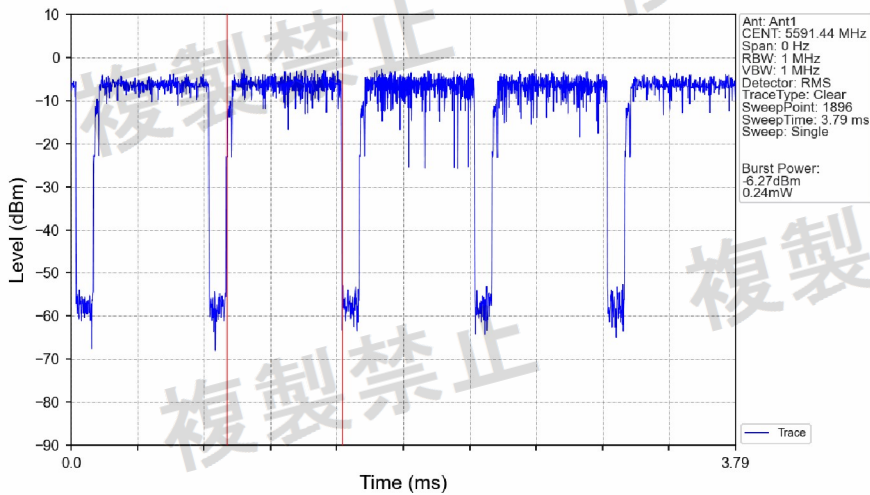
Burst No	1	2	3	4	5
Length (ms)	1.319	1.316	1.316	1.316	1.319
Power(dBm)	-4.07	-4.10	-4.13	-4.11	-4.12
Power(mW)	0.392	0.389	0.386	0.388	0.387
Remark	Max	/	/	/	/



802.11ac(VHT40)_MCH_5590MHz_Ant1_NTNV

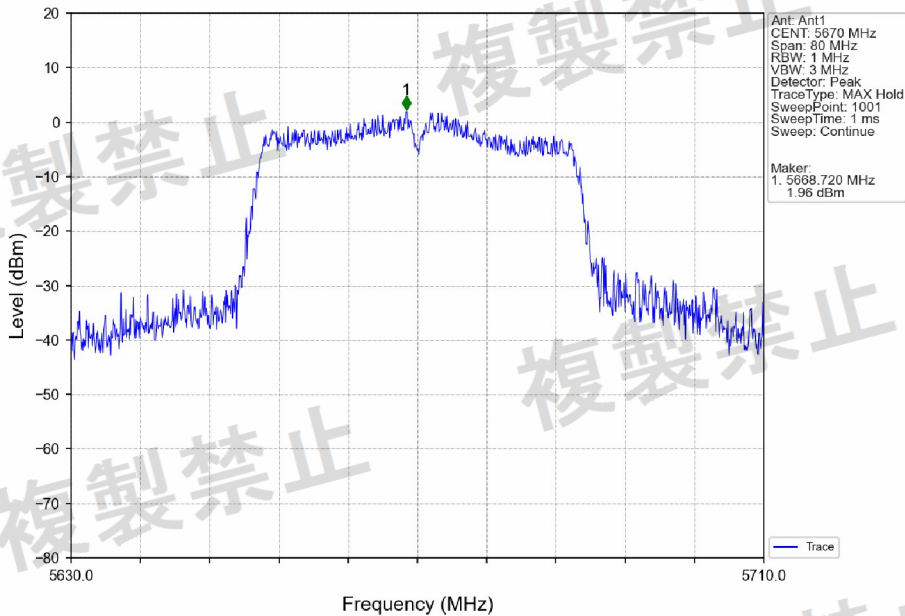


802.11ac(VHT40)_MCH_5590MHz_Ant1_NTNV

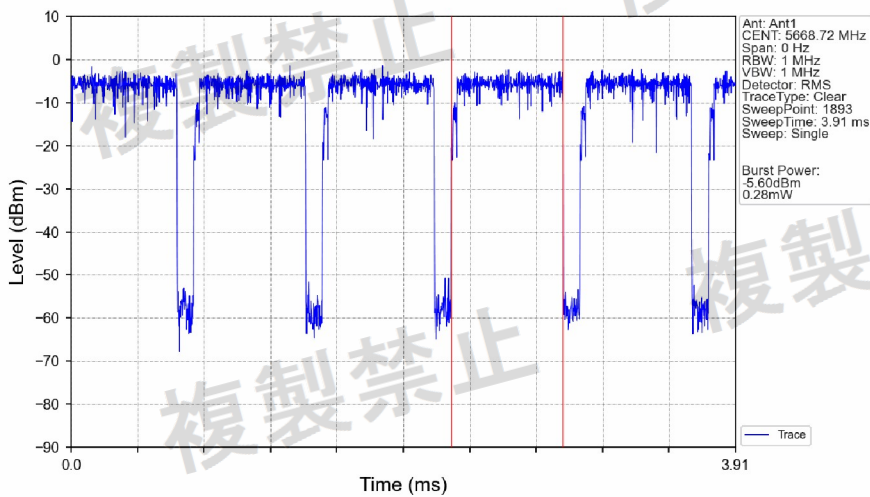


Burst No	1	2	3	4
Length (ms)	0.658	0.658	0.658	0.656
Power(dBm)	-6.47	-6.27	-6.42	-6.51
Power(mW)	0.225	0.236	0.228	0.223
Remark	/	Max	/	

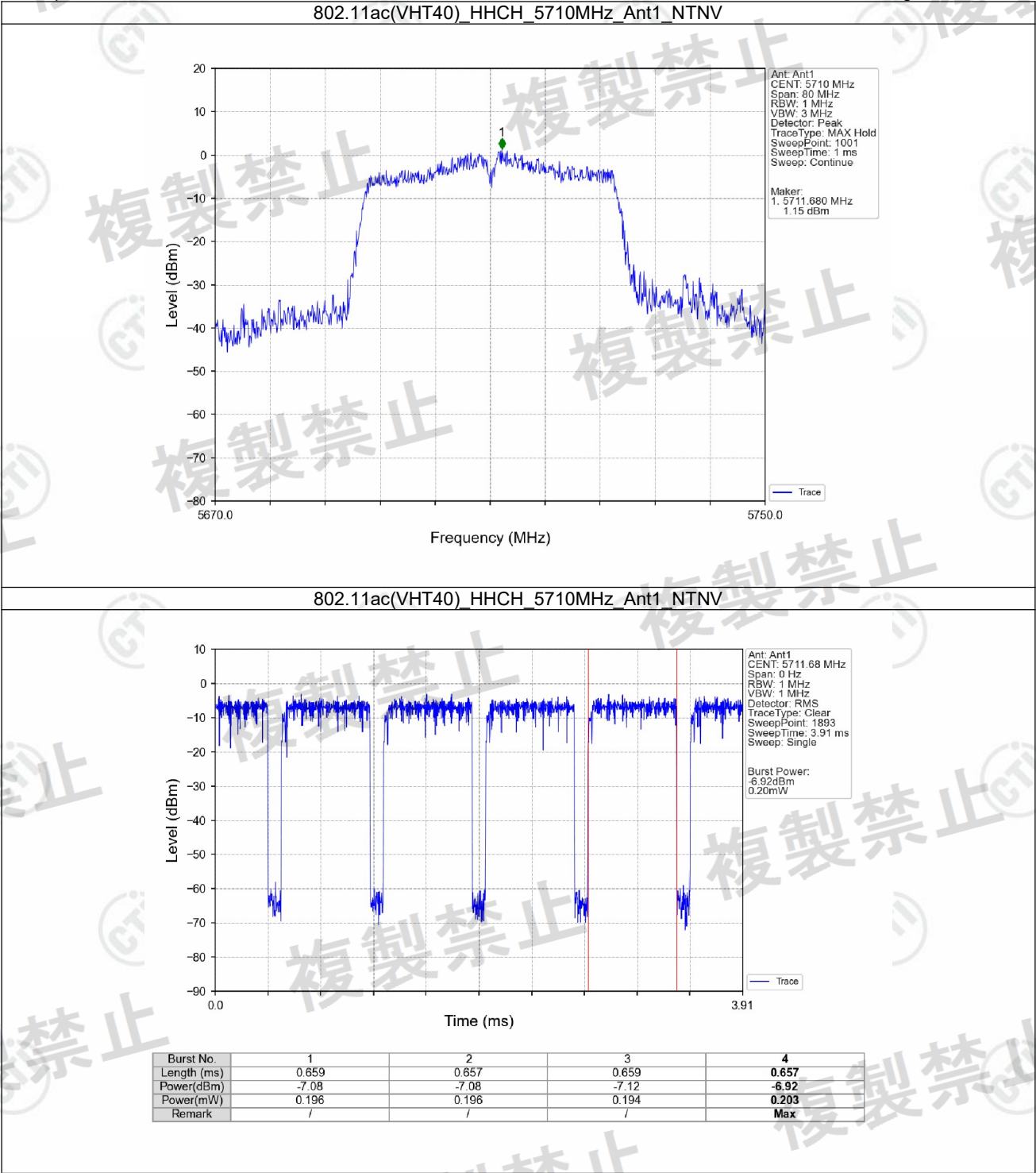
802.11ac(VHT40)_HCH_5670MHz_Ant1_NTNV



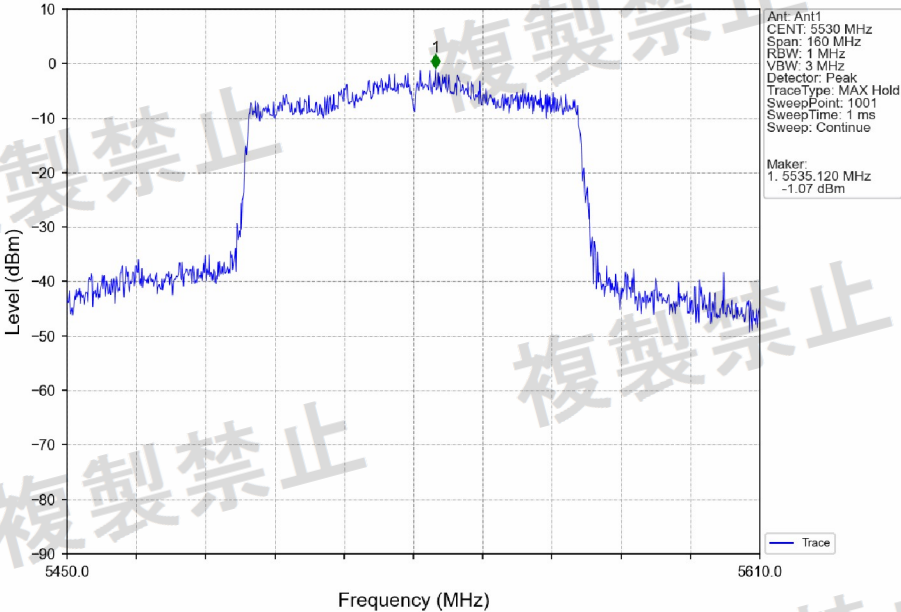
802.11ac(VHT40)_HCH_5670MHz_Ant1_NTNV



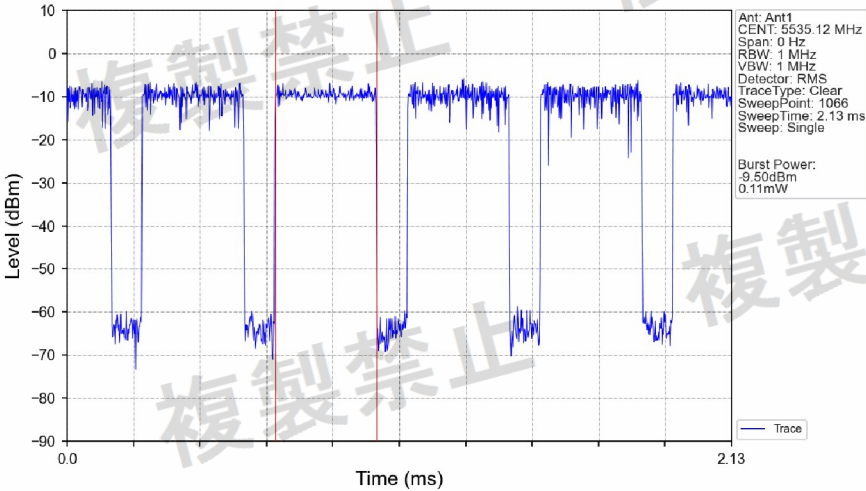
Burst No	1	2	3	4
Length (ms)	0.657	0.659	0.657	0.657
Power(dBm)	-5.75	-5.68	-5.60	-5.71
Power(mW)	0.266	0.270	0.276	0.269
Remark	/	/	Max	/



802.11ac(VHT80) LCH_5530MHz_Ant1_NTNV



802.11ac(VHT80) LCH_5530MHz_Ant1_NTNV



Burst No	1	2	3	4
Length (ms)	0.328	0.326	0.326	0.326
Power(dBm)	-9.55	-9.50	-9.51	-9.55
Power(mW)	0.111	0.112	0.112	0.111
Remark	/	Max	/	