



Shenzhen CTL Testing Technology Co., Ltd.

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Annex for Bluetooth

Test Report No.: CTL2511213011-MIC

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7.2.3 RxSe_NTHV 107

MIC: 219-259748

1. Frequency Error

1.1 Test Result

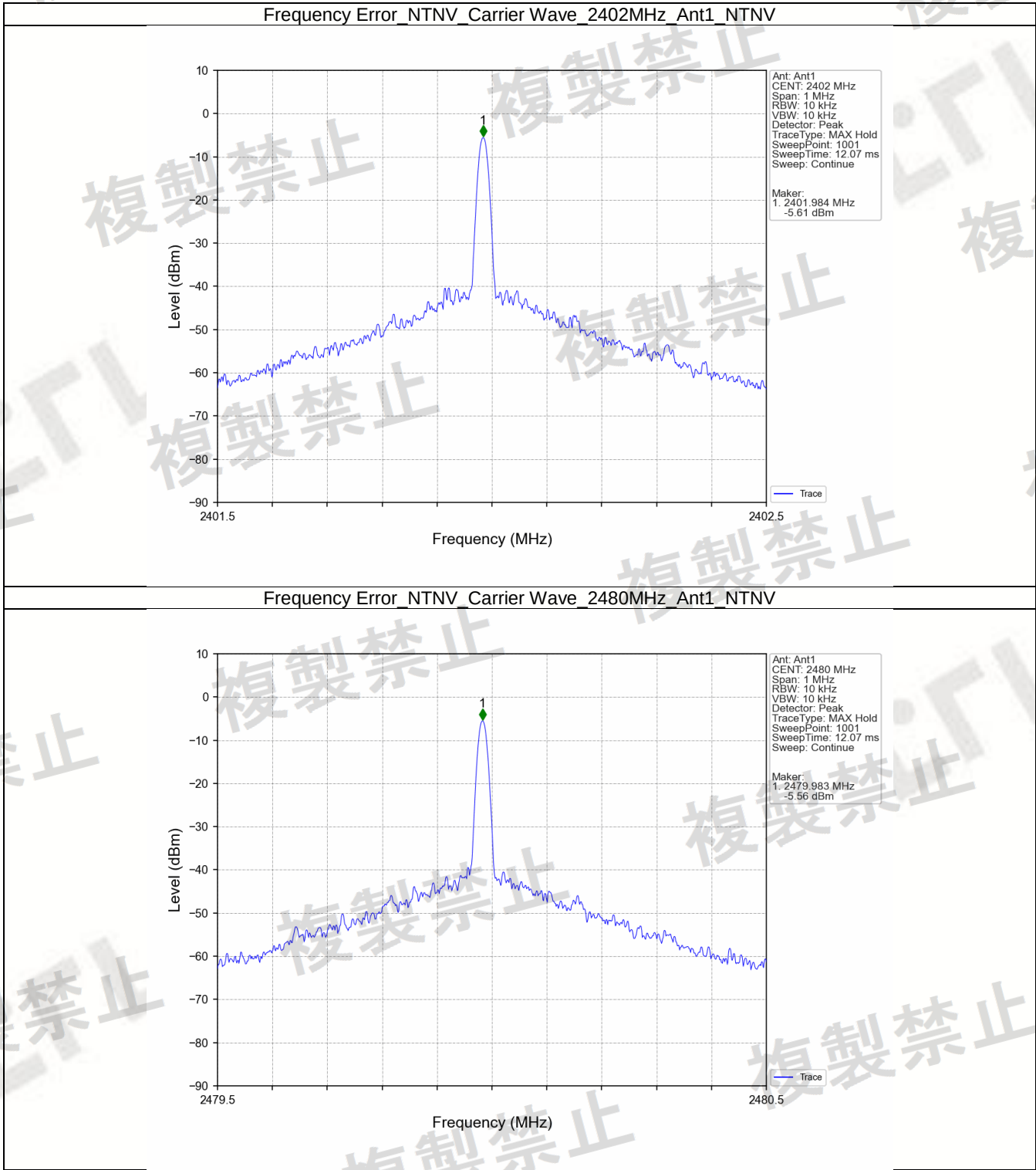
1.1.1 Ant1

Ant1								
ENV	Mode	TX Type	Frequency (MHz)	Packet Type	Measured Frequency (MHz)	Tolerance (ppm)		Verdict
						Result	Limit	
NTNV	Carrier Wave	SISO	2402	DH5	2401.984	-6.66	-50 to 50	Pass
			2480	DH5	2479.983	-6.85	-50 to 50	Pass
NTLV	Carrier Wave	SISO	2402	DH5	2401.984	-6.66	-50 to 50	Pass
			2480	DH5	2479.983	-6.85	-50 to 50	Pass
NTHV	Carrier Wave	SISO	2402	DH5	2401.984	-6.66	-50 to 50	Pass
			2480	DH5	2479.983	-6.85	-50 to 50	Pass

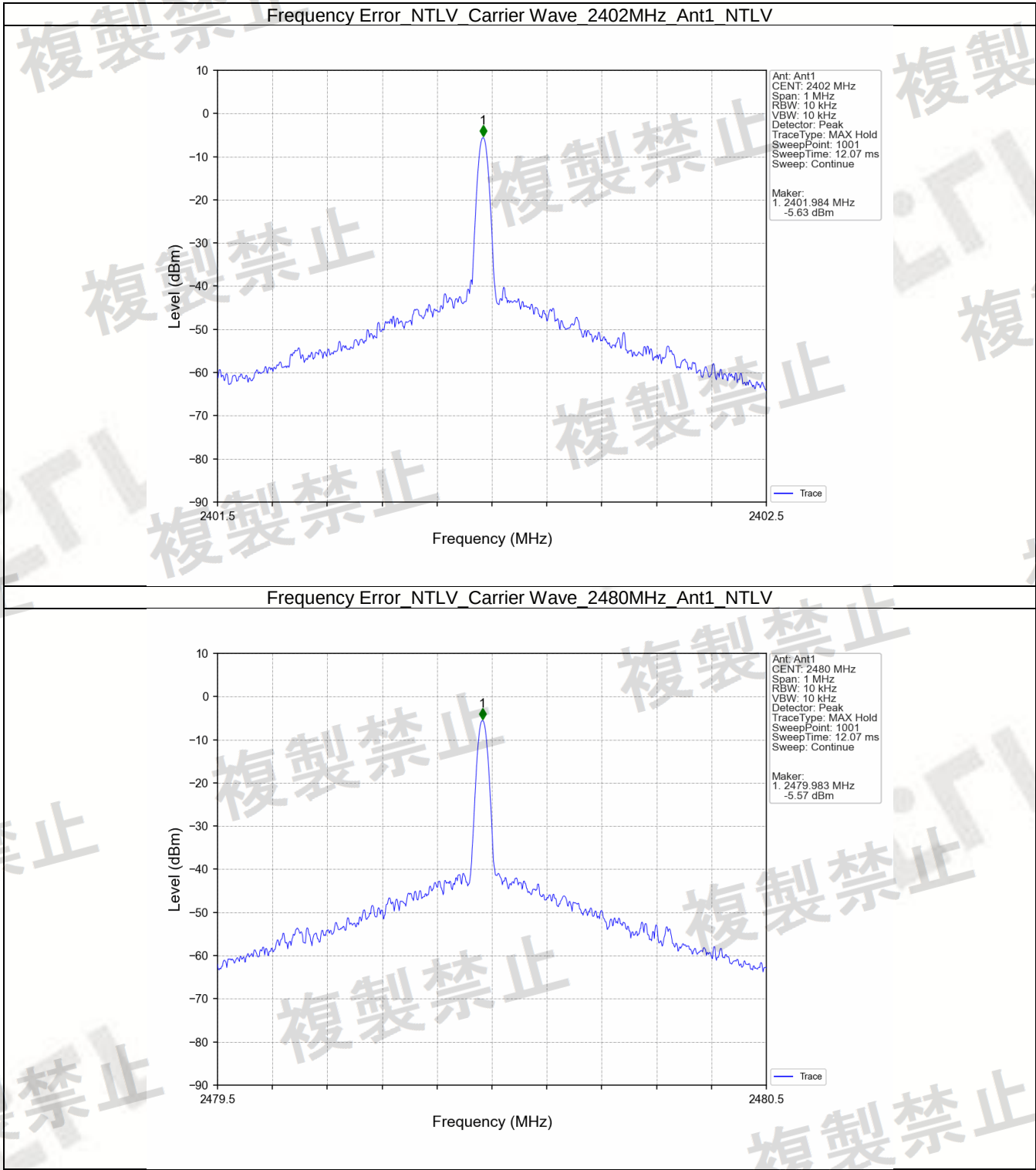
MIC: 219-259748

1.2 Test Graph

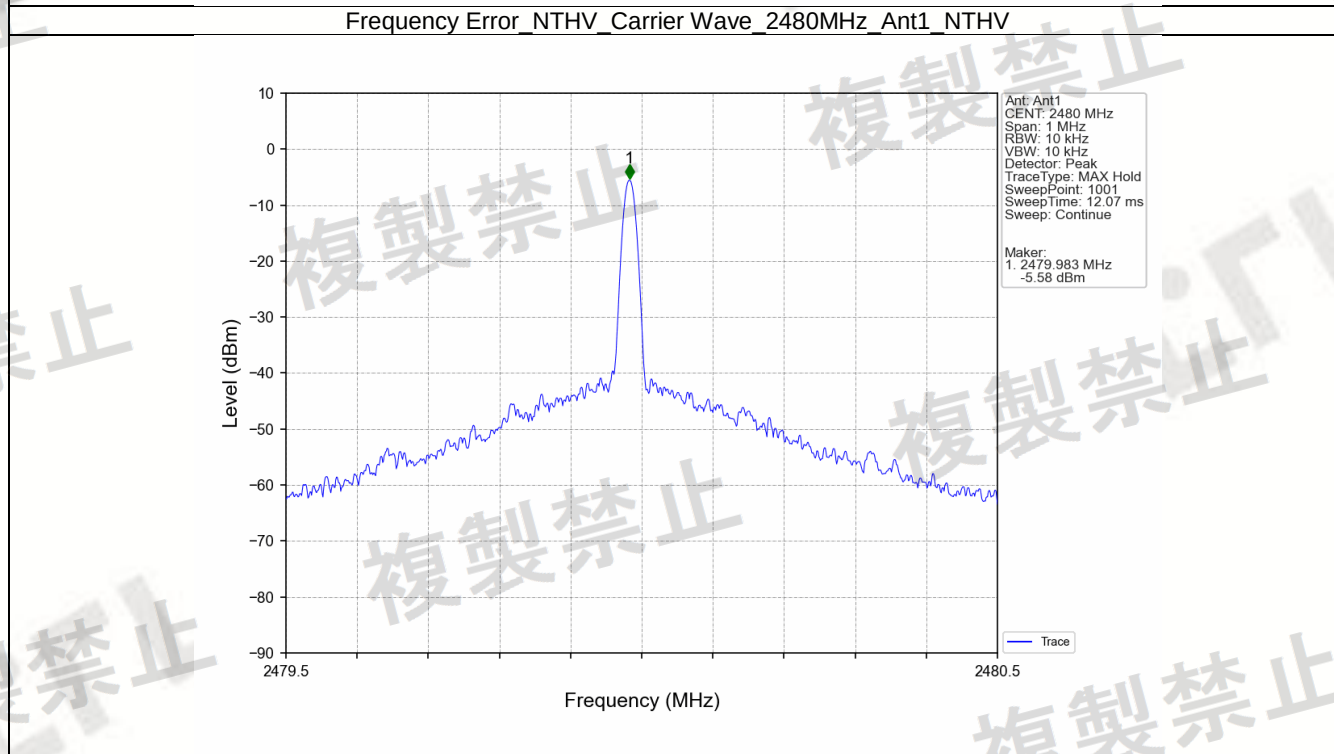
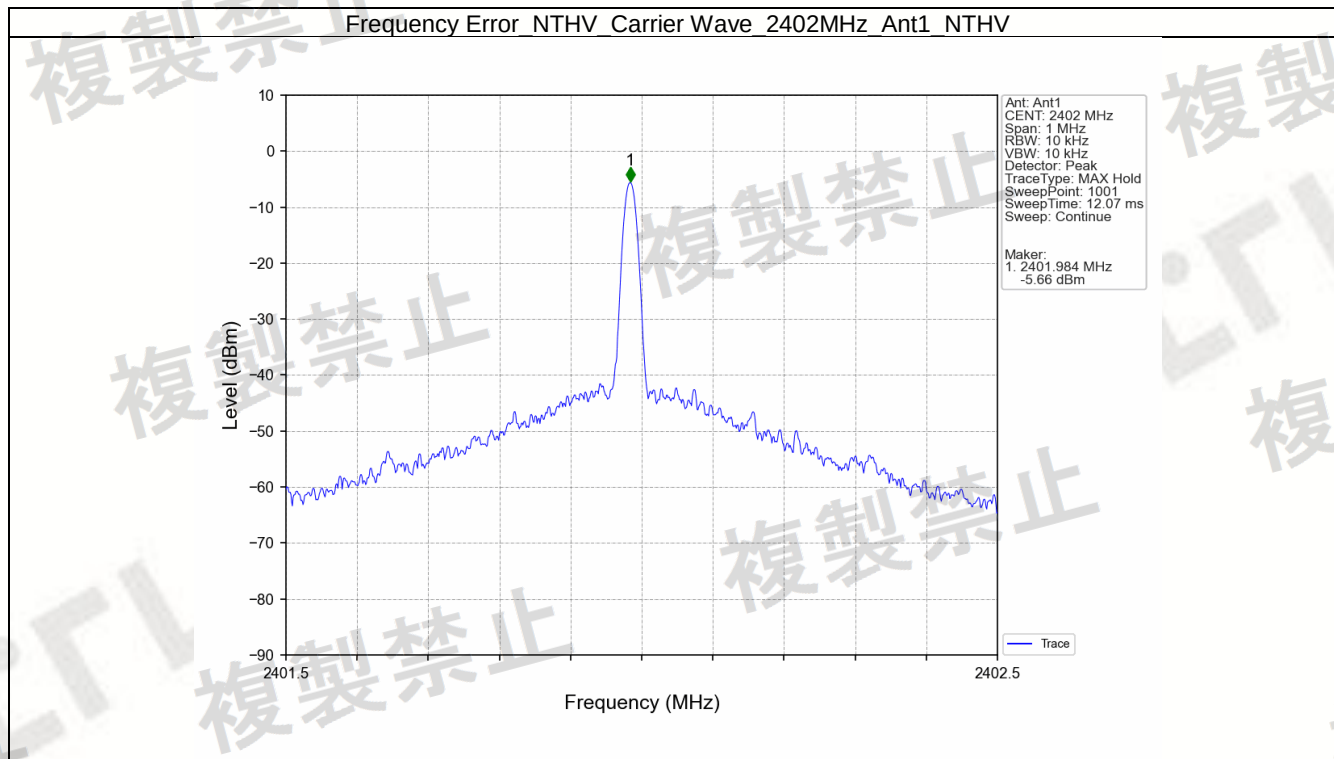
1.2.1 Ant1



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2. Occupied Bandwidth

2.1 Test Result

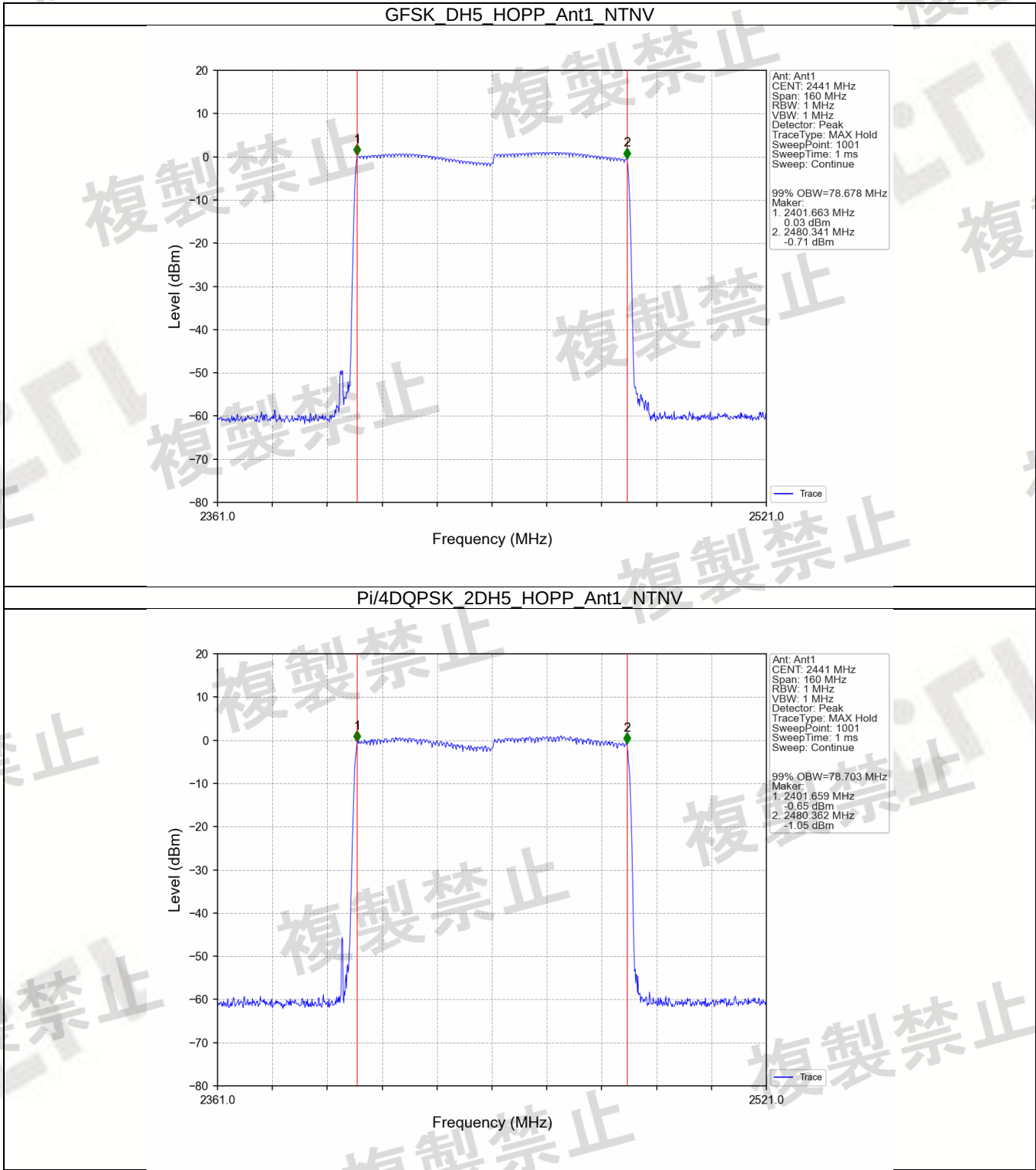
2.1.1 OBW

ENV	Mode	TX Type	Frequency (MHz)	Packet Type	99% Occupied Bandwidth (MHz)		Verdict
					ANT1	Limit	
NTNV	GFSK	SISO	HOPP	DH5	78.678	<=83.5	Pass
	Pi/4DQPSK	SISO	HOPP	2DH5	78.703	<=83.5	Pass
	8DPSK	SISO	HOPP	3DH5	78.667	<=83.5	Pass
NTLV	GFSK	SISO	HOPP	DH5	78.675	<=83.5	Pass
	Pi/4DQPSK	SISO	HOPP	2DH5	78.715	<=83.5	Pass
	8DPSK	SISO	HOPP	3DH5	78.732	<=83.5	Pass
NTHV	GFSK	SISO	HOPP	DH5	78.681	<=83.5	Pass
	Pi/4DQPSK	SISO	HOPP	2DH5	78.734	<=83.5	Pass
	8DPSK	SISO	HOPP	3DH5	78.740	<=83.5	Pass

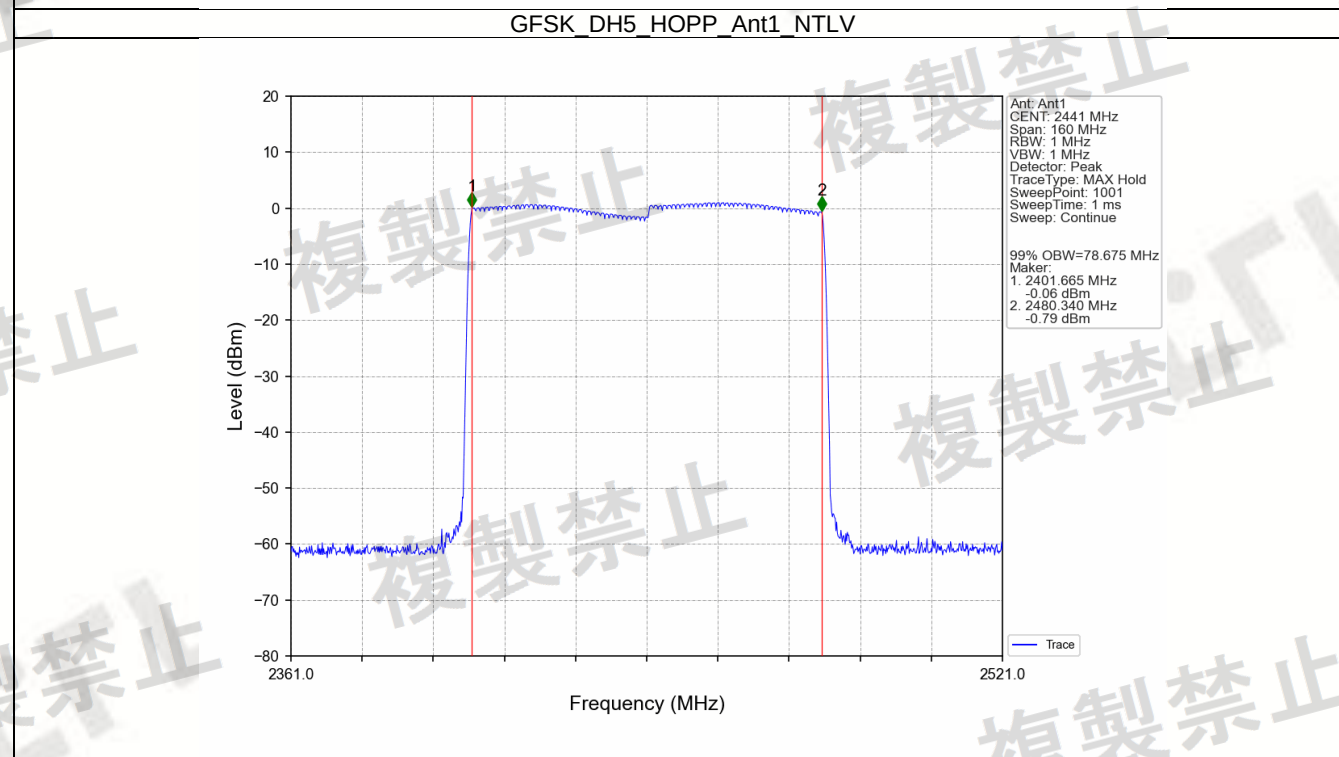
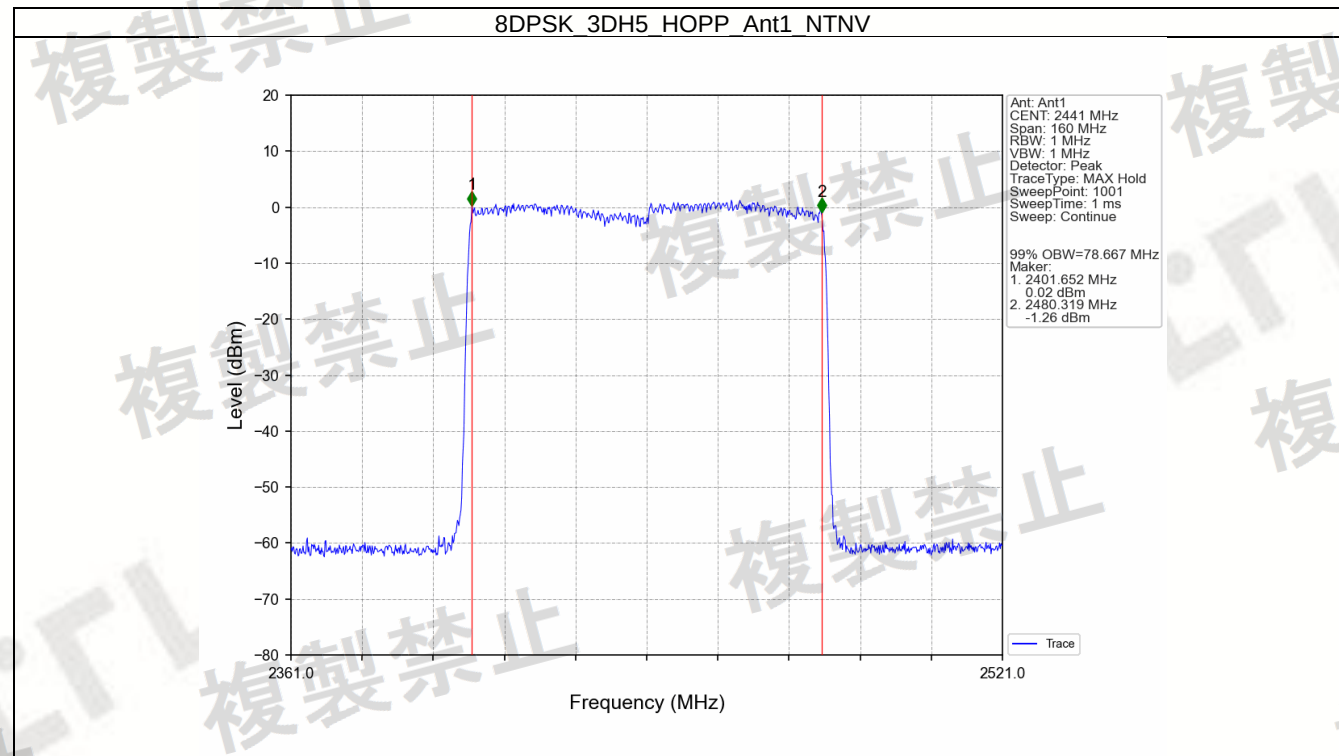
MIC: 219-259748

2.2 Test Graph

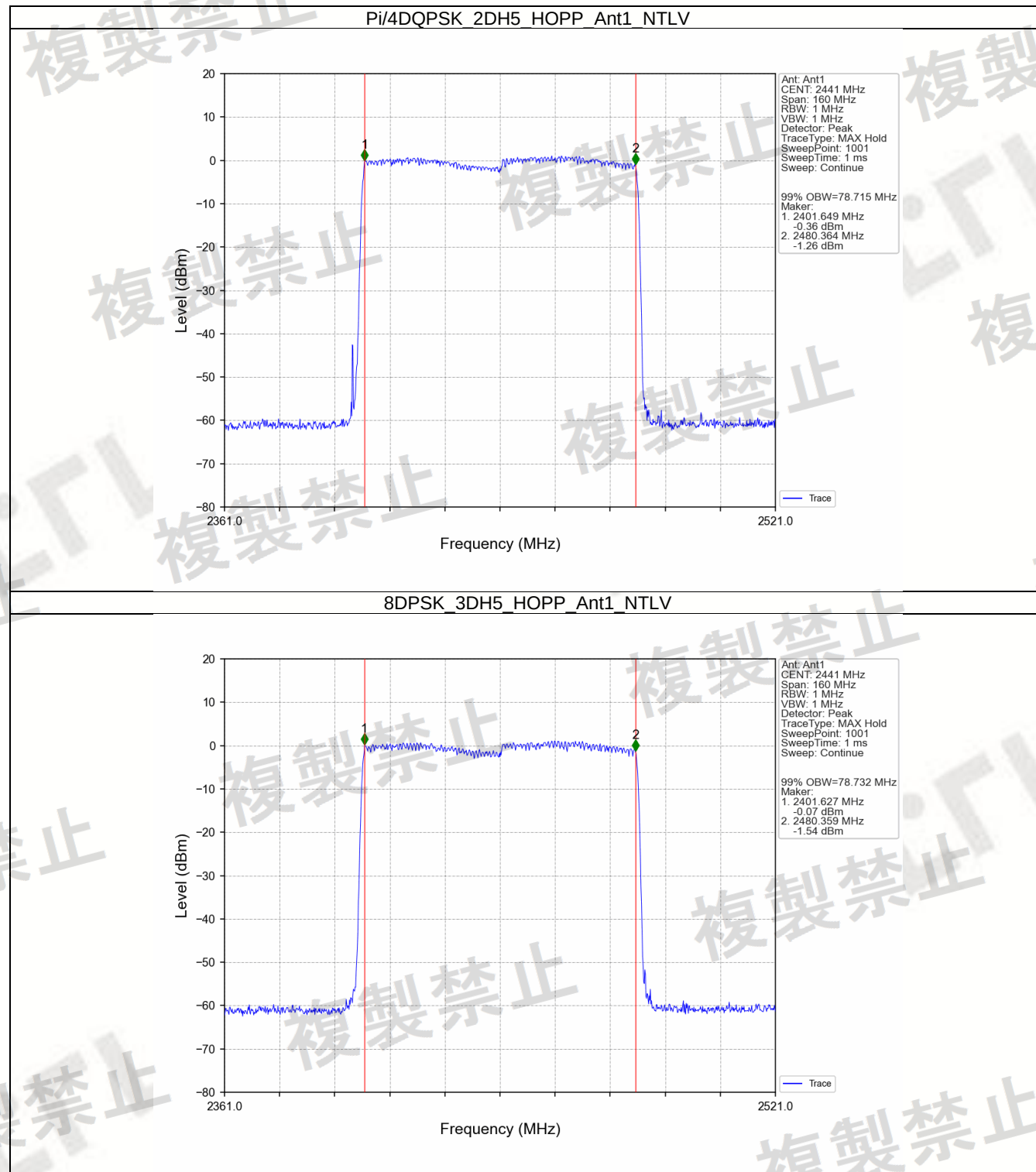
2.2.1 OBW



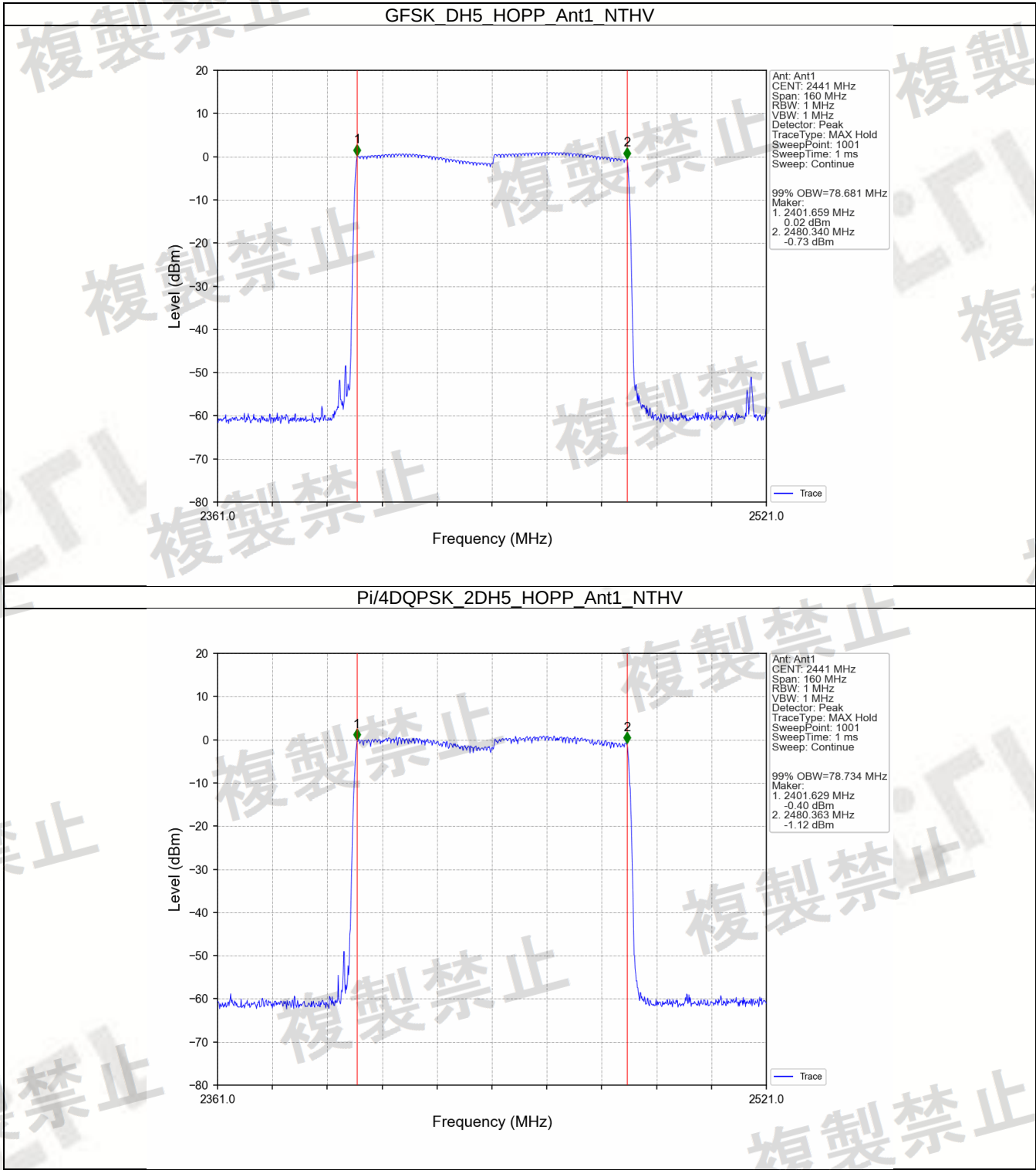
MIC: 219-259748



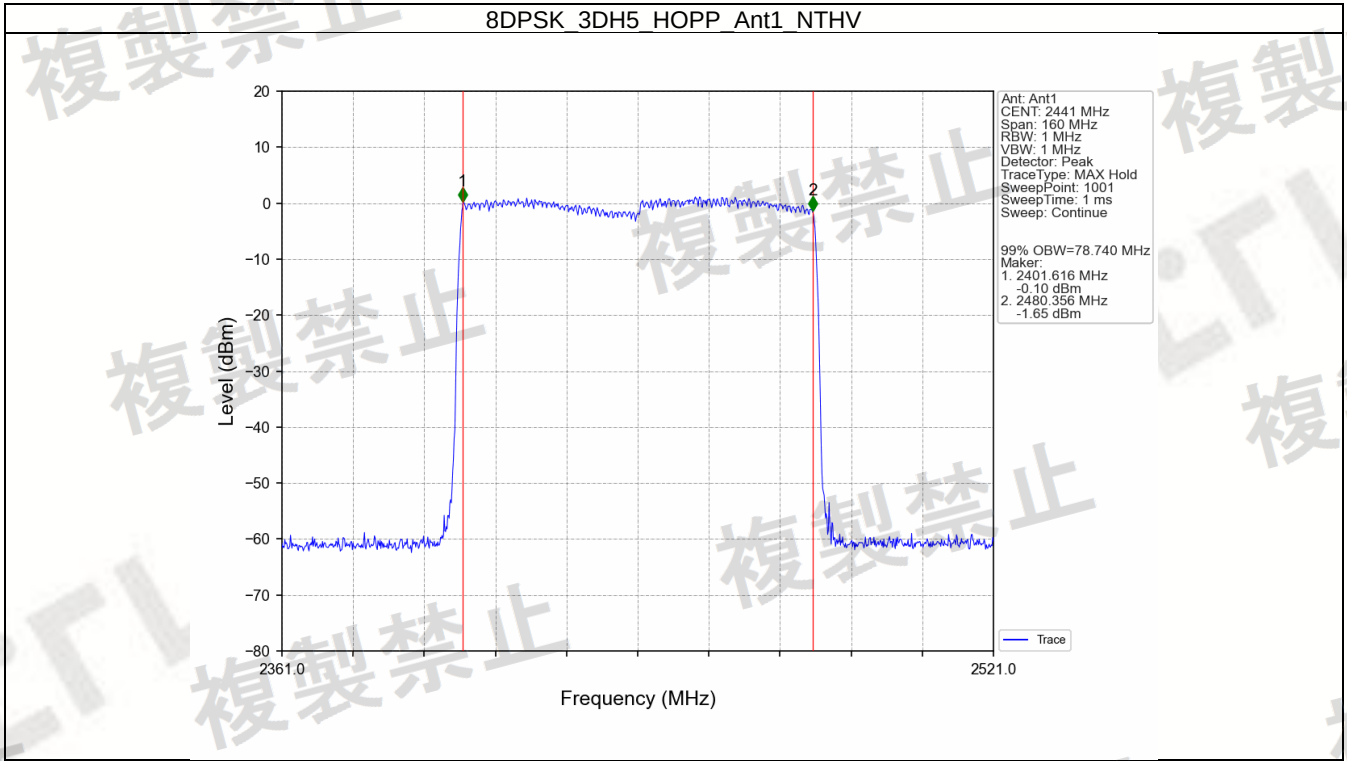
MIC: 219-259748



MIC: 219-259748



MIC: 219-259748



MIC: 219-259748

3. Spread Bandwidth

3.1 Test Result

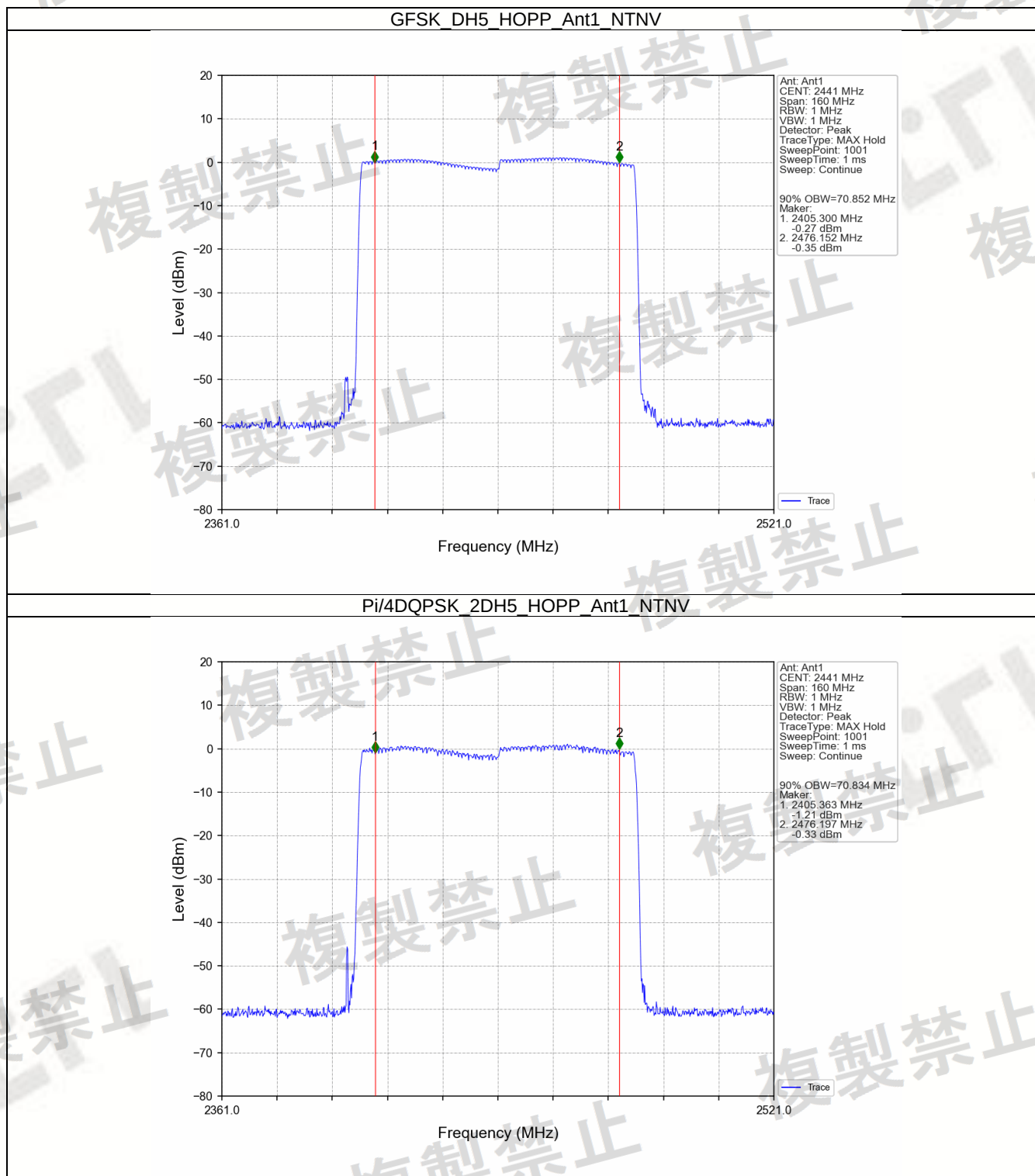
3.1.1 SPBW

ENV	Mode	TX Type	Frequency (MHz)	Packet Type	Spread Bandwidth (MHz)		Verdict
					ANT1	Limit	
NTNV	GFSK	SISO	HOPP	DH5	70.852	/	Only For Report
	Pi/4DQPSK	SISO	HOPP	2DH5	70.834	/	Only For Report
	8DPSK	SISO	HOPP	3DH5	70.701	/	Only For Report
NTLV	GFSK	SISO	HOPP	DH5	70.847	/	Only For Report
	Pi/4DQPSK	SISO	HOPP	2DH5	70.811	/	Only For Report
	8DPSK	SISO	HOPP	3DH5	70.901	/	Only For Report
NTHV	GFSK	SISO	HOPP	DH5	70.849	/	Only For Report
	Pi/4DQPSK	SISO	HOPP	2DH5	71.012	/	Only For Report
	8DPSK	SISO	HOPP	3DH5	70.908	/	Only For Report

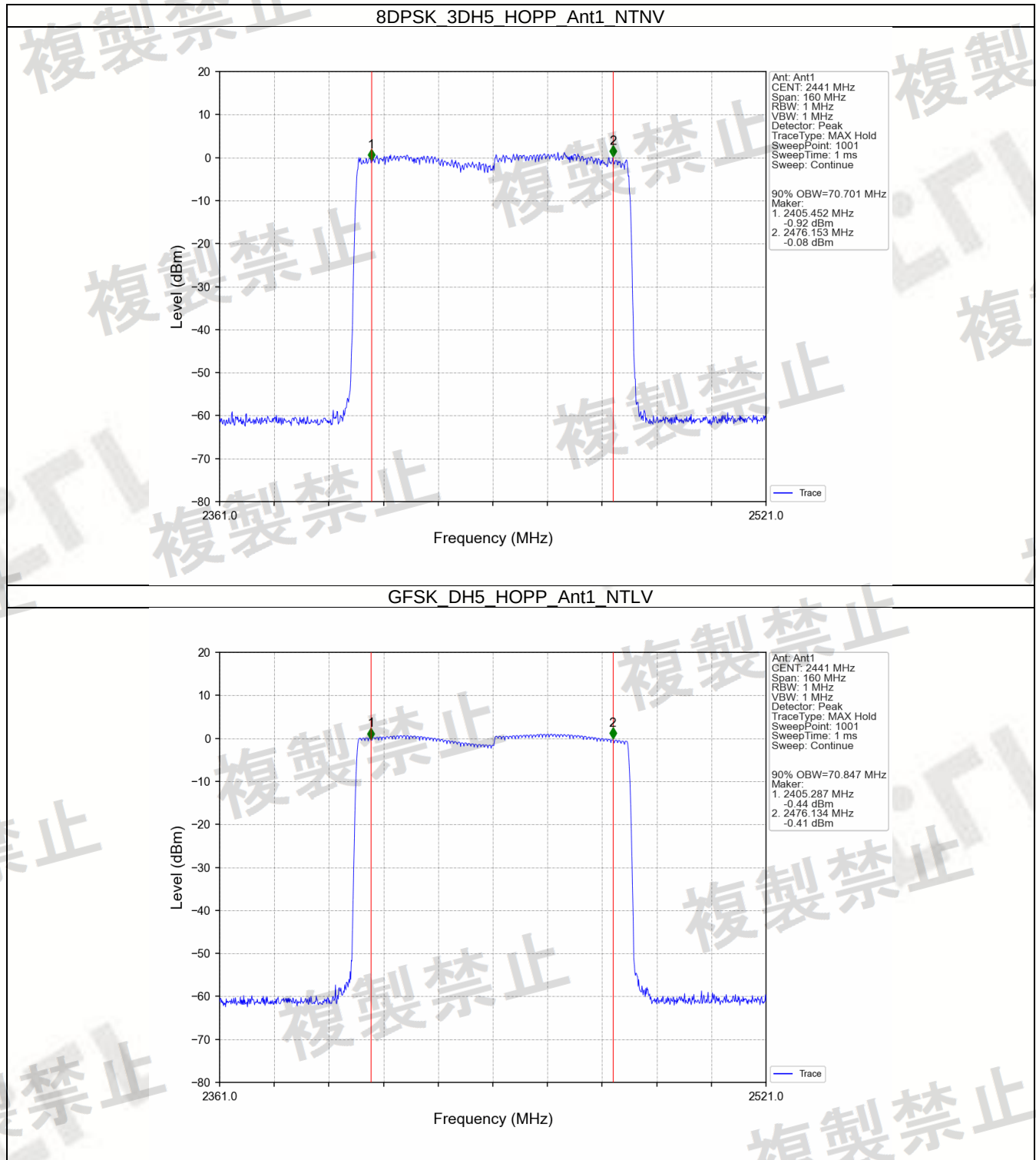
MIC: 219-259748

3.2 Test Graph

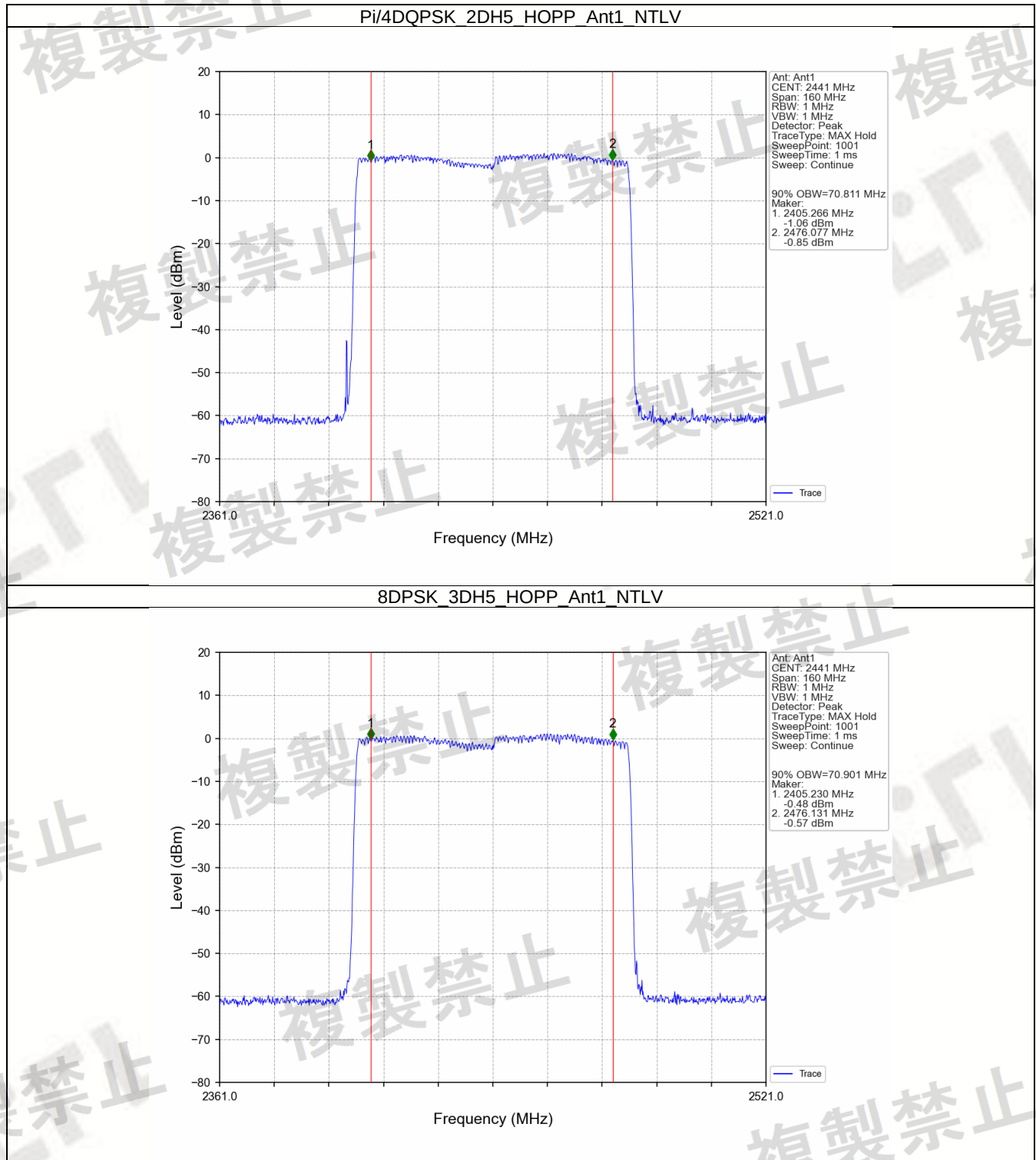
3.2.1 SPBW



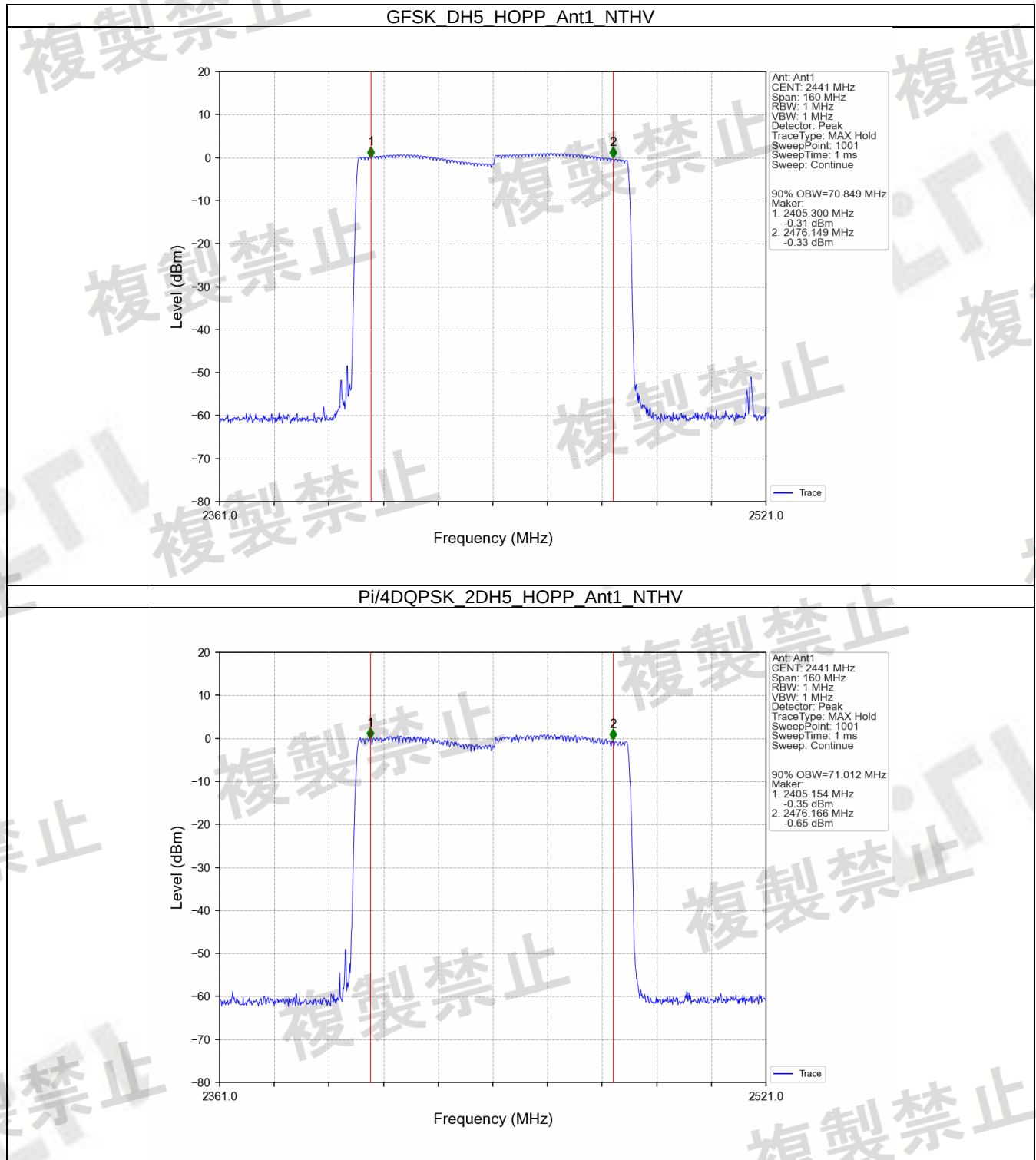
MIC: 219-259748



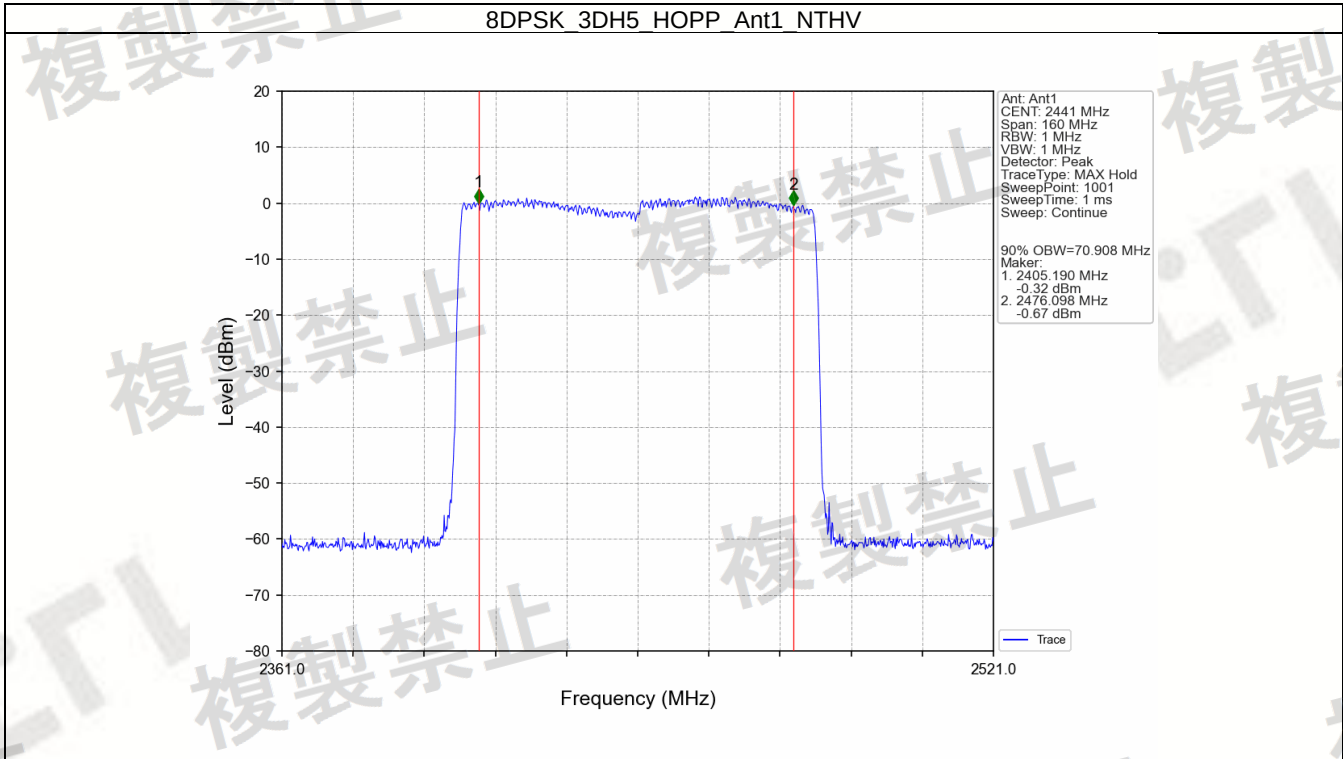
MIC: 219-259748



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MIC: 219-259748



MIC: 219-259748

4. Antenna Power

4.1 Test Result

4.1.1 Power

ENV	Mode	TX Type	Frequency (MHz)	Packet Type	ANT	AVG Power (dBm)	Antenna Power (mW/MHz)		Nominal Power (mW/MHz)	Tolerance (%)		Verdict
							Measured	Limit		Measured	Limit	
NTNV	GFSK	SISO	HOPP	DH5	1	0.72	0.017	<=3.00	0.017	0.00	<=20	Pass
	Pi/4DQPSK	SISO	HOPP	2DH5	1	-1.16	0.011	<=3.00	0.017	-35.29	<=20	Pass
	8DPSK	SISO	HOPP	3DH5	1	-2.42	0.008	<=3.00	0.017	-52.94	<=20	Pass
NTLV	GFSK	SISO	HOPP	DH5	1	-1.35	0.010	<=3.00	0.017	-41.18	<=20	Pass
	Pi/4DQPSK	SISO	HOPP	2DH5	1	-2.45	0.008	<=3.00	0.017	-52.94	<=20	Pass
	8DPSK	SISO	HOPP	3DH5	1	-2.47	0.008	<=3.00	0.017	-52.94	<=20	Pass
NTHV	GFSK	SISO	HOPP	DH5	1	0.72	0.017	<=3.00	0.017	0.00	<=20	Pass
	Pi/4DQPSK	SISO	HOPP	2DH5	1	-2.17	0.009	<=3.00	0.017	-47.06	<=20	Pass
	8DPSK	SISO	HOPP	3DH5	1	-1.30	0.010	<=3.00	0.017	-41.18	<=20	Pass

Note: Antenna Power = AVG Power(mW) / Spread Bandwidth (MHz)

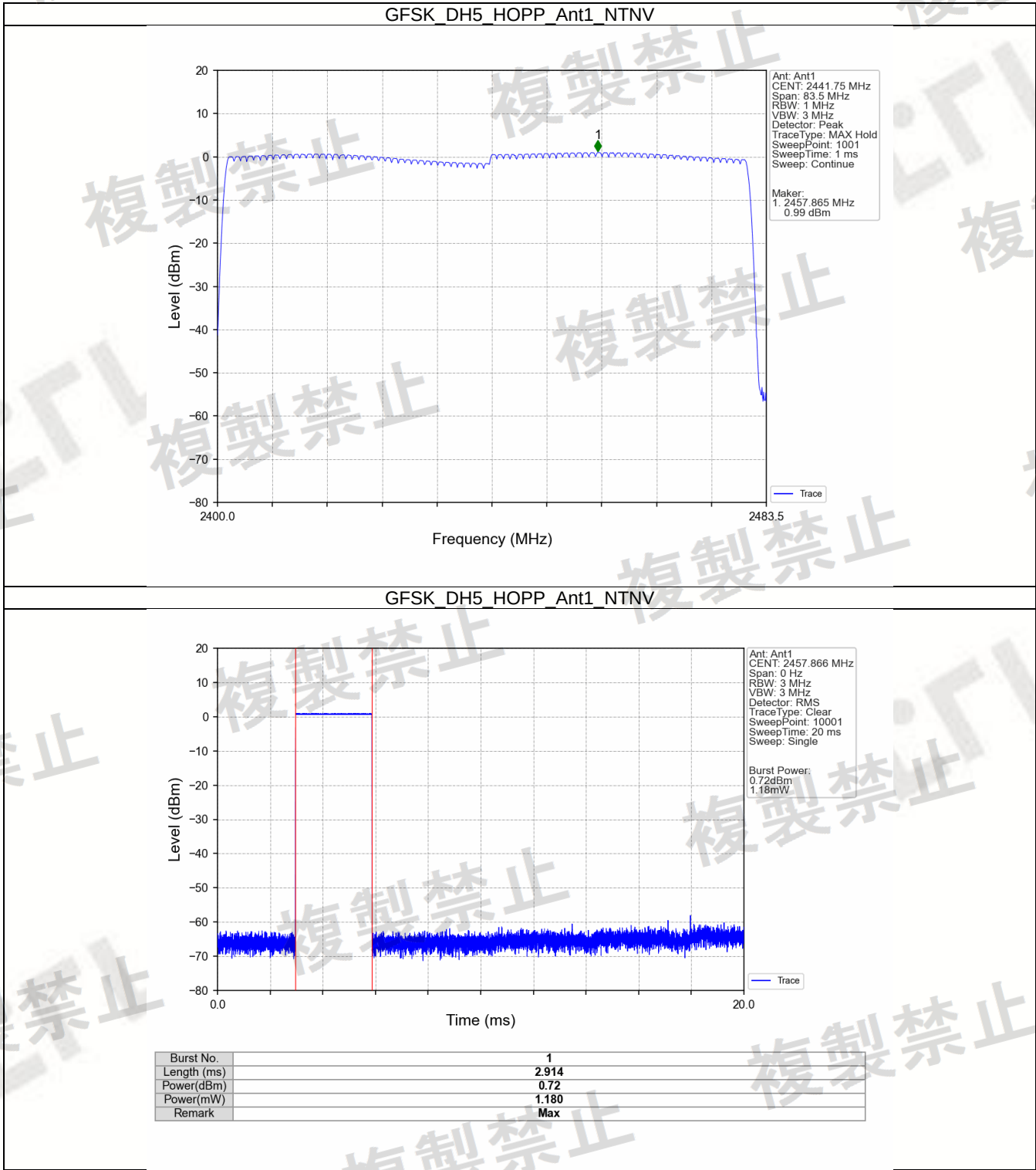
4.1.2 EIRP

ENV	Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Gain (dBi)	EIRP (dBm/MHz)		Verdict
							Result	Limit	
NTNV	GFSK	SISO	HOPP	DH5	1	3.40	-14.39	<=6.91	Pass
	Pi/4DQPSK	SISO	HOPP	2DH5	1	3.40	-16.26	<=6.91	Pass
	8DPSK	SISO	HOPP	3DH5	1	3.40	-17.52	<=6.91	Pass
NTLV	GFSK	SISO	HOPP	DH5	1	3.40	-16.45	<=6.91	Pass
	Pi/4DQPSK	SISO	HOPP	2DH5	1	3.40	-17.55	<=6.91	Pass
	8DPSK	SISO	HOPP	3DH5	1	3.40	-17.58	<=6.91	Pass
NTHV	GFSK	SISO	HOPP	DH5	1	3.40	-14.39	<=6.91	Pass
	Pi/4DQPSK	SISO	HOPP	2DH5	1	3.40	-17.28	<=6.91	Pass
	8DPSK	SISO	HOPP	3DH5	1	3.40	-16.40	<=6.91	Pass

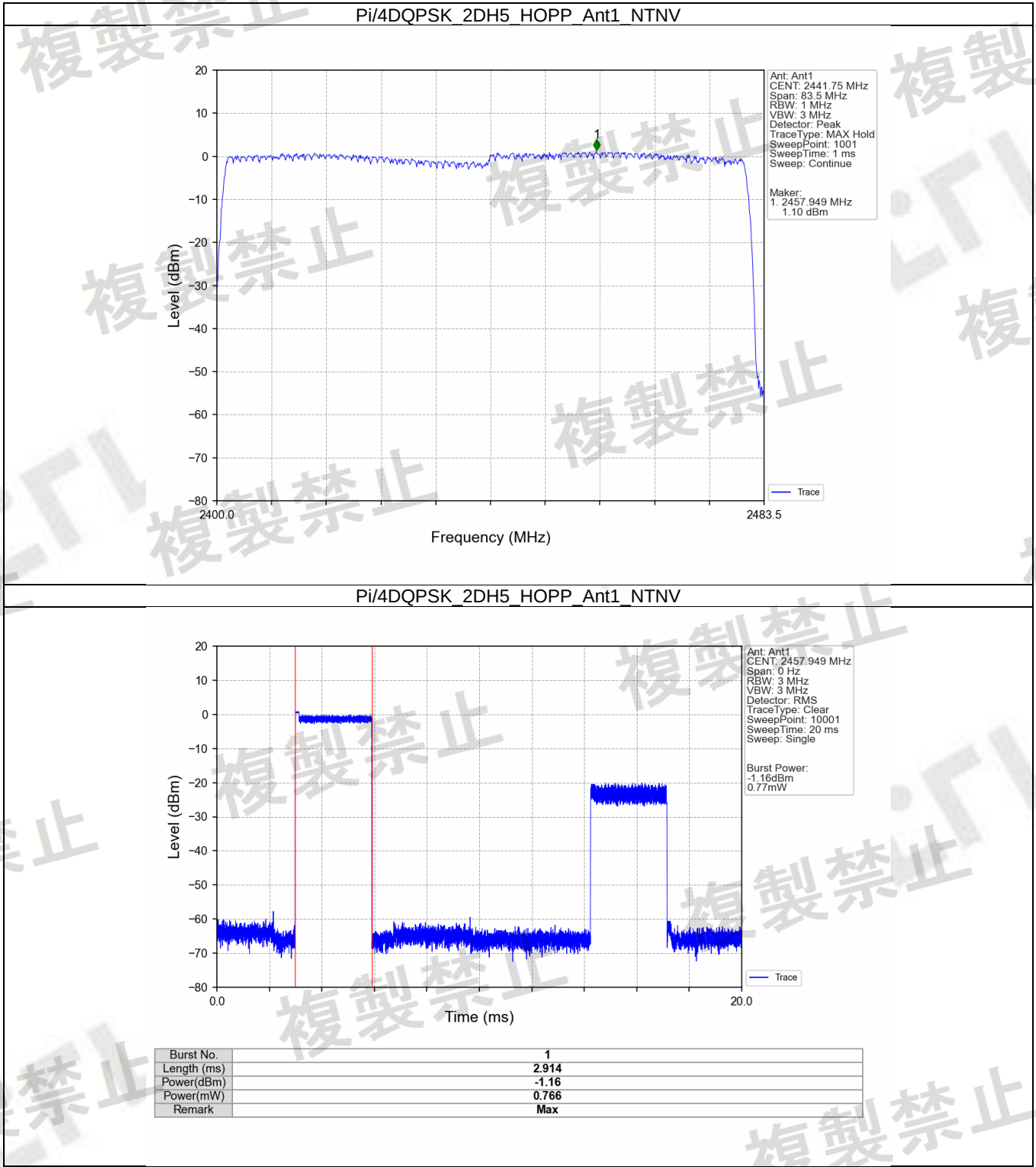
MIC: 219-259748

4.2 Test Graph

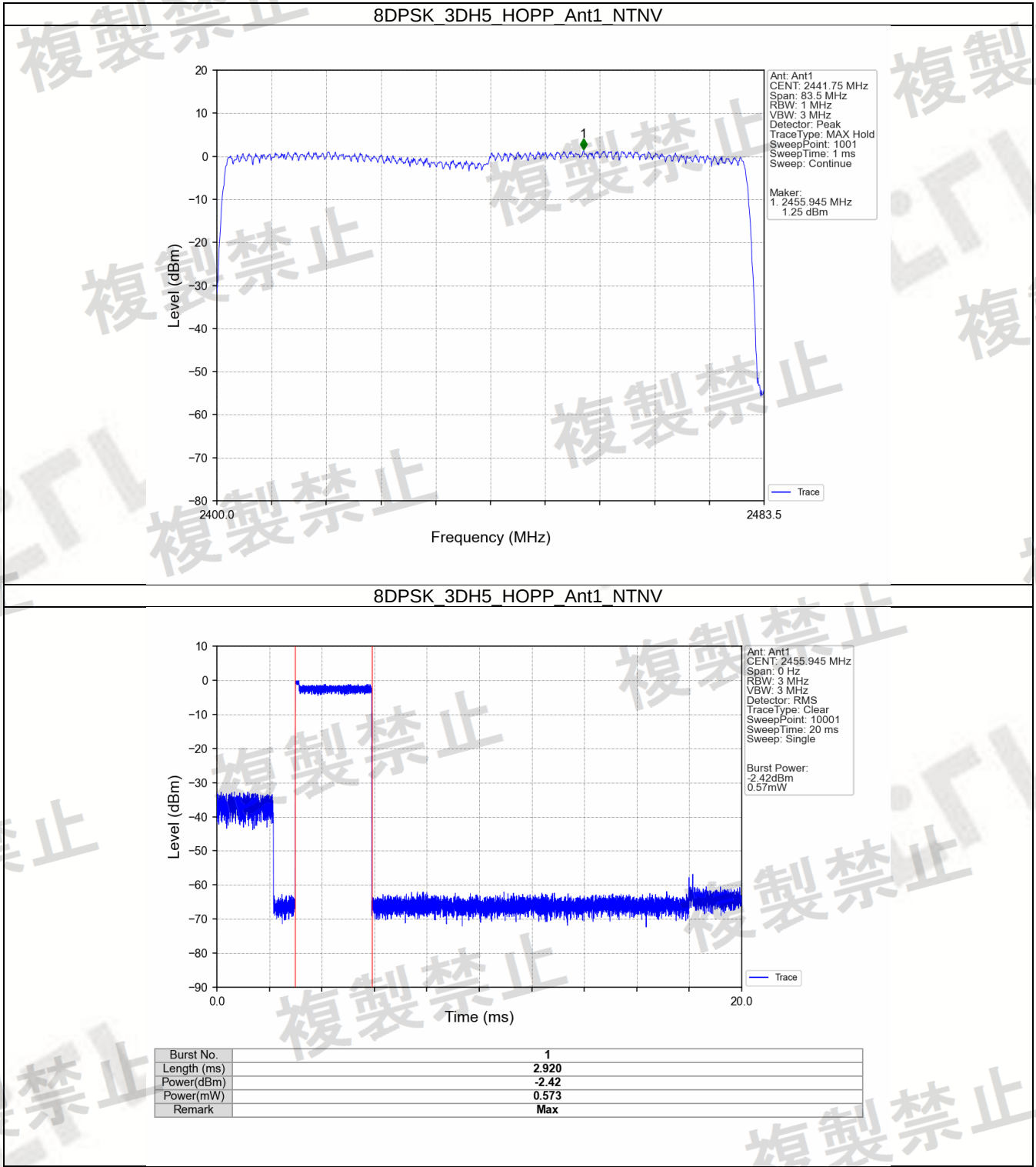
4.2.1 Power



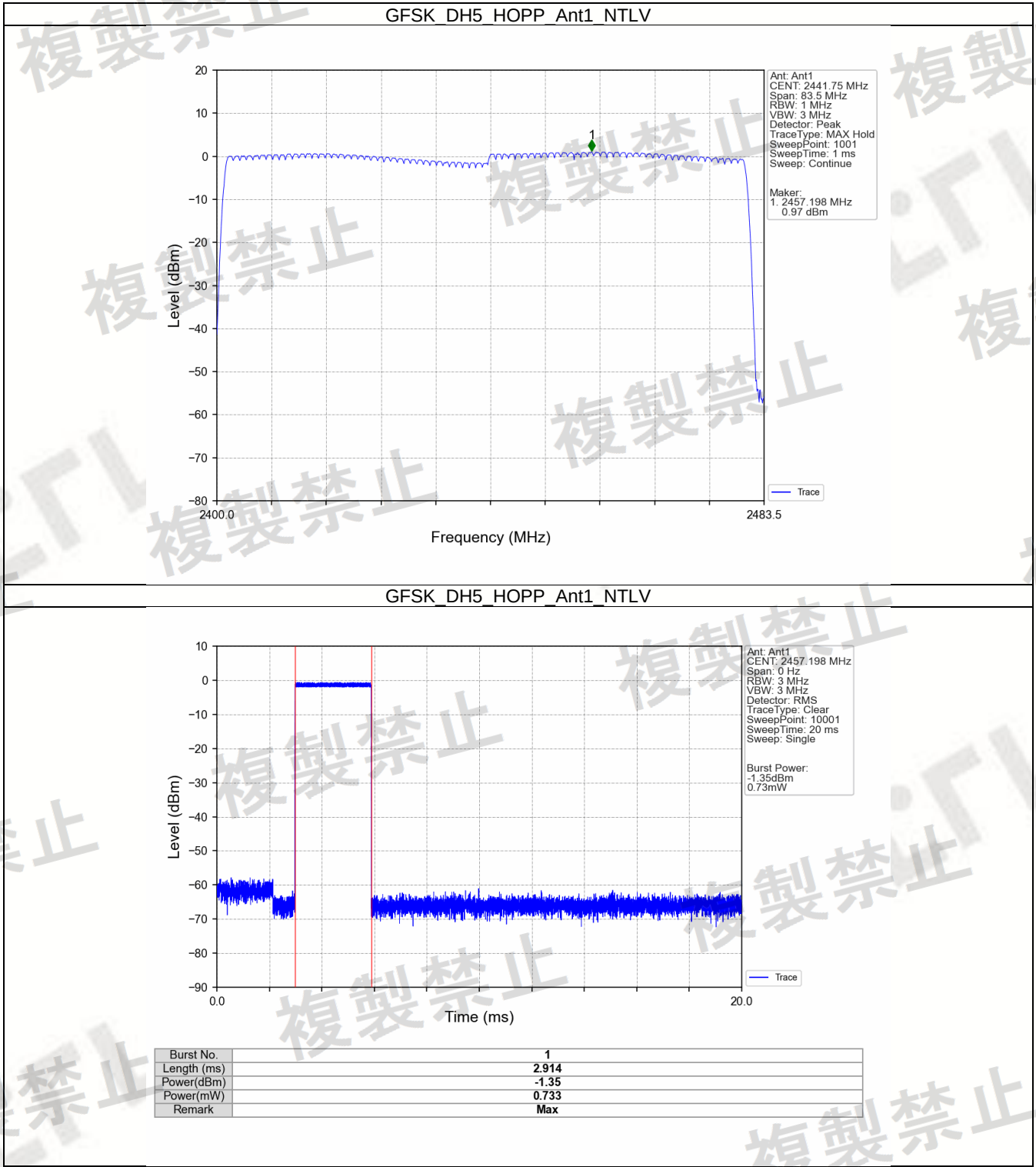
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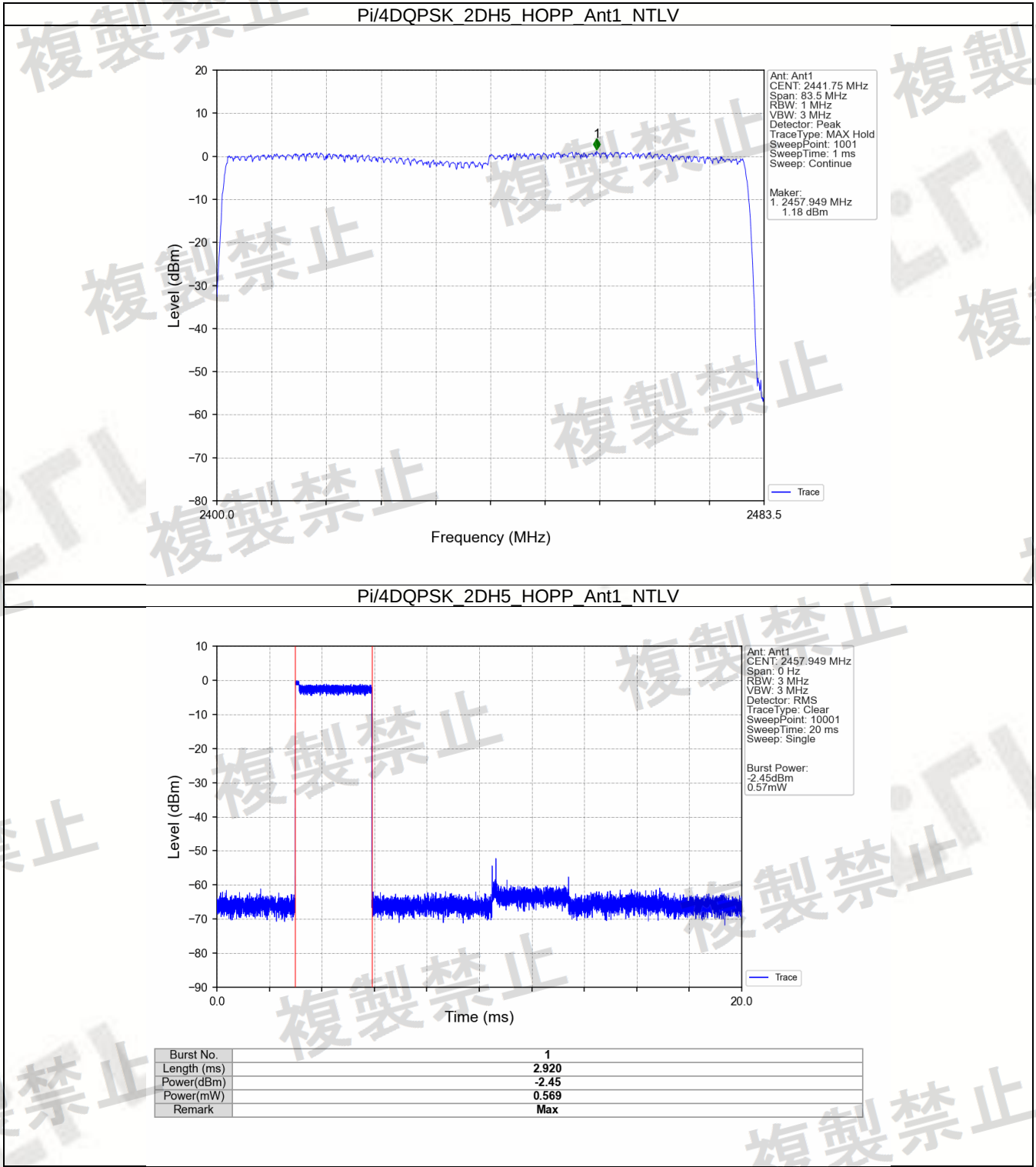
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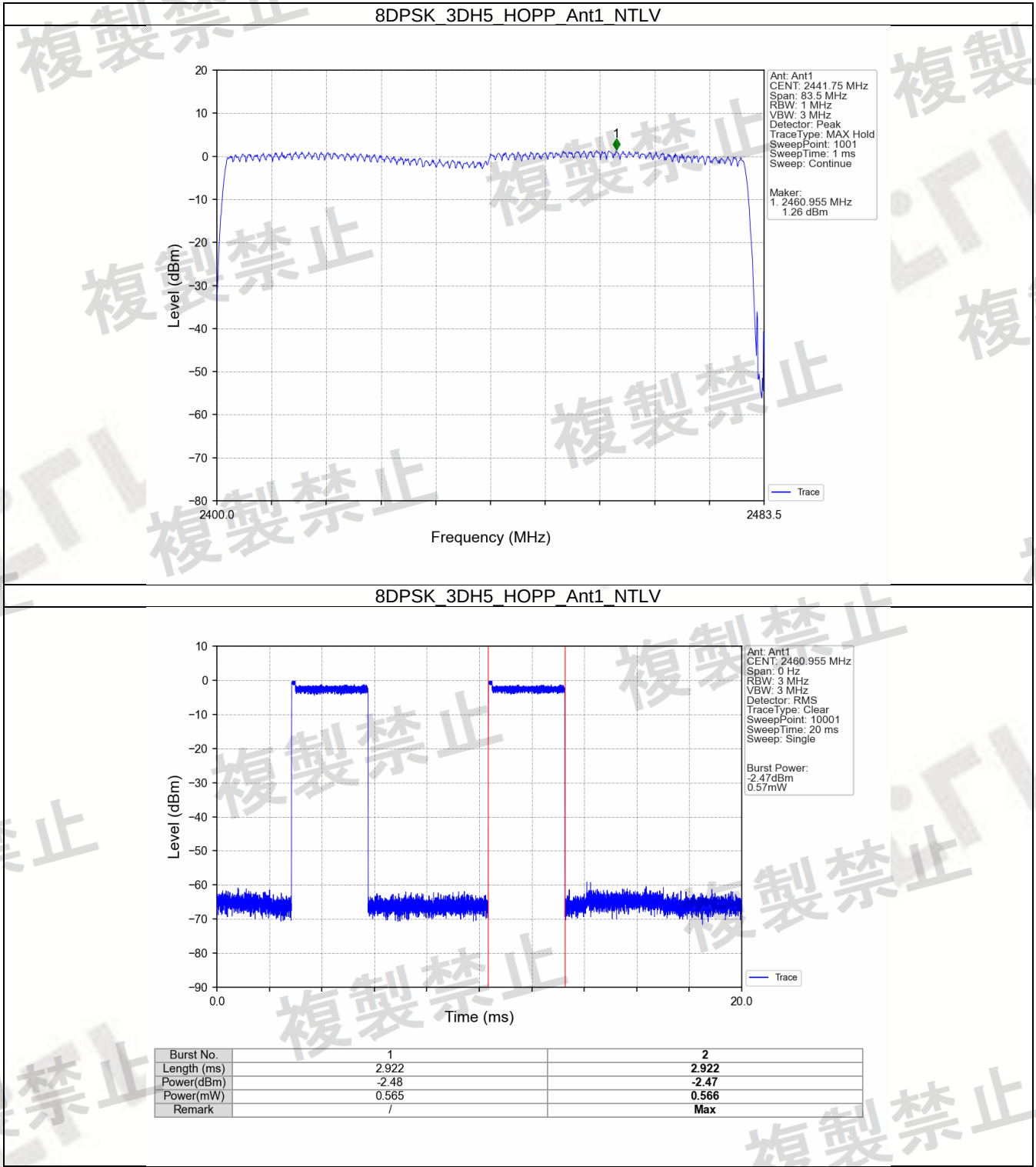
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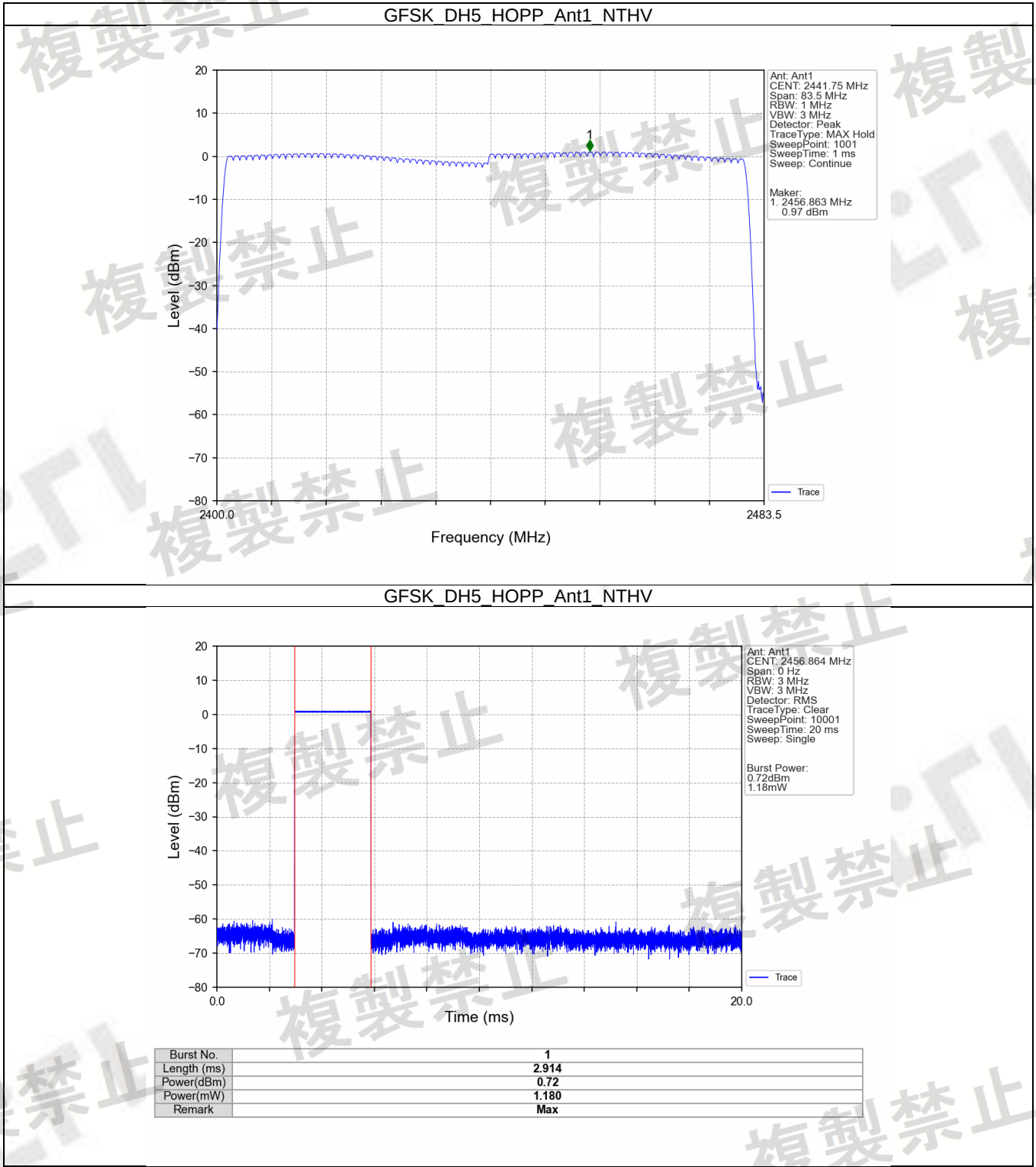
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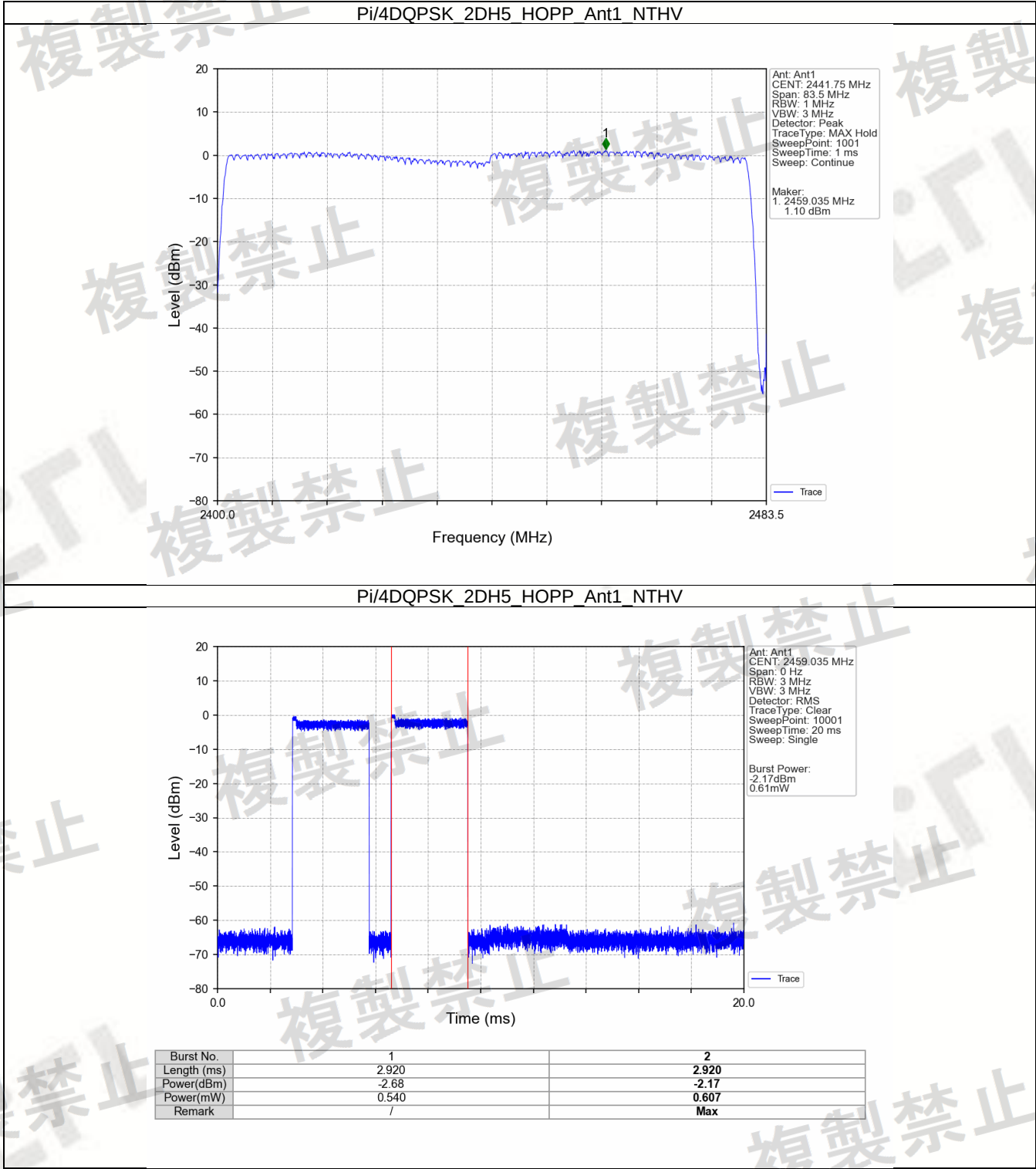
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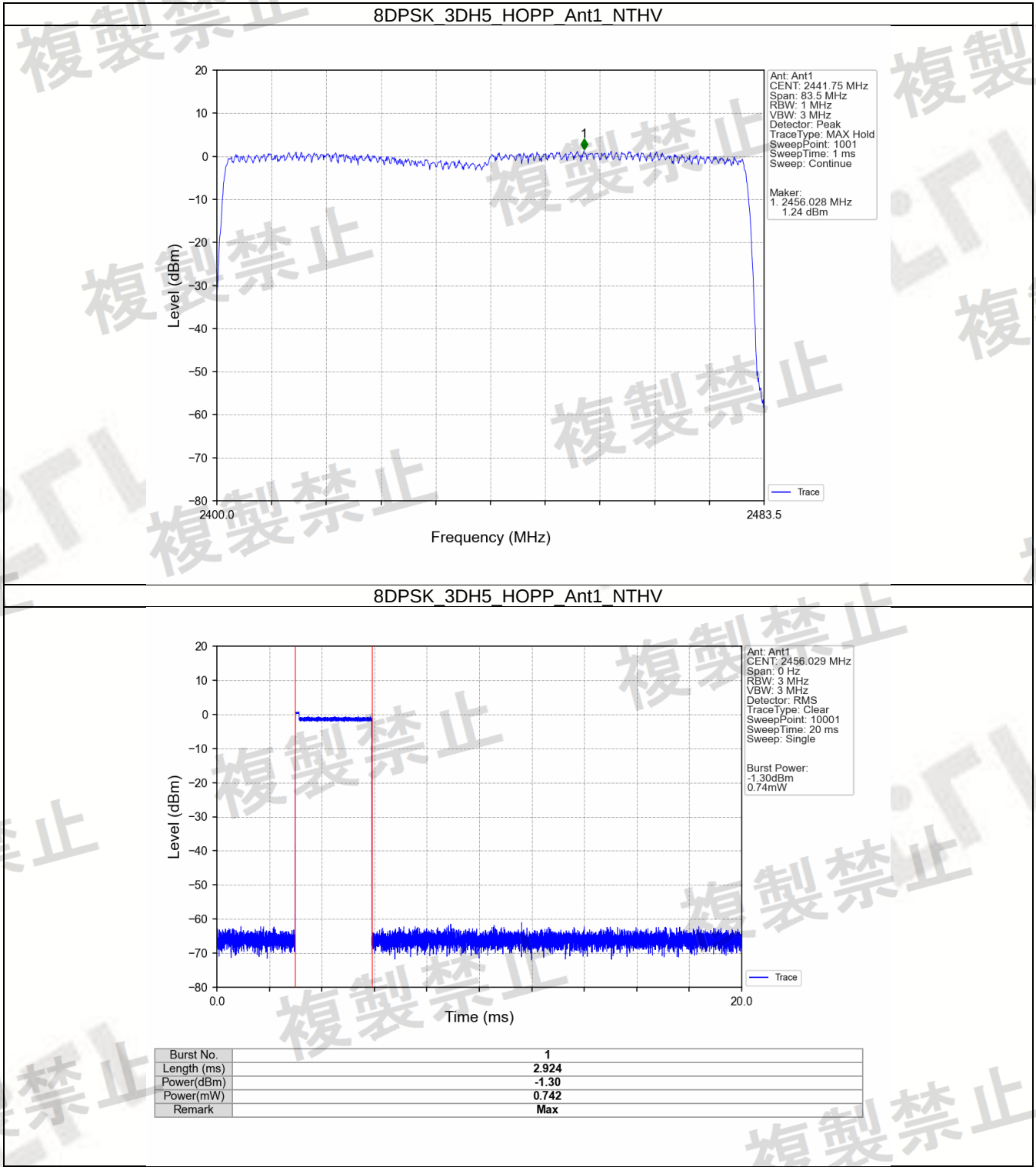
MIC: 219-259748



MIC: 219-259748



MIC: 219-259748



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5. Dwell Time

5.1 Test Result

5.1.1 Ant1

Ant1											
ENV	Mode	TX Type	Frequency (MHz)	Packet Type	Spreading Rate	T_on (ms)	Period (ms)	Hopp Number	Dwell Time (ms)		Verdict
									Result	Limit	
NTNV	GFSK	SISO	2402	DH1	70.852	0.406	1.250	79	116.520	<=400	Pass
				DH3	70.852	1.662	2.500	79	238.493	<=400	Pass
				DH5	70.852	2.910	3.750	79	278.386	<=400	Pass
			2480	DH1	70.852	0.406	1.250	79	116.520	<=400	Pass
				DH3	70.852	1.662	2.500	79	238.493	<=400	Pass
				DH5	70.852	2.911	3.750	79	278.481	<=400	Pass
	Pi/4DQPSK	SISO	2402	2DH1	70.834	0.416	1.250	79	119.360	<=400	Pass
				2DH3	70.834	1.667	2.500	79	239.150	<=400	Pass
				2DH5	70.834	2.916	3.750	79	278.889	<=400	Pass
			2480	2DH1	70.834	0.416	1.250	79	119.360	<=400	Pass
				2DH3	70.834	1.667	2.500	79	239.150	<=400	Pass
				2DH5	70.834	2.916	3.750	79	278.889	<=400	Pass
	8DPSK	SISO	2402	3DH1	70.701	0.417	1.250	79	119.422	<=400	Pass
				3DH3	70.701	1.668	2.500	79	238.844	<=400	Pass
				3DH5	70.701	2.918	3.750	79	278.556	<=400	Pass
			2480	3DH1	70.701	0.418	1.250	79	119.708	<=400	Pass
				3DH3	70.701	1.667	2.500	79	238.701	<=400	Pass
				3DH5	70.701	2.919	3.750	79	278.651	<=400	Pass
NTLV	GFSK	SISO	2402	DH1	70.847	0.406	1.250	79	116.512	<=400	Pass
				DH3	70.847	1.662	2.500	79	238.476	<=400	Pass
				DH5	70.847	2.910	3.750	79	278.366	<=400	Pass
			2480	DH1	70.847	0.406	1.250	79	116.512	<=400	Pass
				DH3	70.847	1.663	2.500	79	238.620	<=400	Pass
				DH5	70.847	2.910	3.750	79	278.366	<=400	Pass
	Pi/4DQPSK	SISO	2402	2DH1	70.811	0.416	1.250	79	119.321	<=400	Pass
				2DH3	70.811	1.667	2.500	79	239.072	<=400	Pass
				2DH5	70.811	2.916	3.750	79	278.798	<=400	Pass
			2480	2DH1	70.811	0.417	1.250	79	119.608	<=400	Pass
				2DH3	70.811	1.668	2.500	79	239.216	<=400	Pass
				2DH5	70.811	2.916	3.750	79	278.798	<=400	Pass
	8DPSK	SISO	2402	3DH1	70.901	0.418	1.250	79	120.047	<=400	Pass
				3DH3	70.901	1.667	2.500	79	239.376	<=400	Pass
				3DH5	70.901	2.919	3.750	79	279.440	<=400	Pass
			2480	3DH1	70.901	0.418	1.250	79	120.047	<=400	Pass
				3DH3	70.901	1.667	2.500	79	239.376	<=400	Pass
				3DH5	70.901	2.919	3.750	79	279.440	<=400	Pass
NTHV	GFSK	SISO	2402	DH1	70.849	0.406	1.250	79	116.515	<=400	Pass
				DH3	70.849	1.662	2.500	79	238.483	<=400	Pass
				DH5	70.849	2.910	3.750	79	278.374	<=400	Pass
			2480	DH1	70.849	0.406	1.250	79	116.515	<=400	Pass
				DH3	70.849	1.662	2.500	79	238.483	<=400	Pass
				DH5	70.849	2.910	3.750	79	278.374	<=400	Pass
	Pi/4DQPSK	SISO	2402	2DH1	71.012	0.416	1.250	79	119.660	<=400	Pass
				2DH3	71.012	1.667	2.500	79	239.751	<=400	Pass
				2DH5	71.012	2.916	3.750	79	279.590	<=400	Pass

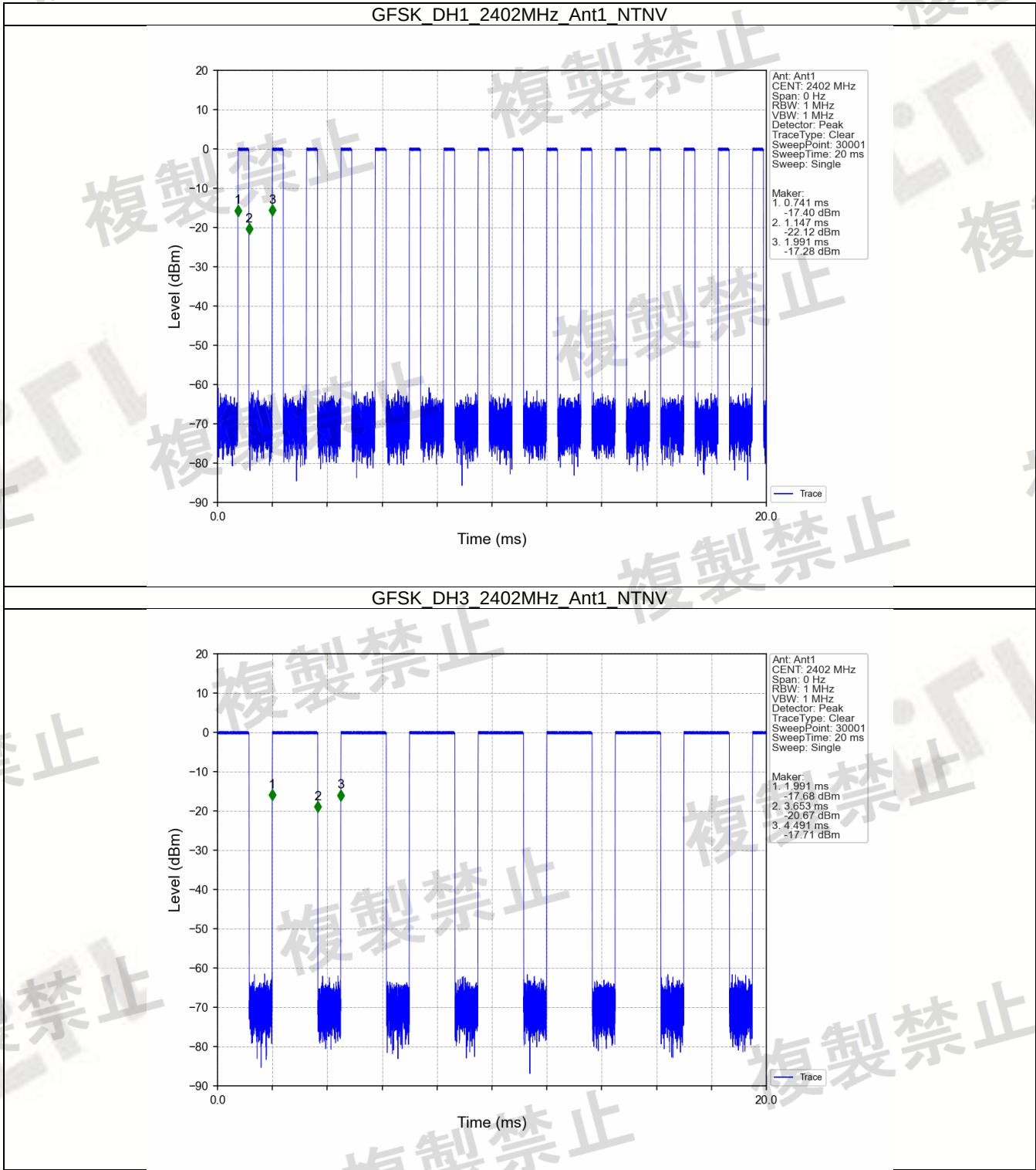
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	8DPSK	SISO	2480	2DH1	71.012	0.417	1.250	79	119.947	<=400	Pass		
				2DH3	71.012	1.668	2.500	79	239.895	<=400	Pass		
				2DH5	71.012	2.916	3.750	79	279.590	<=400	Pass		
					2402	3DH1	70.908	0.418	1.250	79	120.059	<=400	Pass
						3DH3	70.908	1.668	2.500	79	239.543	<=400	Pass
						3DH5	70.908	2.919	3.750	79	279.467	<=400	Pass
					2480	3DH1	70.908	0.418	1.250	79	120.059	<=400	Pass
						3DH3	70.908	1.667	2.500	79	239.400	<=400	Pass
						3DH5	70.908	2.918	3.750	79	279.372	<=400	Pass
Note: Dwell time= (0.4(s) x spreading rate x sending time of 1burst (s))/(burst cycle(s) x No. of hopping channel)													

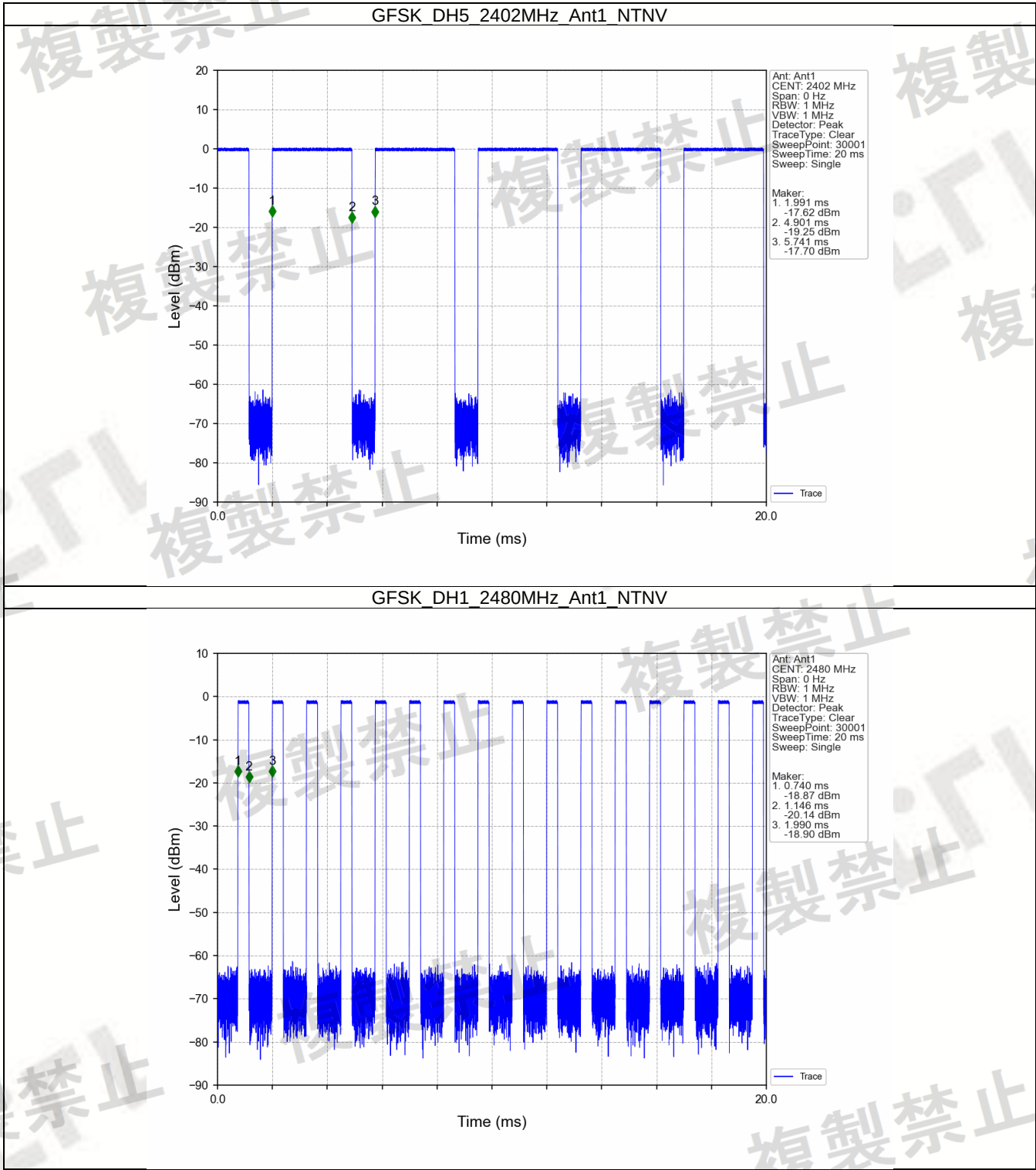
MIC: 219-259748

5.2 Test Graph

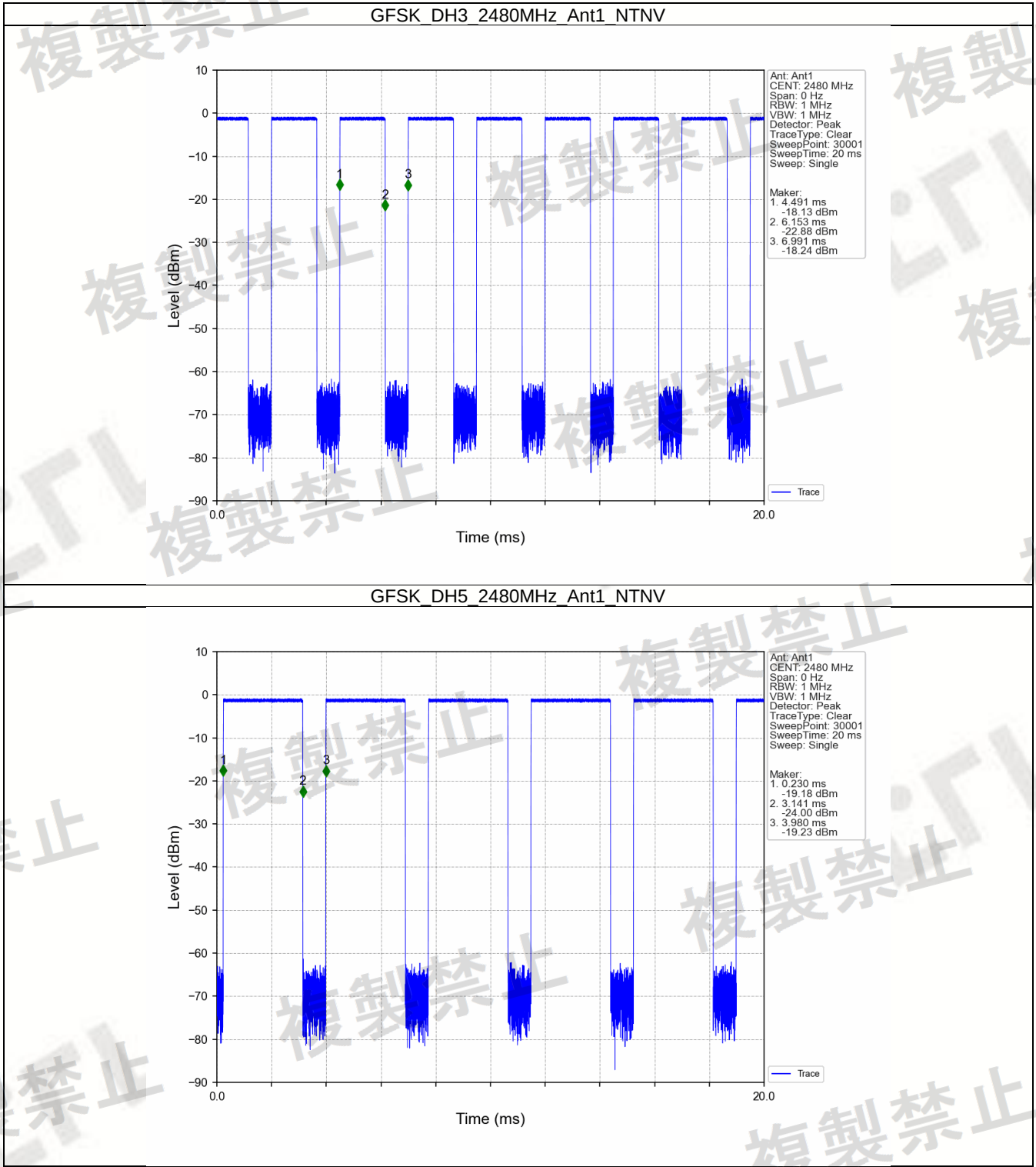
5.2.1 Ant1



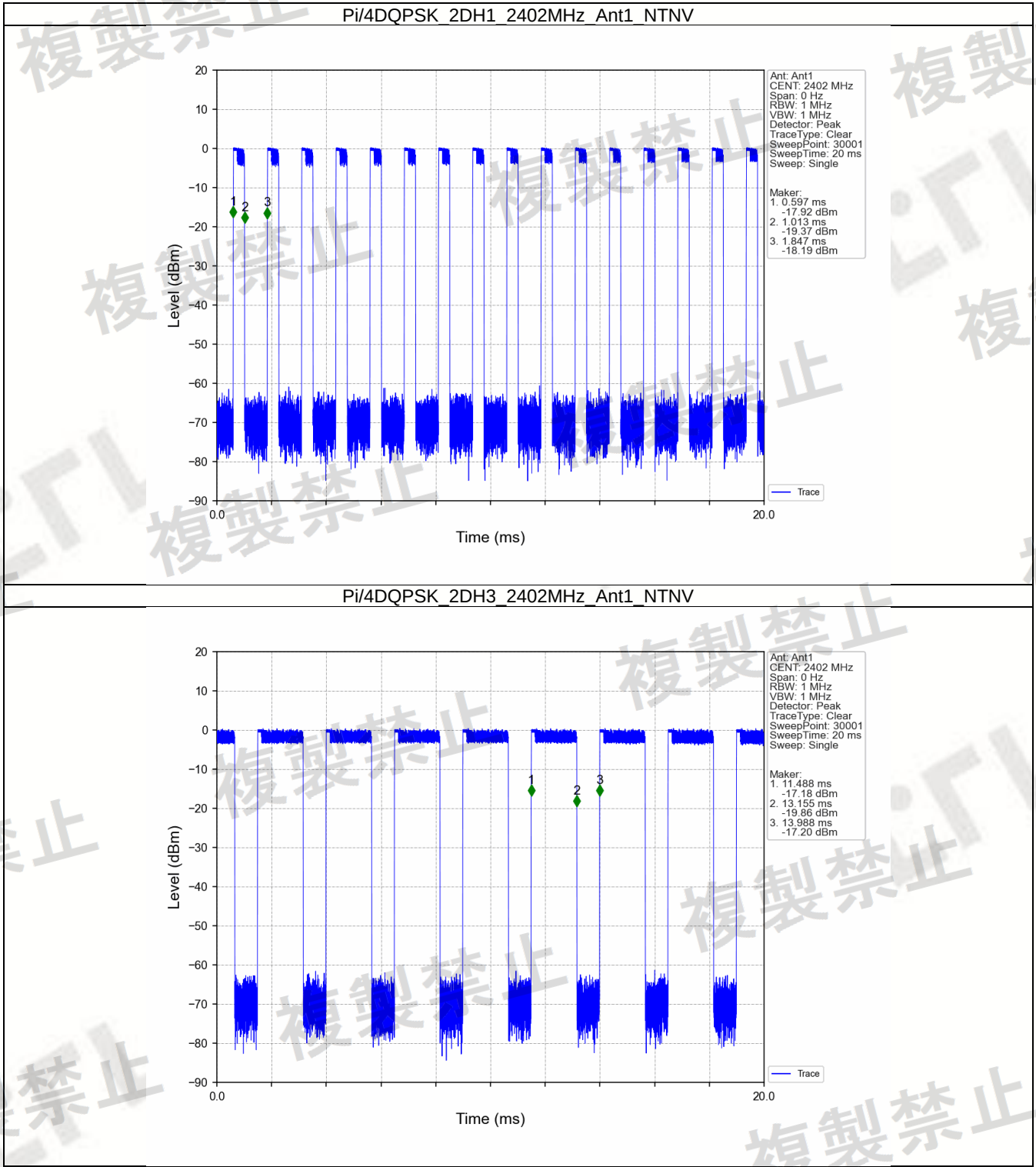
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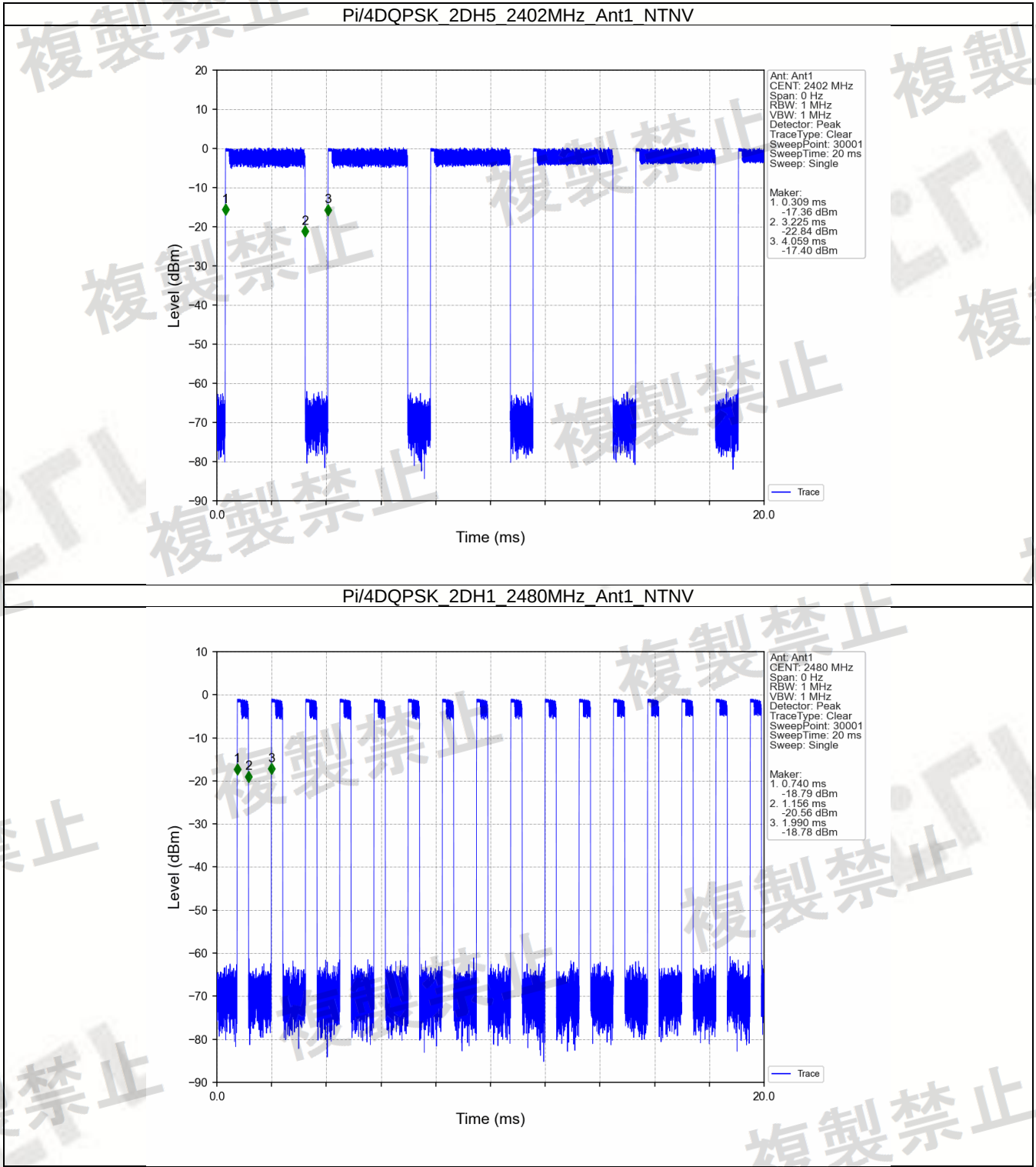
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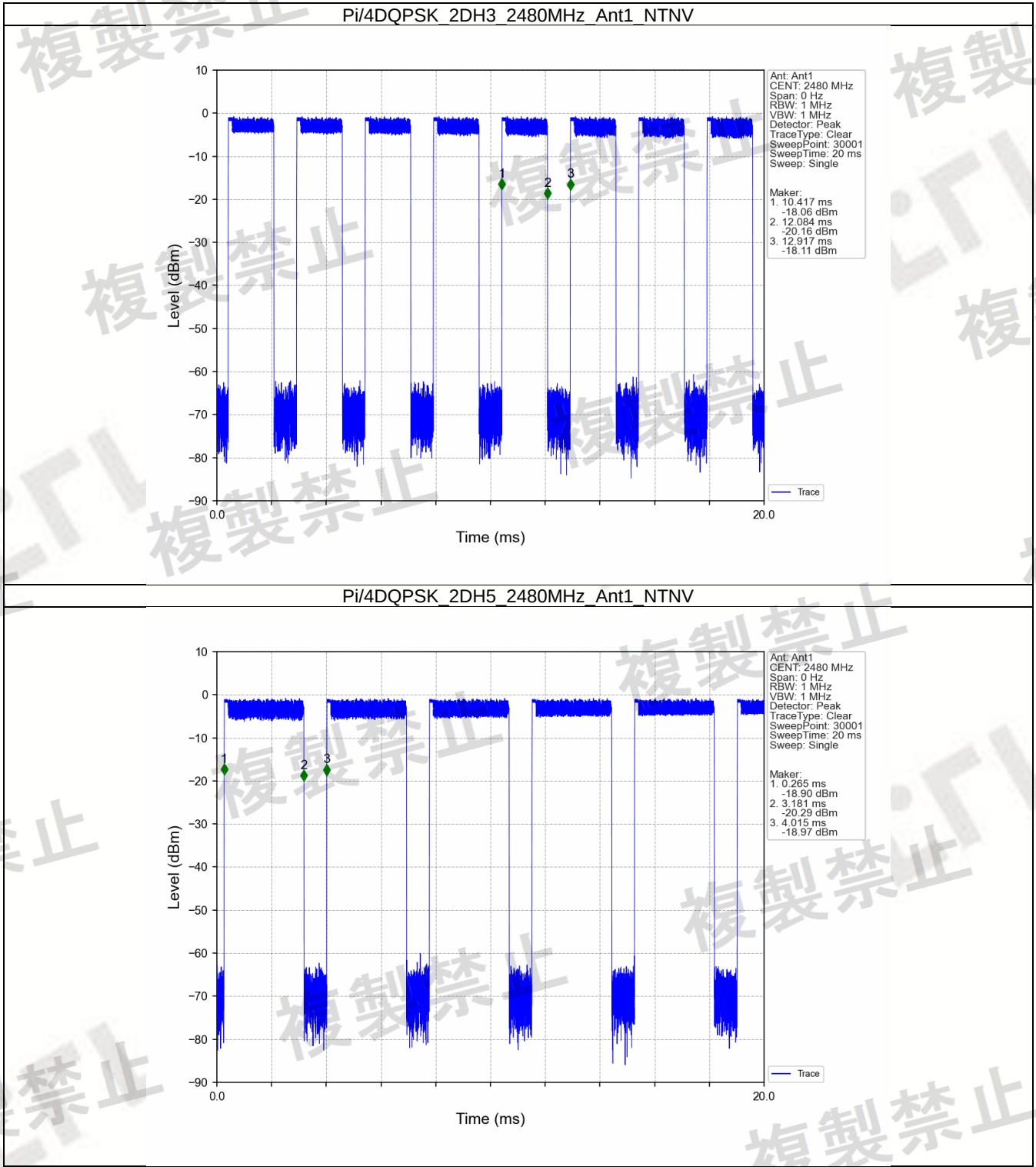
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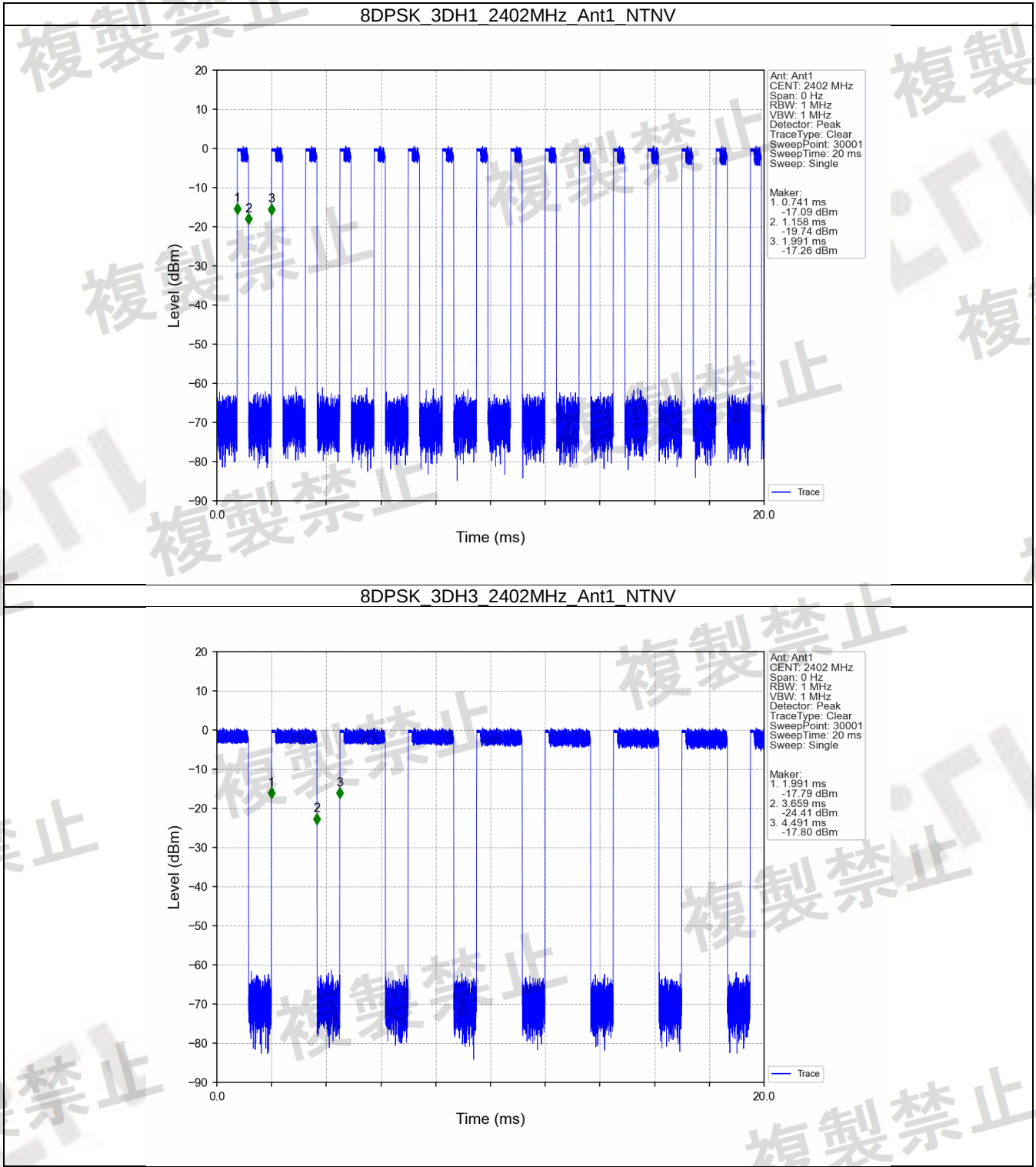
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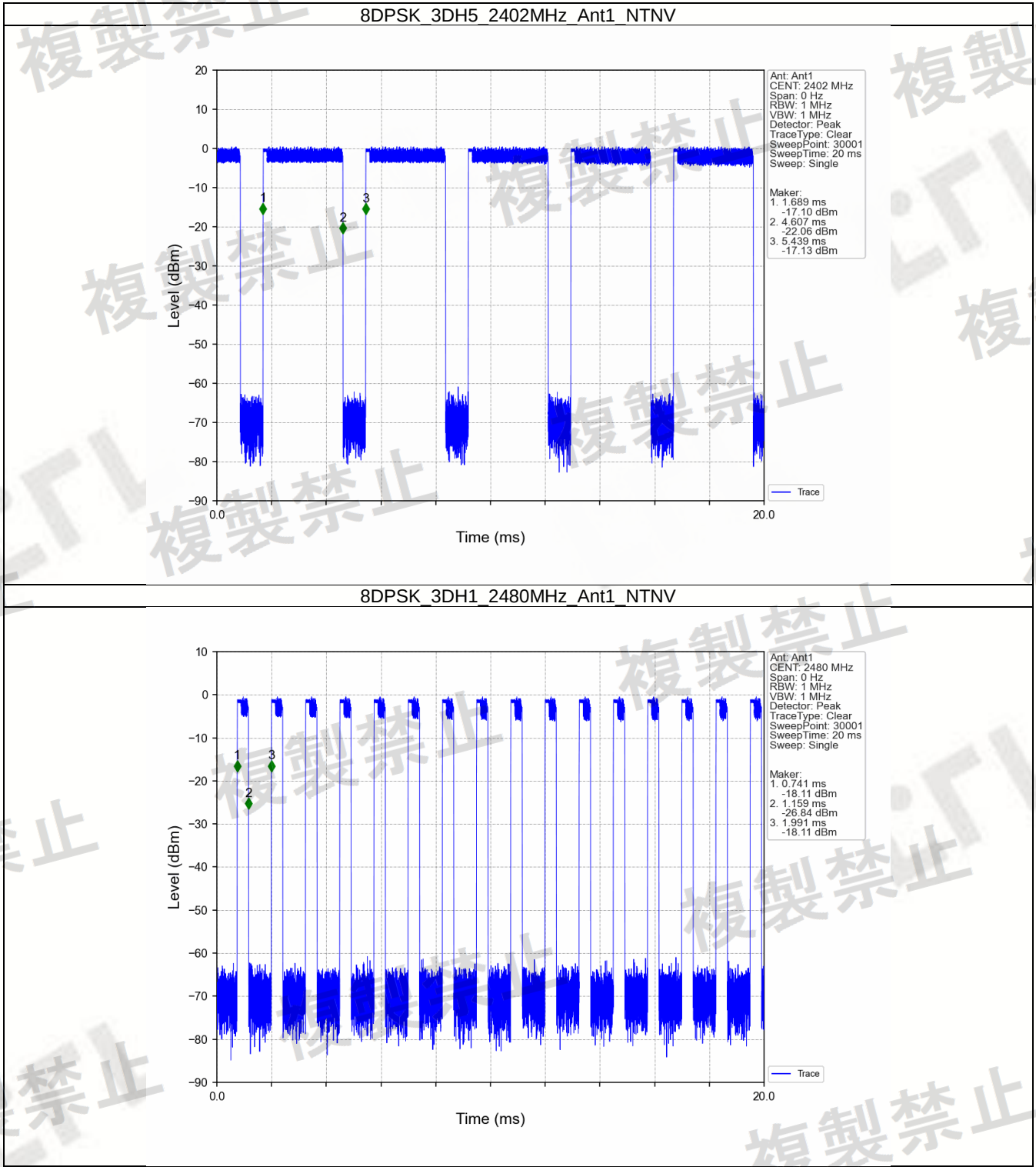
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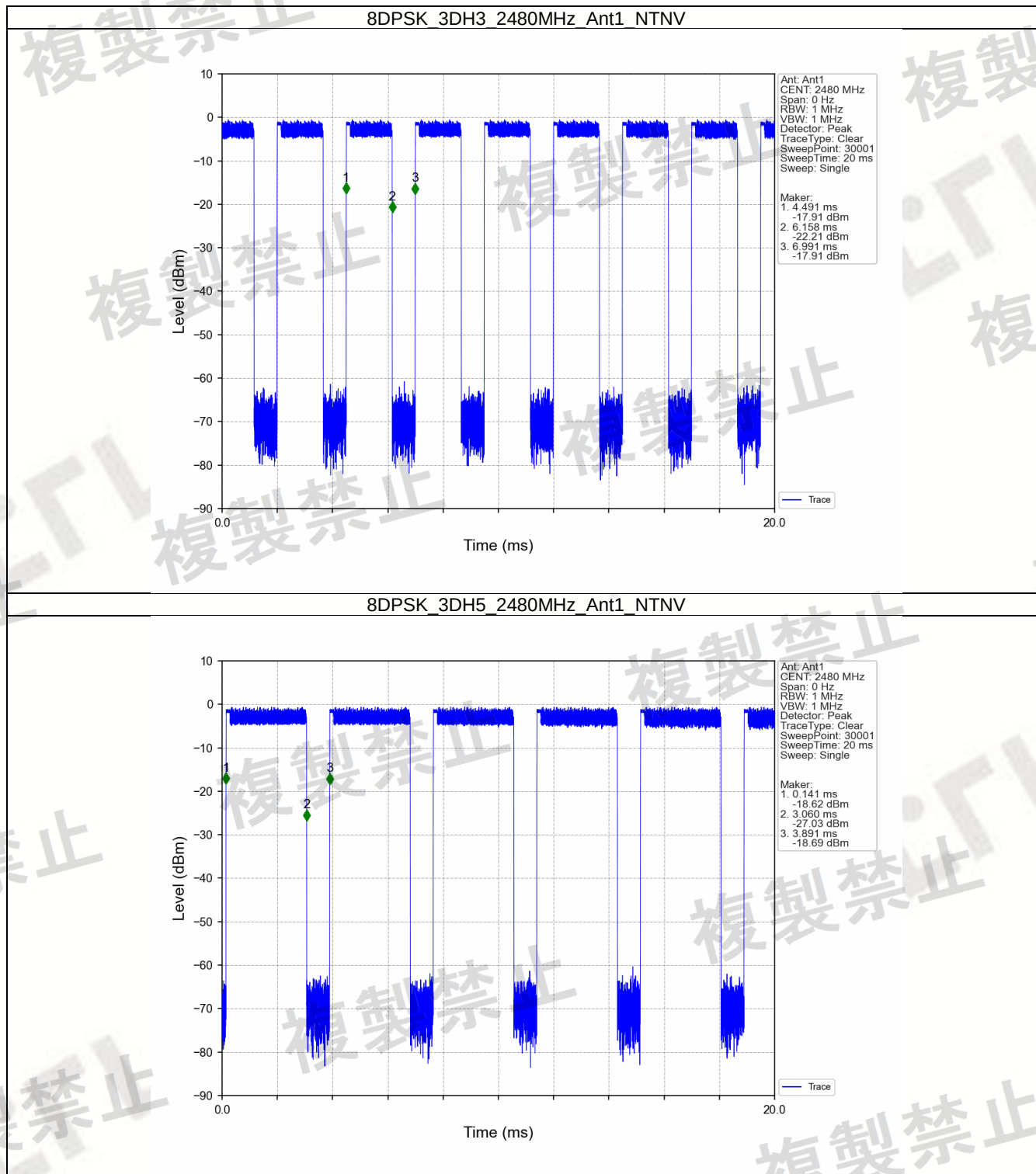
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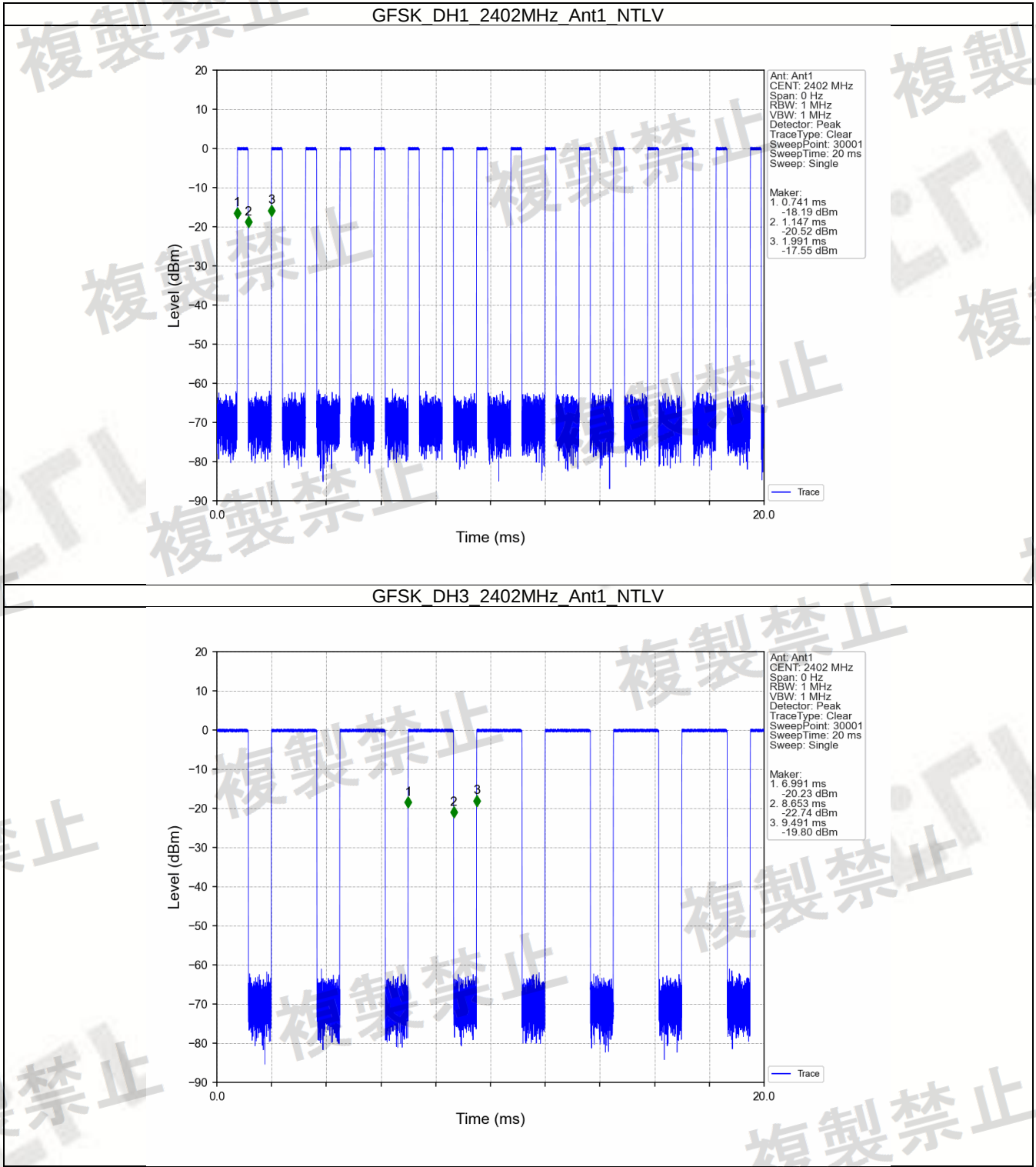
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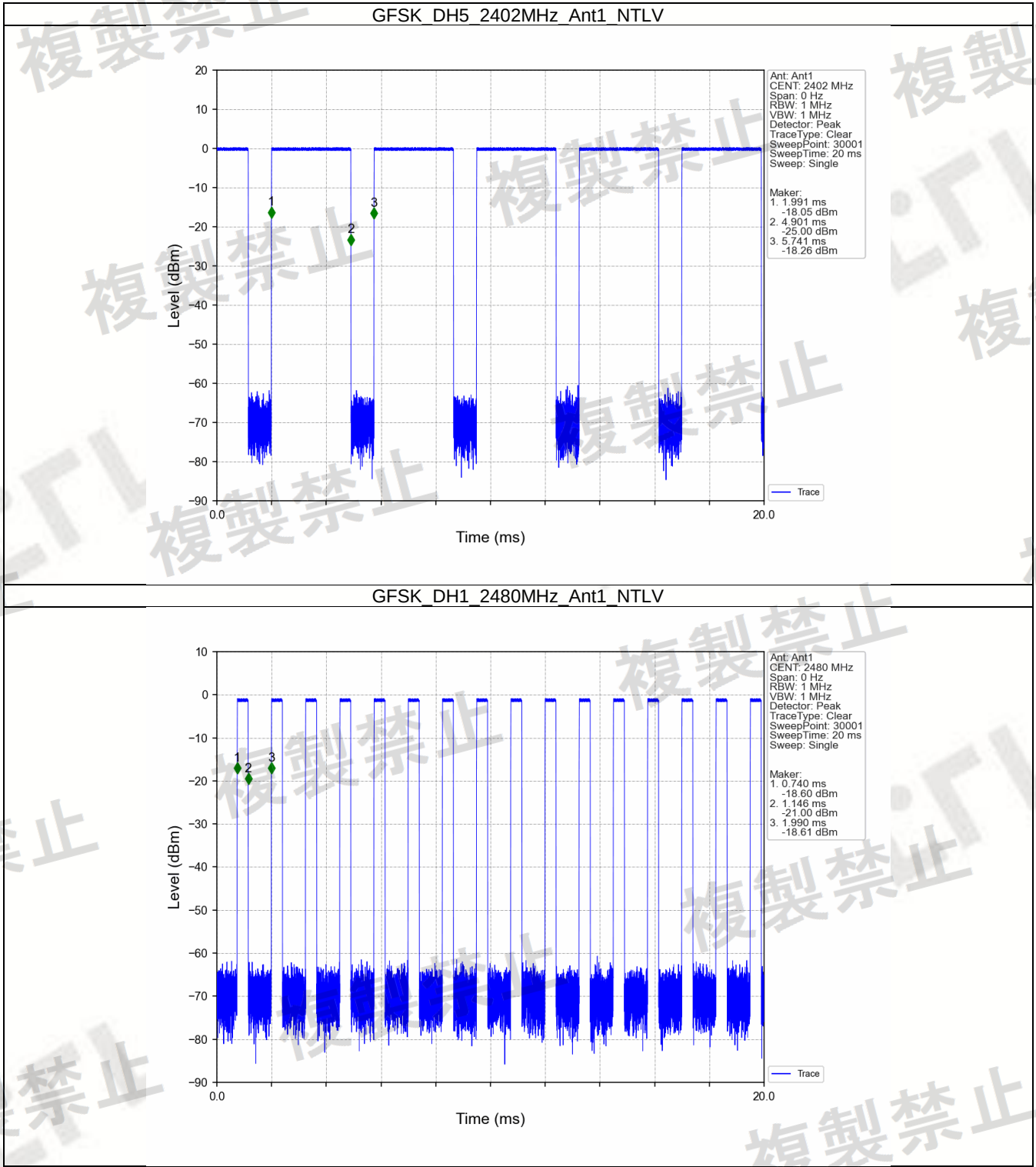
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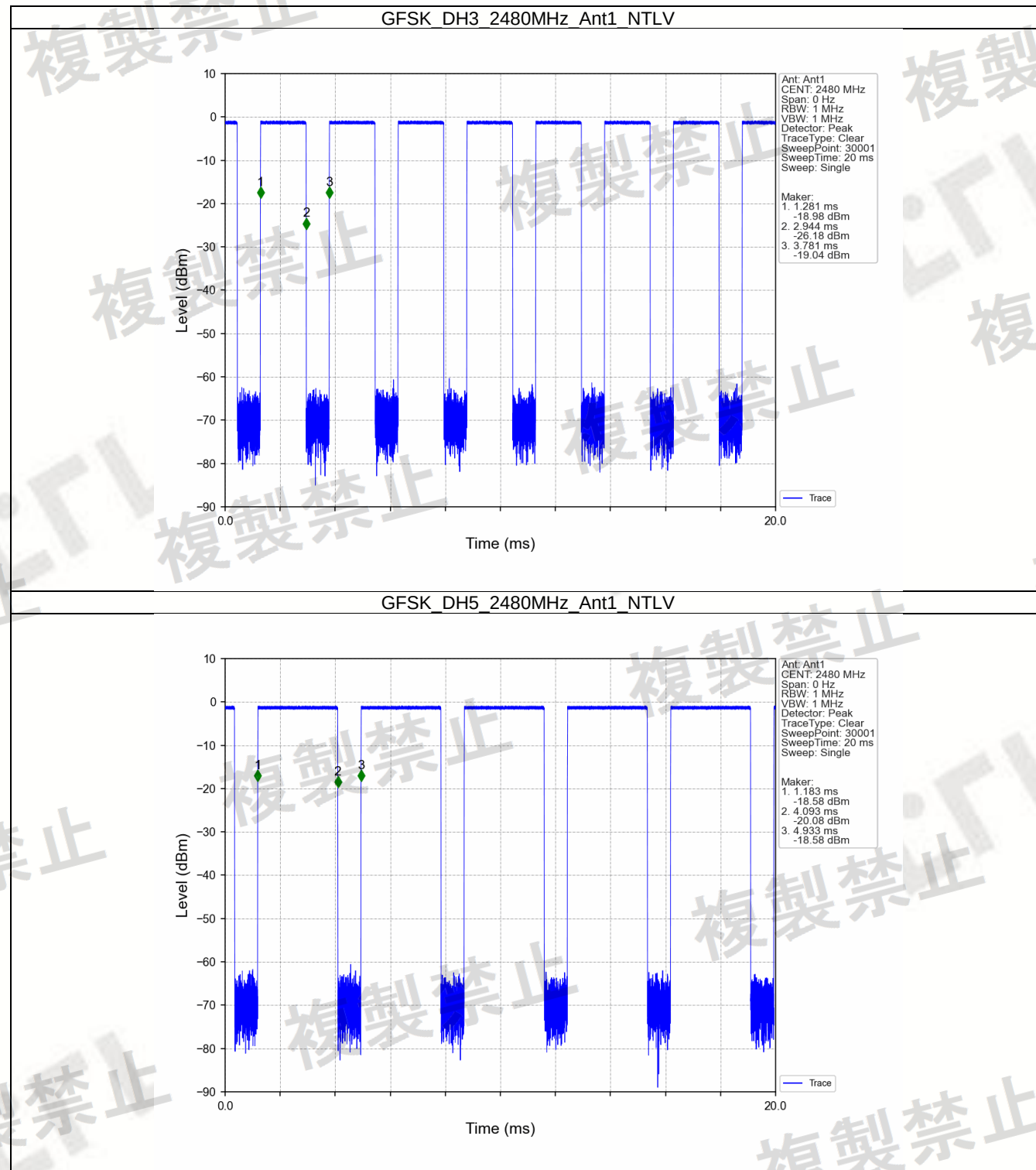
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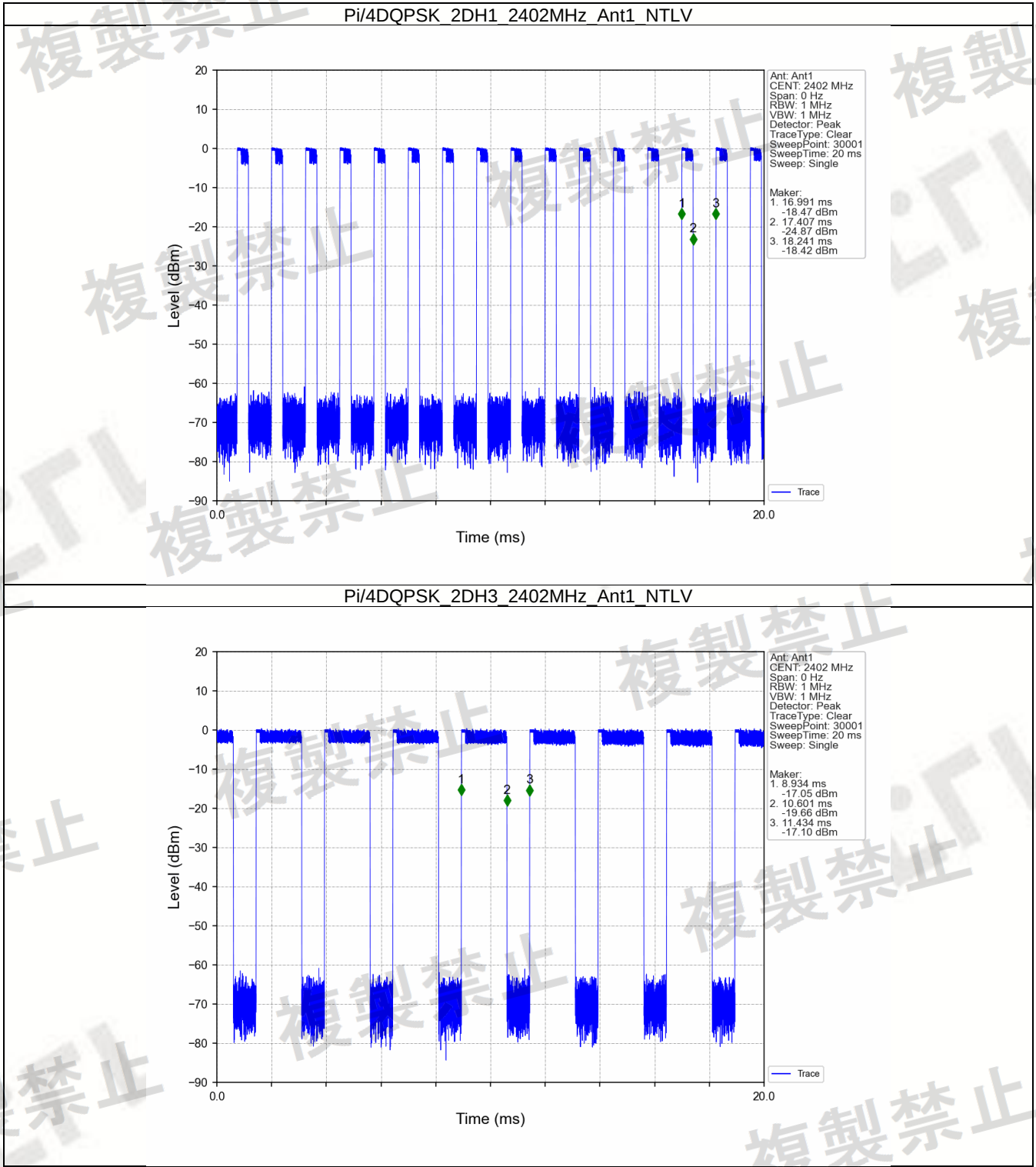
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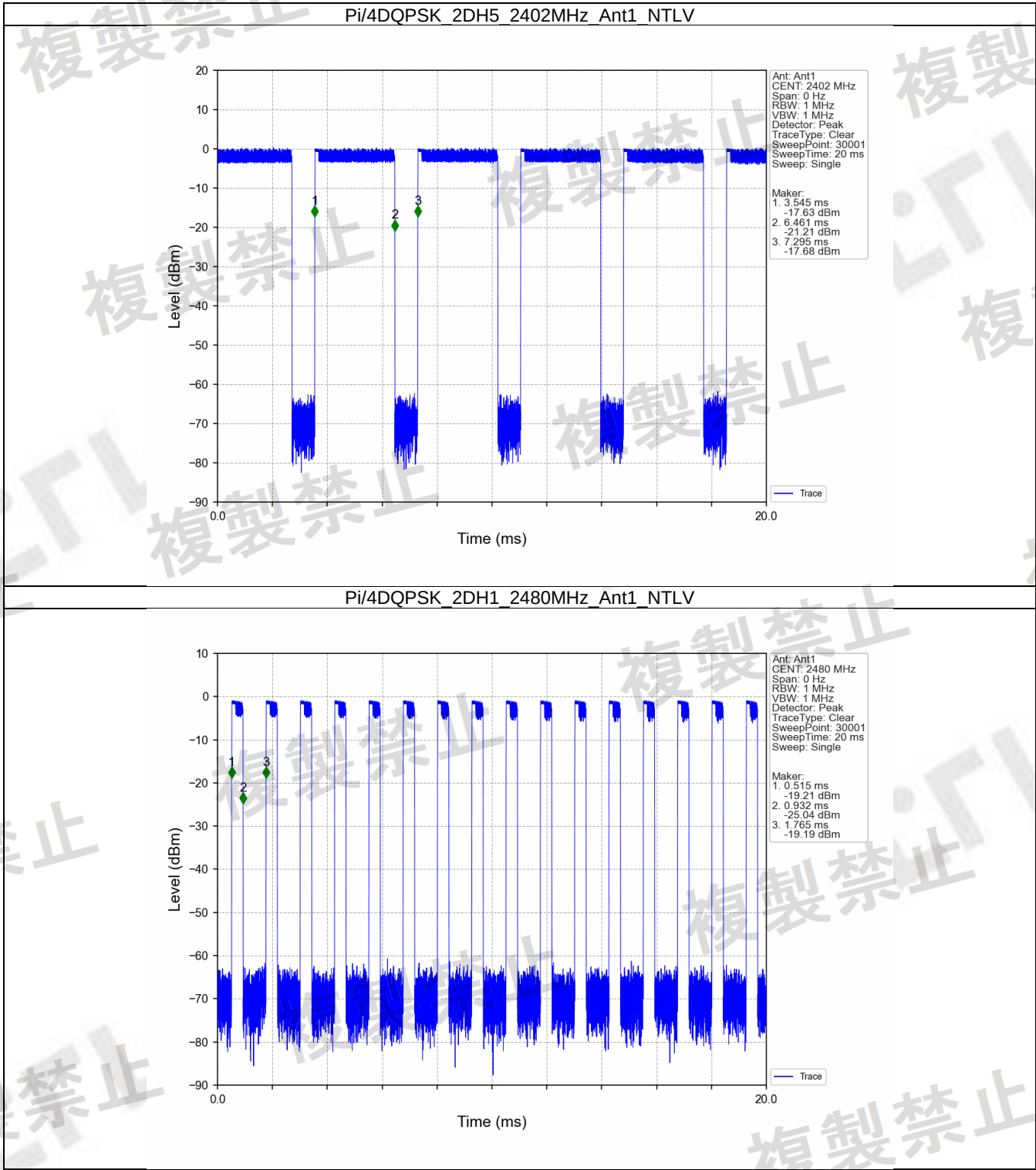
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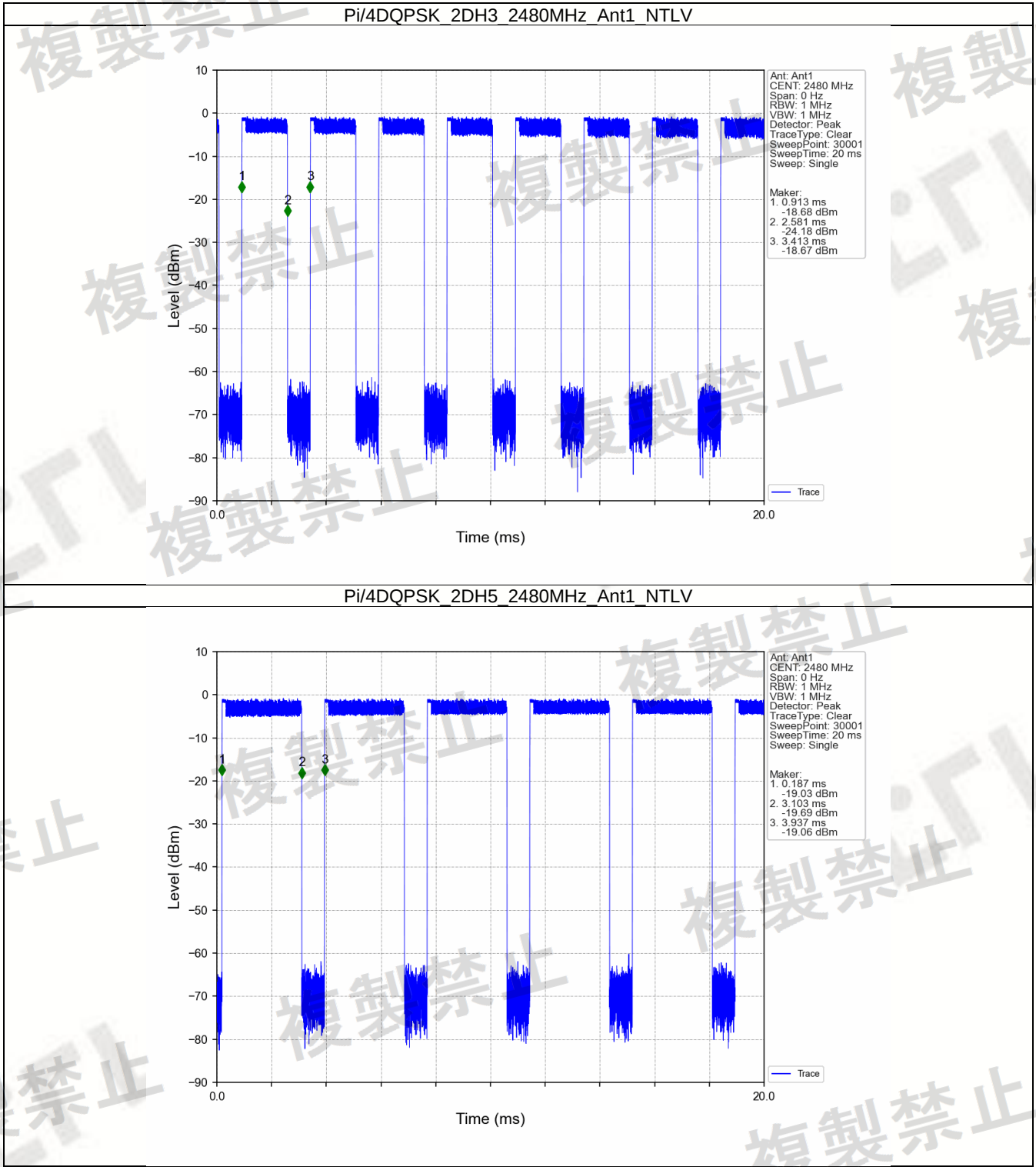
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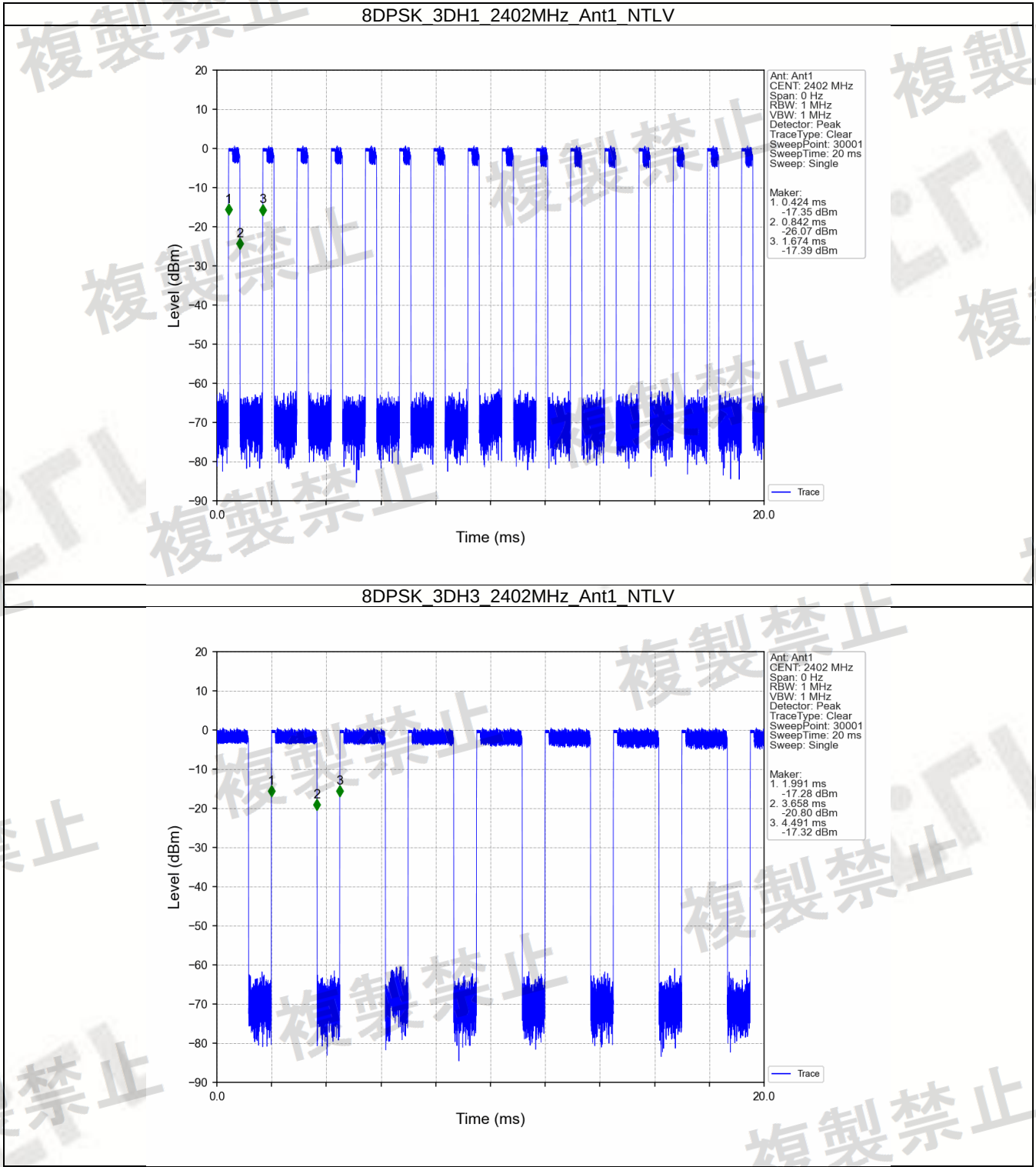
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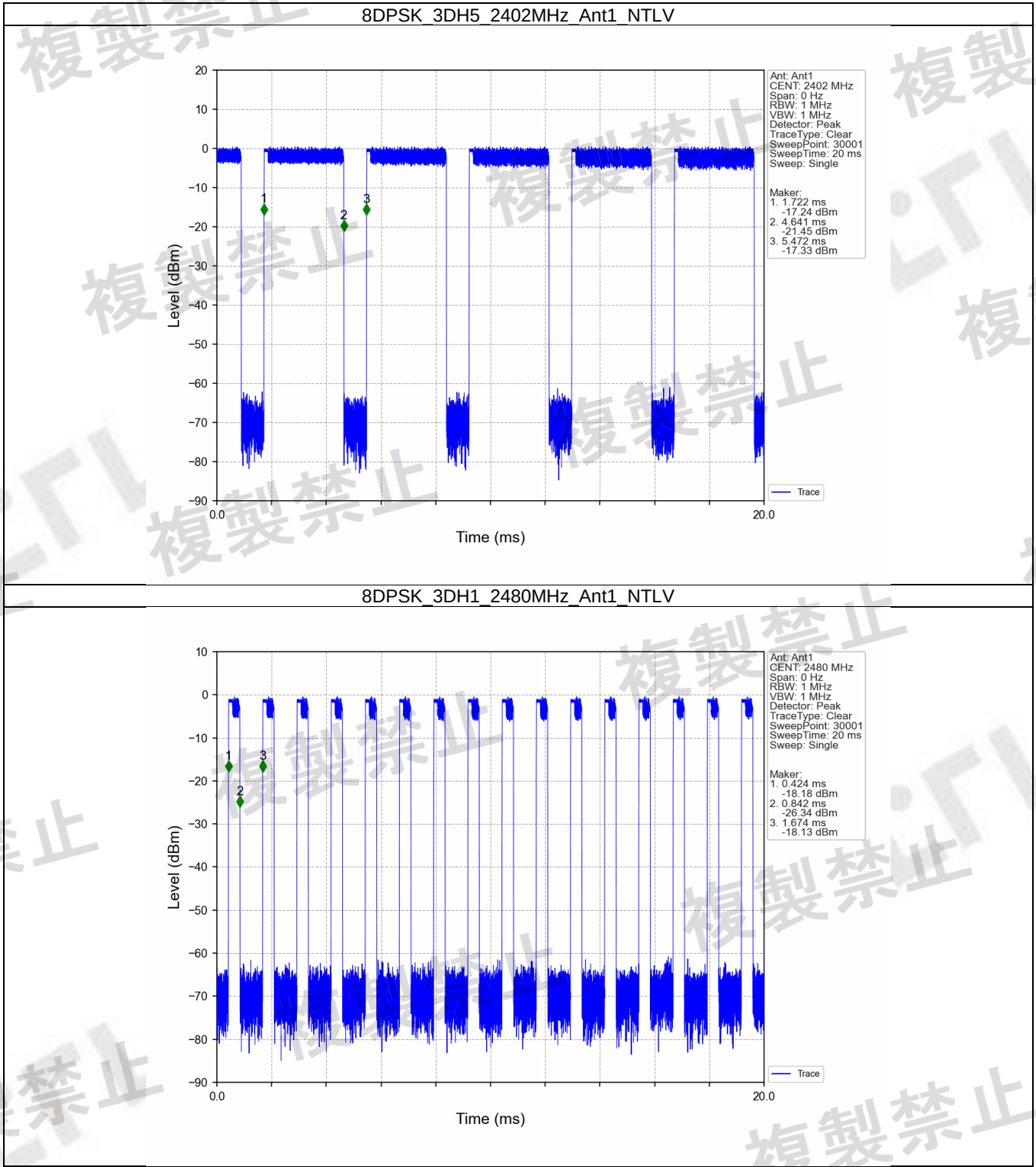
MIC: 219-259748



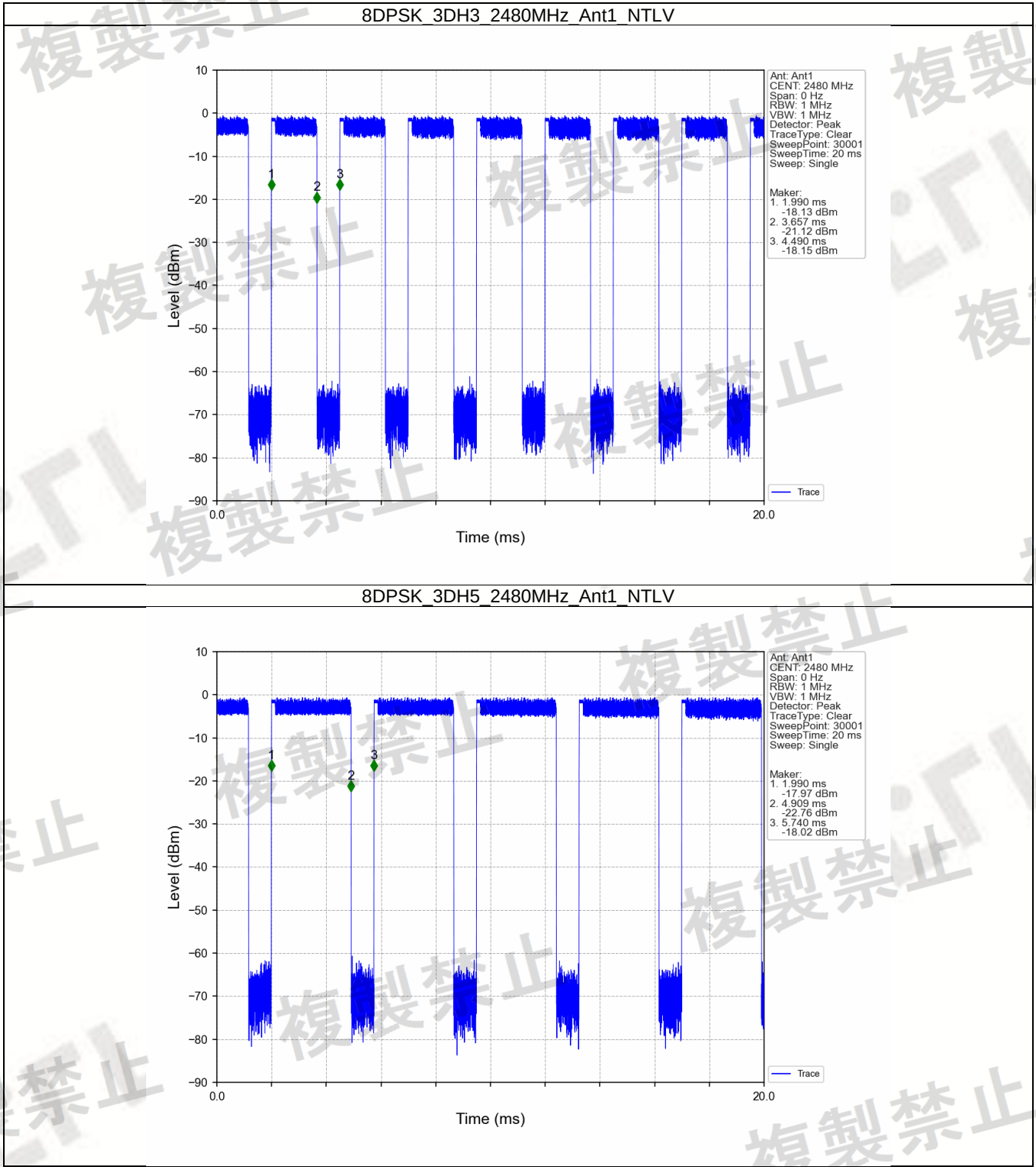
MIC: 219-259748



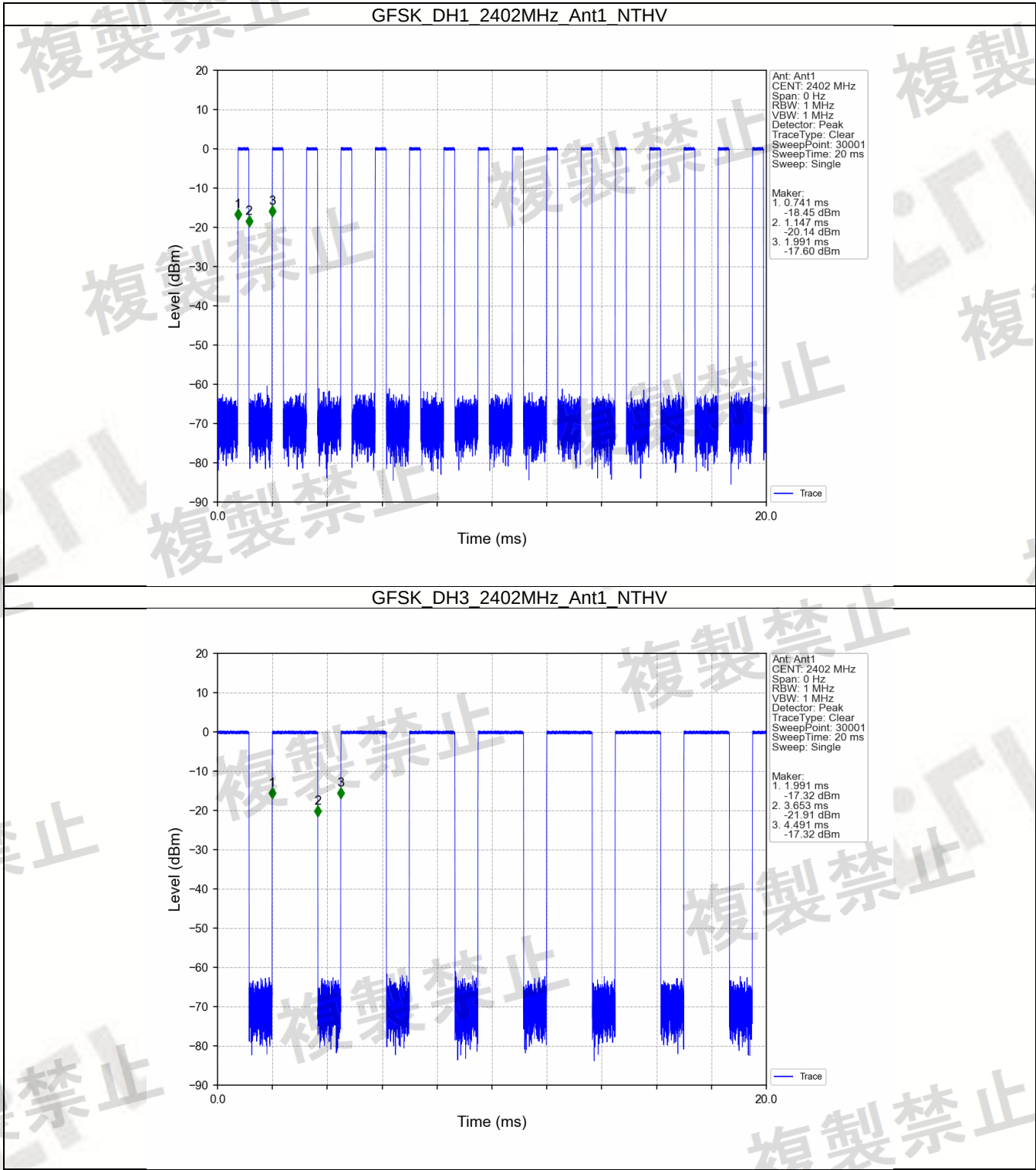
MIC: 219-259748



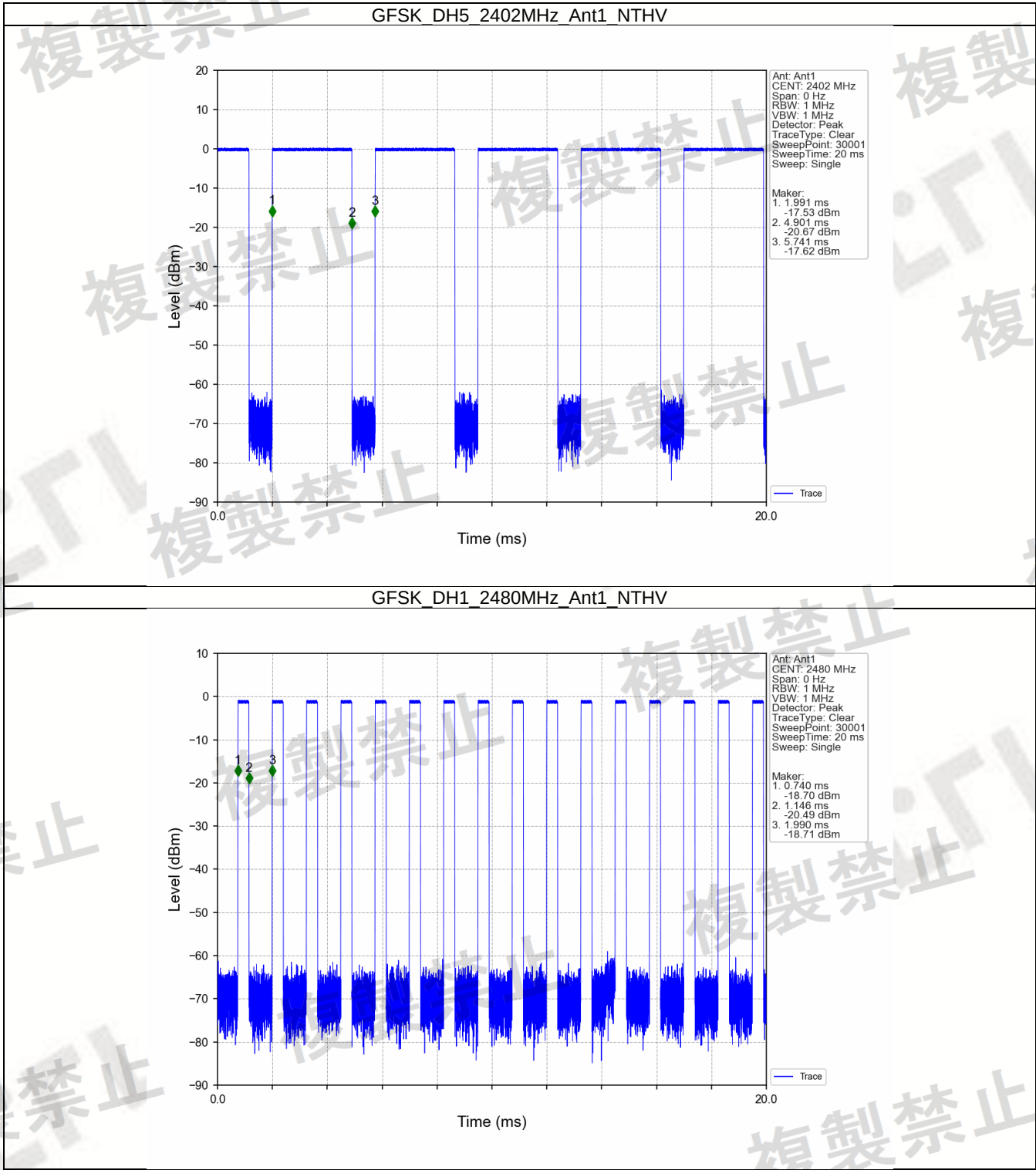
MIC: 219-259748



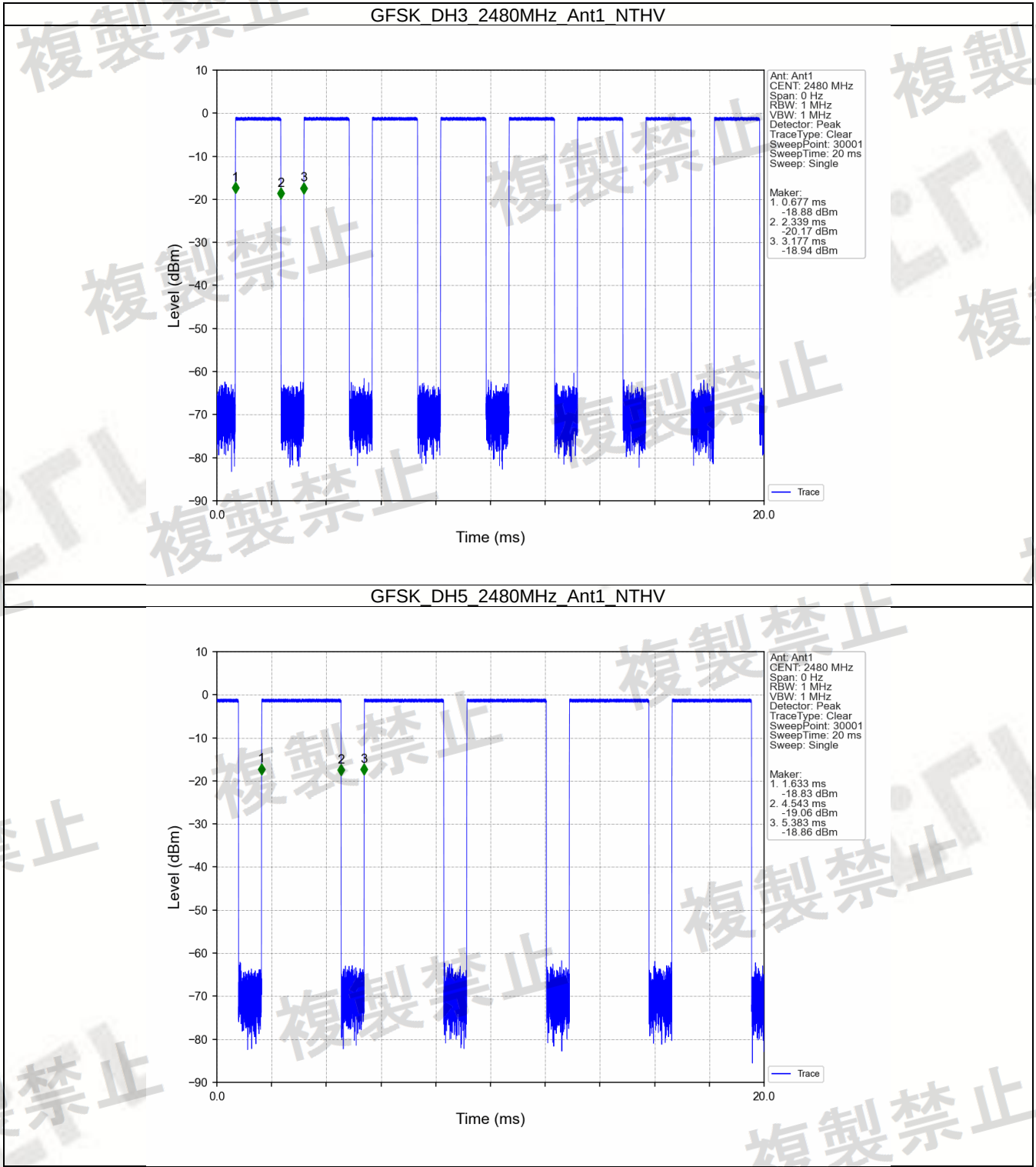
MIC: 219-259748



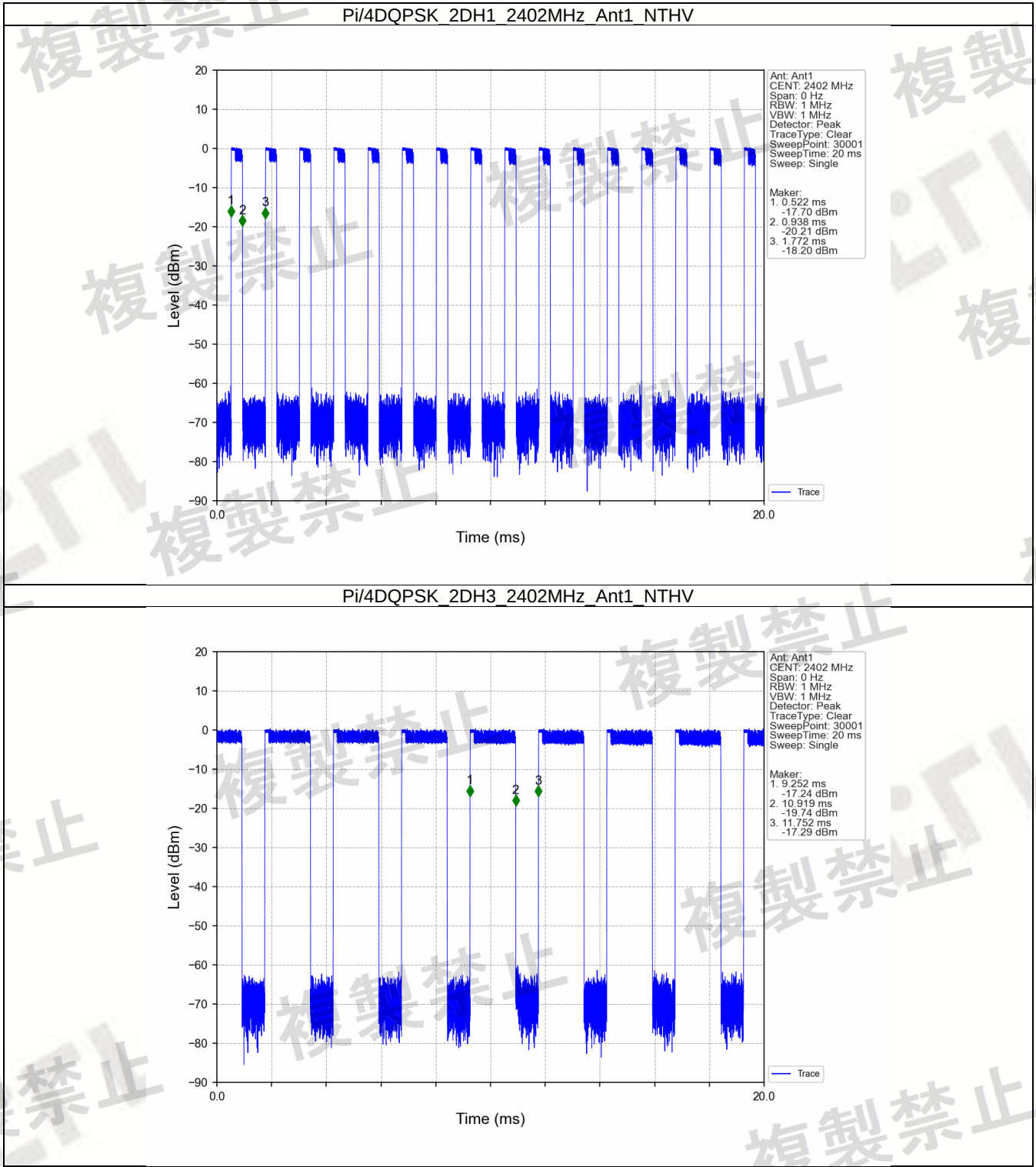
MIC: 219-259748



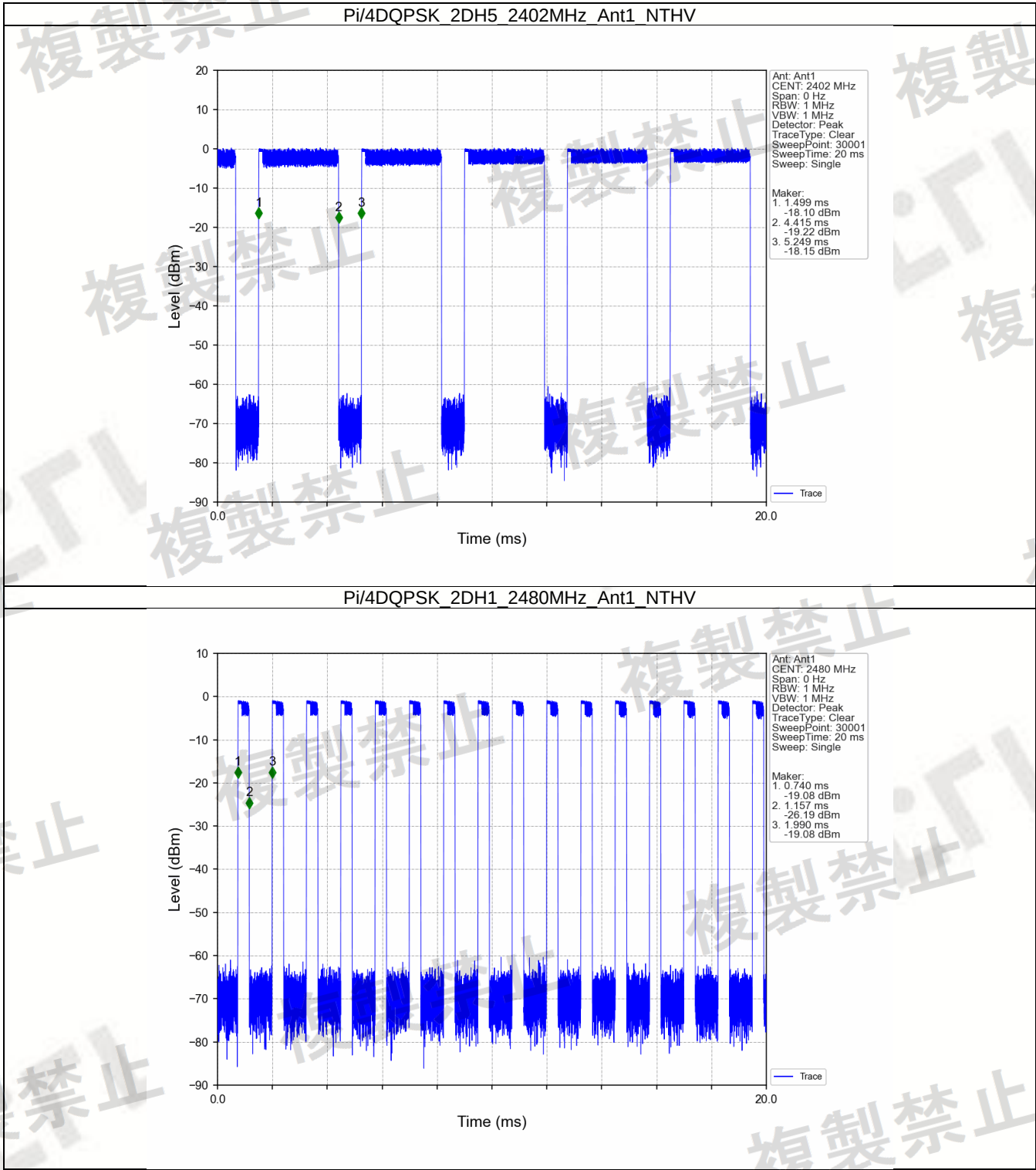
MIC: 219-259748



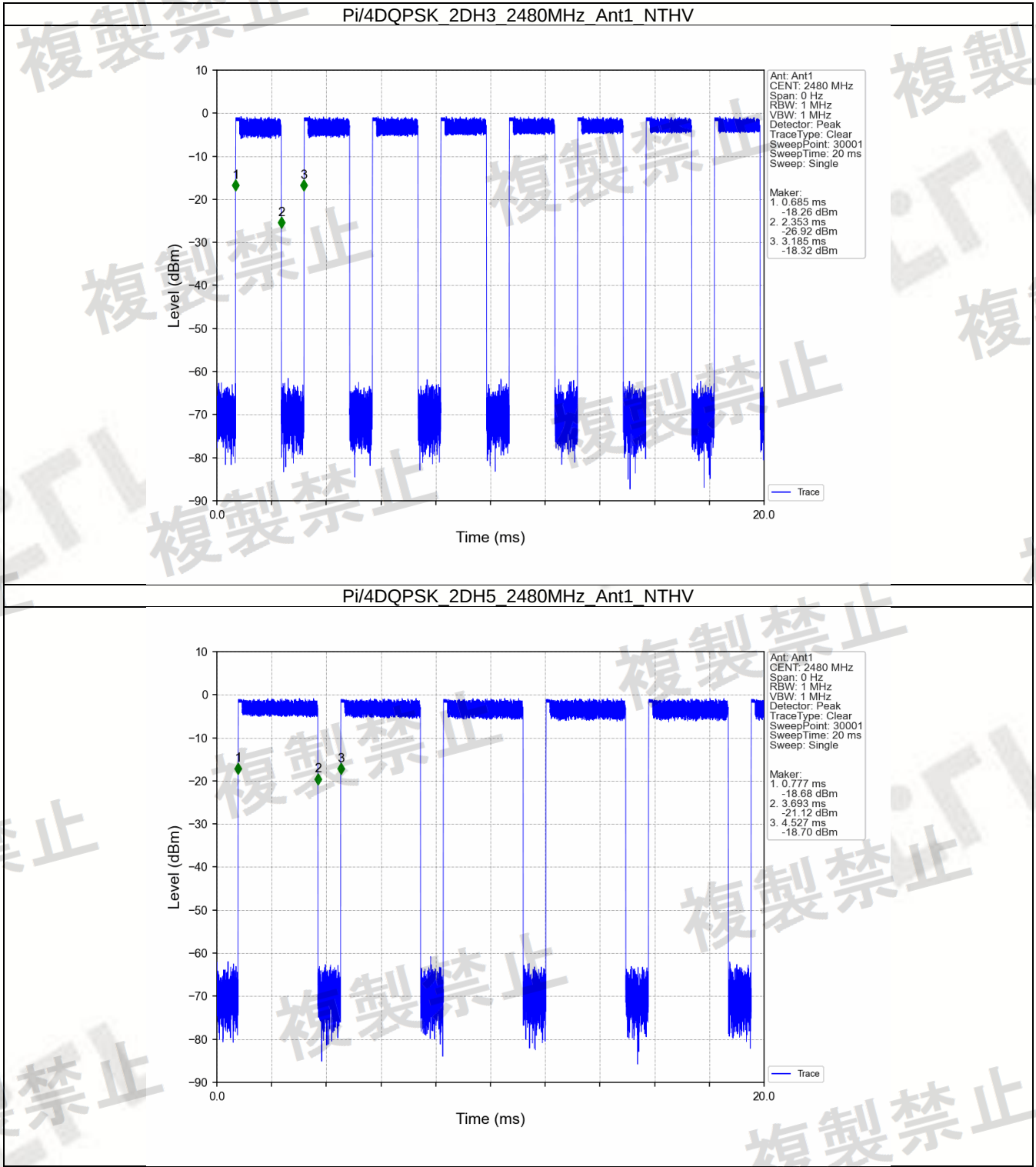
MIC: 219-259748



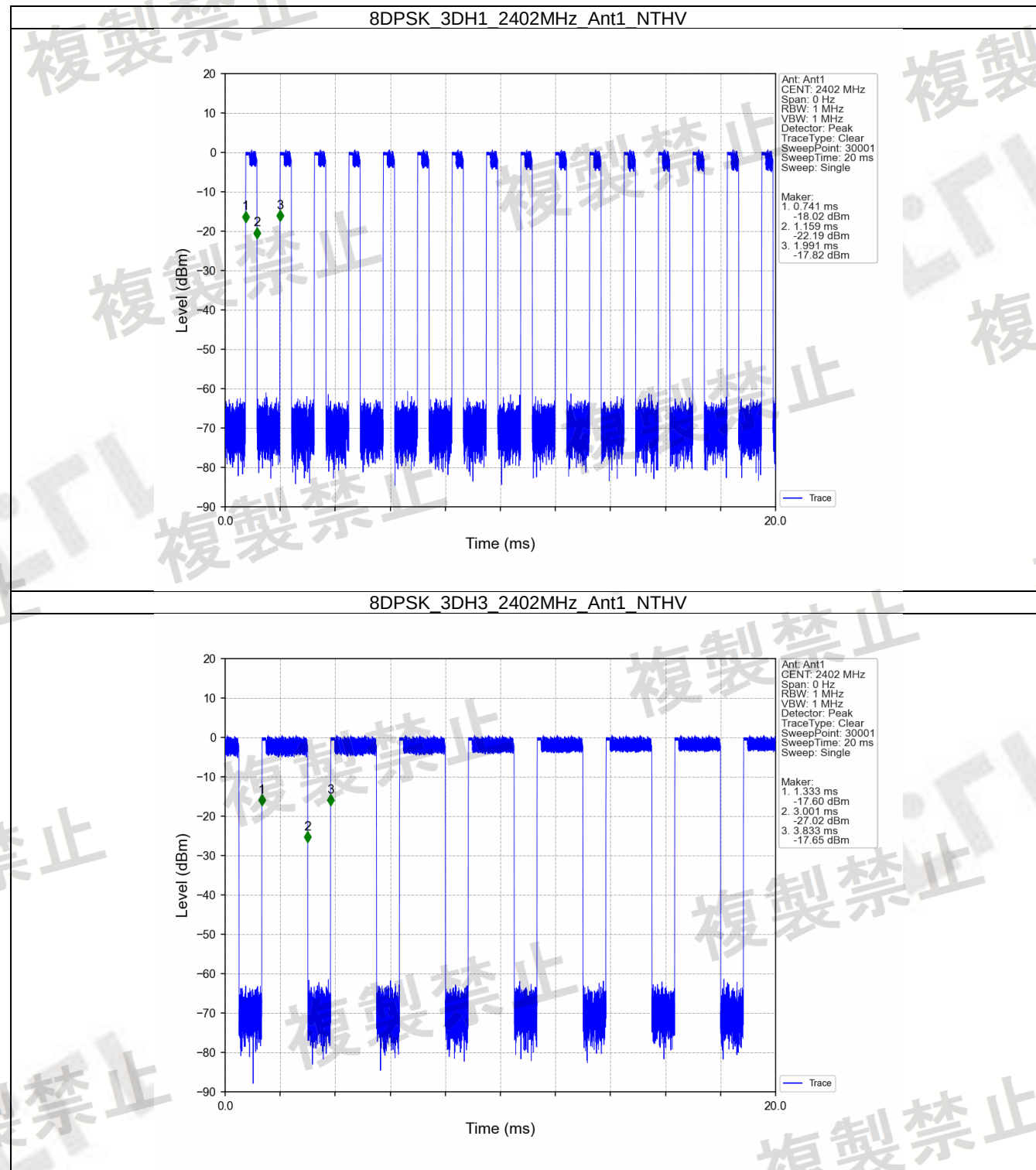
MIC: 219-259748



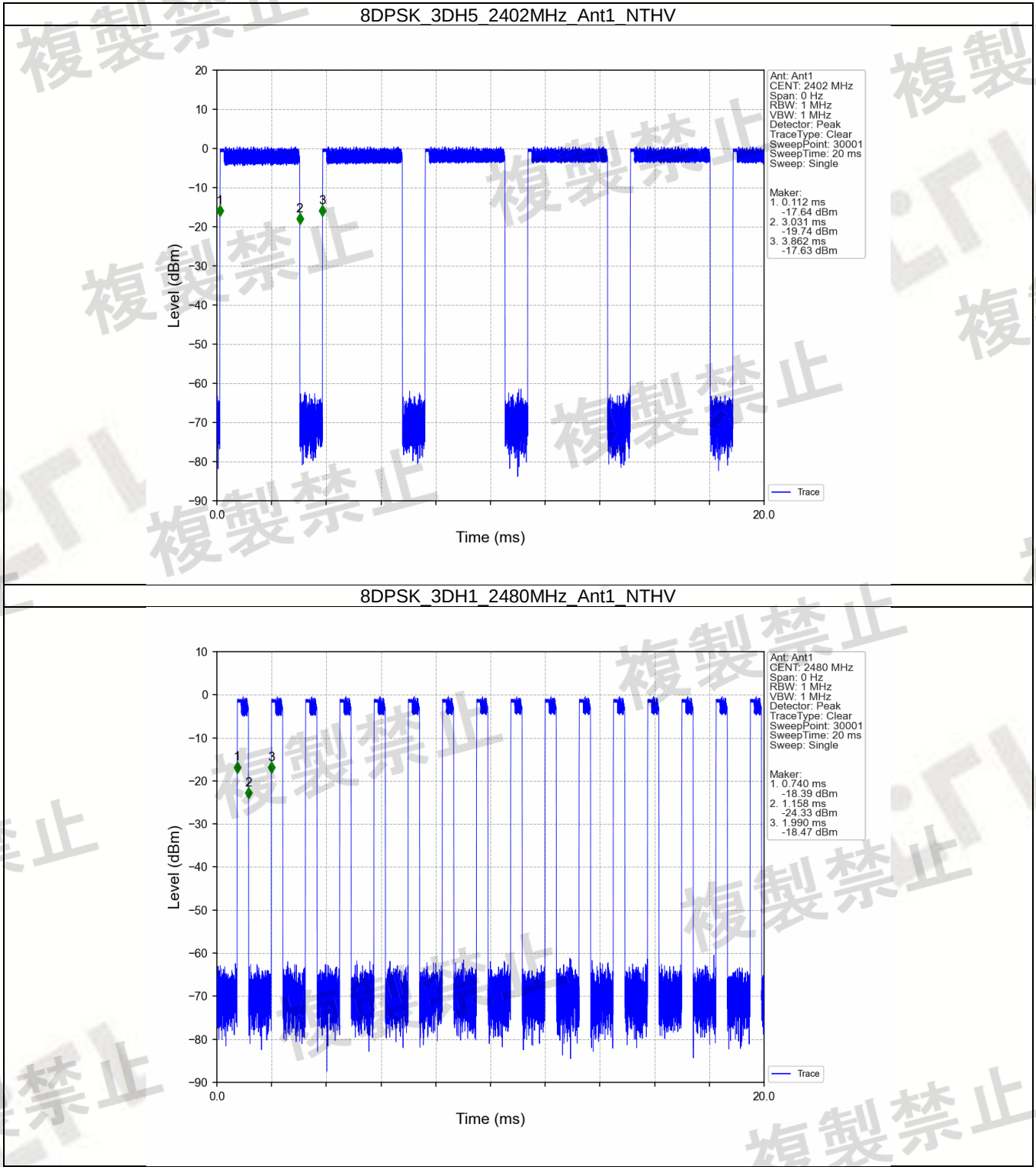
MIC: 219-259748



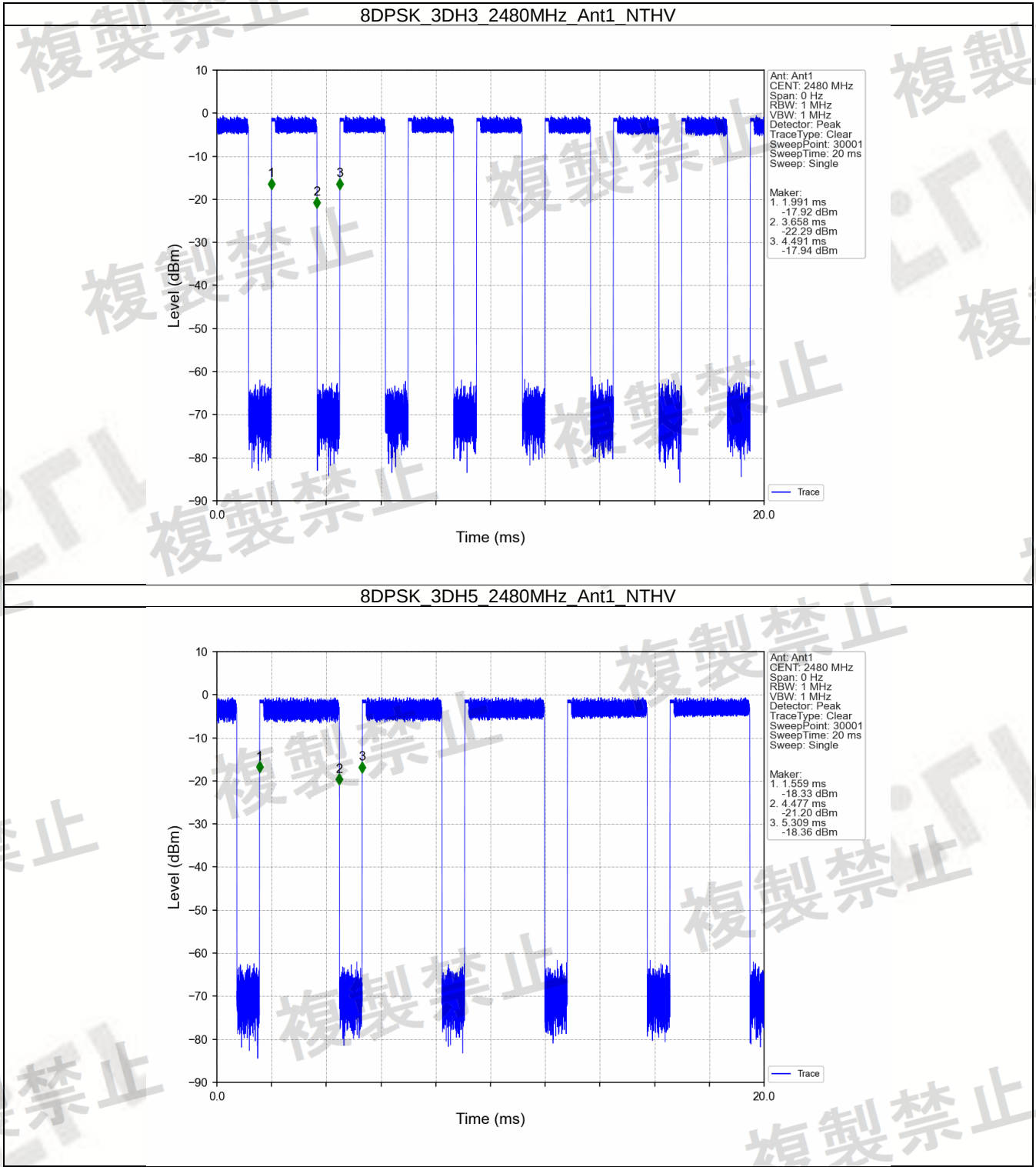
MIC: 219-259748



MIC: 219-259748



MIC: 219-259748



MIC: 219-259748

6. Spurious Emission Intensity

6.1 Test Result

6.1.1 TxSe_NTNV

NTNV												
Mode	TX Type	Freq. (MHz)	ANT	Freq. Range		Marker					Limit (uW /MHz)	Verdict
				Start (MHz)	Stop (MHz)	Freq. (MHz)	PK Power (dBm /MHz)	PK Power (uW /MHz)	AV Power (dBm /MHz)	AV Power (uW /MHz)		
GFSK	SISO	2402	1	30	2387	893	-50.94	0.008	/	/	2.5	Pass
				2387	2400	2399.935	-36.53	0.222	/	/	25	Pass
				2483.5	2496.5	2493.484	-59.32	0.001	/	/	25	Pass
				2496.5	12500	7206	-41.69	0.068	/	/	2.5	Pass
		2480	1	30	2387	2213.5	-56.49	0.002	/	/	2.5	Pass
				2387	2400	2397.27	-59.52	0.001	/	/	25	Pass
				2483.5	2496.5	2484.618	-48.86	0.013	/	/	25	Pass
				2496.5	12500	7440	-44.13	0.039	/	/	2.5	Pass
Pi/4DQPSK	SISO	2402	1	30	2387	2118	-56.81	0.002	/	/	2.5	Pass
				2387	2400	2399.961	-32.59	0.551	/	/	25	Pass
				2483.5	2496.5	2493.367	-59.16	0.001	/	/	25	Pass
				2496.5	12500	7206.5	-41.11	0.077	/	/	2.5	Pass
		2480	1	30	2387	2177.5	-56.32	0.002	/	/	2.5	Pass
				2387	2400	2388.183	-59.05	0.001	/	/	25	Pass
				2483.5	2496.5	2483.578	-43.64	0.043	/	/	25	Pass
				2496.5	12500	7440	-44.51	0.035	/	/	2.5	Pass
8DPSK	SISO	2402	1	30	2387	1939.5	-55.65	0.003	/	/	2.5	Pass
				2387	2400	2399.987	-32.33	0.585	/	/	25	Pass
				2483.5	2496.5	2488.141	-59.35	0.001	/	/	25	Pass
				2496.5	12500	7206	-41.73	0.067	/	/	2.5	Pass
		2480	1	30	2387	1938.5	-56.28	0.002	/	/	2.5	Pass
				2387	2400	2388.456	-58.81	0.001	/	/	25	Pass
				2483.5	2496.5	2483.539	-42.62	0.055	/	/	25	Pass
				2496.5	12500	7439.5	-44.97	0.032	/	/	2.5	Pass

6.1.2 TxSe_NTLV

NTLV												
Mode	TX Type	Freq. (MHz)	ANT	Freq. Range		Marker					Limit (uW /MHz)	Verdict
				Start (MHz)	Stop (MHz)	Freq. (MHz)	PK Power (dBm /MHz)	PK Power (uW /MHz)	AV Power (dBm /MHz)	AV Power (uW /MHz)		
GFSK	SISO	2402	1	30	2387	731.5	-48.44	0.014	/	/	2.5	Pass
				2387	2400	2399.896	-37.20	0.191	/	/	25	Pass
				2483.5	2496.5	2495.616	-59.81	0.001	/	/	25	Pass
				2496.5	12500	7206	-41.73	0.067	/	/	2.5	Pass
		2480	1	30	2387	890.5	-48.18	0.015	/	/	2.5	Pass
				2387	2400	2397.257	-59.51	0.001	/	/	25	Pass
				2483.5	2496.5	2484.683	-49.04	0.012	/	/	25	Pass
				2496.5	12500	7440	-44.58	0.035	/	/	2.5	Pass
Pi/4DQPSK	SISO	2402	1	30	2387	2109	-55.64	0.003	/	/	2.5	Pass
				2387	2400	2399.987	-32.74	0.532	/	/	25	Pass

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		2480	1	2483.5	2496.5	2487.166	-59.28	0.001	/	/	25	Pass
				2496.5	12500	7206.5	-42.07	0.062	/	/	2.5	Pass
				30	2387	2205	-57.00	0.002	/	/	2.5	Pass
				2387	2400	2393.955	-58.87	0.001	/	/	25	Pass
				2483.5	2496.5	2483.539	-43.26	0.047	/	/	25	Pass
				2496.5	12500	7440	-45.53	0.028	/	/	2.5	Pass
8DPSK	SISO	2402	1	30	2387	2227.5	-56.33	0.002	/	/	2.5	Pass
				2387	2400	2399.987	-33.06	0.494	/	/	25	Pass
				2483.5	2496.5	2487.023	-59.38	0.001	/	/	25	Pass
				2496.5	12500	7206.5	-40.61	0.087	/	/	2.5	Pass
		2480	1	30	2387	2179.5	-56.39	0.002	/	/	2.5	Pass
				2387	2400	2391.641	-59.22	0.001	/	/	25	Pass
				2483.5	2496.5	2483.617	-42.86	0.052	/	/	25	Pass
				2496.5	12500	7440	-45.41	0.029	/	/	2.5	Pass

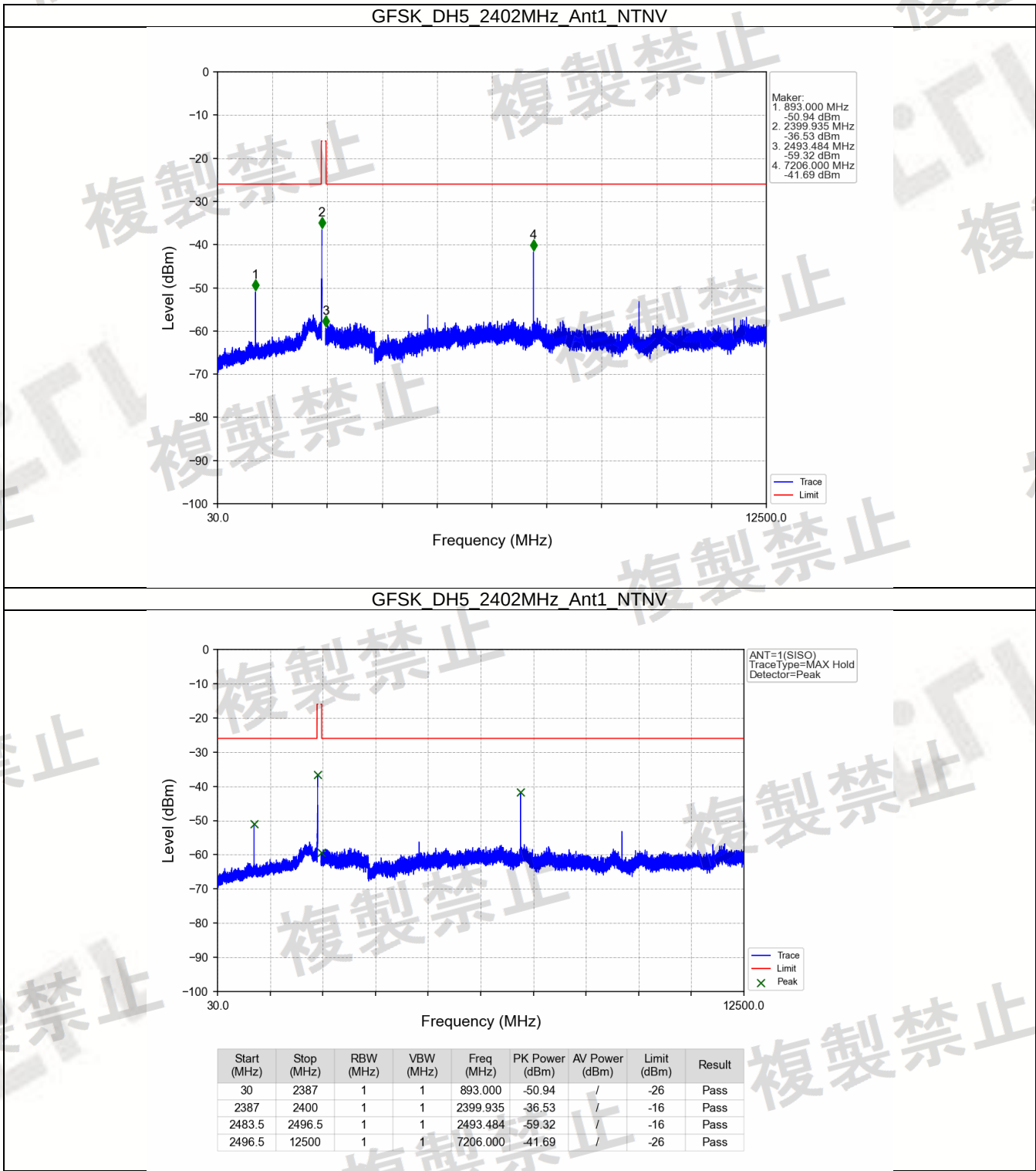
6.1.3 TxSe_NTHV

NTHV												
Mode	TX Type	Freq. (MHz)	ANT	Freq. Range		Marker					Limit (uW /MHz)	Verdict
				Start (MHz)	Stop (MHz)	Freq. (MHz)	PK Power (dBm /MHz)	PK Power (uW /MHz)	AV Power (dBm /MHz)	AV Power (uW /MHz)		
GFSK	SISO	2402	1	30	2387	893.5	-53.05	0.005	/	/	2.5	Pass
				2387	2400	2399.961	-35.54	0.279	/	/	25	Pass
				2483.5	2496.5	2492.34	-59.31	0.001	/	/	25	Pass
				2496.5	12500	7206.5	-41.54	0.070	/	/	2.5	Pass
		2480	1	30	2387	2136	-56.11	0.002	/	/	2.5	Pass
				2387	2400	2391.81	-59.66	0.001	/	/	25	Pass
				2483.5	2496.5	2484.8	-48.95	0.013	/	/	25	Pass
				2496.5	12500	7440.5	-44.47	0.036	/	/	2.5	Pass
Pi/4DQPSK	SISO	2402	1	30	2387	2236.5	-56.81	0.002	/	/	2.5	Pass
				2387	2400	2399.987	-32.46	0.568	/	/	25	Pass
				2483.5	2496.5	2493.055	-59.57	0.001	/	/	25	Pass
				2496.5	12500	7206.5	-42.02	0.063	/	/	2.5	Pass
		2480	1	30	2387	2167.5	-56.58	0.002	/	/	2.5	Pass
				2387	2400	2387.13	-59.37	0.001	/	/	25	Pass
				2483.5	2496.5	2483.682	-43.11	0.049	/	/	25	Pass
				2496.5	12500	7441	-46.18	0.024	/	/	2.5	Pass
8DPSK	SISO	2402	1	30	2387	2205.5	-56.87	0.002	/	/	2.5	Pass
				2387	2400	2399.987	-32.14	0.611	/	/	25	Pass
				2483.5	2496.5	2486.672	-59.16	0.001	/	/	25	Pass
				2496.5	12500	7206	-40.60	0.087	/	/	2.5	Pass
		2480	1	30	2387	2124	-56.07	0.002	/	/	2.5	Pass
				2387	2400	2392.629	-59.60	0.001	/	/	25	Pass
				2483.5	2496.5	2483.578	-42.42	0.057	/	/	25	Pass
				2496.5	12500	7440	-45.66	0.027	/	/	2.5	Pass

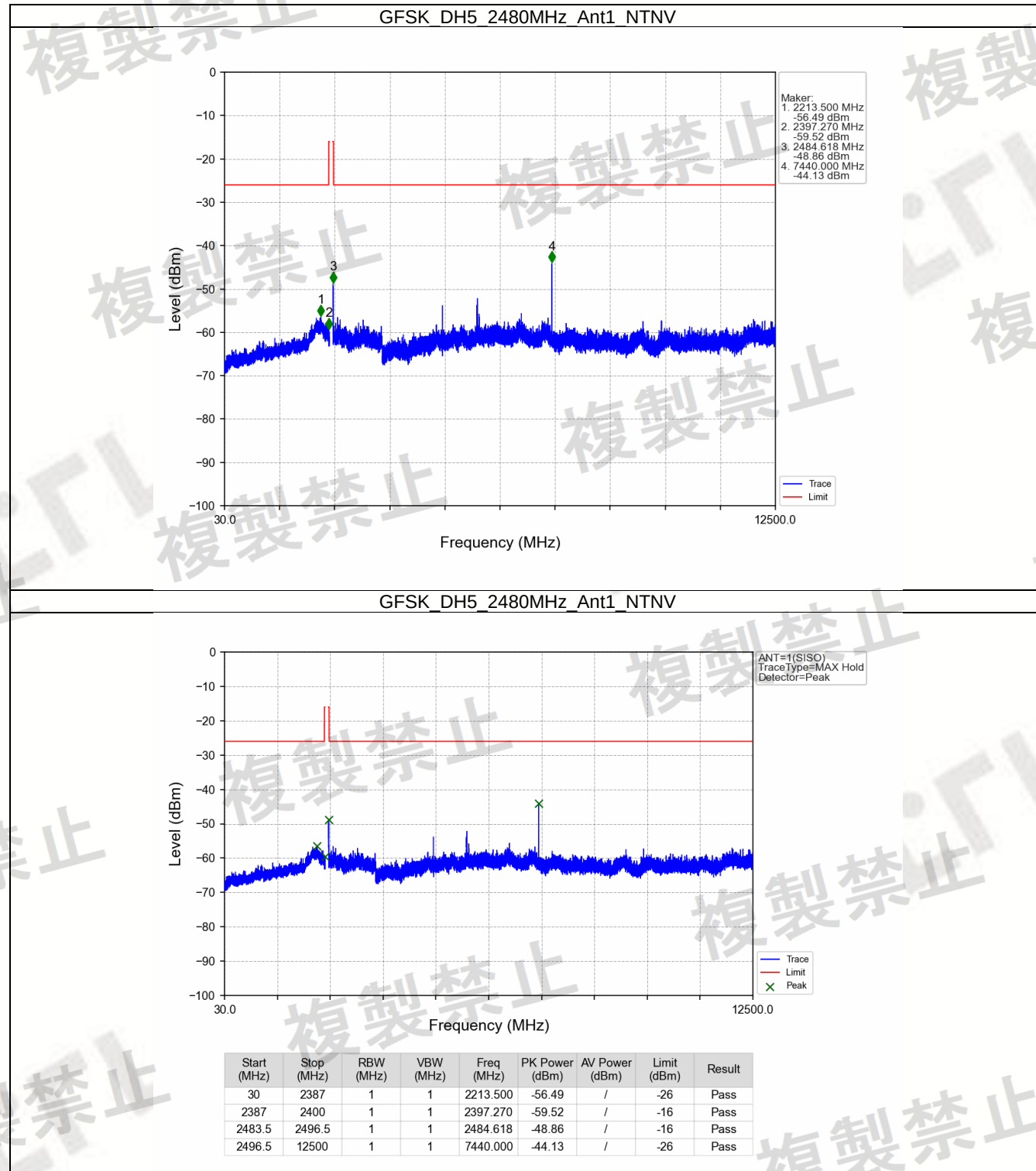
MIC: 219-259748

6.2 Test Graph

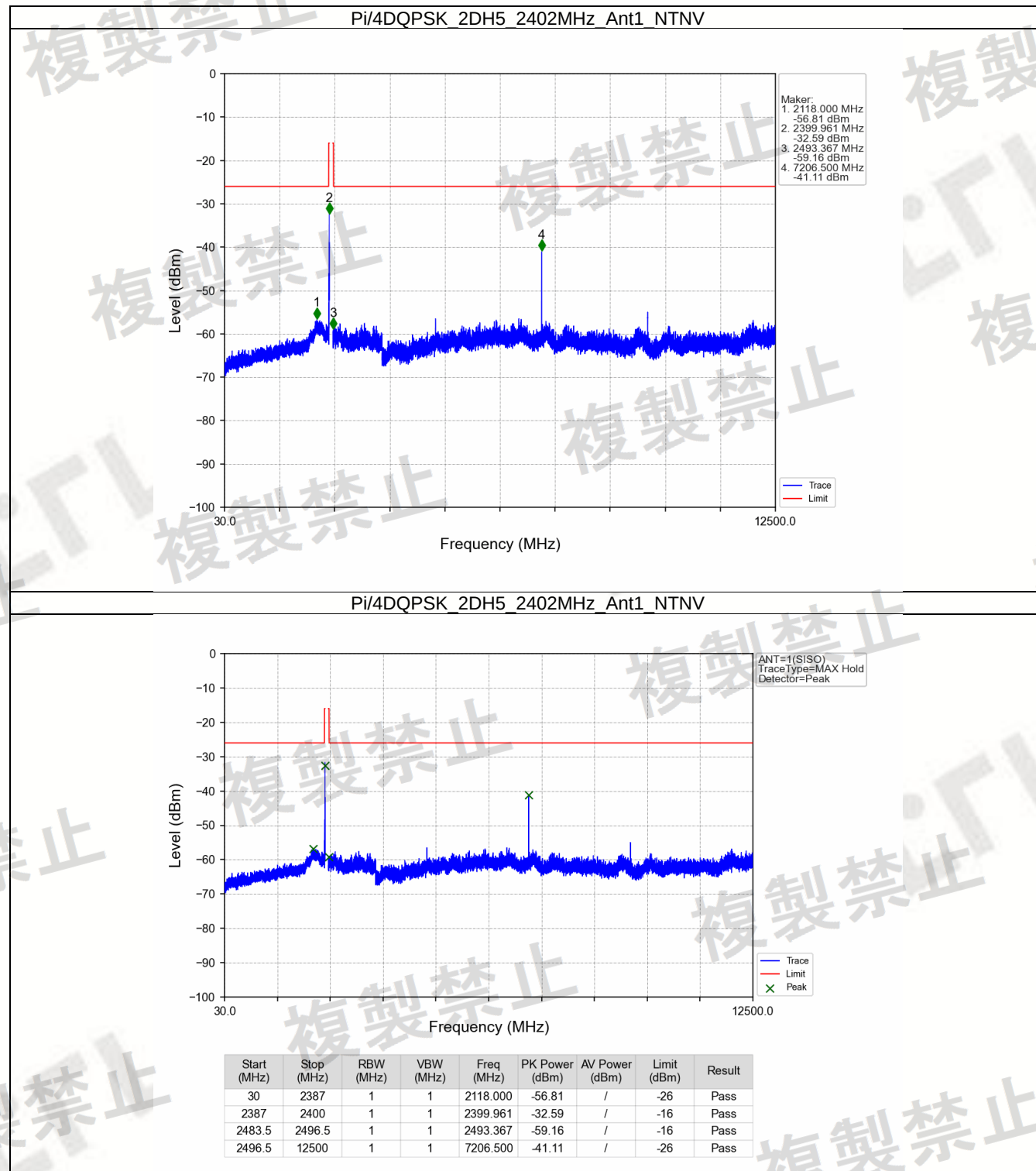
6.2.1 TxSe_NTNV



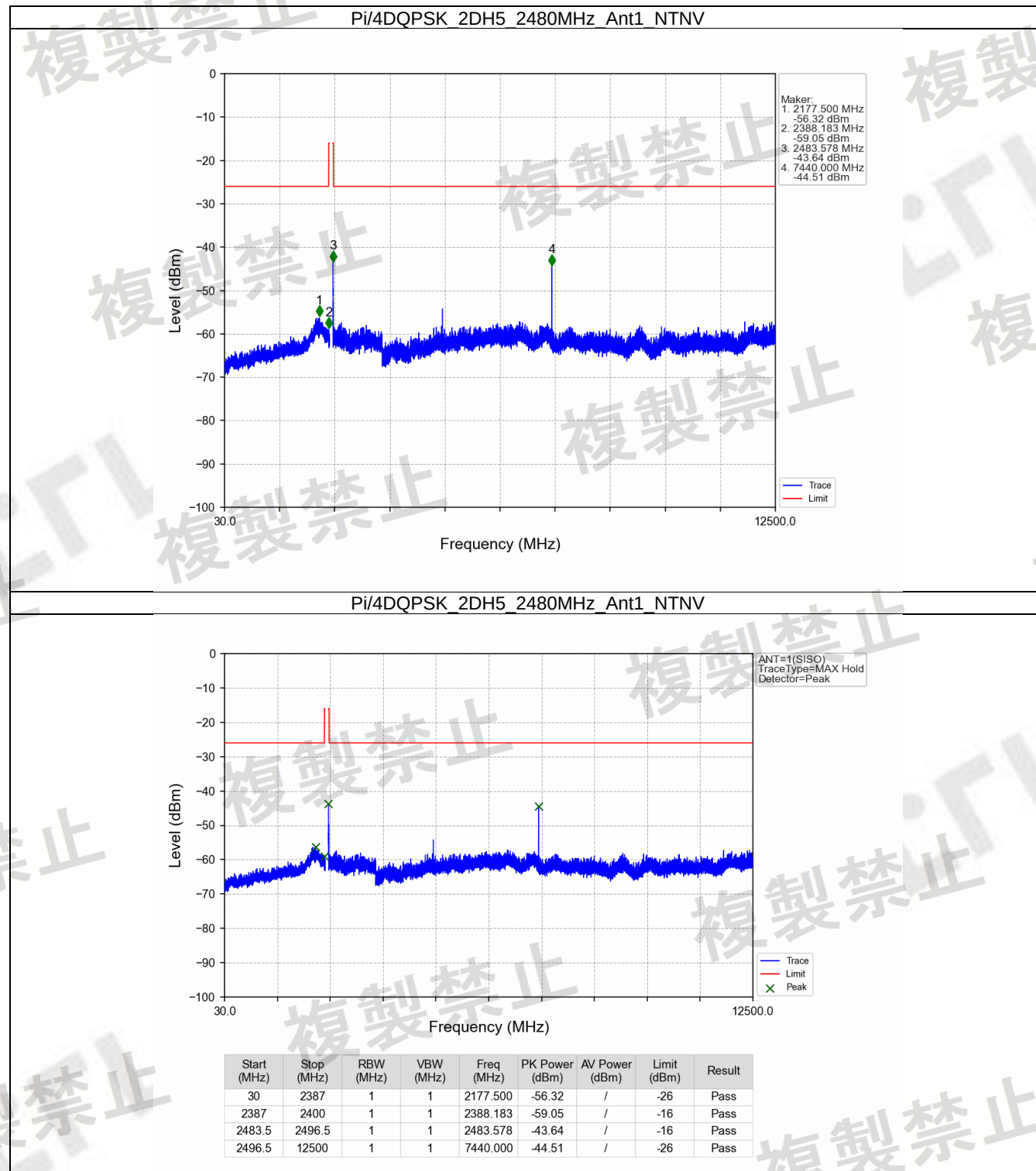
MIC: 219-259748



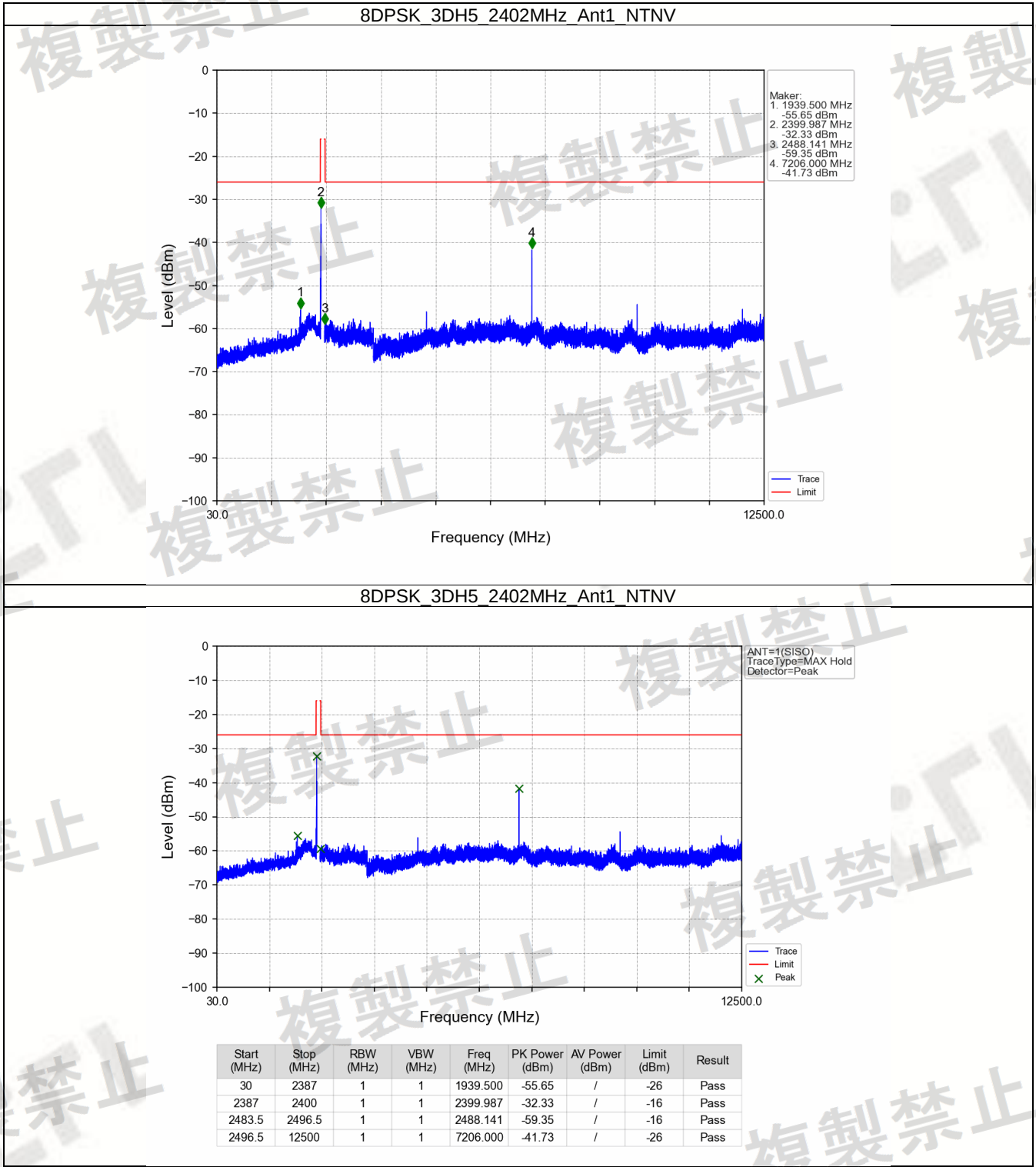
MIC: 219-259748



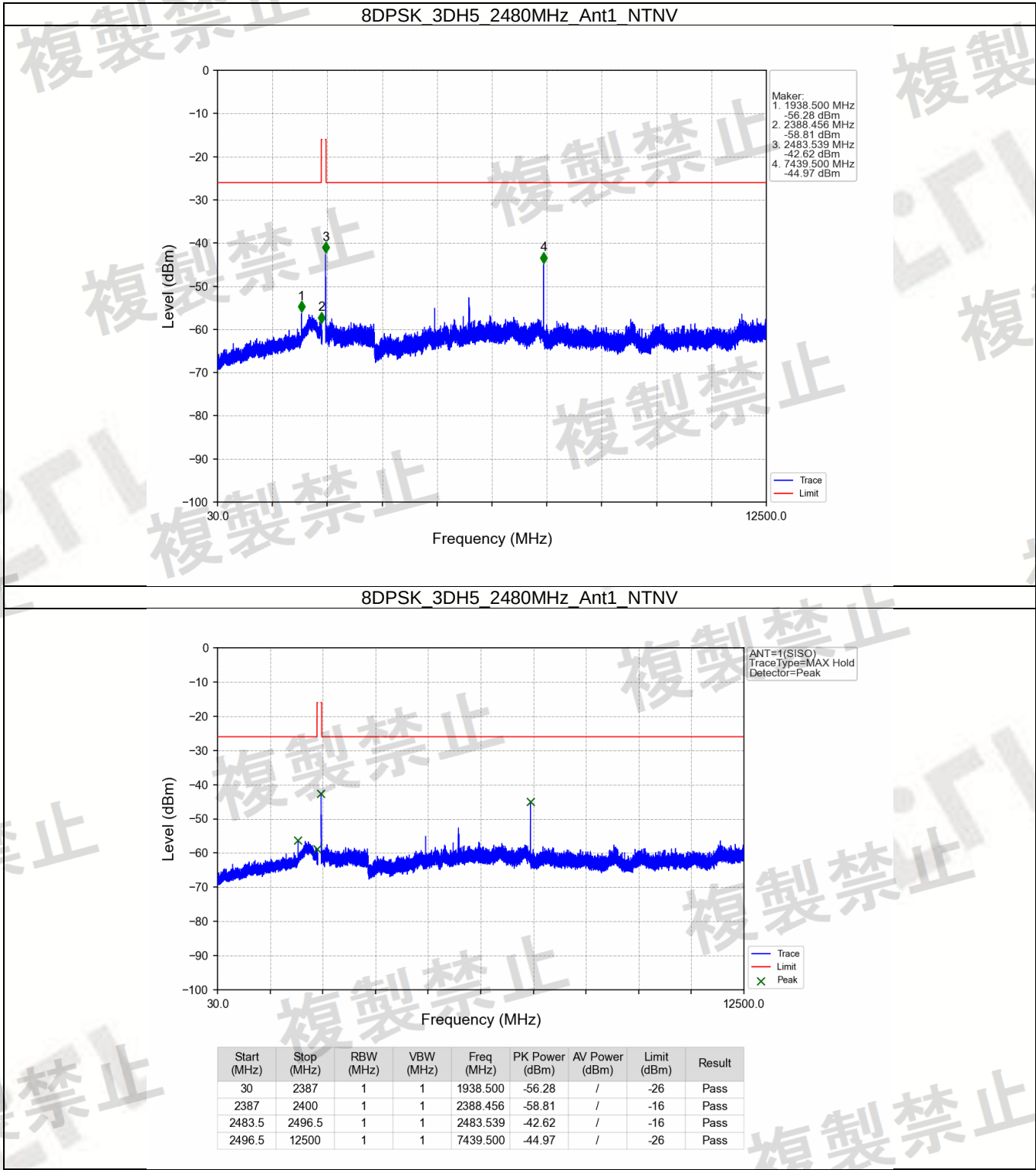
MIC: 219-259748



MIC: 219-259748

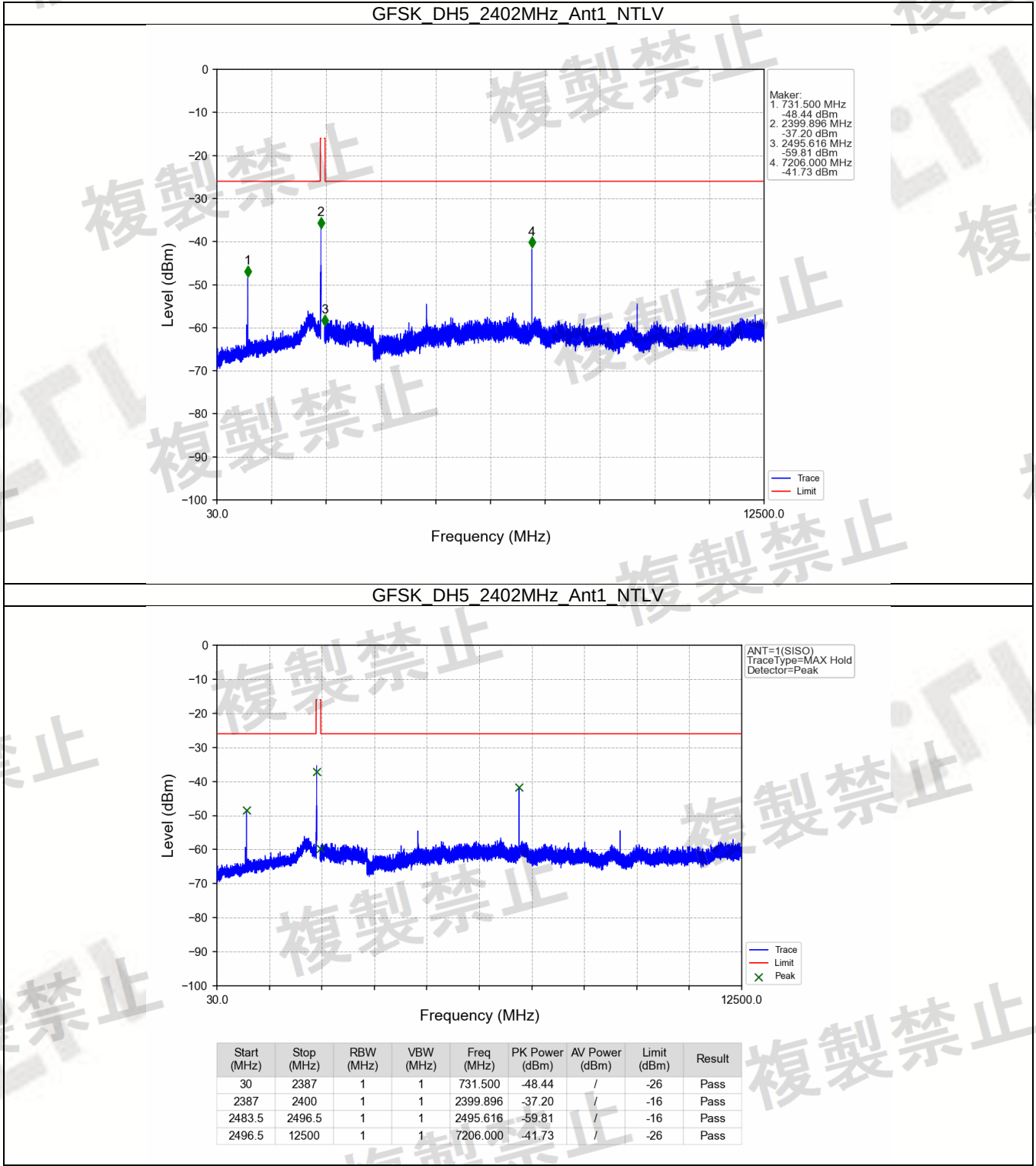


MIC: 219-259748

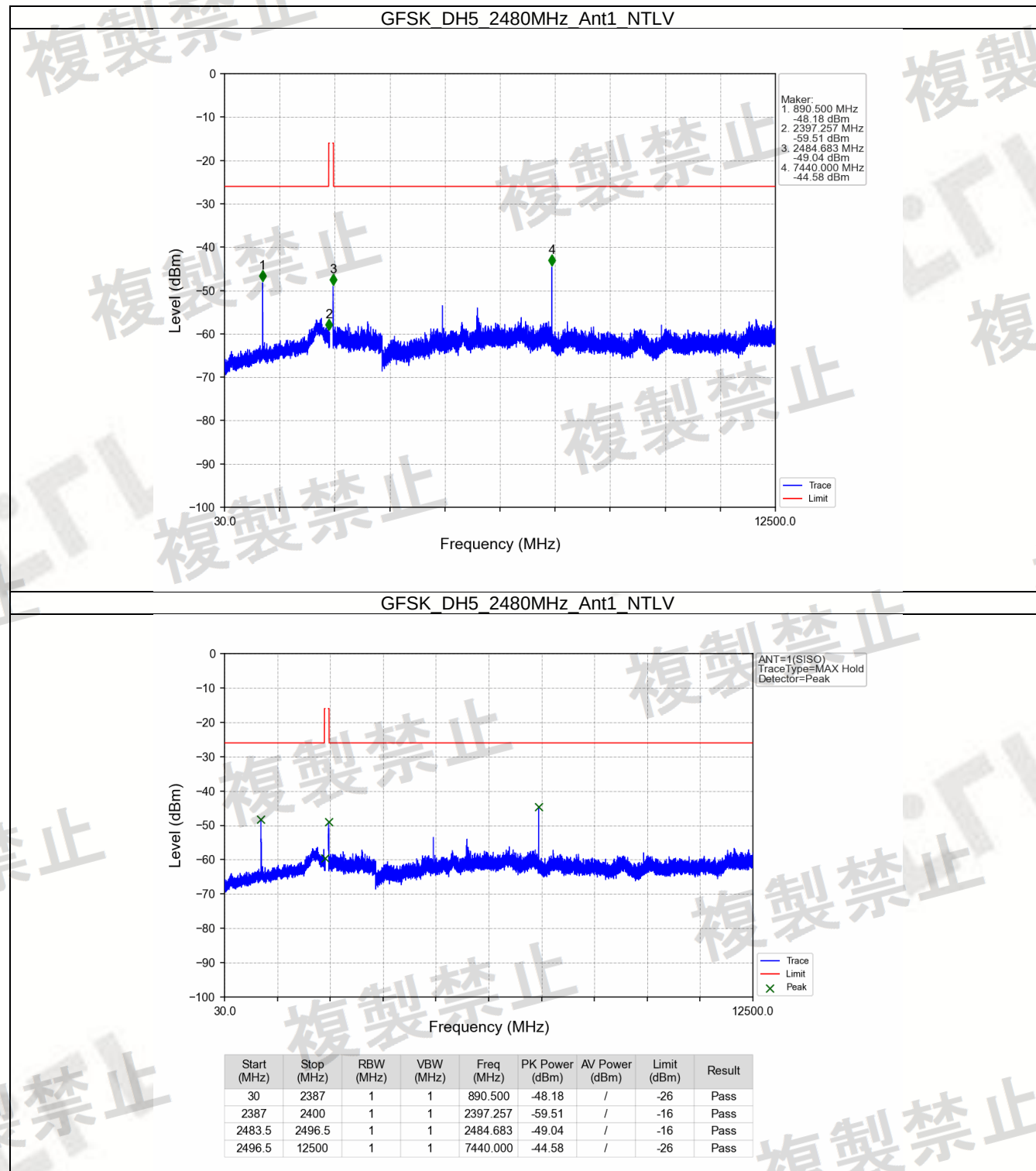


MIC: 219-259748

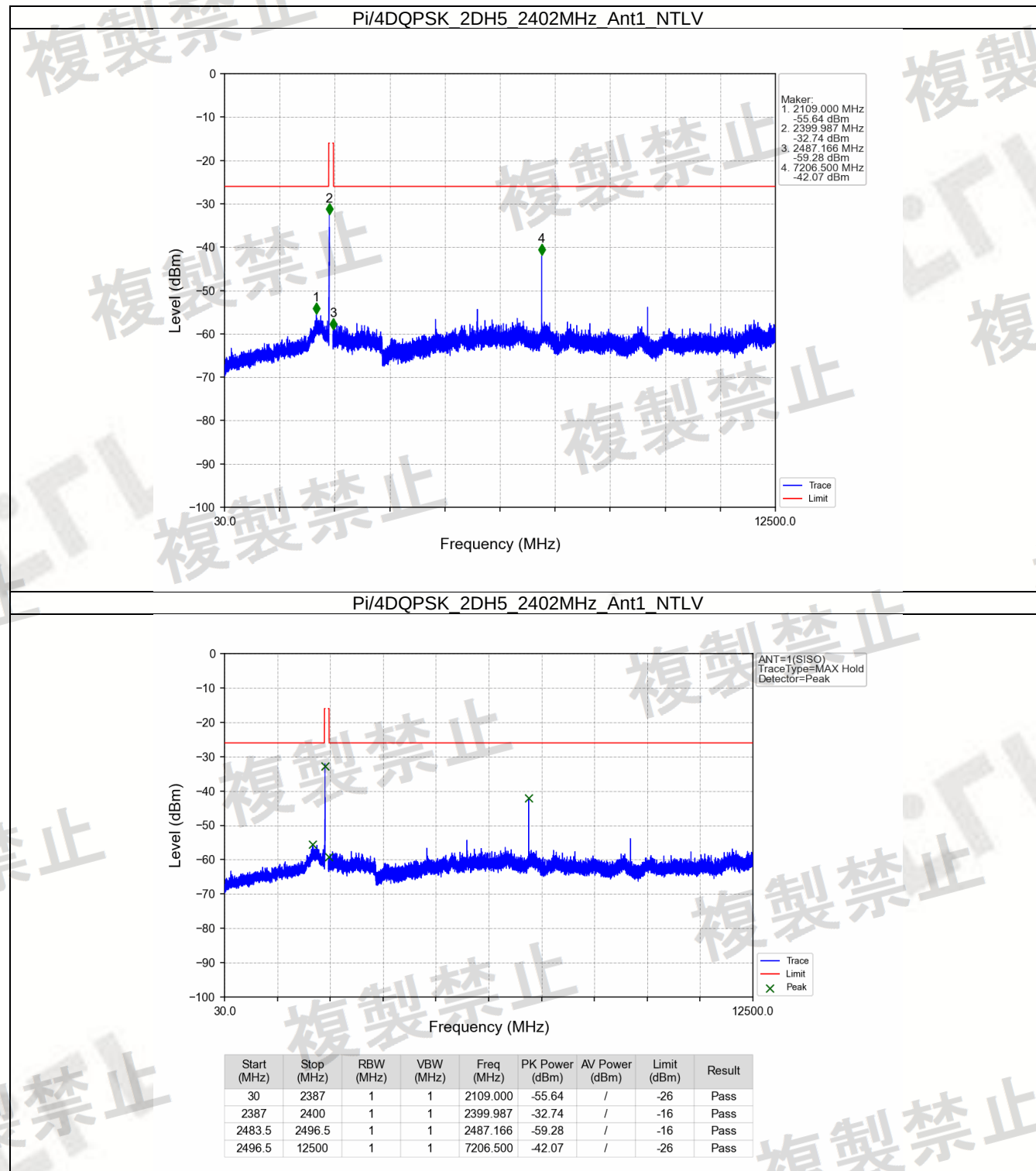
6.2.2 TxSe_NTLV



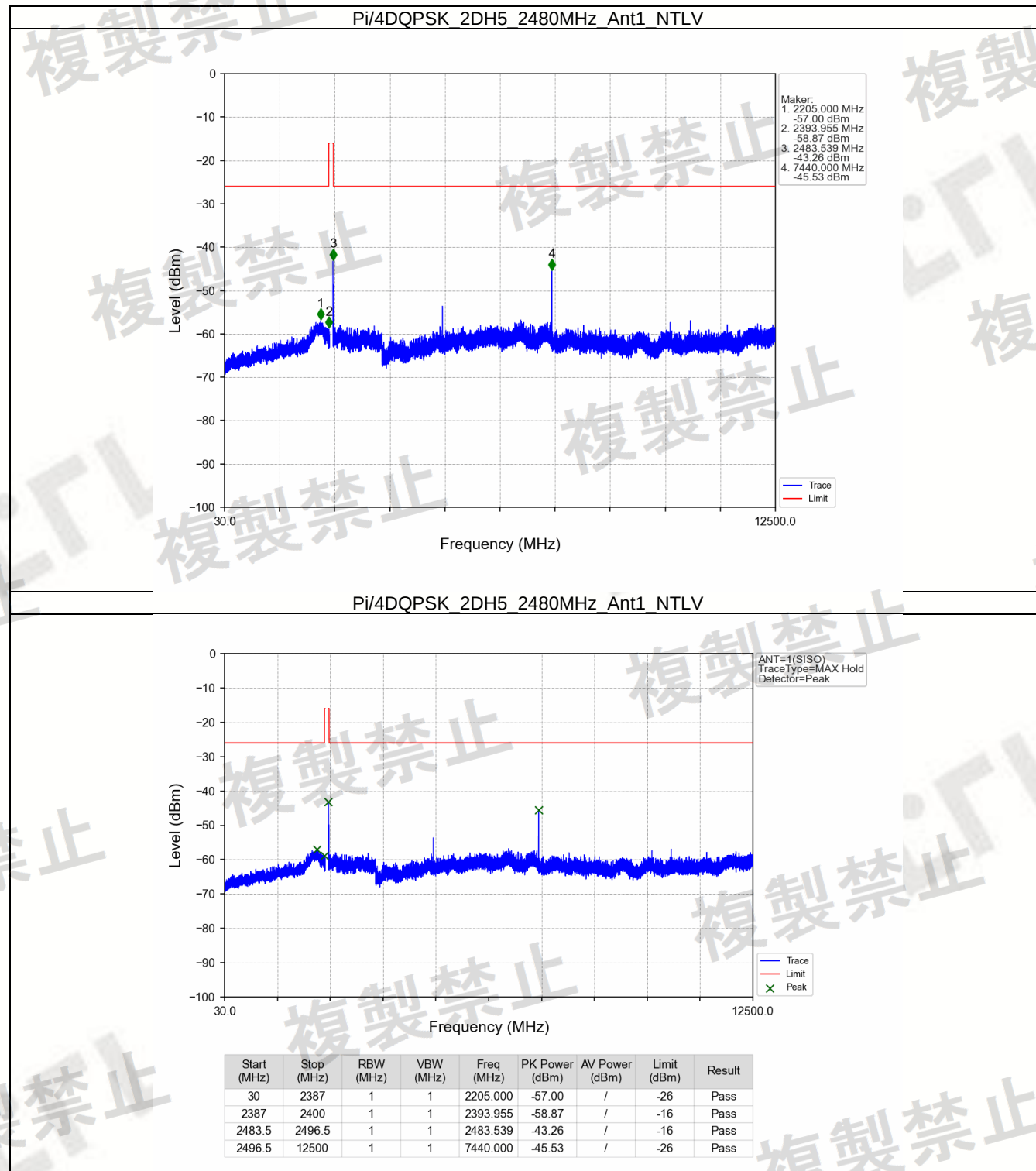
MIC: 219-259748



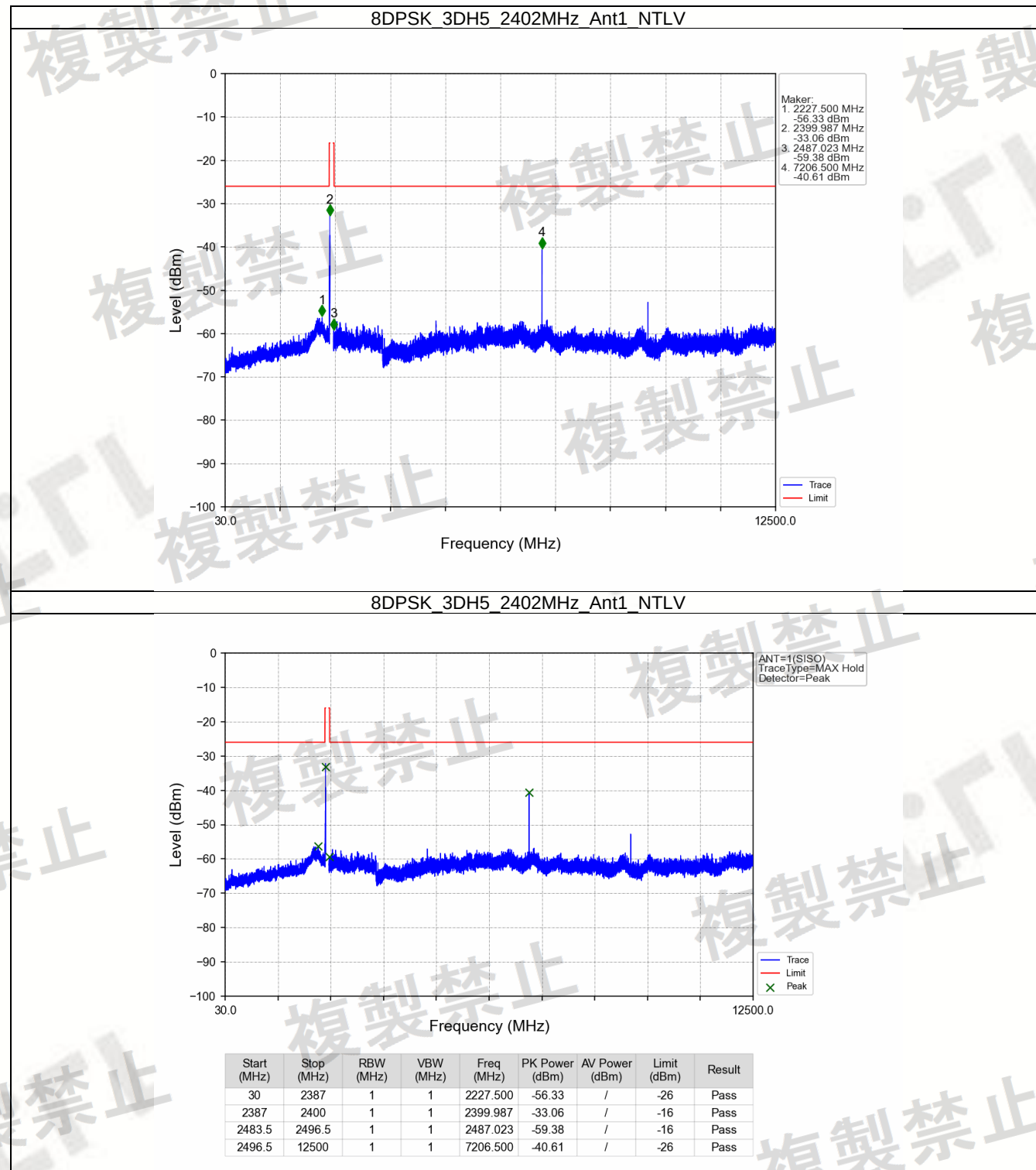
MIC: 219-259748



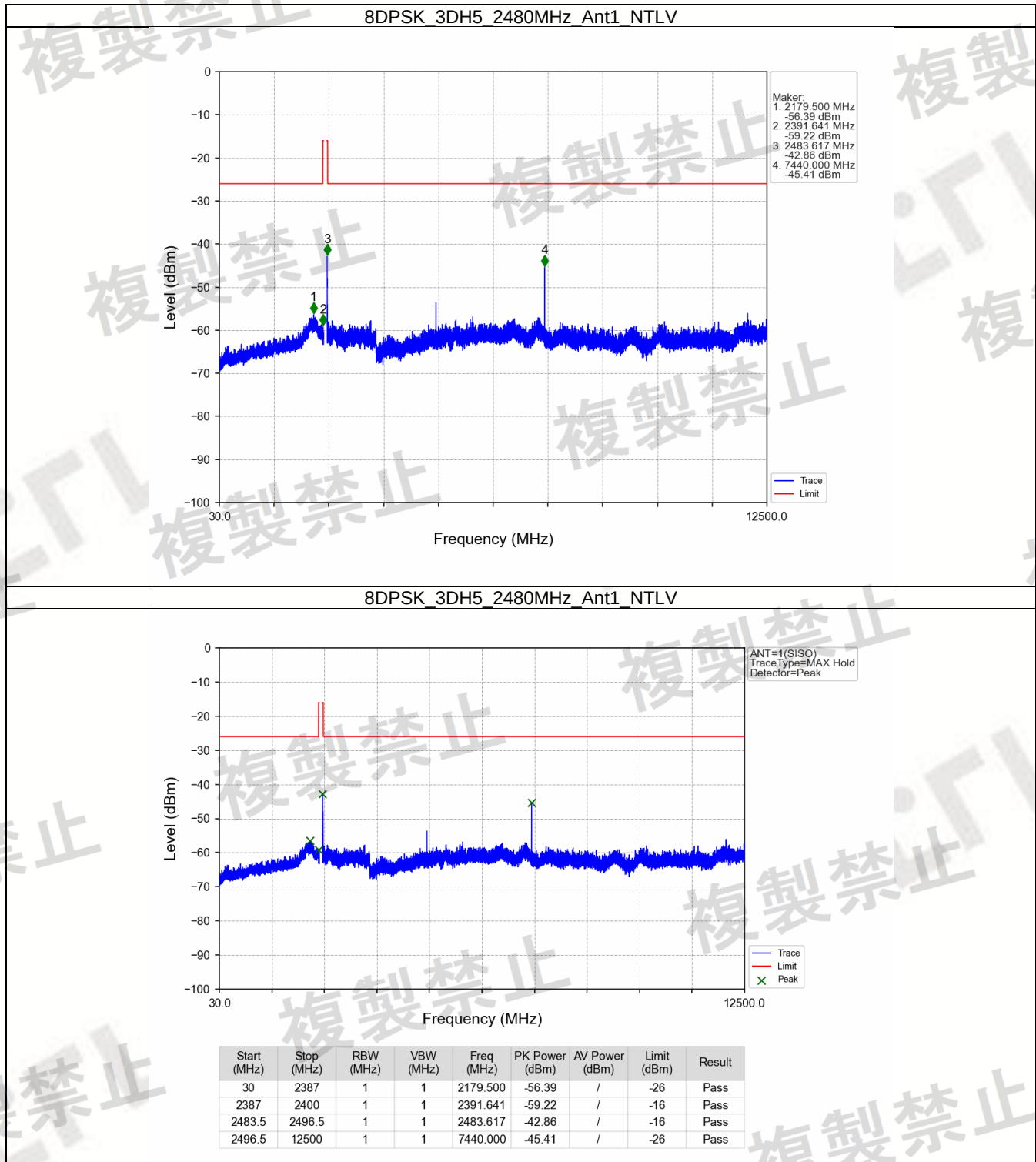
MIC: 219-259748



MIC: 219-259748

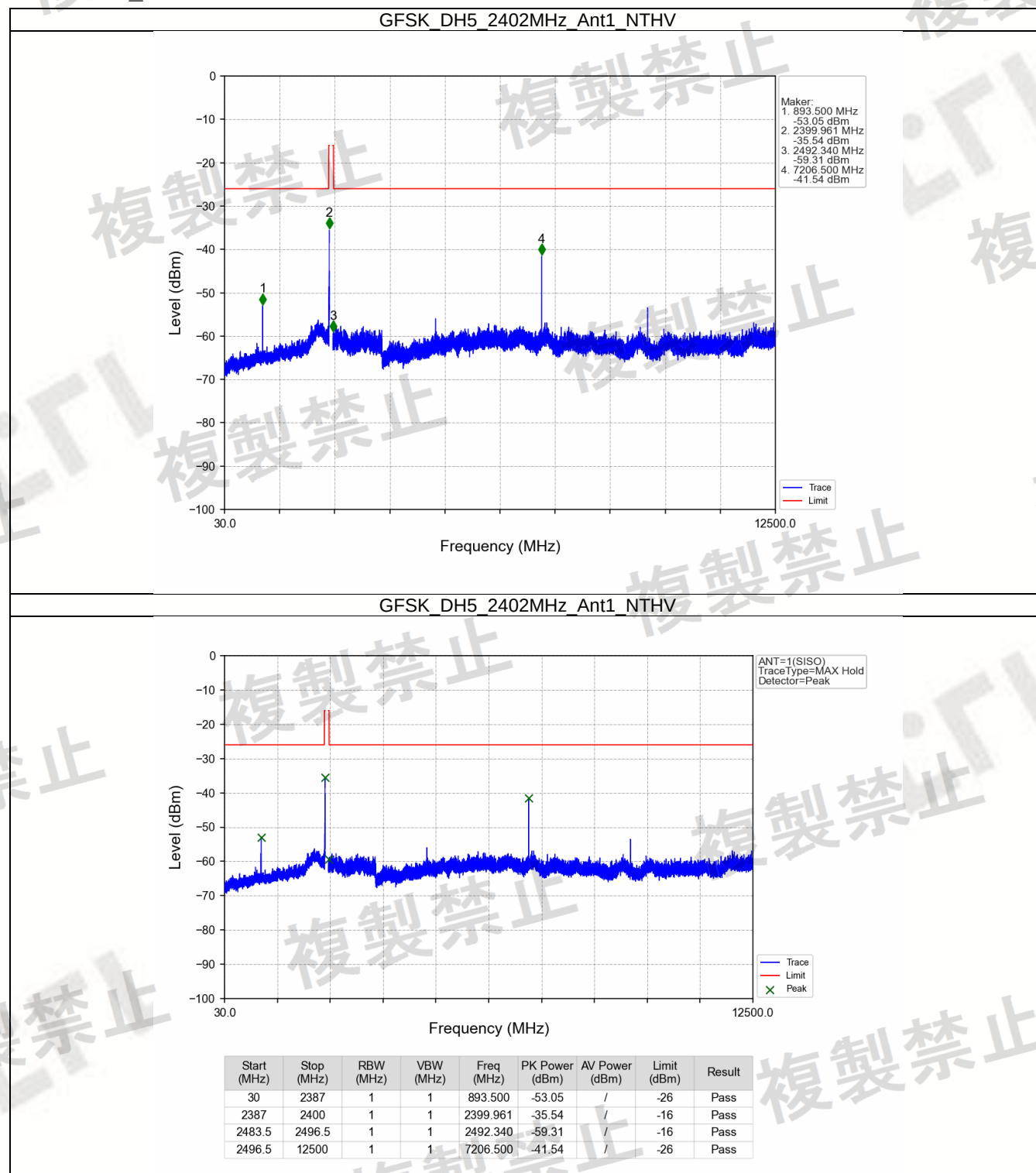


MIC: 219-259748

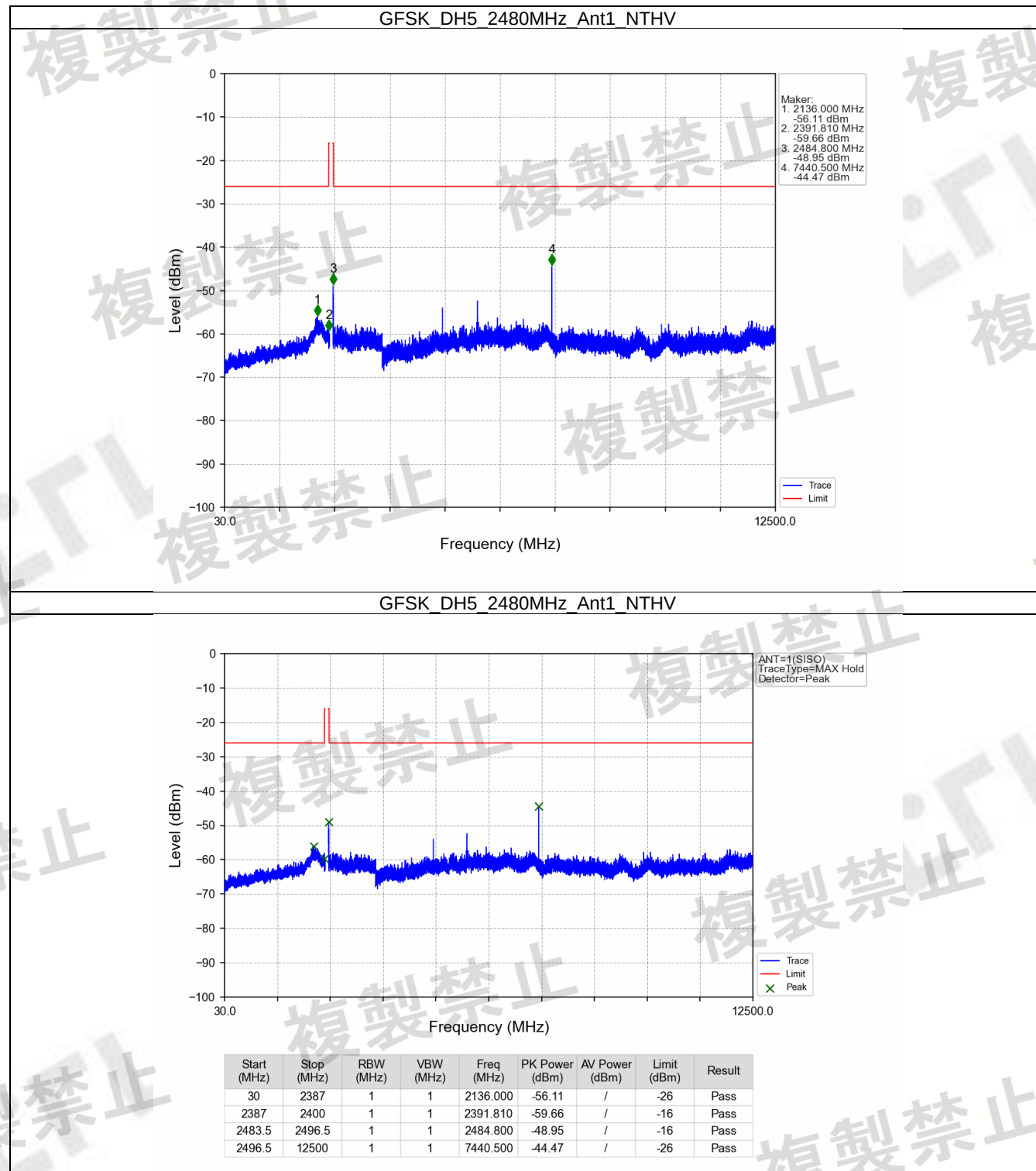


MIC: 219-259748

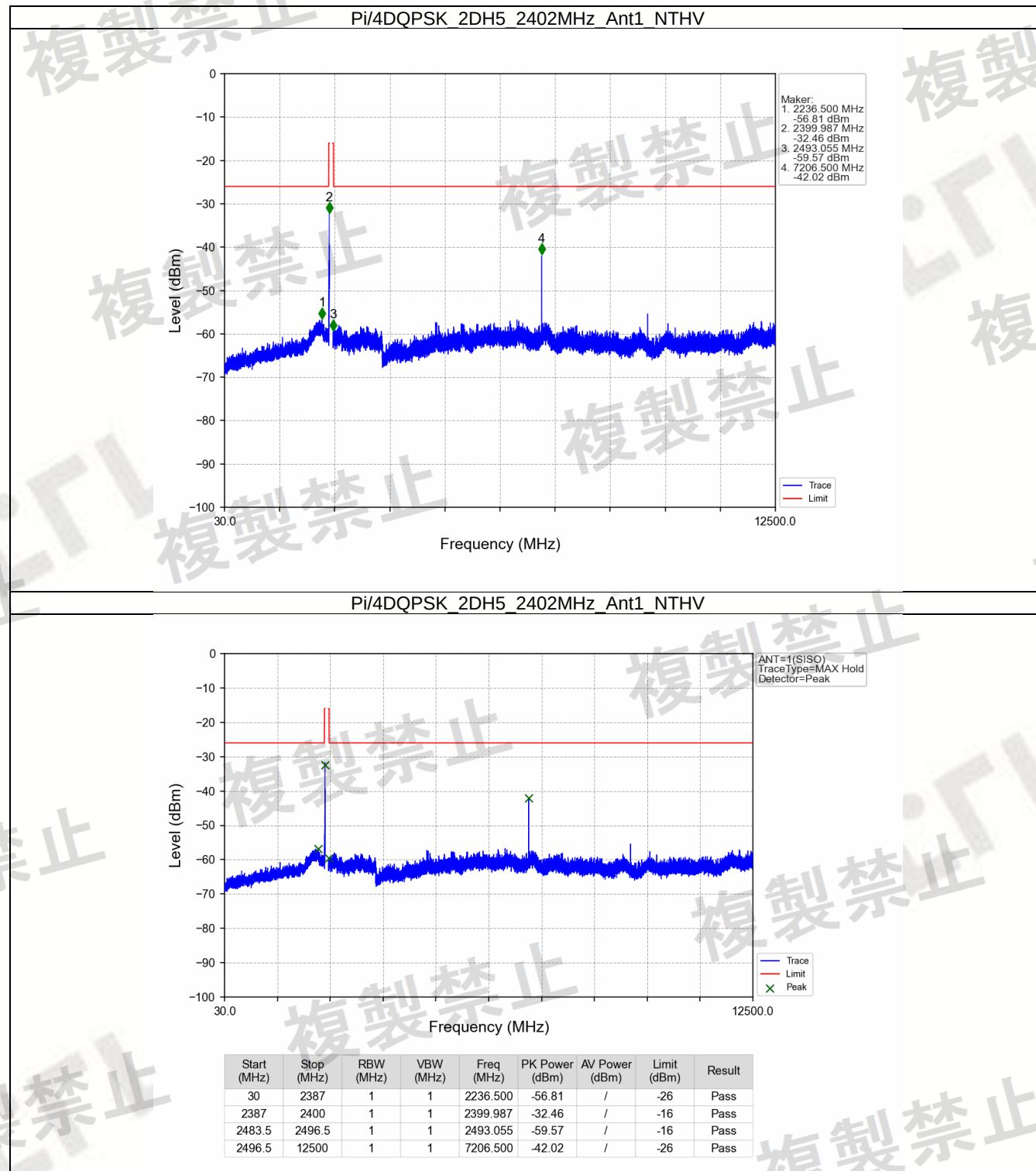
6.2.3 TxSe_NTHV



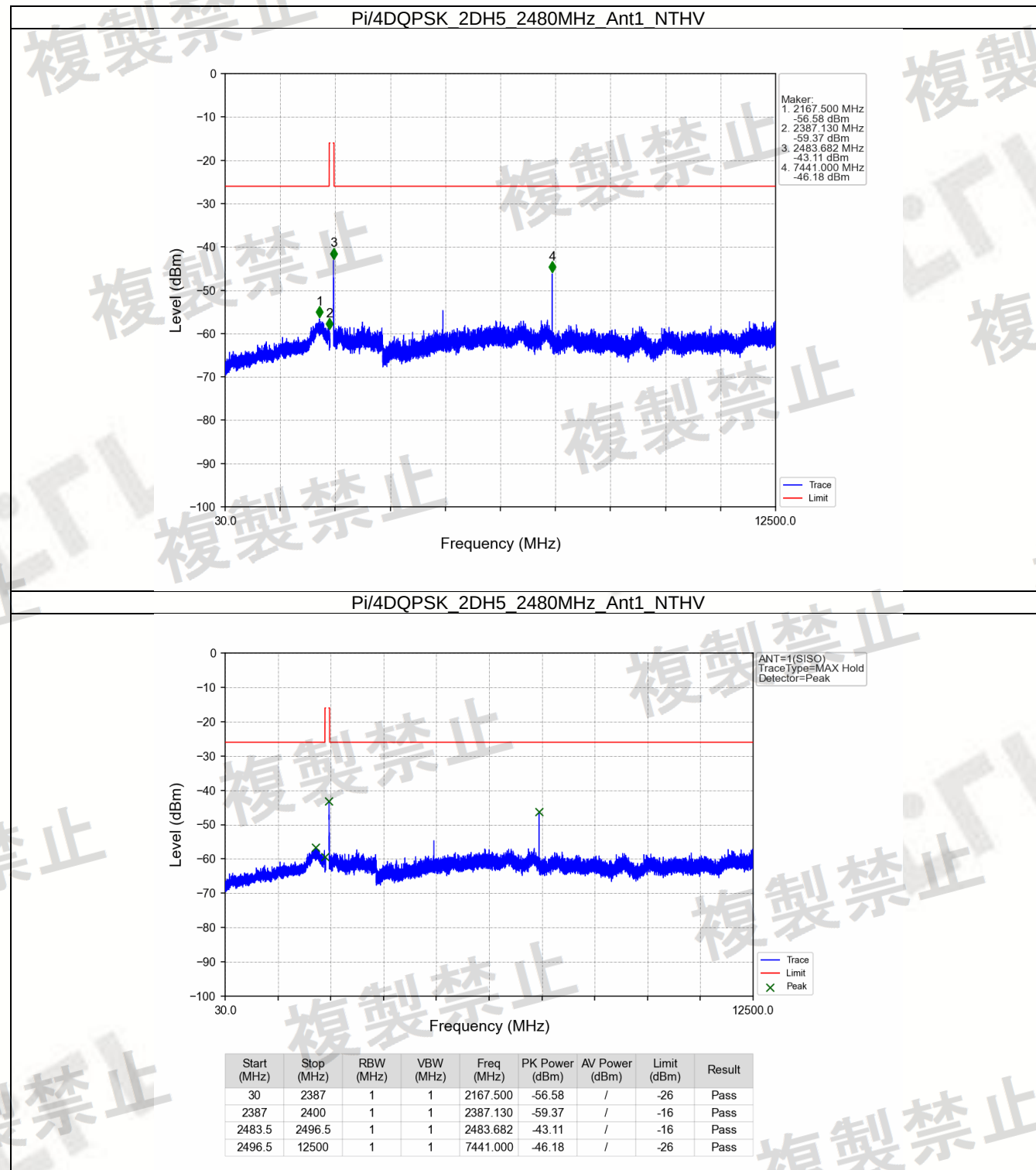
MIC: 219-259748



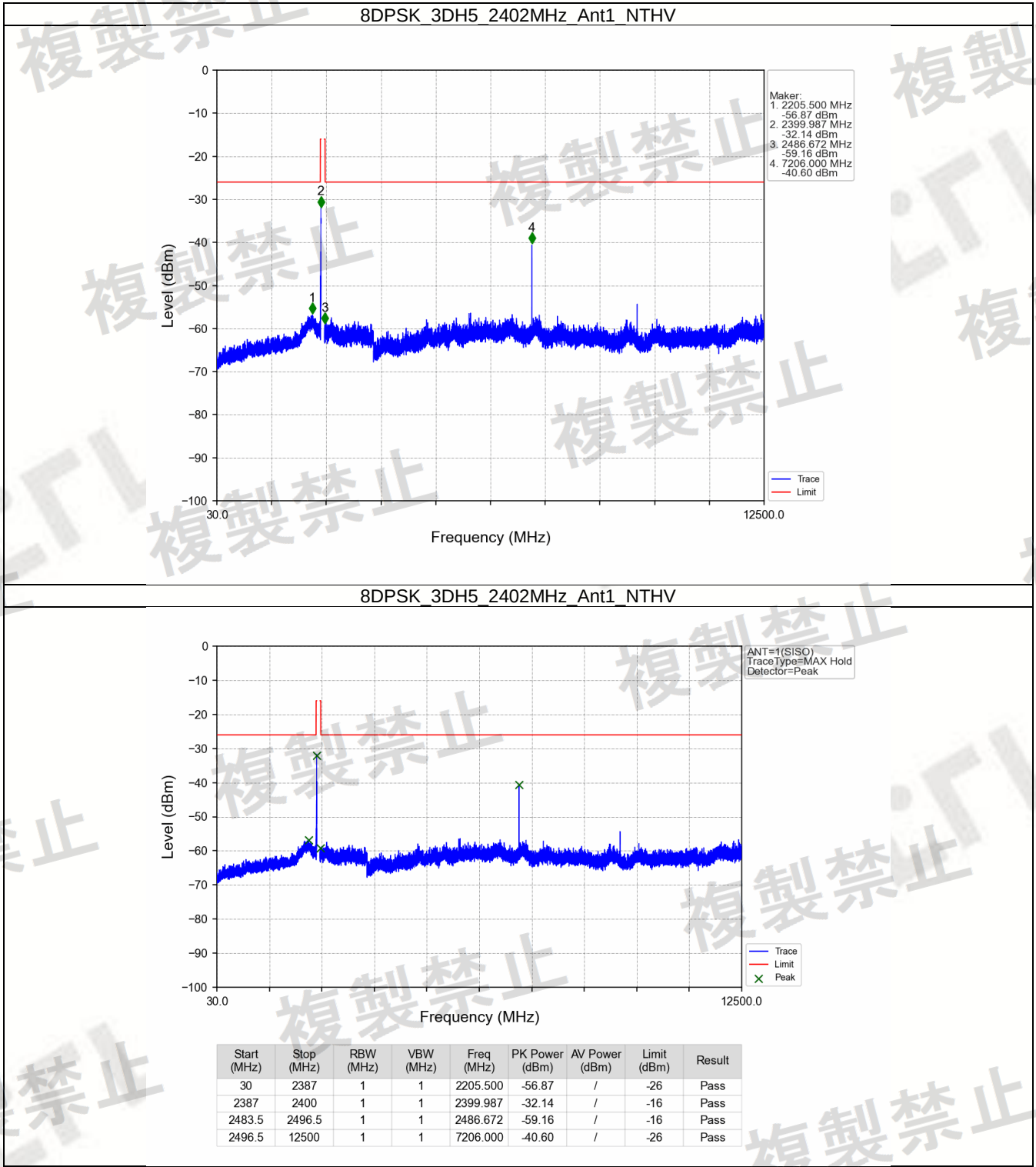
MIC: 219-259748



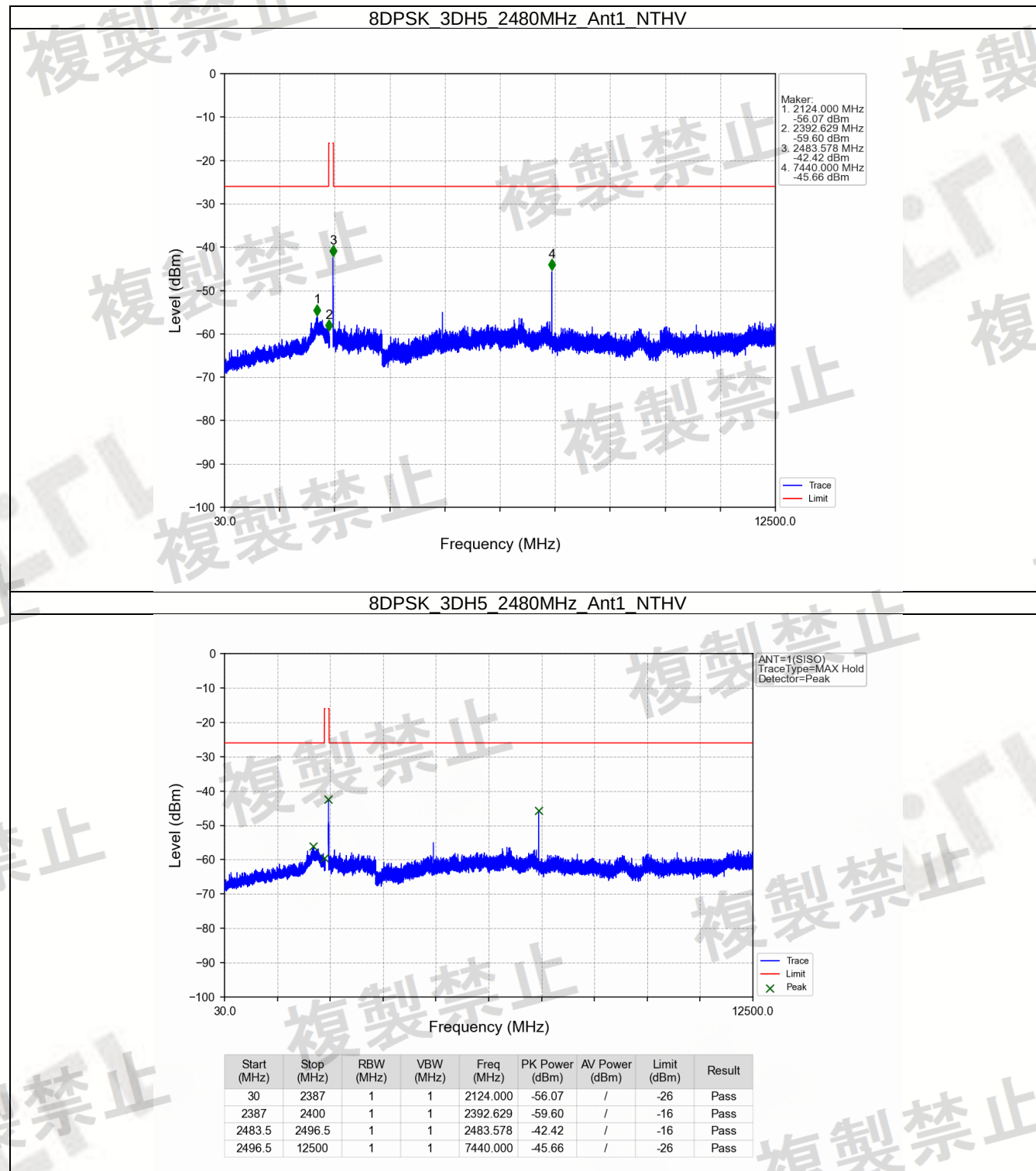
MIC: 219-259748



MIC: 219-259748



MIC: 219-259748



MIC: 219-259748

7. Secondary Radiated Emission

7.1 Test Result

7.1.1 RxSe_NTNV

NTNV												
Mode	TX Type	Freq. (MHz)	ANT	Freq. Range		Marker					Limit (nW)	Verdict
				Start (MHz)	Stop (MHz)	Freq. (MHz)	PK Power (dBm)	PK Power (nW)	AV Power (dBm)	AV Power (nW)		
GFSK	SISO	2402	1	30	1000	762.55	-77.21	0.019	/	/	4	Pass
				1000	12500	2409	-55.39	2.891	-75.08	0.031	20	Pass
						2412	-50.73	8.453	-70.33	0.093	20	Pass
						2415.5	-53.09	4.909	-63.19	0.480	20	Pass
		2480	1	30	1000	433.95	-77.74	0.017	/	/	4	Pass
				1000	12500	2409.5	-53.35	4.624	-80.73	0.008	20	Pass
						2413	-50.62	8.670	-80.81	0.008	20	Pass
						2416.5	-55.44	2.858	-79.81	0.010	20	Pass
Pi/4DQPSK	SISO	2402	1	30	1000	730.55	-73.86	0.041	/	/	4	Pass
				1000	12500	2413.5	-52.23	5.984	-80.62	0.009	20	Pass
						2418	-55.67	2.710	-75.22	0.030	20	Pass
		2480	1	30	1000	749.6	-77.76	0.017	/	/	4	Pass
				1000	12500	2413	-52.12	6.138	-65.81	0.262	20	Pass
						2418	-55.67	2.710	-75.22	0.030	20	Pass
8DPSK	SISO	2402	1	30	1000	729.9	-69.33	0.117	/	/	4	Pass
				1000	12500	2165.5	-61.93	0.641	/	/	20	Pass
						705.15	-56.46	2.259	-92.73	0.001	4	Pass
		2480	1	30	1000	705.15	-56.46	2.259	-92.73	0.001	4	Pass
				1000	12500	2410	-55.37	2.904	-68.57	0.139	20	Pass
						2414	-52.69	5.383	-80.50	0.009	20	Pass

7.1.2 RxSe_NTLV

NTLV												
Mode	TX Type	Freq. (MHz)	ANT	Freq. Range		Marker					Limit (nW)	Verdict
				Start (MHz)	Stop (MHz)	Freq. (MHz)	PK Power (dBm)	PK Power (nW)	AV Power (dBm)	AV Power (nW)		
GFSK	SISO	2402	1	30	1000	892.7	-63.74	0.423	-92.22	0.001	4	Pass
				1000	12500	2409.5	-55.83	2.612	-74.55	0.035	20	Pass
						2412.5	-51.95	6.383	-69.70	0.107	20	Pass
						2415.5	-54.31	3.707	-74.63	0.034	20	Pass
		2480	1	30	1000	747.65	-78.17	0.015	/	/	4	Pass
				1000	12500	2410	-54.86	3.266	-69.62	0.109	20	Pass
						2413.5	-53.80	4.169	-80.57	0.009	20	Pass
						2418	-55.67	2.710	-75.22	0.030	20	Pass
Pi/4DQPSK	SISO	2402	1	30	1000	785.05	-78.40	0.014	/	/	4	Pass
				1000	12500	2408	-55.22	3.006	-78.94	0.013	20	Pass
						2412.5	-50.63	8.650	-80.63	0.009	20	Pass
		2480	1	1000	12500	2416.5	-53.56	4.406	-80.47	0.009	20	Pass
						727.85	-66.95	0.202	/	/	4	Pass
				1000	12500	2414	-52.89	5.140	-80.34	0.009	20	Pass
8DPSK	SISO	2402	1	30	1000	909.65	-78.35	0.015	/	/	4	Pass
				1000	12500	2409.5	-52.74	5.321	-80.76	0.008	20	Pass
						2413.5	-49.79	10.495	-80.66	0.009	20	Pass
		2480	1	1000	12500	2418	-56.37	2.307	-80.76	0.008	20	Pass
						883.15	-77.62	0.017	/	/	4	Pass
				30	1000	883.15	-77.62	0.017	/	/	4	Pass

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			1000	12500	2409.5	-54.96	3.192	-71.05	0.079	20	Pass
					2413.5	-51.52	7.047	-67.21	0.190	20	Pass

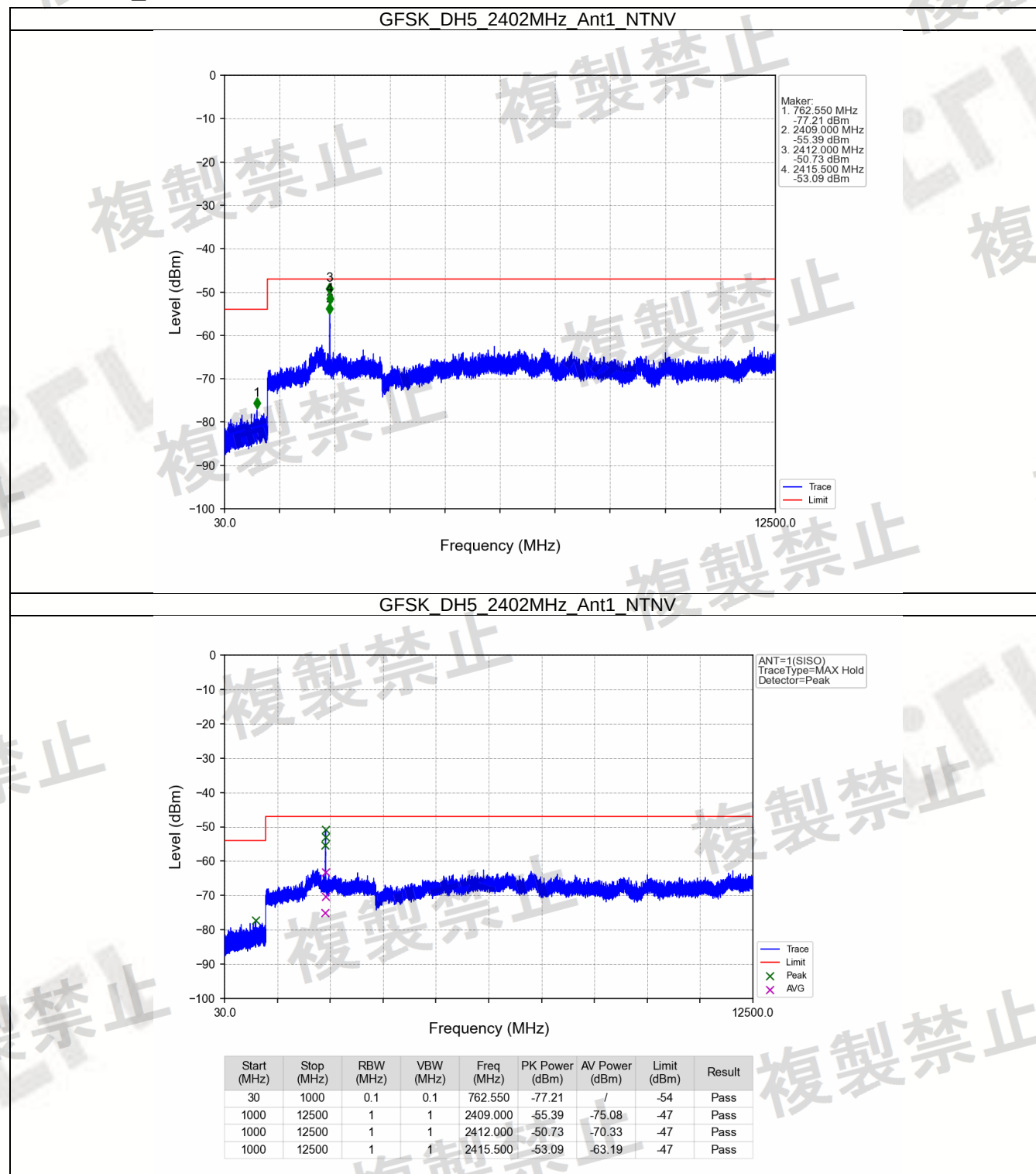
7.1.3 RxSe_NTHV

NTHV														
Mode	TX Type	Freq. (MHz)	ANT	Freq. Range		Marker					Limit (nW)	Verdict		
				Start (MHz)	Stop (MHz)	Freq. (MHz)	PK Power (dBm)	PK Power (nW)	AV Power (dBm)	AV Power (nW)				
GFSK	SISO	2402	1	30	1000	433.95	-76.98	0.020	/	/	4	Pass		
				1000	12500	2409.5	-53.29	4.688	-80.61	0.009	20	Pass		
						2413.5	-53.24	4.742	-80.59	0.009	20	Pass		
						2417	-56.19	2.404	-80.73	0.008	20	Pass		
		2480	1	30	1000	433.95	-77.63	0.017	/	/	4	Pass		
				1000	12500	2409	-54.02	3.963	-70.48	0.090	20	Pass		
						2412	-52.36	5.808	-78.51	0.014	20	Pass		
						2417.5	-56.34	2.323	-80.90	0.008	20	Pass		
Pi/4DQPSK	SISO	2402	1	30	1000	433.95	-75.67	0.027	/	/	4	Pass		
				1000	12500	2409	-55.68	2.704	-80.62	0.009	20	Pass		
						2413	-50.52	8.872	-68.55	0.140	20	Pass		
						2417	-56.54	2.218	-71.51	0.071	20	Pass		
		2480	1	30	1000	927.15	-78.21	0.015	/	/	4	Pass		
				1000	12500	2413.5	-51.66	6.823	-80.64	0.009	20	Pass		
						30	1000	433.95	-77.90	0.016	/	/	4	Pass
						1000	12500	2409.5	-53.78	4.188	-80.76	0.008	20	Pass
2413.5	-50.09	9.795	-80.70	0.009	20			Pass						
2414	-52.94	5.082	-72.86	0.052	20			Pass						
8DPSK	SISO	2402	1	30	1000	433.9	-75.61	0.027	/	/	4	Pass		
				1000	12500	2414	-52.94	5.082	-72.86	0.052	20	Pass		
						2430.5	-55.63	2.735	-80.39	0.009	20	Pass		
		2480	1	30	1000	433.9	-75.61	0.027	/	/	4	Pass		
				1000	12500	2414	-52.94	5.082	-72.86	0.052	20	Pass		
						2430.5	-55.63	2.735	-80.39	0.009	20	Pass		

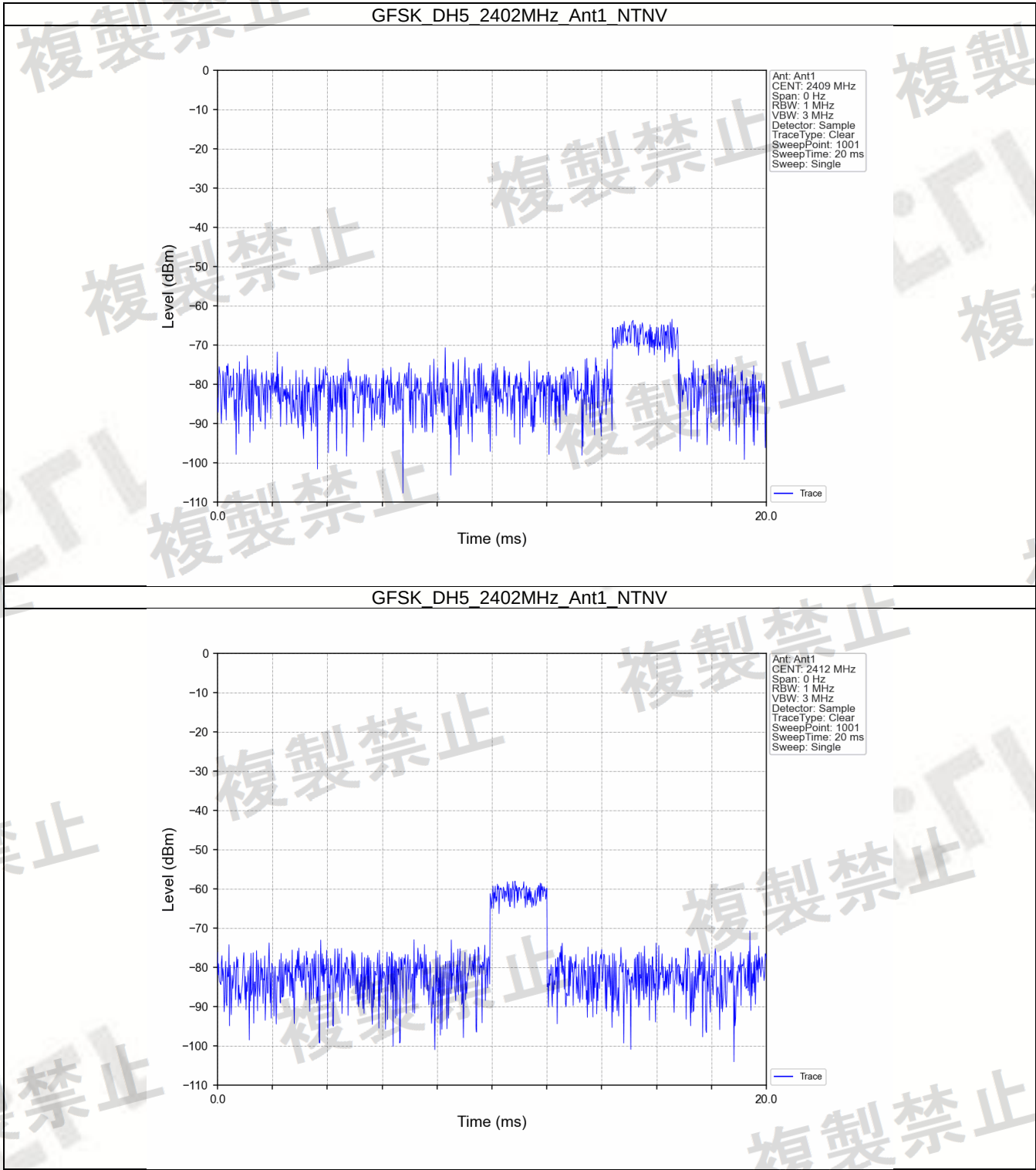
MIC: 219-259748

7.2 Test Graph

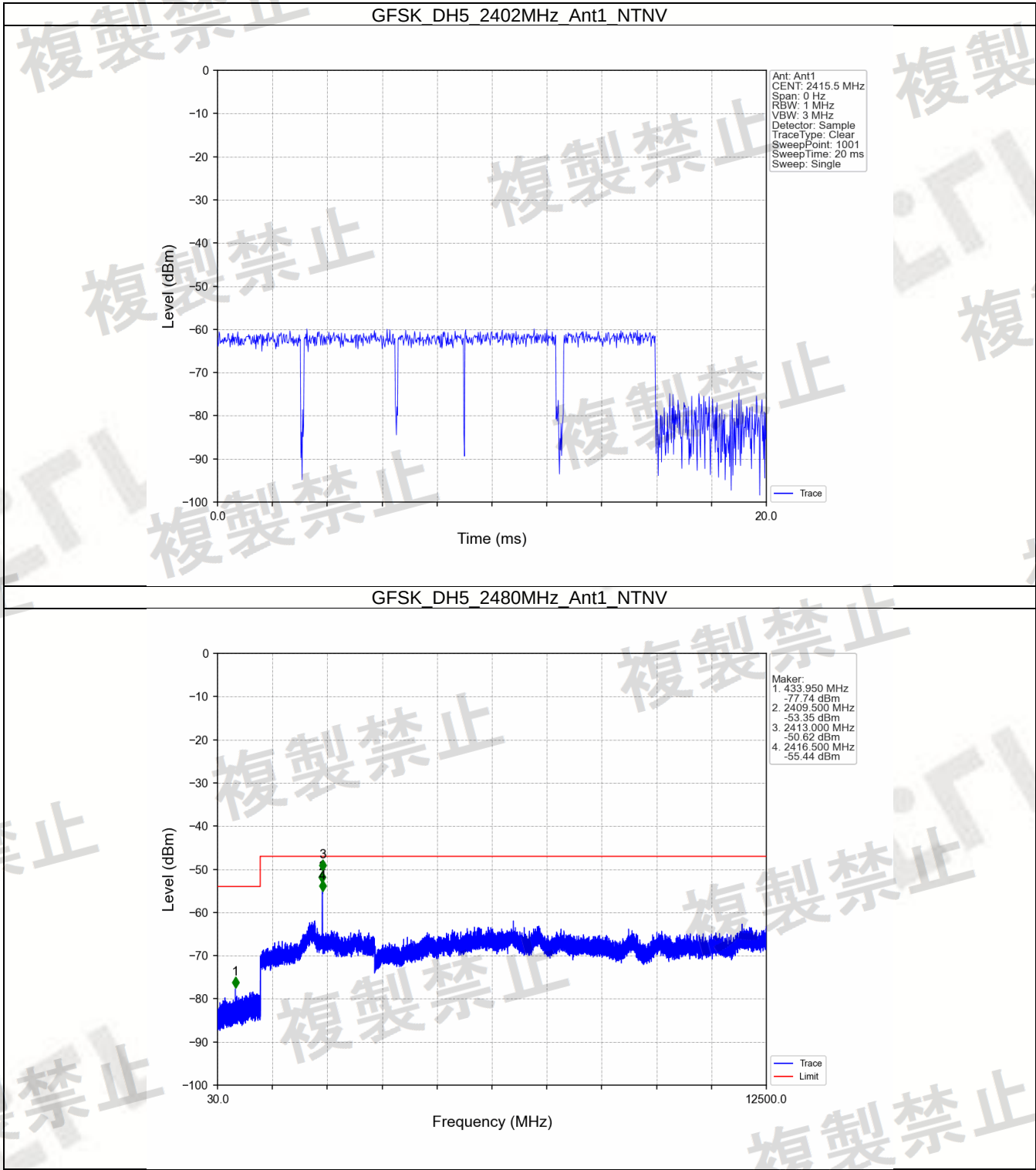
7.2.1 RxSe_NTNV



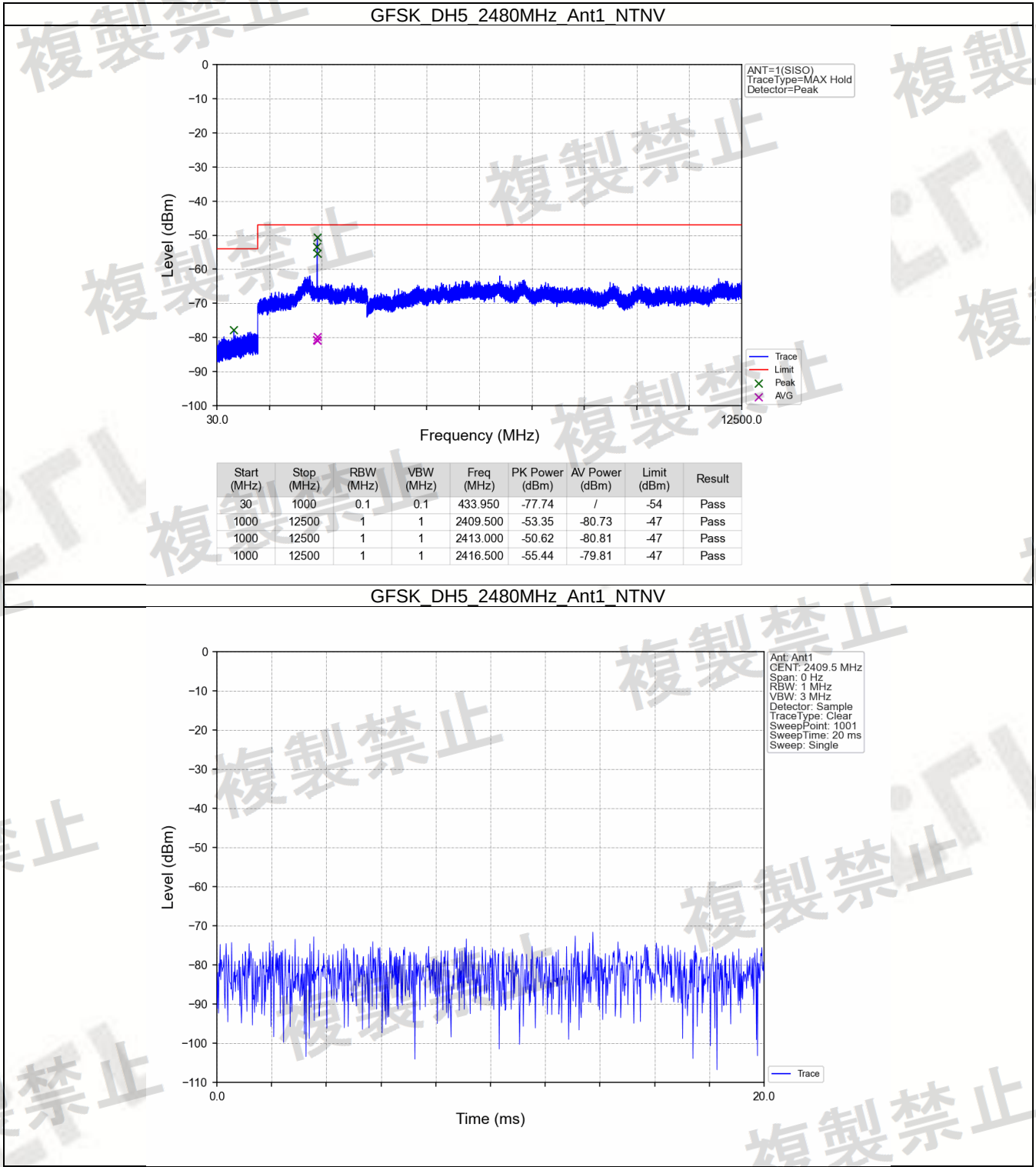
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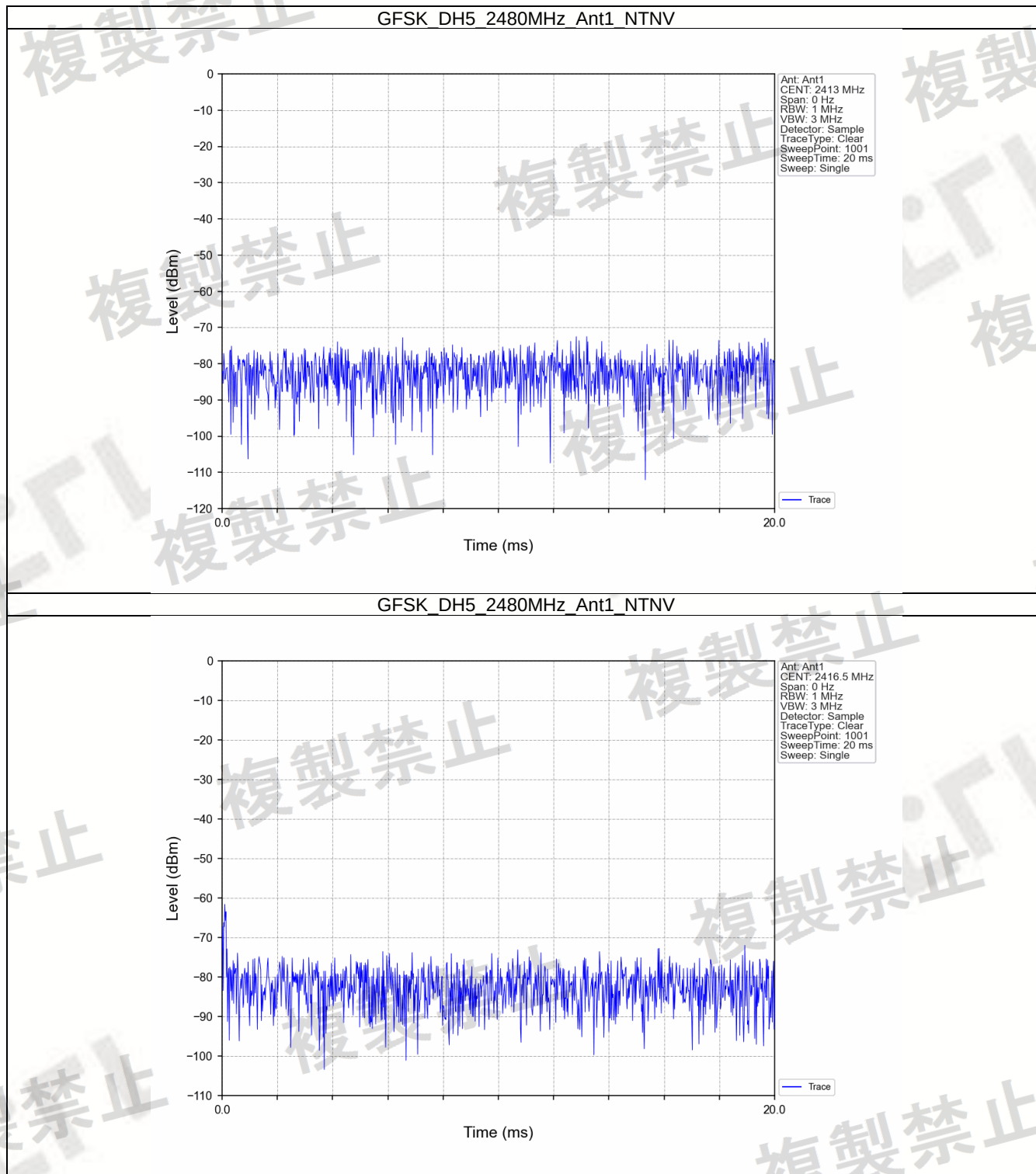
MIC: 219-259748



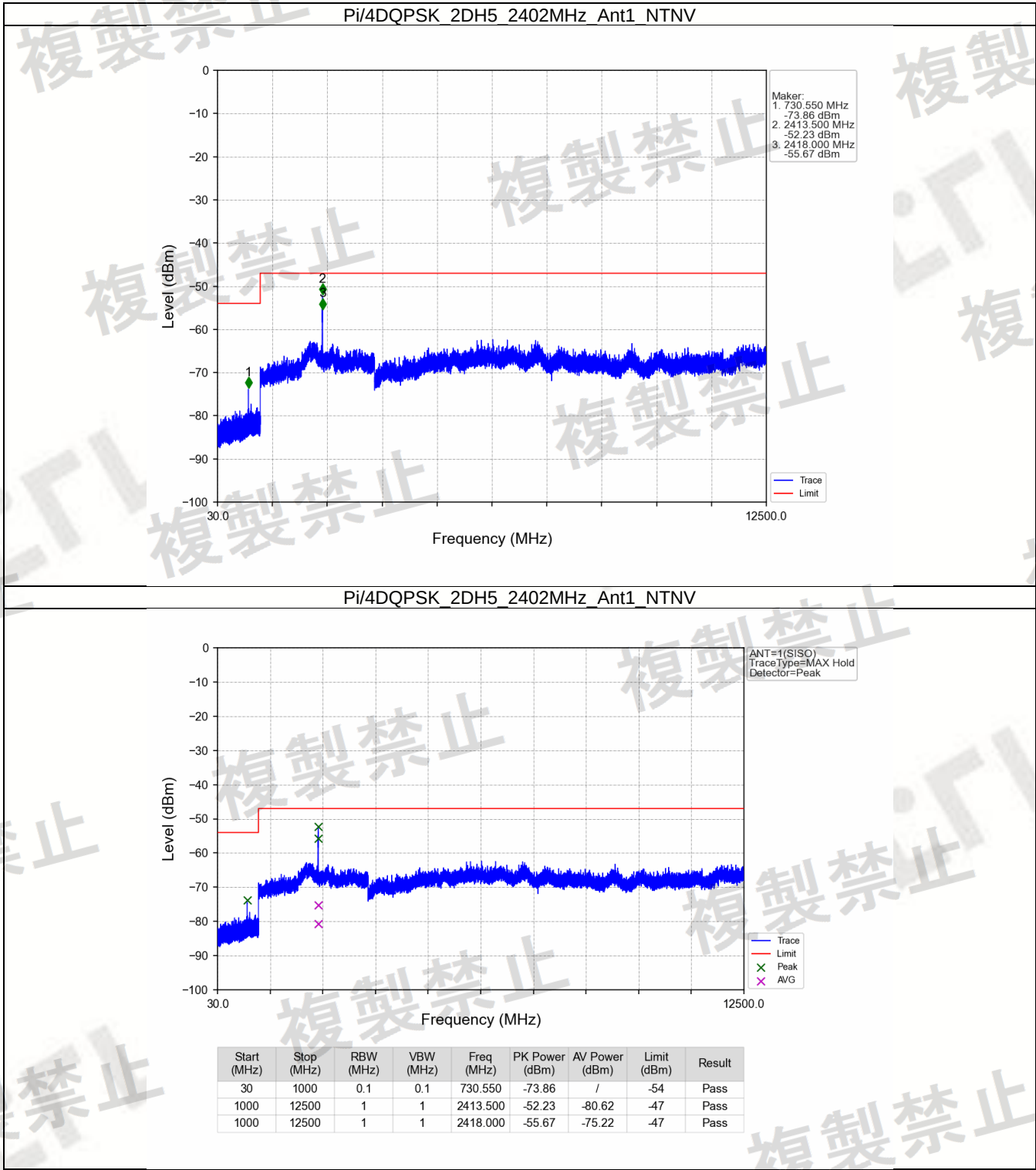
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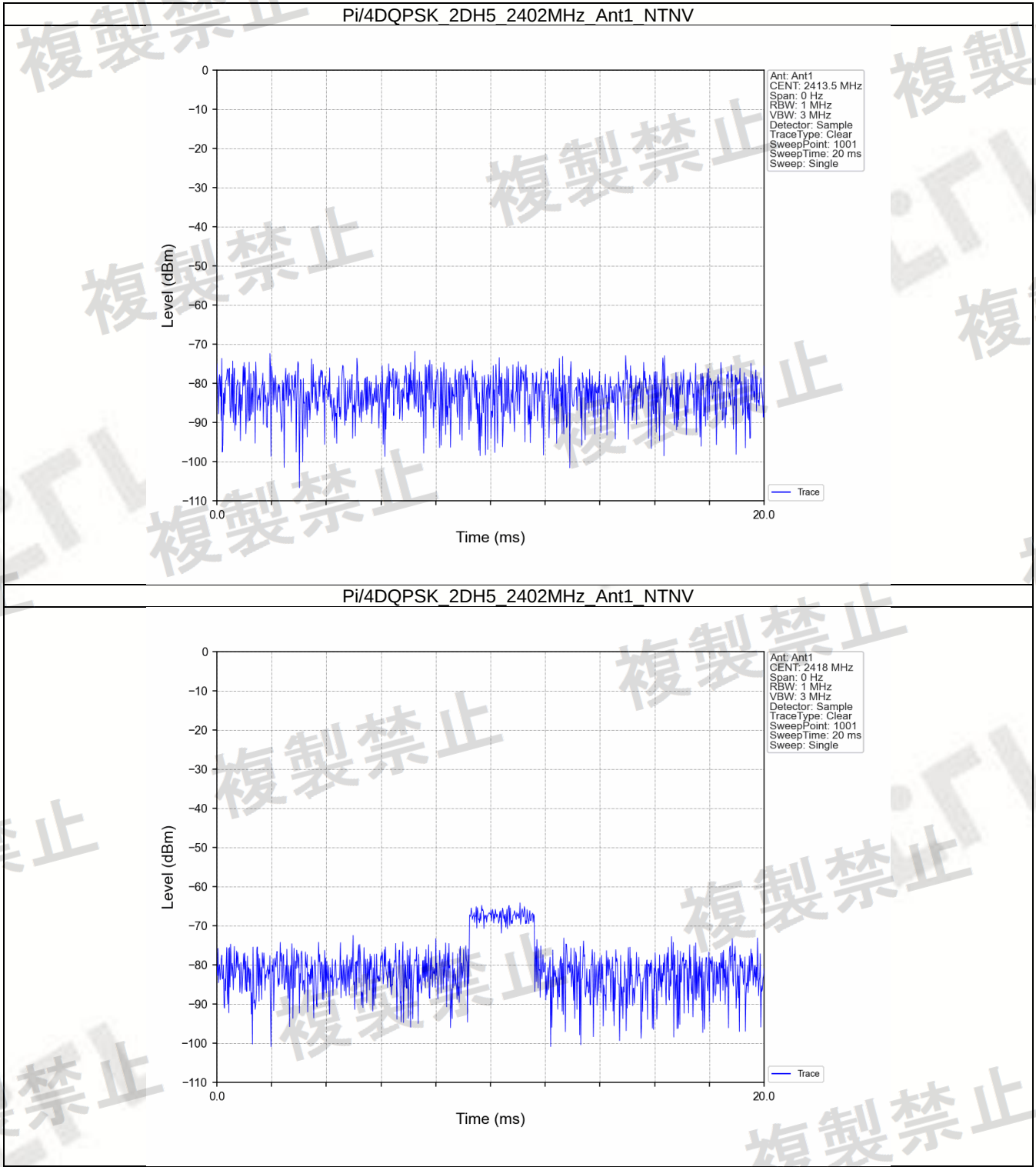
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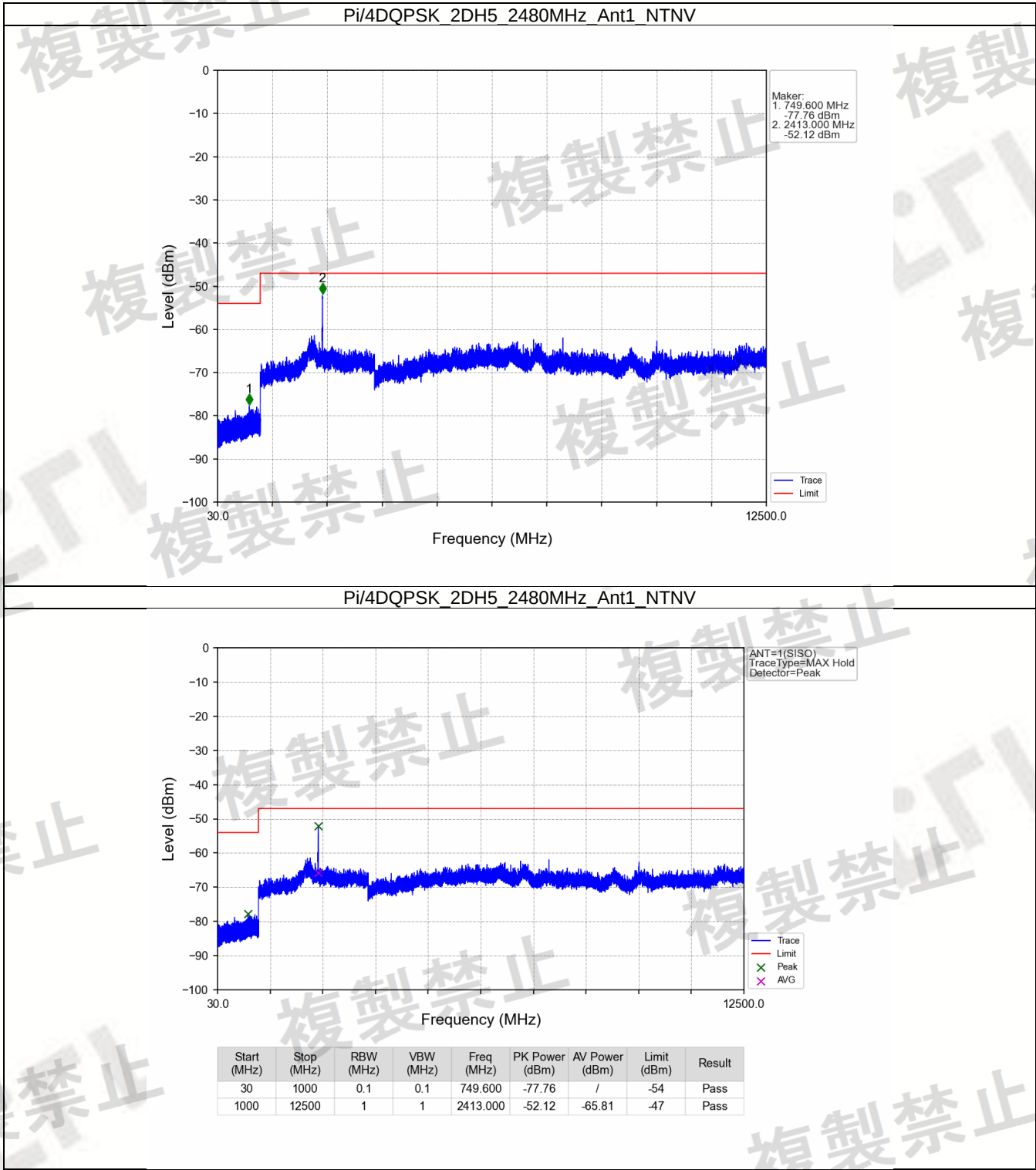
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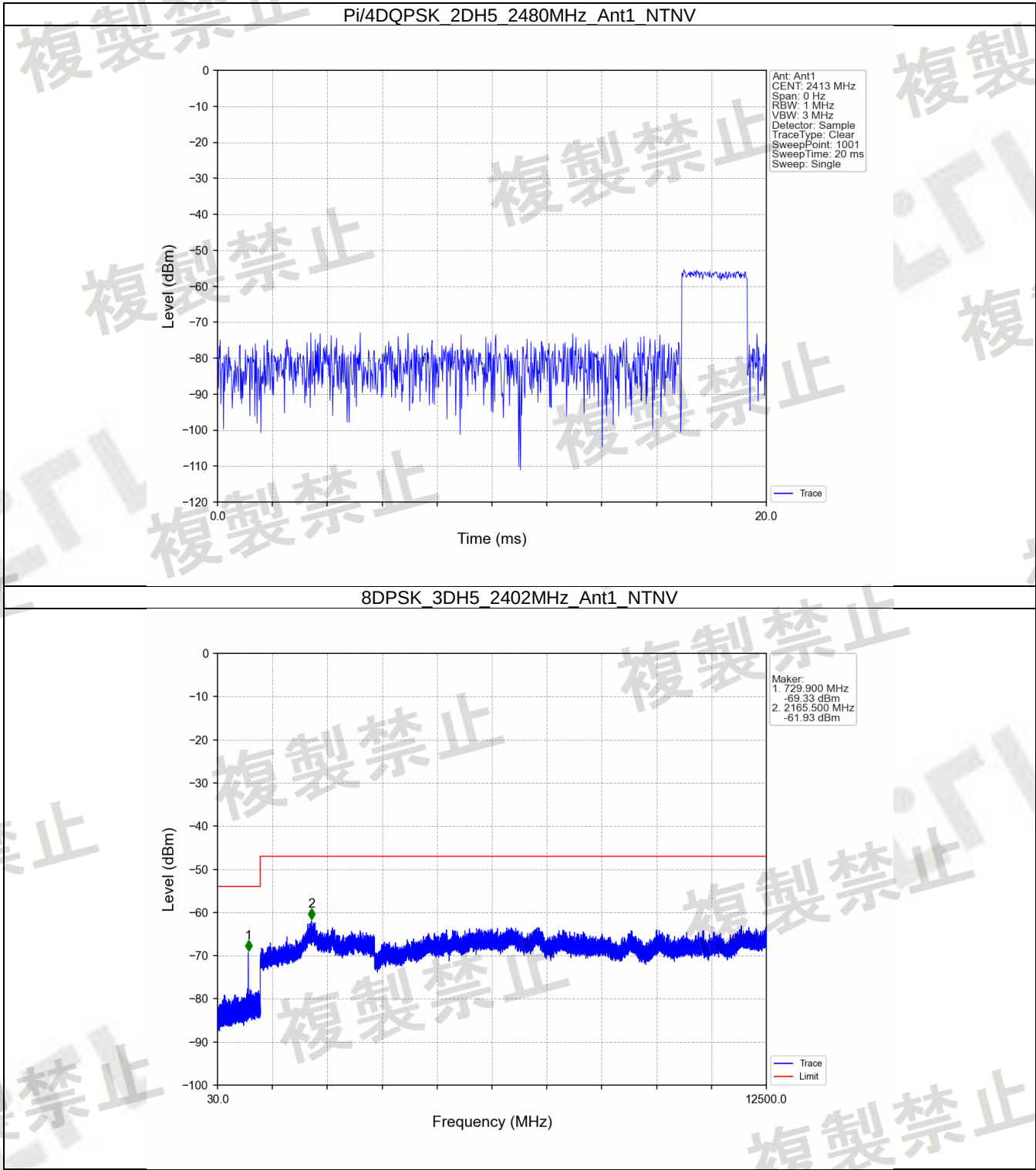
MIC: 219-259748



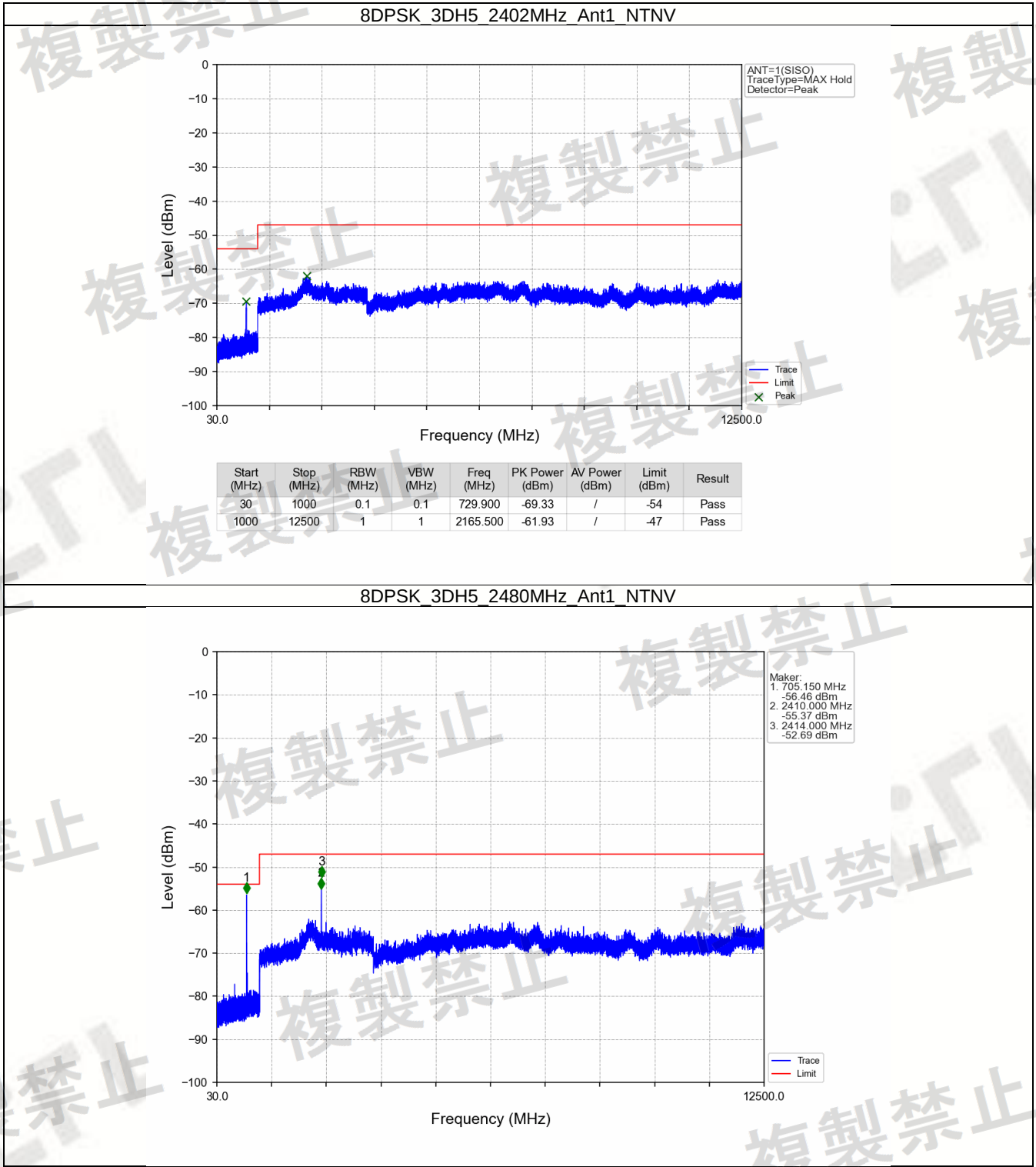
MIC: 219-259748



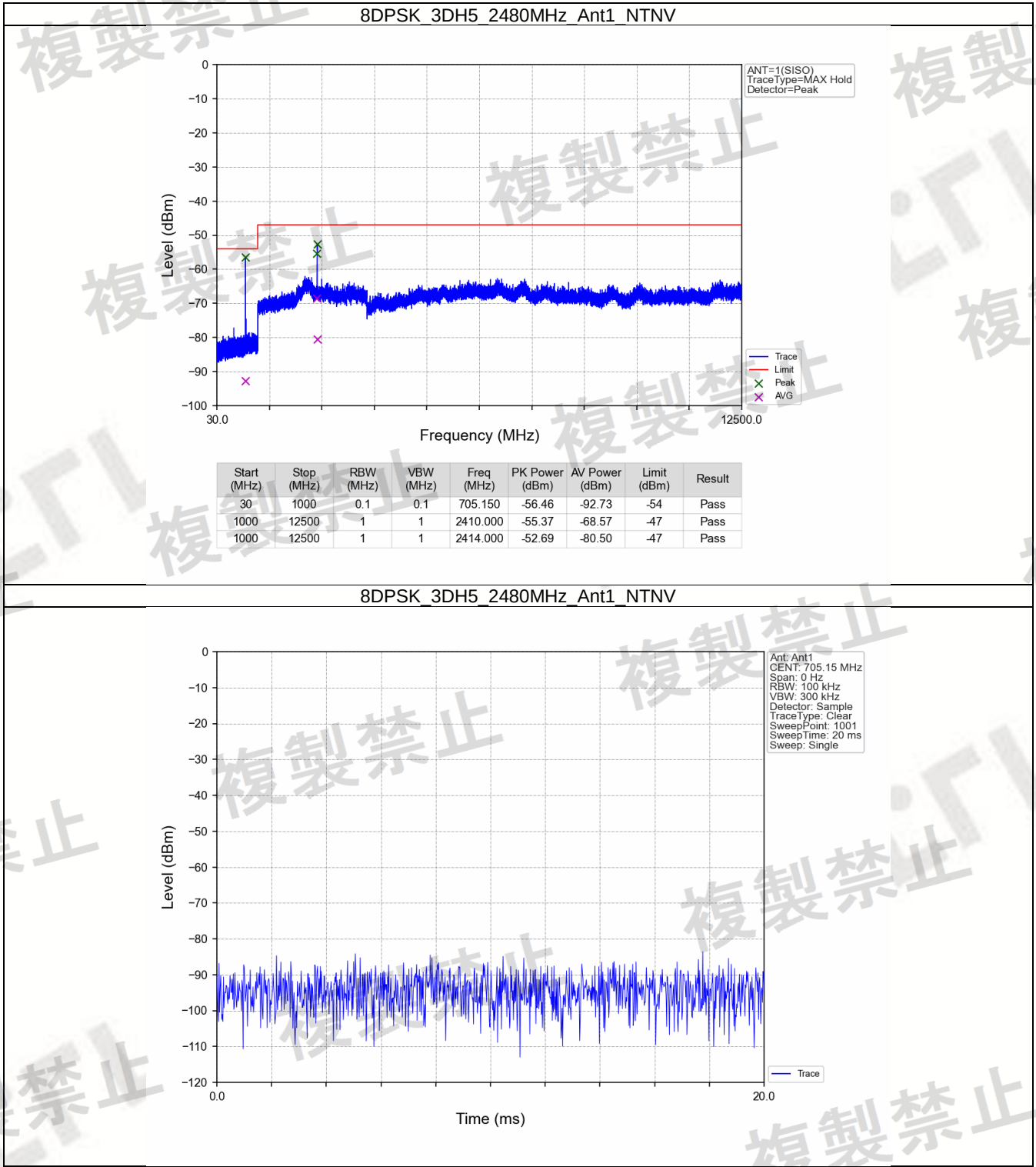
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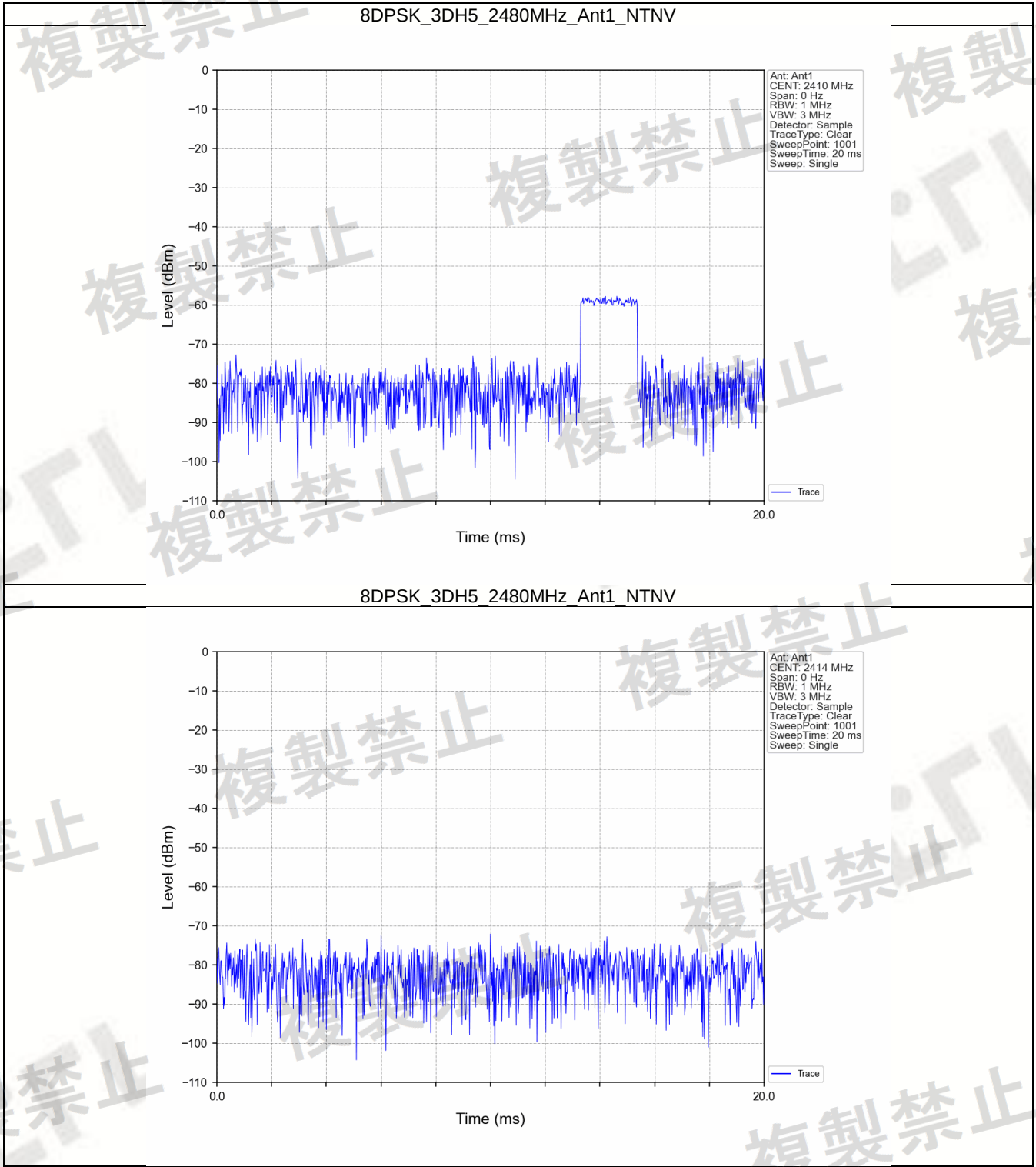
MIC: 219-259748



MIC: 219-259748

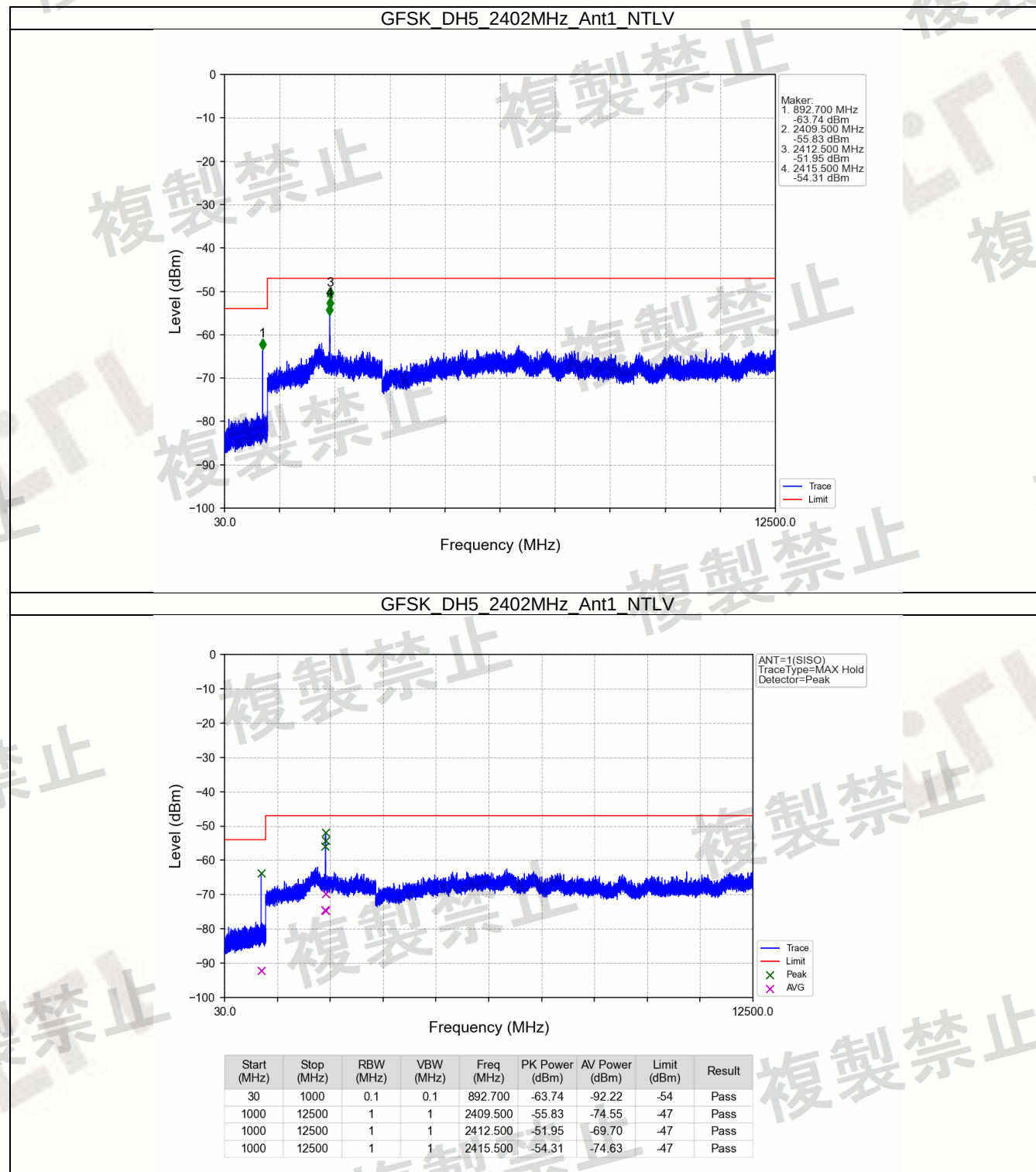


MIC: 219-259748

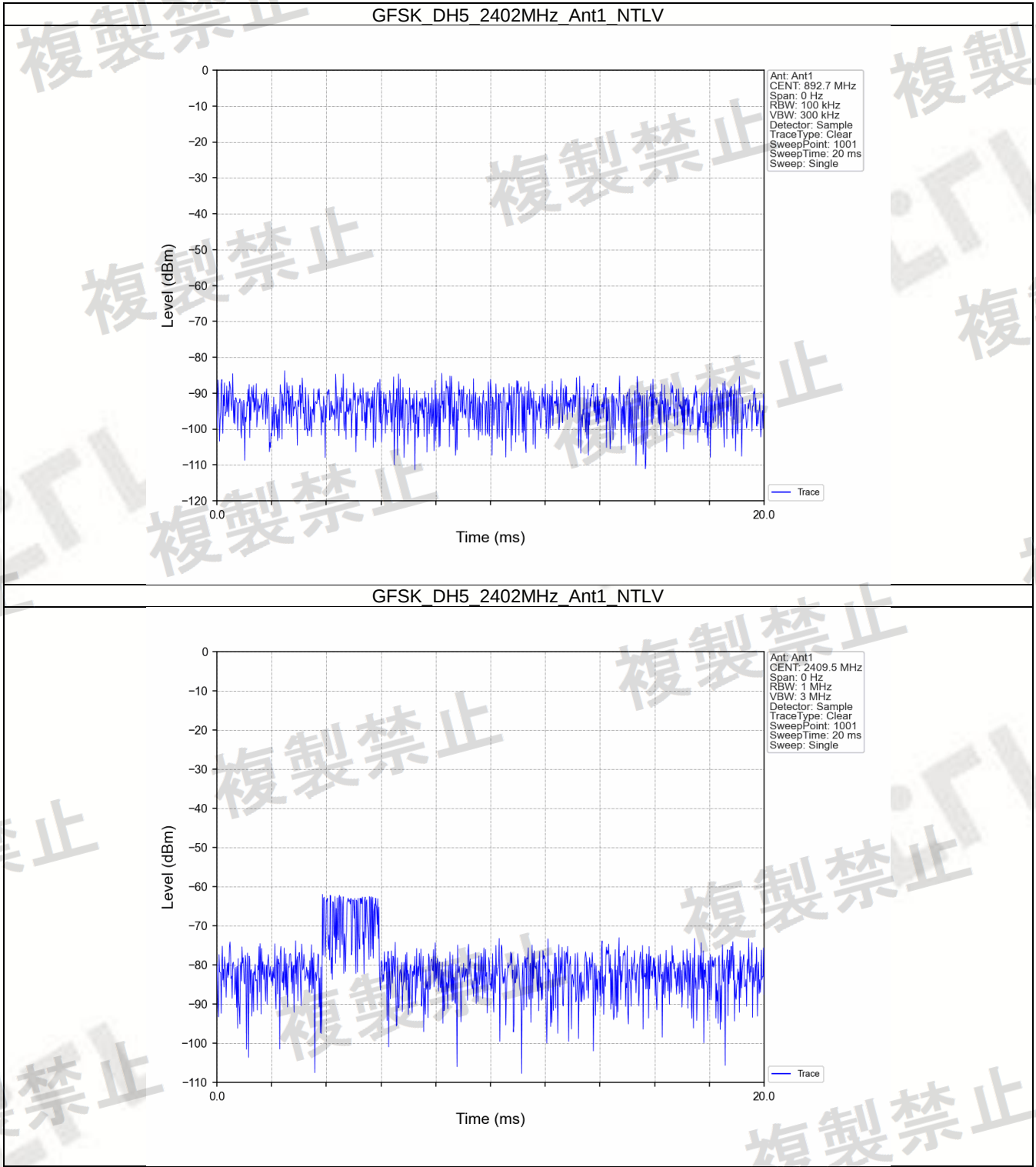


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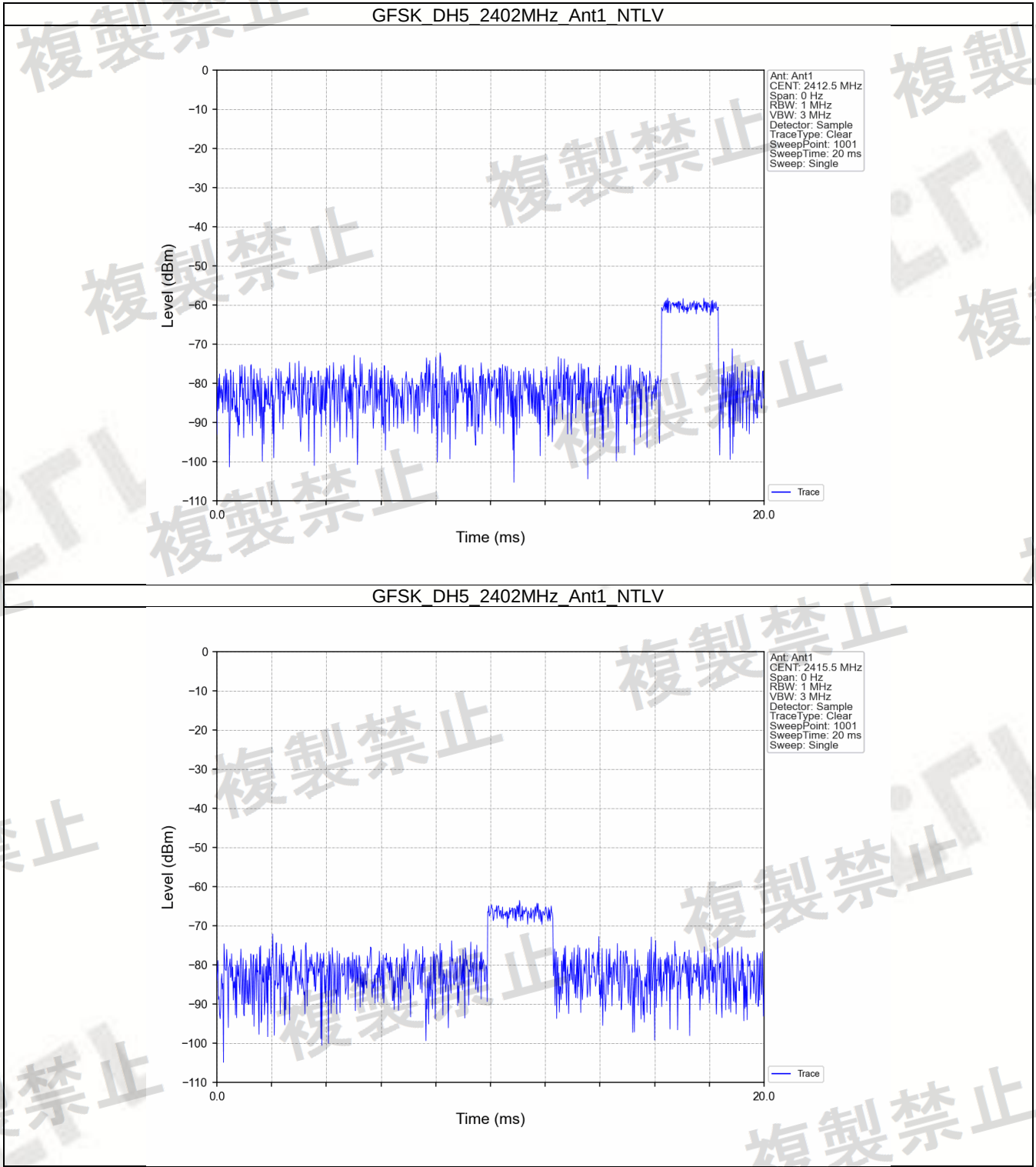
7.2.2 RxSe_NTLV



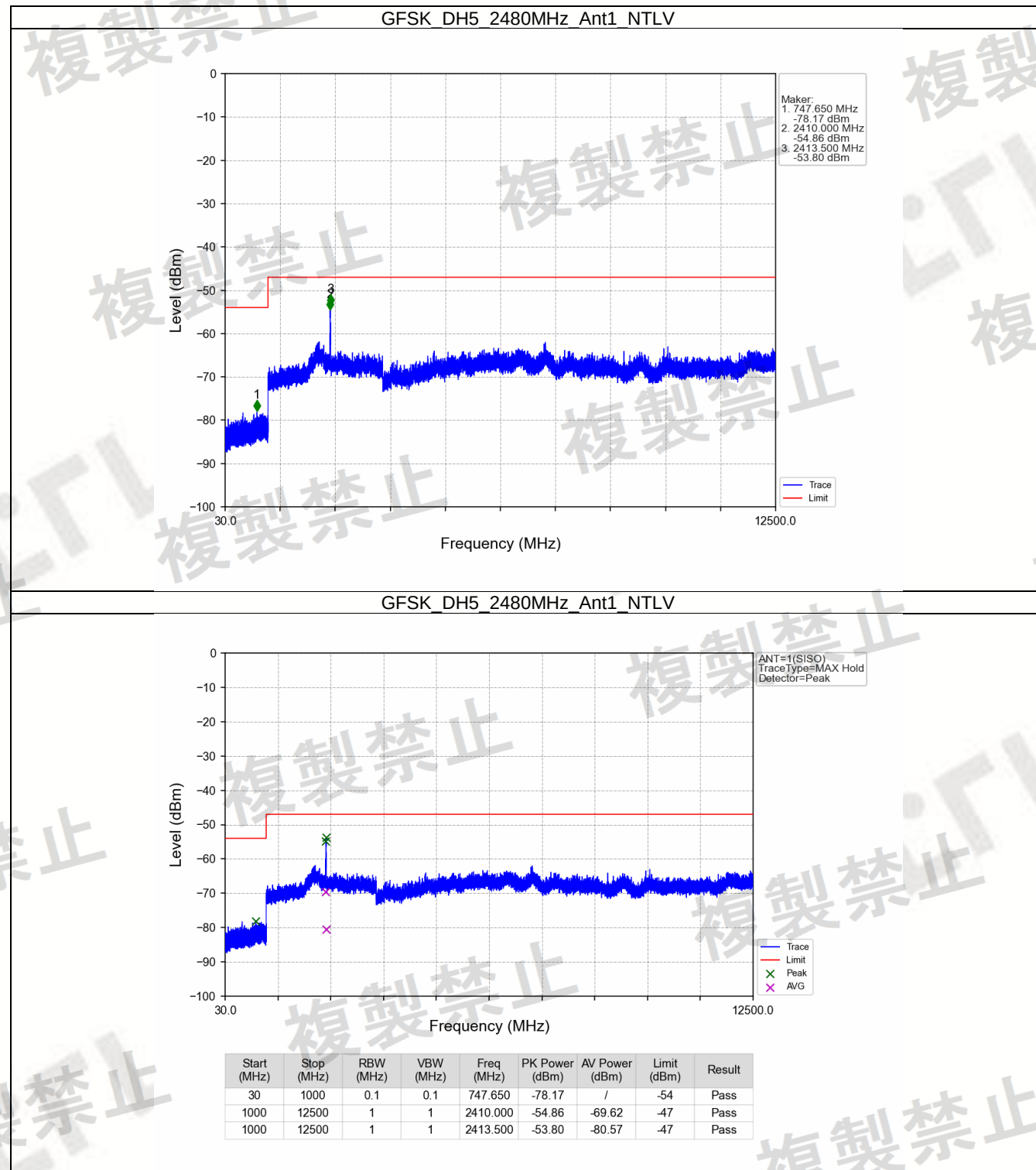
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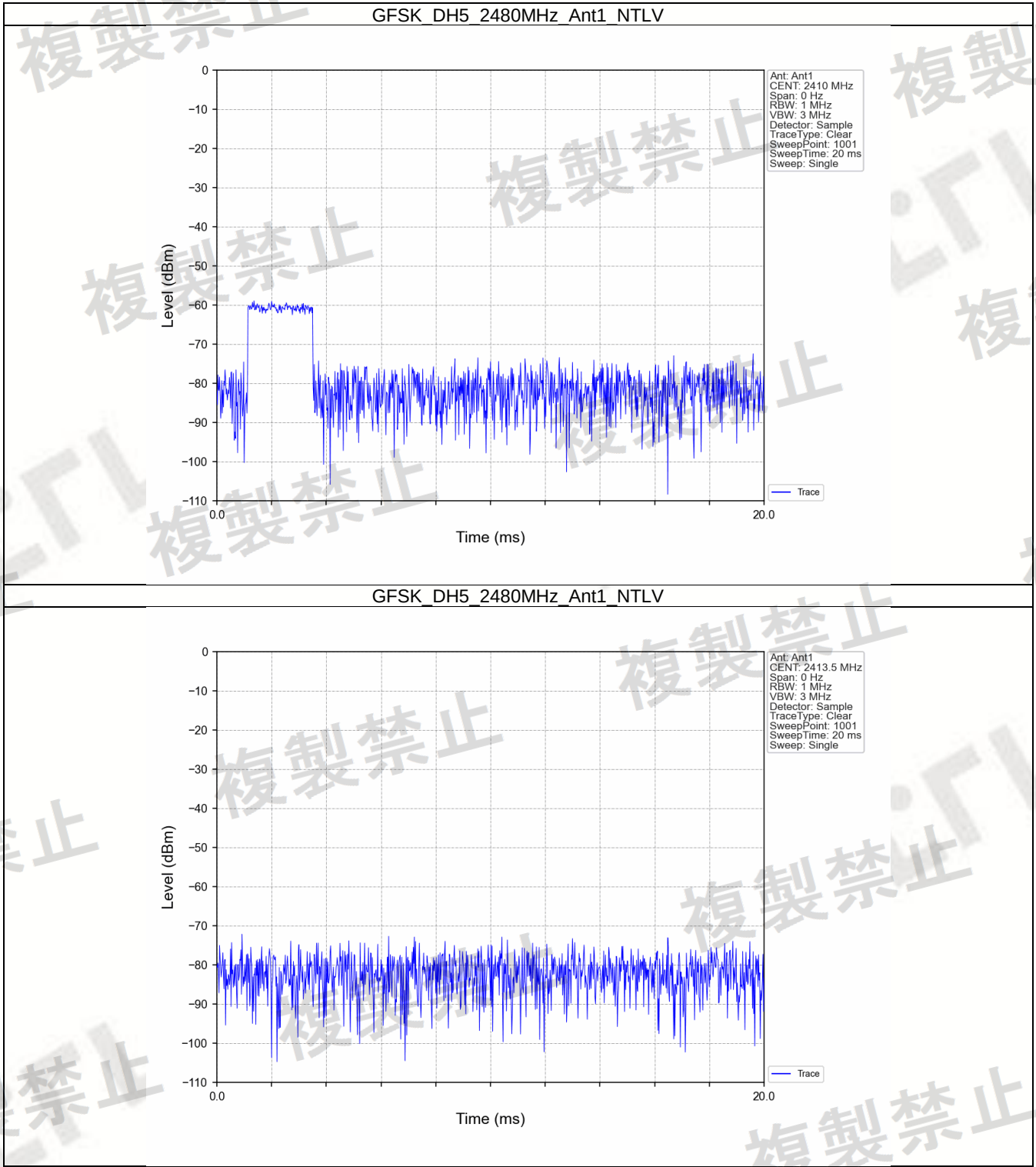
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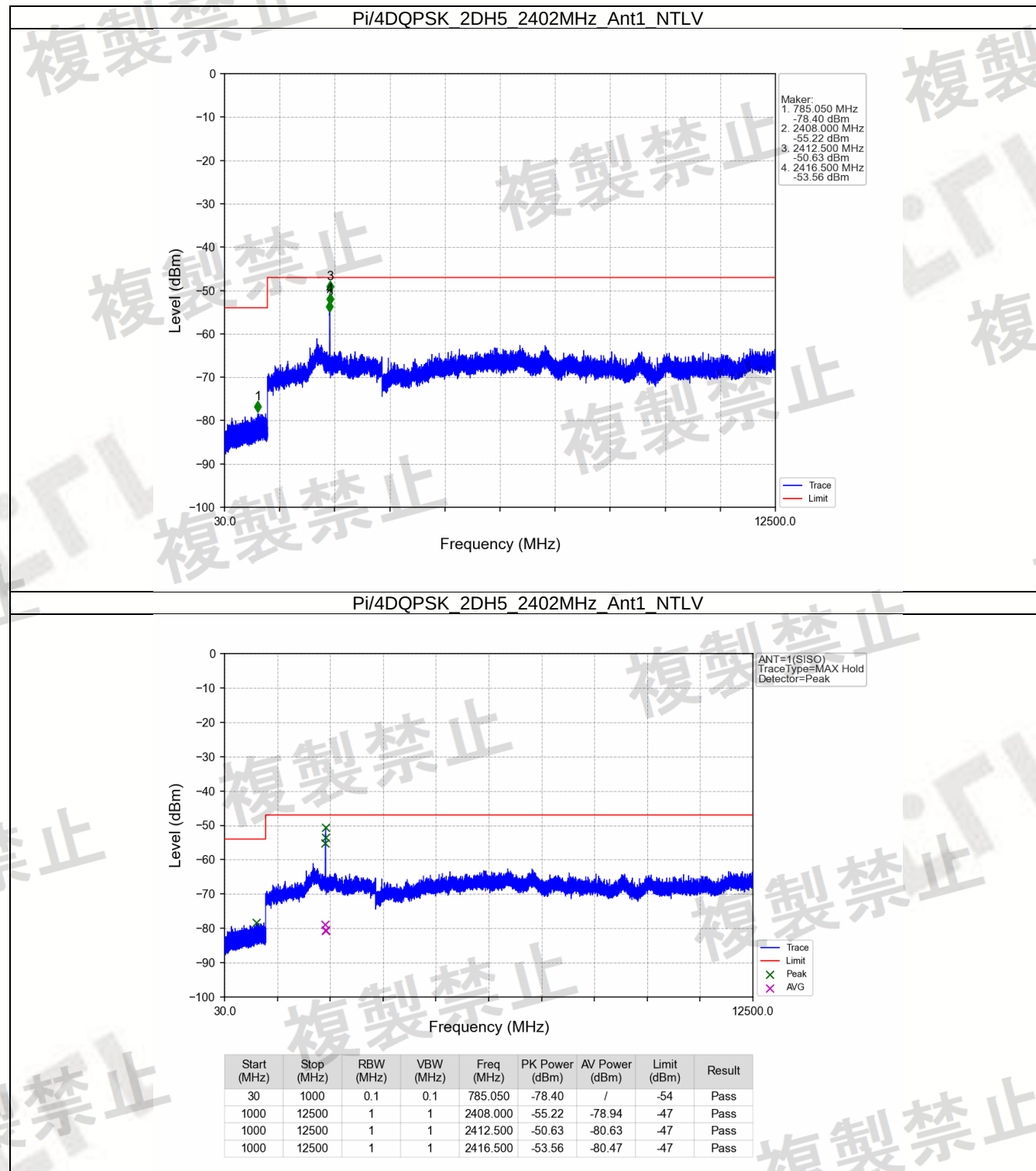
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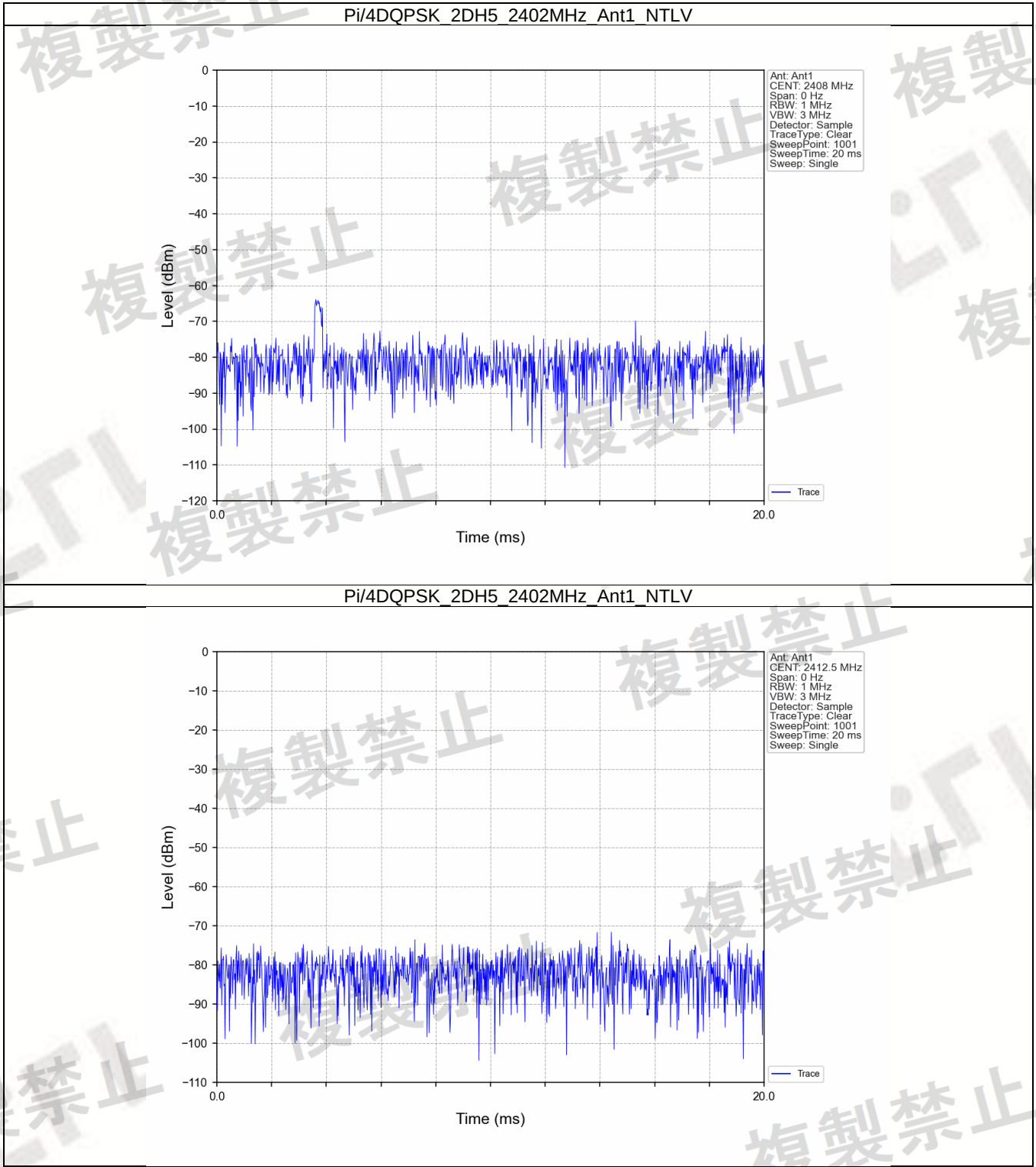
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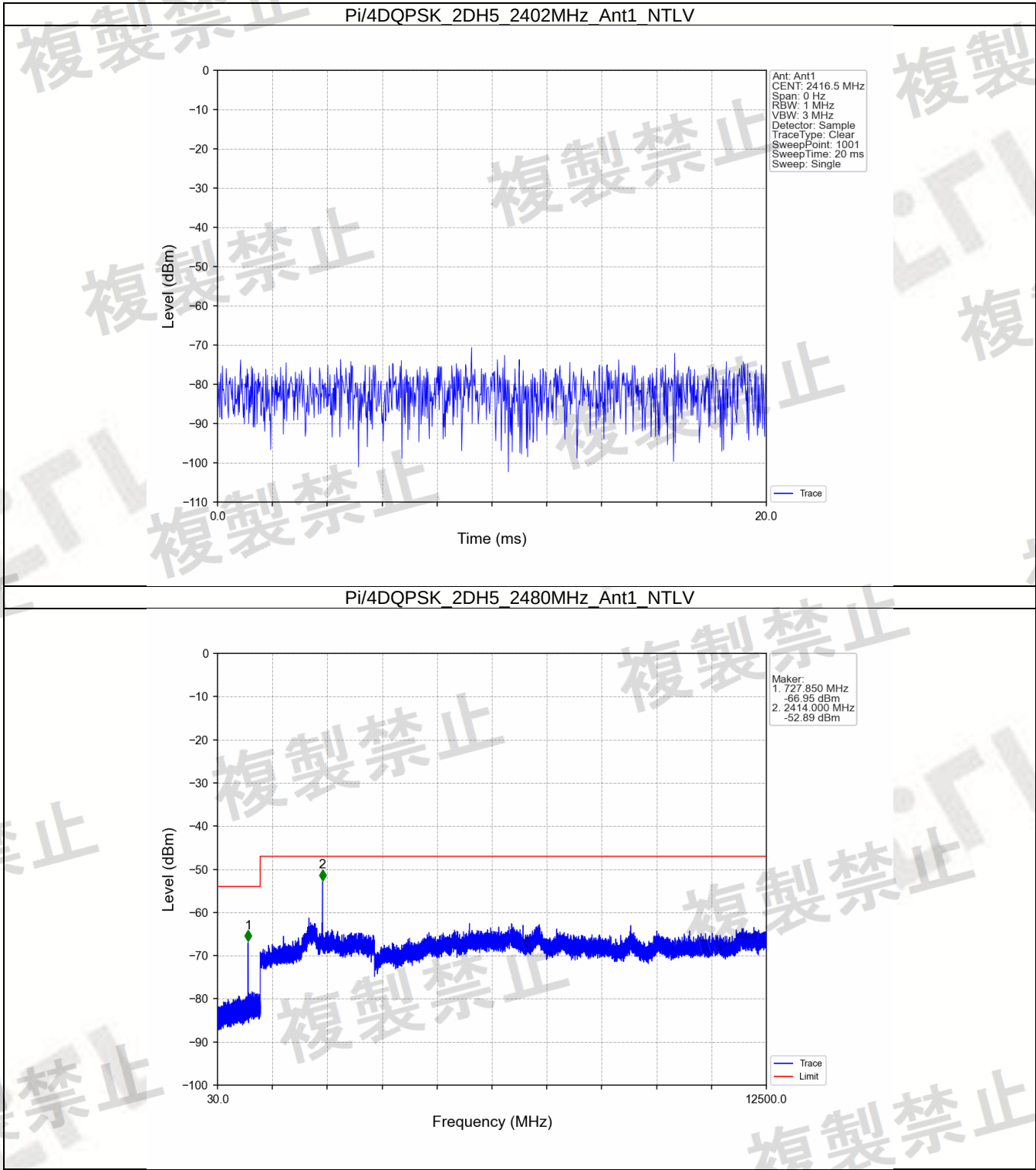
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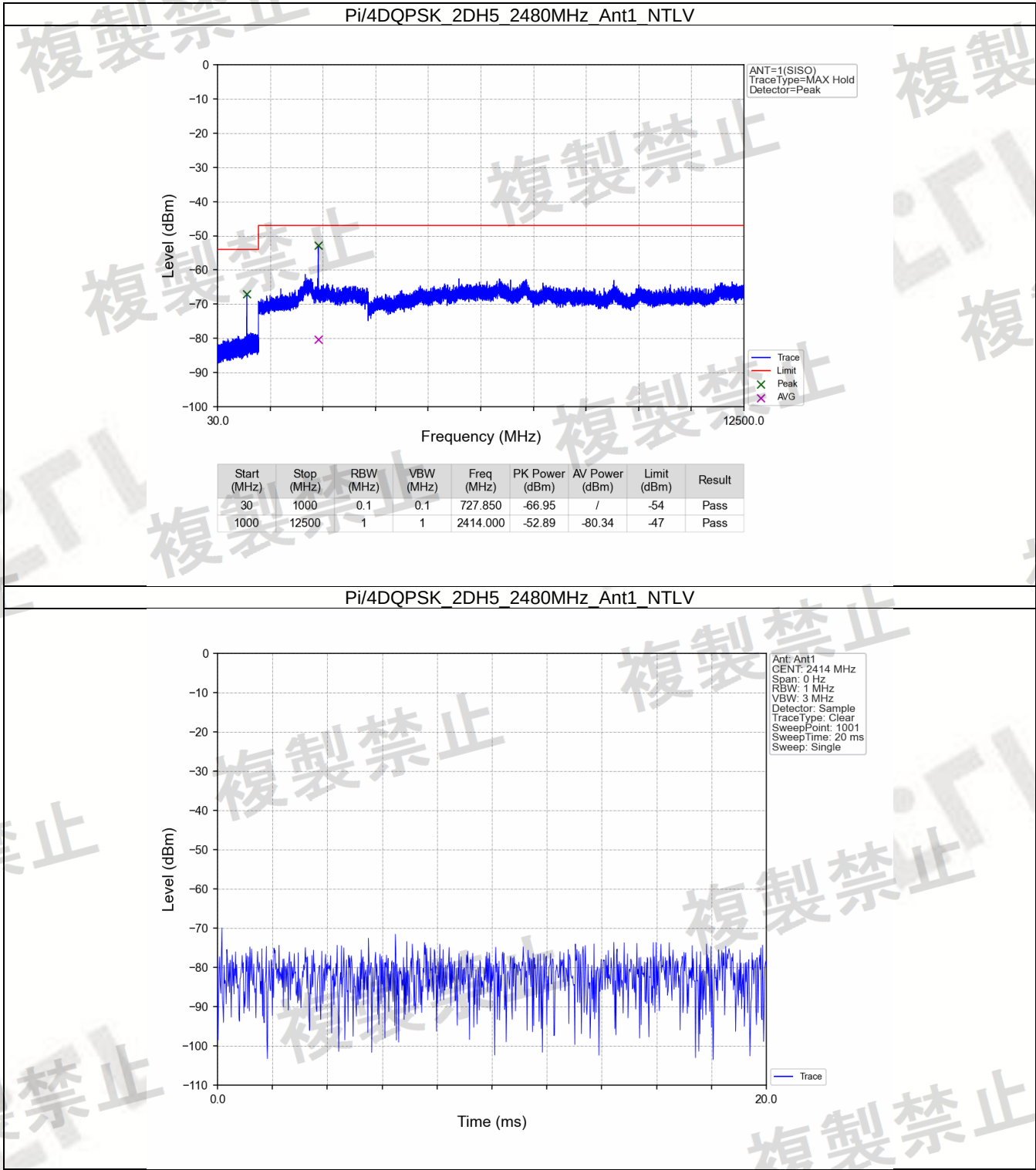
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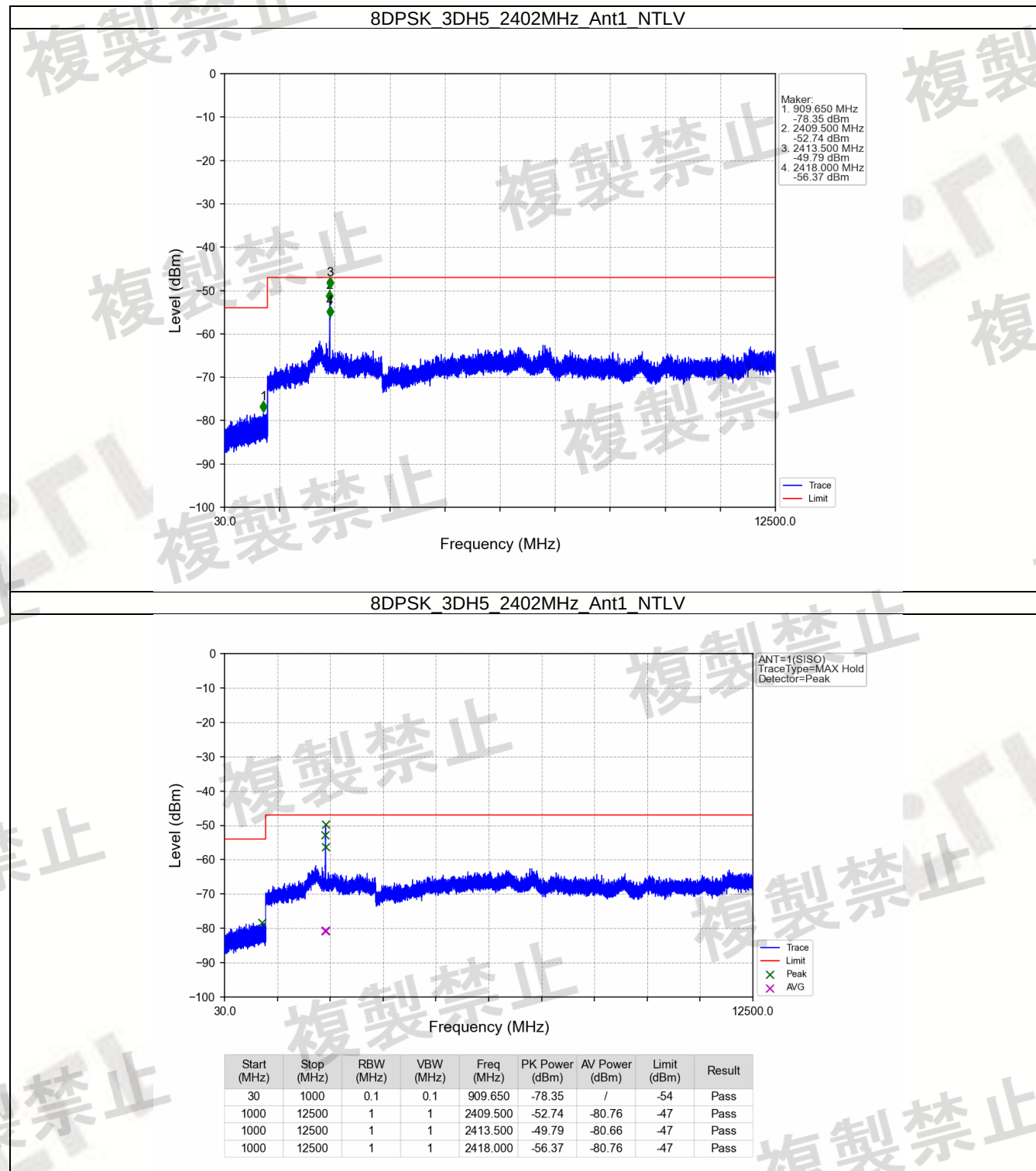
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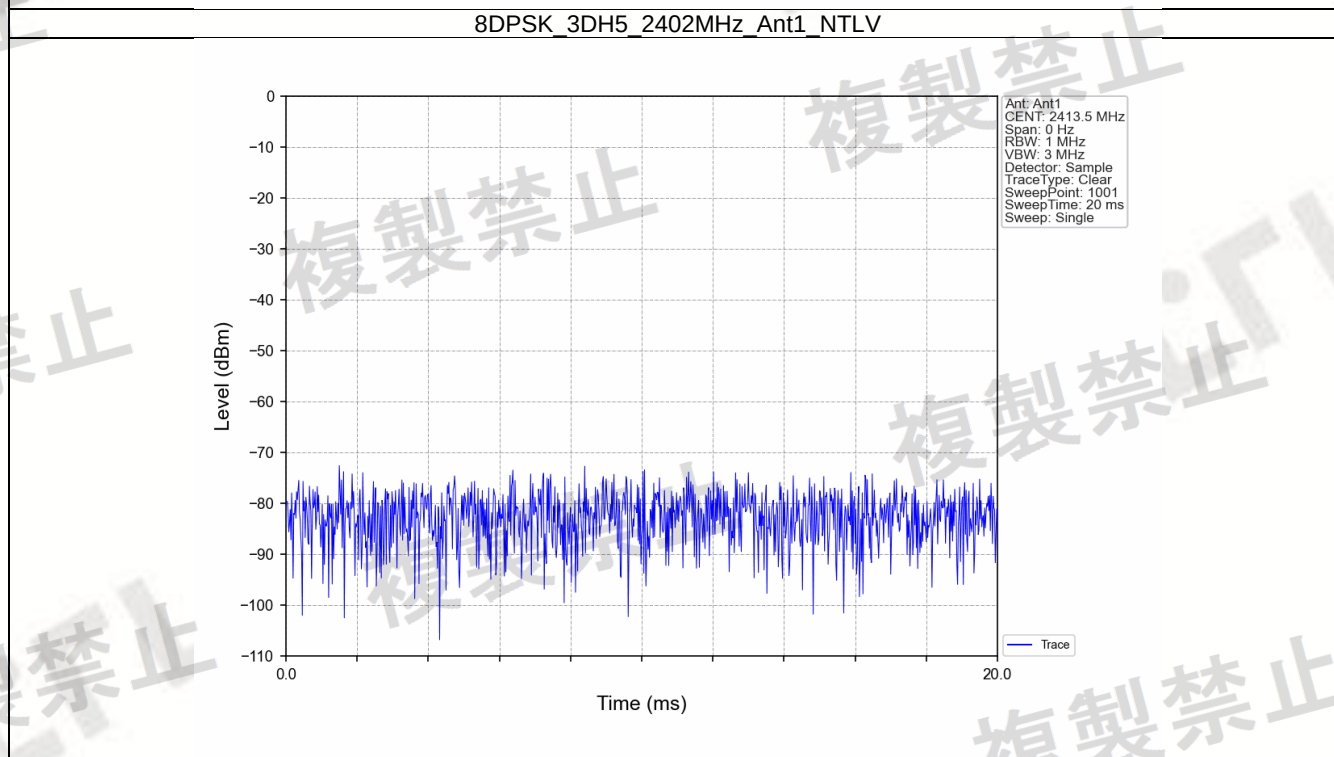
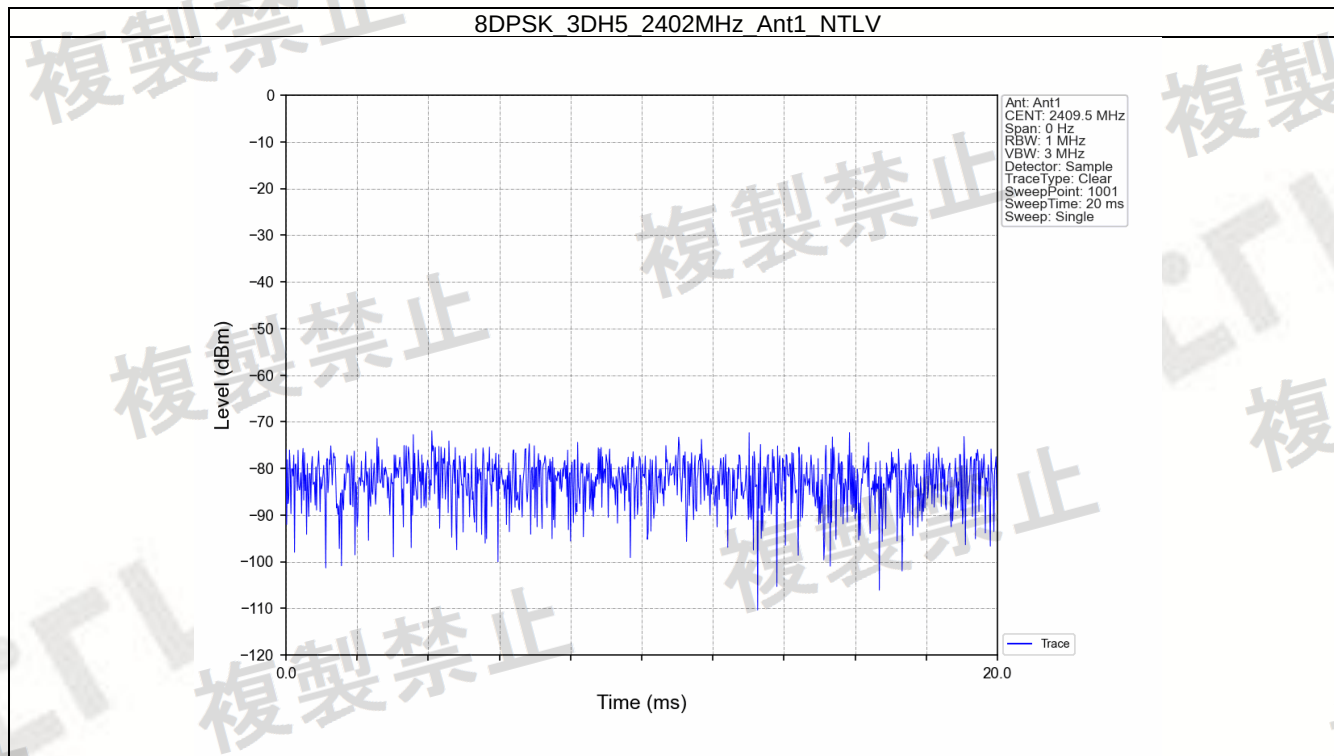
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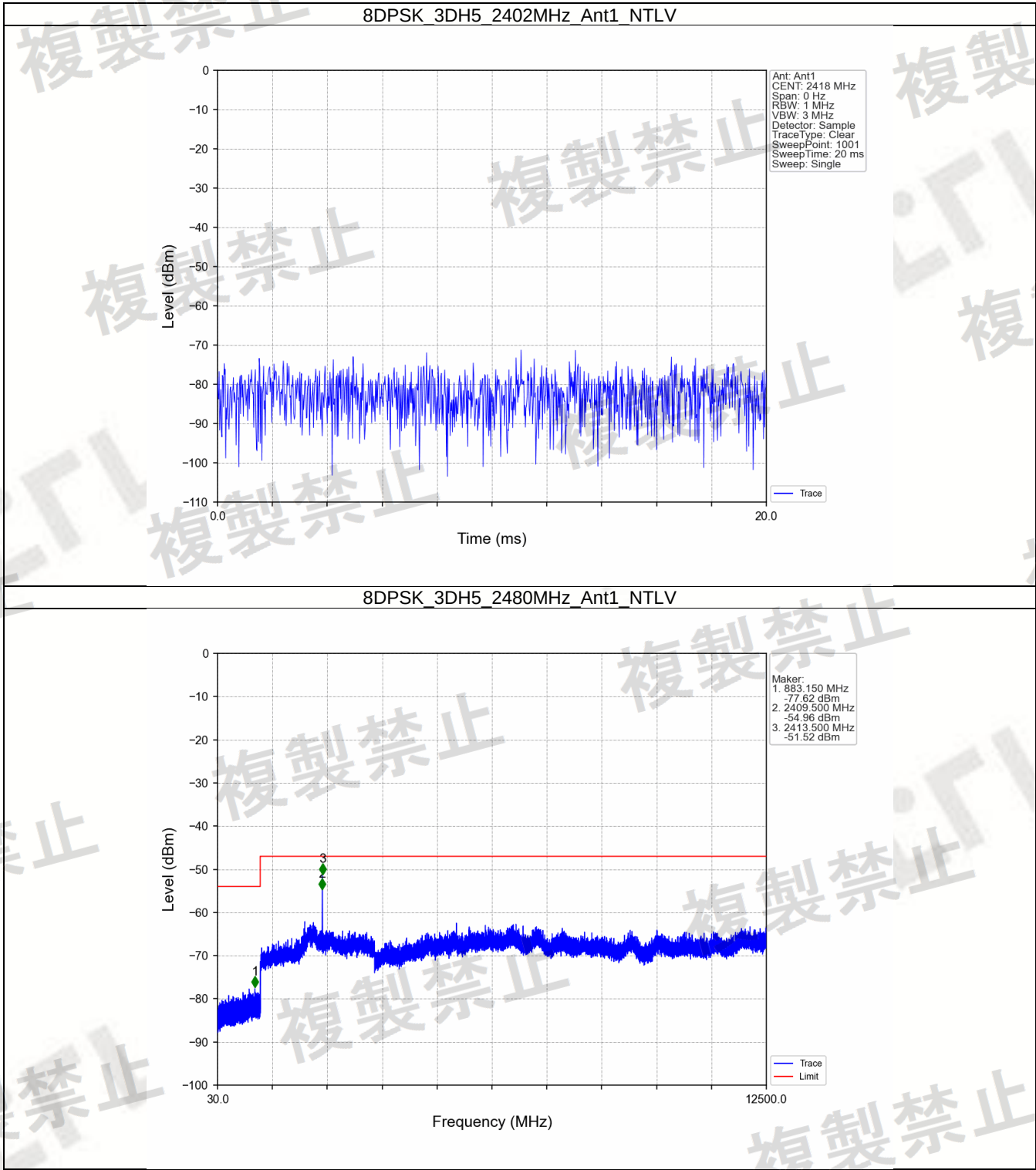
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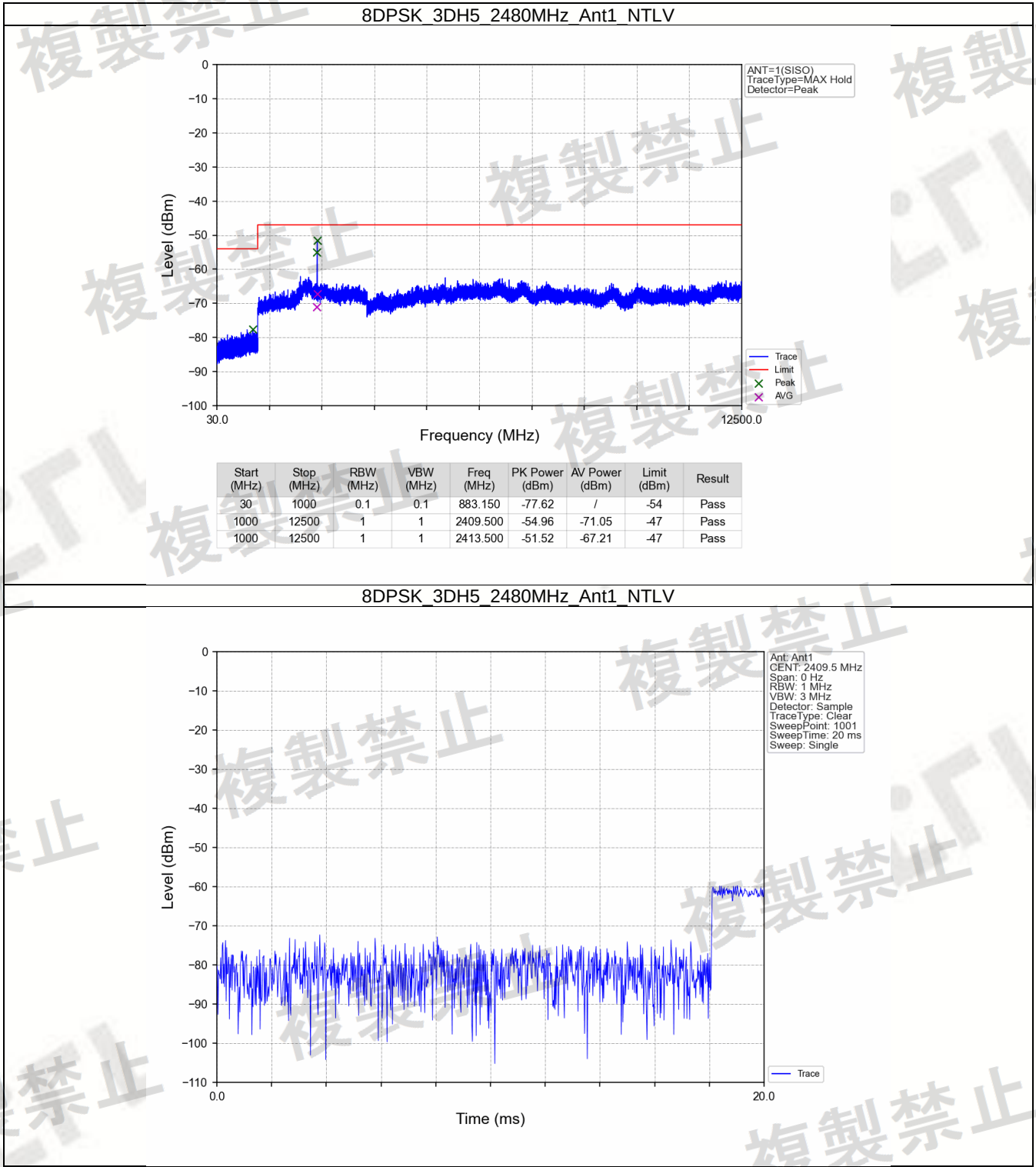
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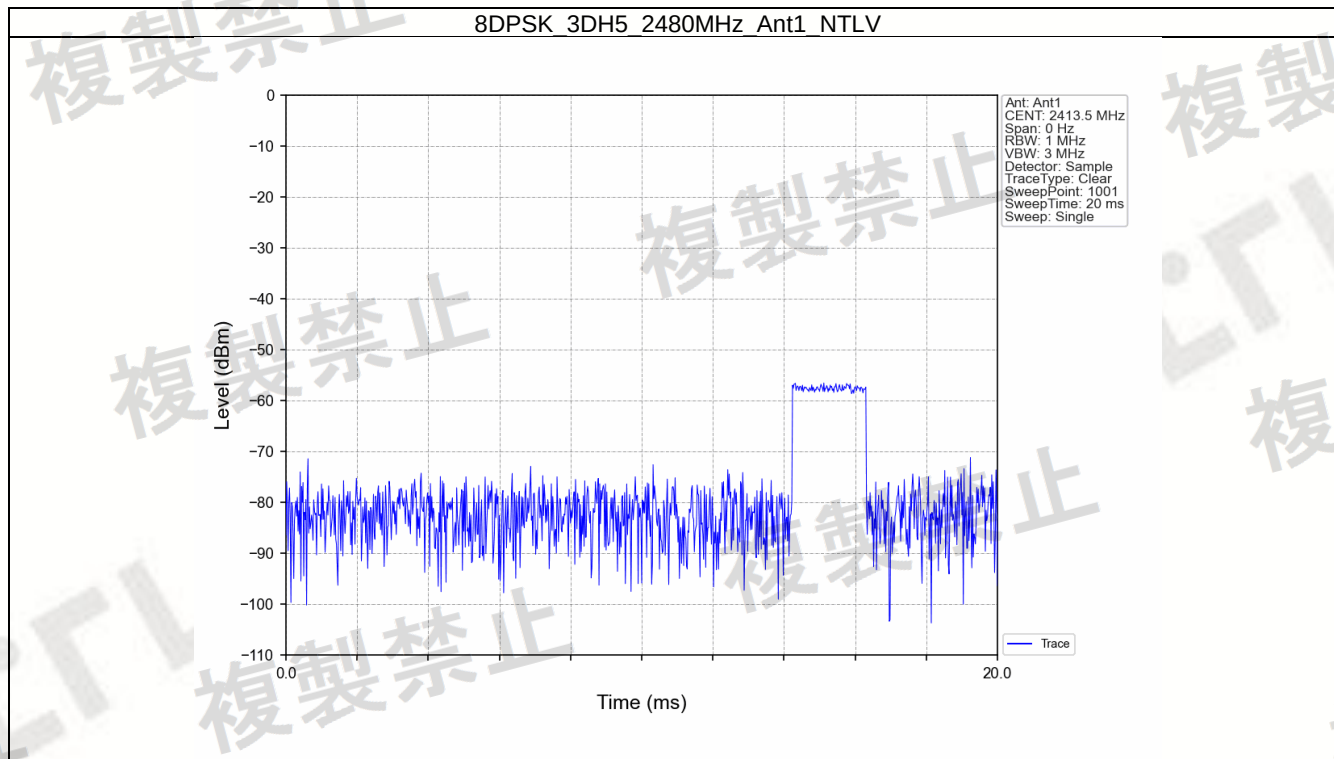
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MIC: 219-259748

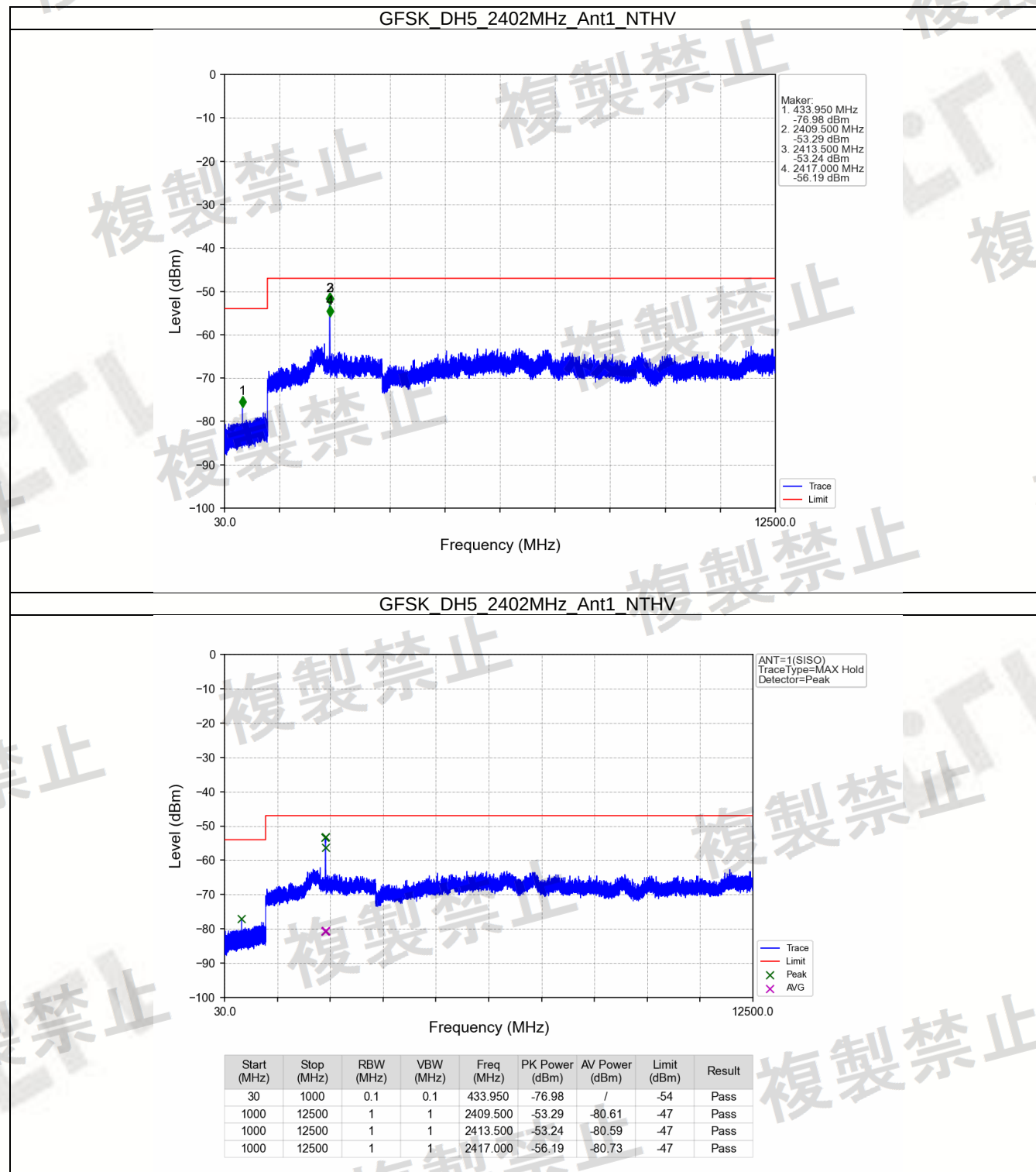


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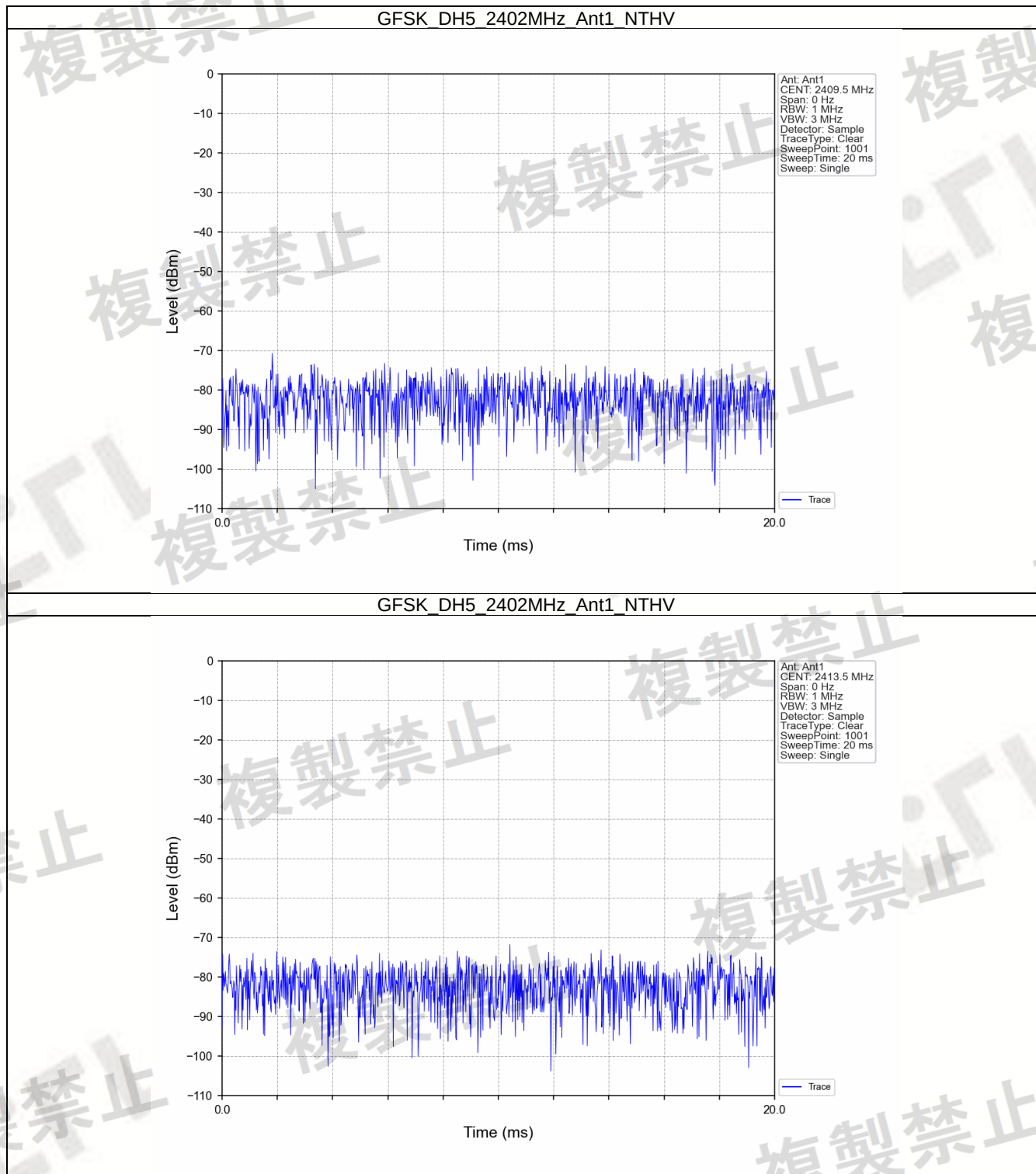


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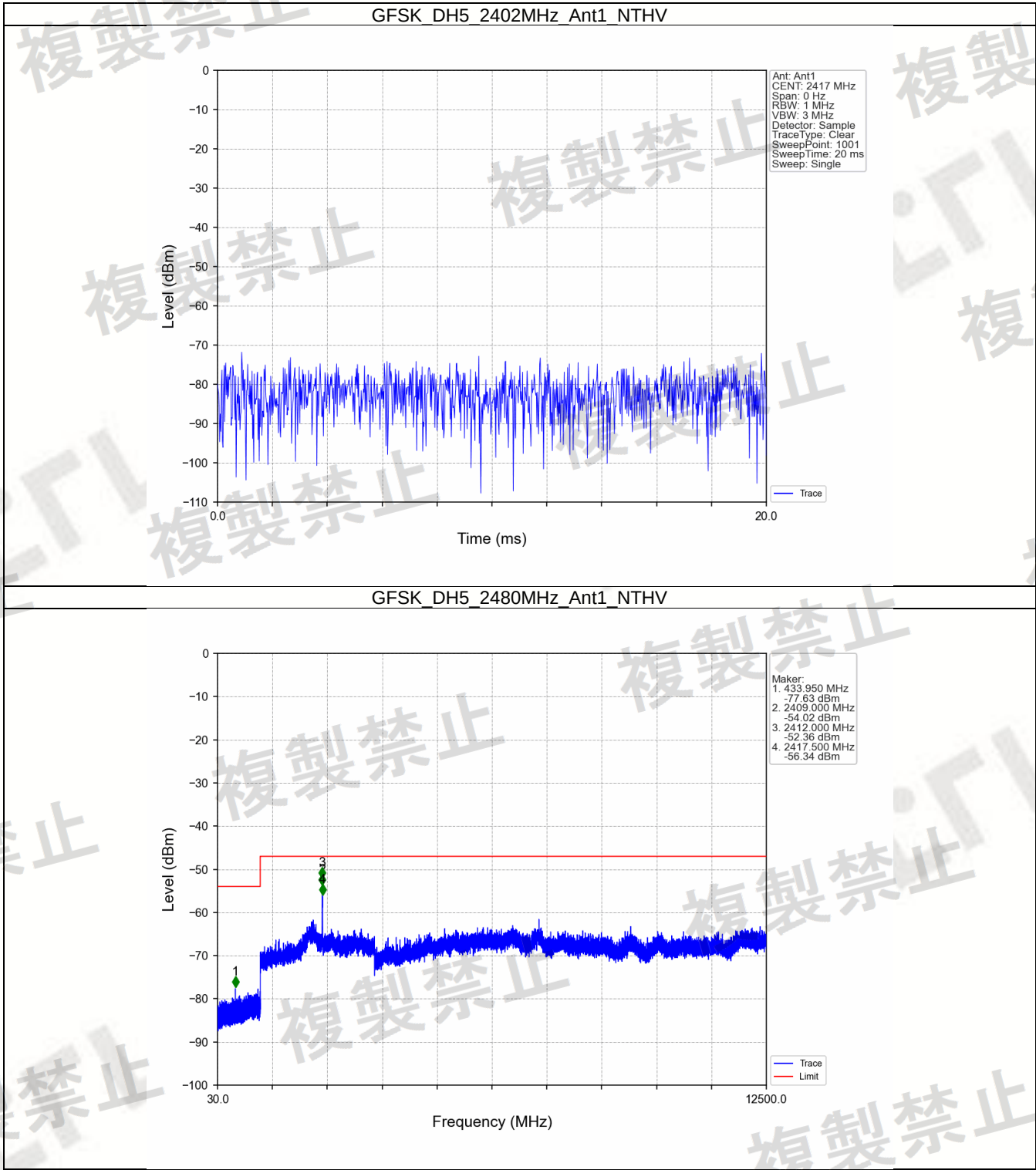
7.2.3 RxSe_NTHV



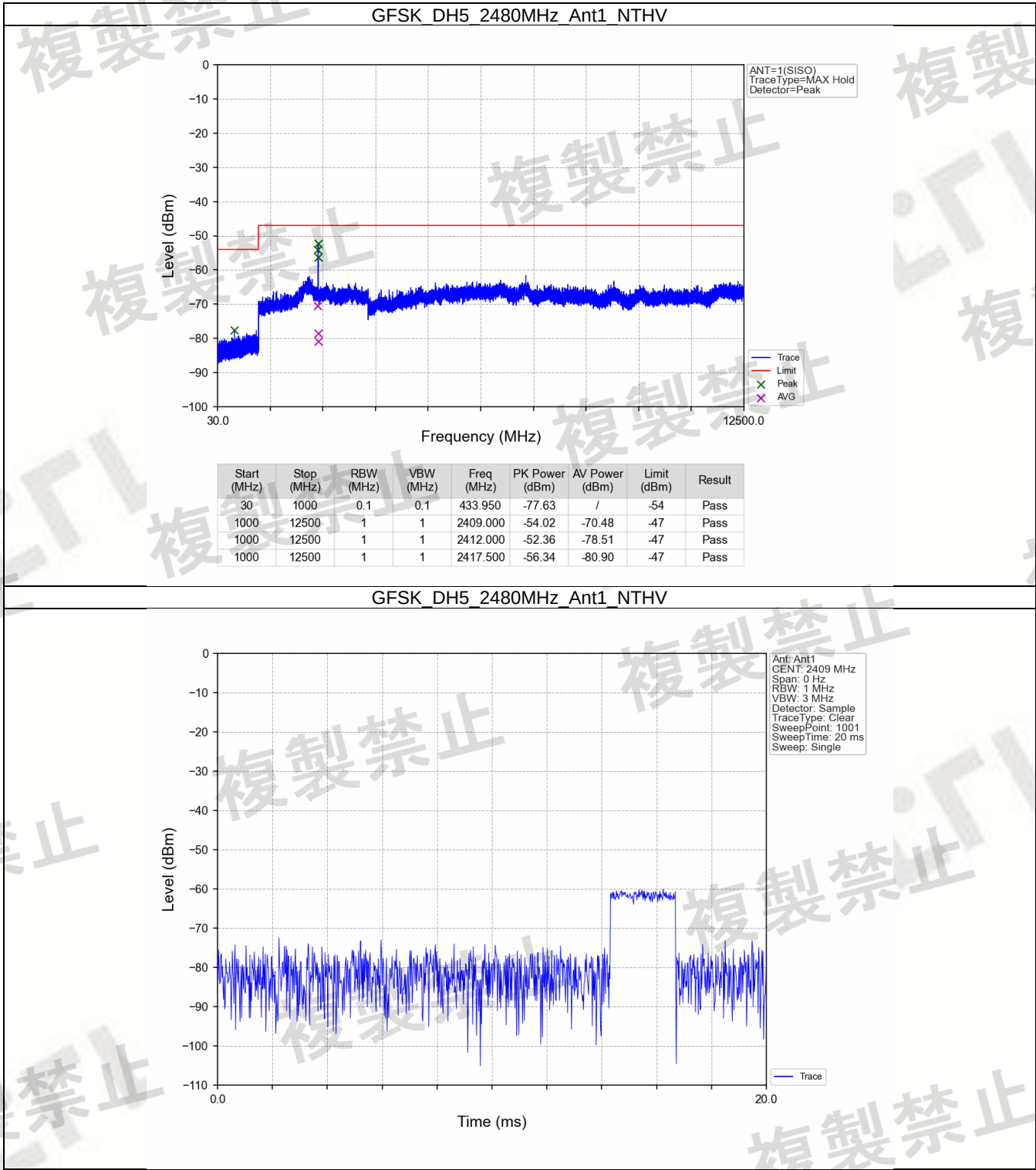
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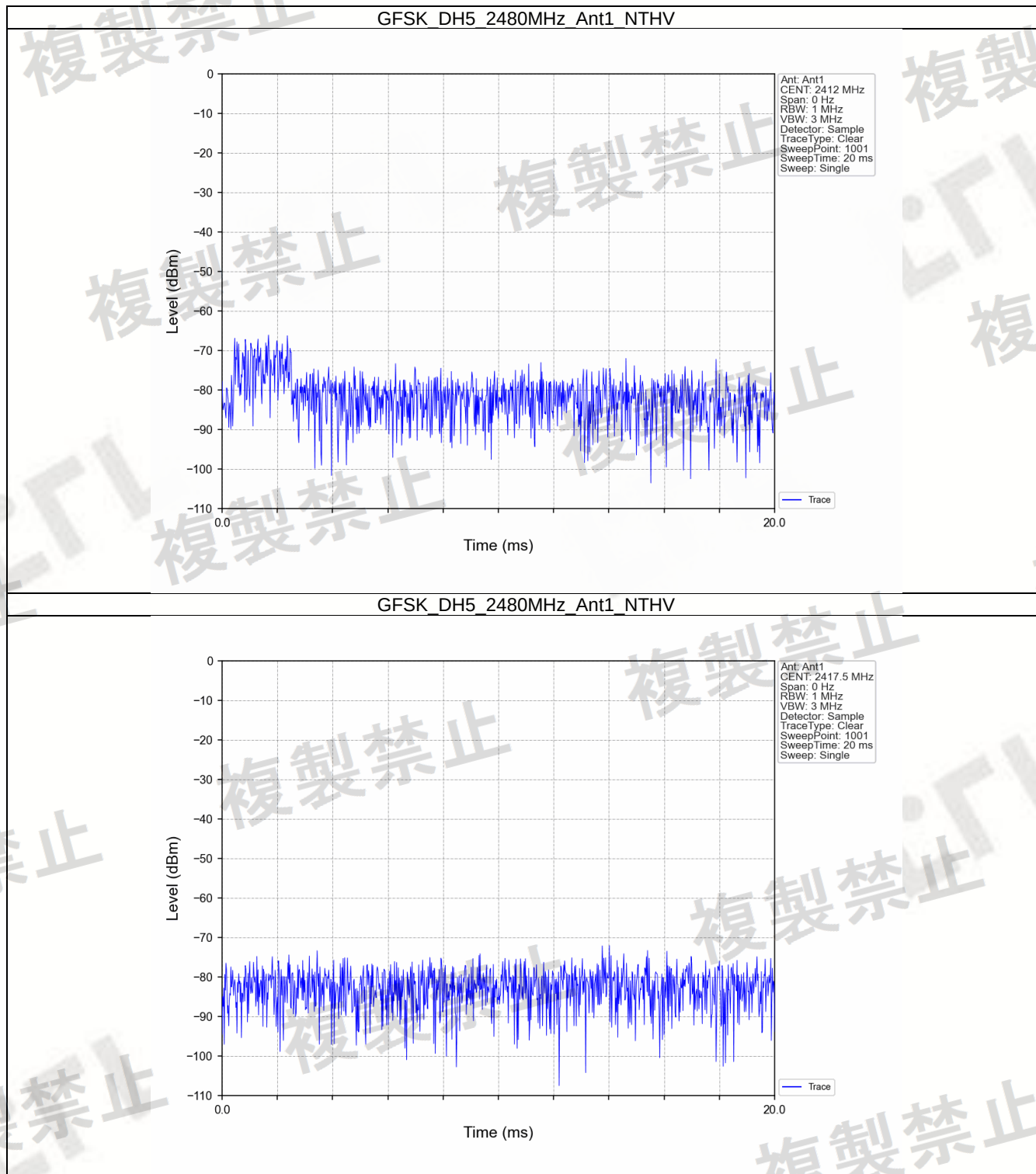
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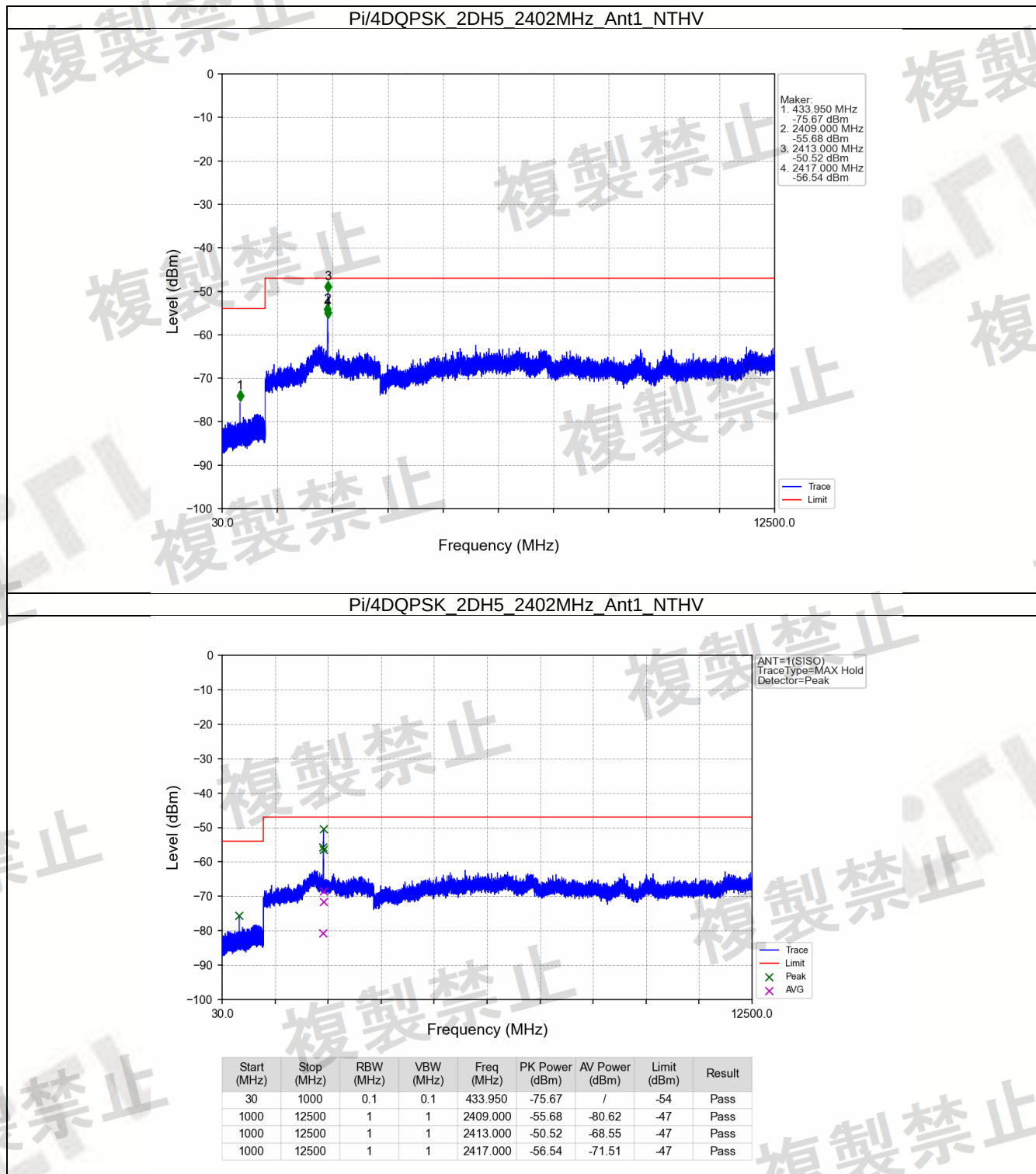
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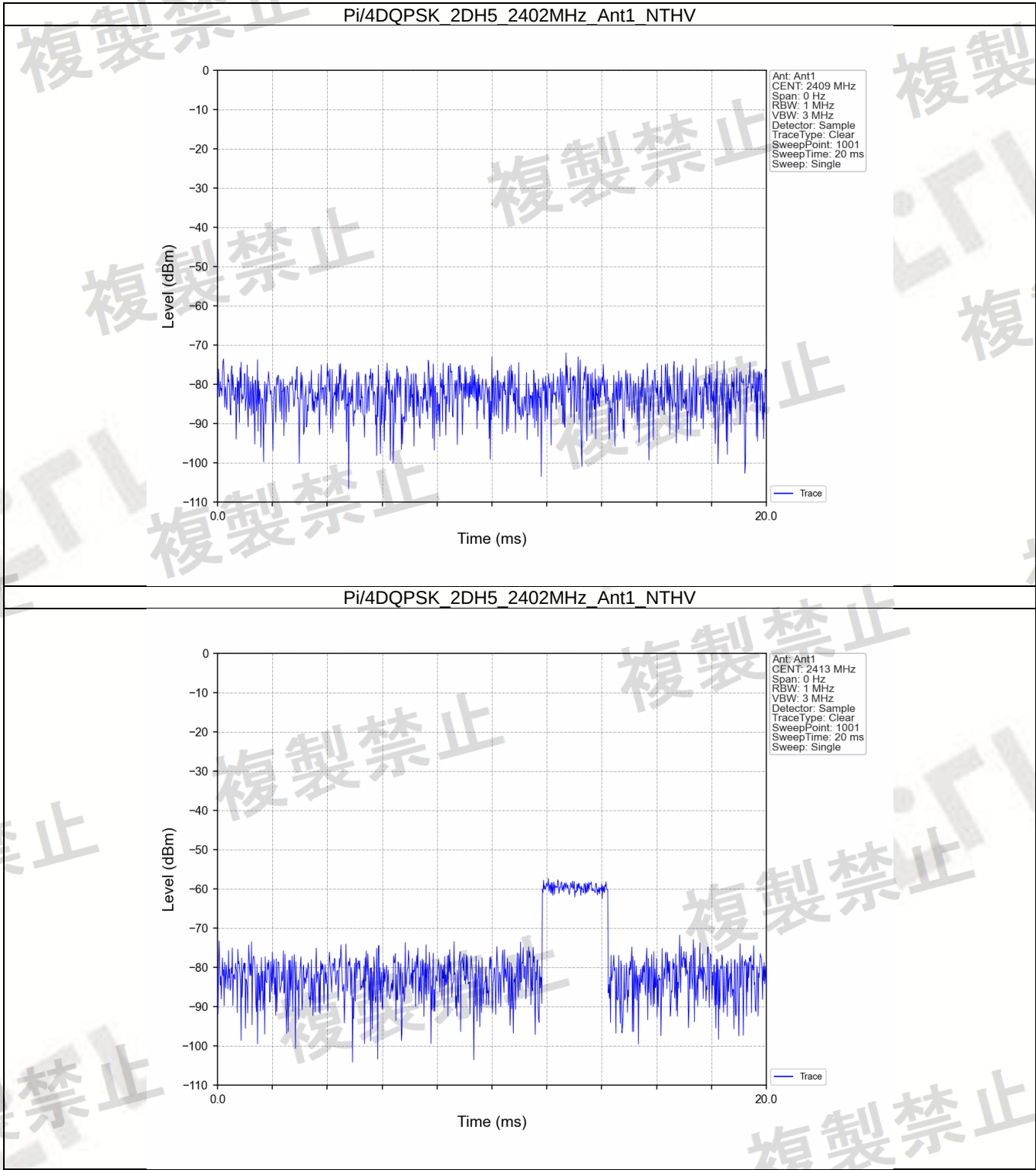
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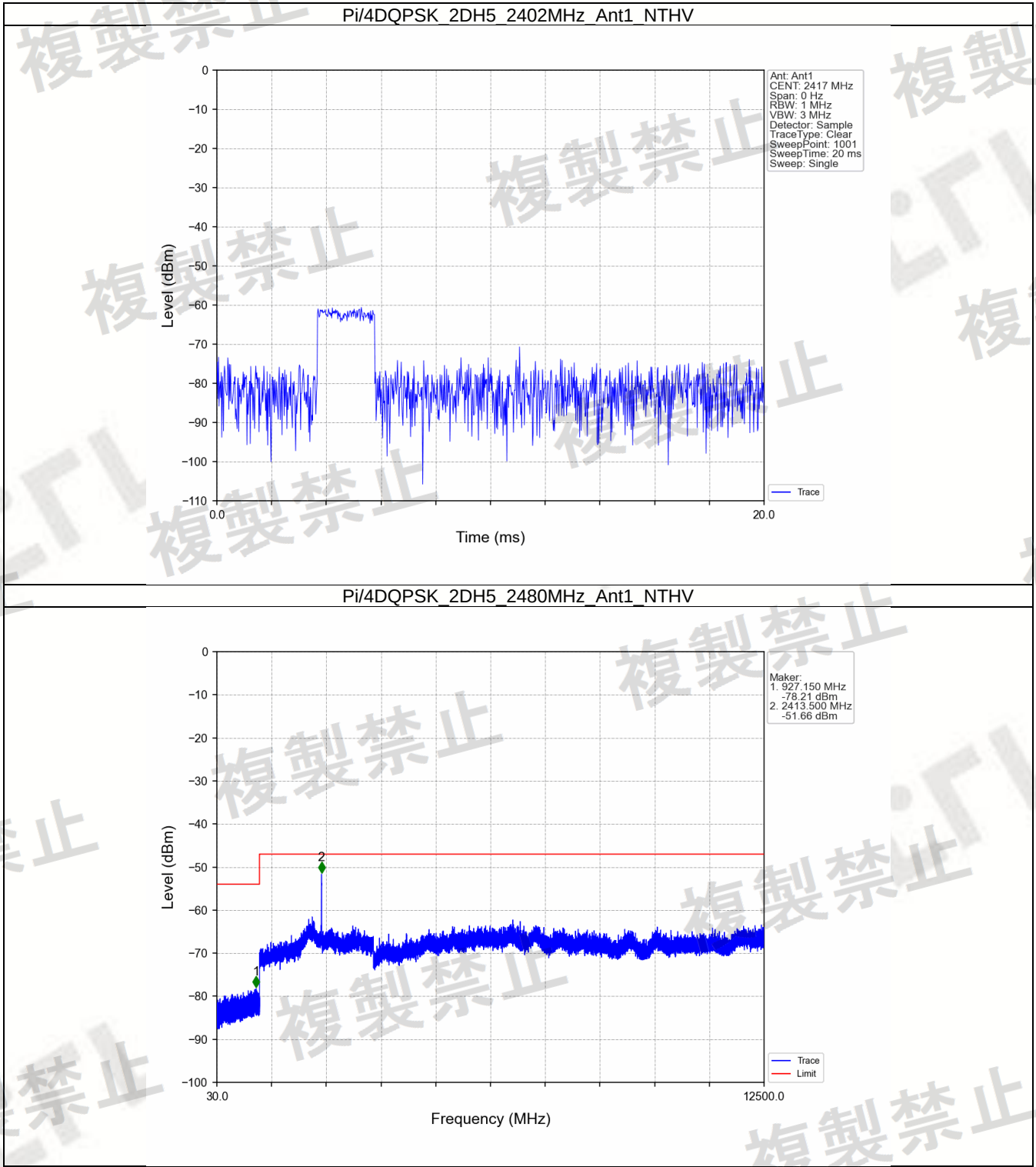
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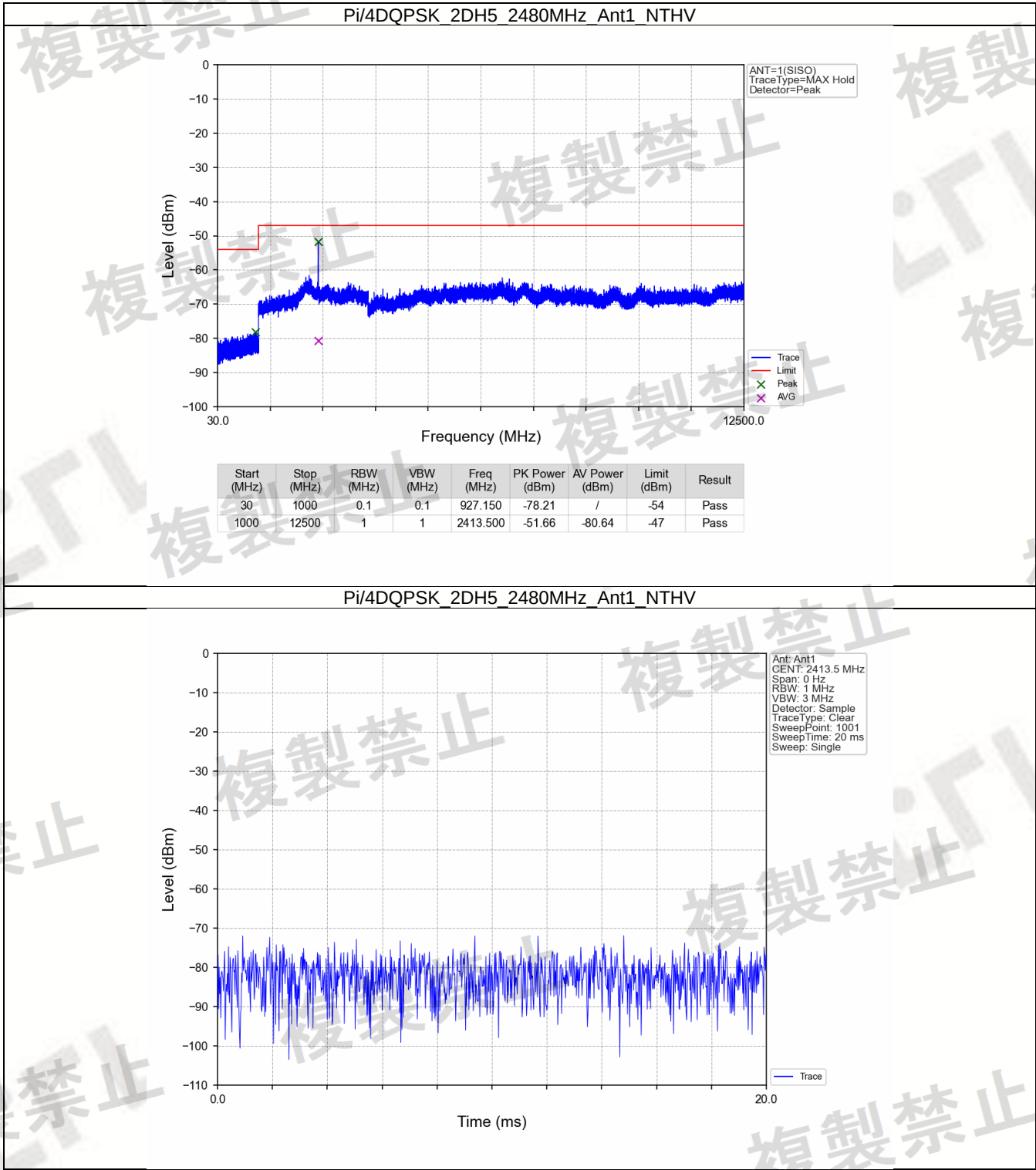
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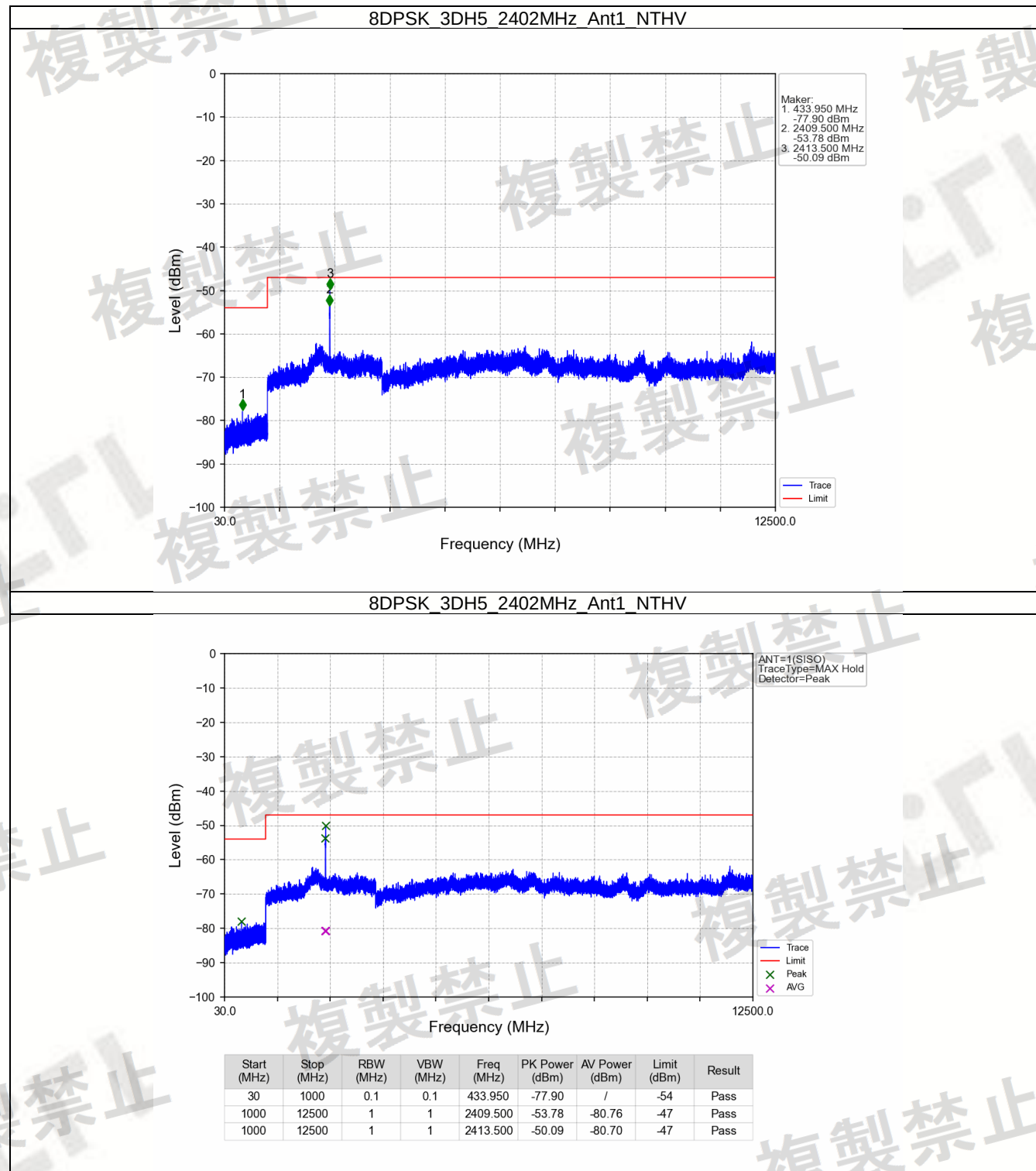
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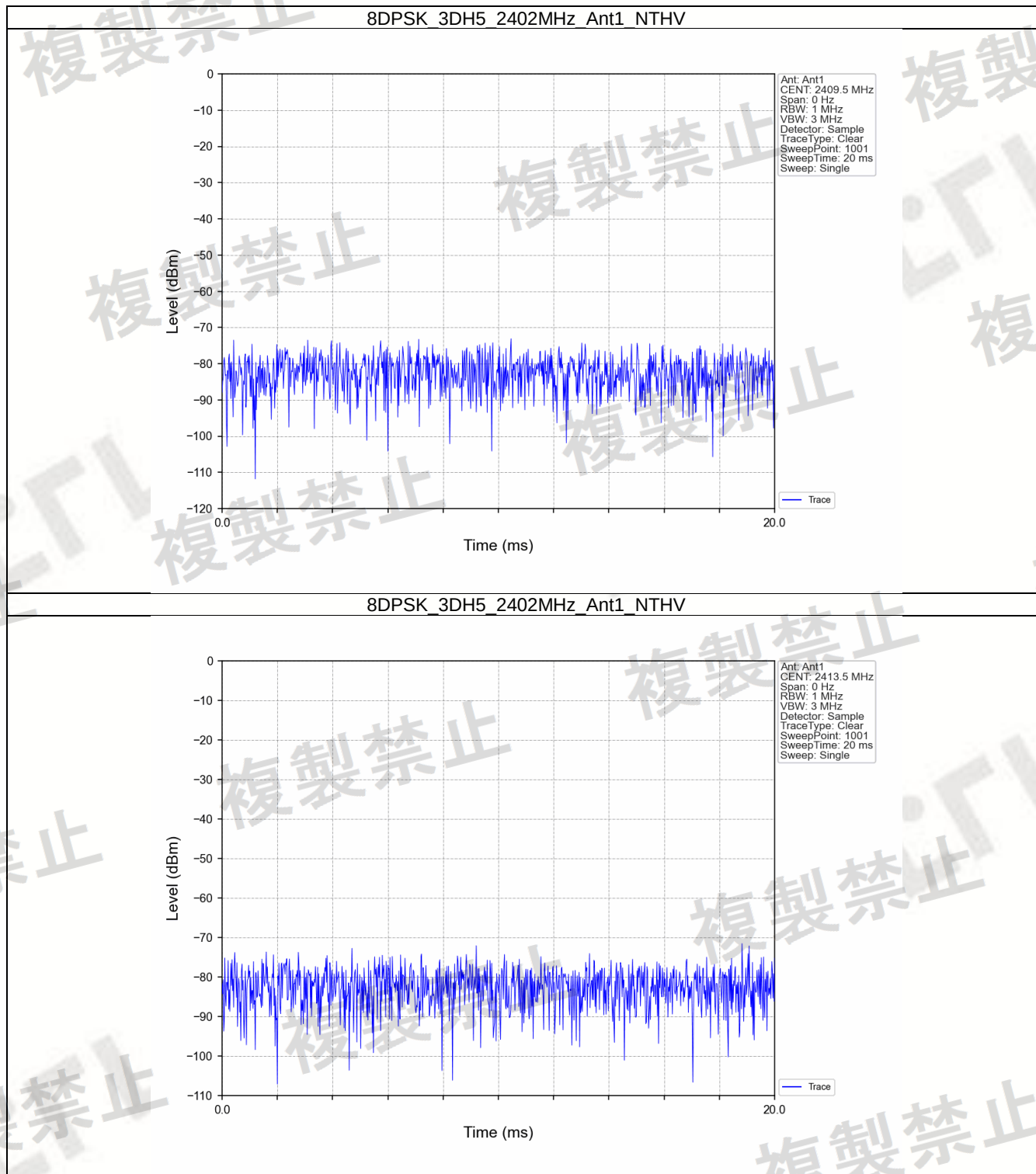
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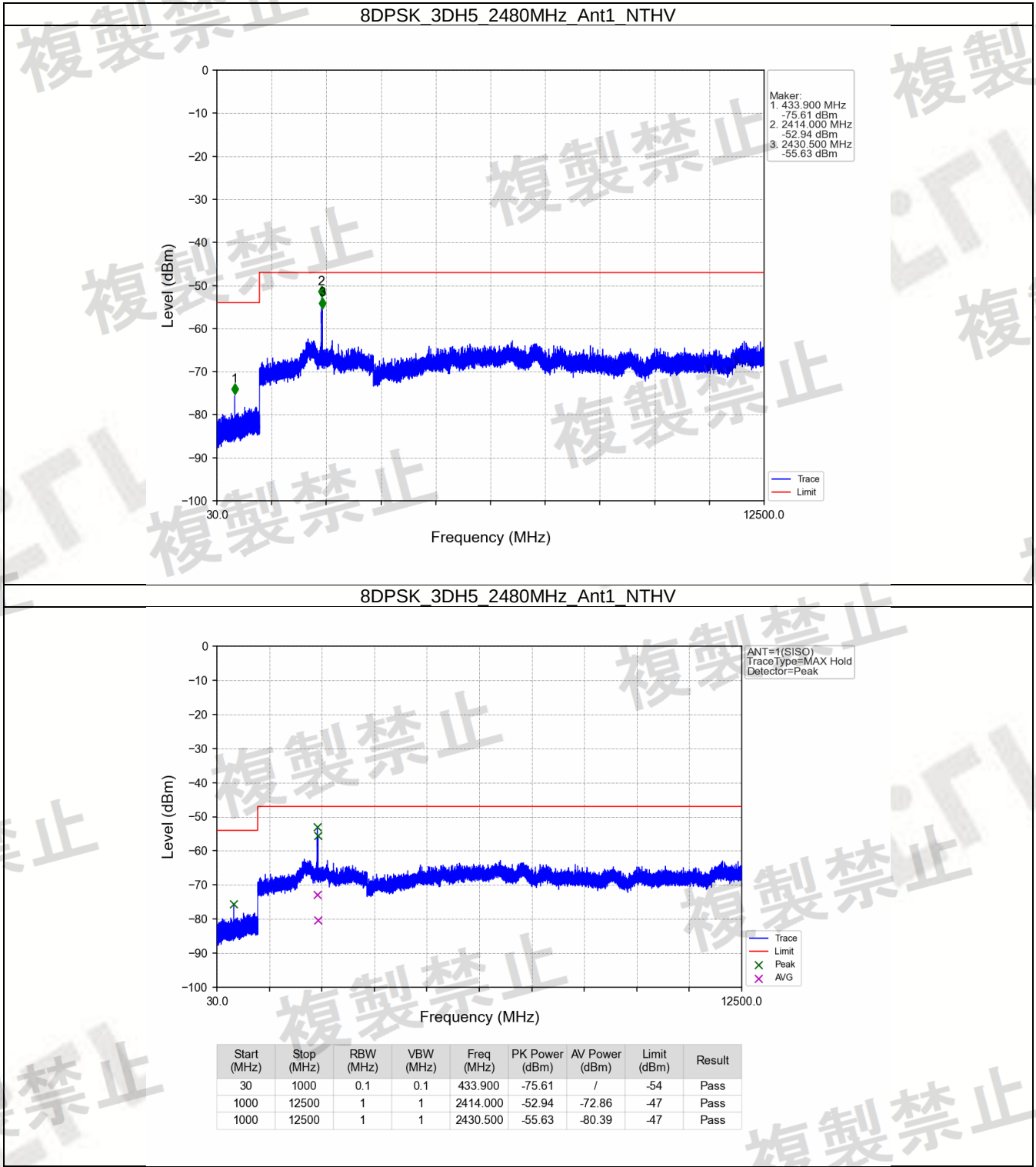
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