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Annex for Bluetooth

Test Report No.: CTL2601123011-MIC

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MIC: 219-269023

1. Frequency Error

1.1 Test Result

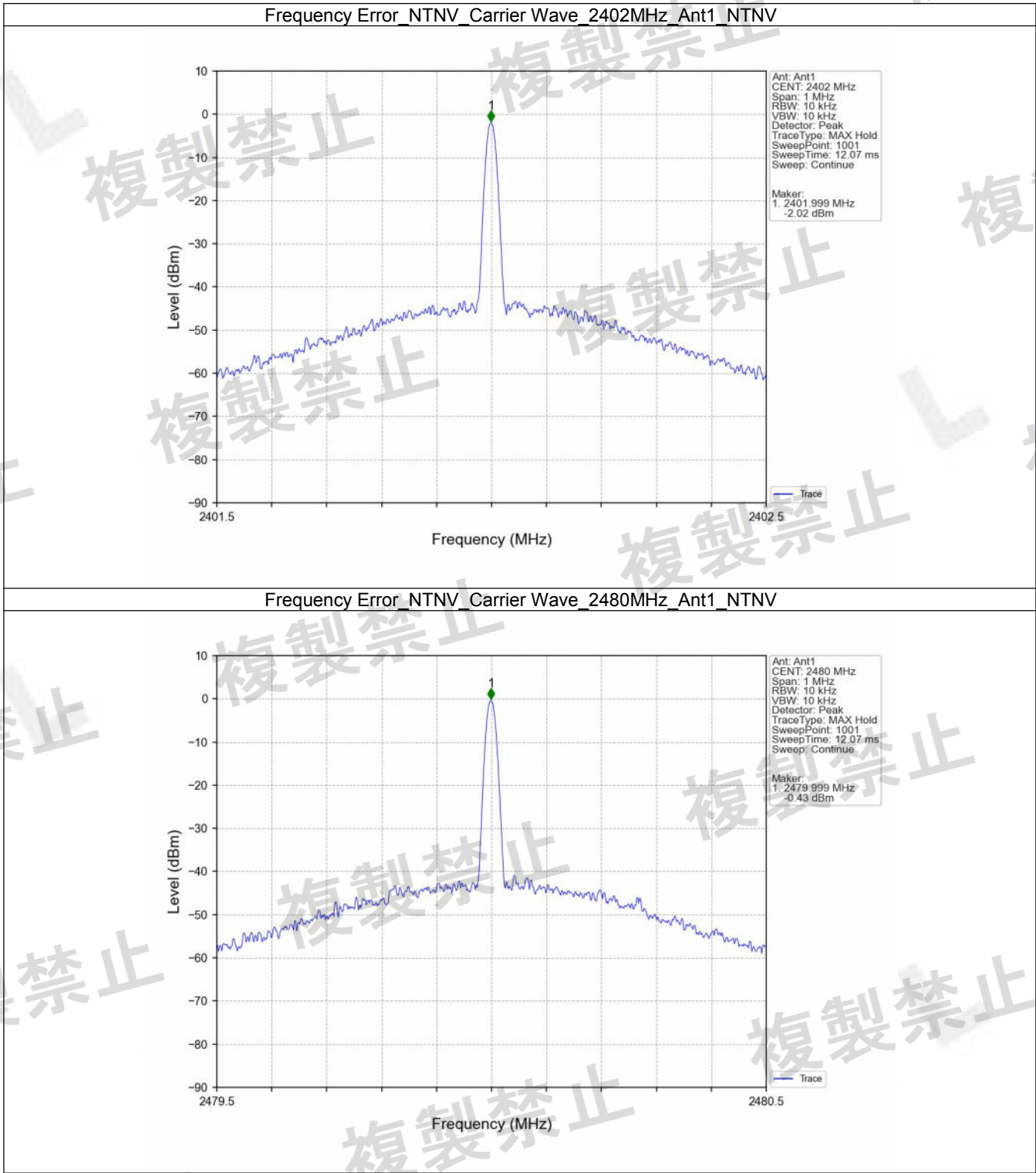
1.1.1 Ant1

Ant1								
ENV	Mode	TX Type	Frequency (MHz)	Packet Type	Measured Frequency (MHz)	Tolerance (ppm)		Verdict
						Result	Limit	
NTNV	Carrier Wave	SISO	2402	DH5	2401.999	-0.42	-50 to 50	Pass
			2480	DH5	2479.999	-0.40	-50 to 50	Pass
NTLV	Carrier Wave	SISO	2402	DH5	2401.999	-0.42	-50 to 50	Pass
			2480	DH5	2479.999	-0.40	-50 to 50	Pass
NTHV	Carrier Wave	SISO	2402	DH5	2401.999	-0.42	-50 to 50	Pass
			2480	DH5	2479.998	-0.81	-50 to 50	Pass

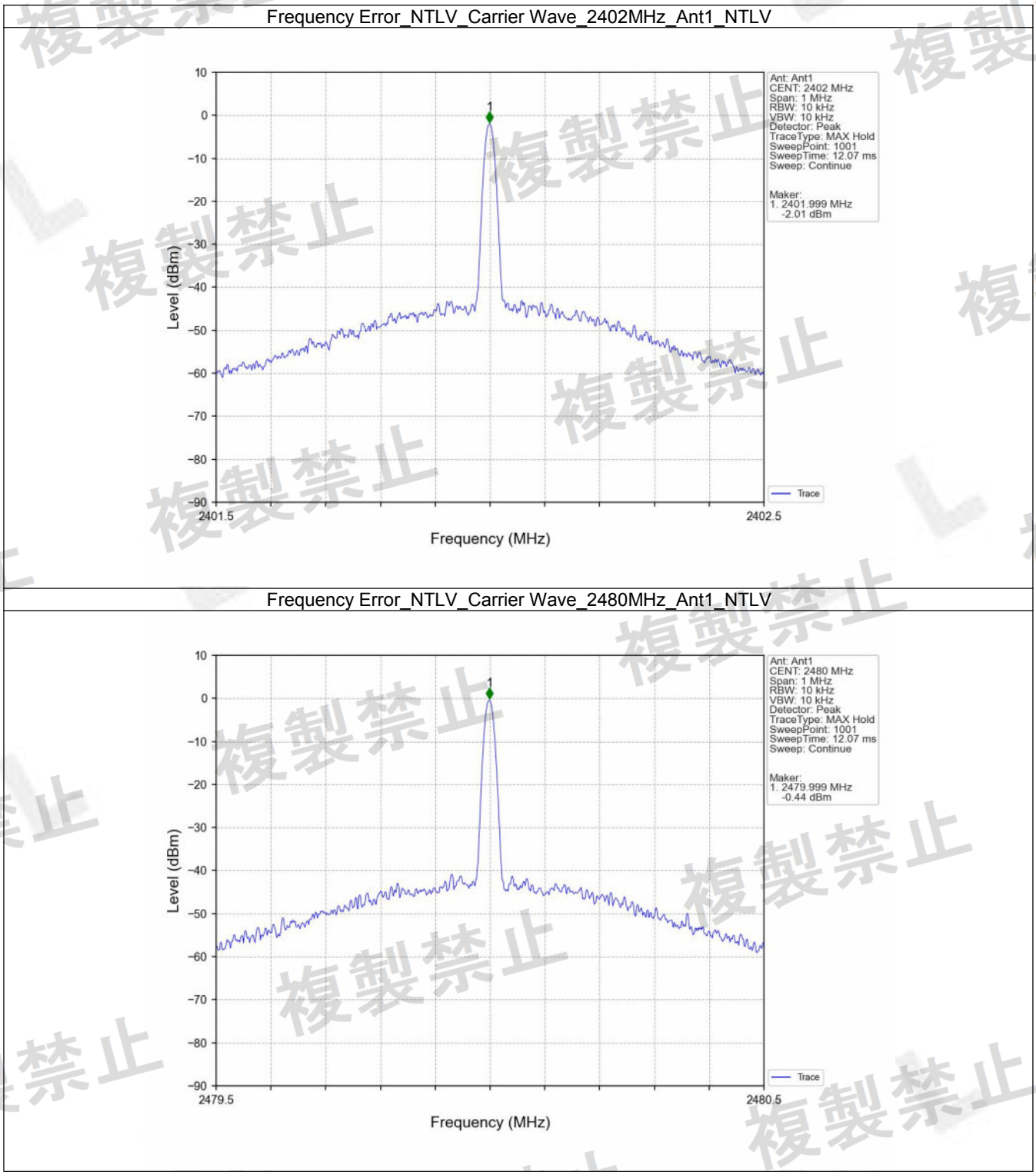
MIC: 219-269023

1.2 Test Graph

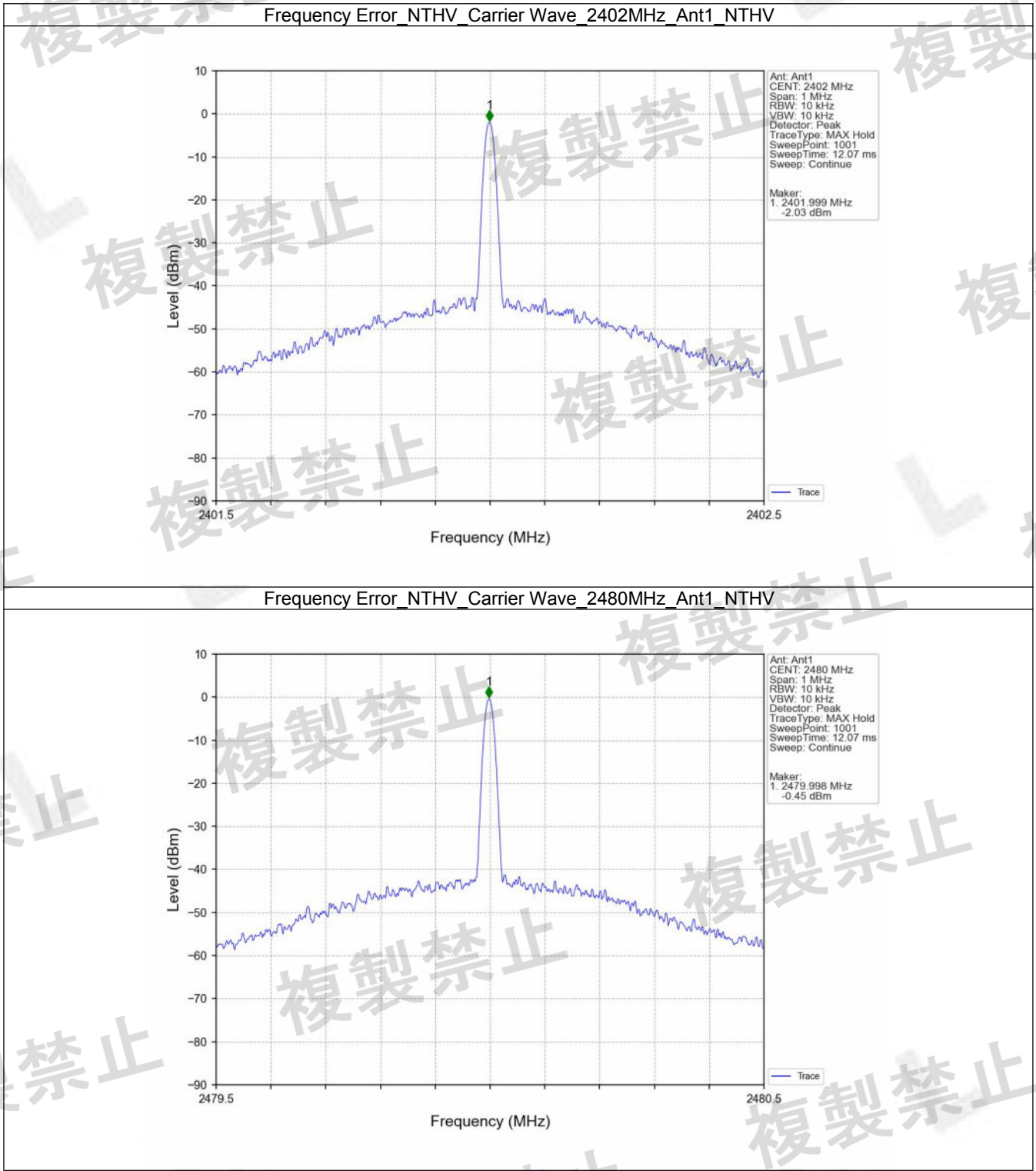
1.2.1 Ant1



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2. Occupied Bandwidth

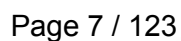
2.1 Test Result

2.1.1 OBW

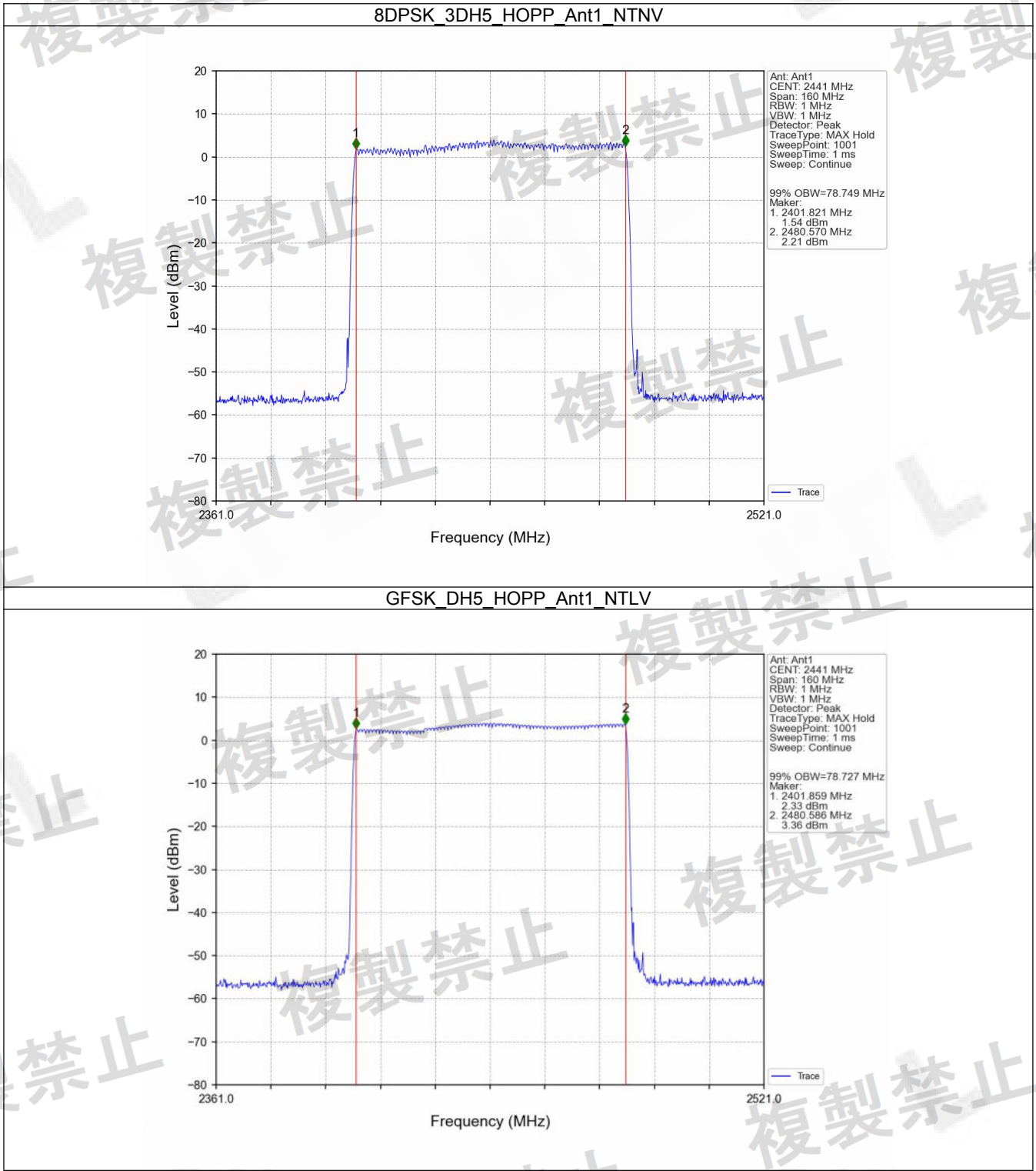
ENV	Mode	TX Type	Frequency (MHz)	Packet Type	99% Occupied Bandwidth (MHz)		Verdict
					ANT1	Limit	
NTNV	GFSK	SISO	HOPP	DH5	78.729	<=83.5	Pass
	Pi/4DQPSK	SISO	HOPP	2DH5	78.755	<=83.5	Pass
	8DPSK	SISO	HOPP	3DH5	78.749	<=83.5	Pass
NTLV	GFSK	SISO	HOPP	DH5	78.727	<=83.5	Pass
	Pi/4DQPSK	SISO	HOPP	2DH5	78.777	<=83.5	Pass
	8DPSK	SISO	HOPP	3DH5	78.731	<=83.5	Pass
NTHV	GFSK	SISO	HOPP	DH5	78.715	<=83.5	Pass
	Pi/4DQPSK	SISO	HOPP	2DH5	78.819	<=83.5	Pass
	8DPSK	SISO	HOPP	3DH5	78.772	<=83.5	Pass

2.2 Test Graph

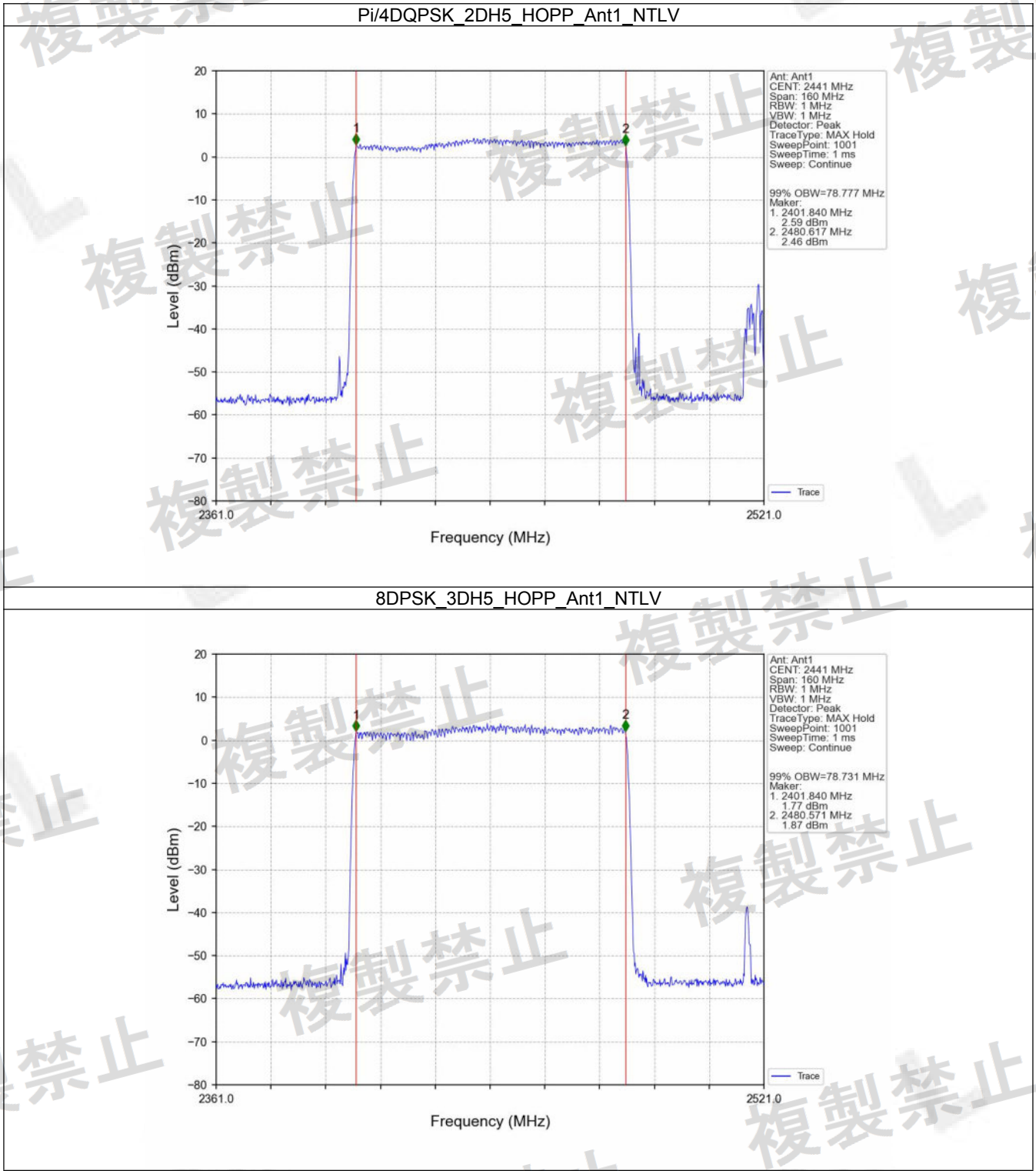
2.2.1 OBW



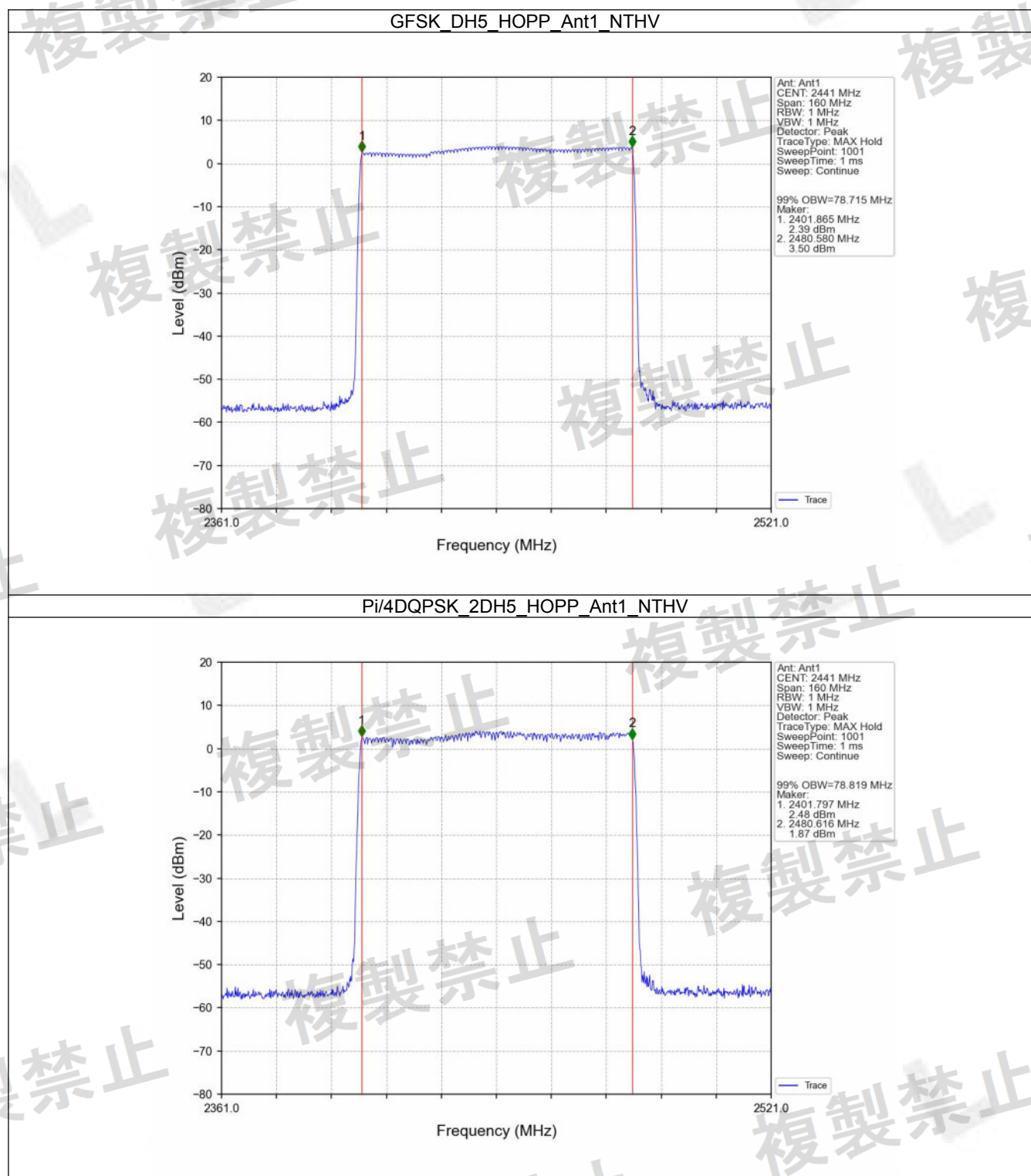
MIC: 219-269023



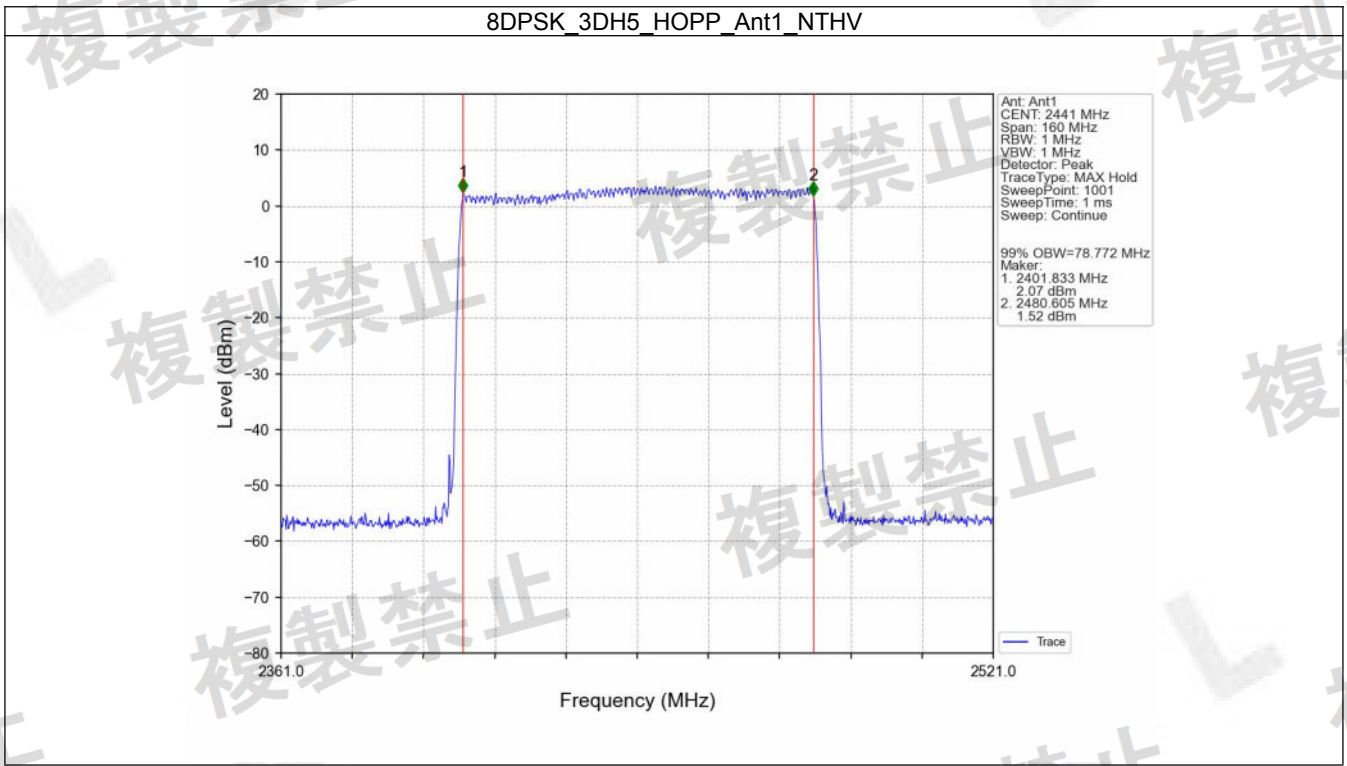
MIC: 219-269023



MIC: 219-269023



MIC: 219-269023



MIC: 219-269023

3. Spread Bandwidth

3.1 Test Result

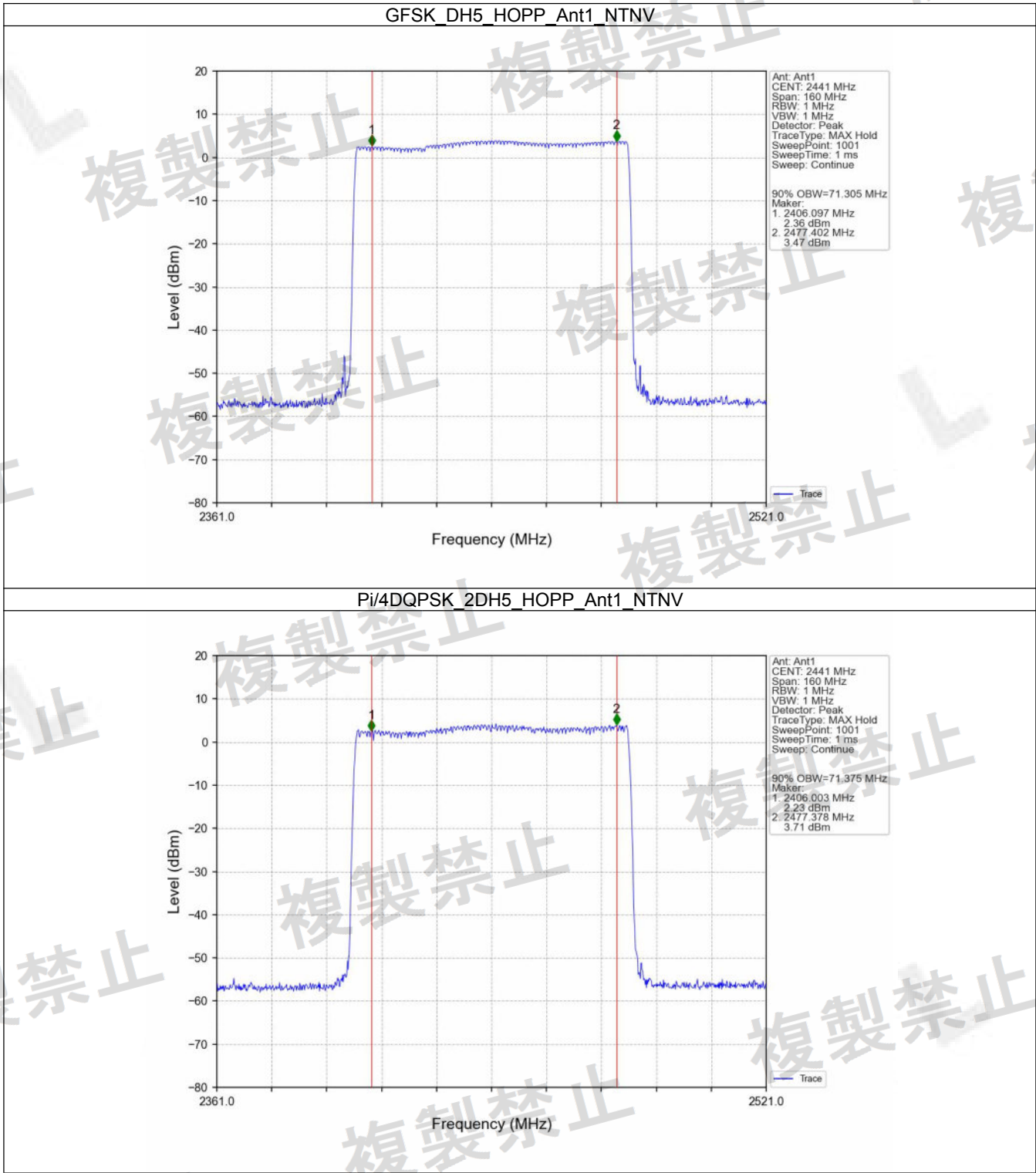
3.1.1 SPBW

ENV	Mode	TX Type	Frequency (MHz)	Packet Type	Spread Bandwidth (MHz)		Verdict
					ANT1	Limit	
NTNV	GFSK	SISO	HOPP	DH5	71.305	/	Only For Report
	Pi/4DQPSK	SISO	HOPP	2DH5	71.375	/	Only For Report
	8DPSK	SISO	HOPP	3DH5	71.099	/	Only For Report
NTLV	GFSK	SISO	HOPP	DH5	71.279	/	Only For Report
	Pi/4DQPSK	SISO	HOPP	2DH5	71.388	/	Only For Report
	8DPSK	SISO	HOPP	3DH5	71.157	/	Only For Report
NTHV	GFSK	SISO	HOPP	DH5	71.271	/	Only For Report
	Pi/4DQPSK	SISO	HOPP	2DH5	71.493	/	Only For Report
	8DPSK	SISO	HOPP	3DH5	71.201	/	Only For Report

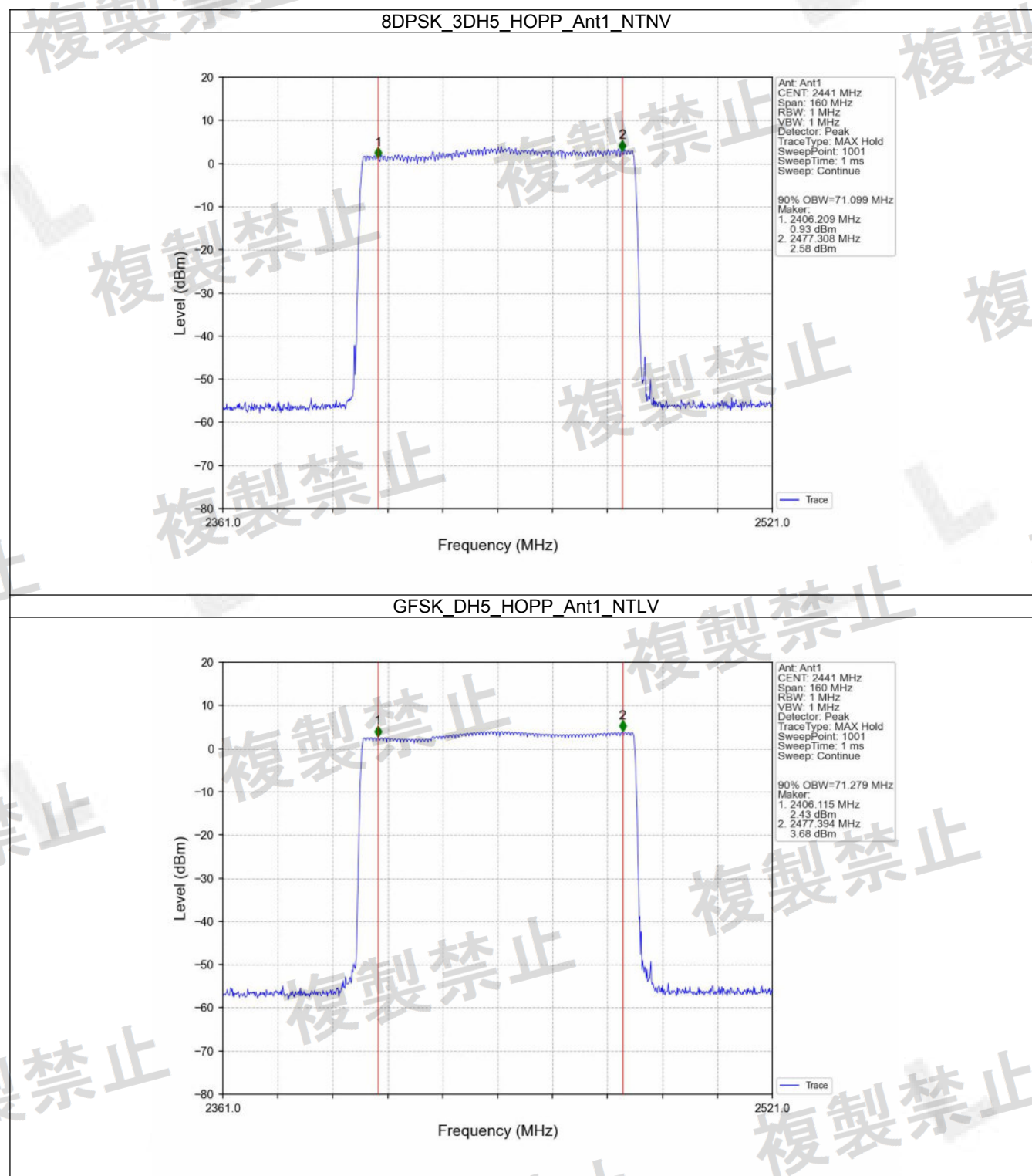
MIC: 219-269023

3.2 Test Graph

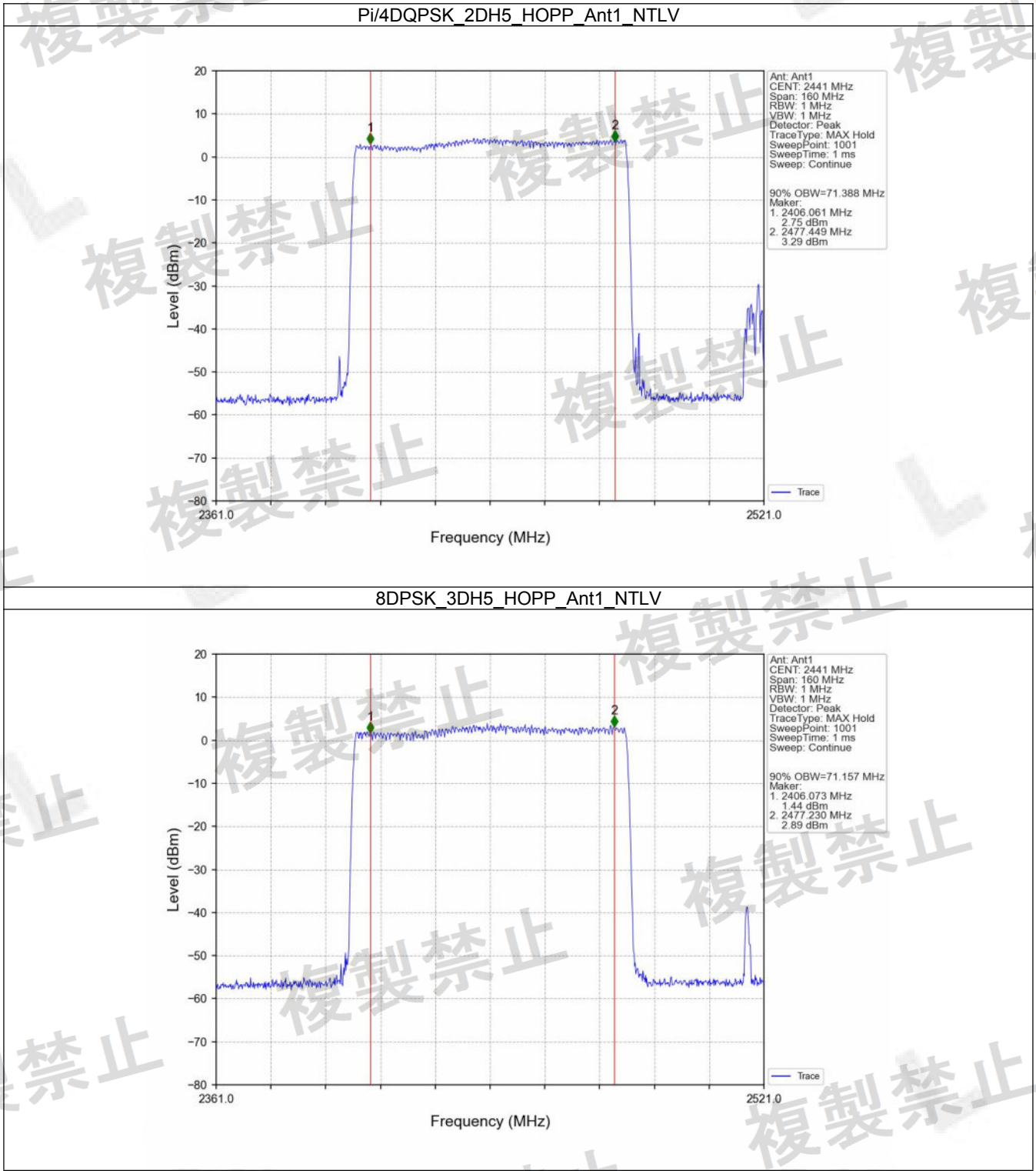
3.2.1 SPBW



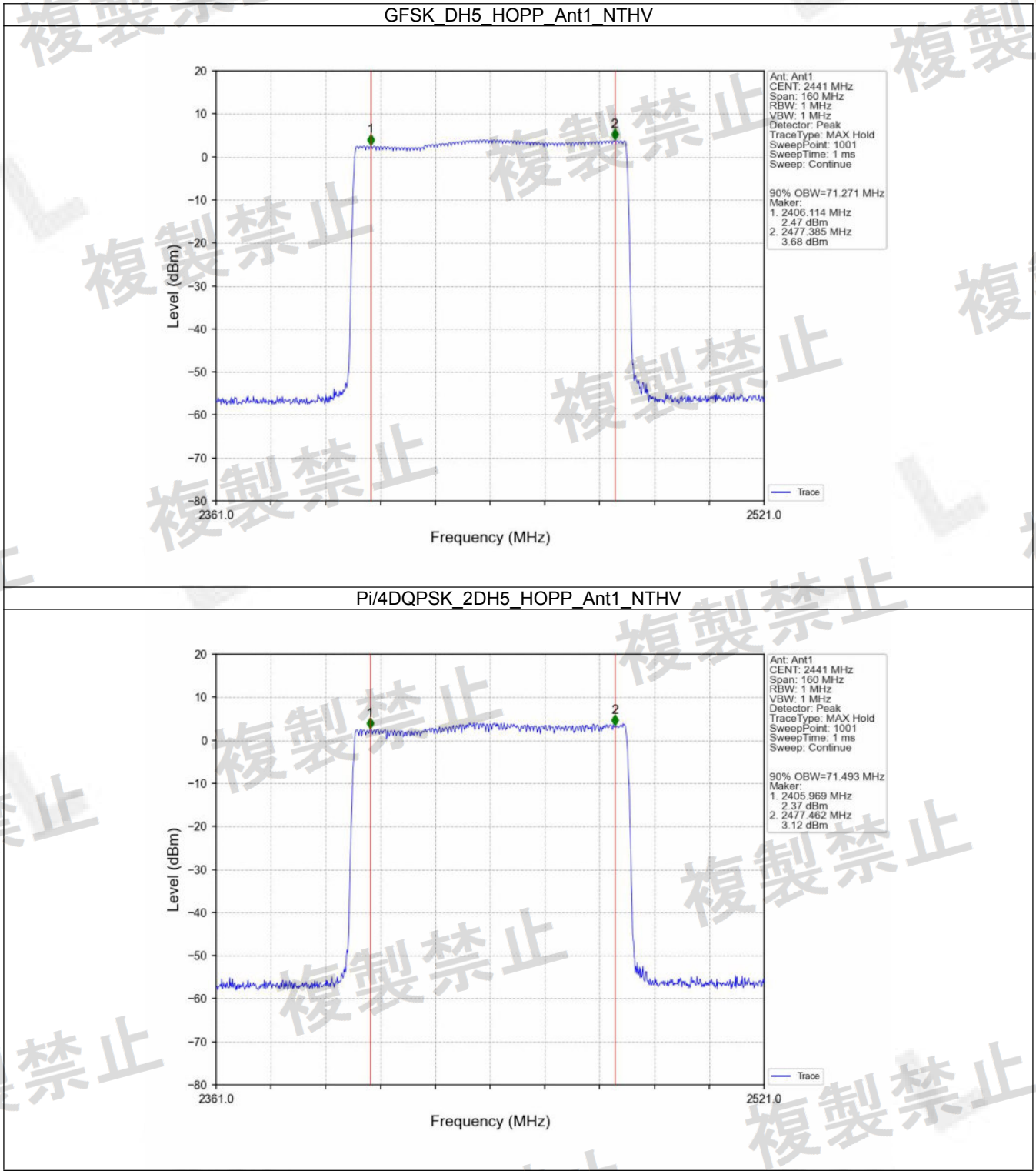
MIC: 219-269023



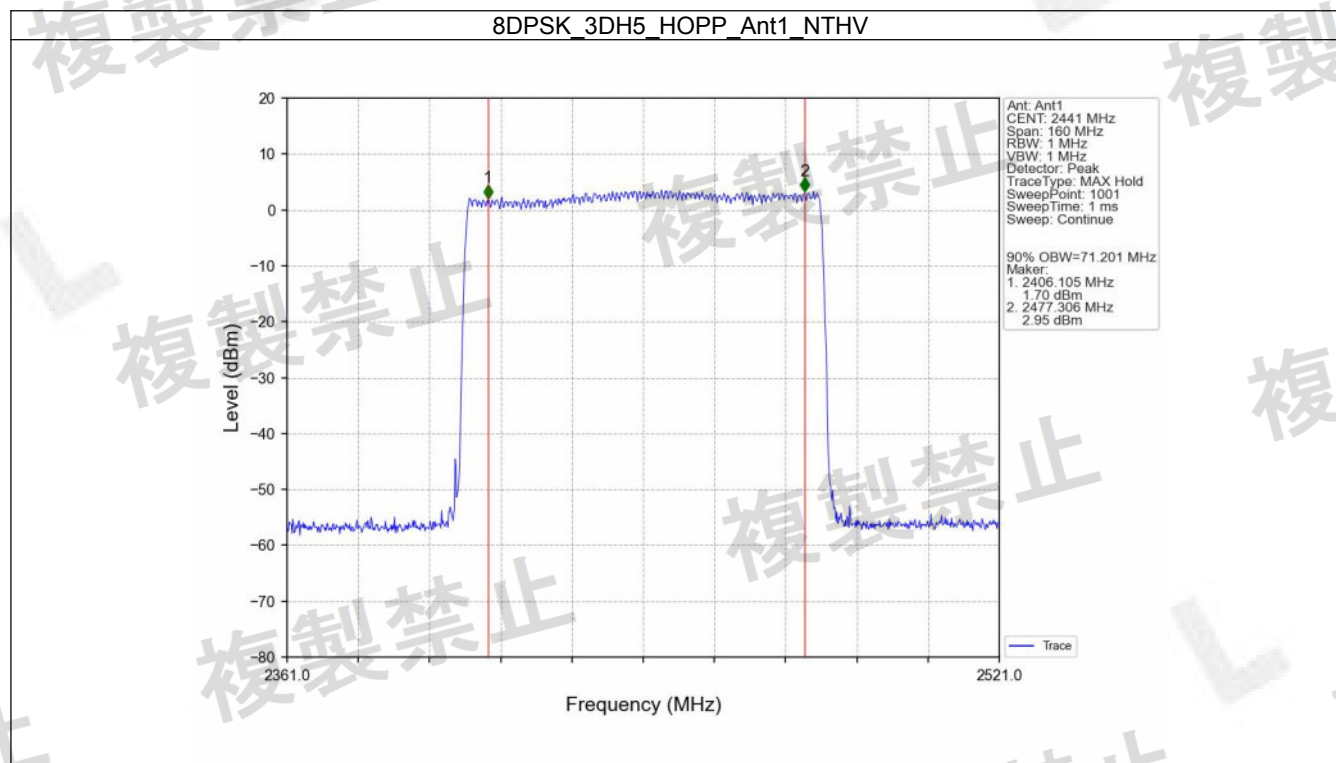
MIC: 219-269023



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4. Antenna Power

4.1 Test Result

4.1.1 Power

ENV	Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Antenna Power (mW/MHz)		Nominal Power (mW/MHz)	Tolerance (%)		Verdict
						Measured	Limit		Measured	Limit	
NTNV	GFSK	SISO	HOPP	DH5	1	0.028	<=3.00	0.028	0.00	<=20	Pass
	Pi/4DQPSK	SISO	HOPP	2DH5	1	0.021	<=3.00	0.021	0.00	<=20	Pass
	8DPSK	SISO	HOPP	3DH5	1	0.012	<=3.00	0.012	0.00	<=20	Pass
NTLV	GFSK	SISO	HOPP	DH5	1	0.024	<=3.00	0.028	-14.29	<=20	Pass
	Pi/4DQPSK	SISO	HOPP	2DH5	1	0.021	<=3.00	0.021	0.00	<=20	Pass
	8DPSK	SISO	HOPP	3DH5	1	0.014	<=3.00	0.012	16.67	<=20	Pass
NTHV	GFSK	SISO	HOPP	DH5	1	0.023	<=3.00	0.028	-17.86	<=20	Pass
	Pi/4DQPSK	SISO	HOPP	2DH5	1	0.020	<=3.00	0.021	-4.76	<=20	Pass
	8DPSK	SISO	HOPP	3DH5	1	0.013	<=3.00	0.012	8.33	<=20	Pass

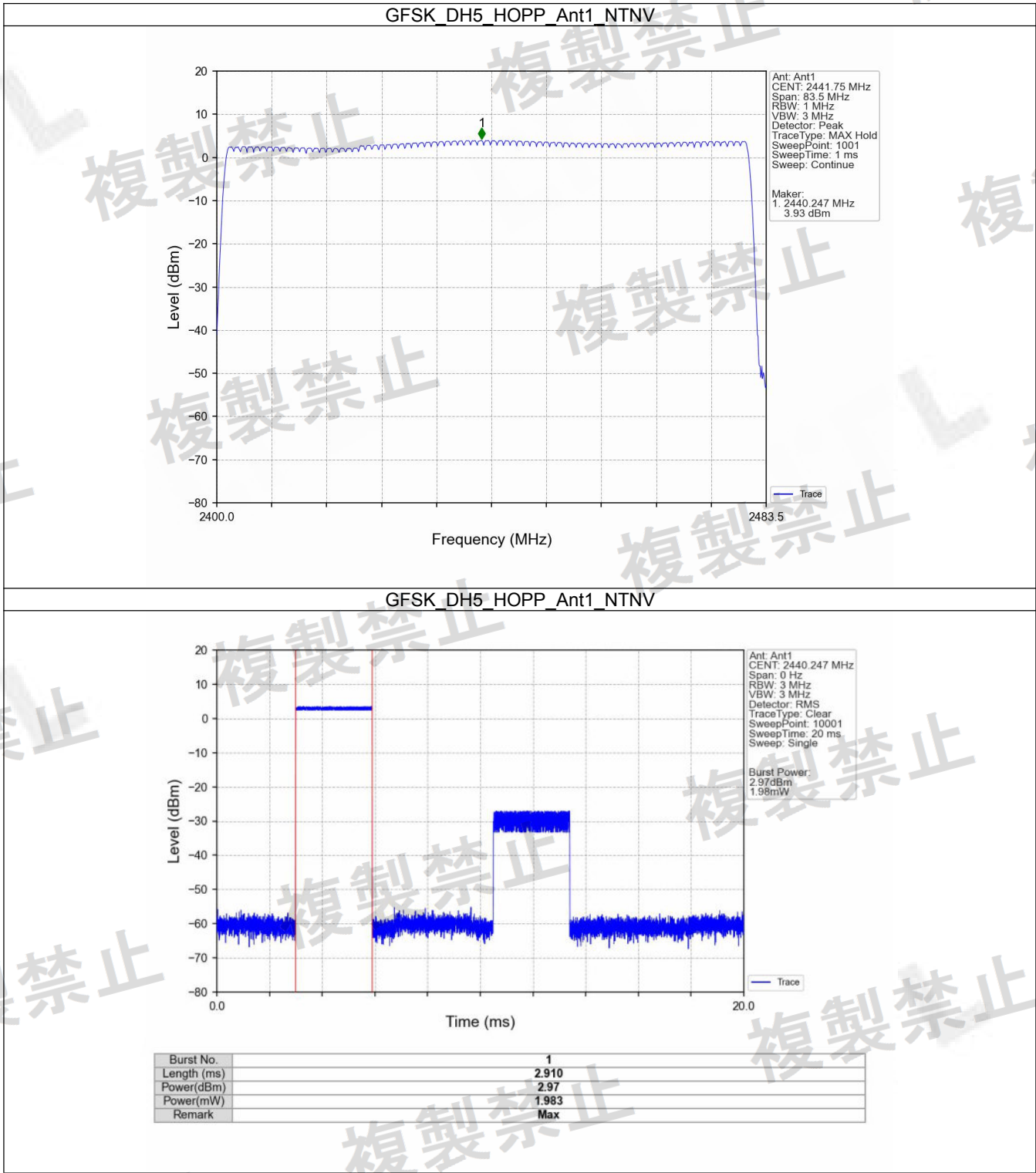
4.1.2 EIRP

ENV	Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Gain (dBi)	EIRP (dBm/MHz)		Verdict
							Result	Limit	
NTNV	GFSK	SISO	HOPP	DH5	1	2.70	-12.86	<=6.91	Pass
	Pi/4DQPSK	SISO	HOPP	2DH5	1	2.70	-14.12	<=6.91	Pass
	8DPSK	SISO	HOPP	3DH5	1	2.70	-16.41	<=6.91	Pass
NTLV	GFSK	SISO	HOPP	DH5	1	2.70	-13.53	<=6.91	Pass
	Pi/4DQPSK	SISO	HOPP	2DH5	1	2.70	-14.08	<=6.91	Pass
	8DPSK	SISO	HOPP	3DH5	1	2.70	-15.90	<=6.91	Pass
NTHV	GFSK	SISO	HOPP	DH5	1	2.70	-13.63	<=6.91	Pass
	Pi/4DQPSK	SISO	HOPP	2DH5	1	2.70	-14.29	<=6.91	Pass
	8DPSK	SISO	HOPP	3DH5	1	2.70	-16.24	<=6.91	Pass

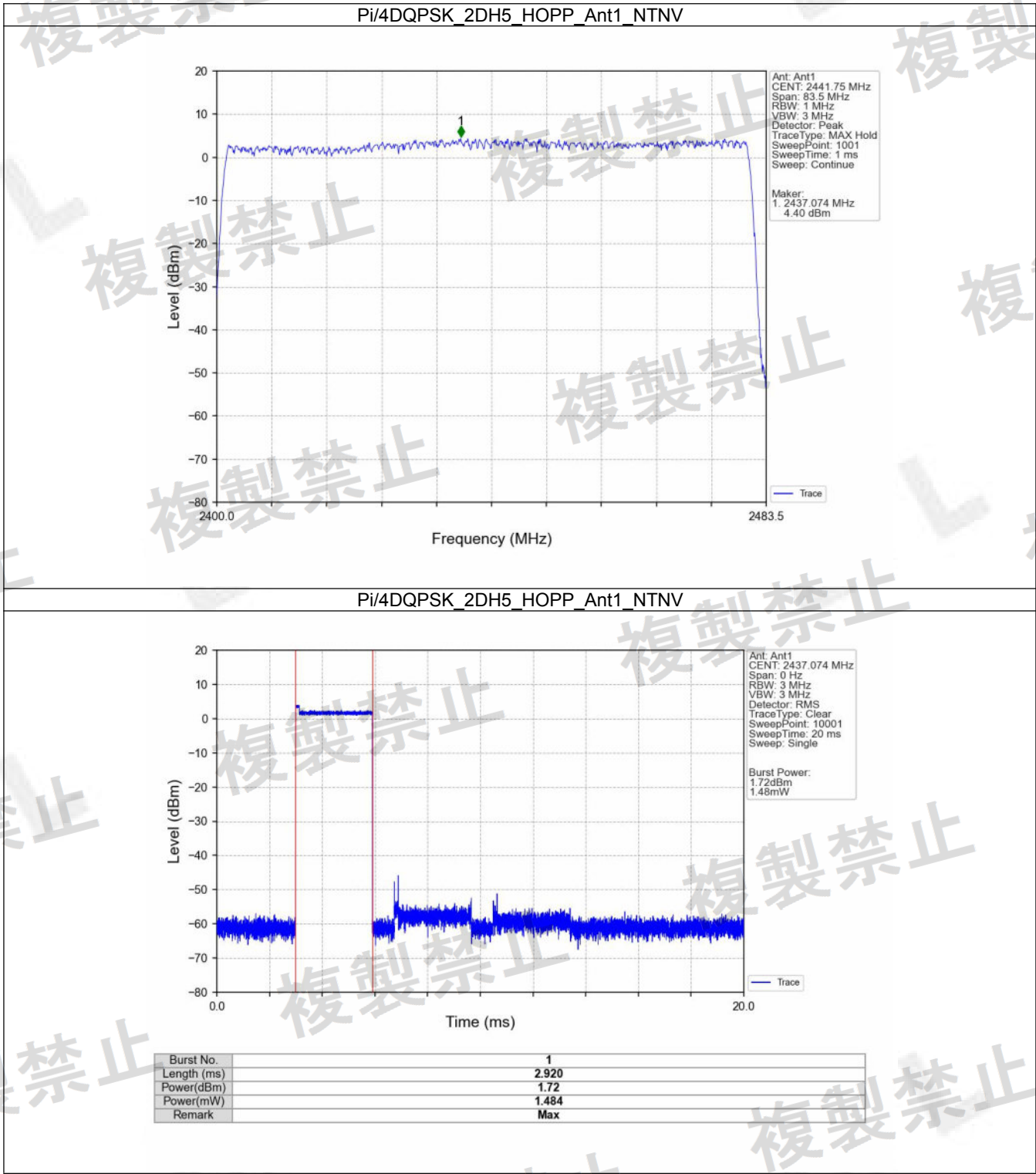
MIC: 219-269023

4.2 Test Graph

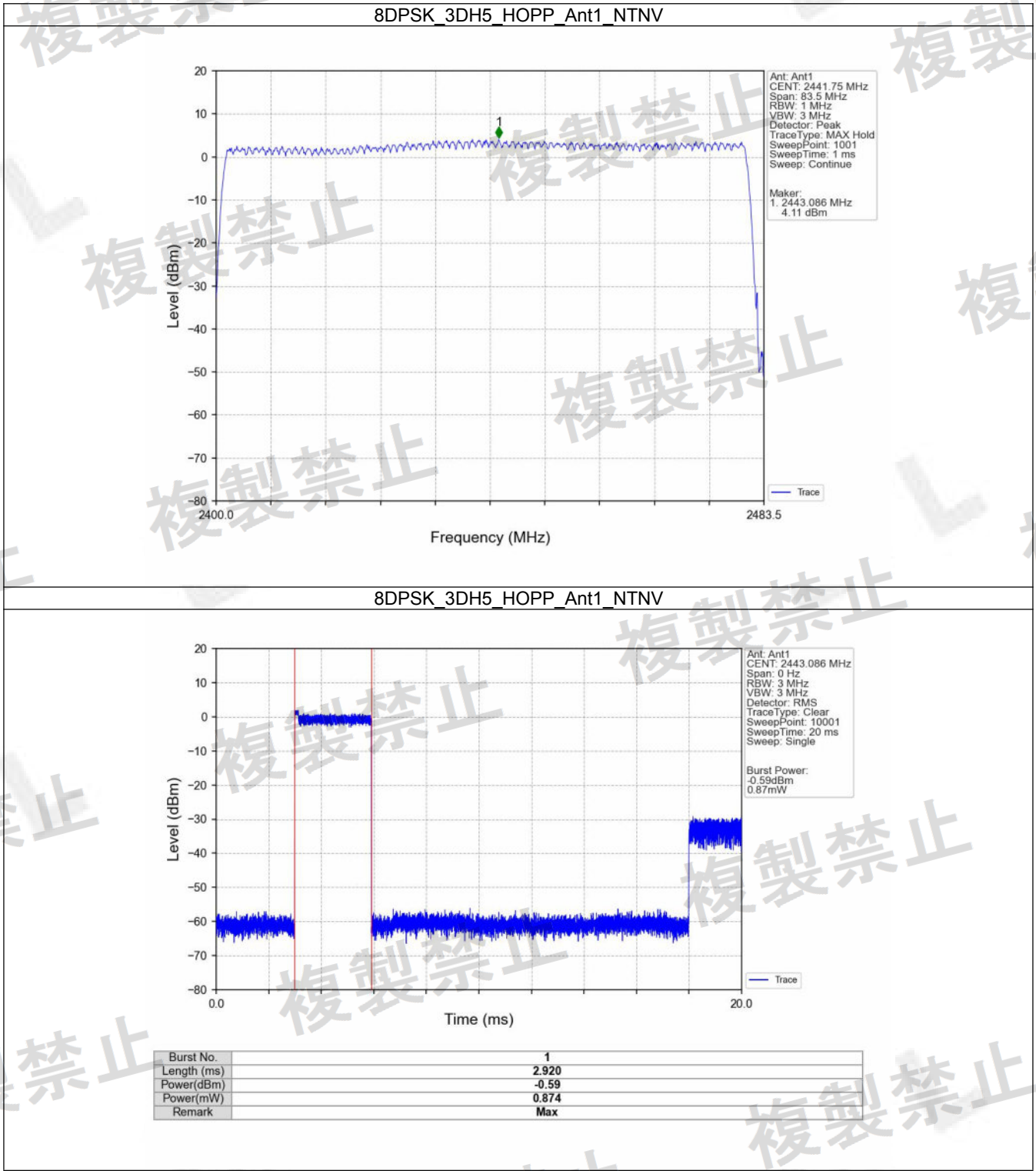
4.2.1 Power



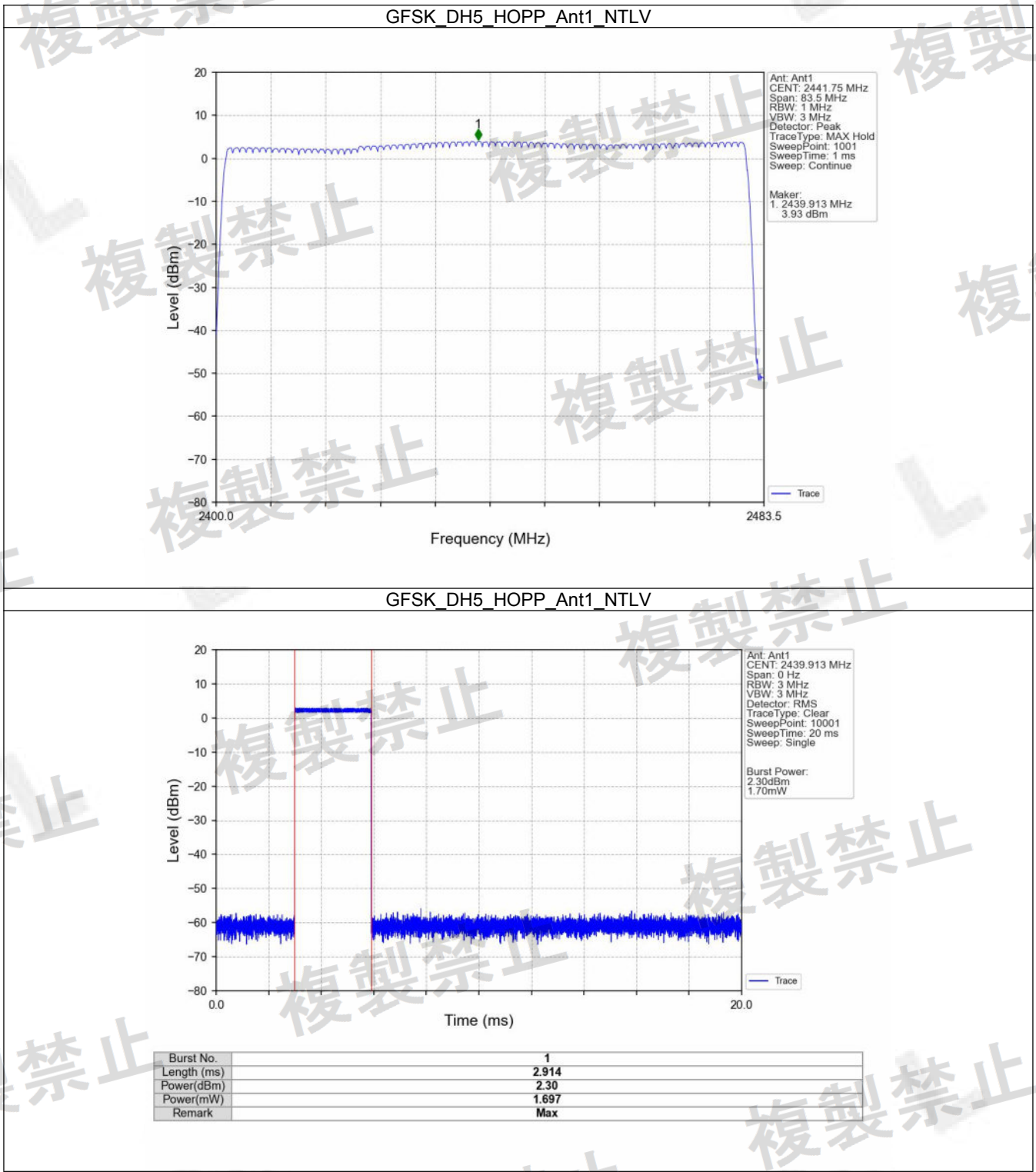
MIC: 219-269023



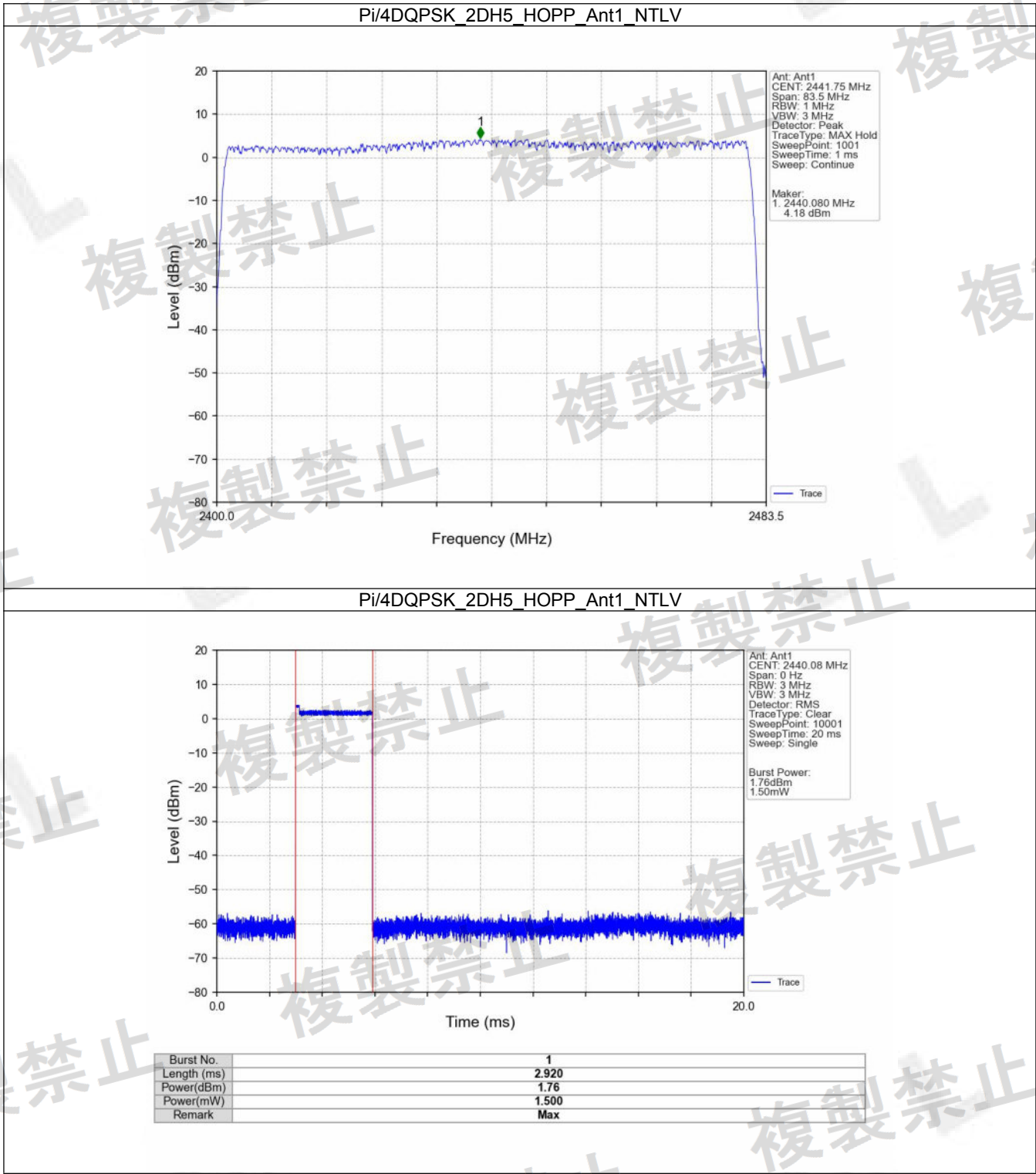
MIC: 219-269023



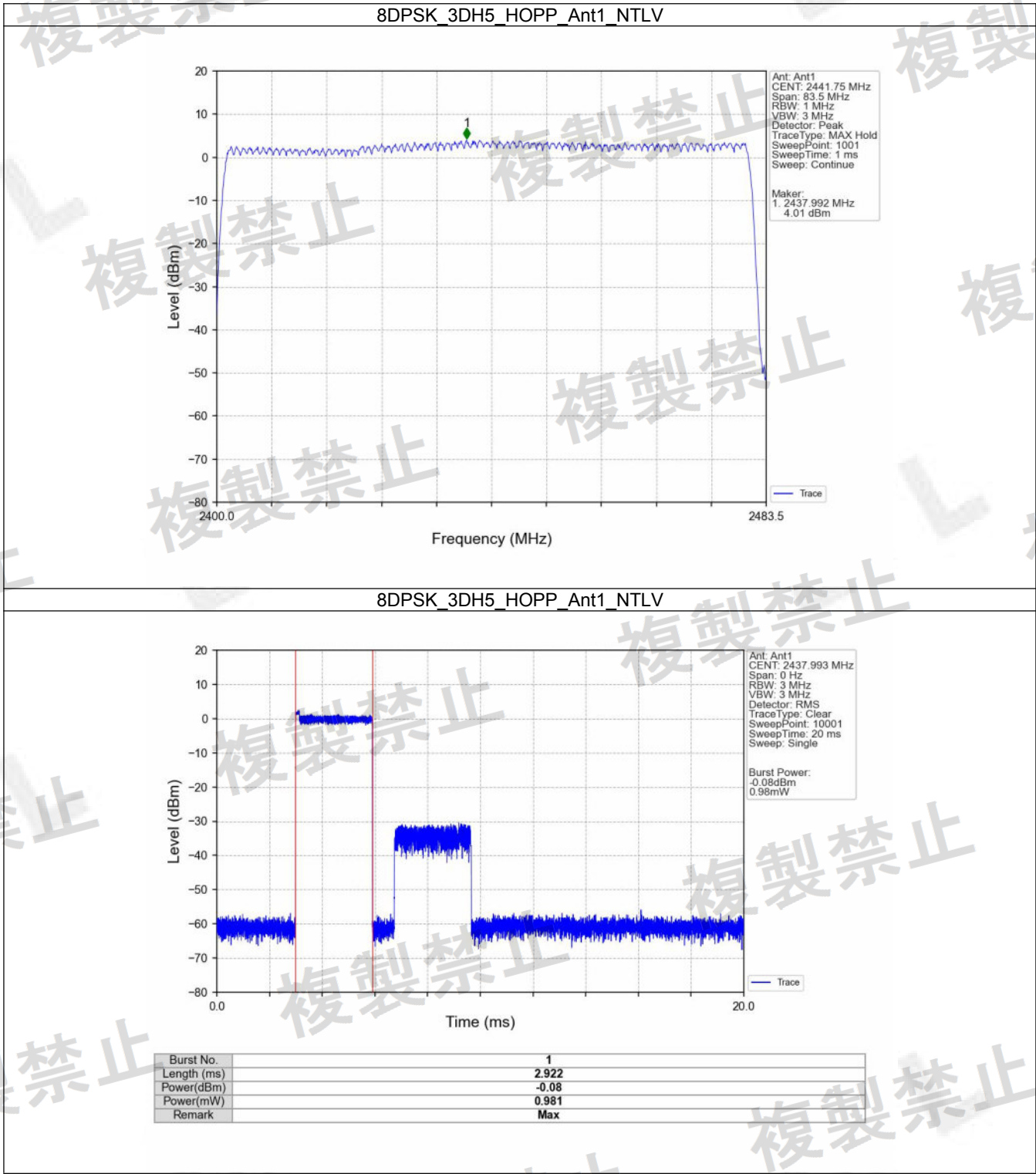
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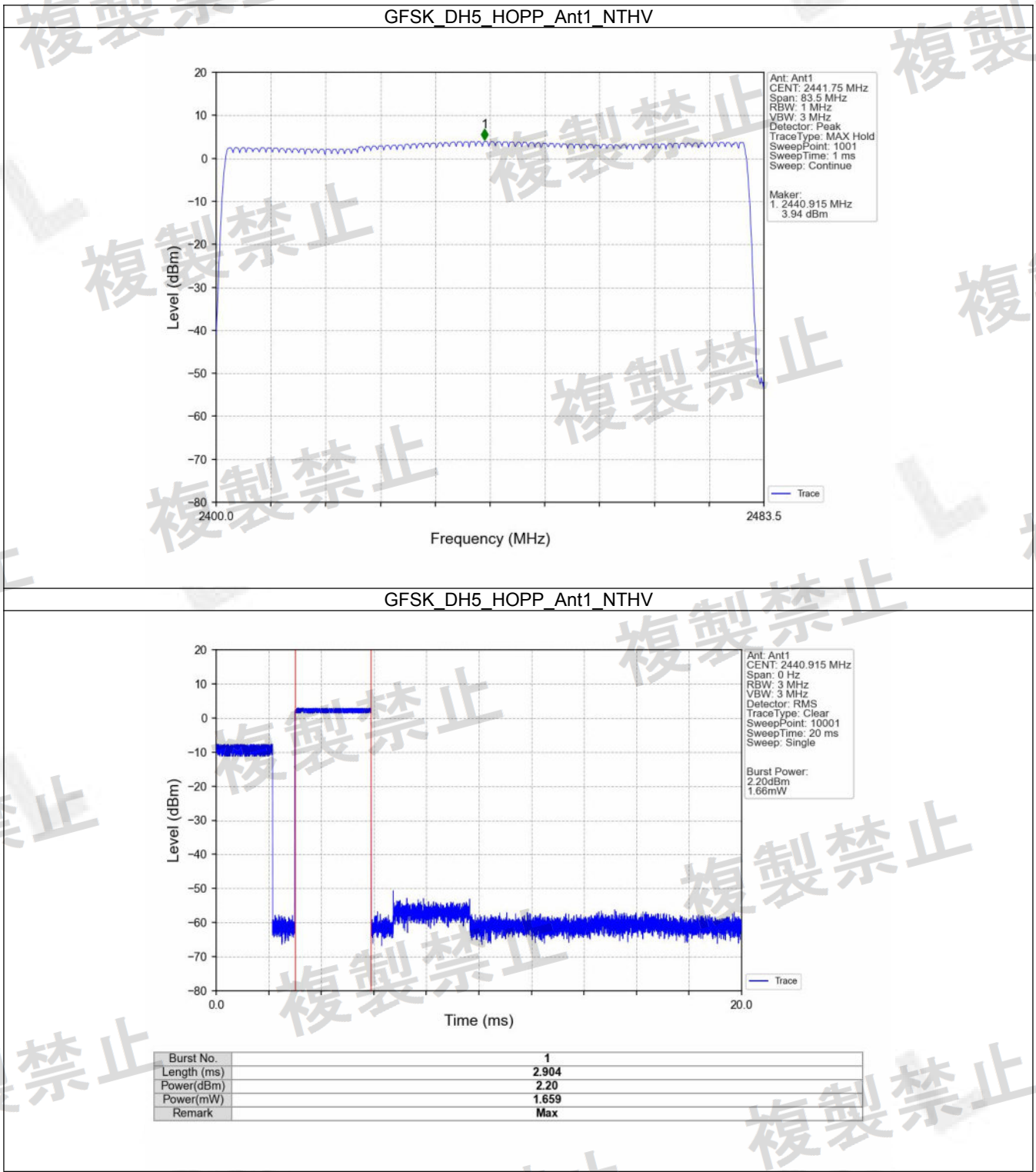
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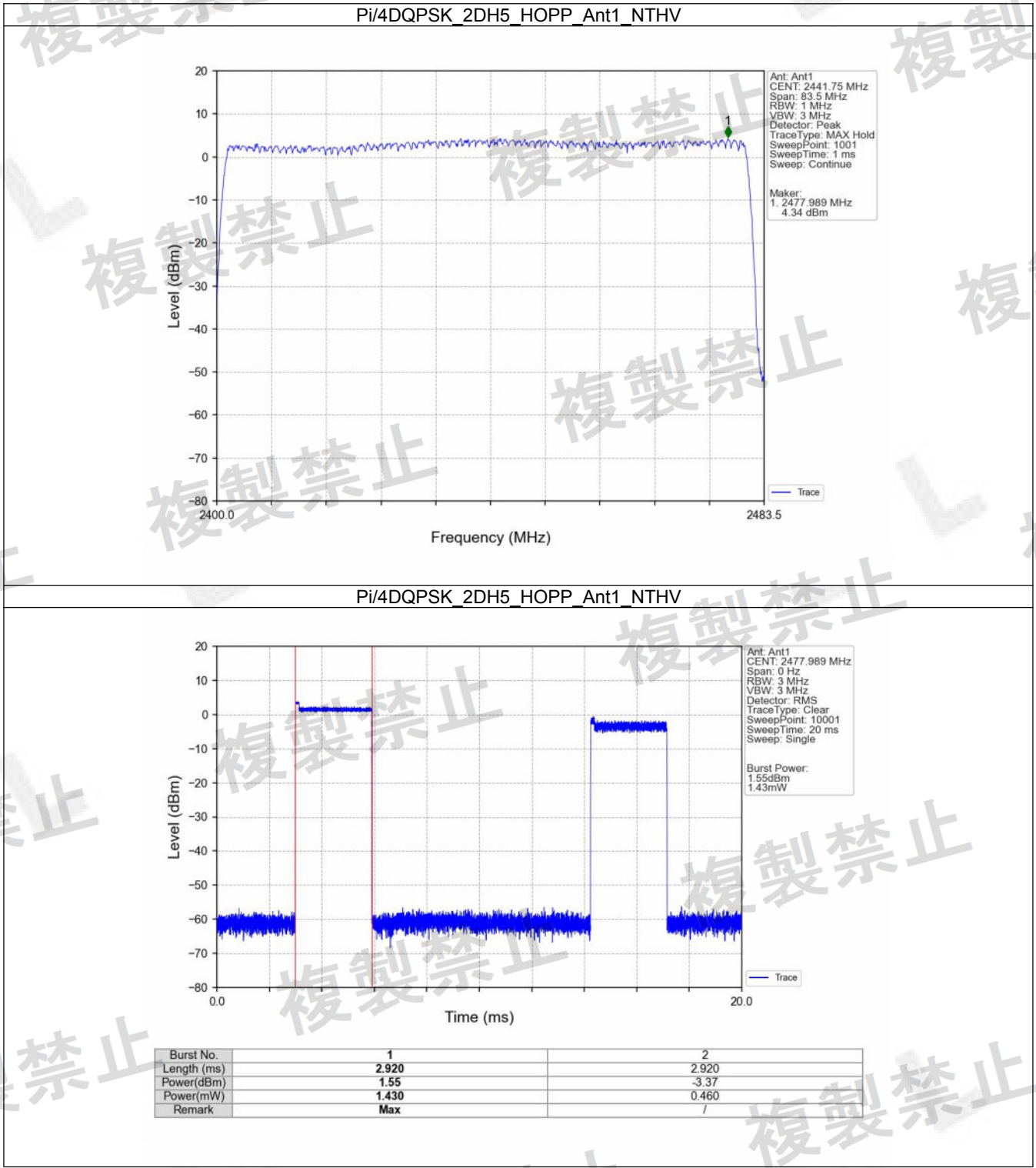
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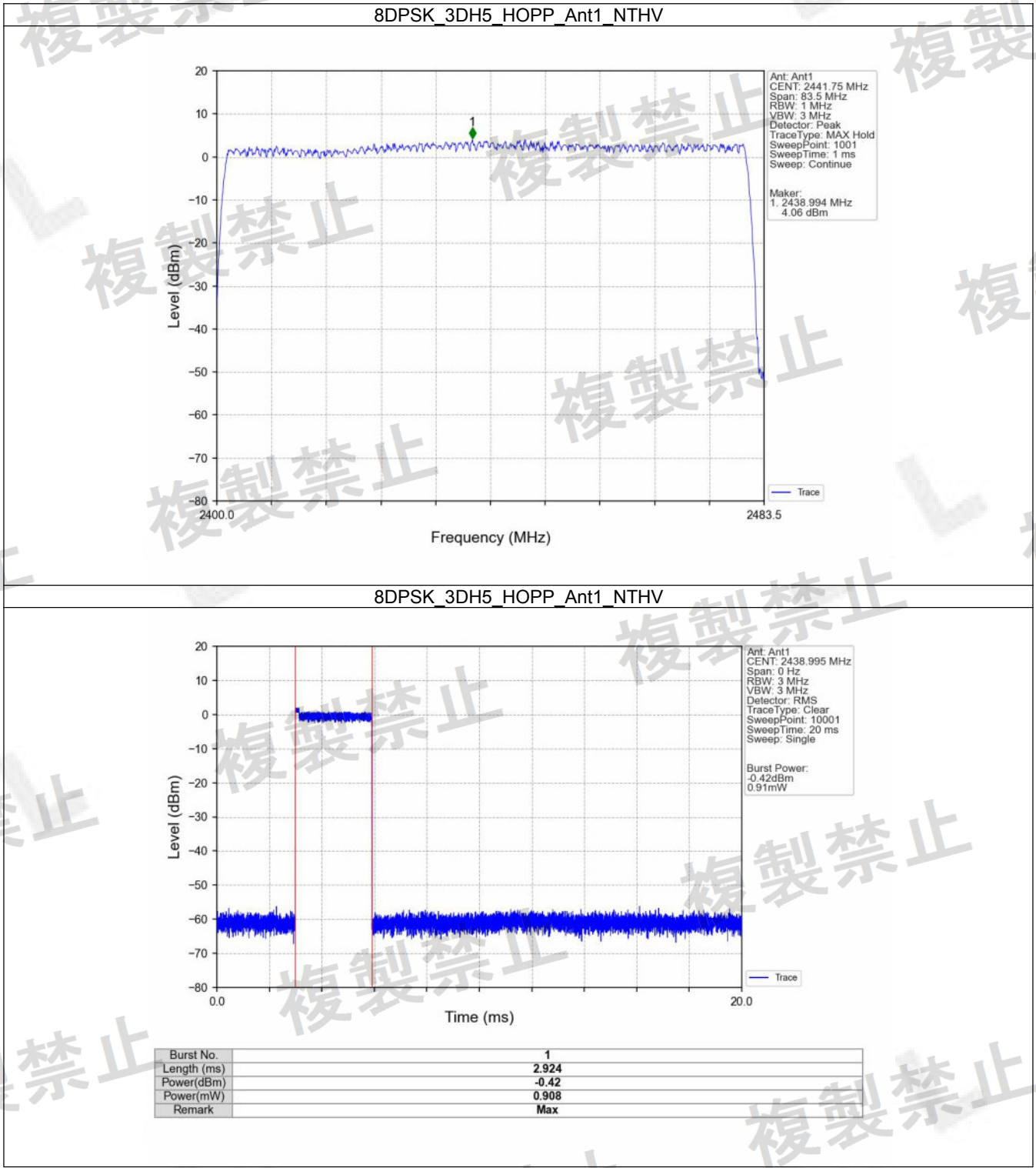
MIC: 219-269023



MIC: 219-269023



MIC: 219-269023



MIC: 219-269023

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	71.305	0.407	1.250	79	117.554	<=400	Pass
				DH3	71.305	1.663	2.500	79	240.162	<=400	Pass
				DH5	71.305	2.912	3.750	79	280.358	<=400	Pass
			2480	DH1	71.305	2.911	3.750	79	280.262	<=400	Pass
				DH3	71.305	1.662	2.500	79	240.018	<=400	Pass
				DH5	71.305	2.911	3.750	79	280.262	<=400	Pass
	Pi/4DQPSK	SISO	2402	2DH1	71.375	0.417	1.250	79	120.561	<=400	Pass
				2DH3	71.375	1.668	2.500	79	241.121	<=400	Pass
				2DH5	71.375	2.917	3.750	79	281.115	<=400	Pass
			2480	2DH1	71.375	0.416	1.250	79	120.271	<=400	Pass
				2DH3	71.375	1.668	2.500	79	241.121	<=400	Pass
				2DH5	71.375	2.916	3.750	79	281.019	<=400	Pass
	8DPSK	SISO	2402	3DH1	71.099	0.418	1.250	79	120.382	<=400	Pass
				3DH3	71.099	1.668	2.500	79	240.189	<=400	Pass
				3DH5	71.099	2.920	3.750	79	280.316	<=400	Pass
			2480	3DH1	71.099	0.418	1.250	79	120.382	<=400	Pass
				3DH3	71.099	1.668	2.500	79	240.189	<=400	Pass
				3DH5	71.099	2.920	3.750	79	280.316	<=400	Pass
NTLV	GFSK	SISO	2402	DH1	71.279	0.408	1.250	79	117.800	<=400	Pass
				DH3	71.279	1.663	2.500	79	240.075	<=400	Pass
				DH5	71.279	2.911	3.750	79	280.160	<=400	Pass
			2480	DH1	71.279	2.911	3.750	79	280.160	<=400	Pass
				DH3	71.279	1.662	2.500	79	239.931	<=400	Pass
				DH5	71.279	2.911	3.750	79	280.160	<=400	Pass
	Pi/4DQPSK	SISO	2402	2DH1	71.388	0.418	1.250	79	120.872	<=400	Pass
				2DH3	71.388	1.668	2.500	79	241.165	<=400	Pass
				2DH5	71.388	2.917	3.750	79	281.166	<=400	Pass
			2480	2DH1	71.388	0.417	1.250	79	120.582	<=400	Pass
				2DH3	71.388	1.668	2.500	79	241.165	<=400	Pass
				2DH5	71.388	2.917	3.750	79	281.166	<=400	Pass
	8DPSK	SISO	2402	3DH1	71.157	0.418	1.250	79	120.481	<=400	Pass
				3DH3	71.157	1.669	2.500	79	240.529	<=400	Pass
				3DH5	71.157	2.919	3.750	79	280.449	<=400	Pass
			2480	3DH1	71.157	0.418	1.250	79	120.481	<=400	Pass
				3DH3	71.157	1.668	2.500	79	240.385	<=400	Pass
				3DH5	71.157	2.920	3.750	79	280.545	<=400	Pass
NTHV	GFSK	SISO	2402	DH1	71.271	0.407	1.250	79	117.498	<=400	Pass
				DH3	71.271	1.663	2.500	79	240.048	<=400	Pass
				DH5	71.271	2.911	3.750	79	280.128	<=400	Pass
			2480	DH1	71.271	2.911	3.750	79	280.128	<=400	Pass
				DH3	71.271	1.663	2.500	79	240.048	<=400	Pass
				DH5	71.271	2.911	3.750	79	280.128	<=400	Pass
	Pi/4DQPSK	SISO	2402	2DH1	71.493	0.418	1.250	79	121.049	<=400	Pass
				2DH3	71.493	1.668	2.500	79	241.520	<=400	Pass
			2480	2DH5	71.493	2.917	3.750	79	281.580	<=400	Pass
				2DH1	71.493	0.417	1.250	79	120.760	<=400	Pass
				2DH3	71.493	1.668	2.500	79	241.520	<=400	Pass

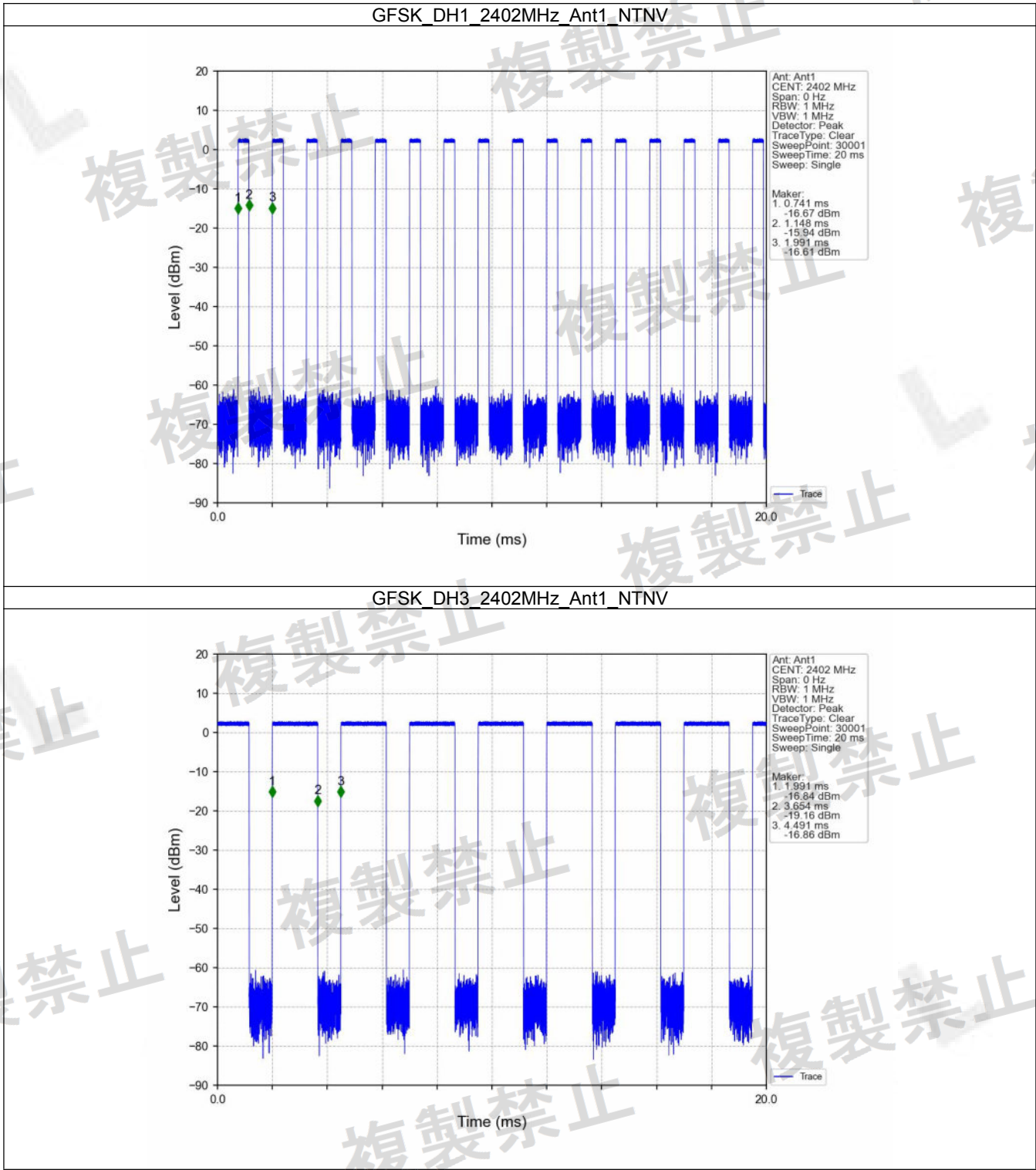
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	8DPSK	SISO	2402	2DH5	71.493	2.917	3.750	79	281.580	<=400	Pass
				3DH1	71.201	0.419	1.250	79	120.843	<=400	Pass
				3DH3	71.201	1.669	2.500	79	240.677	<=400	Pass
				3DH5	71.201	2.920	3.750	79	280.718	<=400	Pass
			2480	3DH1	71.201	0.418	1.250	79	120.555	<=400	Pass
				3DH3	71.201	1.668	2.500	79	240.533	<=400	Pass
				3DH5	71.201	2.920	3.750	79	280.718	<=400	Pass

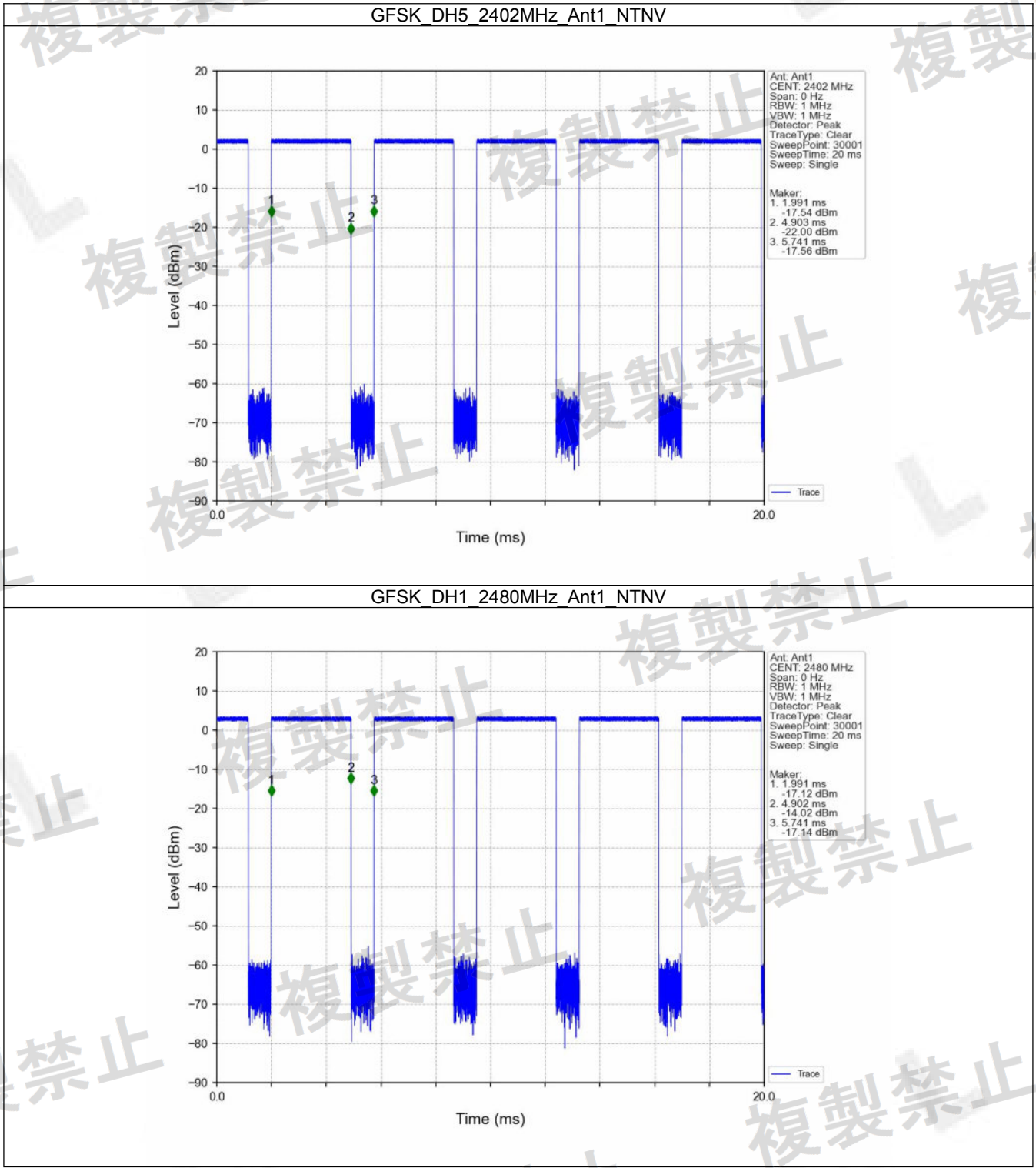
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5.2 Test Graph

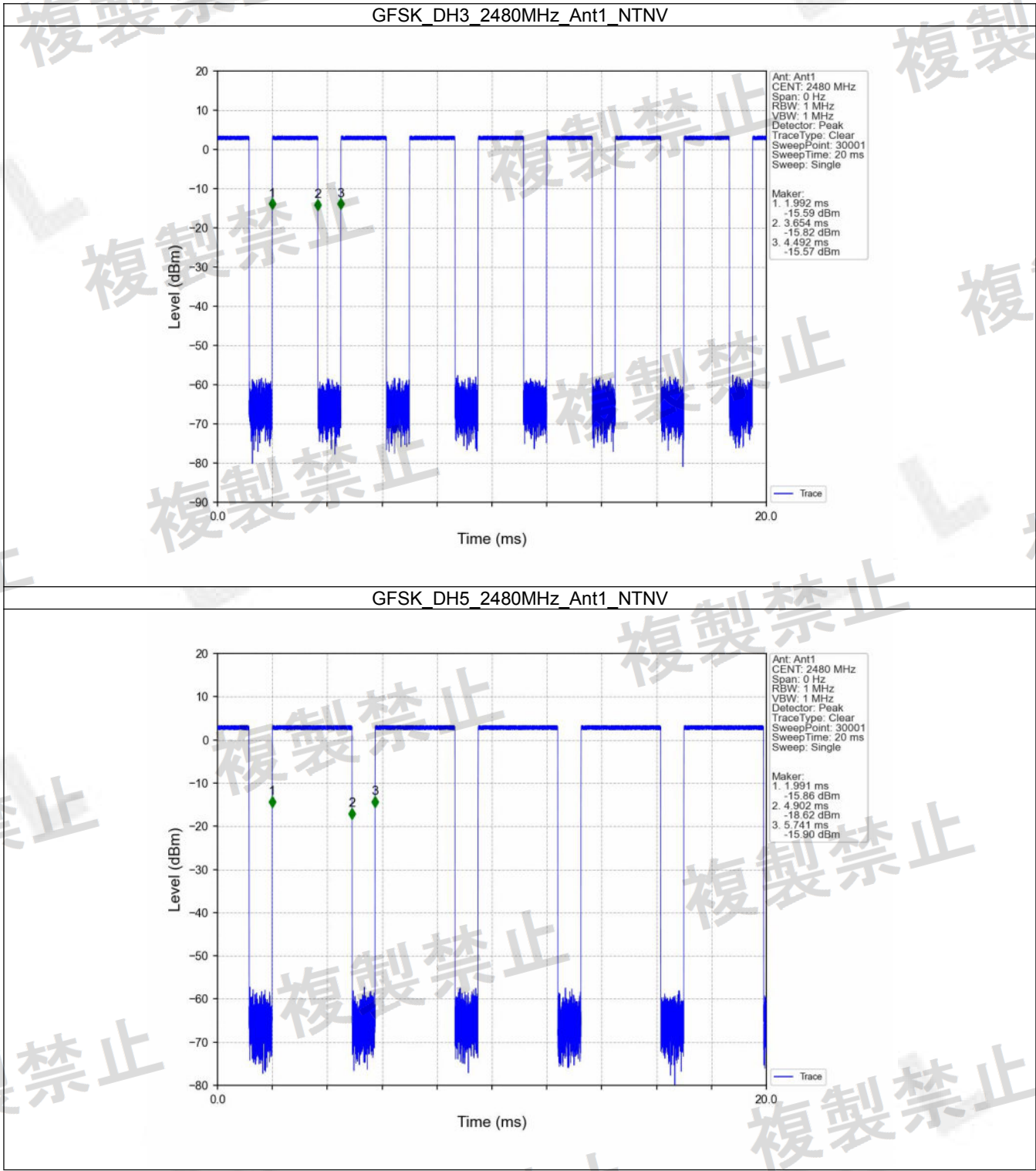
5.2.1 Ant1



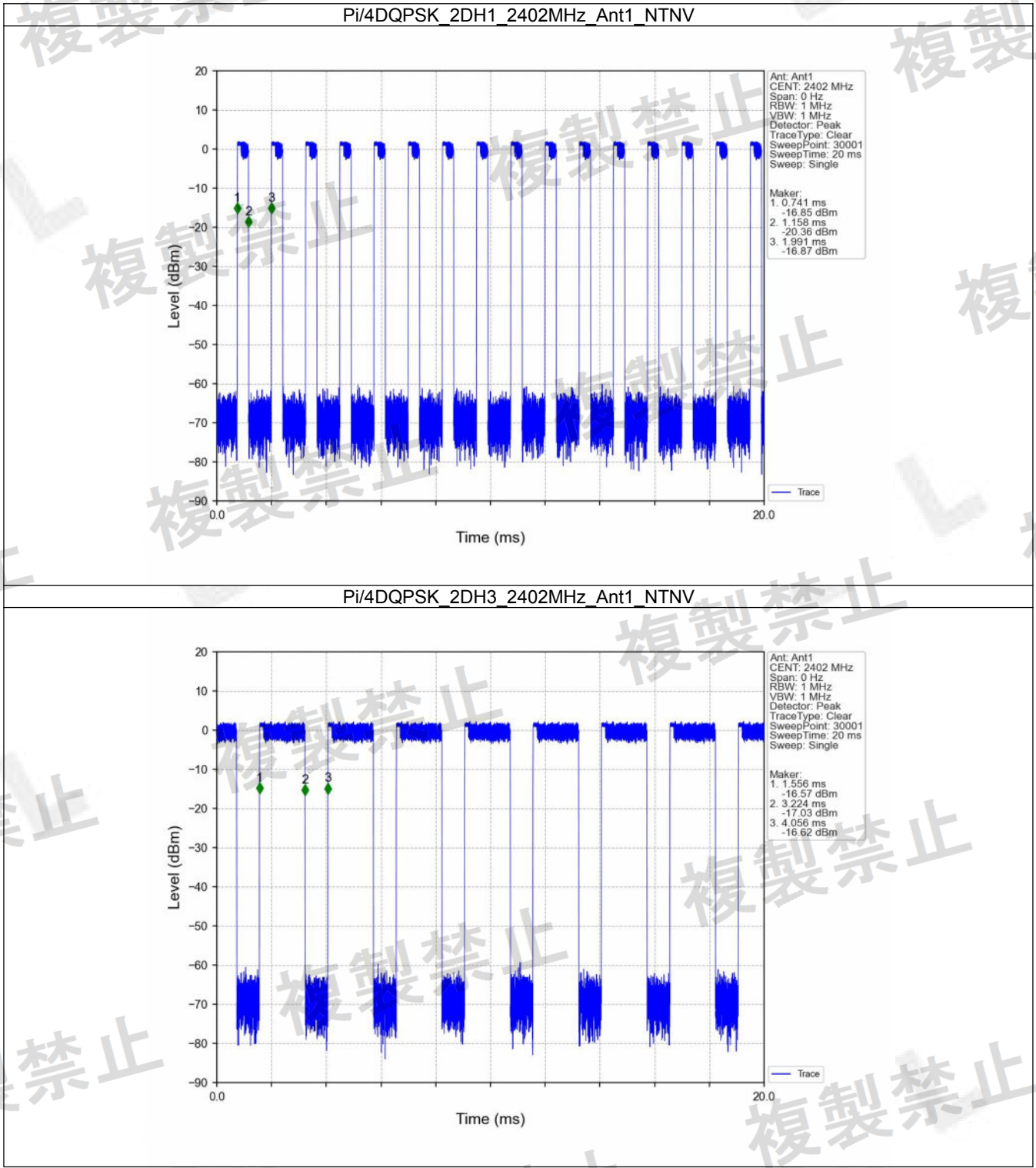
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MIC: 219-269023

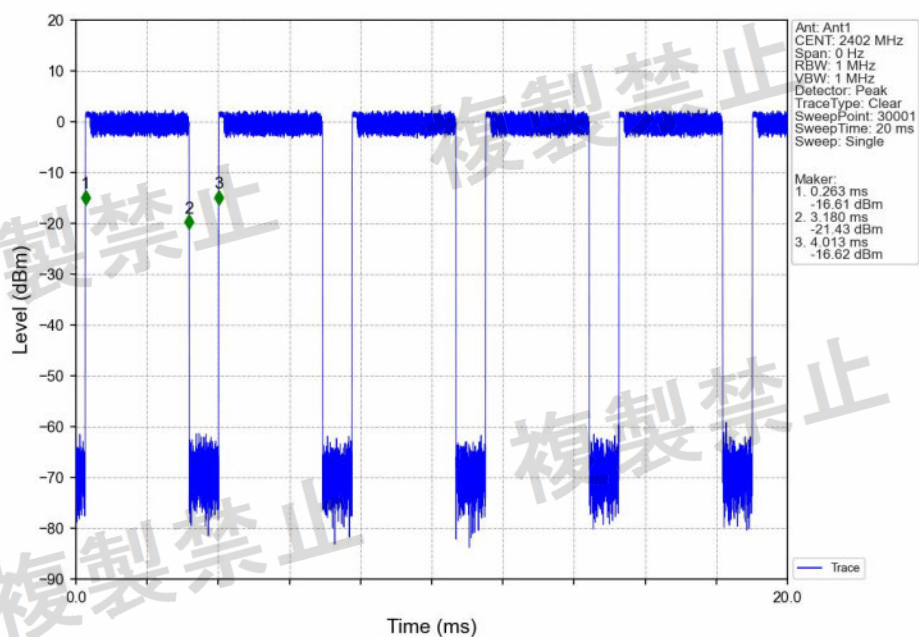


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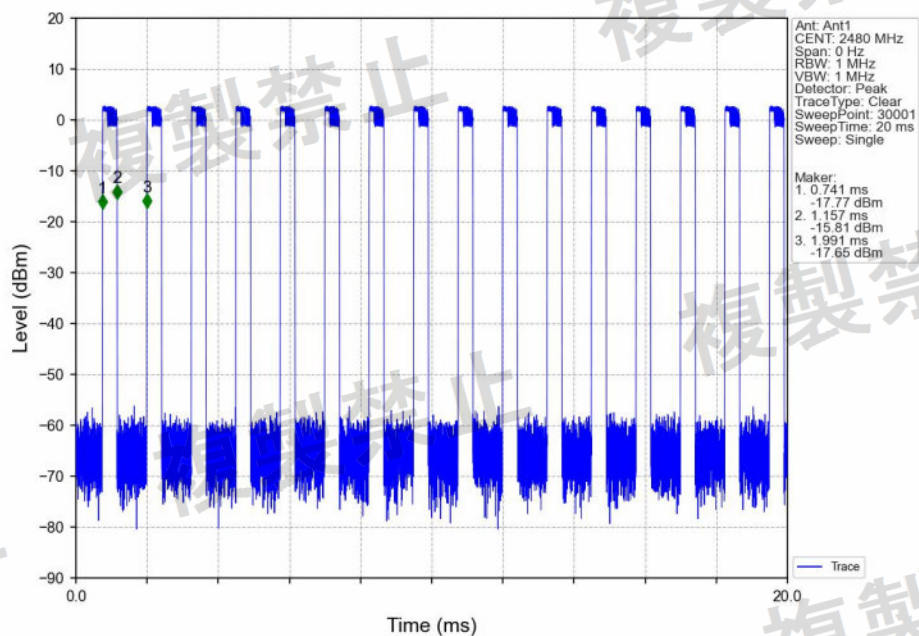


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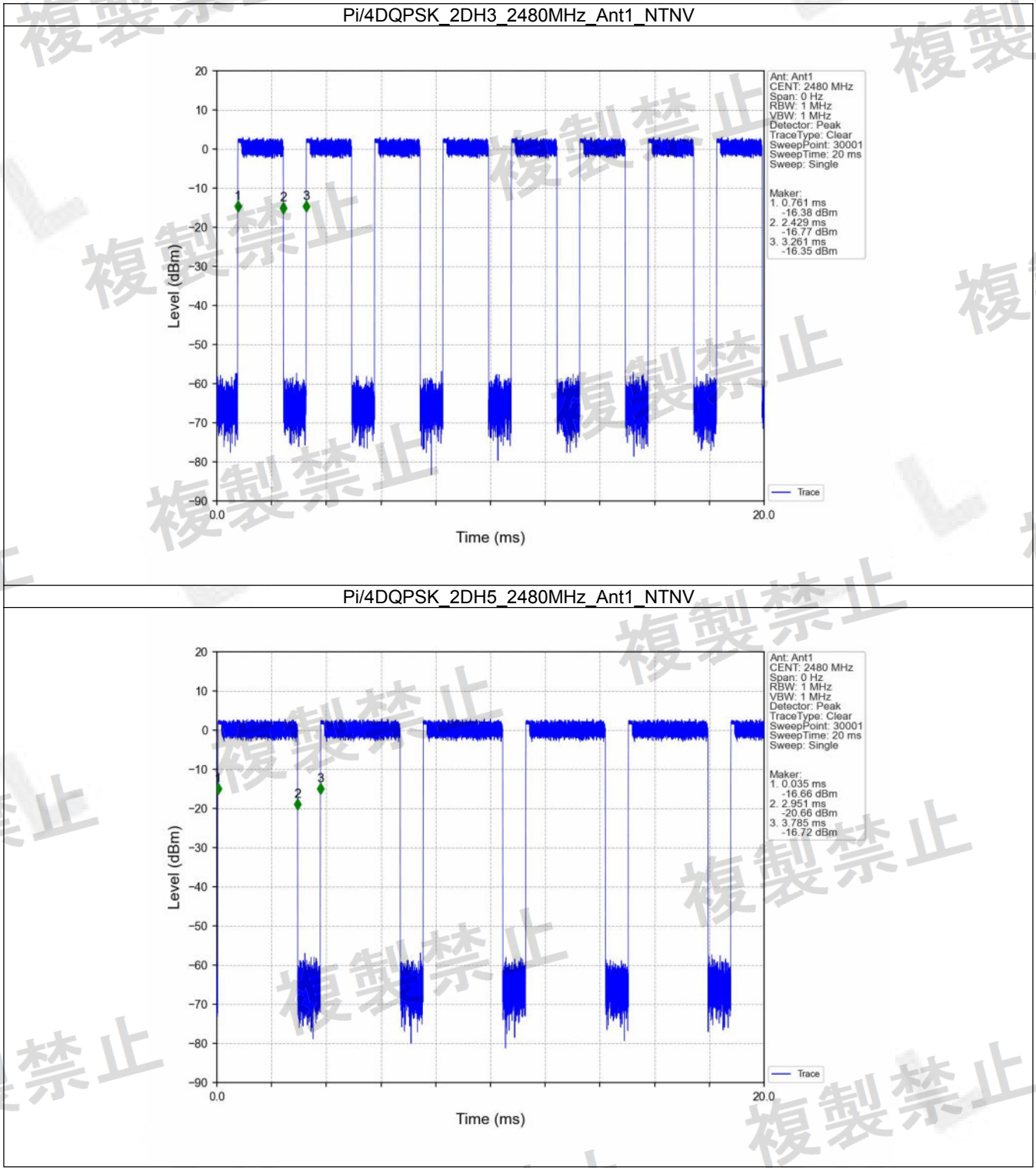
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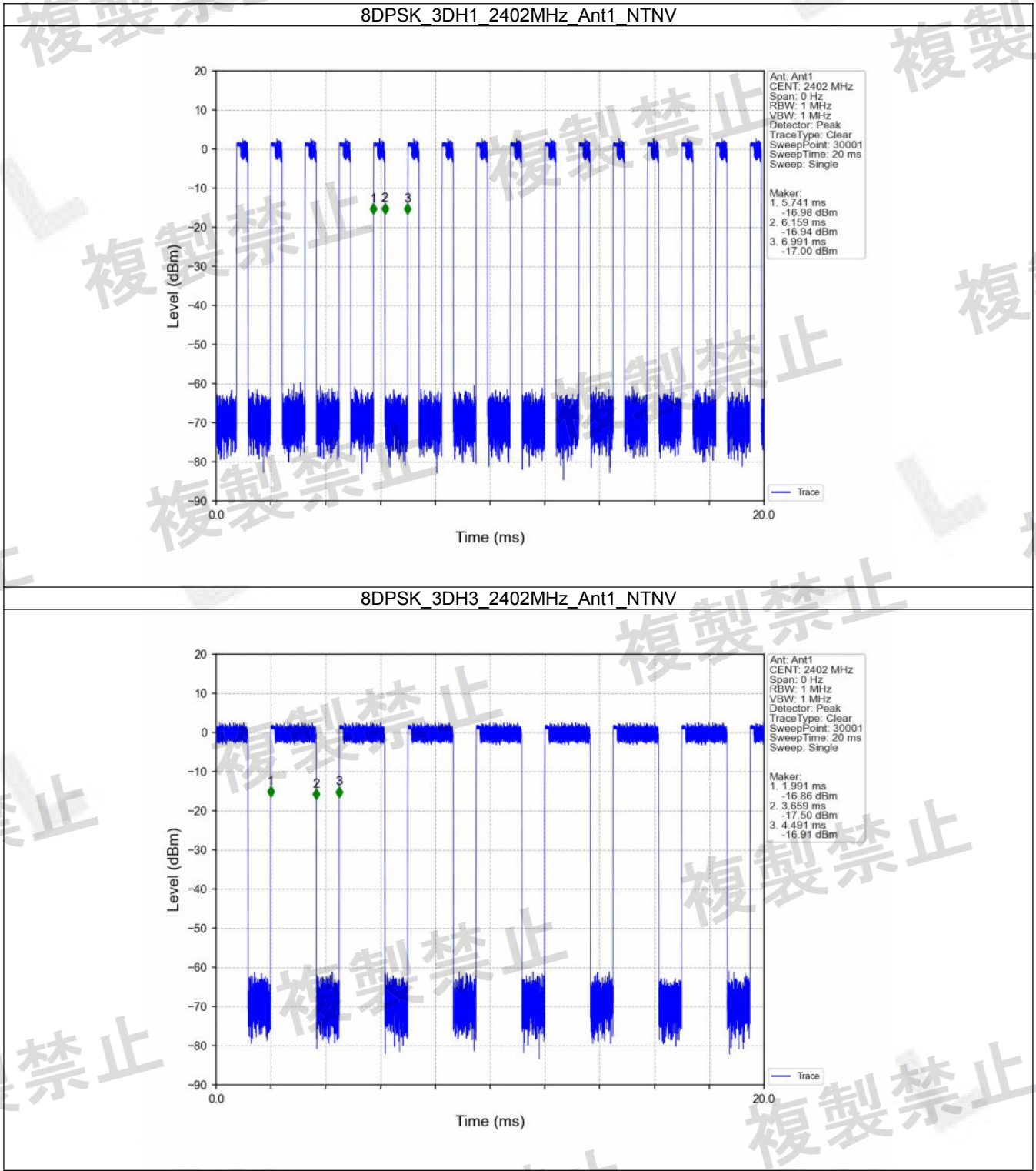
Pi/4DQPSK_2DH1_2480MHz_Ant1_NTNV



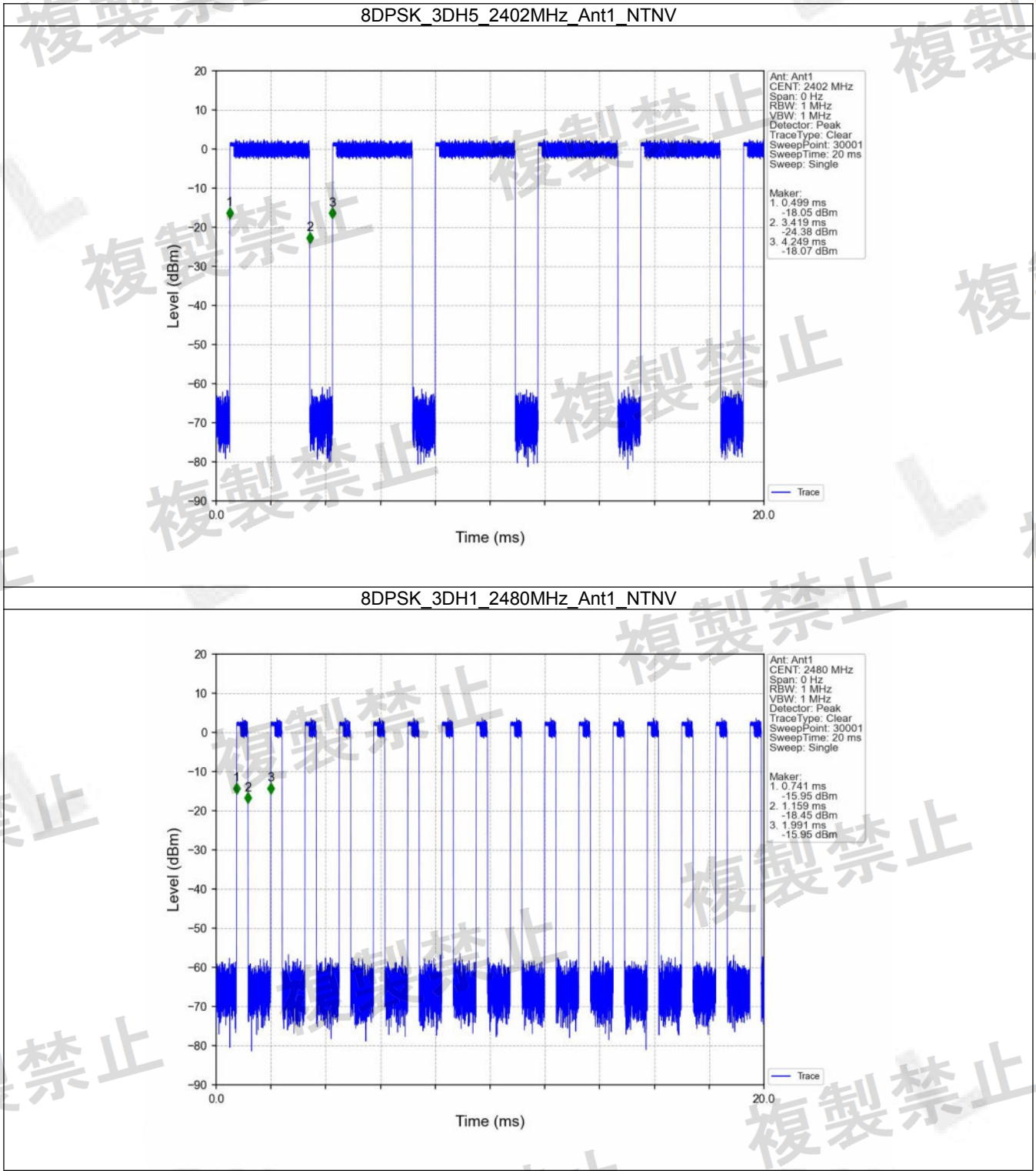
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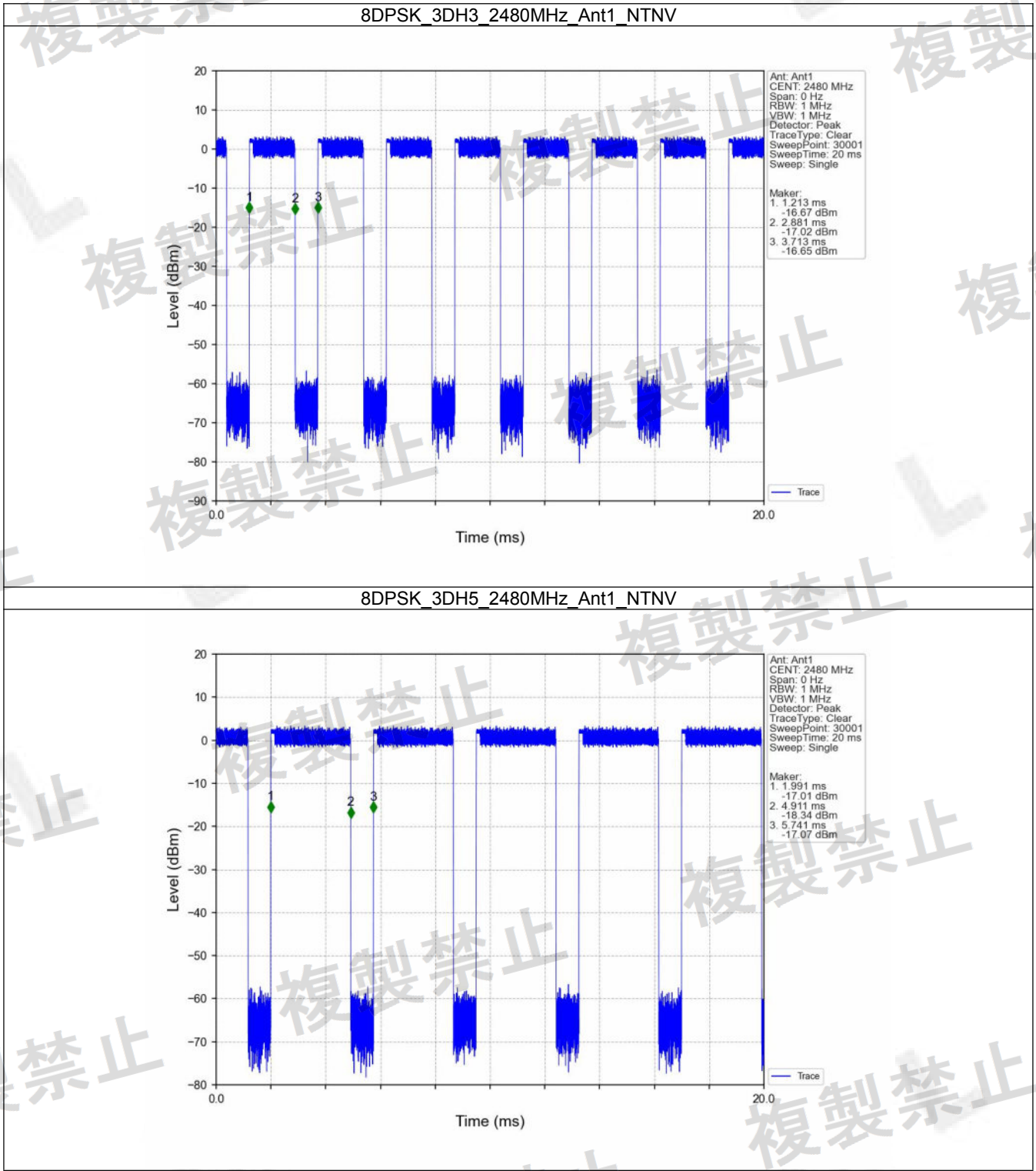
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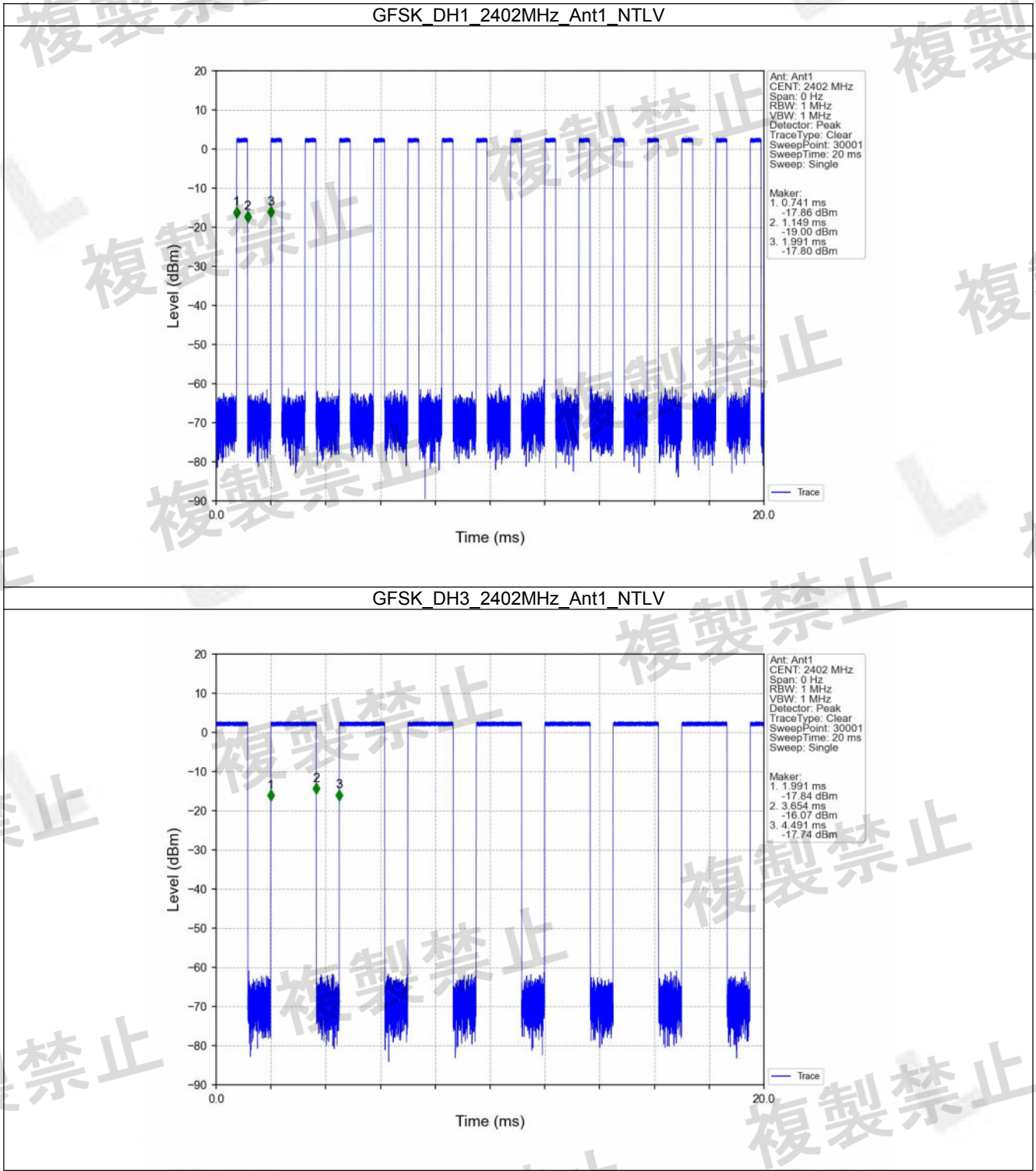
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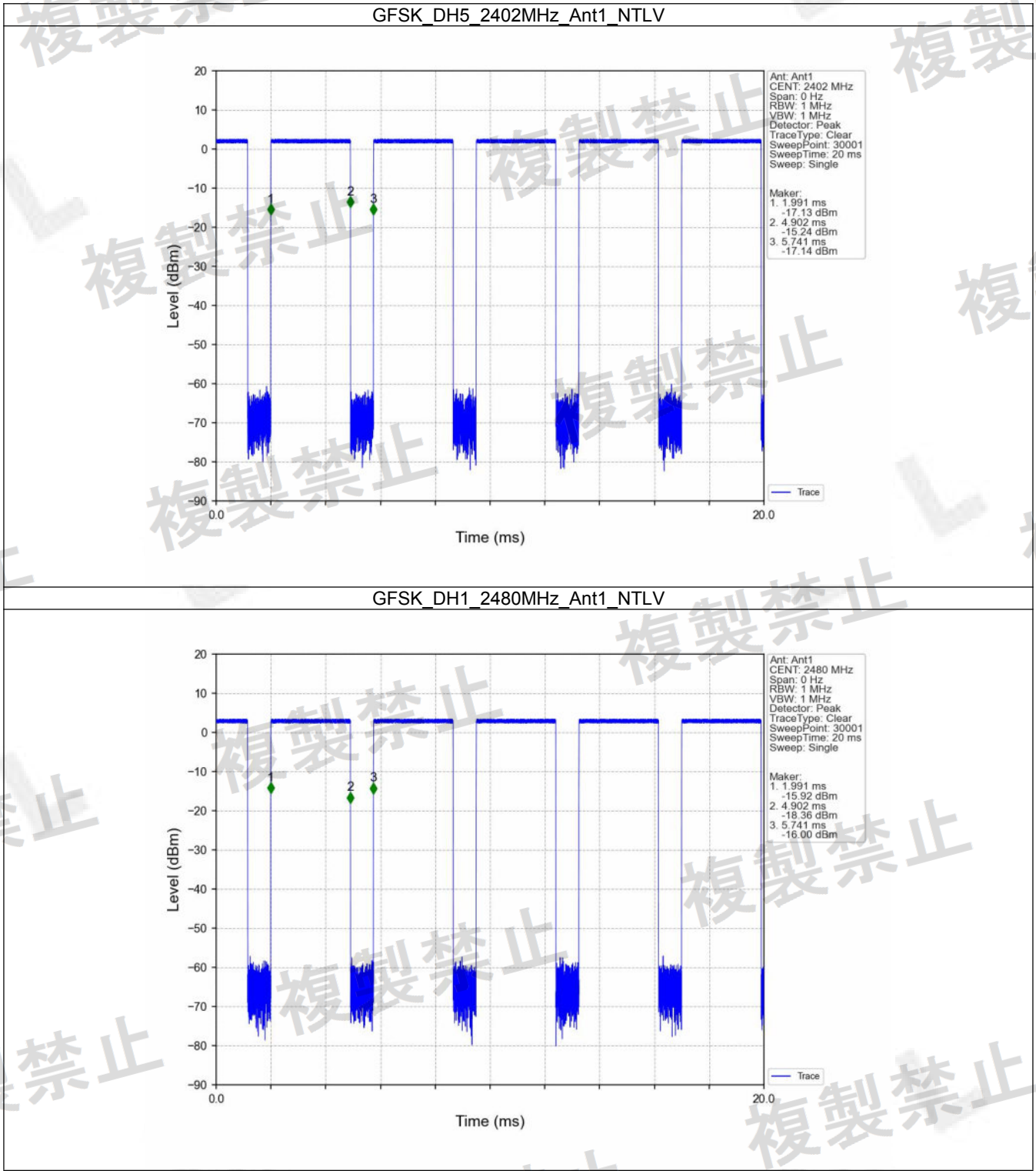
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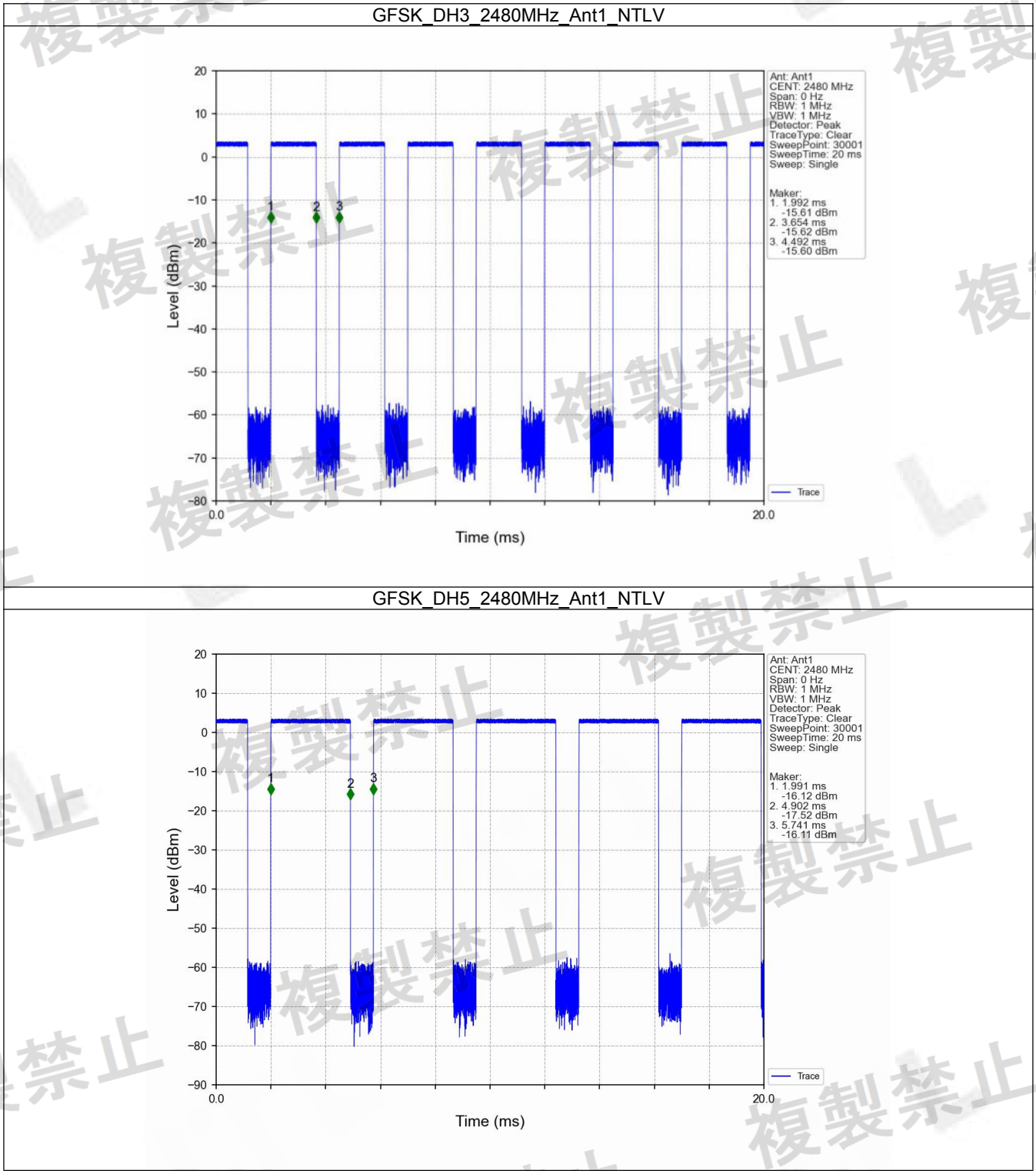
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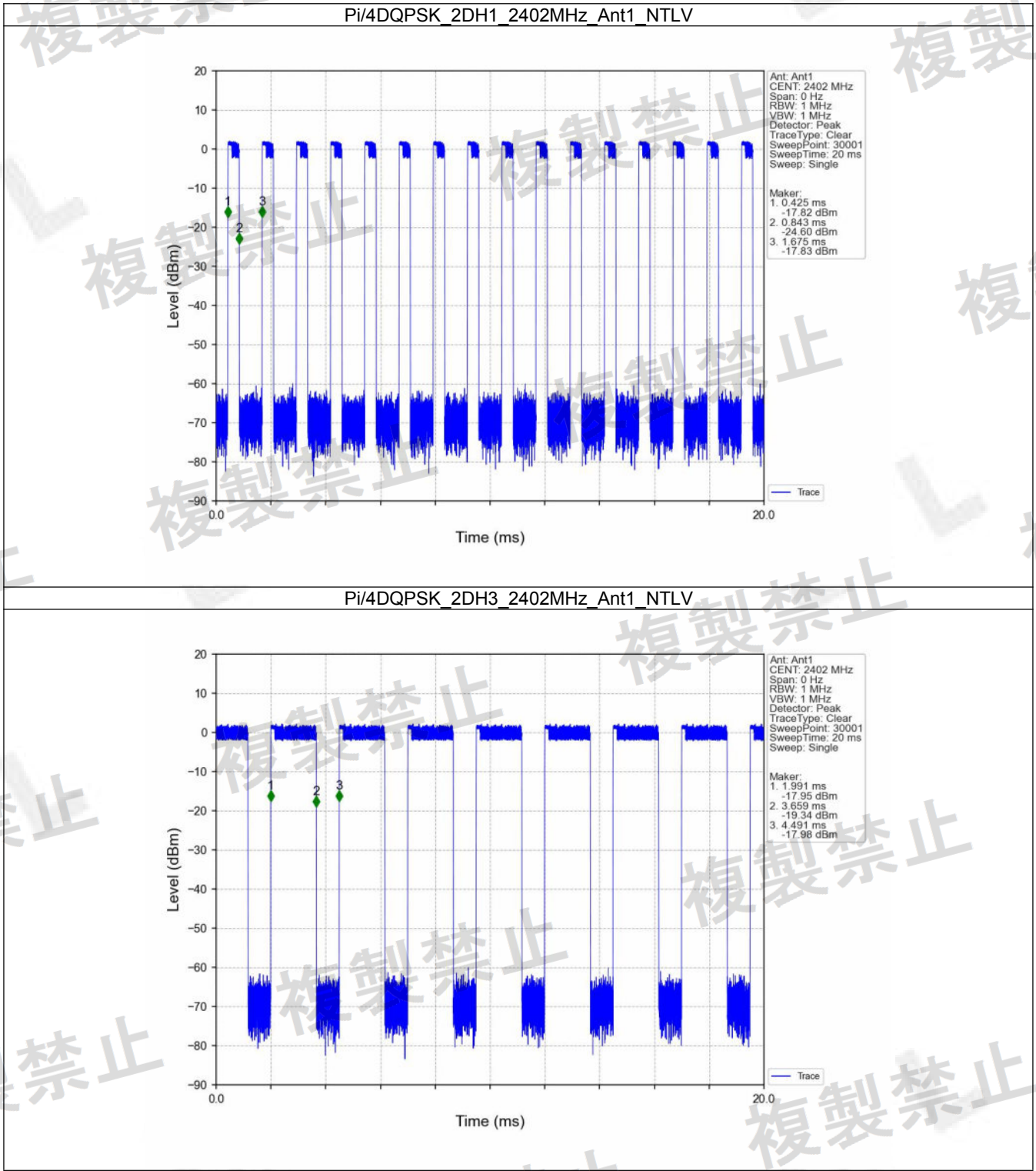
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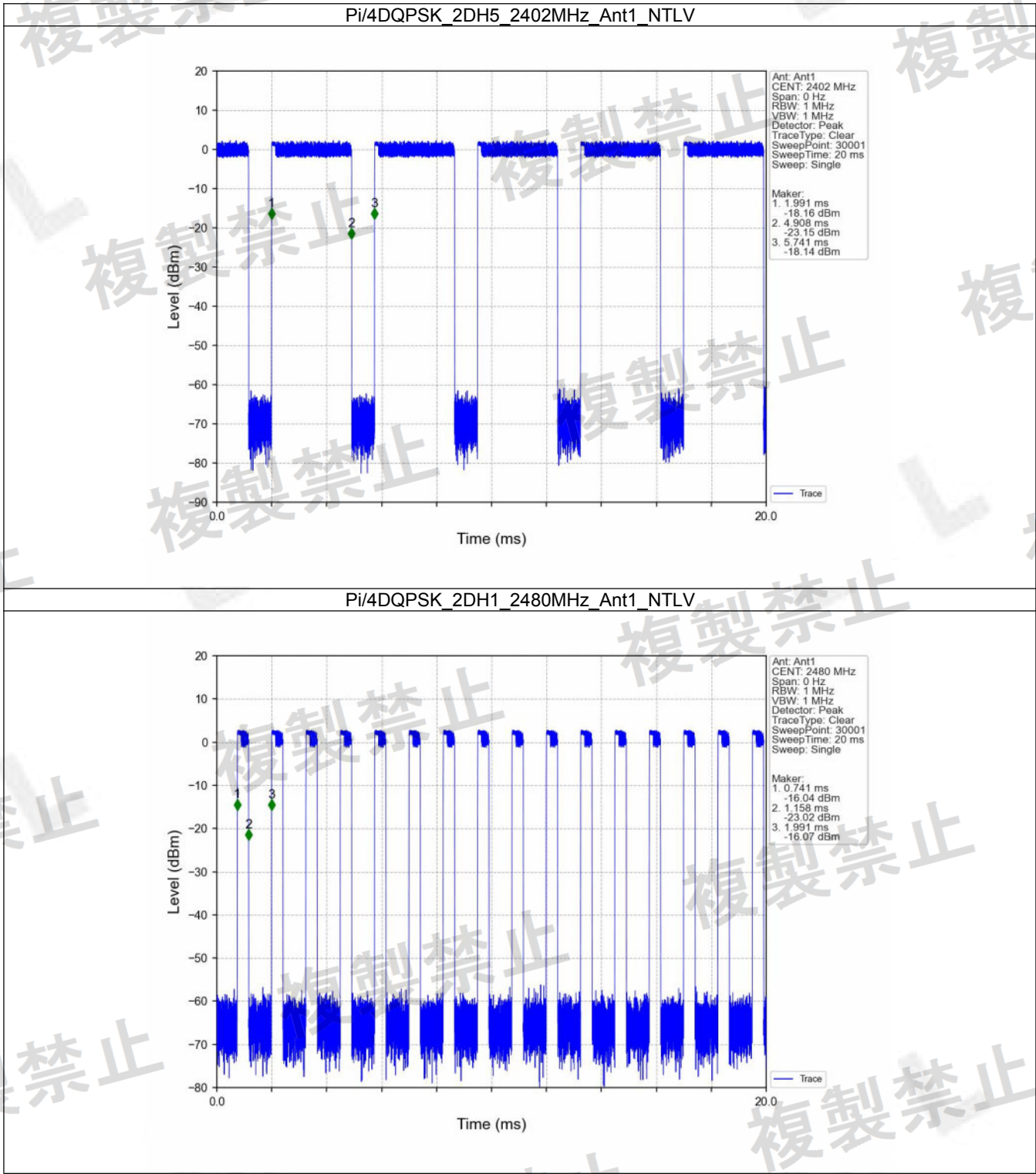
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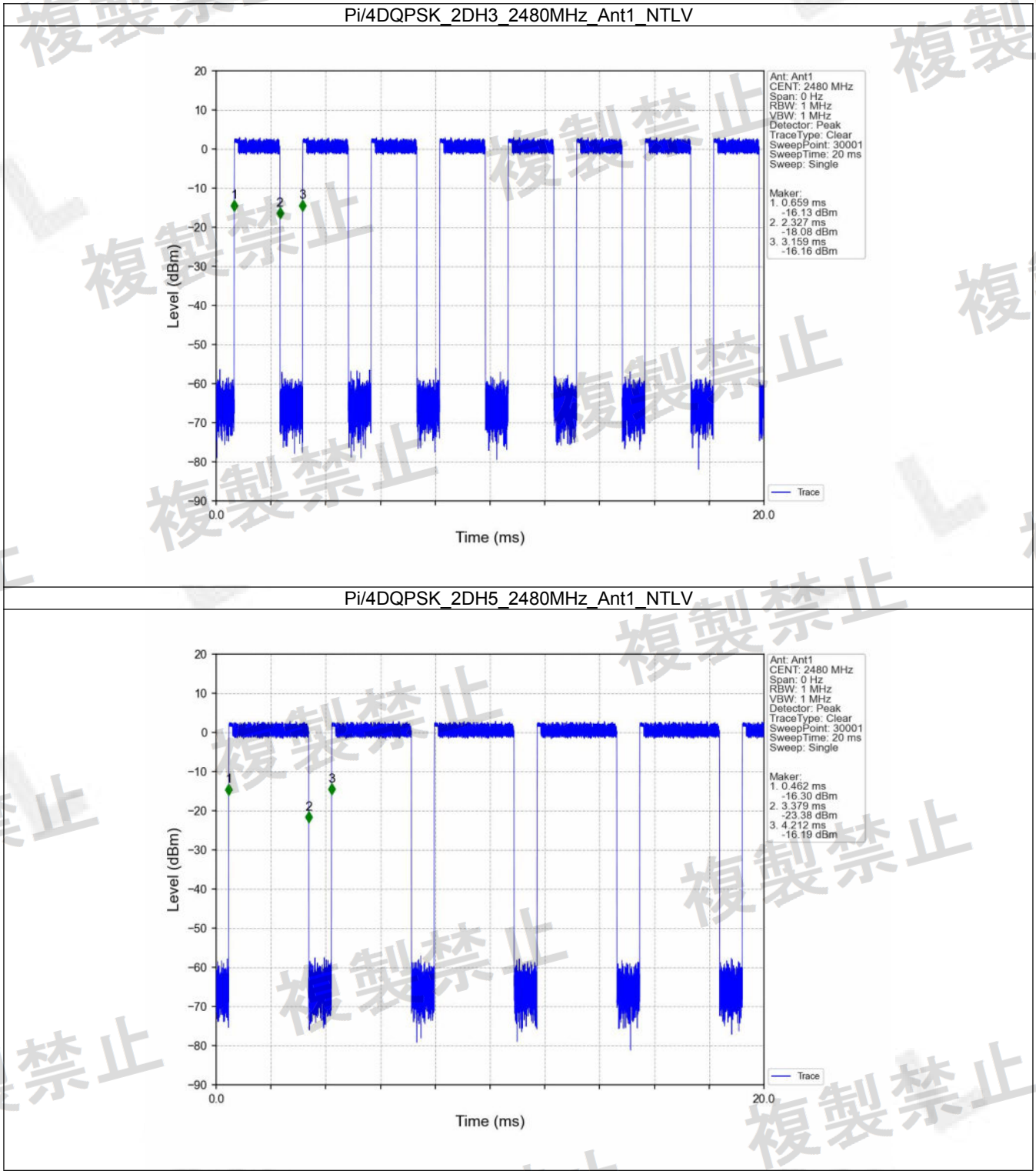
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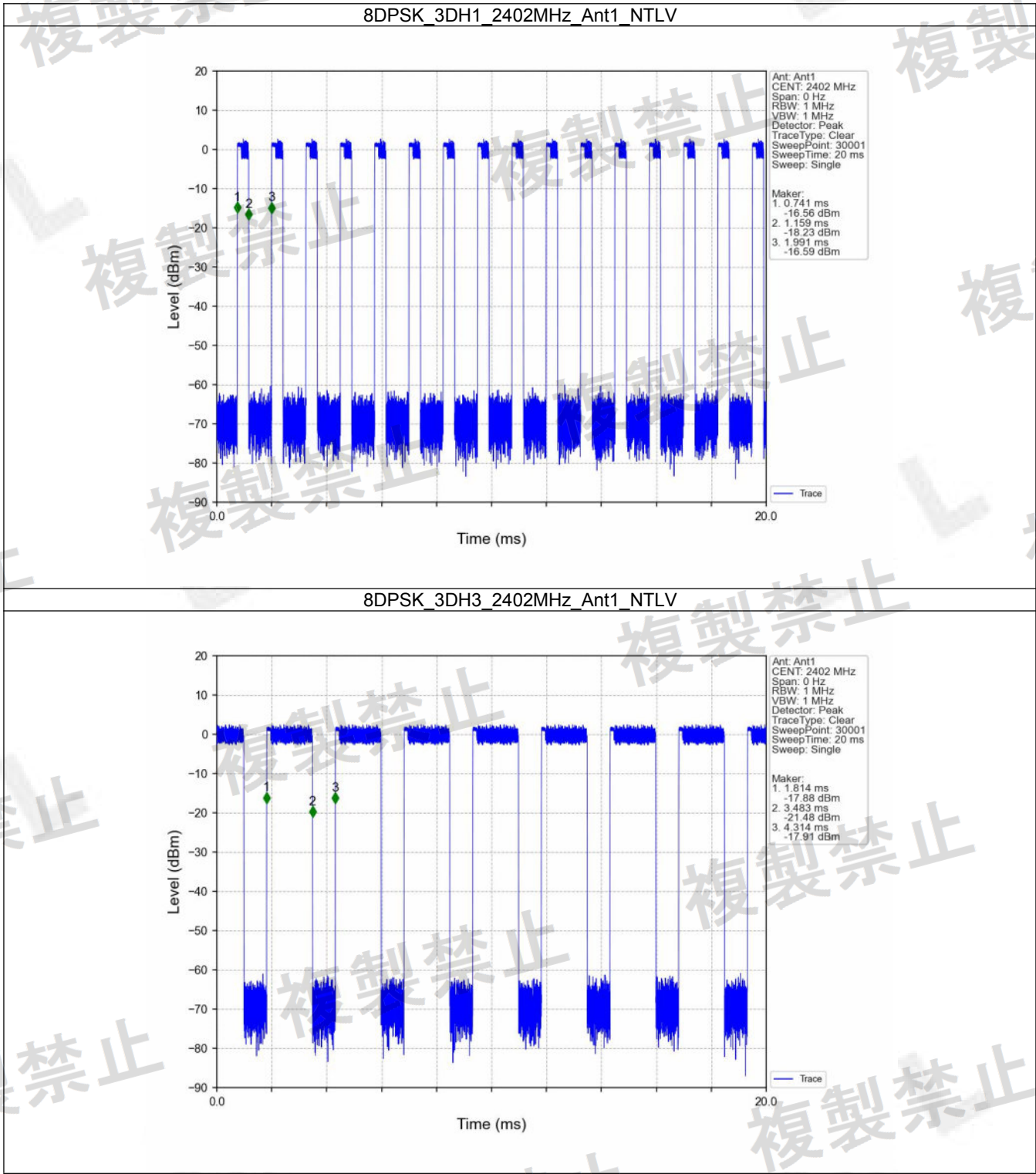
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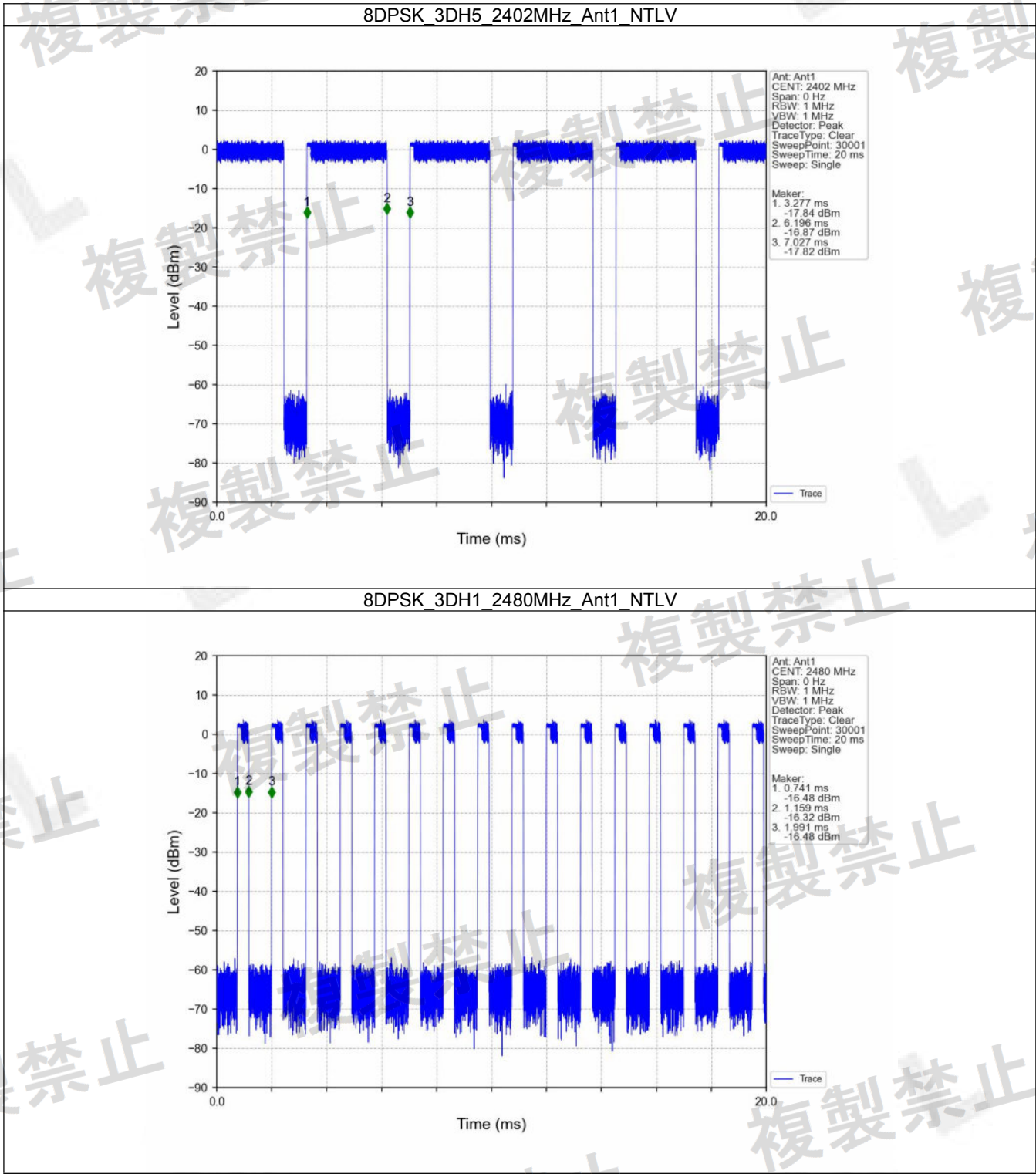
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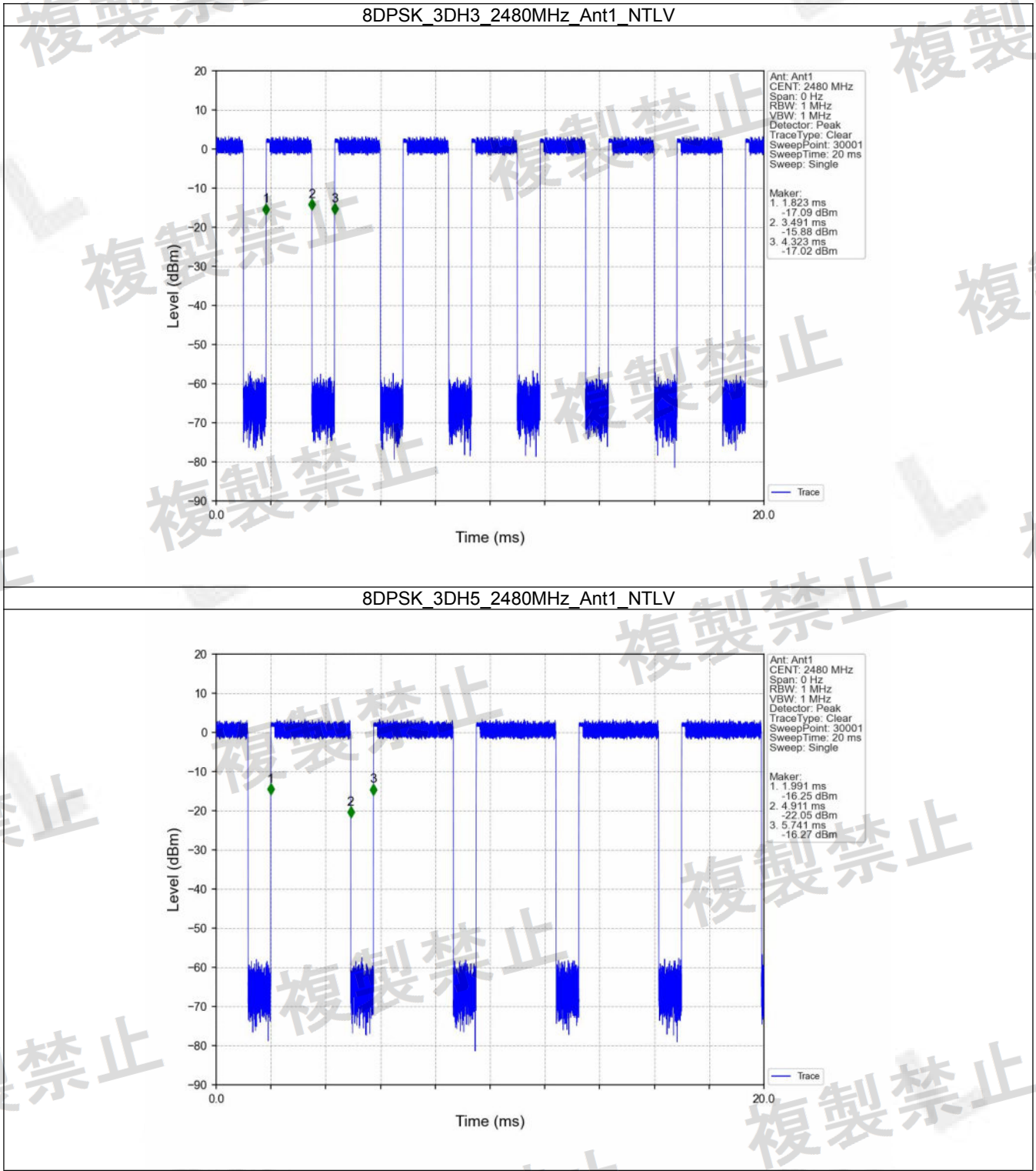
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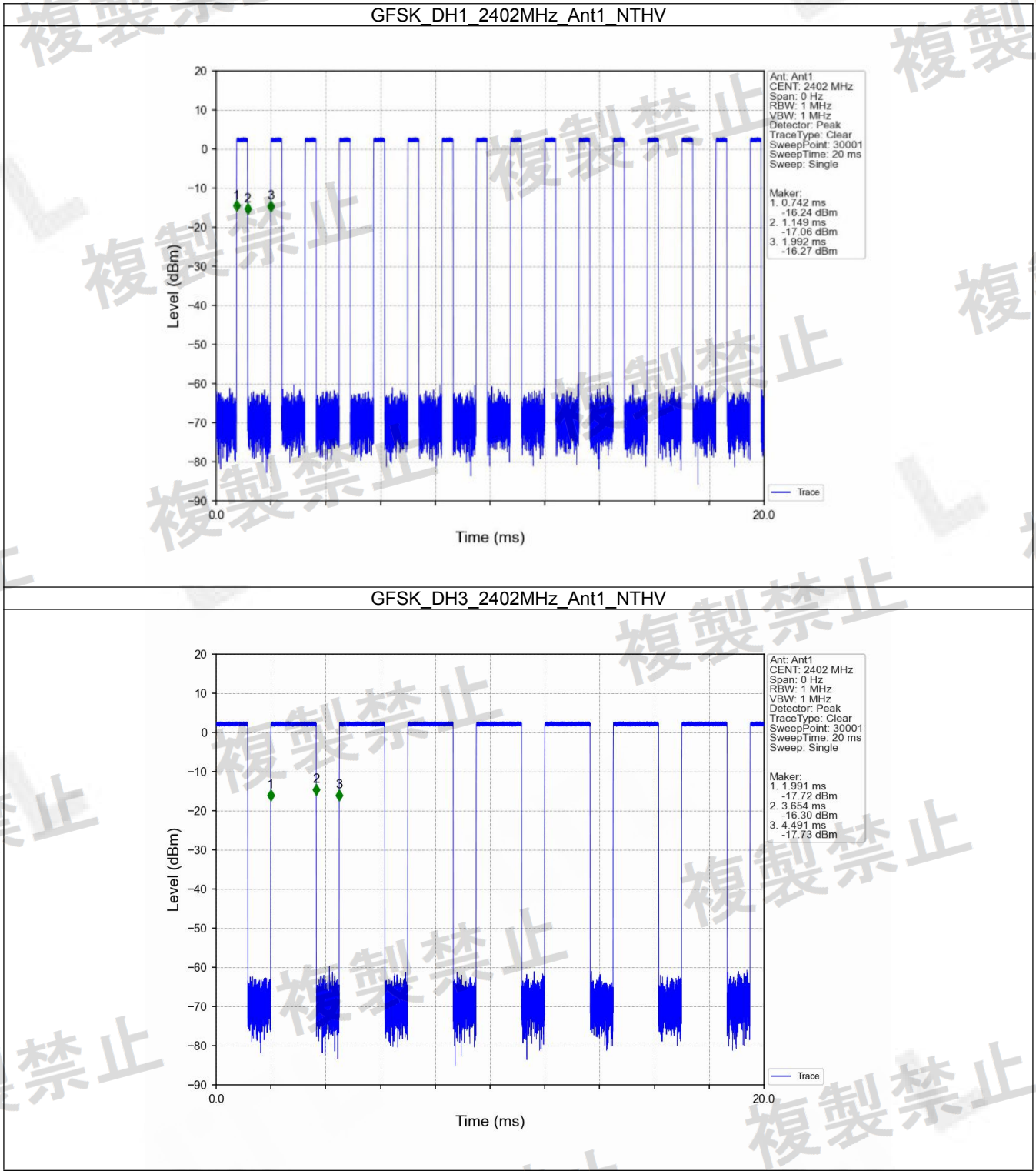
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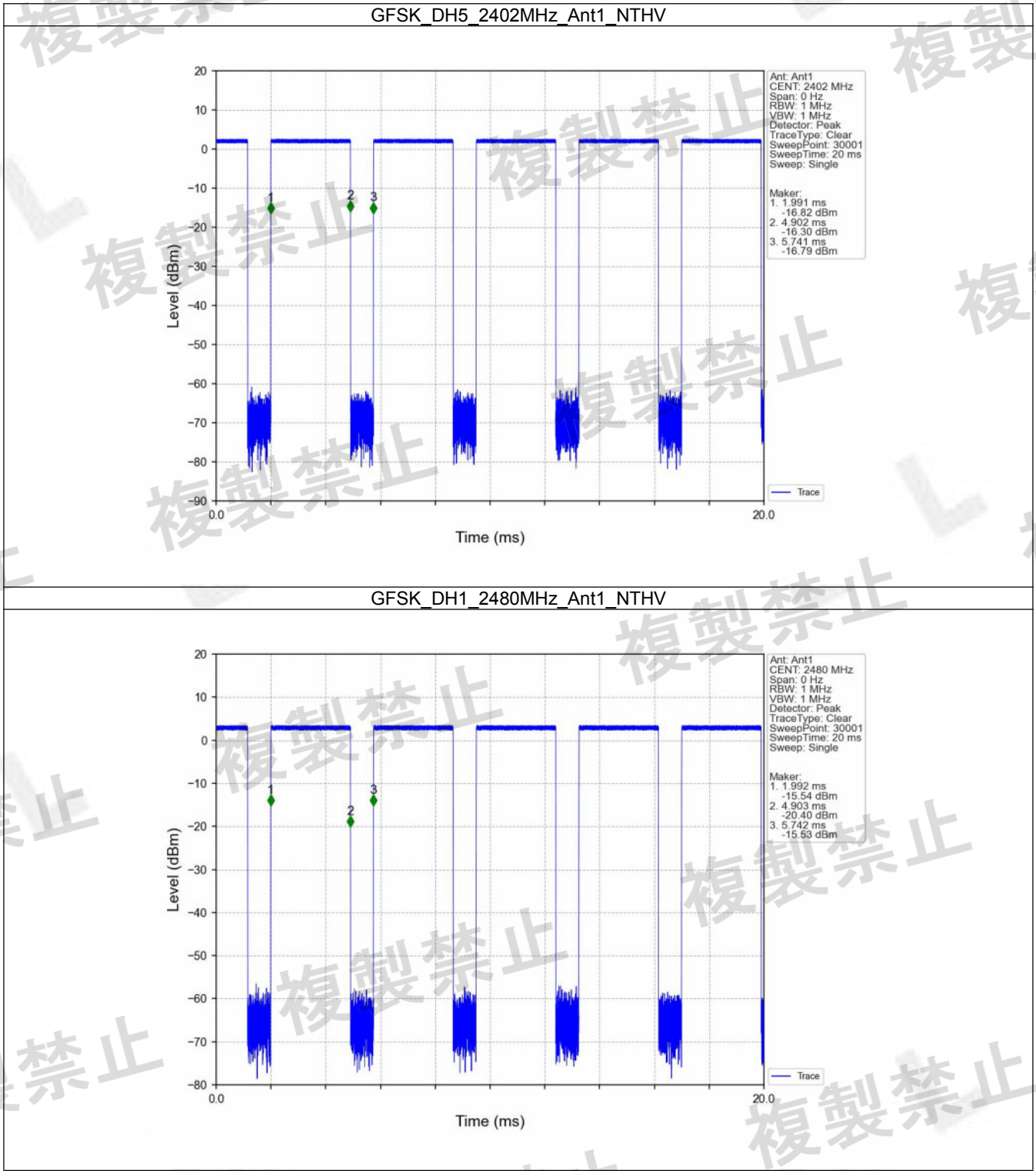
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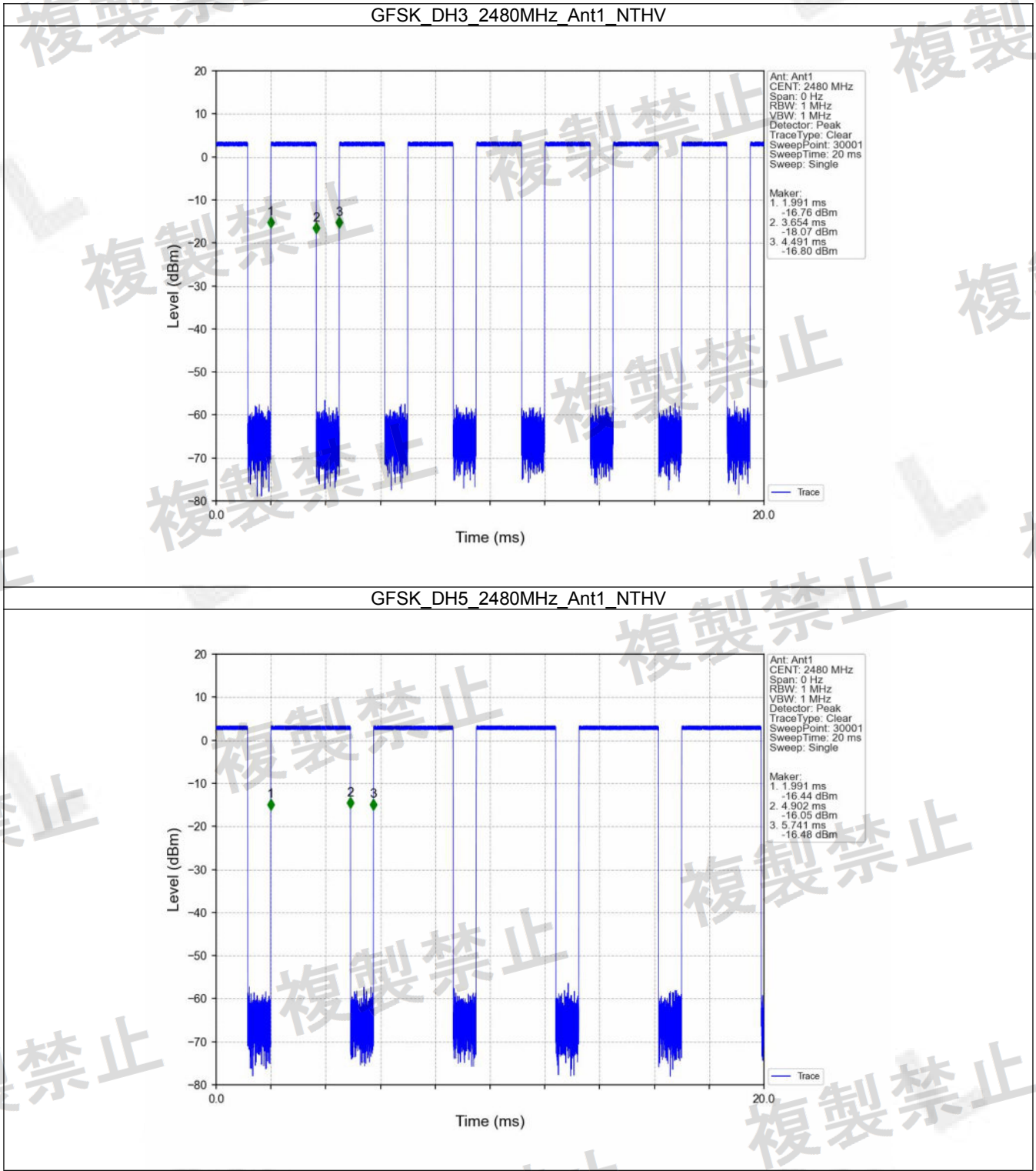
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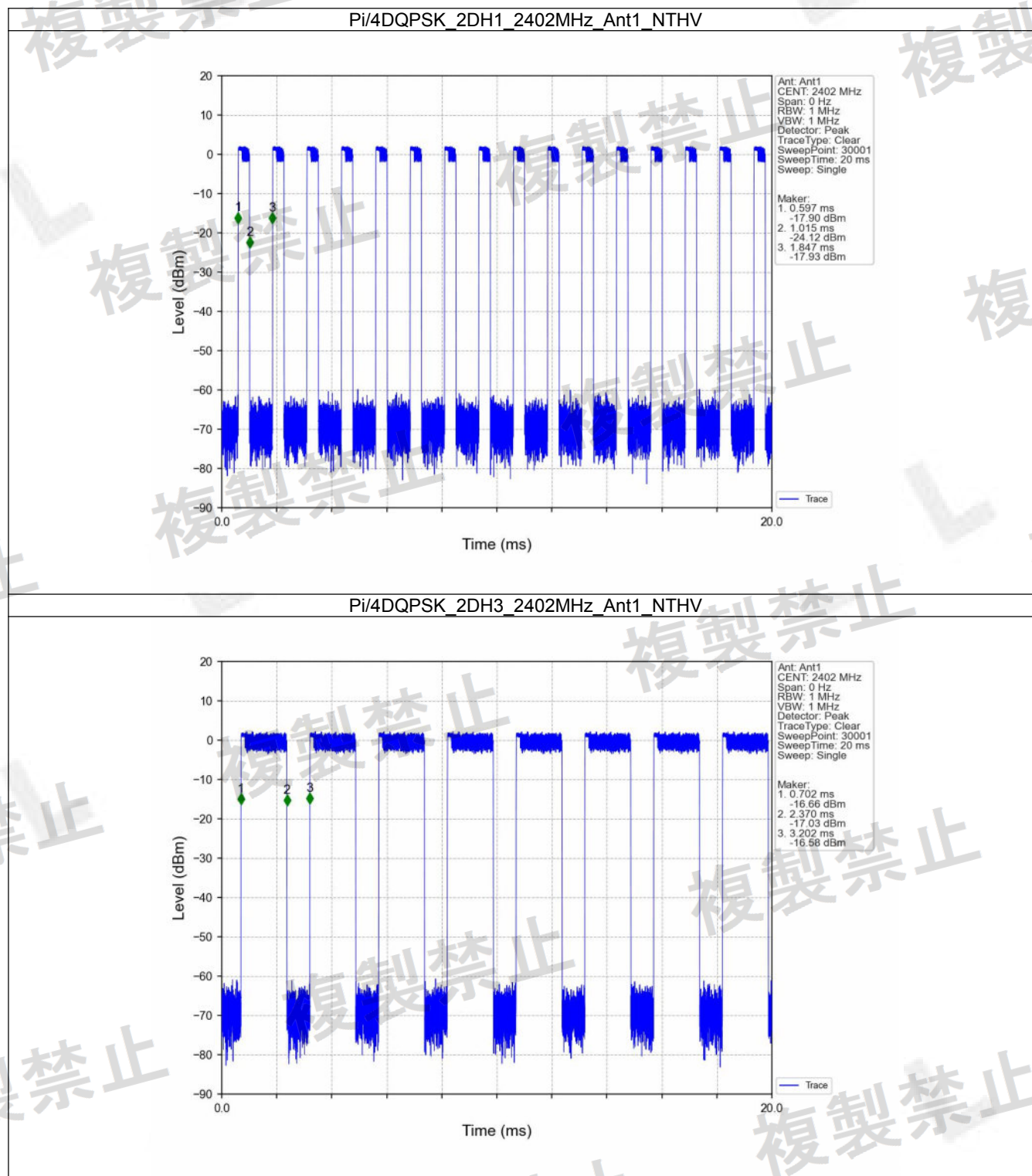
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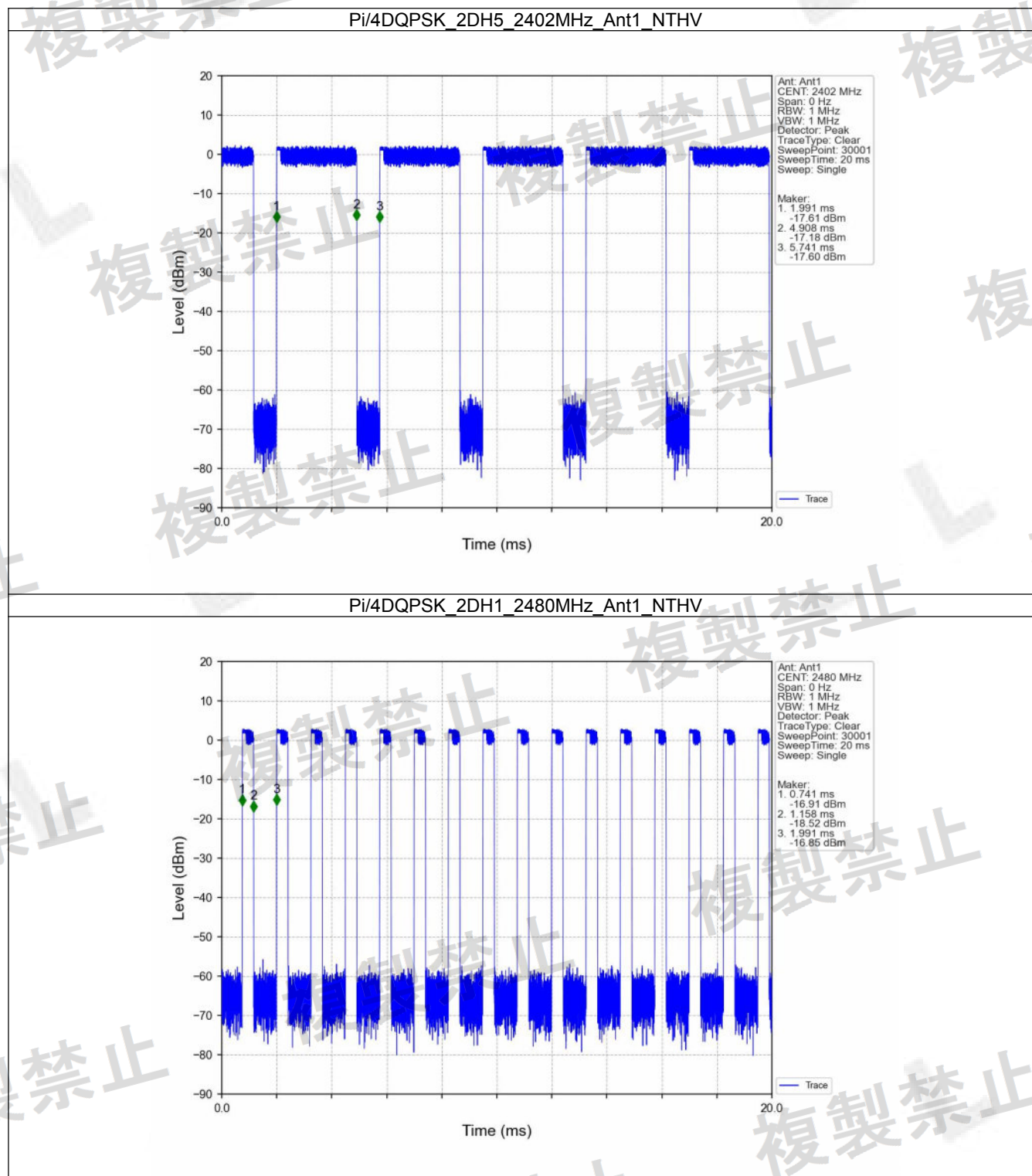
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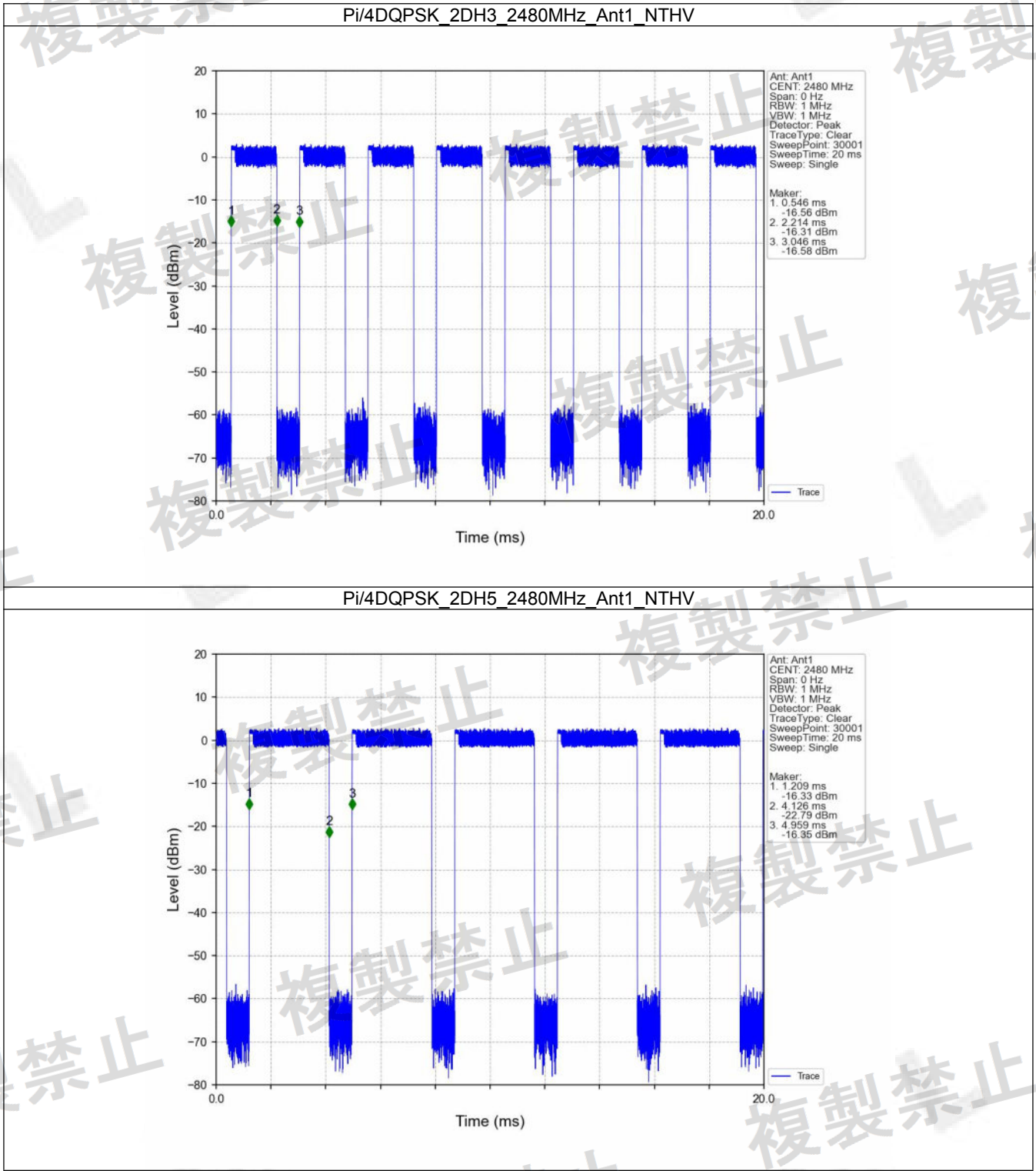
MIC: 219-269023



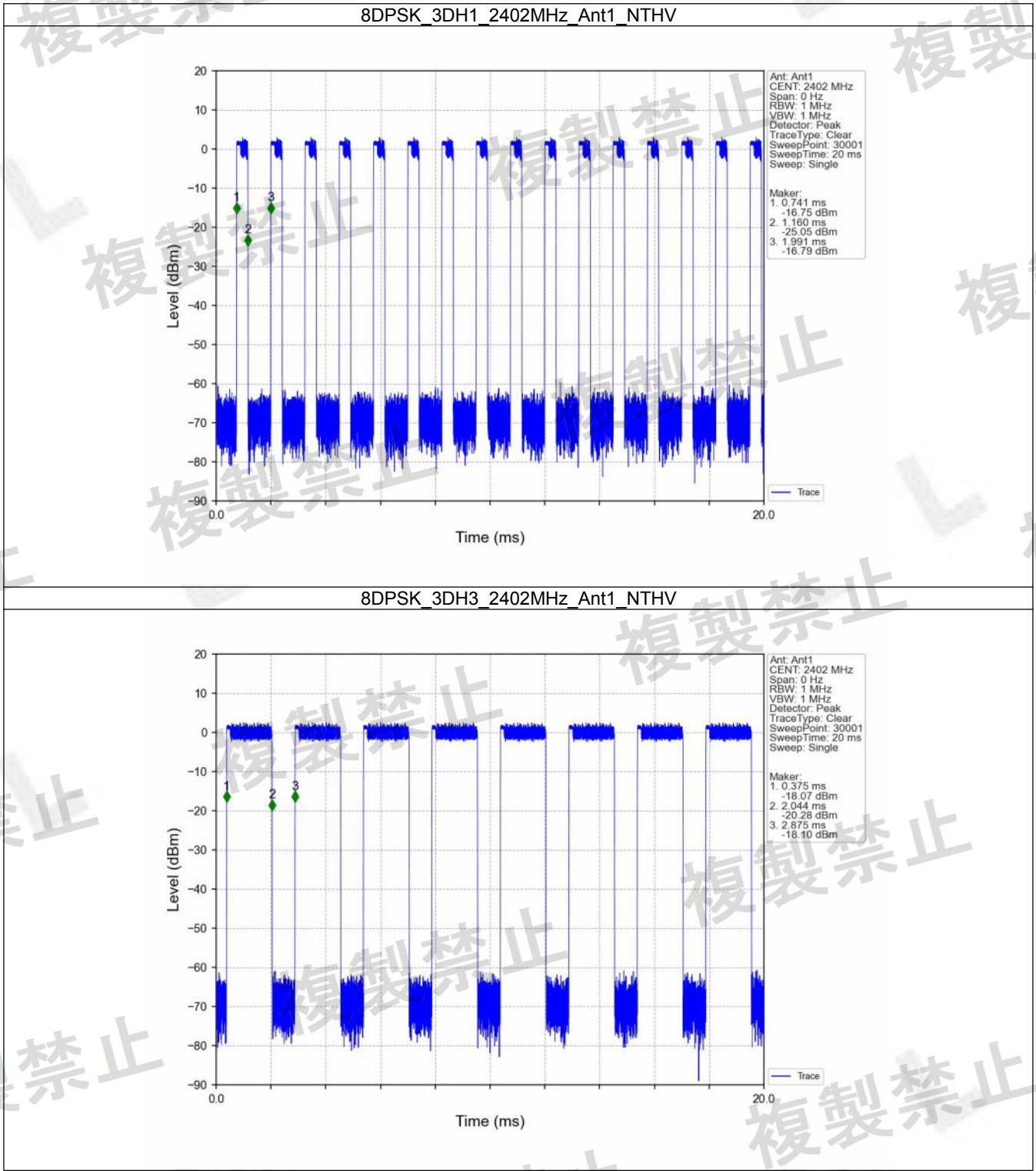
MIC: 219-269023



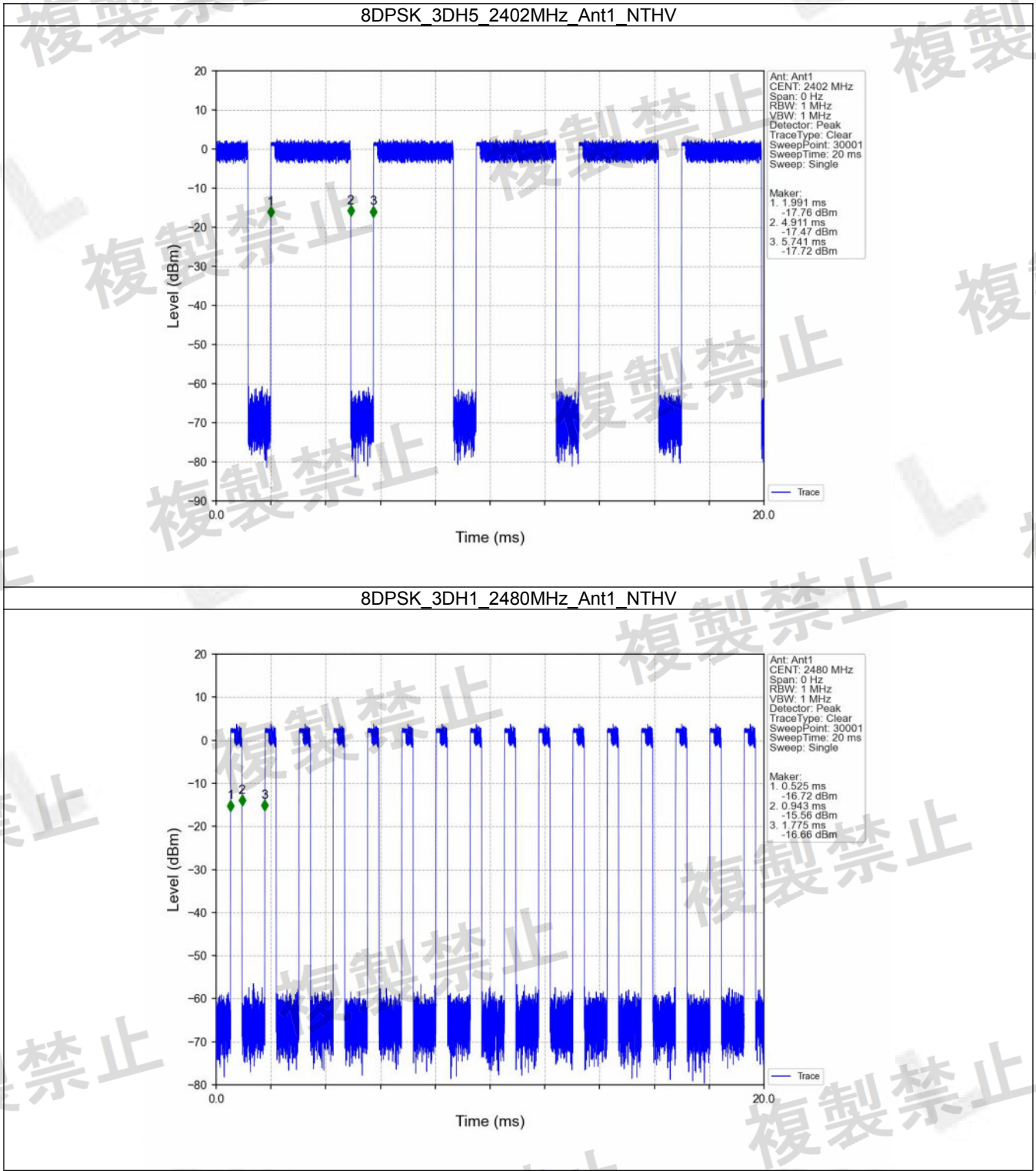
MIC: 219-269023



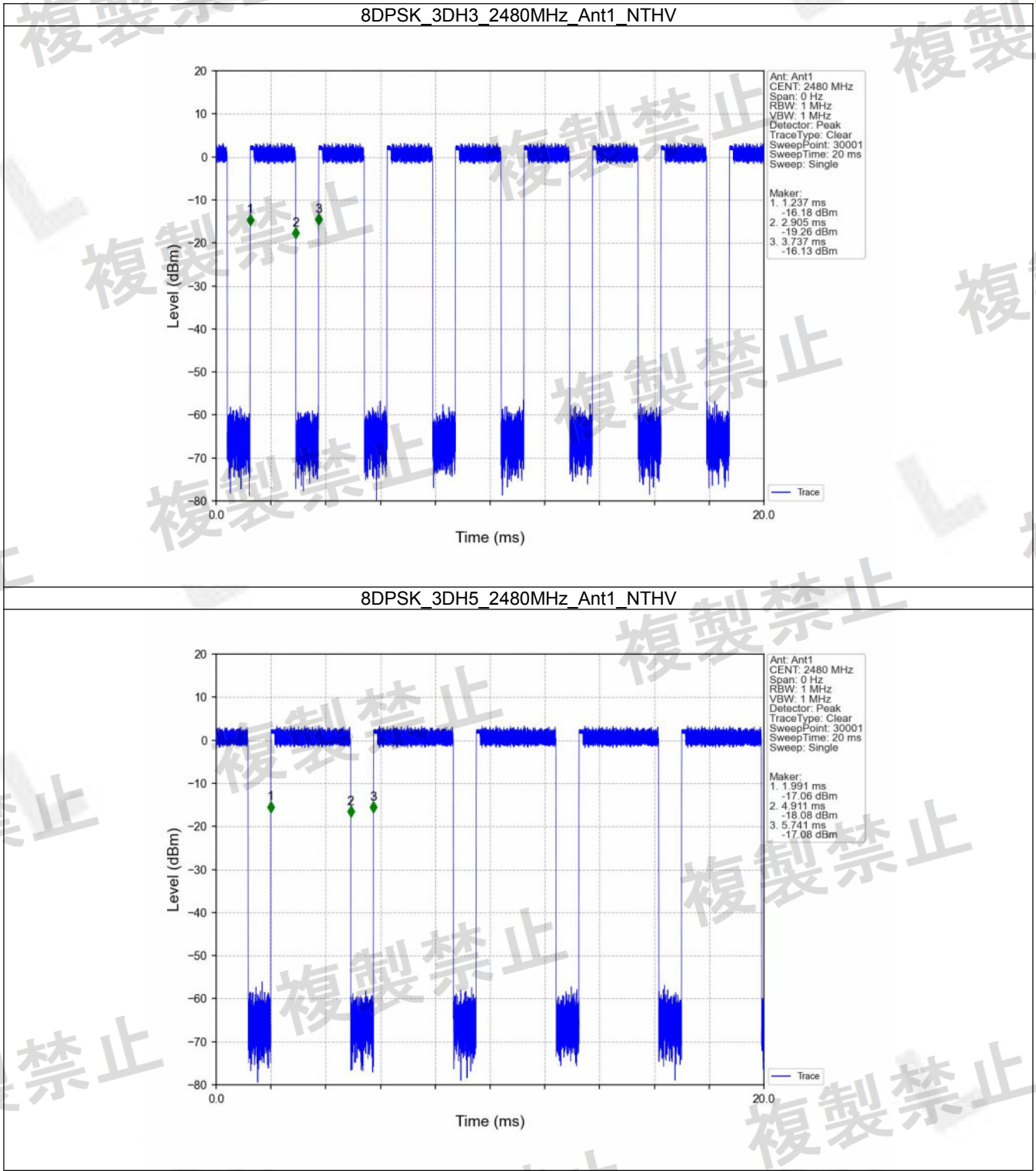
MIC: 219-269023



MIC: 219-269023



MIC: 219-269023



MIC: 219-269023

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	30	-47.17	0.019	/	/	2.5	Pass
				2387	2400	2399.987	-33.33	0.465	/	/	25	Pass
				2483.5	2496.5	2496.409	-58.03	0.002	/	/	25	Pass
				2496.5	12500	4804.5	-48.75	0.013	/	/	2.5	Pass
		2480	1	30	2387	705	-38.97	0.127	/	/	2.5	Pass
				2387	2400	2387.676	-54.90	0.003	/	/	25	Pass
				2483.5	2496.5	2484.8	-43.53	0.044	/	/	25	Pass
				2496.5	12500	5750	-49.50	0.011	/	/	2.5	Pass
Pi/4DQPSK	SISO	2402	1	30	2387	2385.5	-58.27	0.001	/	/	2.5	Pass
				2387	2400	2399.883	-31.42	0.721	/	/	25	Pass
				2483.5	2496.5	2492.132	-58.20	0.002	/	/	25	Pass
				2496.5	12500	4804.5	-49.59	0.011	/	/	2.5	Pass
		2480	1	30	2387	2231	-54.14	0.004	/	/	2.5	Pass
				2387	2400	2395.411	-54.85	0.003	/	/	25	Pass
				2483.5	2496.5	2483.578	-38.45	0.143	/	/	25	Pass
				2496.5	12500	4961	-52.26	0.006	/	/	2.5	Pass
8DPSK	SISO	2402	1	30	2387	2209	-57.35	0.002	/	/	2.5	Pass
				2387	2400	2399.987	-31.59	0.693	/	/	25	Pass
				2483.5	2496.5	2485.385	-58.15	0.002	/	/	25	Pass
				2496.5	12500	4804.5	-49.60	0.011	/	/	2.5	Pass
		2480	1	30	2387	2203.5	-54.87	0.003	/	/	2.5	Pass
				2387	2400	2387.221	-54.81	0.003	/	/	25	Pass
				2483.5	2496.5	2483.552	-38.43	0.144	/	/	25	Pass
				2496.5	12500	5750	-47.75	0.017	/	/	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	30	-49.01	0.013	/	/	2.5	Pass
				2387	2400	2399.974	-32.94	0.508	/	/	25	Pass
				2483.5	2496.5	2484.371	-57.83	0.002	/	/	25	Pass
				2496.5	12500	4804	-48.75	0.013	/	/	2.5	Pass
		2480	1	30	2387	722.5	-29.95	1.012	/	/	2.5	Pass
				2387	2400	2394.592	-55.41	0.003	/	/	25	Pass
				2483.5	2496.5	2484.605	-43.80	0.042	/	/	25	Pass
				2496.5	12500	4960.5	-50.84	0.008	/	/	2.5	Pass
Pi/4DQPSK	SISO	2402	1	30	2387	710.5	-25.89	2.576	-42.97	0.050	2.5	Pass
						723	-25.39	2.891	-145.86	0.000	2.5	Pass
				2387	2400	2399.974	-30.90	0.813	/	/	25	Pass
				2483.5	2496.5	2494.537	-58.34	0.001	/	/	25	Pass
				2496.5	12500	4804	-50.30	0.009	/	/	2.5	Pass

MIC: 219-269023

8DPSK	SISO	2480	1	30	2387	2357	-54.78	0.003	/	/	2.5	Pass
				2387	2400	2389.119	-54.86	0.003	/	/	25	Pass
				2483.5	2496.5	2483.565	-38.33	0.147	/	/	25	Pass
				2496.5	12500	4960.5	-52.23	0.006	/	/	2.5	Pass
		2402	1	30	2387	898	-36.04	0.249	/	/	2.5	Pass
				2387	2400	2399.987	-31.85	0.653	/	/	25	Pass
				2483.5	2496.5	2491.105	-58.23	0.002	/	/	25	Pass
				2496.5	12500	4804.5	-48.66	0.014	/	/	2.5	Pass
		2480	1	30	2387	2228.5	-54.41	0.004	/	/	2.5	Pass
				2387	2400	2398.063	-54.42	0.004	/	/	25	Pass
				2483.5	2496.5	2483.526	-38.83	0.131	/	/	25	Pass
				2496.5	12500	4960.5	-52.68	0.005	/	/	2.5	Pass

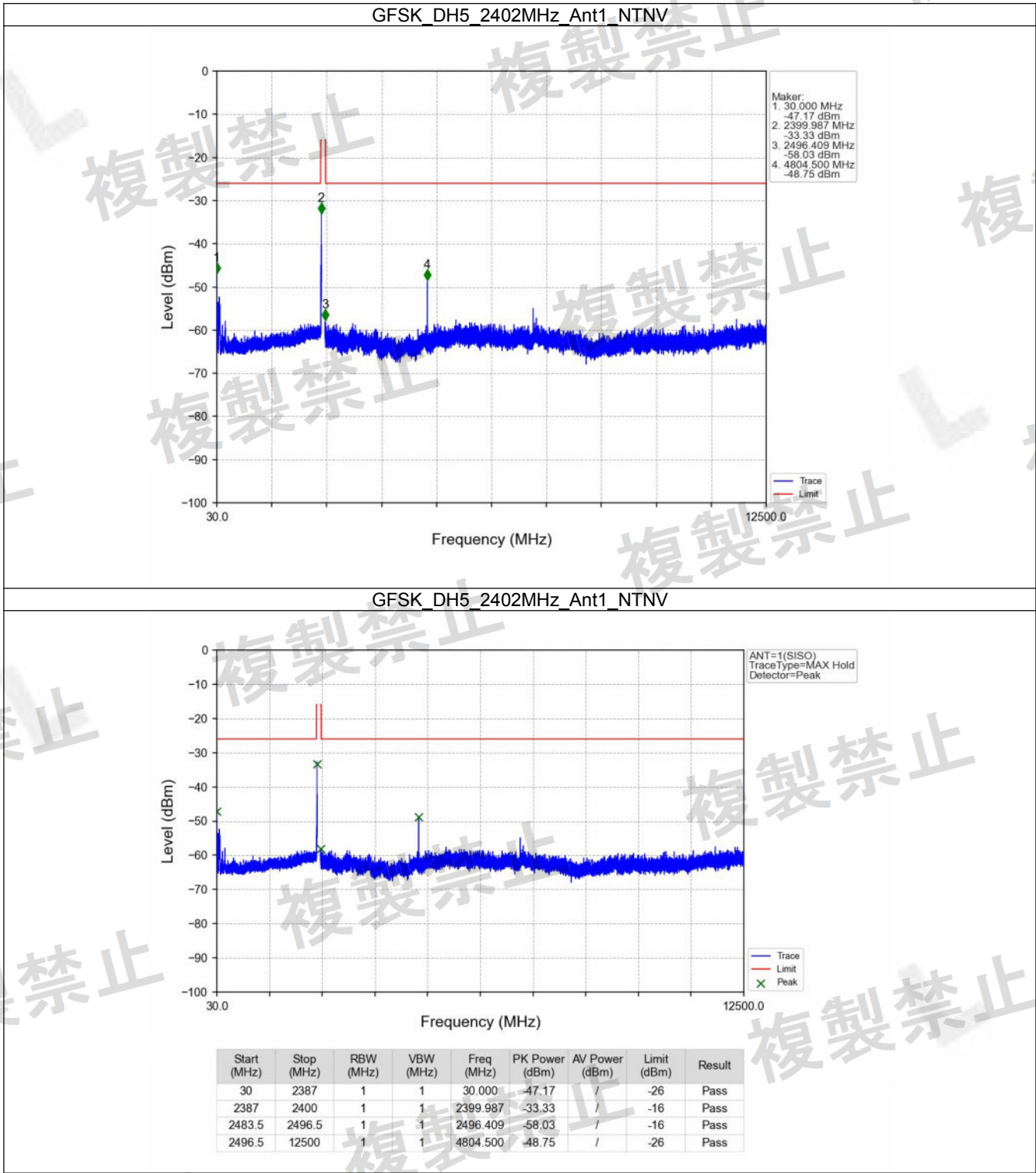
6.1.3 TxSe_NTHV

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	705.5	-27.73	1.687	-38.52	0.141	2.5	Pass
				2387	2400	2399.896	-34.32	0.370	/	/	25	Pass
				2483.5	2496.5	2485.827	-58.88	0.001	/	/	25	Pass
				2496.5	12500	4805	-49.39	0.012	/	/	2.5	Pass
		2480	1	30	2387	706	-30.50	0.891	/	/	2.5	Pass
				2387	2400	2393.877	-55.42	0.003	/	/	25	Pass
				2483.5	2496.5	2485.099	-43.92	0.041	/	/	25	Pass
				2496.5	12500	4960	-50.26	0.009	/	/	2.5	Pass
Pi/4DQPSK	SISO	2402	1	30	2387	2174.5	-58.10	0.002	/	/	2.5	Pass
				2387	2400	2399.922	-30.95	0.804	/	/	25	Pass
				2483.5	2496.5	2494.173	-57.95	0.002	/	/	25	Pass
				2496.5	12500	4805	-50.09	0.010	/	/	2.5	Pass
		2480	1	30	2387	2210	-54.85	0.003	/	/	2.5	Pass
				2387	2400	2387.286	-55.04	0.003	/	/	25	Pass
				2483.5	2496.5	2483.526	-37.63	0.173	/	/	25	Pass
				2496.5	12500	4960.5	-53.14	0.005	/	/	2.5	Pass
8DPSK	SISO	2402	1	30	2387	2111.5	-58.17	0.002	/	/	2.5	Pass
				2387	2400	2399.987	-31.36	0.731	/	/	25	Pass
				2483.5	2496.5	2484.007	-57.96	0.002	/	/	25	Pass
				2496.5	12500	4804.5	-48.77	0.013	/	/	2.5	Pass
		2480	1	30	2387	2139.5	-54.71	0.003	/	/	2.5	Pass
				2387	2400	2392.798	-55.34	0.003	/	/	25	Pass
				2483.5	2496.5	2483.617	-38.60	0.138	/	/	25	Pass
				2496.5	12500	5748	-48.70	0.013	/	/	2.5	Pass

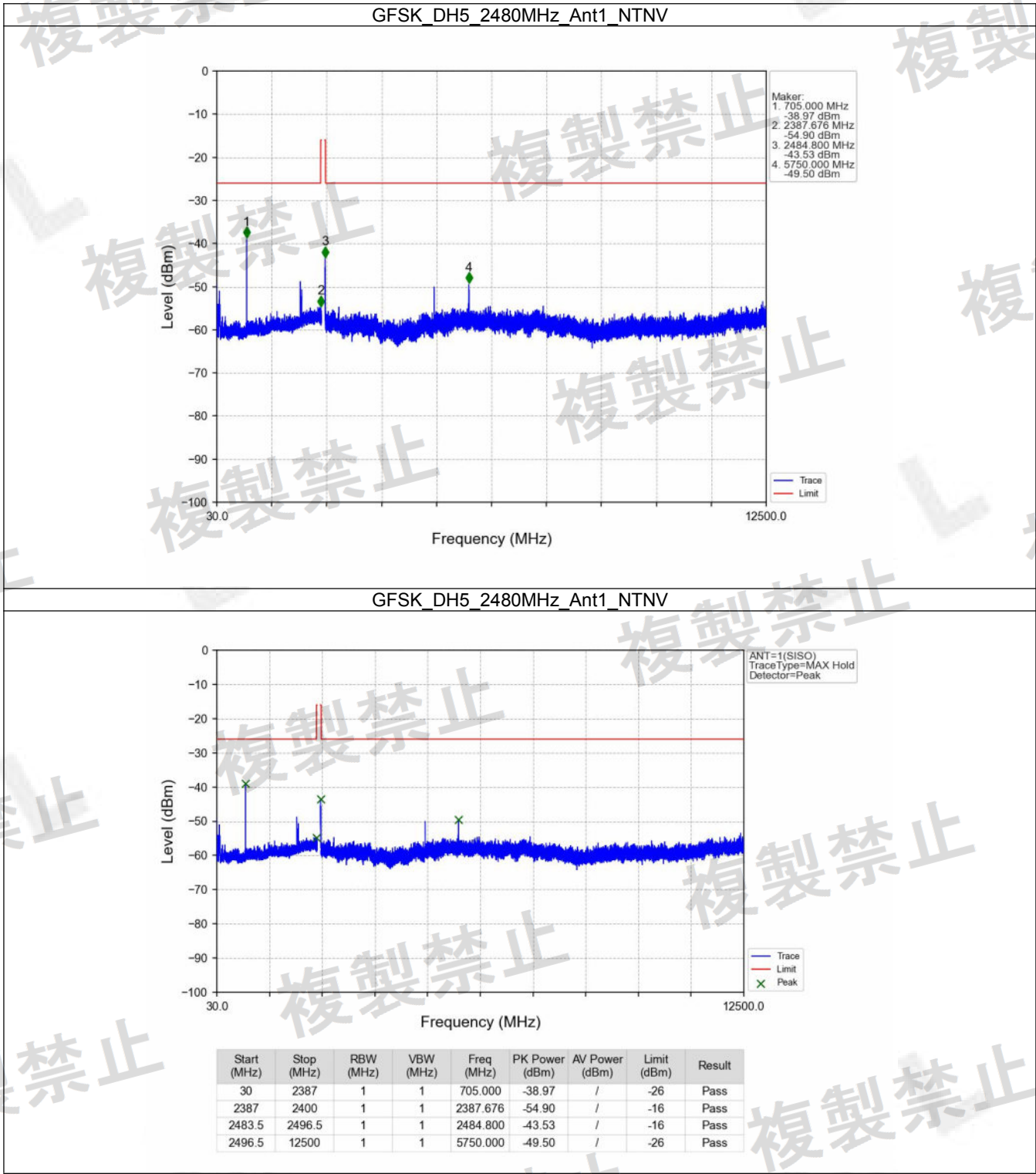
MIC: 219-269023

6.2 Test Graph

6.2.1 TxSe_NTNV

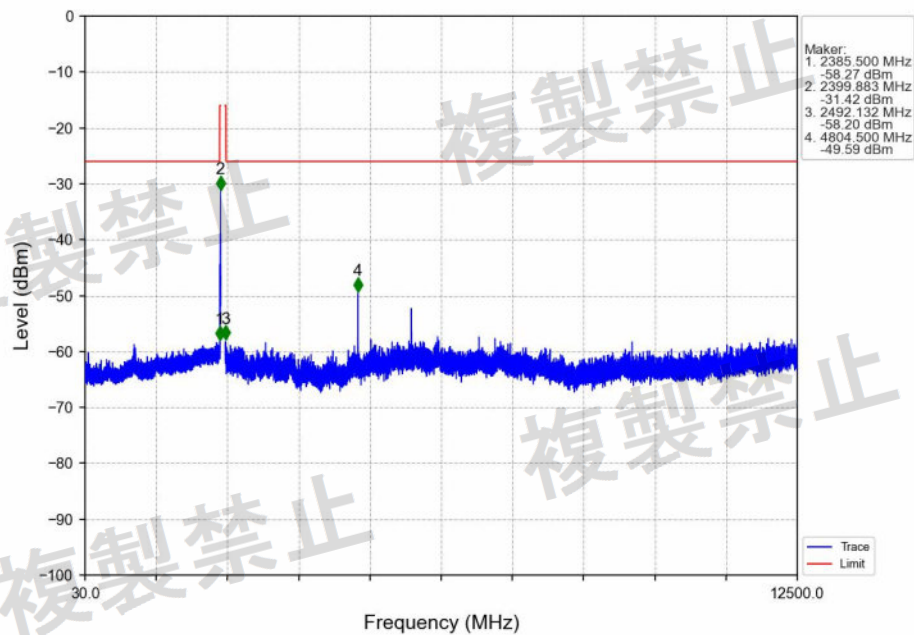


MIC: 219-269023

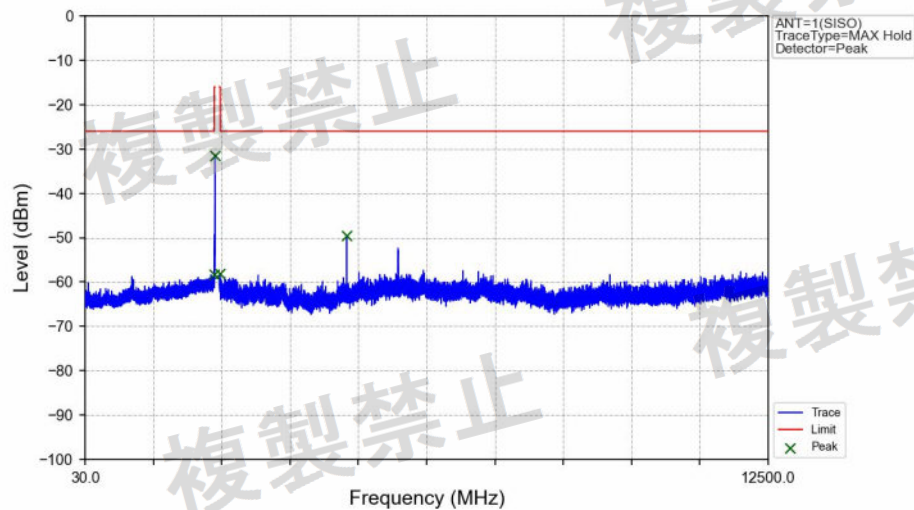


MIC: 219-269023

Pi/4DQPSK_2DH5_2402MHz_Ant1_NTNV

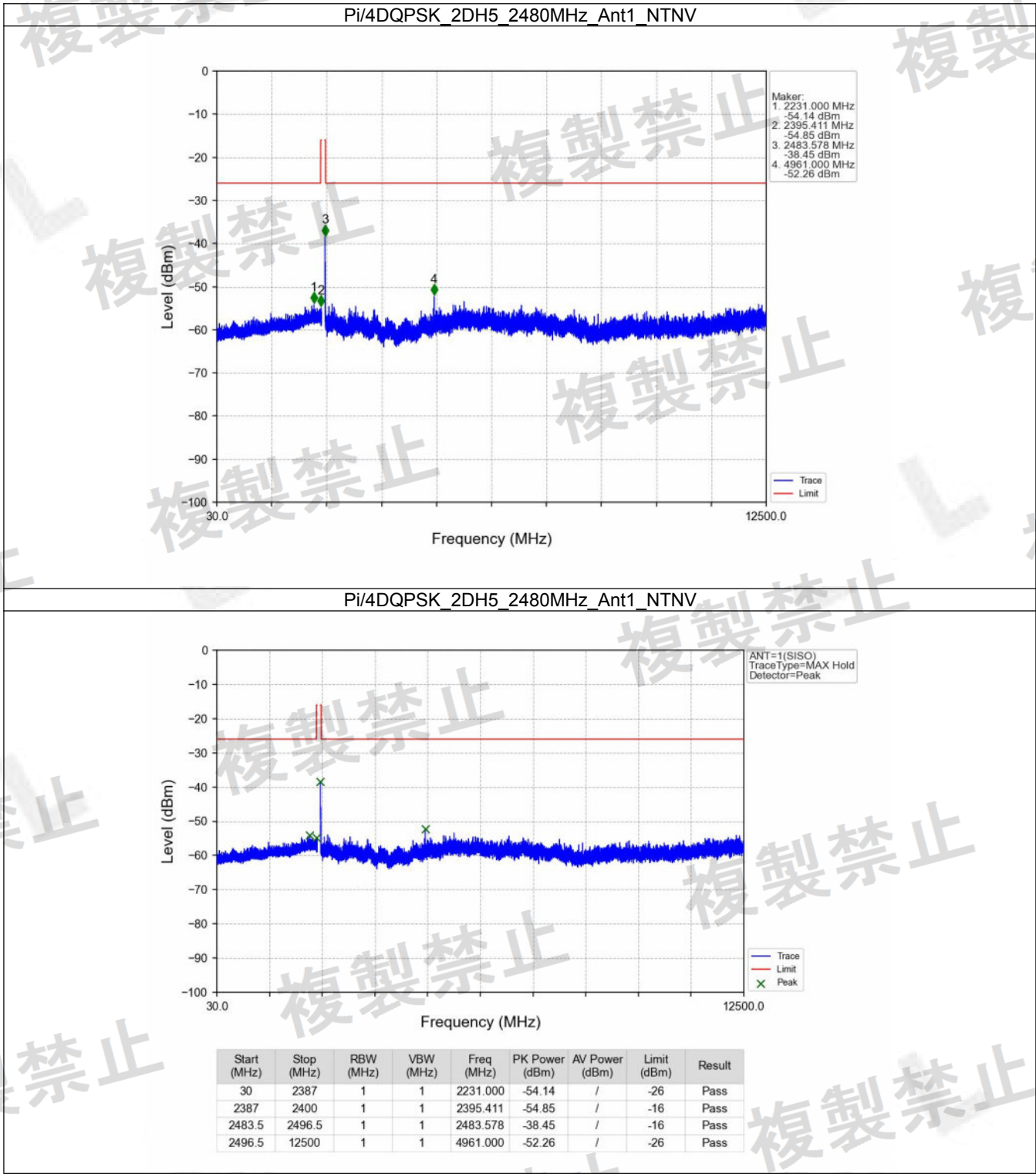


Pi/4DQPSK_2DH5_2402MHz_Ant1_NTNV

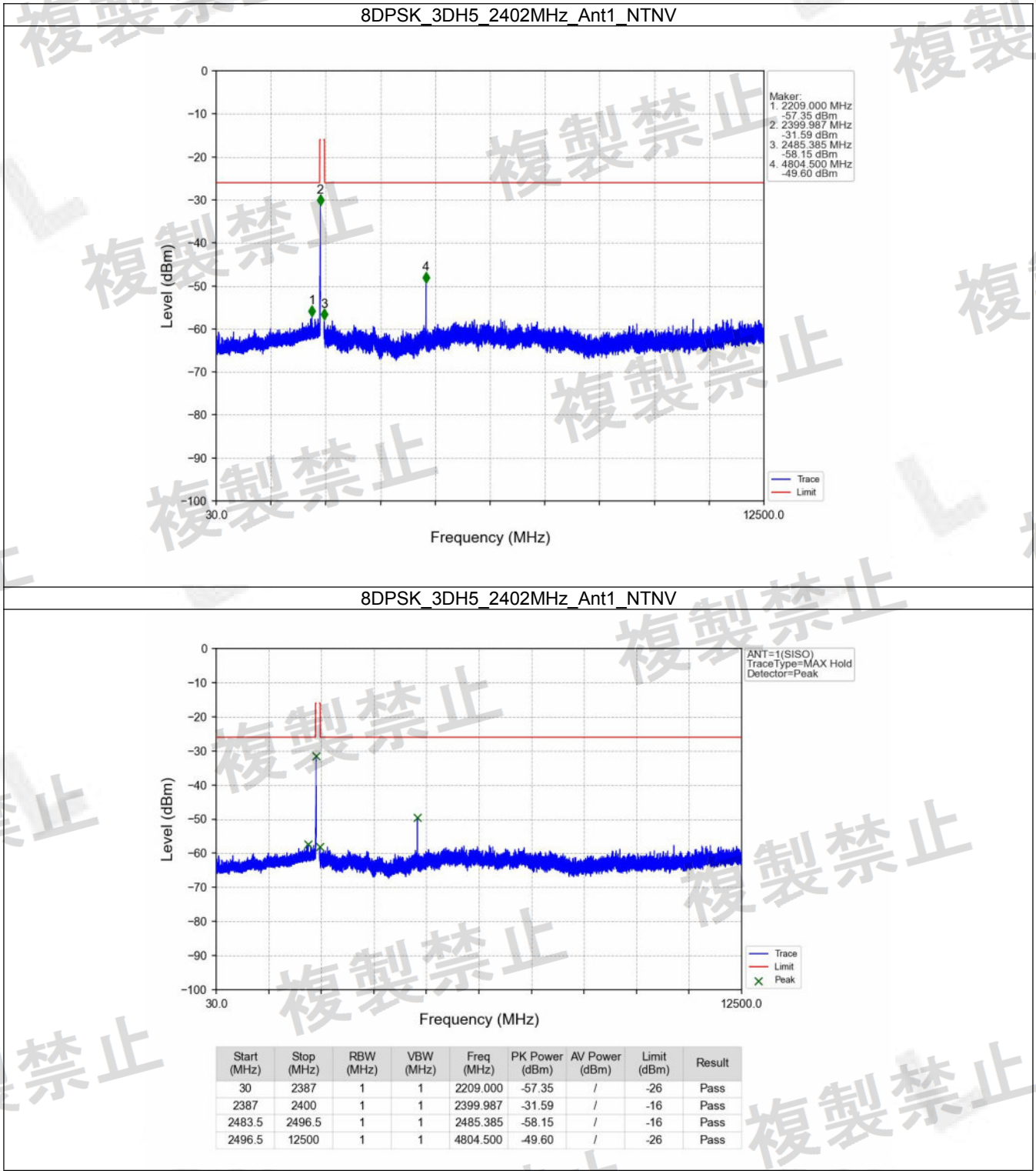


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	2385.500	-58.27	/	-26	Pass
2387	2400	1	1	2399.883	-31.42	/	-16	Pass
2483.5	2496.5	1	1	2492.132	-58.20	/	-16	Pass
2496.5	12500	1	1	4804.500	-49.59	/	-26	Pass

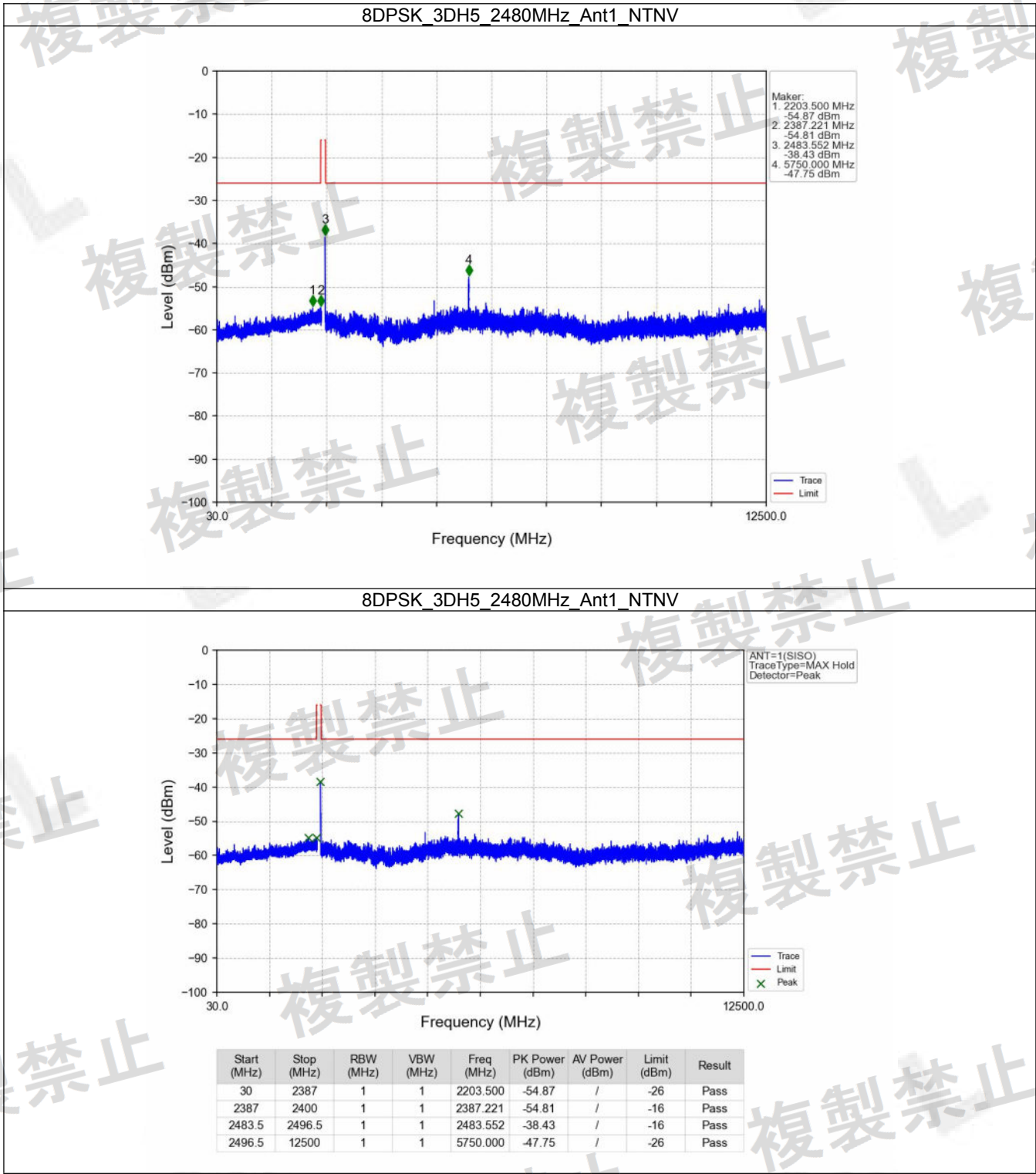
MIC: 219-269023



MIC: 219-269023

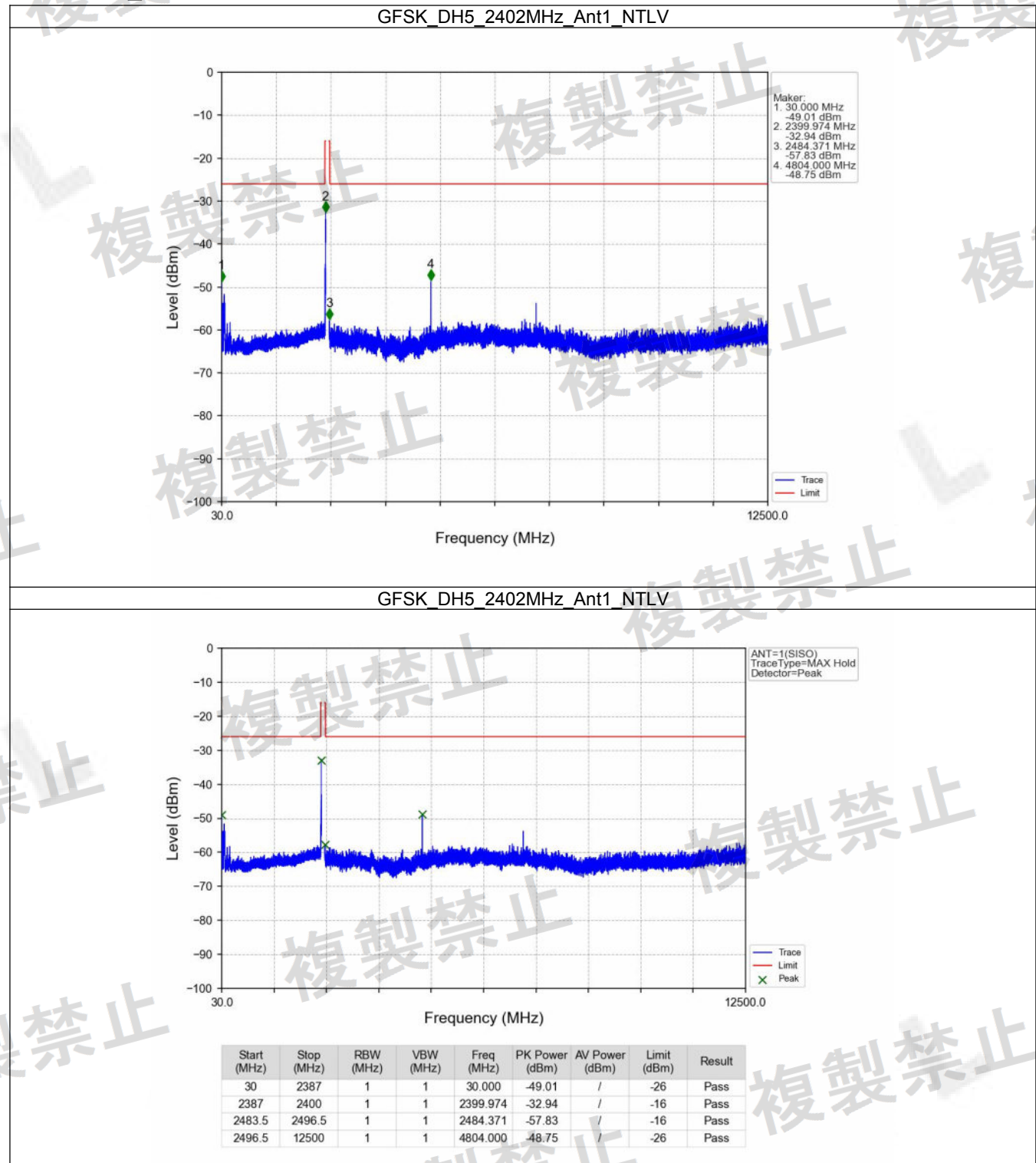


MIC: 219-269023

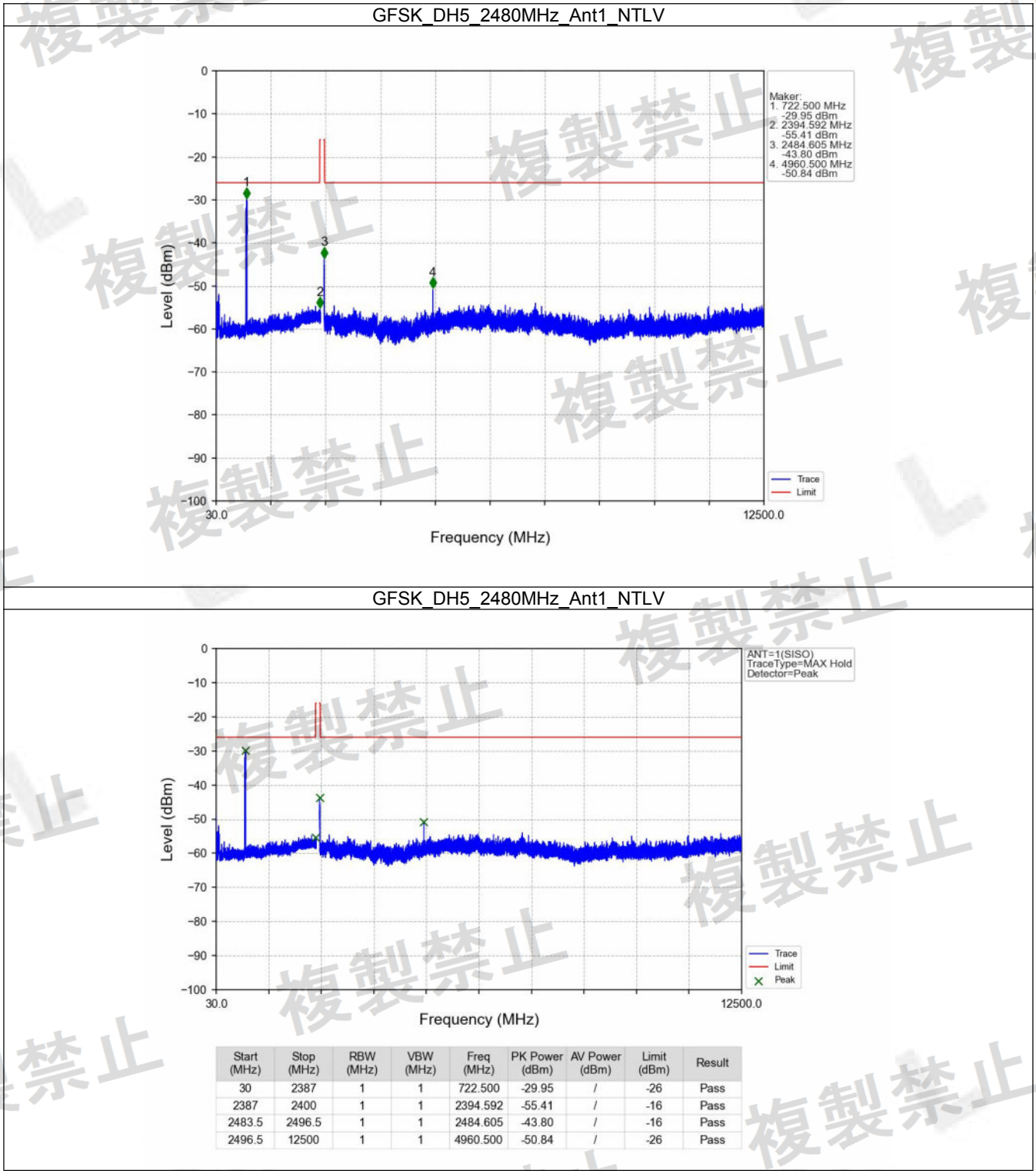


MIC: 219-269023

6.2.2 TxSe_NTLV

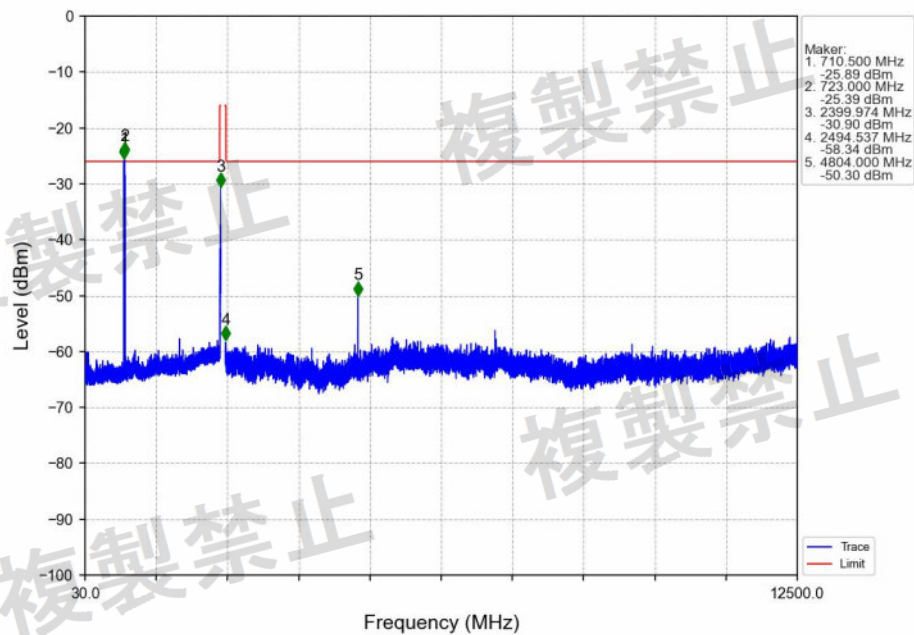


MIC: 219-269023

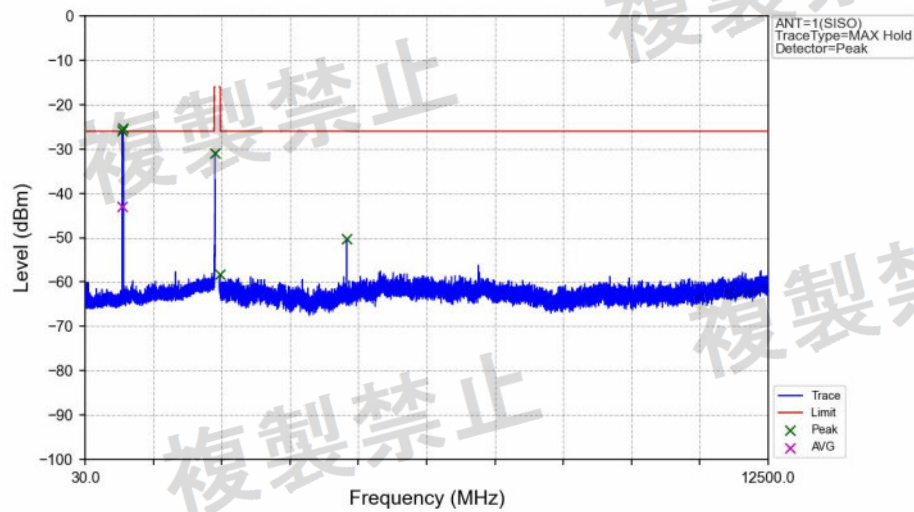


MIC: 219-269023

Pi/4DQPSK_2DH5_2402MHz_Ant1_NTLV

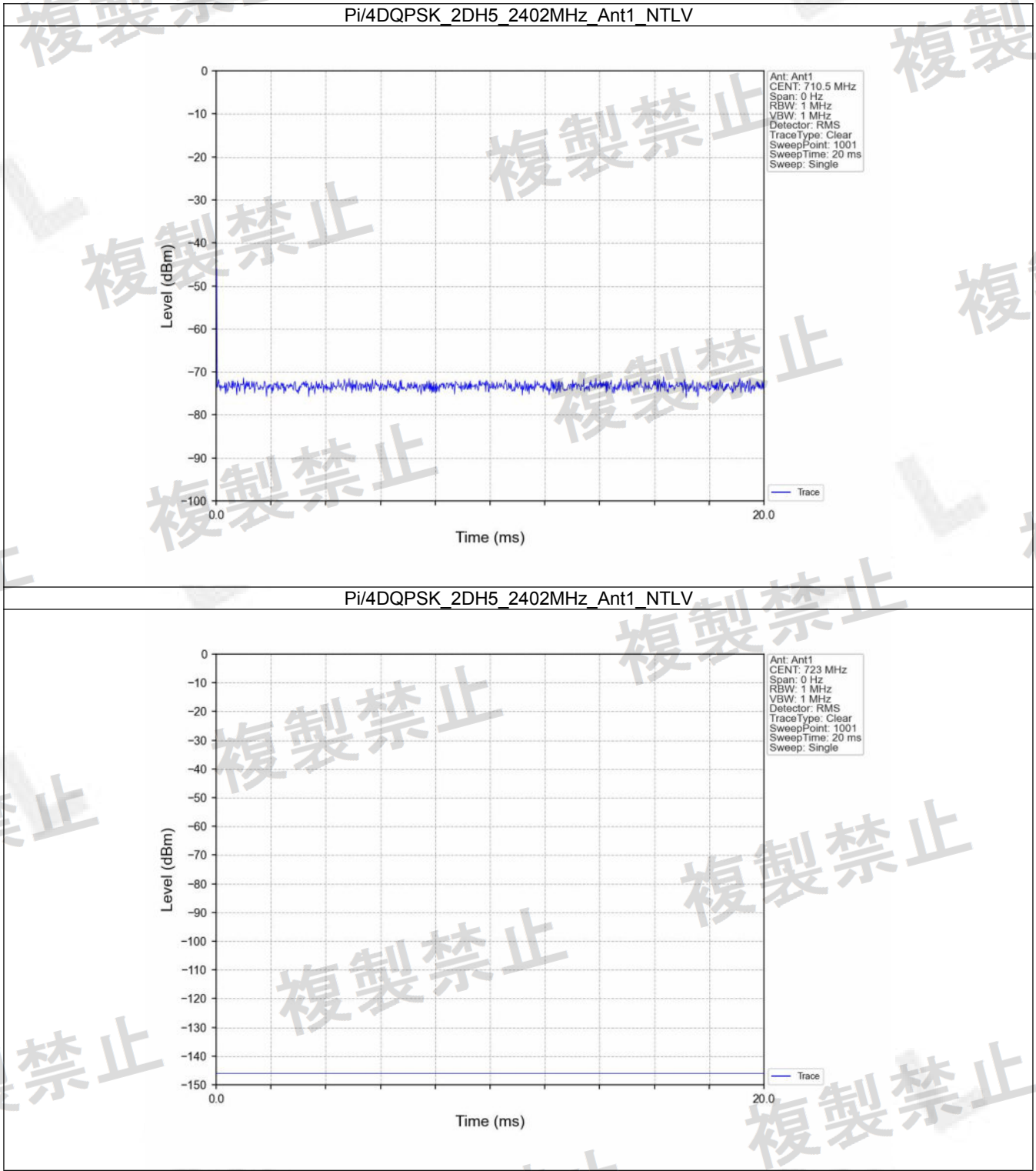


Pi/4DQPSK_2DH5_2402MHz_Ant1_NTLV



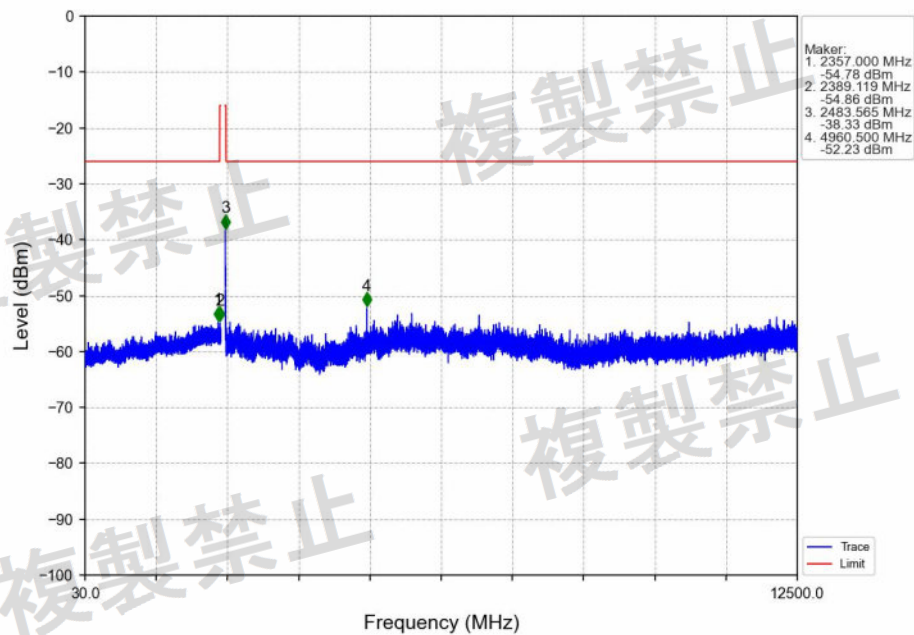
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	710.500	-25.89	-42.97	-26	Pass
30	2387	1	1	723.000	-25.39	-145.86	-26	Pass
2387	2400	1	1	2399.974	-30.90	/	-16	Pass
2483.5	2496.5	1	1	2494.537	-58.34	/	-16	Pass
2496.5	12500	1	1	4804.000	-50.30	/	-26	Pass

MIC: 219-269023

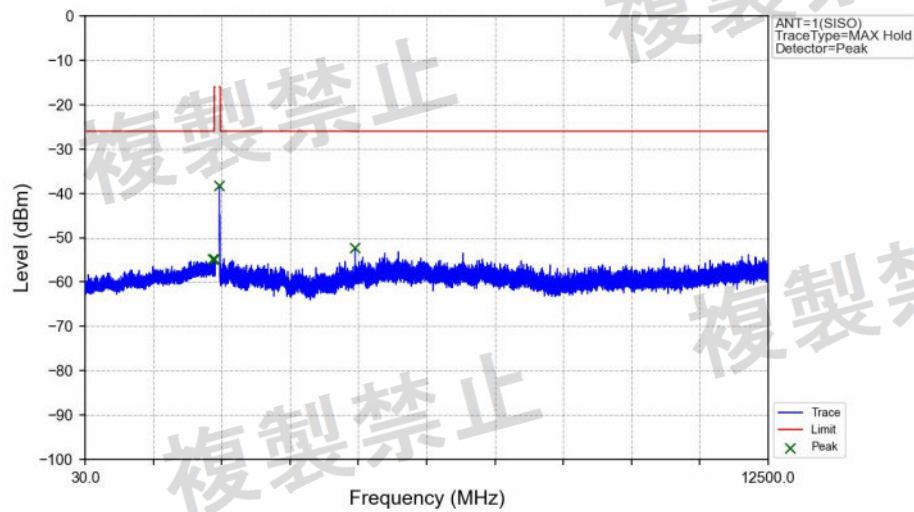


MIC: 219-269023

Pi/4DQPSK_2DH5_2480MHz_Ant1_NTLV



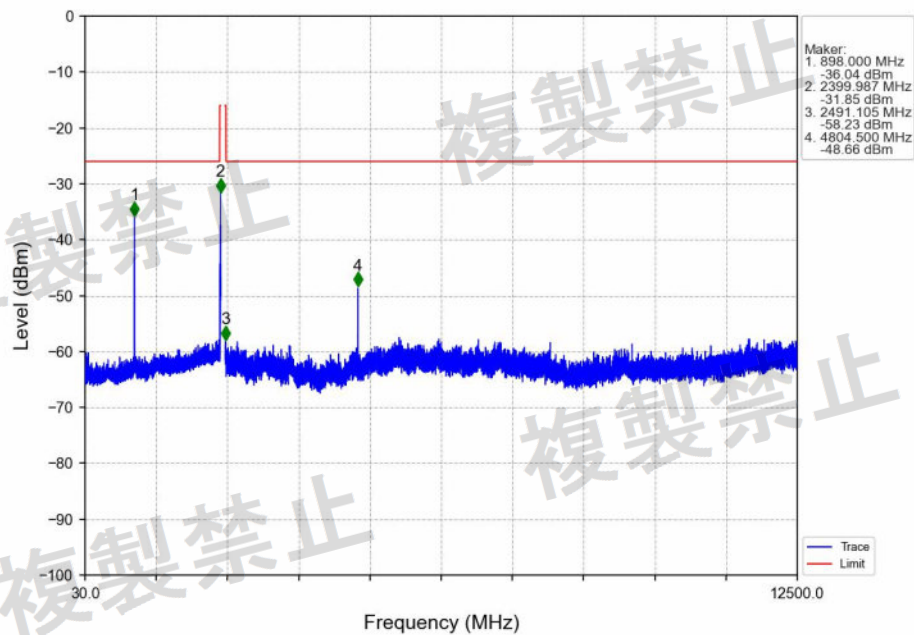
Pi/4DQPSK_2DH5_2480MHz_Ant1_NTLV



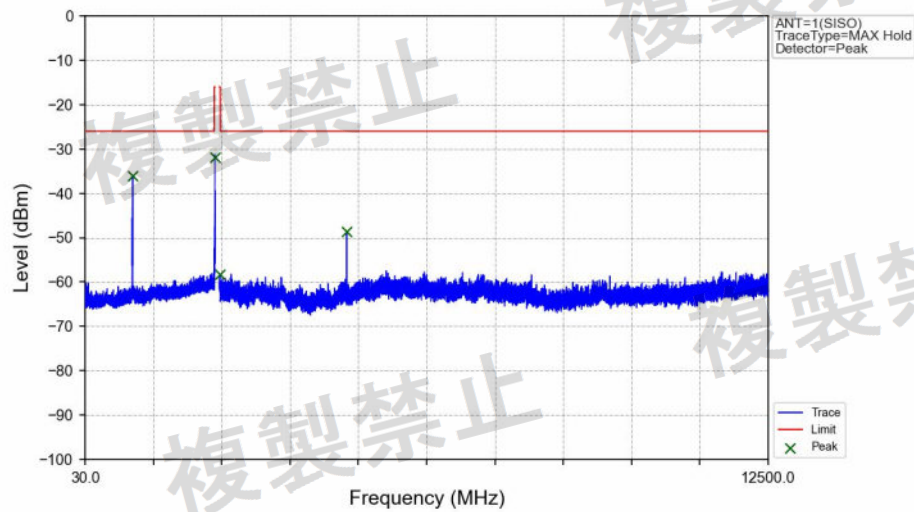
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	2357.000	-54.78	/	-26	Pass
2387	2400	1	1	2389.119	-54.86	/	-16	Pass
2483.5	2496.5	1	1	2483.565	-38.33	/	-16	Pass
2496.5	12500	1	1	4960.500	-52.23	/	-26	Pass

MIC: 219-269023

8DPSK_3DH5_2402MHz_Ant1_NTLV

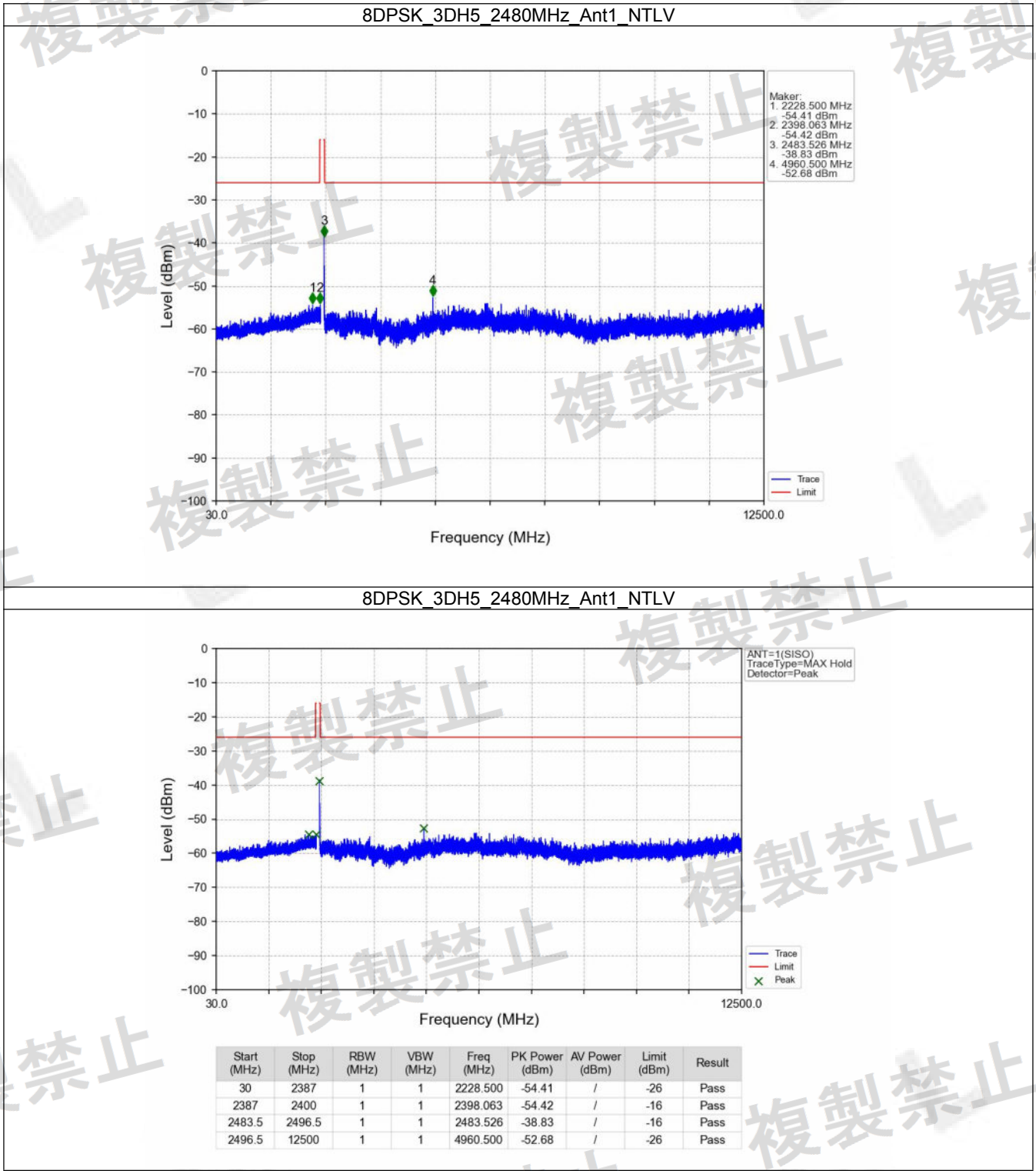


8DPSK_3DH5_2402MHz_Ant1_NTLV



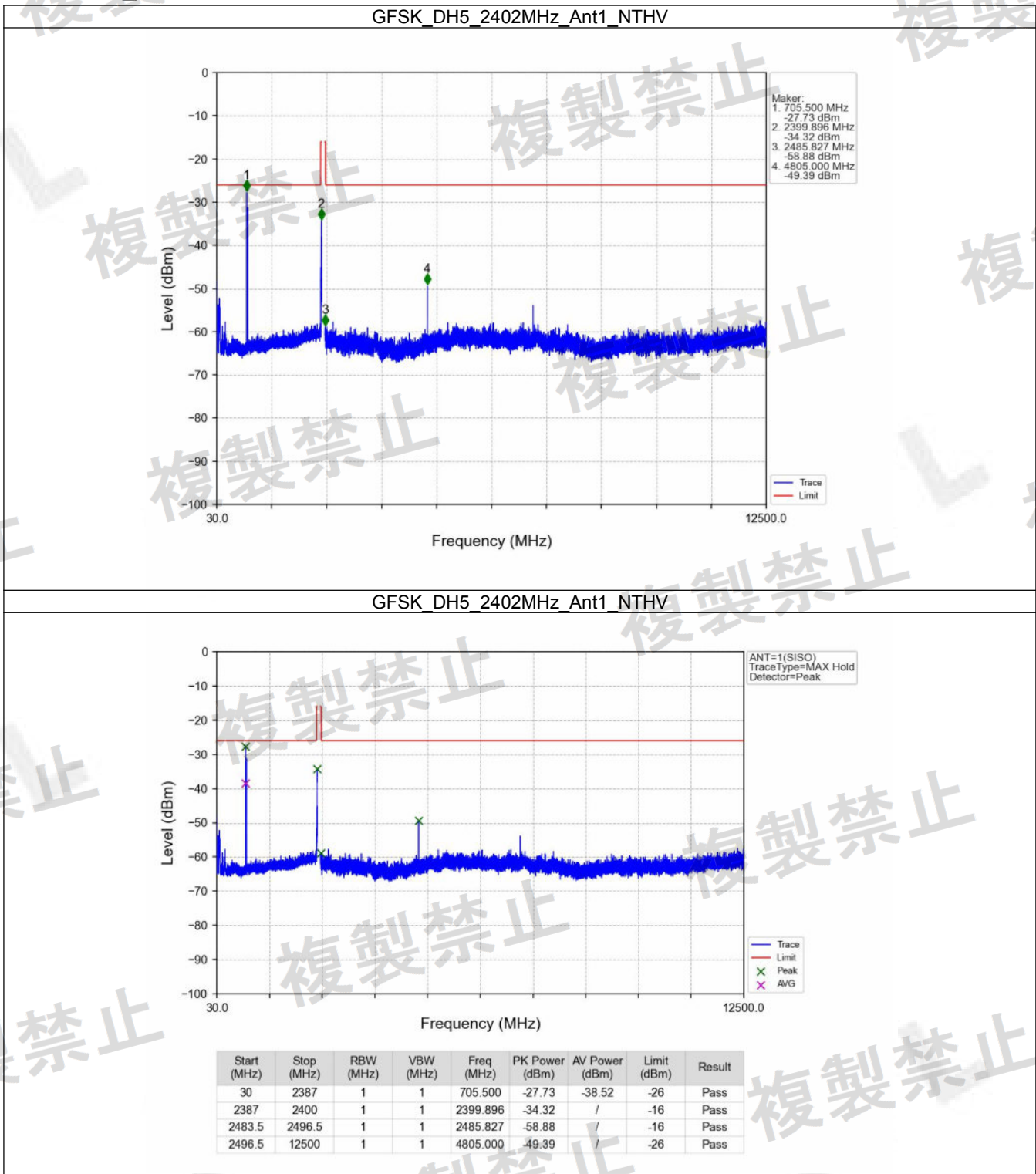
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	898.000	-36.04	/	-26	Pass
2387	2400	1	1	2399.987	-31.85	/	-16	Pass
2483.5	2496.5	1	1	2491.105	-58.23	/	-16	Pass
2496.5	12500	1	1	4804.500	-48.66	/	-26	Pass

MIC: 219-269023

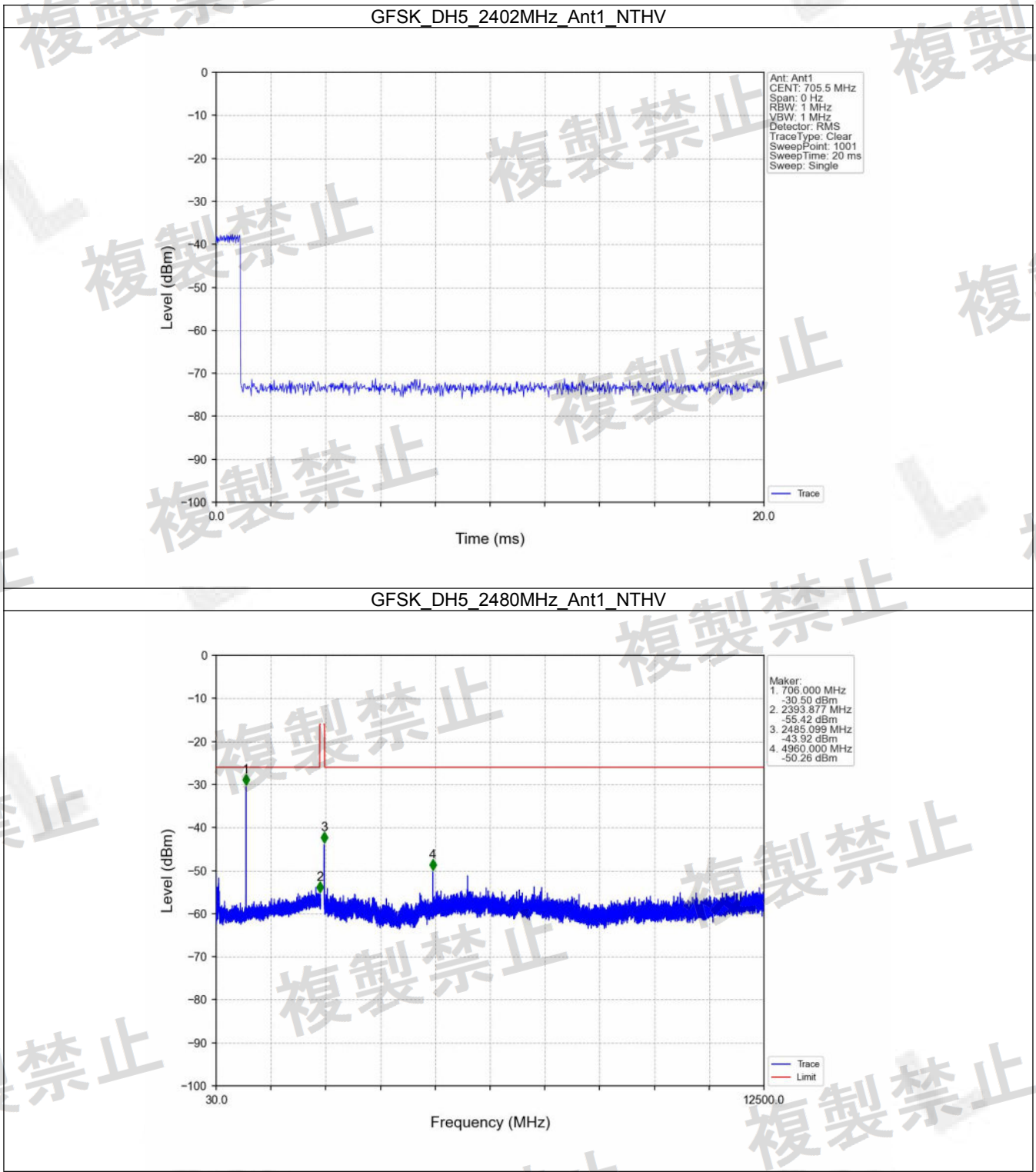


MIC: 219-269023

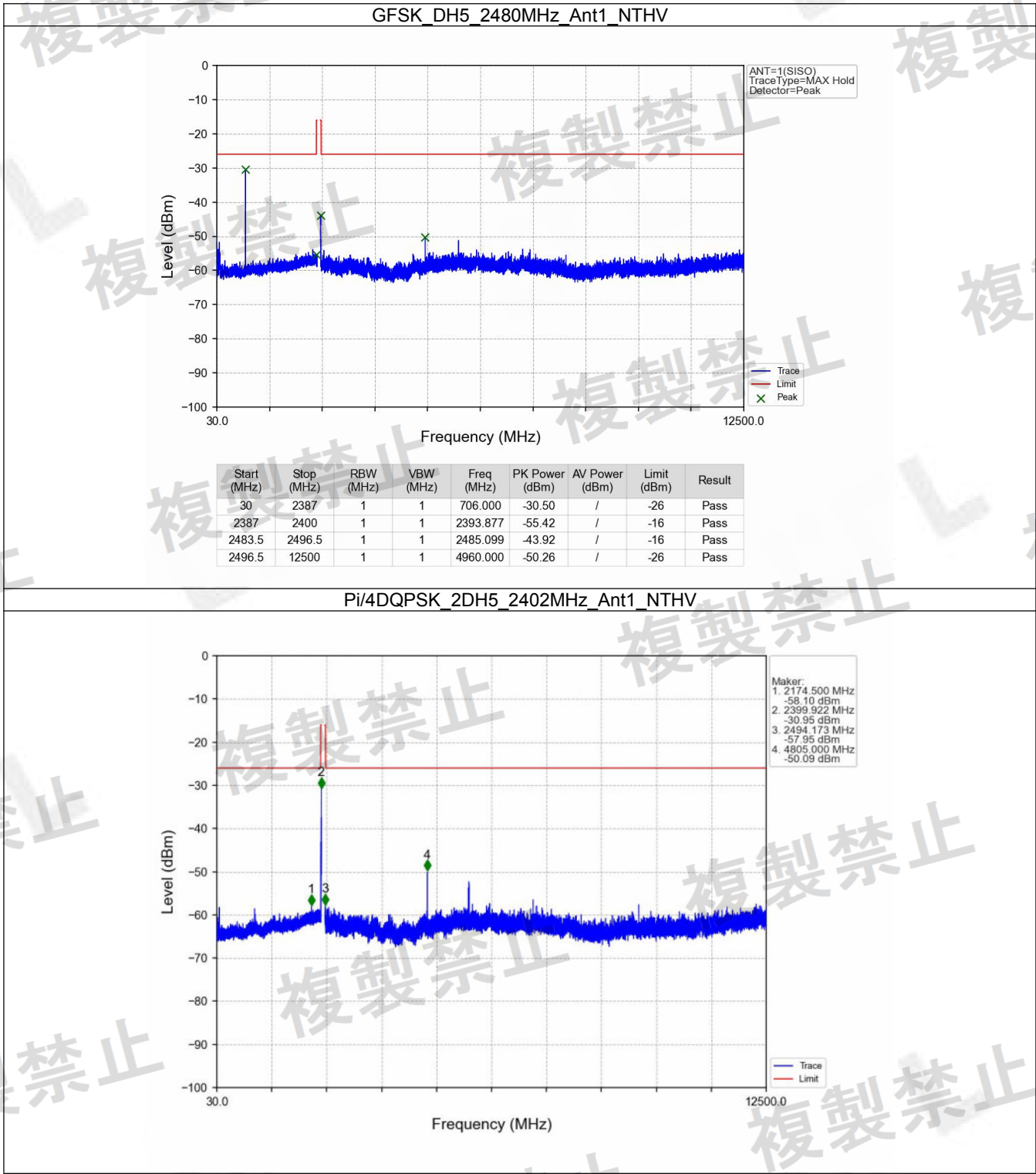
6.2.3 TxSe_NTHV



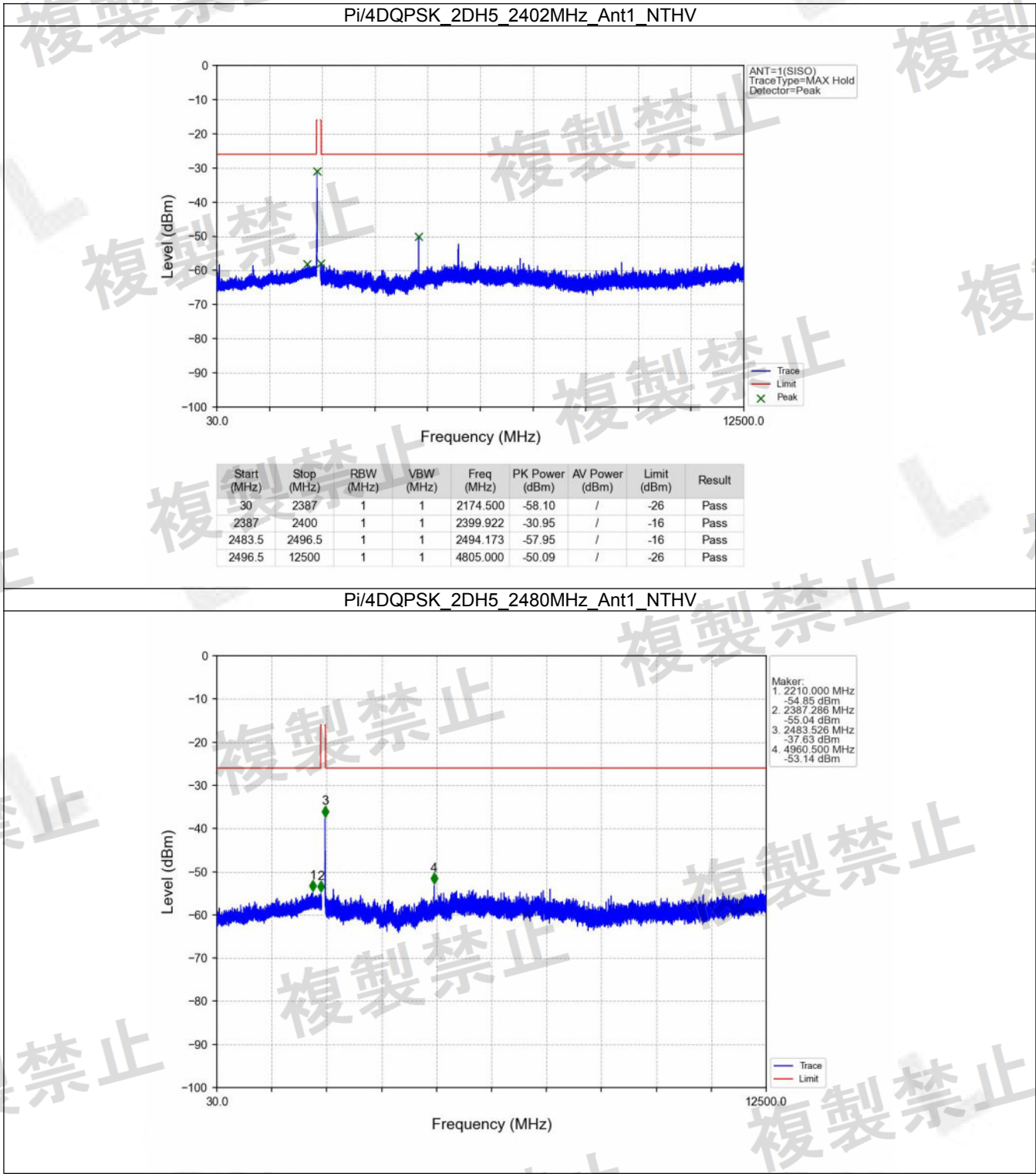
MIC: 219-269023



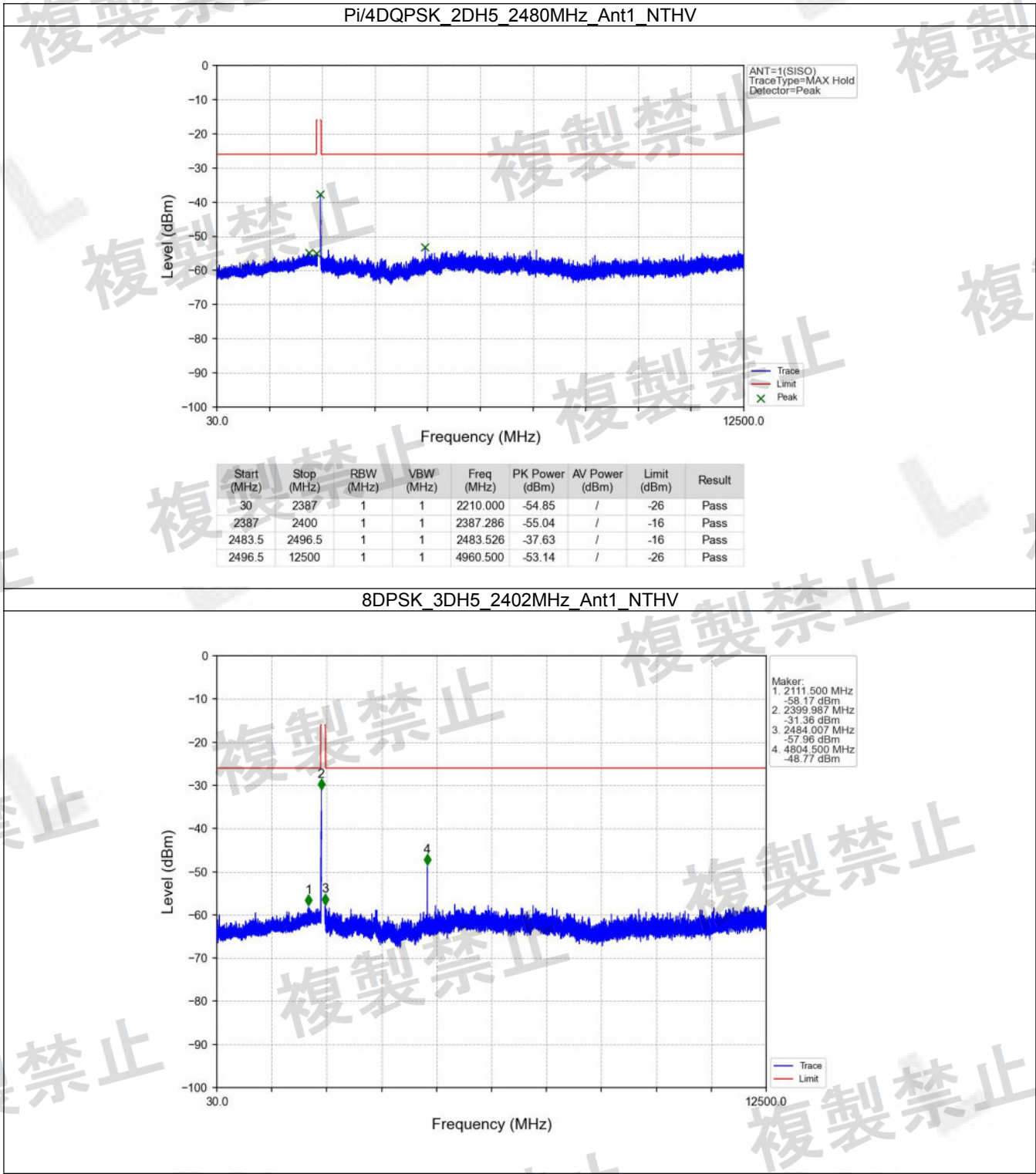
MIC: 219-269023



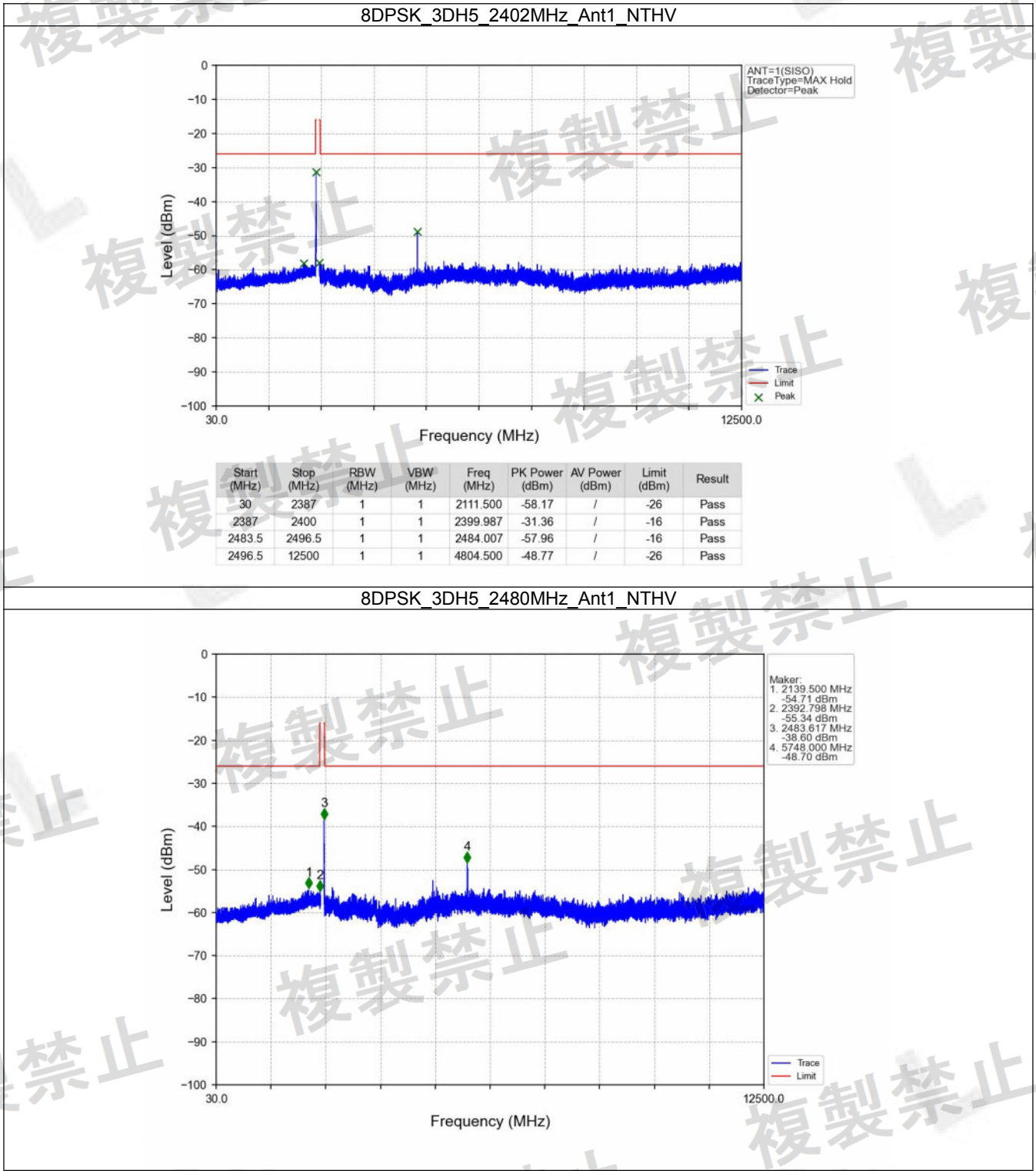
MIC: 219-269023



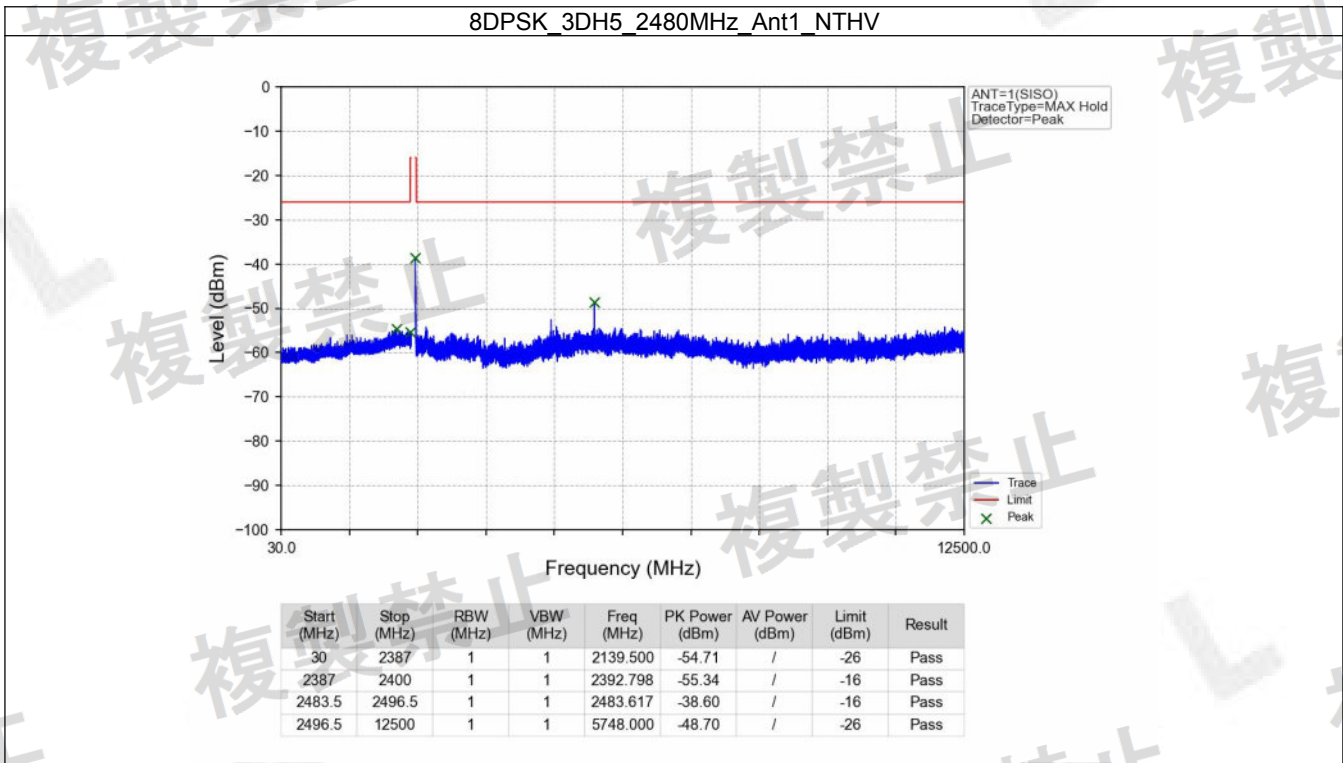
MIC: 219-269023



MIC: 219-269023



MIC: 219-269023



MIC: 219-269023

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	100	-74.85	0.033	/	/	4	Pass
				1000	12500	2464	-62.40	0.575	/	/	20	Pass
		2480	1	30	1000	100	-74.37	0.037	/	/	4	Pass
				1000	12500	2467.5	-55.66	2.716	-76.33	0.023	20	Pass
Pi/4DQPSK	SISO	2402	1	30	1000	100	-74.55	0.035	/	/	4	Pass
				1000	12500	2459.5	-54.14	3.855	-76.14	0.024	20	Pass
						2464.5	-48.10	15.488	-76.05	0.025	20	Pass
						2469	-54.66	3.420	-54.14	3.855	20	Pass
		2480	1	30	1000	100	-75.56	0.028	/	/	4	Pass
				1000	12500	2461	-49.79	10.495	-76.45	0.023	20	Pass
						2466.5	-52.78	5.272	-76.50	0.022	20	Pass
						2470.5	-56.18	2.410	-73.34	0.046	20	Pass
8DPSK	SISO	2402	1	30	1000	100	-73.94	0.040	/	/	4	Pass
				1000	12500	2460	-49.20	12.023	-76.24	0.024	20	Pass
						2464	-46.20	23.988	-54.26	3.750	20	Pass
						2468	-55.57	2.773	-70.30	0.093	20	Pass
		2480	1	30	1000	905.2	-59.51	1.119	-89.46	0.001	4	Pass
				1000	12500	2461	-46.59	21.928	-48.44	14.322	20	Pass
						2466	-51.70	6.761	-68.49	0.142	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	87.2	-75.88	0.026	/	/	4	Pass
				1000	12500	2458	-48.89	12.912	-64.32	0.370	20	Pass
						2461	-52.48	5.649	-76.20	0.024	20	Pass
						2466.5	-55.38	2.897	-76.29	0.023	20	Pass
						2469.5	-47.34	18.450	-50.36	9.204	20	Pass
		2480	1	30	1000	100	-74.05	0.039	/	/	4	Pass
				1000	12500	2461.5	-53.48	4.487	-76.78	0.021	20	Pass
						2467	-51.65	6.839	-67.50	0.178	20	Pass
Pi/4DQPSK	SISO	2402	1	30	1000	721.55	-49.37	11.561	-89.44	0.001	4	Pass
				1000	12500	898.1	-53.63	4.335	-88.99	0.001	4	Pass
						2470	-56.53	2.223	-76.22	0.024	20	Pass
		2480	1	30	1000	100	-73.41	0.046	/	/	4	Pass
				1000	12500	2460	-48.94	12.764	-76.60	0.022	20	Pass
						2464	-52.35	5.821	-54.75	3.350	20	Pass
						2468	-56.90	2.042	-76.51	0.022	20	Pass
8DPSK	SISO	2402	1	30	1000	722.25	-55.96	2.535	-89.36	0.001	4	Pass
				1000	12500	2457	-56.78	2.099	-57.62	1.730	20	Pass
						2461	-44.92	32.211	-76.13	0.024	20	Pass
						2465	-49.58	11.015	-53.05	4.955	20	Pass
						2469	-53.28	4.699	-76.38	0.023	20	Pass

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	2480	1	30	1000	100	-73.22	0.048	/	/	4	Pass
			1000	12500	11682	-62.69	0.538	/	/	20	Pass

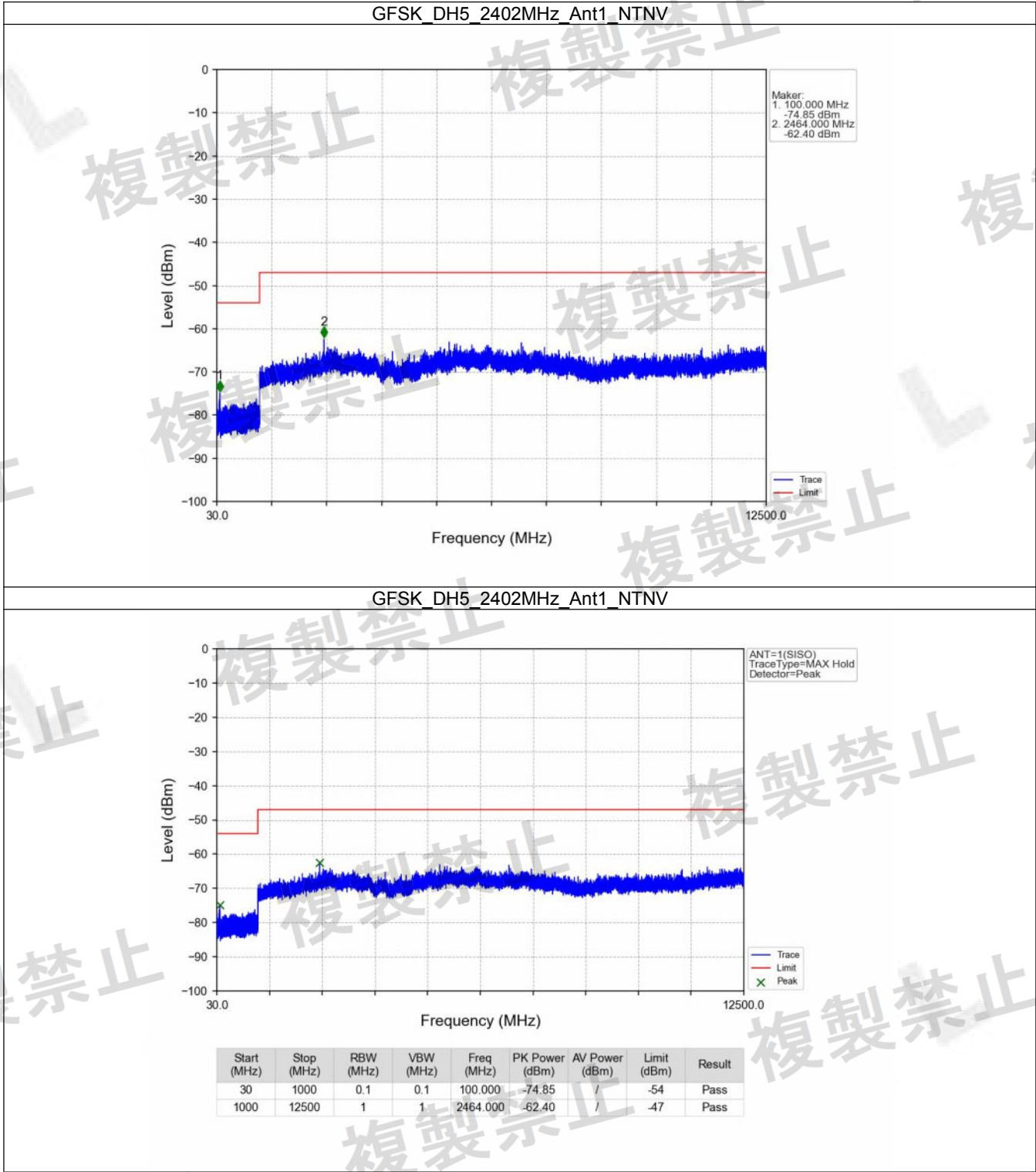
7.1.3 RxSe_NTHV

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	100	-74.47	0.036	/	/	4	Pass
				1000	12500	2460	-52.62	5.470	-76.21	0.024	20	Pass
						2463	-52.93	5.093	-58.36	1.459	20	Pass
						2468.5	-55.72	2.679	-75.22	0.030	20	Pass
		2480	1	30	1000	100	-74.78	0.033	/	/	4	Pass
				1000	12500	2461	-52.45	5.689	-69.68	0.108	20	Pass
						2468	-54.28	3.733	-76.36	0.023	20	Pass
Pi/4DQPSK	SISO	2402	1	30	1000	86.15	-75.54	0.028	/	/	4	Pass
				1000	12500	12141	-63.54	0.443	/	/	20	Pass
		2480	1	30	1000	705.15	-50.03	9.931	-89.85	0.001	4	Pass
				1000	12500	731.55	-56.14	2.432	-89.45	0.001	4	Pass
						2460	-54.06	3.926	-76.17	0.024	20	Pass
						2465	-51.23	7.534	-55.70	2.692	20	Pass
						2469.5	-55.52	2.805	-71.06	0.078	20	Pass
8DPSK	SISO	2402	1	30	1000	100	-73.48	0.045	/	/	4	Pass
				1000	12500	2460	-48.85	13.032	-76.04	0.025	20	Pass
						2464.5	-48.77	13.274	-75.93	0.026	20	Pass
						2470	-56.23	2.382	-71.58	0.070	20	Pass
		2480	1	30	1000	100	-75.29	0.030	/	/	4	Pass
				1000	12500	2455	-52.01	6.295	-76.39	0.023	20	Pass
						2459.5	-48.85	13.032	-76.35	0.023	20	Pass
						2464	-50.11	9.750	-73.66	0.043	20	Pass
				2469	-42.51	56.105	-76.66	0.022	20	Pass		

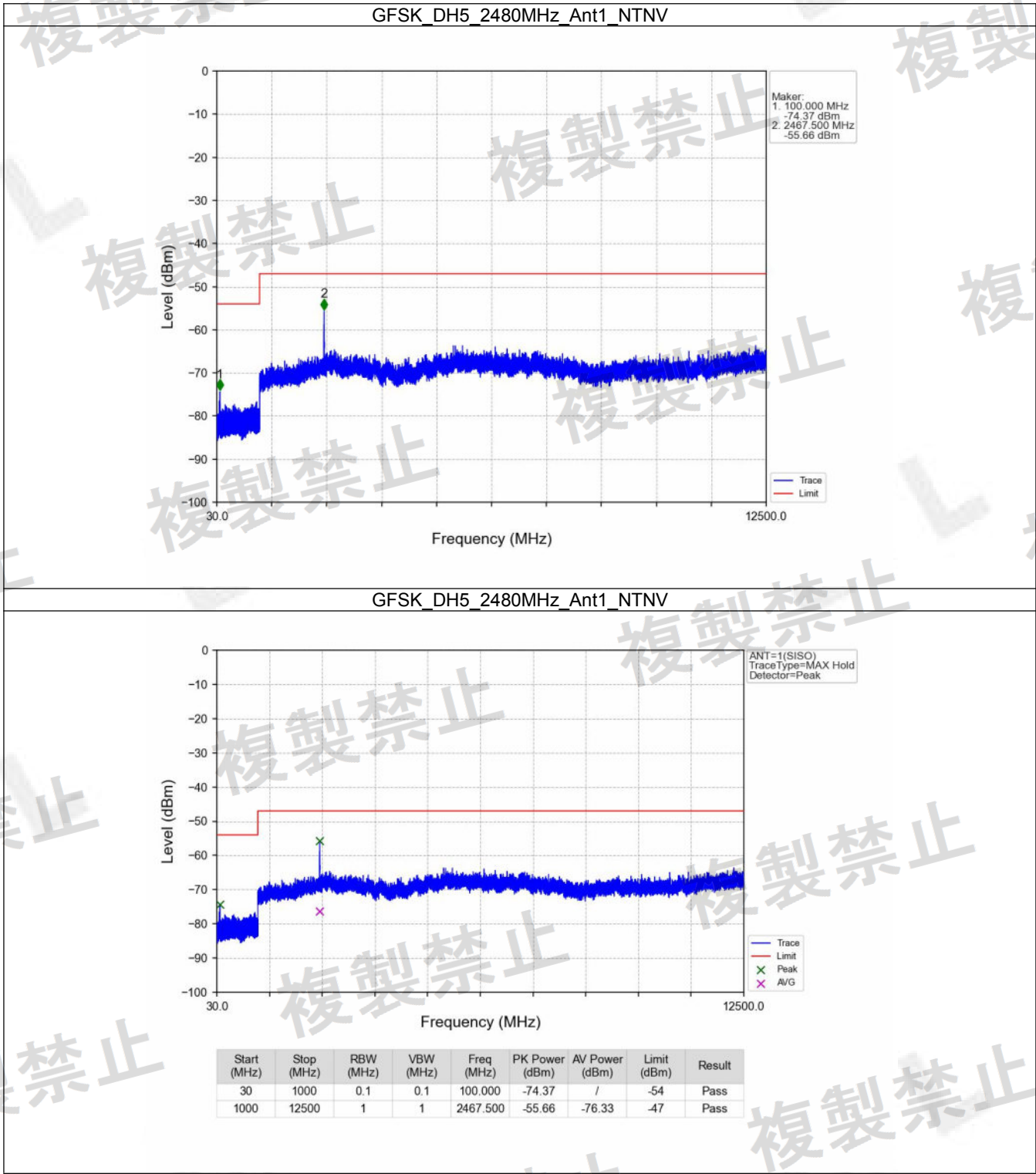
MIC: 219-269023

7.2 Test Graph

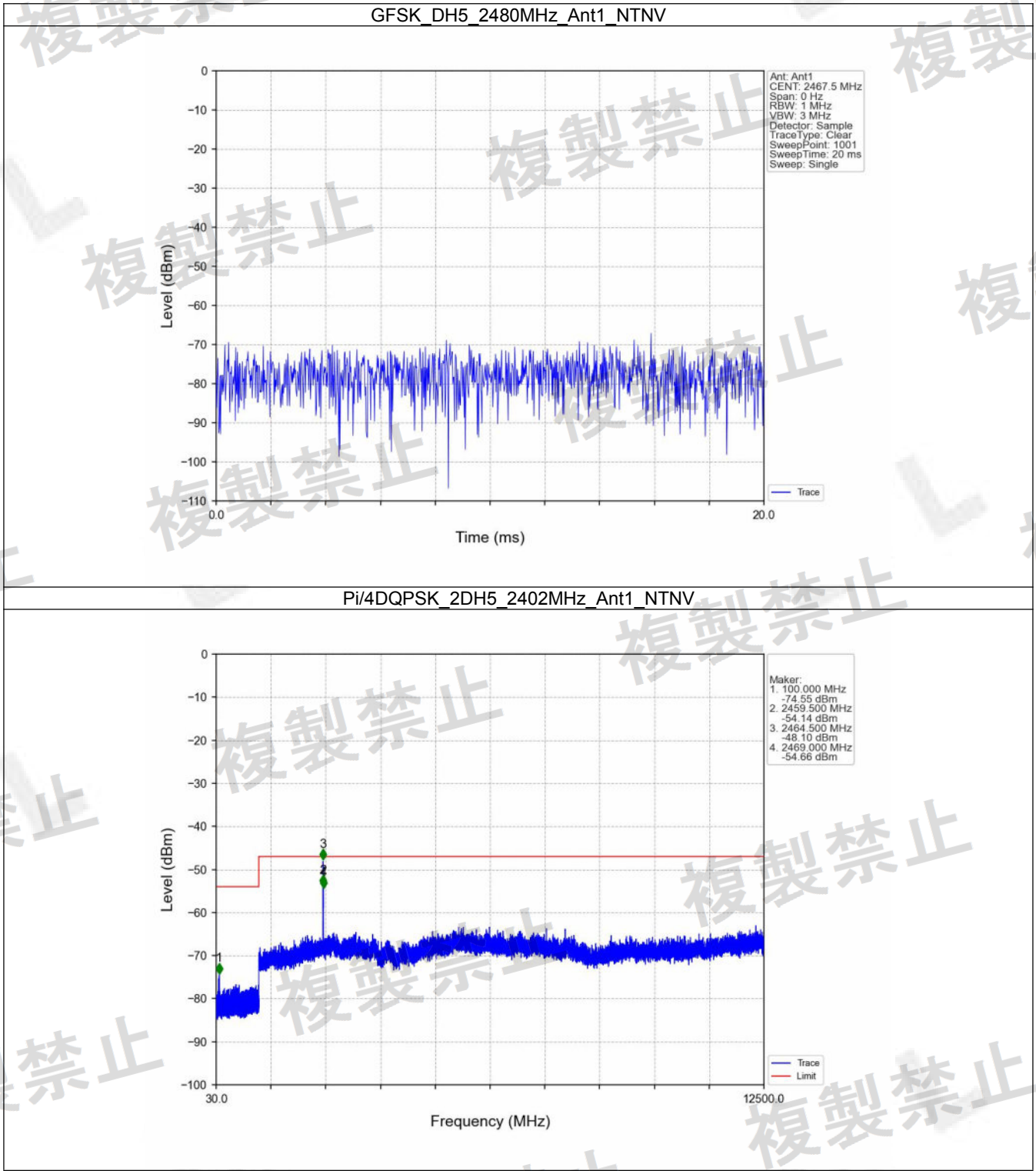
7.2.1 RxSe_NTNV



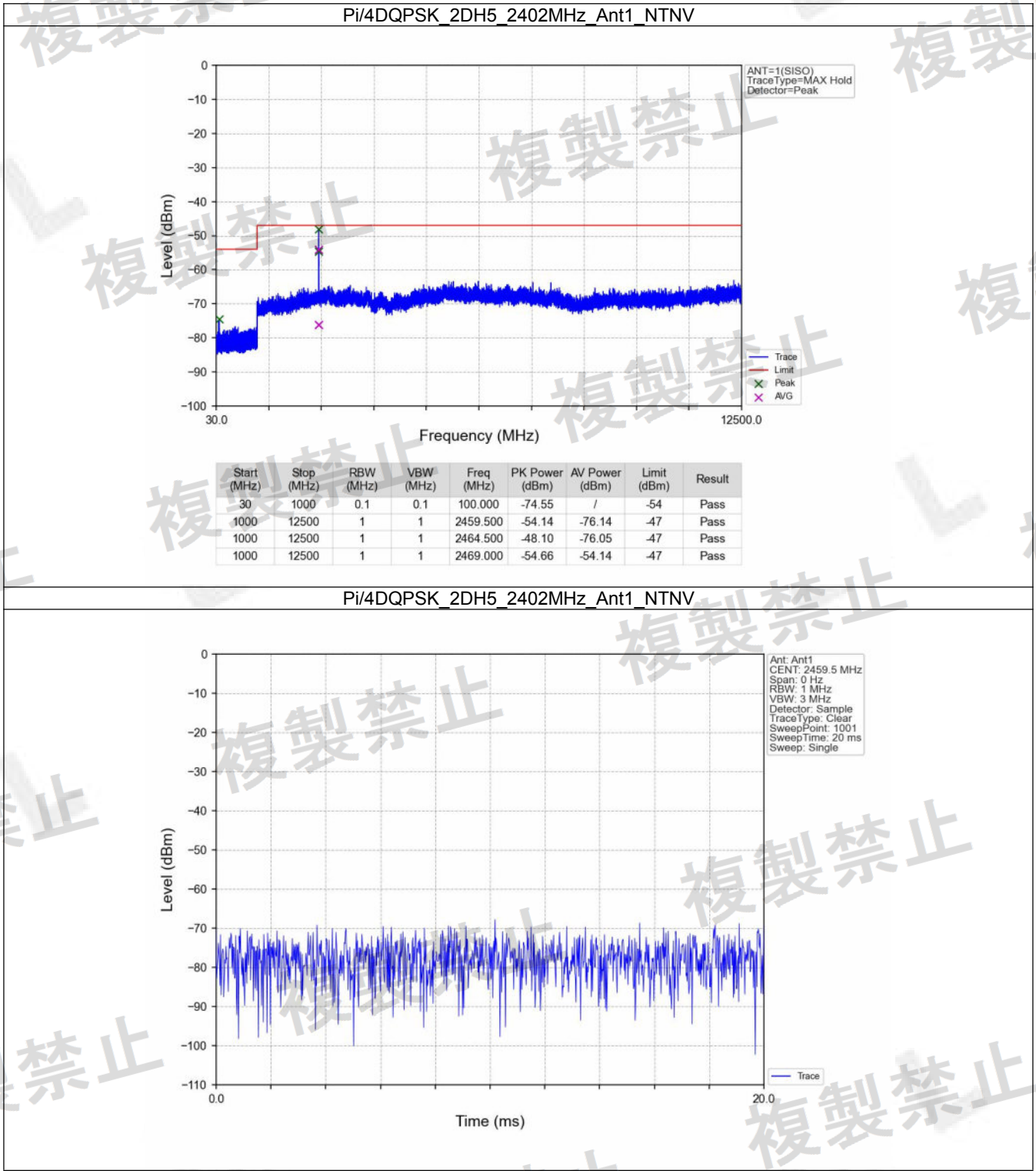
MIC: 219-269023



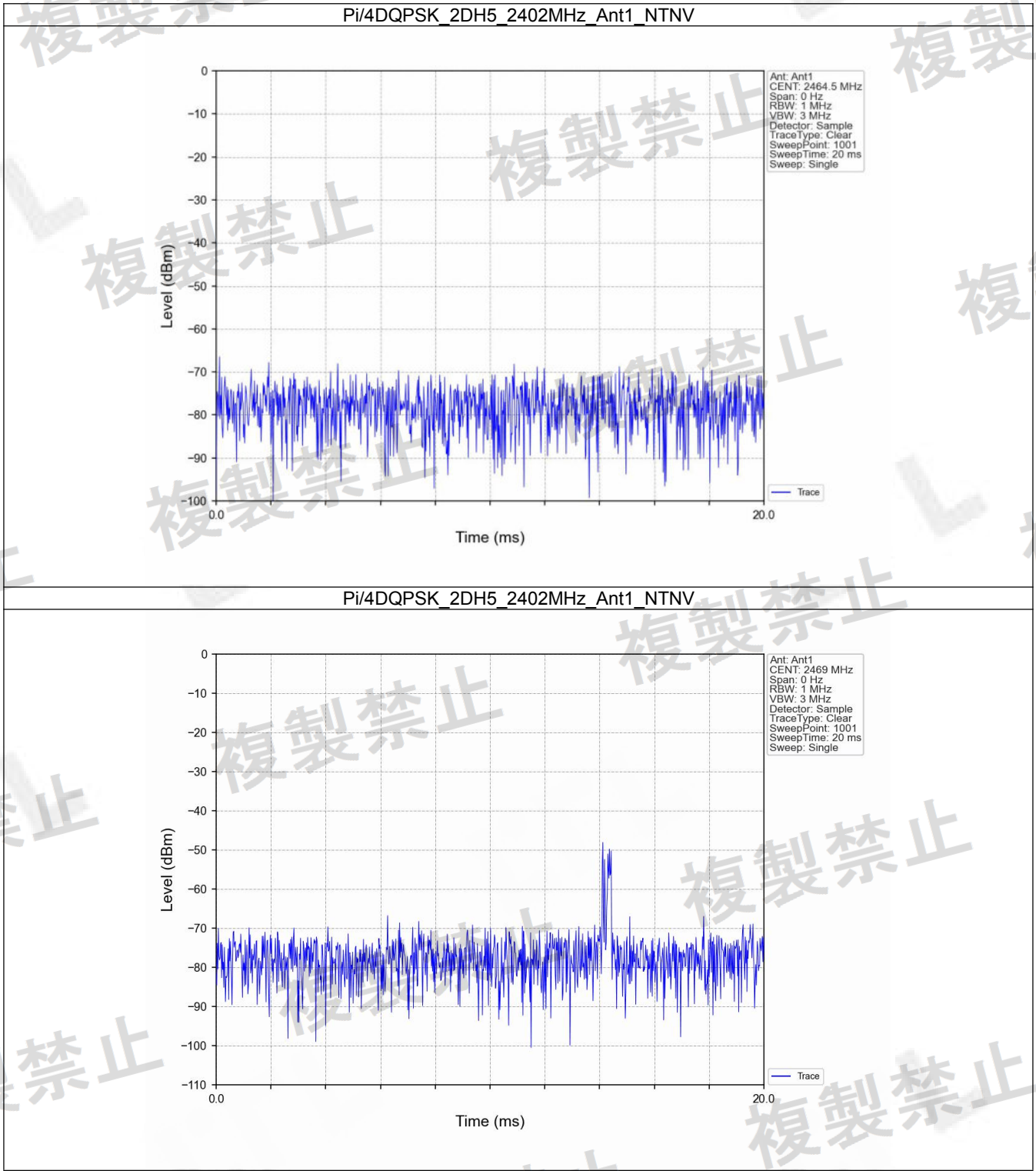
MIC: 219-269023



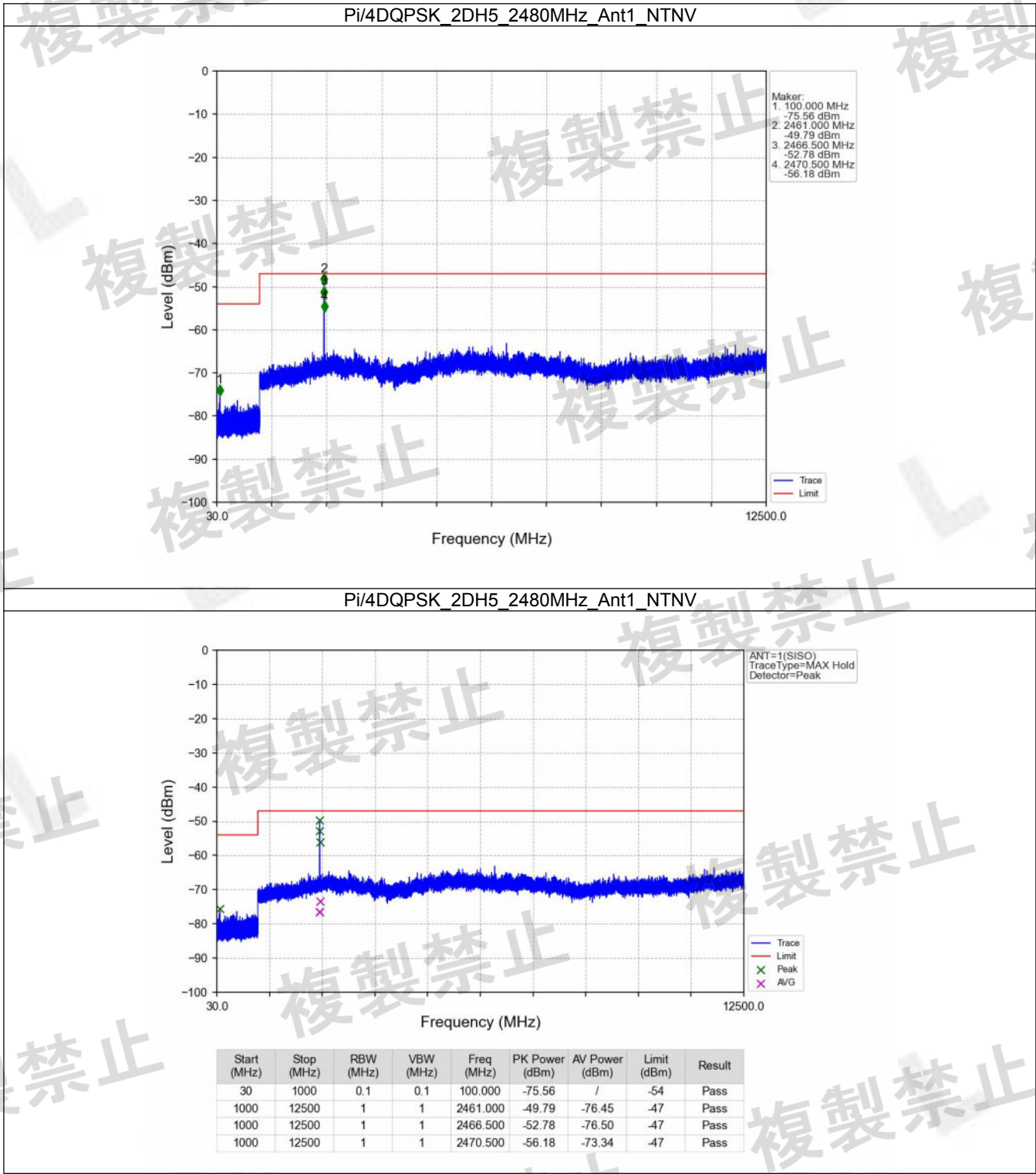
MIC: 219-269023



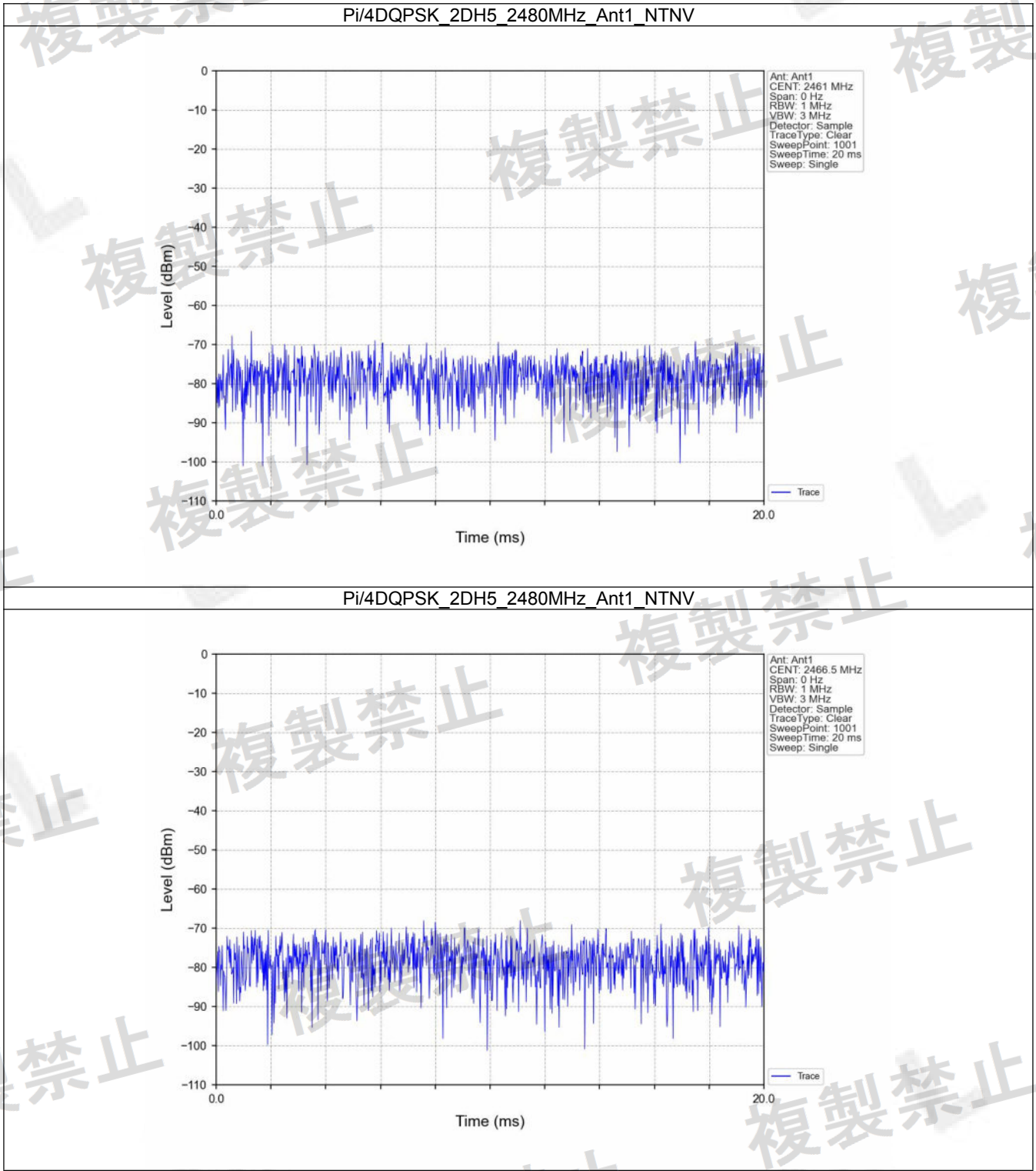
MIC: 219-269023



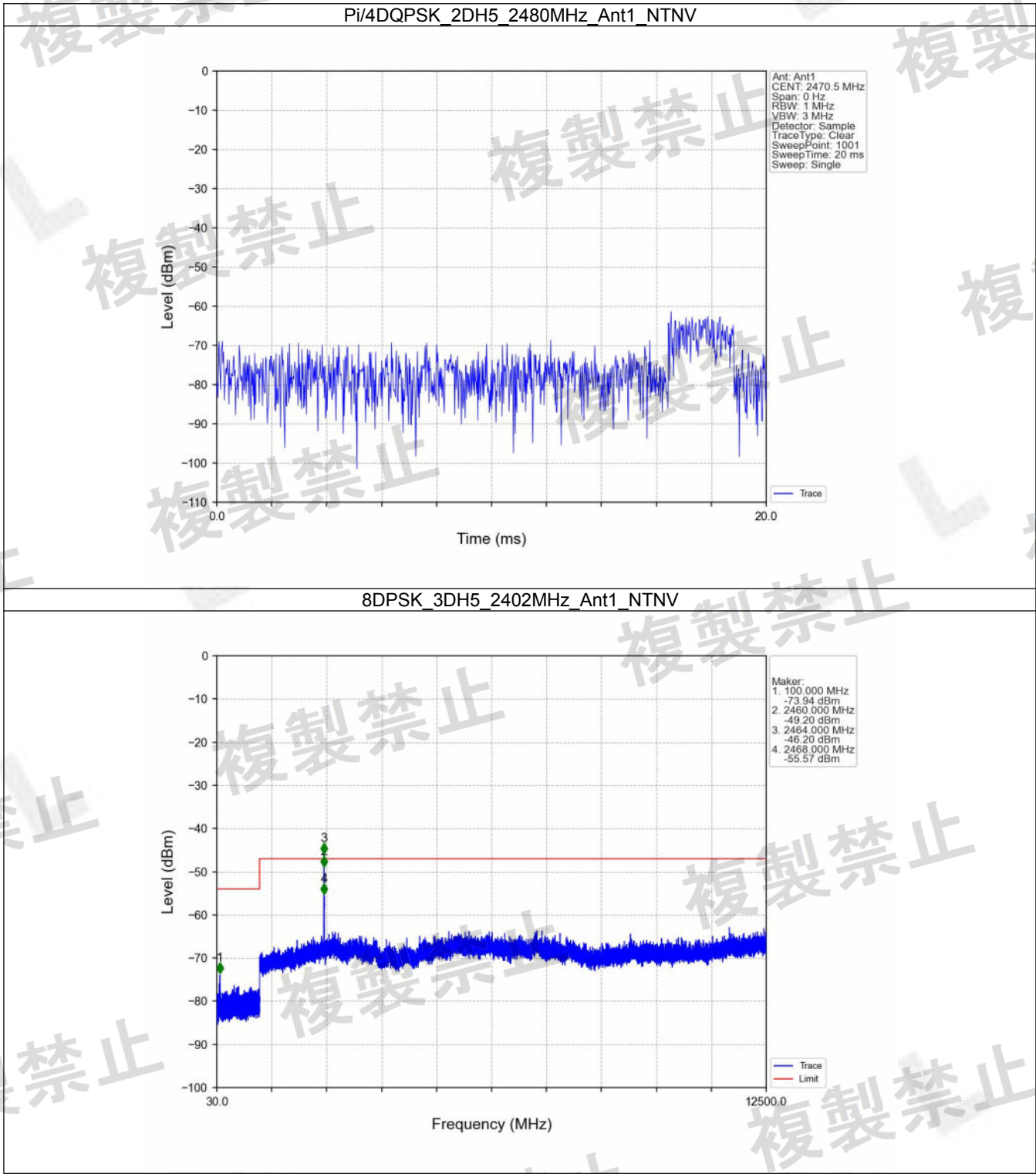
MIC: 219-269023



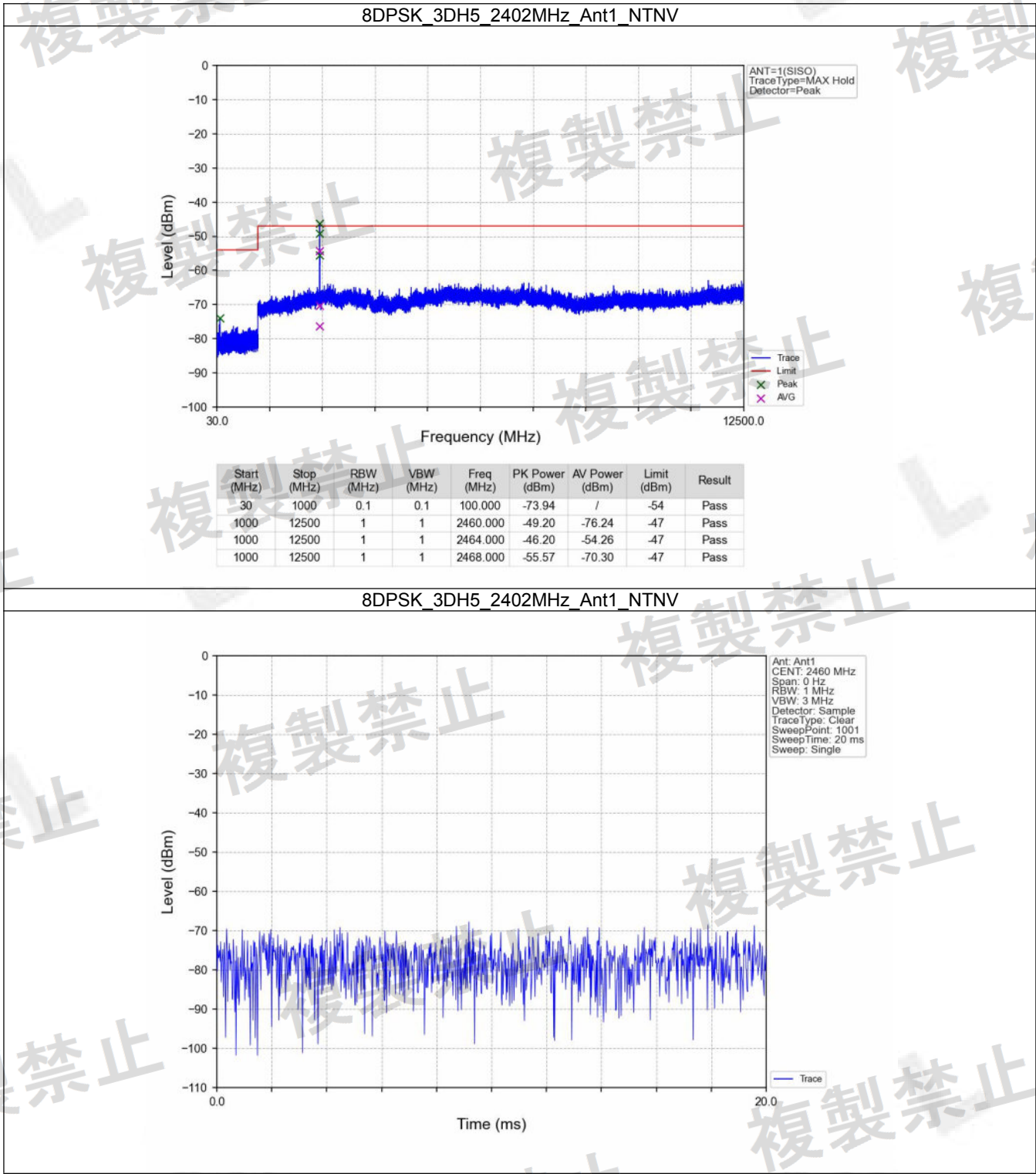
MIC: 219-269023



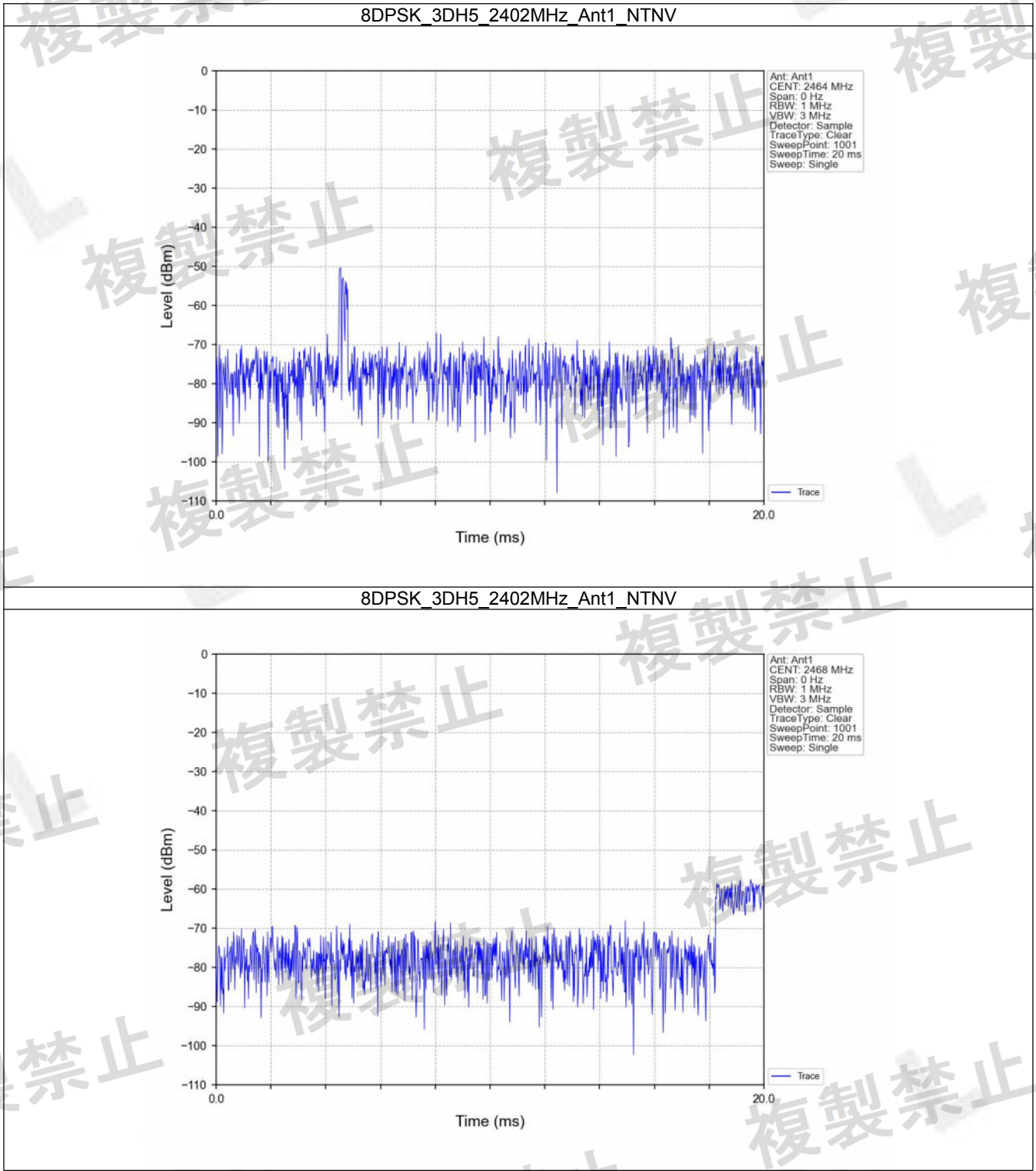
MIC: 219-269023



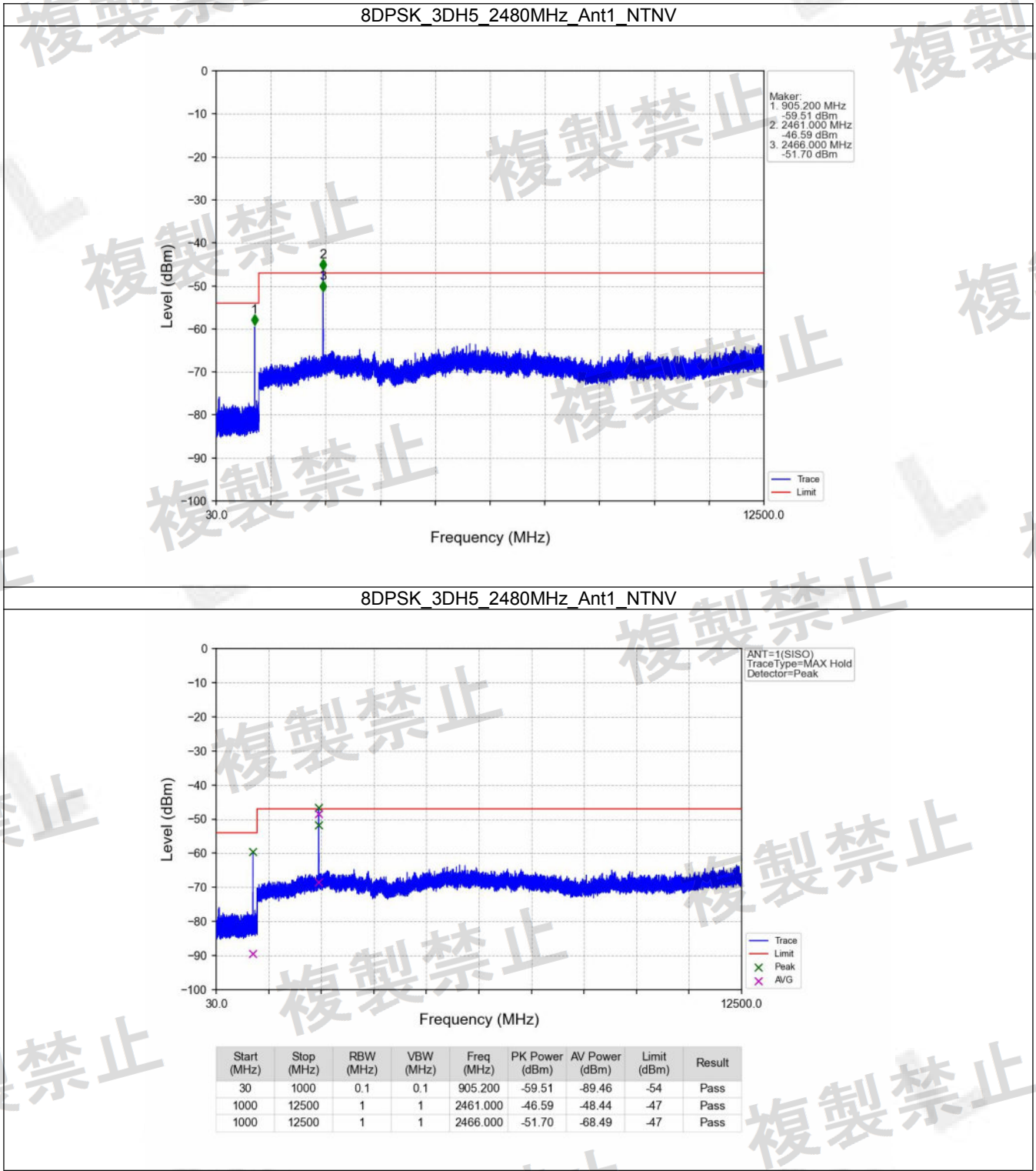
MIC: 219-269023



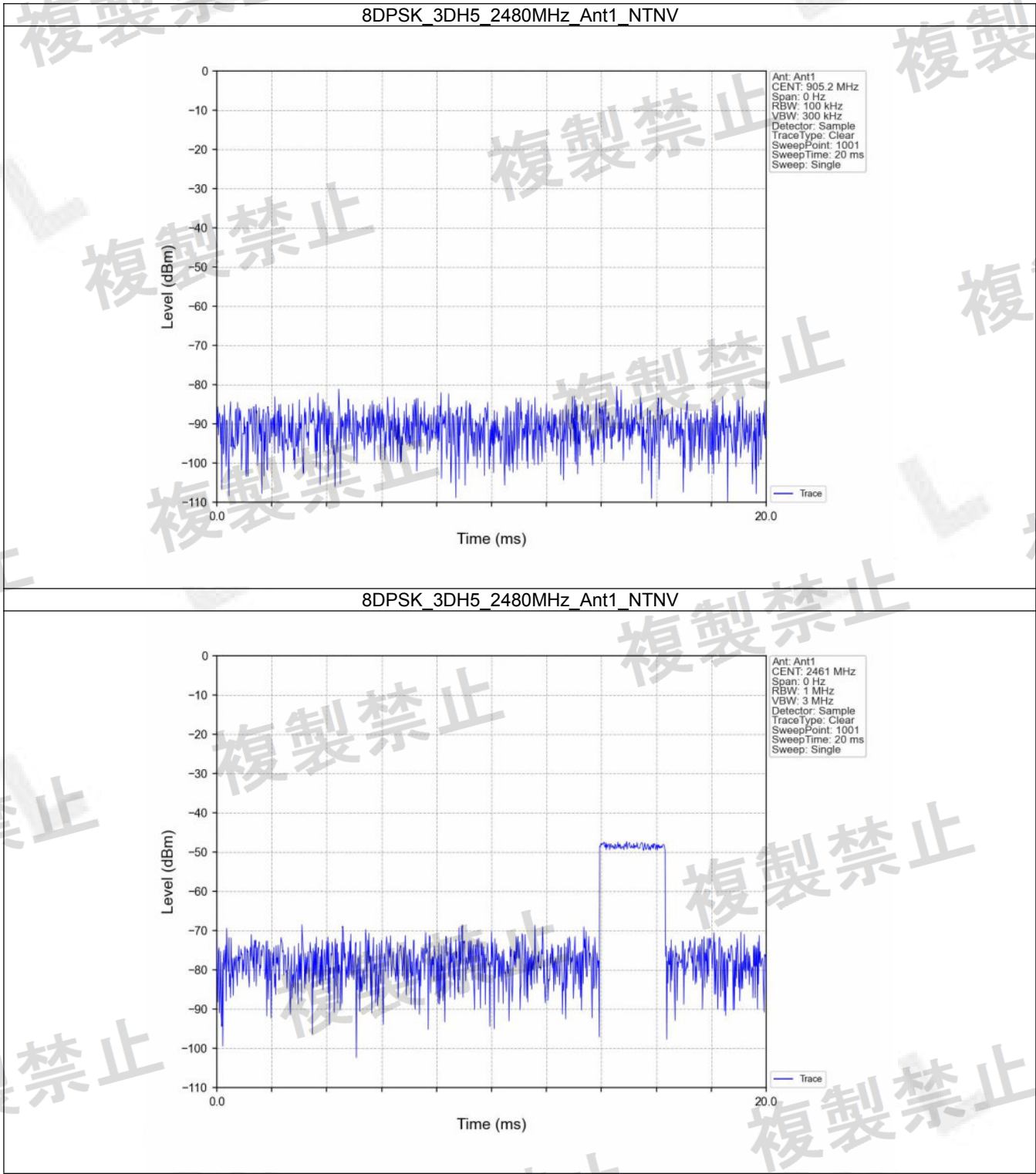
MIC: 219-269023



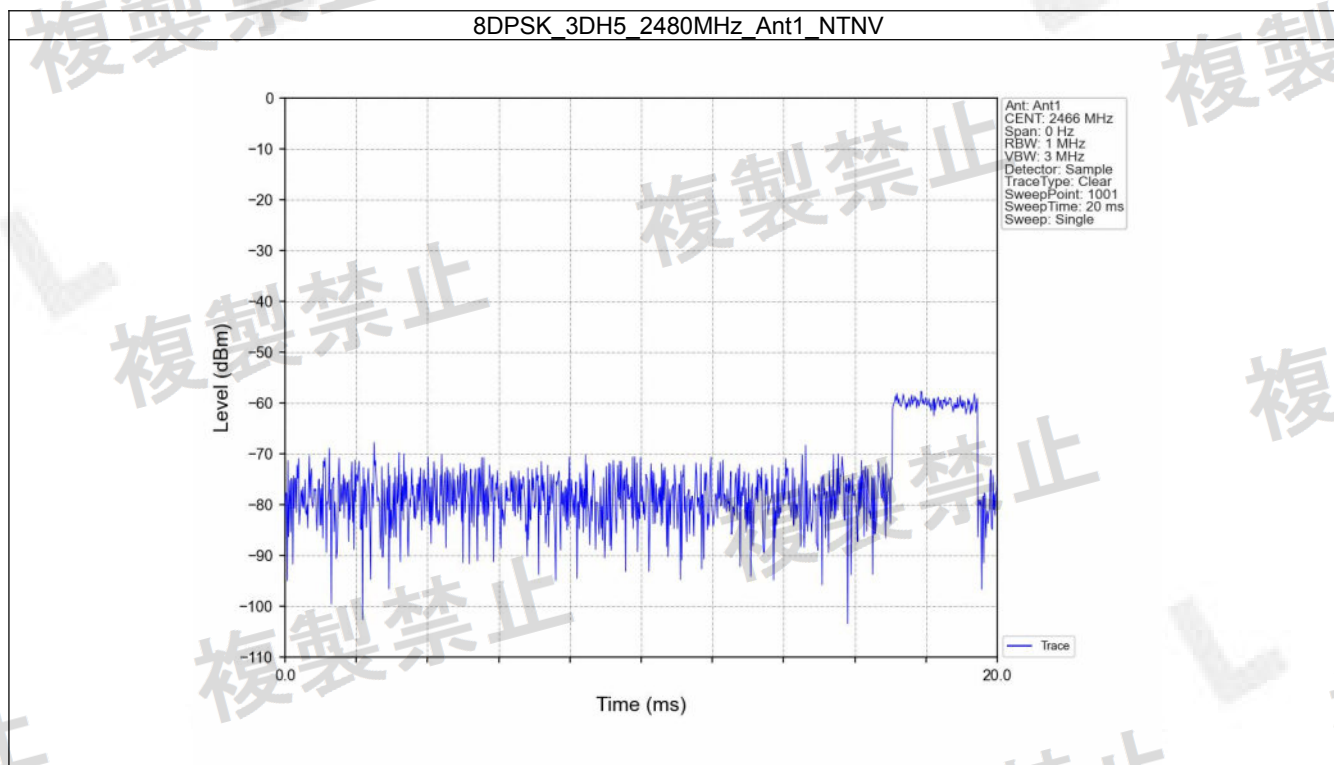
MIC: 219-269023



MIC: 219-269023

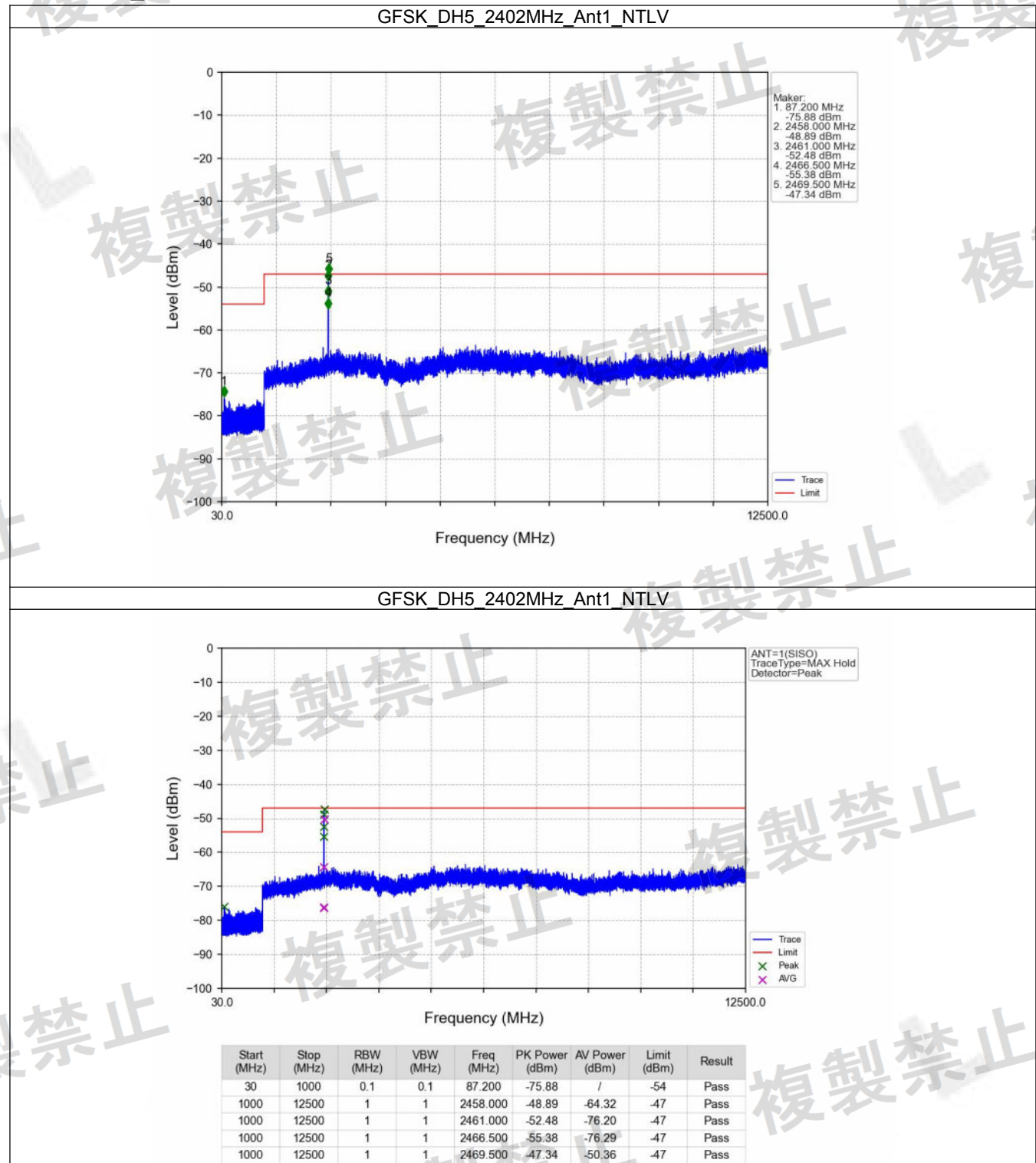


MIC: 219-269023



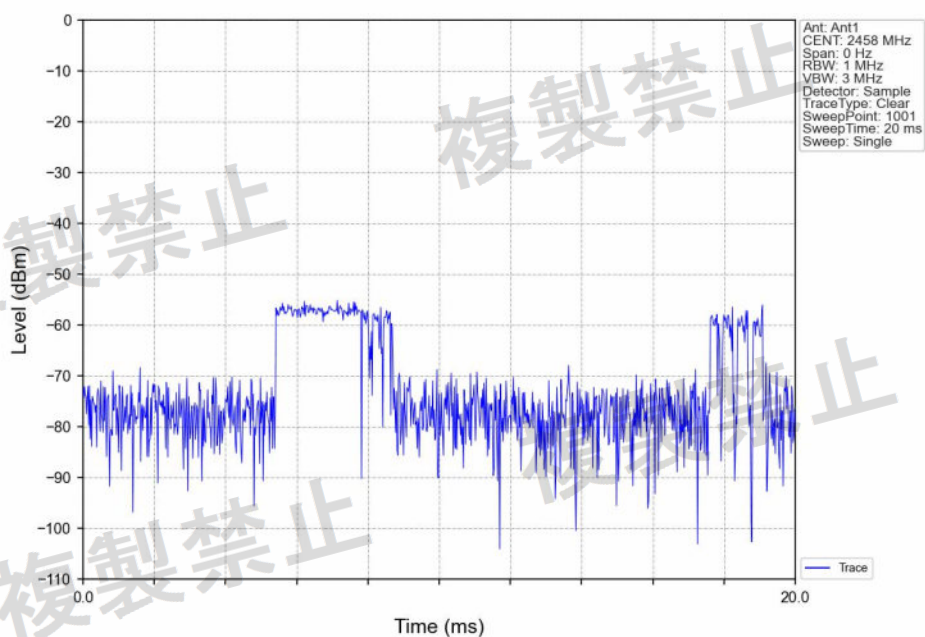
MIC: 219-269023

7.2.2 RxSe_NTLV

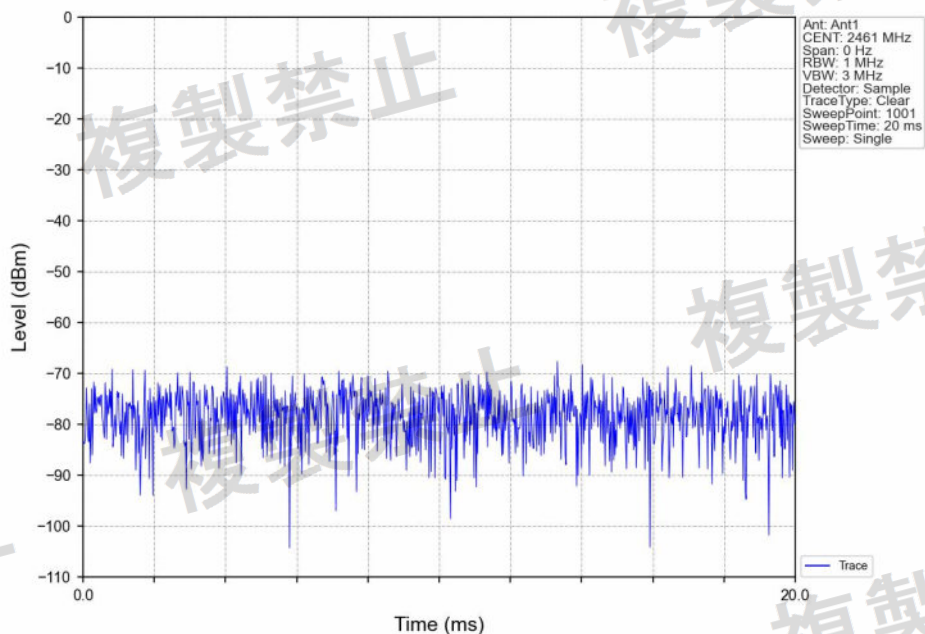


MIC: 219-269023

GFSK_DH5_2402MHz_Ant1_NTLV

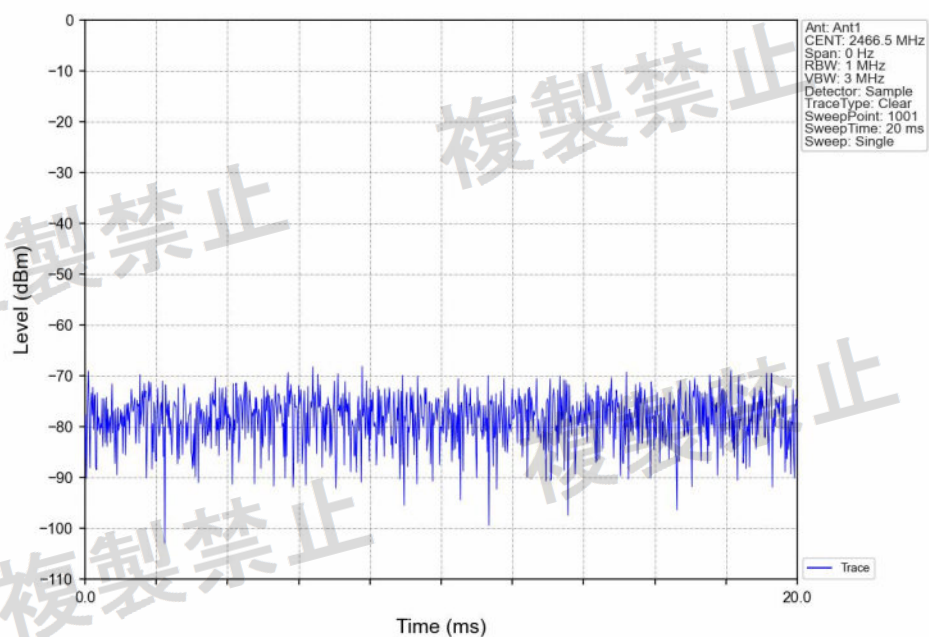


GFSK_DH5_2402MHz_Ant1_NTLV

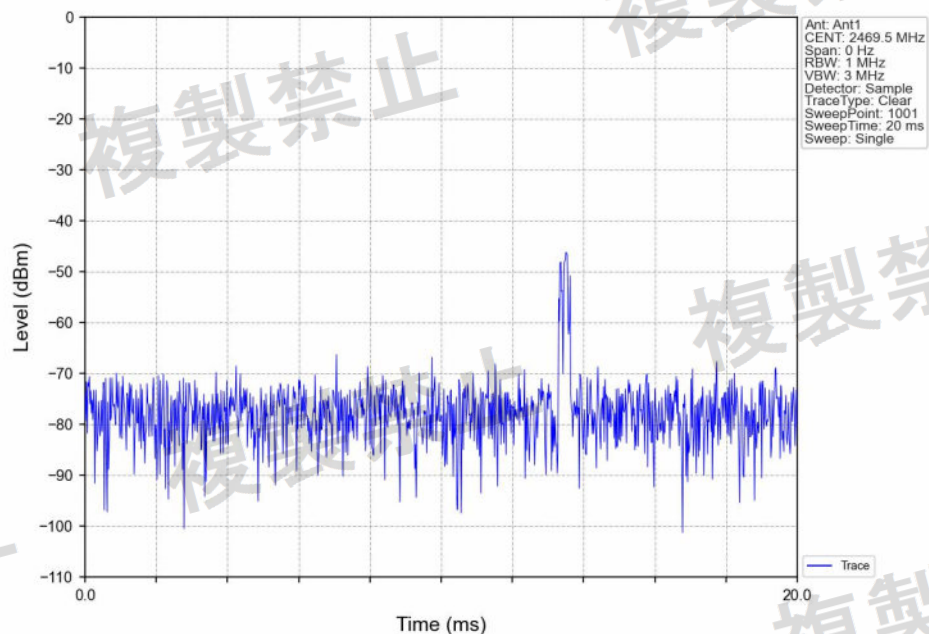


MIC: 219-269023

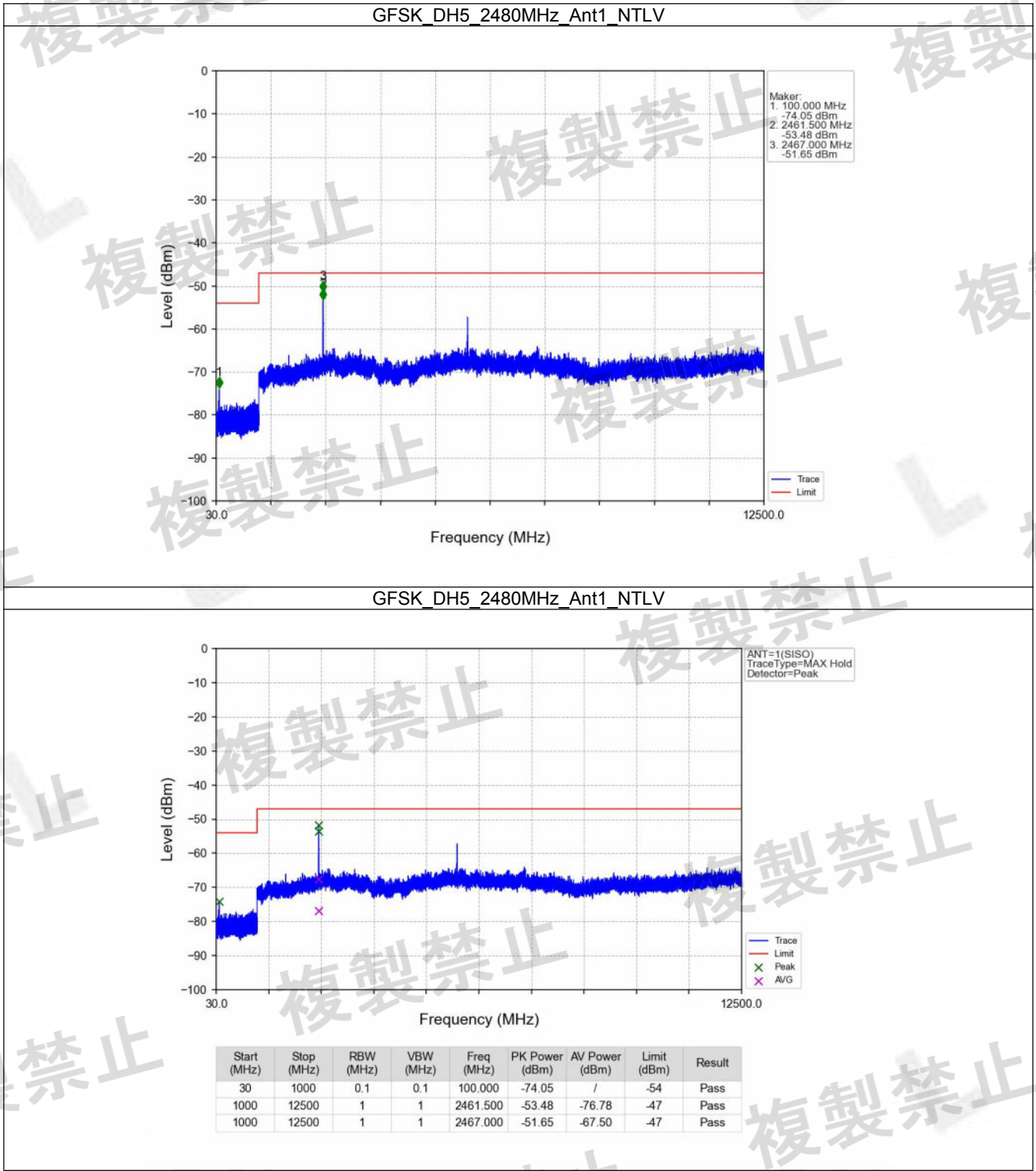
GFSK_DH5_2402MHz_Ant1_NTLV



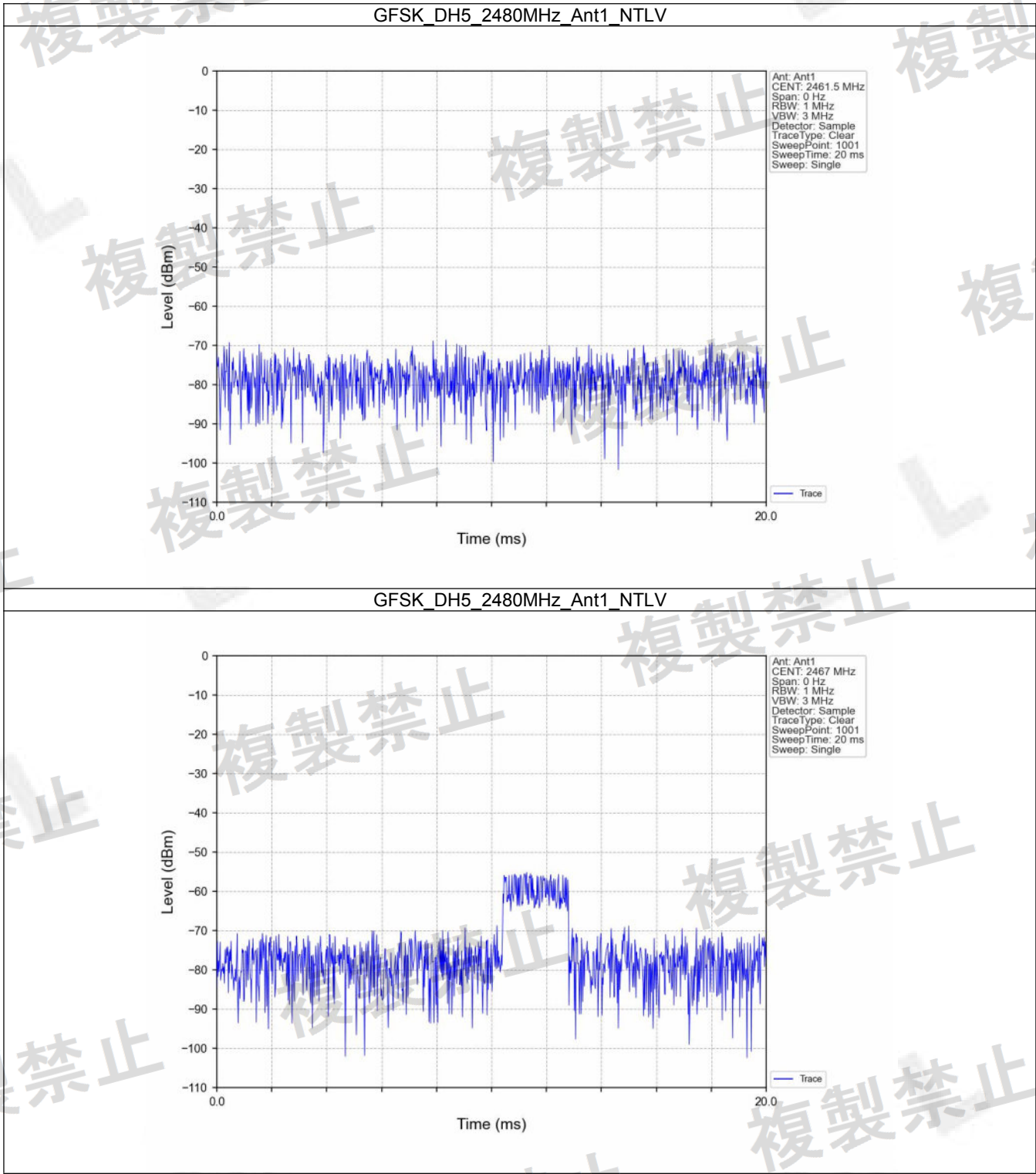
GFSK_DH5_2402MHz_Ant1_NTLV



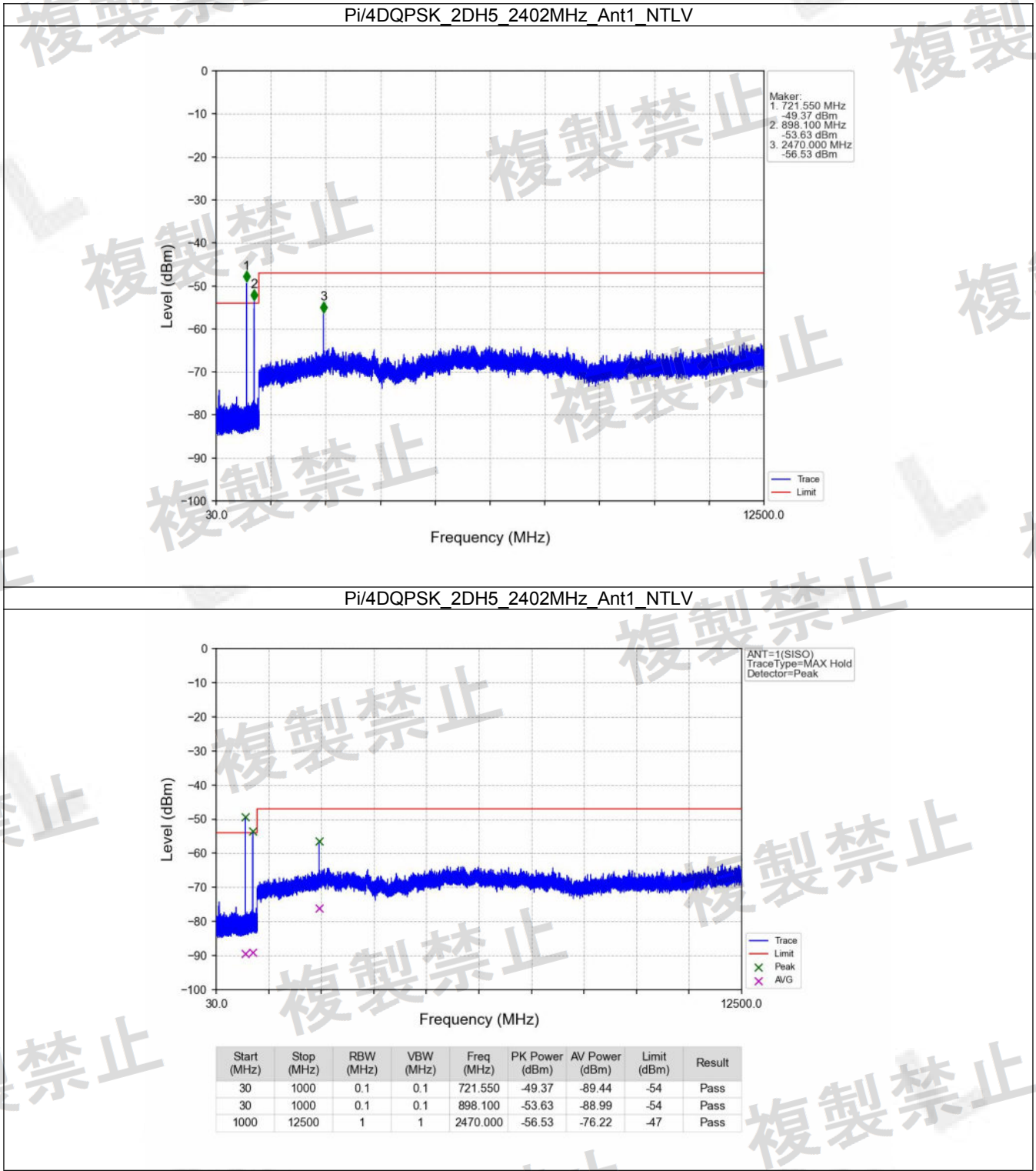
MIC: 219-269023



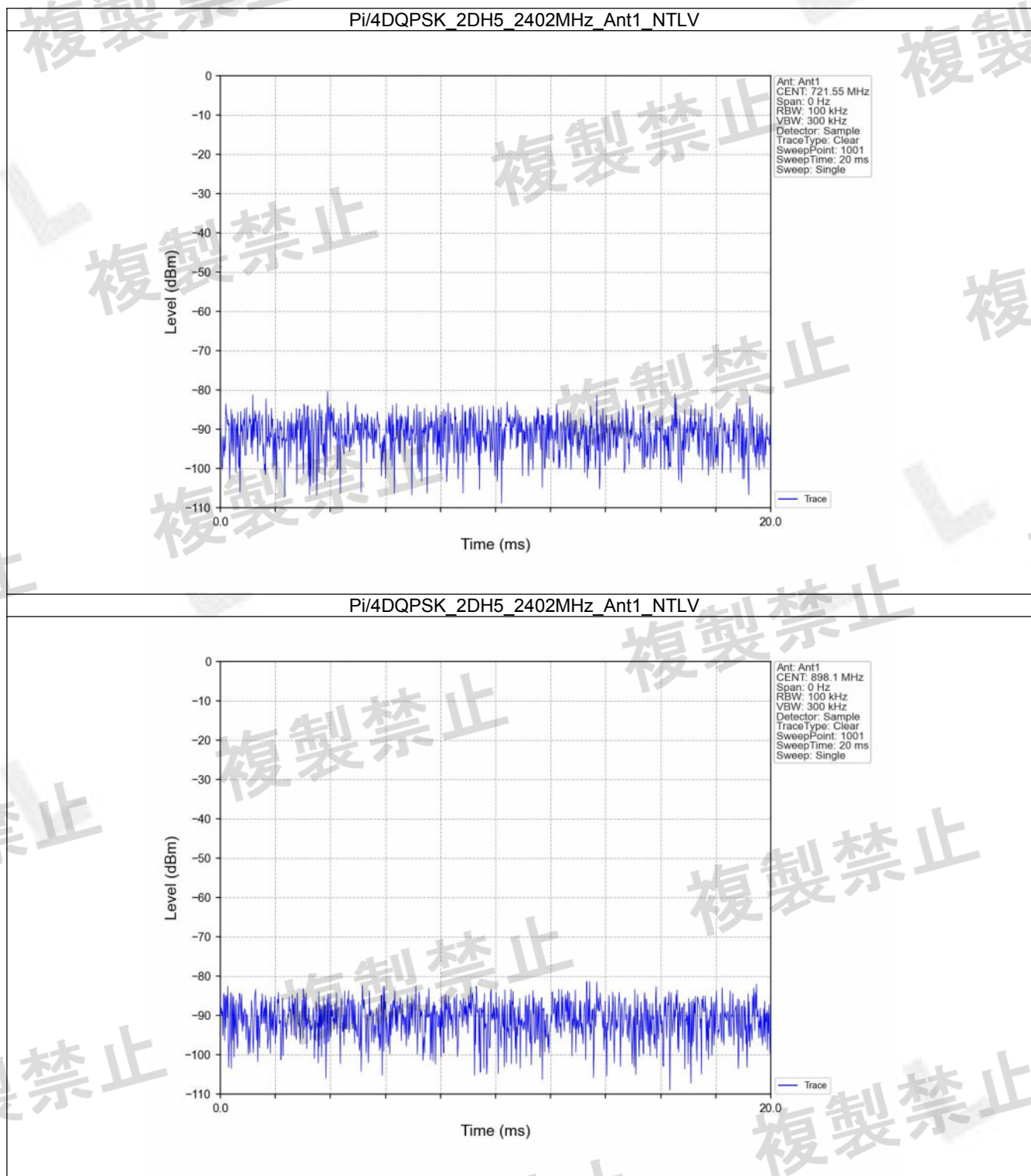
MIC: 219-269023



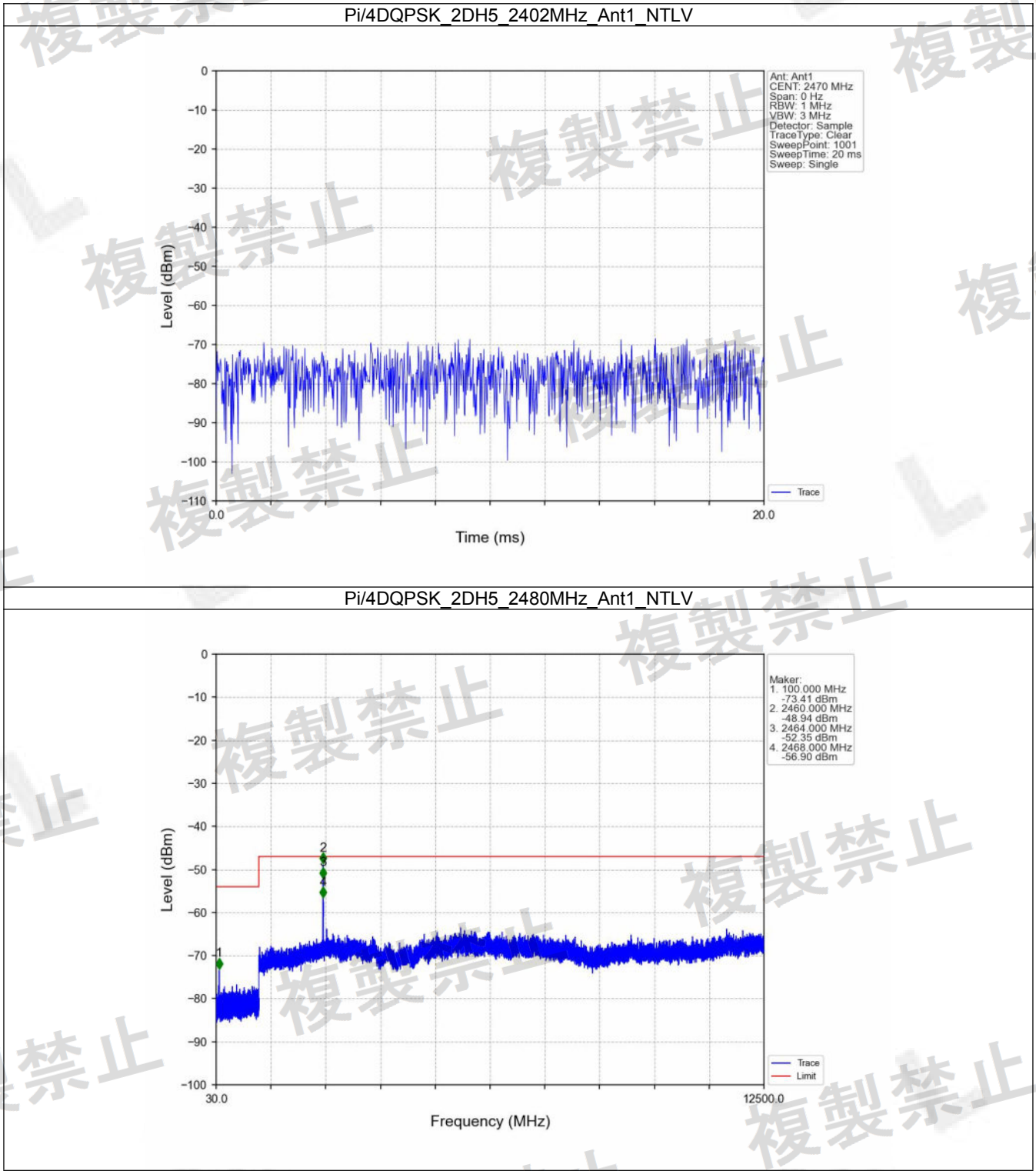
MIC: 219-269023



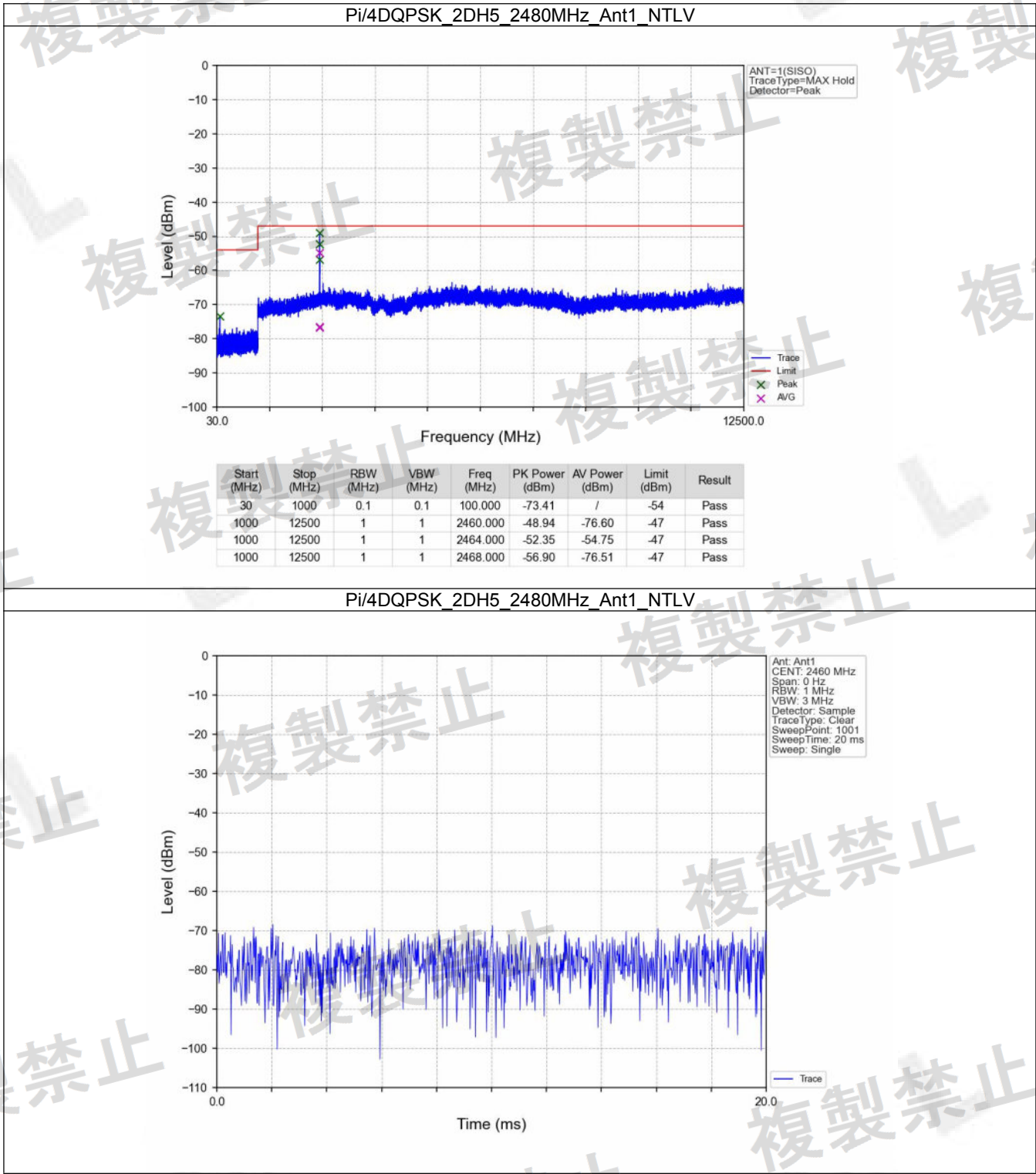
MIC: 219-269023



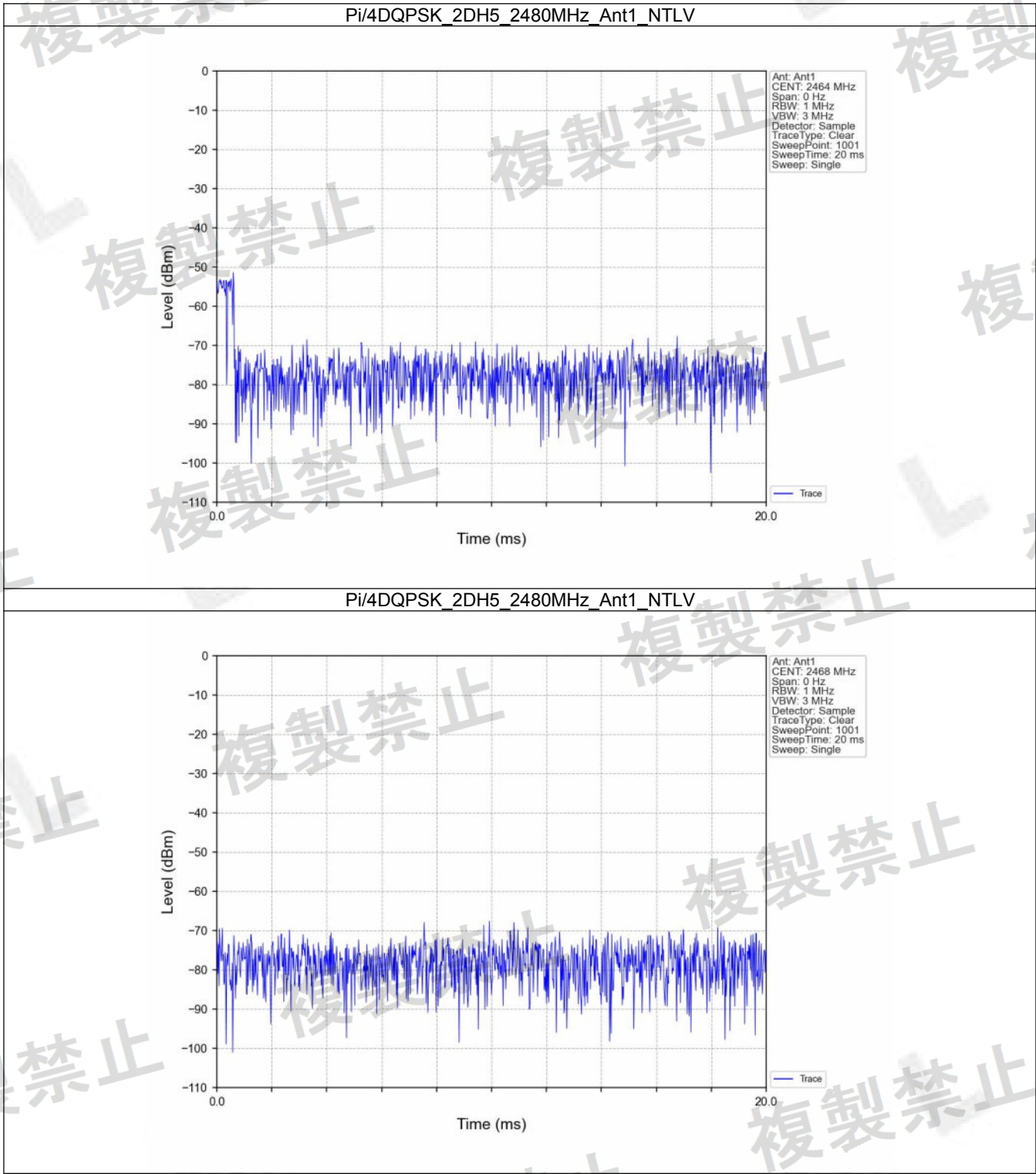
MIC: 219-269023



MIC: 219-269023

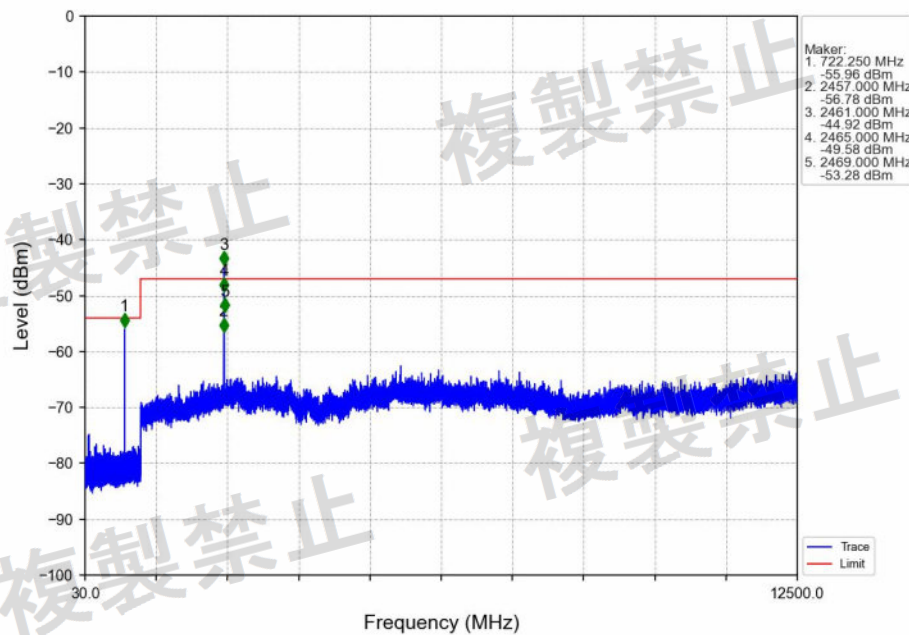


MIC: 219-269023

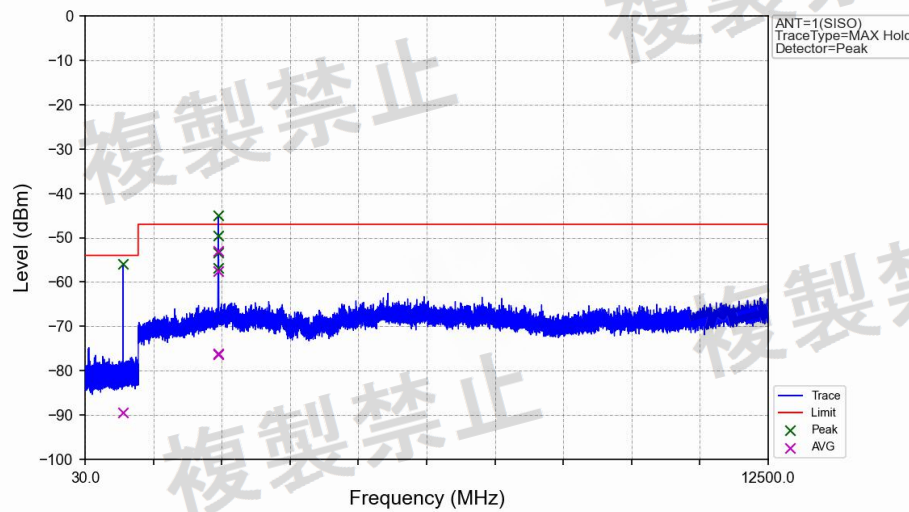


MIC: 219-269023

8DPSK_3DH5_2402MHz_Ant1_NTLV



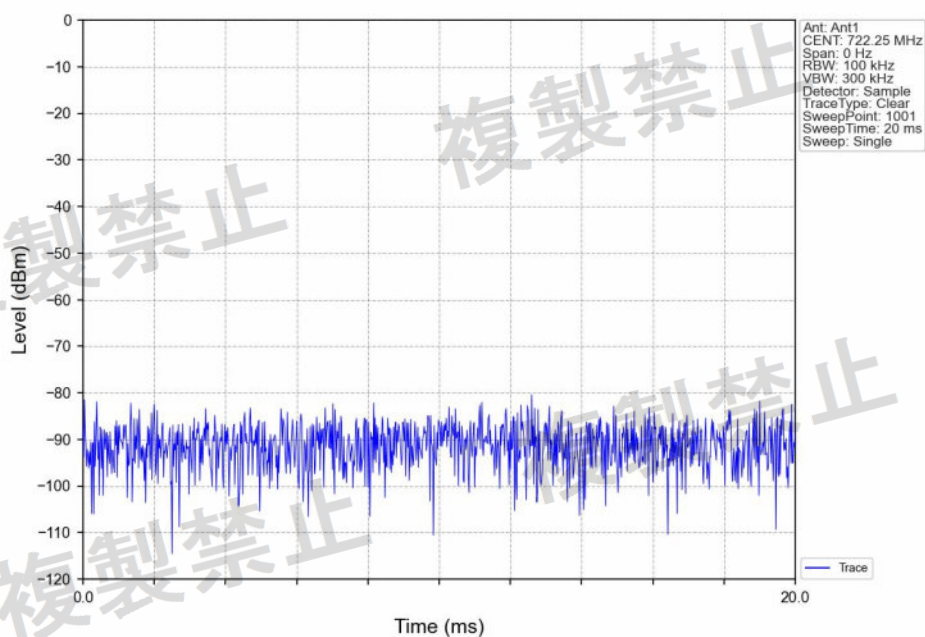
8DPSK_3DH5_2402MHz_Ant1_NTLV



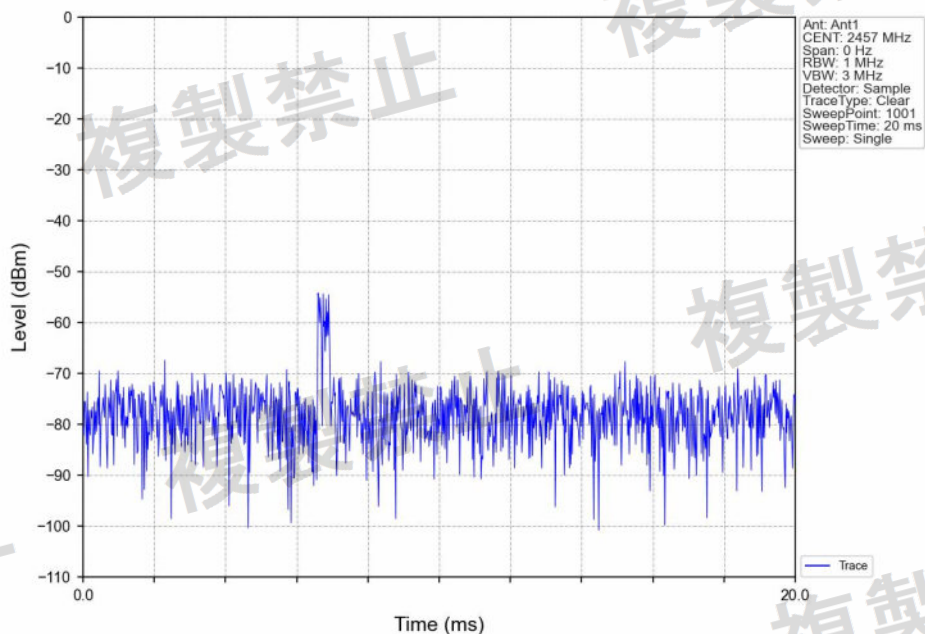
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	722.250	-55.96	-89.36	-54	Pass
1000	12500	1	1	2457.000	-56.78	-57.62	-47	Pass
1000	12500	1	1	2461.000	-44.92	-76.13	-47	Pass
1000	12500	1	1	2465.000	-49.58	-53.05	-47	Pass
1000	12500	1	1	2469.000	-53.28	-76.38	-47	Pass

MIC: 219-269023

8DPSK_3DH5_2402MHz_Ant1_NTLV

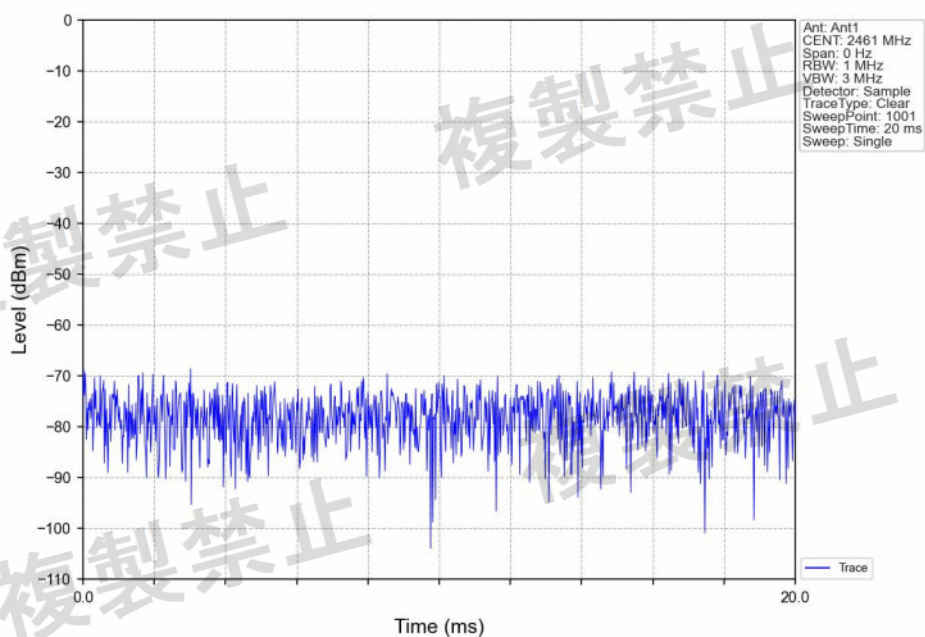


8DPSK_3DH5_2402MHz_Ant1_NTLV

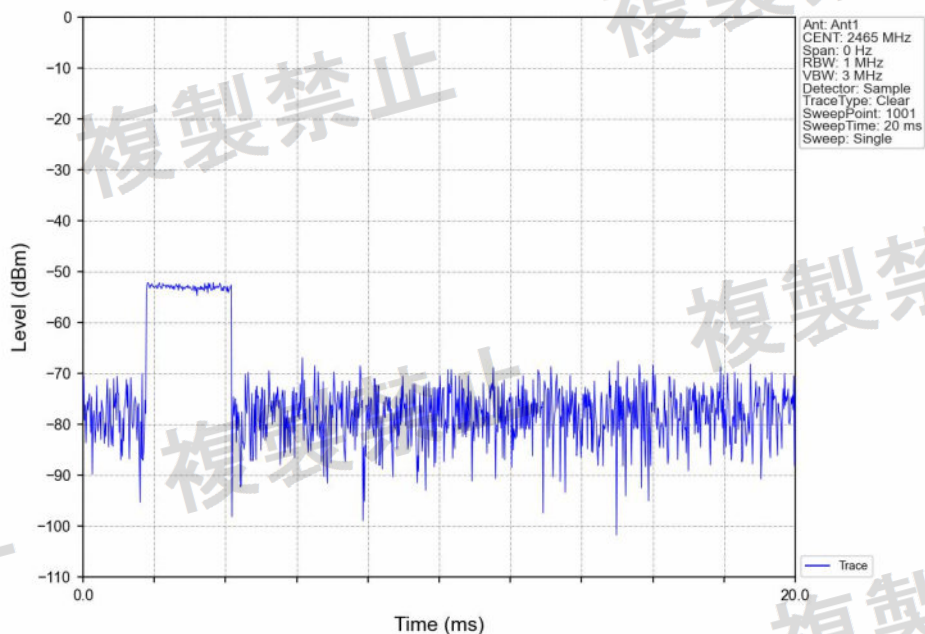


MIC: 219-269023

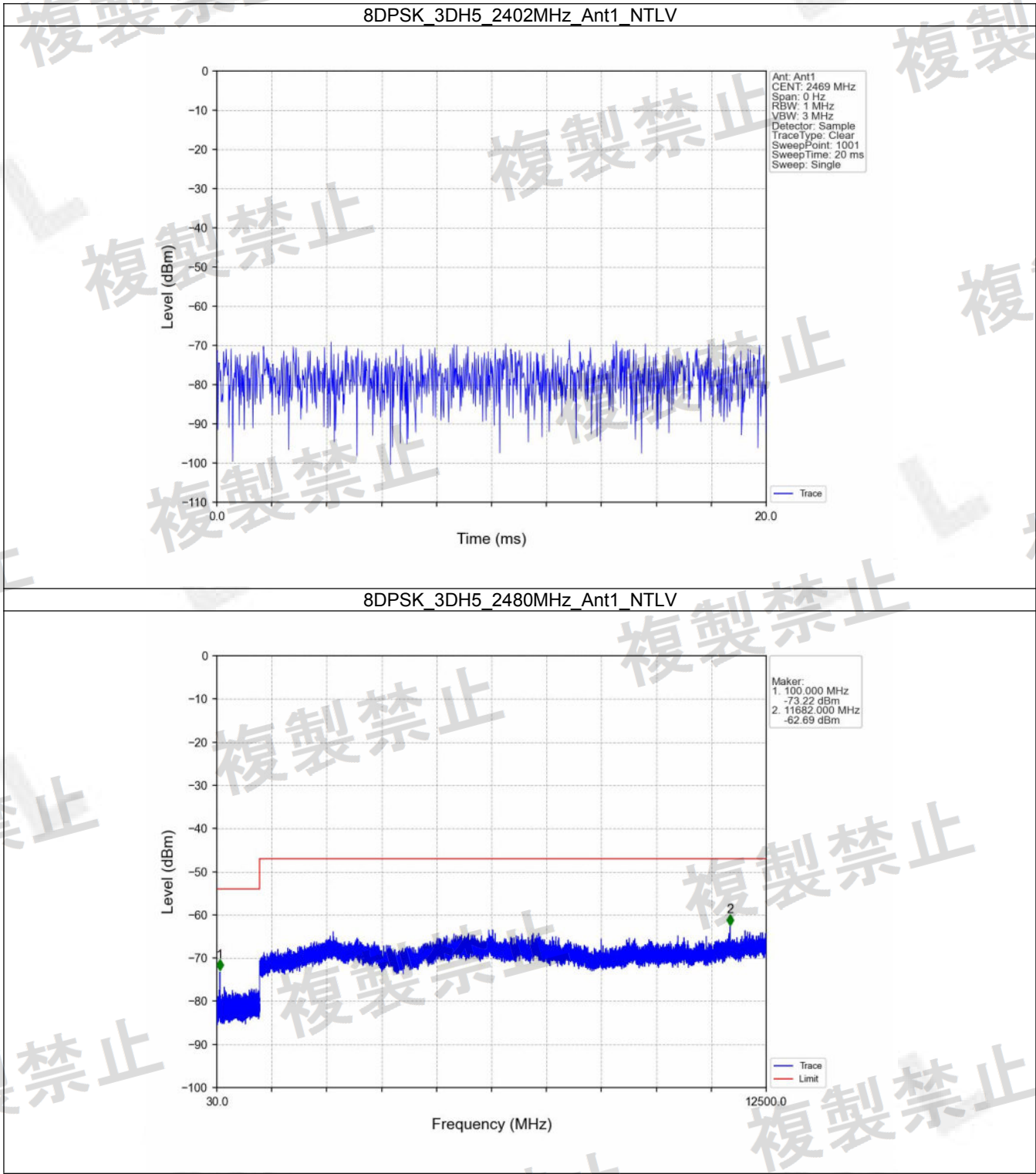
8DPSK_3DH5_2402MHz_Ant1_NTLV



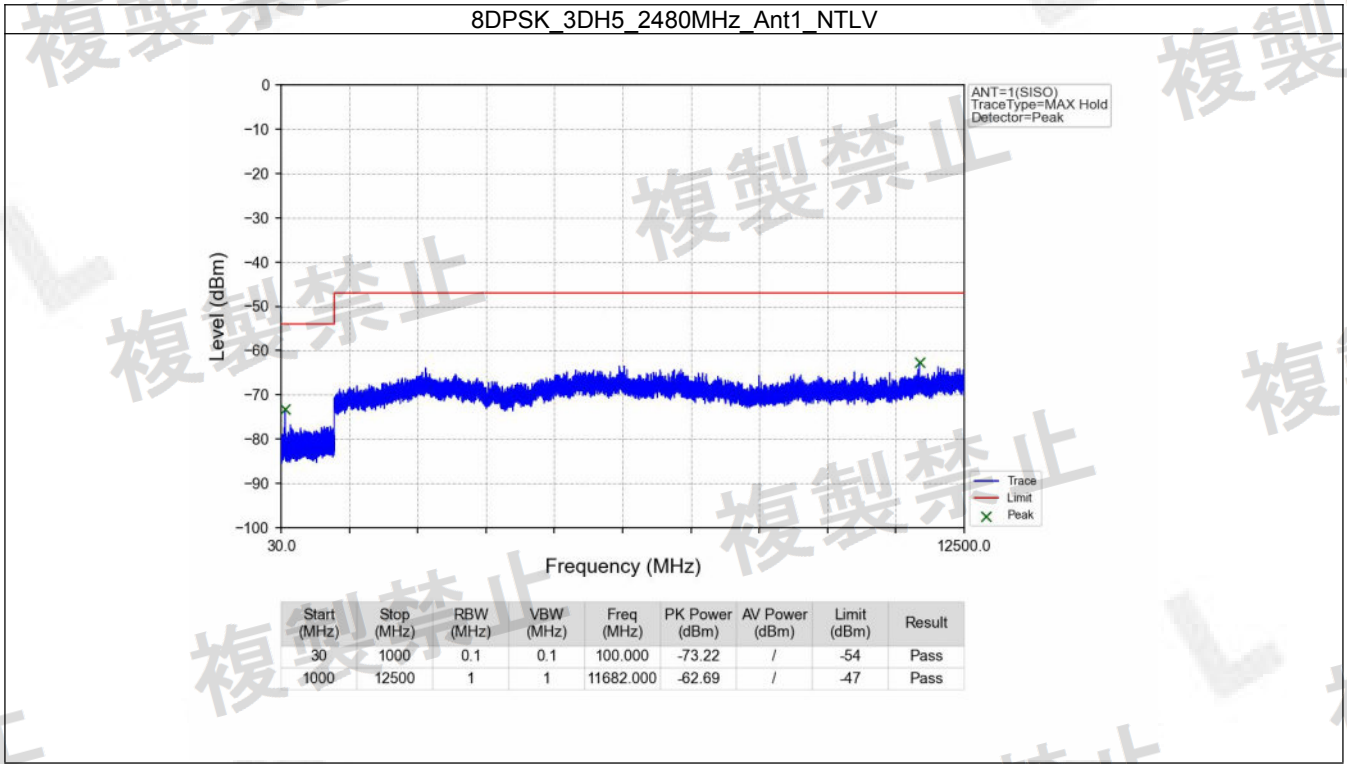
8DPSK_3DH5_2402MHz_Ant1_NTLV



MIC: 219-269023



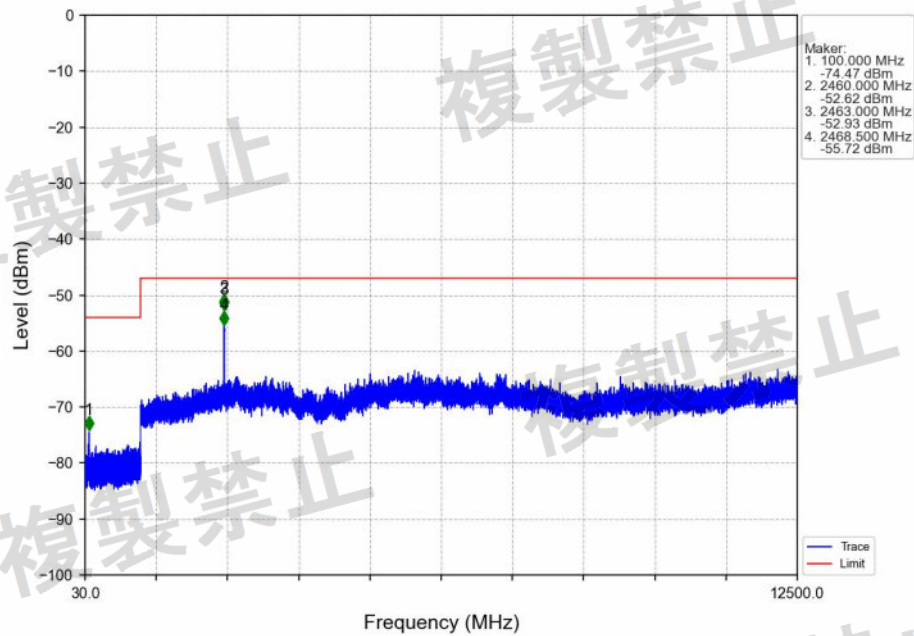
MIC: 219-269023



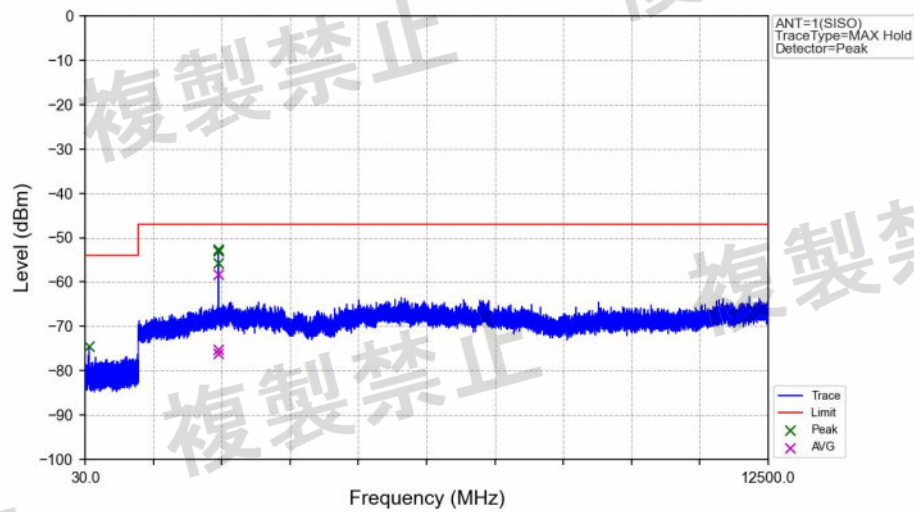
MIC: 219-269023

7.2.3 RxSe_NTHV

GFSK_DH5_2402MHz_Ant1_NTHV



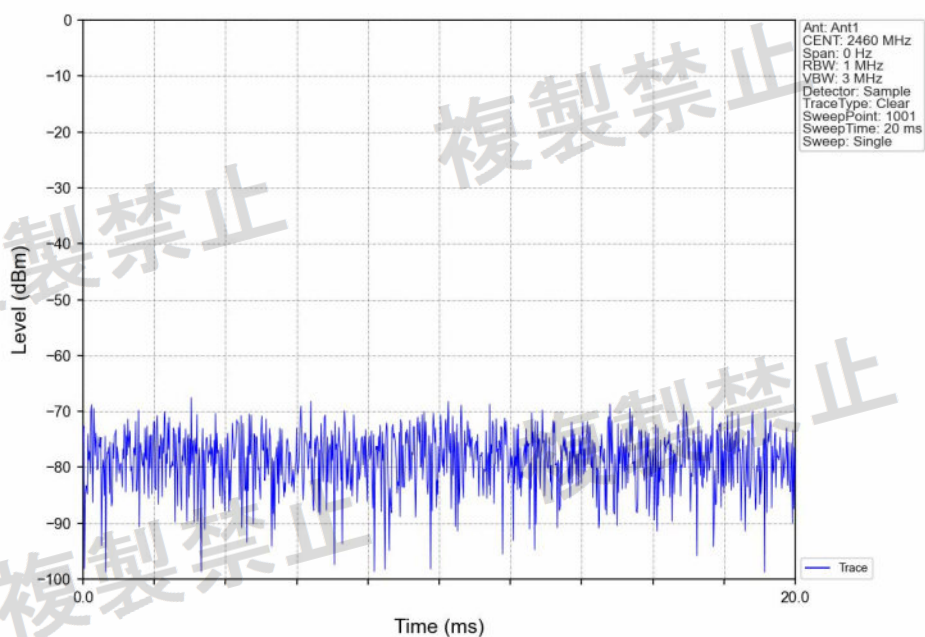
GFSK_DH5_2402MHz_Ant1_NTHV



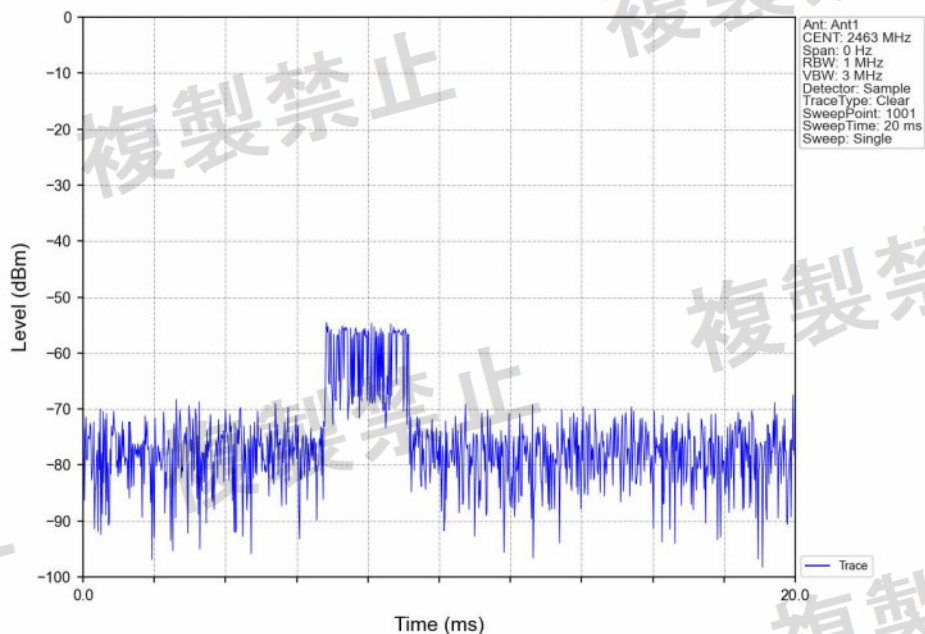
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	100.000	-74.47	/	-54	Pass
1000	12500	1	1	2460.000	-52.62	-76.21	-47	Pass
1000	12500	1	1	2463.000	-52.93	-58.36	-47	Pass
1000	12500	1	1	2468.500	-55.72	-75.22	-47	Pass

MIC: 219-269023

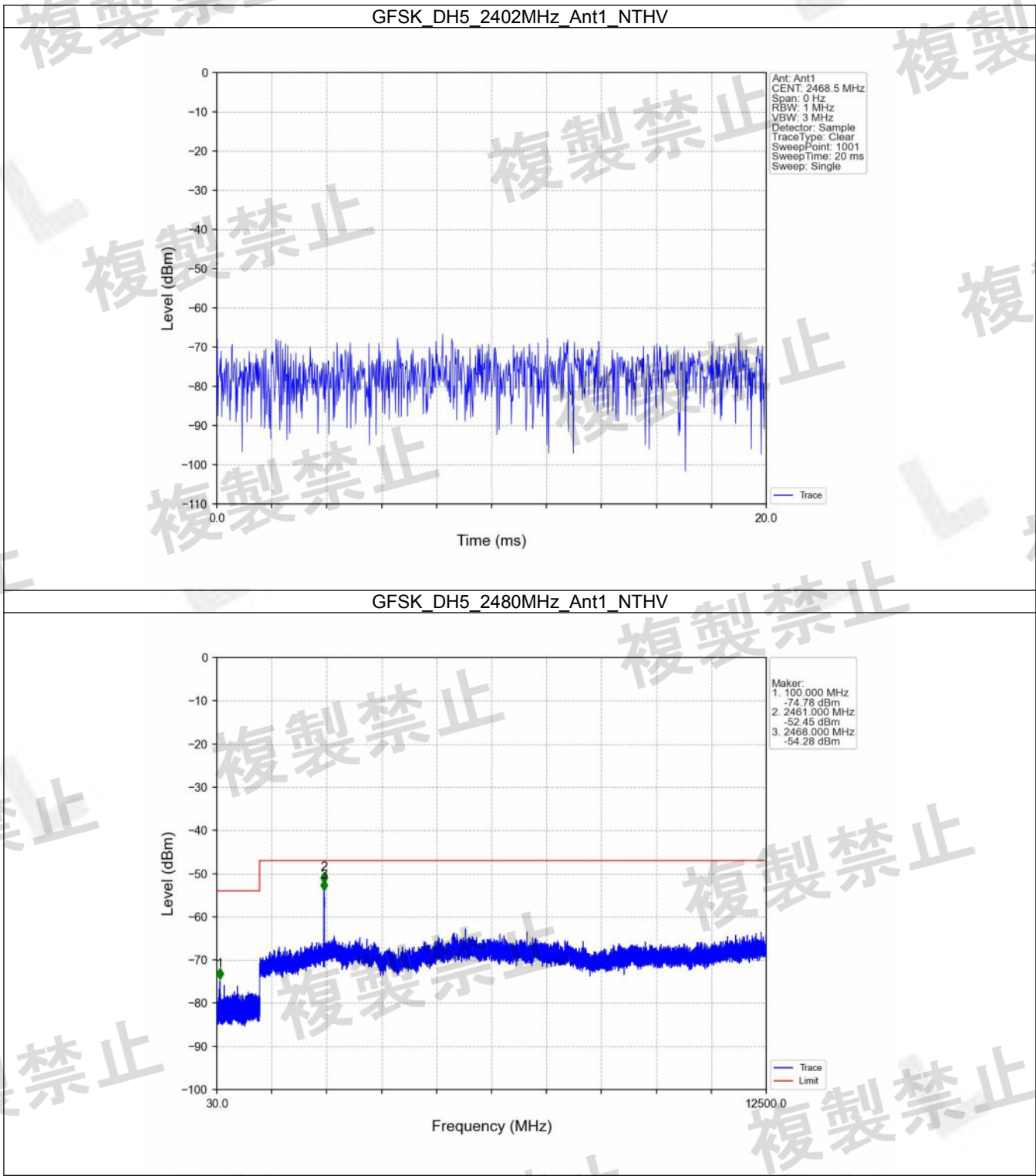
GFSK_DH5_2402MHz_Ant1_NTHV



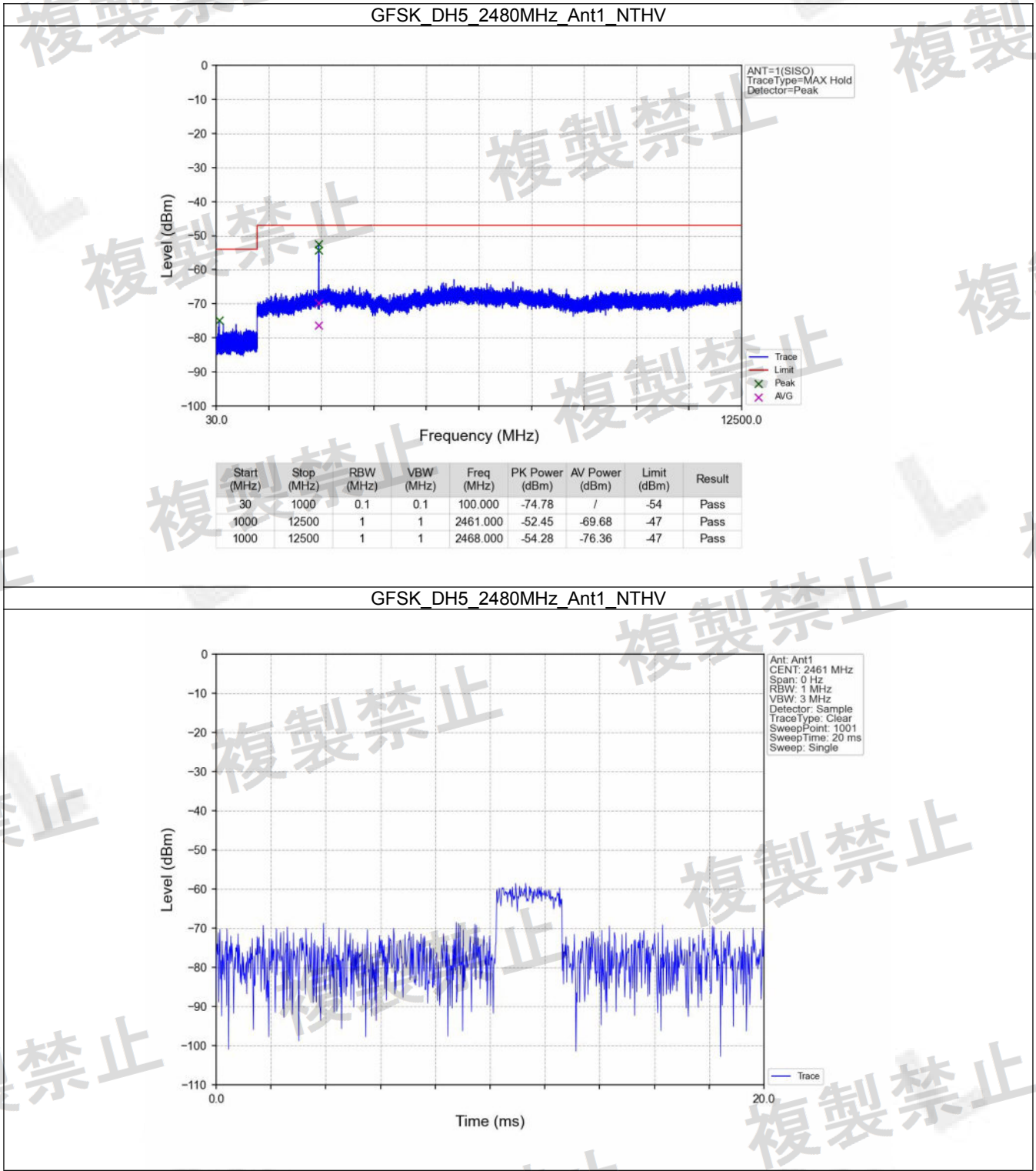
GFSK_DH5_2402MHz_Ant1_NTHV



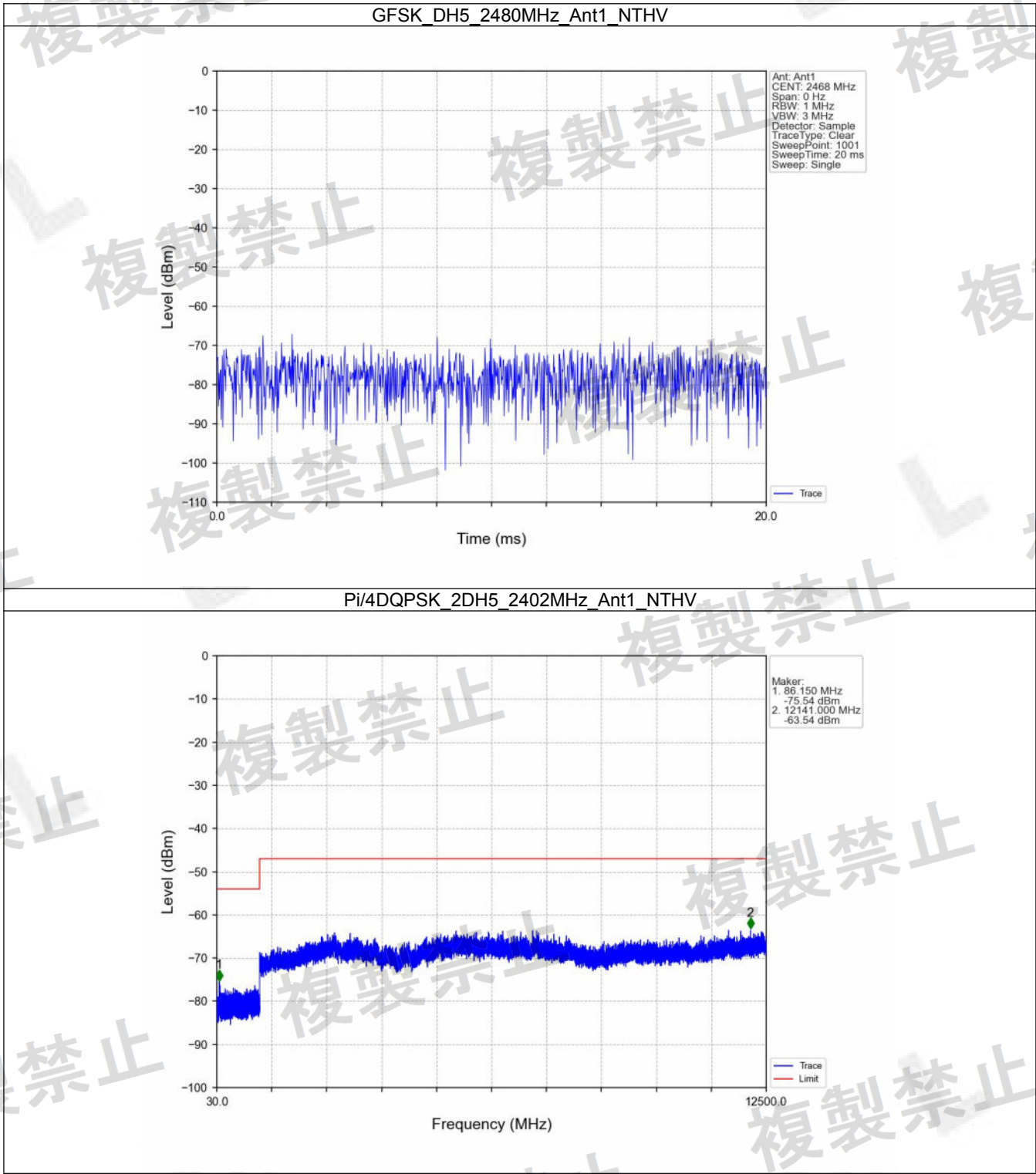
MIC: 219-269023



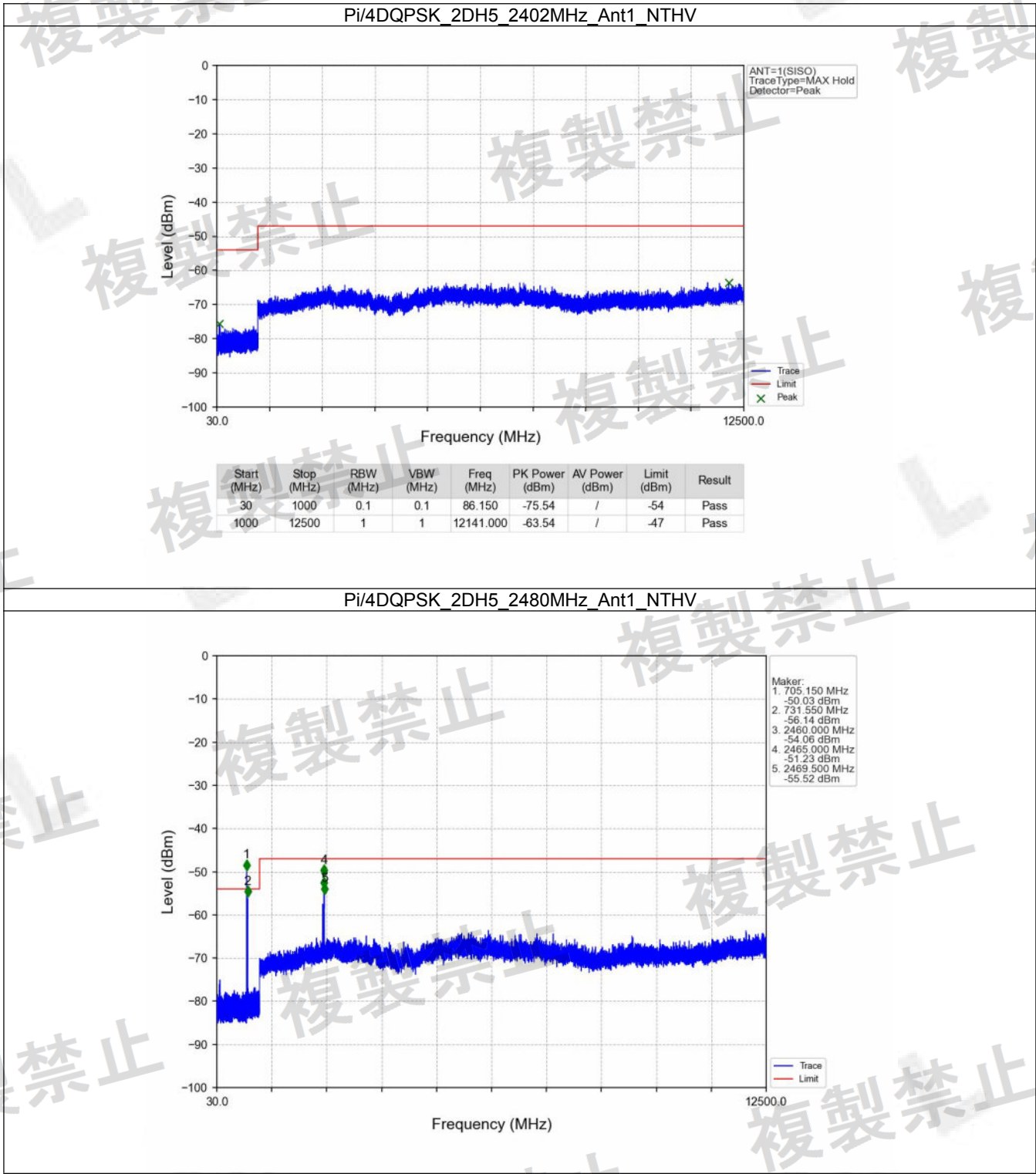
MIC: 219-269023



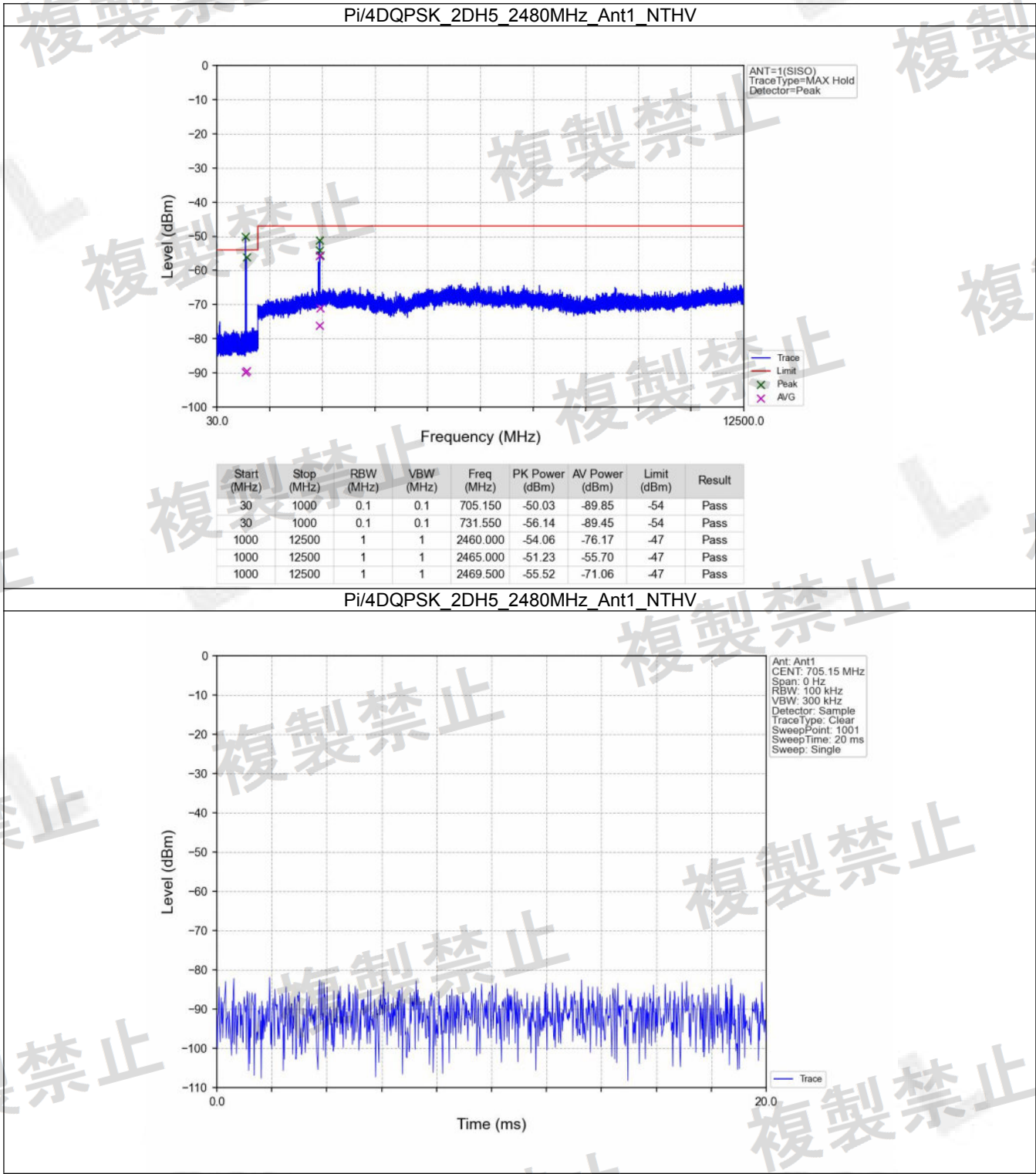
MIC: 219-269023



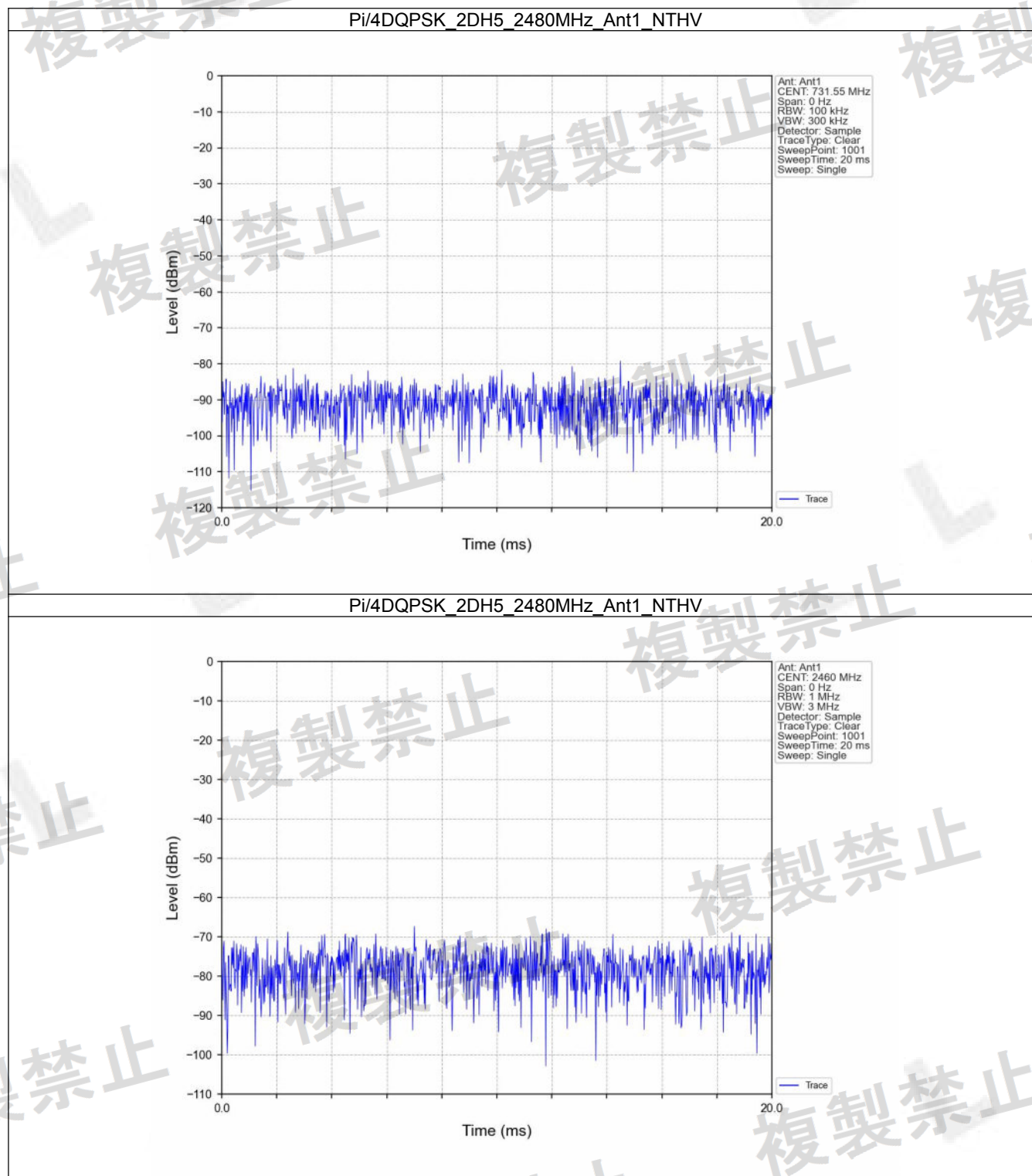
MIC: 219-269023



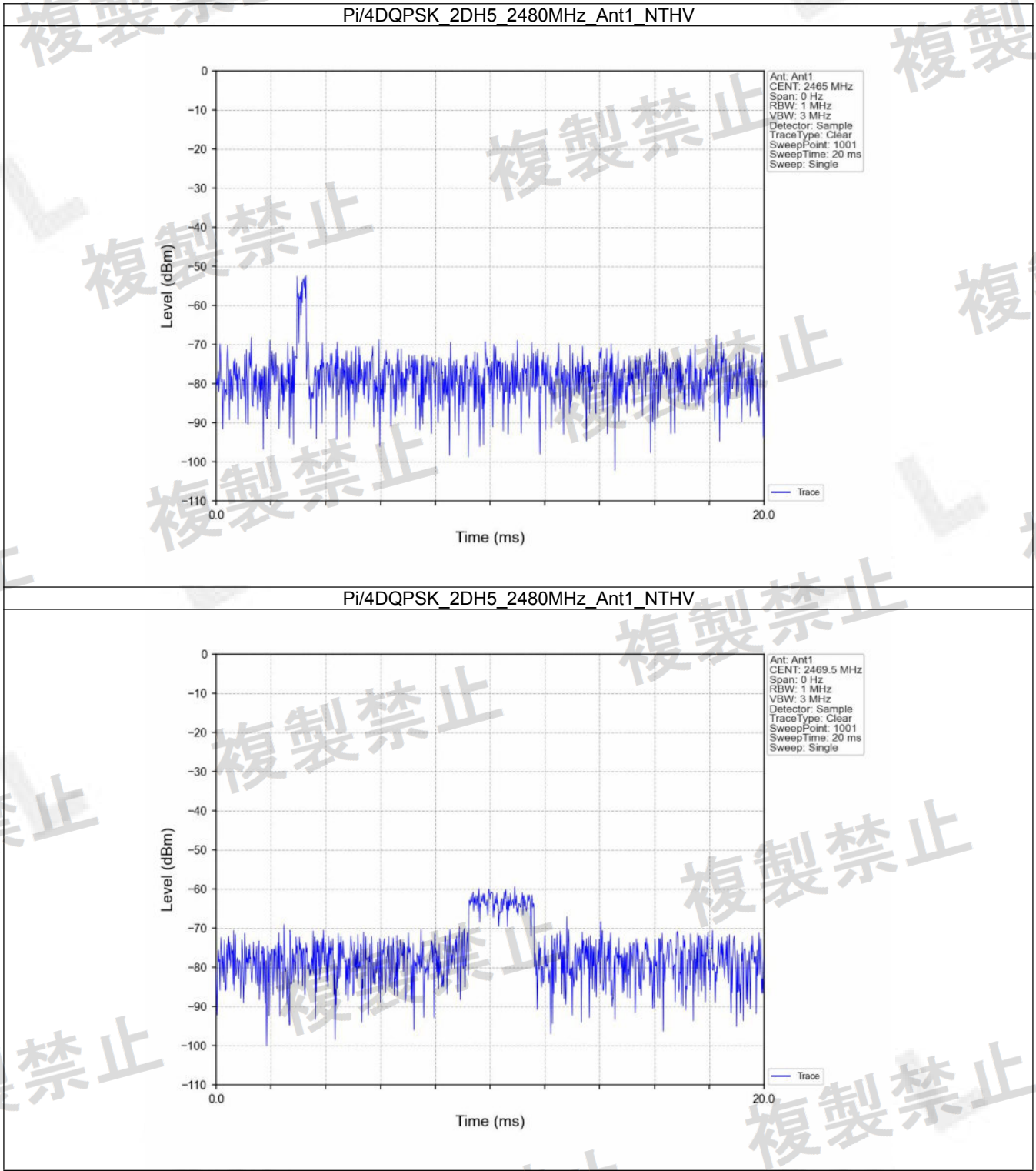
MIC: 219-269023



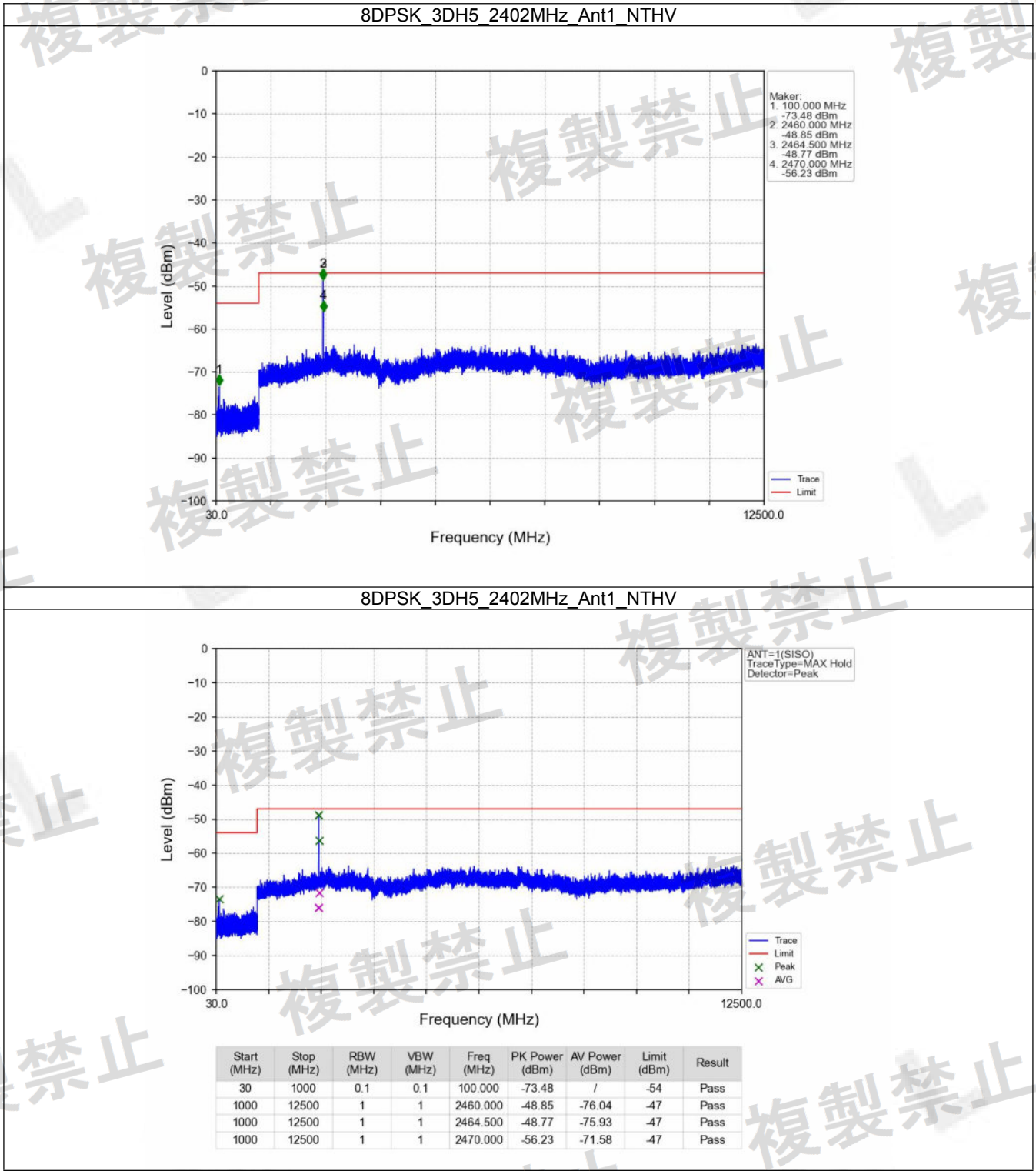
MIC: 219-269023



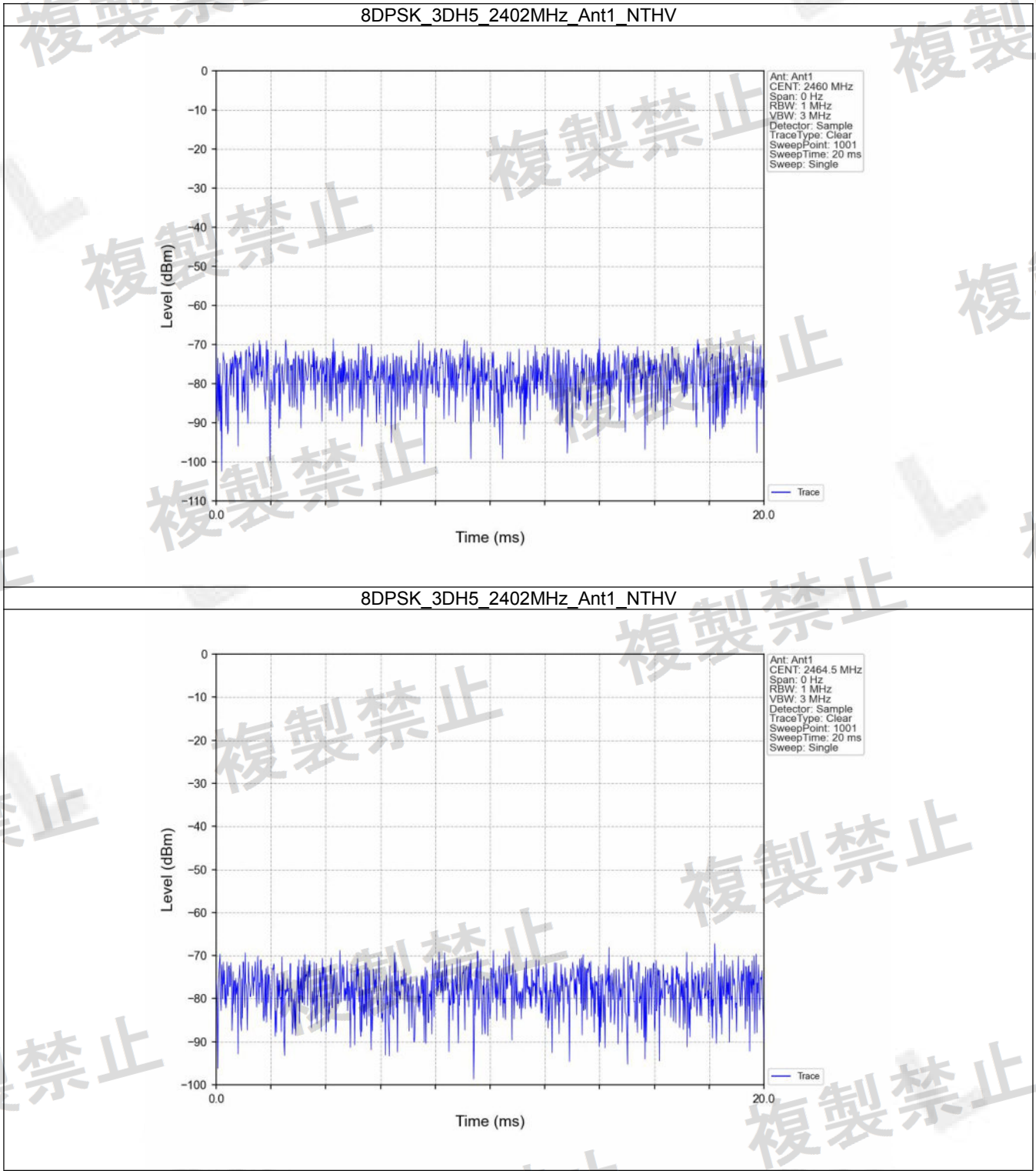
MIC: 219-269023



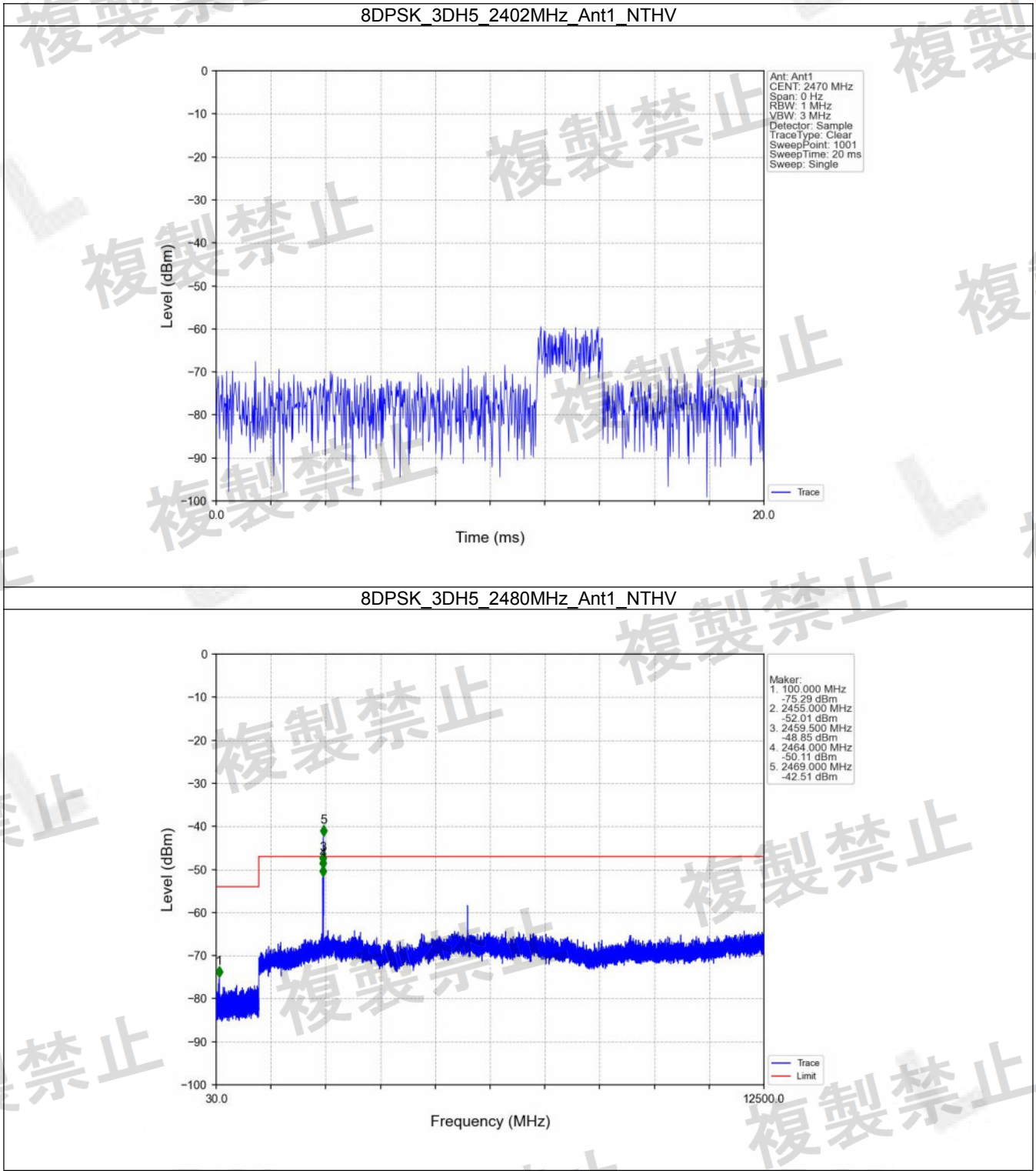
MIC: 219-269023



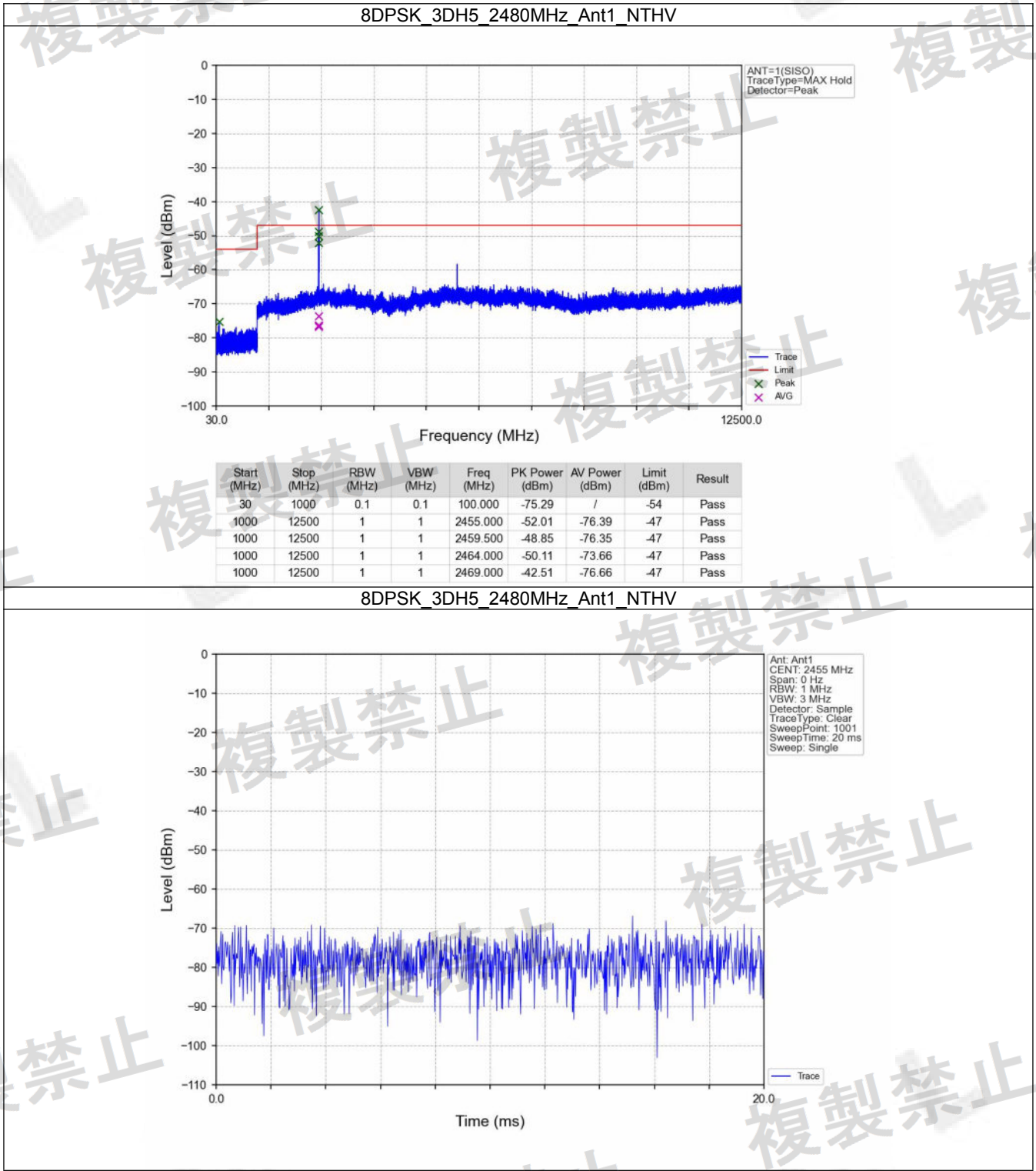
MIC: 219-269023



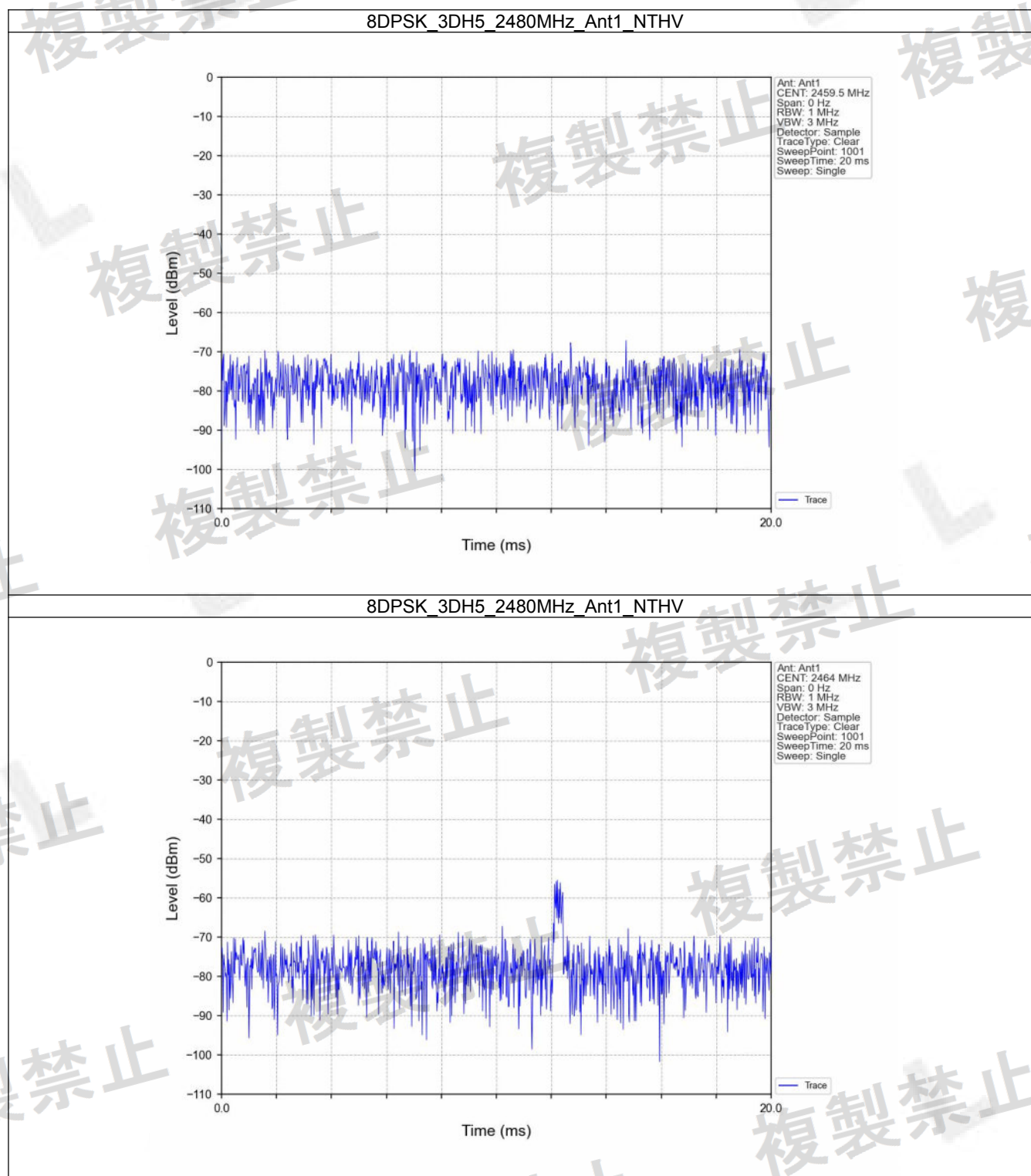
MIC: 219-269023



MIC: 219-269023



MIC: 219-269023



MIC: 219-269023

