

Appendix - BT

BT-L

1. Frequency Error

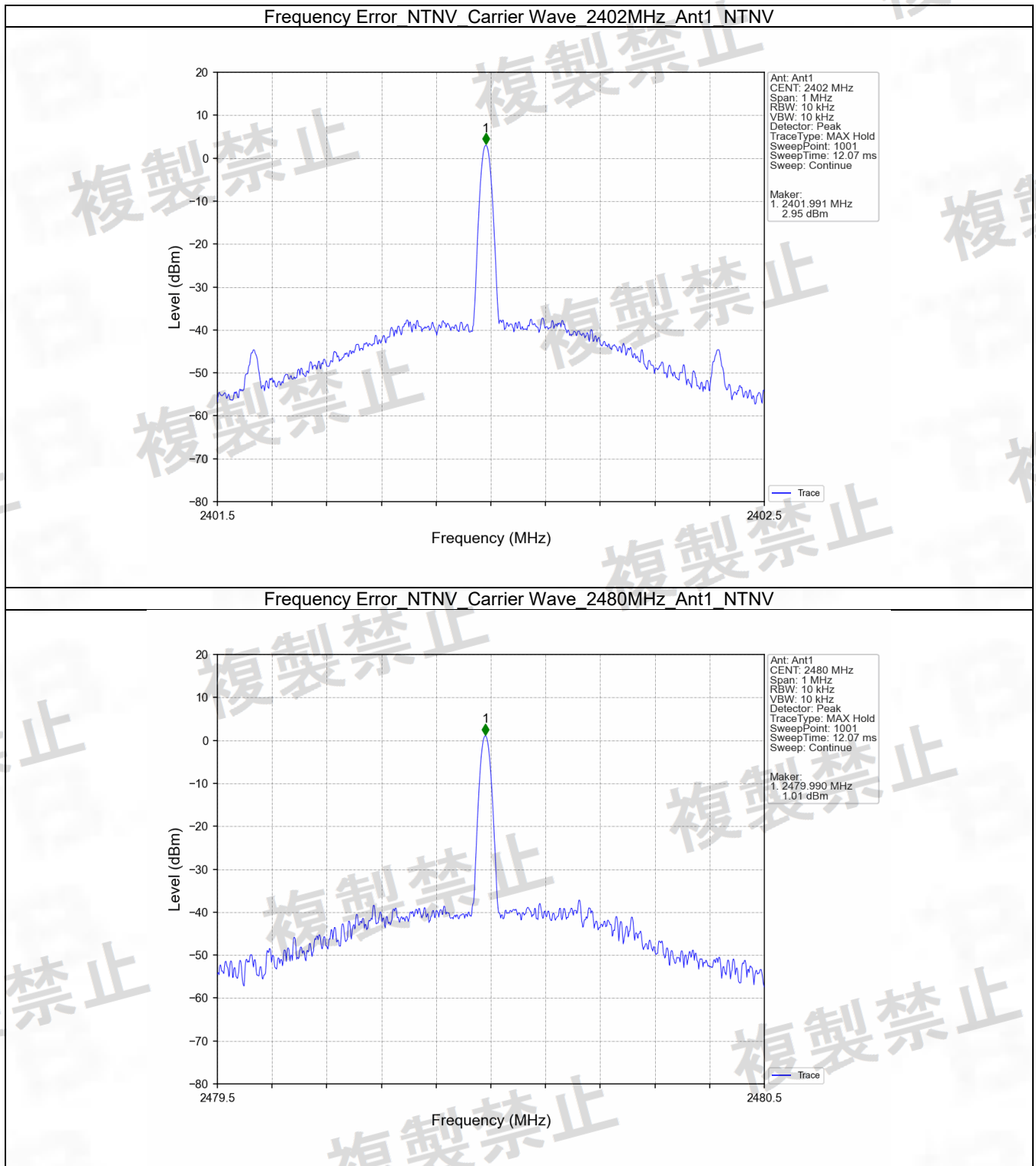
1.1 Test Result

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	2401.991	-3.75	-50 to 50	Pass
			2480	DH5	2479.990	-4.03	-50 to 50	Pass

1.2 Test Graph

1.2.1 Ant1



2. Occupied Bandwidth

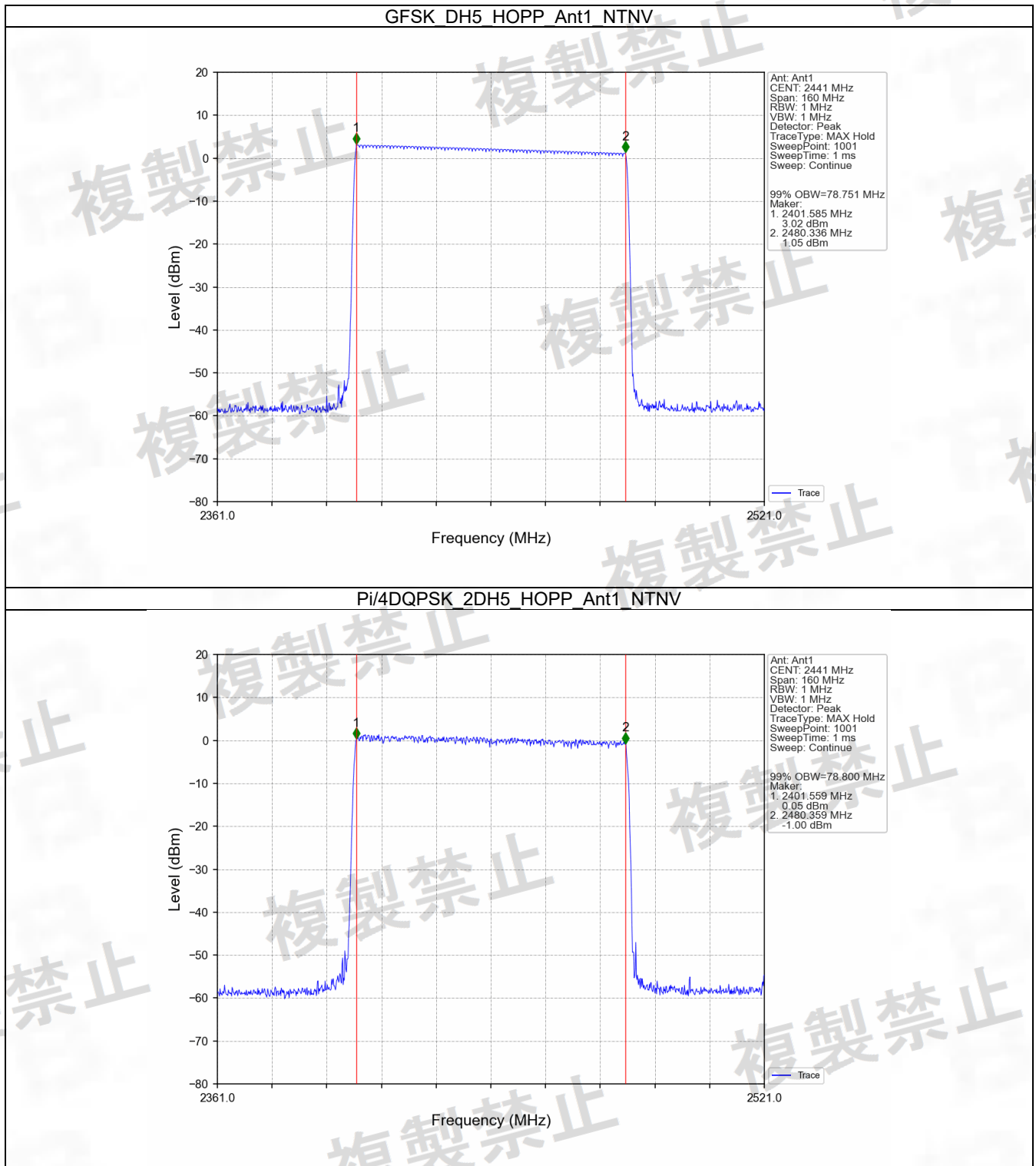
2.1 Test Result

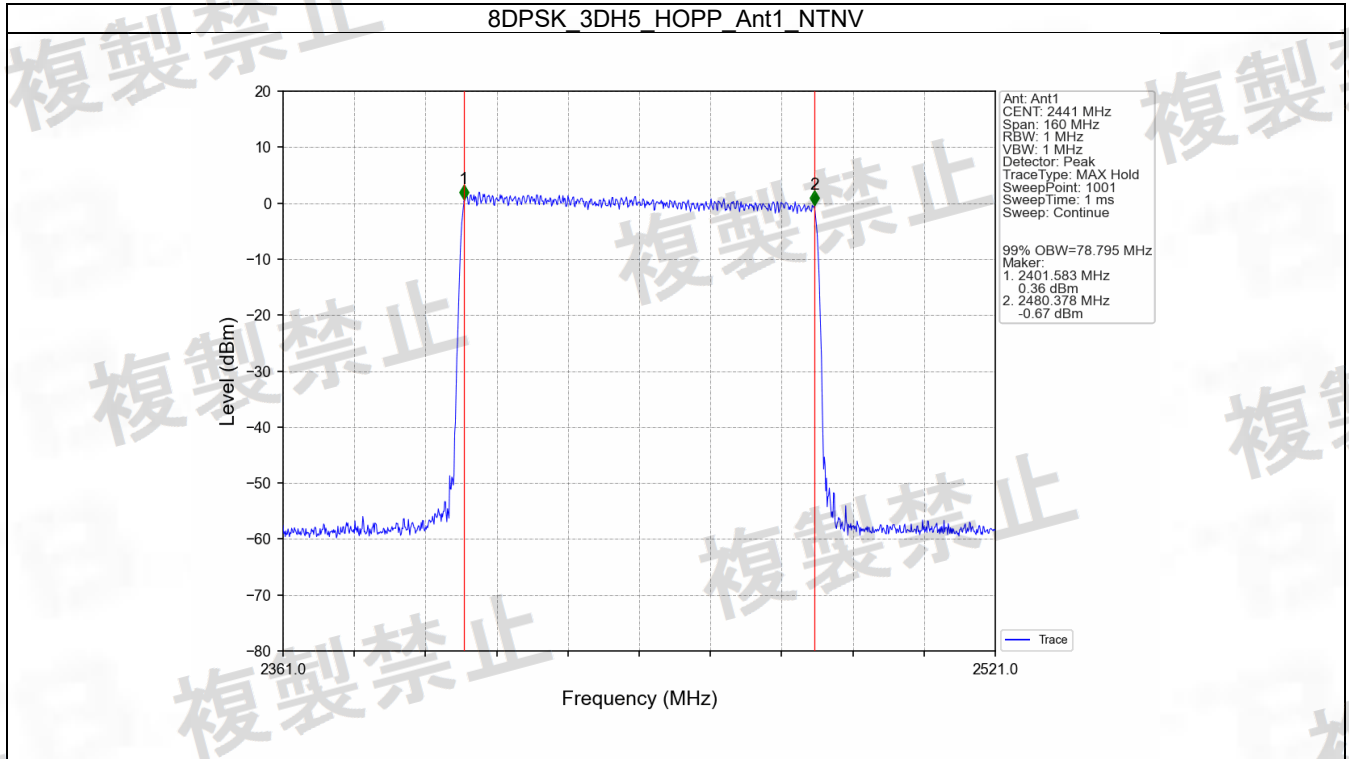
2.1.1 OBW

ENV	Mode	TX Type	Frequency (MHz)	Packet Type	99% Occupied Bandwidth (MHz)		Verdict
					ANT1	Limit	
NTNV	GFSK	SISO	HOPP	DH5	78.751	≤ 83.5	Pass
	Pi/4DQPSK	SISO	HOPP	2DH5	78.800	≤ 83.5	Pass
	8DPSK	SISO	HOPP	3DH5	78.795	≤ 83.5	Pass

2.2 Test Graph

2.2.1 OBW





3. Spread Bandwidth

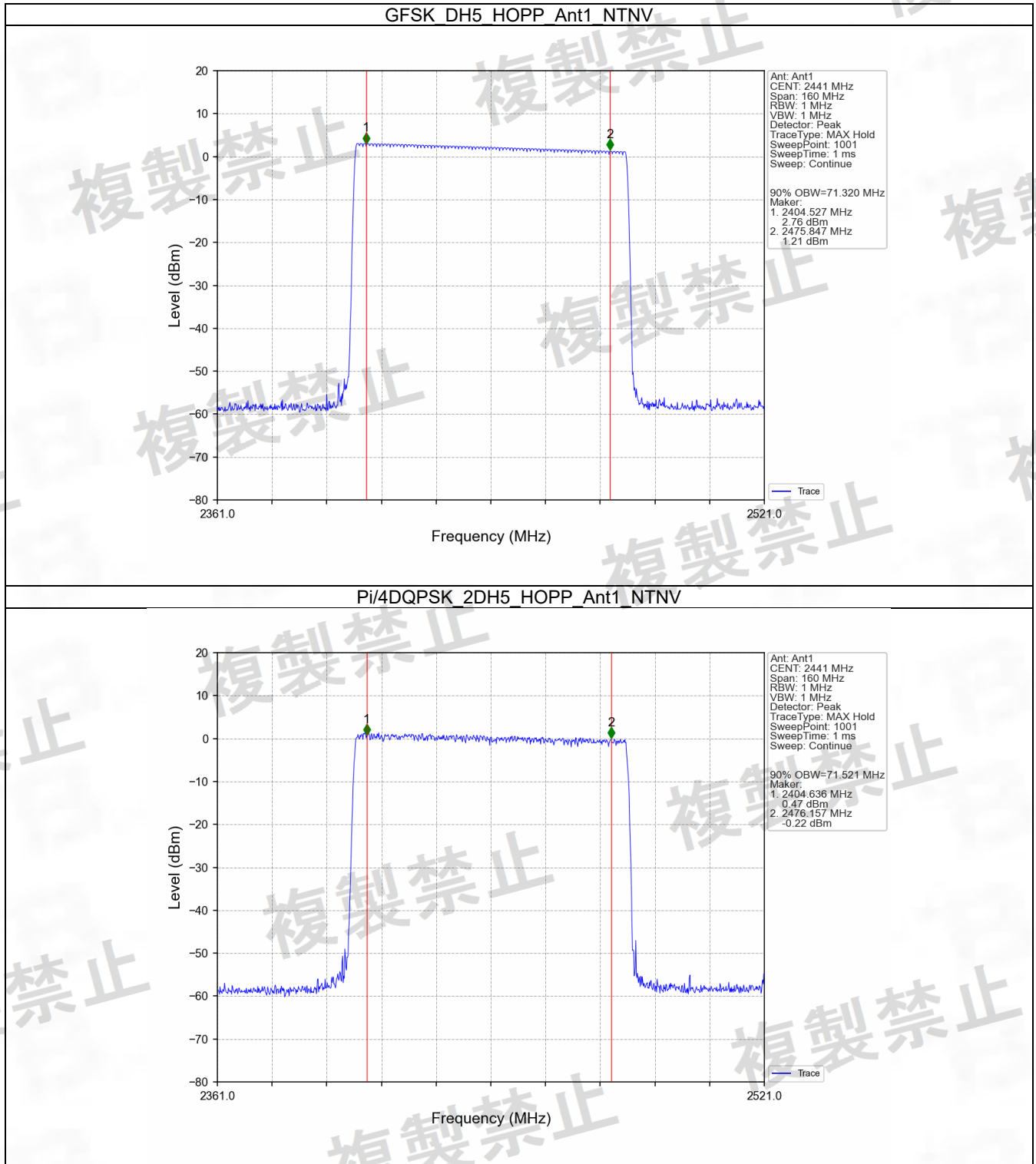
3.1 Test Result

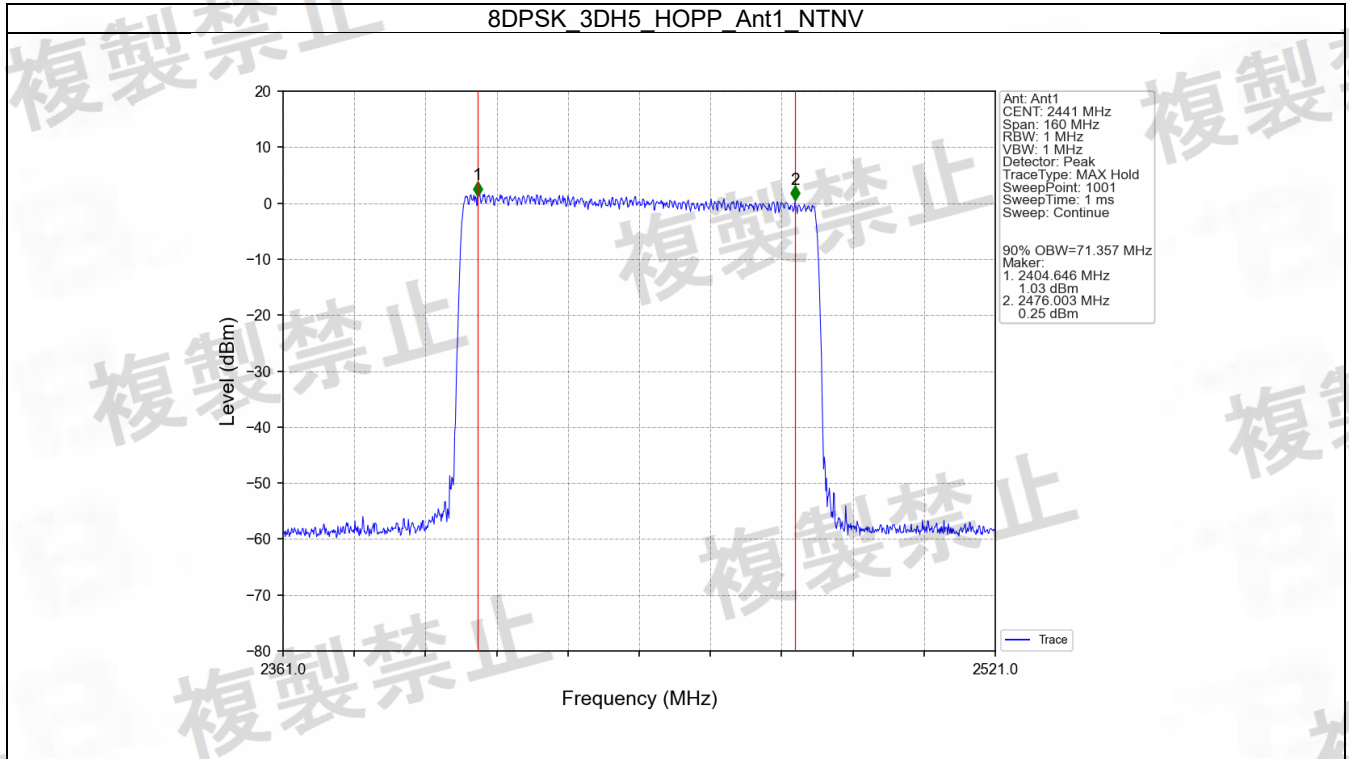
3.1.1 SPBW

ENV	Mode	TX Type	Frequency (MHz)	Packet Type	Spread Bandwidth (MHz)		Verdict
					ANT1	Limit	
NTNV	GFSK	SISO	HOPP	DH5	71.320	/	Only For Report
	Pi/4DQPSK	SISO	HOPP	2DH5	71.521	/	Only For Report
	8DPSK	SISO	HOPP	3DH5	71.357	/	Only For Report

3.2 Test Graph

3.2.1 SPBW





4. Antenna Power

4.1 Test Result

4.1.1 Power

ENV	Mode	Frequency (MHz)	Packet Type	Total Power (dBm)	Spread BW (MHz)	Antenna Power (mW/MHz)		Nominal Power (mW/MHz)	Tolerance (%)		Verdict
						result	Limit		Measured	Limit	
NTNV	GFSK	HOPP	DH5	13.13	71.320	0.29	<=3.00	0.3	-3.91%	<=20	Pass
	Pi/4DQPSK	HOPP	2DH5	11.29	71.521	0.19	<=3.00	0.3	-37.27%	<=20	Pass
	8DPSK	HOPP	3DH5	12.17	71.357	0.23	<=3.00	0.3	-23.01%	<=20	Pass

Note:

1. $result = [10^{(Meas\ Power/10)}] / \text{spread BW}$

4.1.2 EIRP

ENV	Mode	TX Type	Frequency (MHz)	Packet Type	Antenna power (dBm/MHz)	Gain (dBi)	EIRP (dBm/MHz)		Verdict
							Result	Limit	
NTNV	GFSK	SISO	HOPP	DH5	-5.38	-0.25	-5.63	<=6.91	Pass
	Pi/4DQPSK	SISO	HOPP	2DH5	-7.21	-0.25	-7.46	<=6.91	Pass
	8DPSK	SISO	HOPP	3DH5	-6.38	-0.25	-6.63	<=6.91	Pass

Note:

1. $antenna\ power(dBm/MHz) = 10\log(result(mW/MHz))$

5. Dwell Time

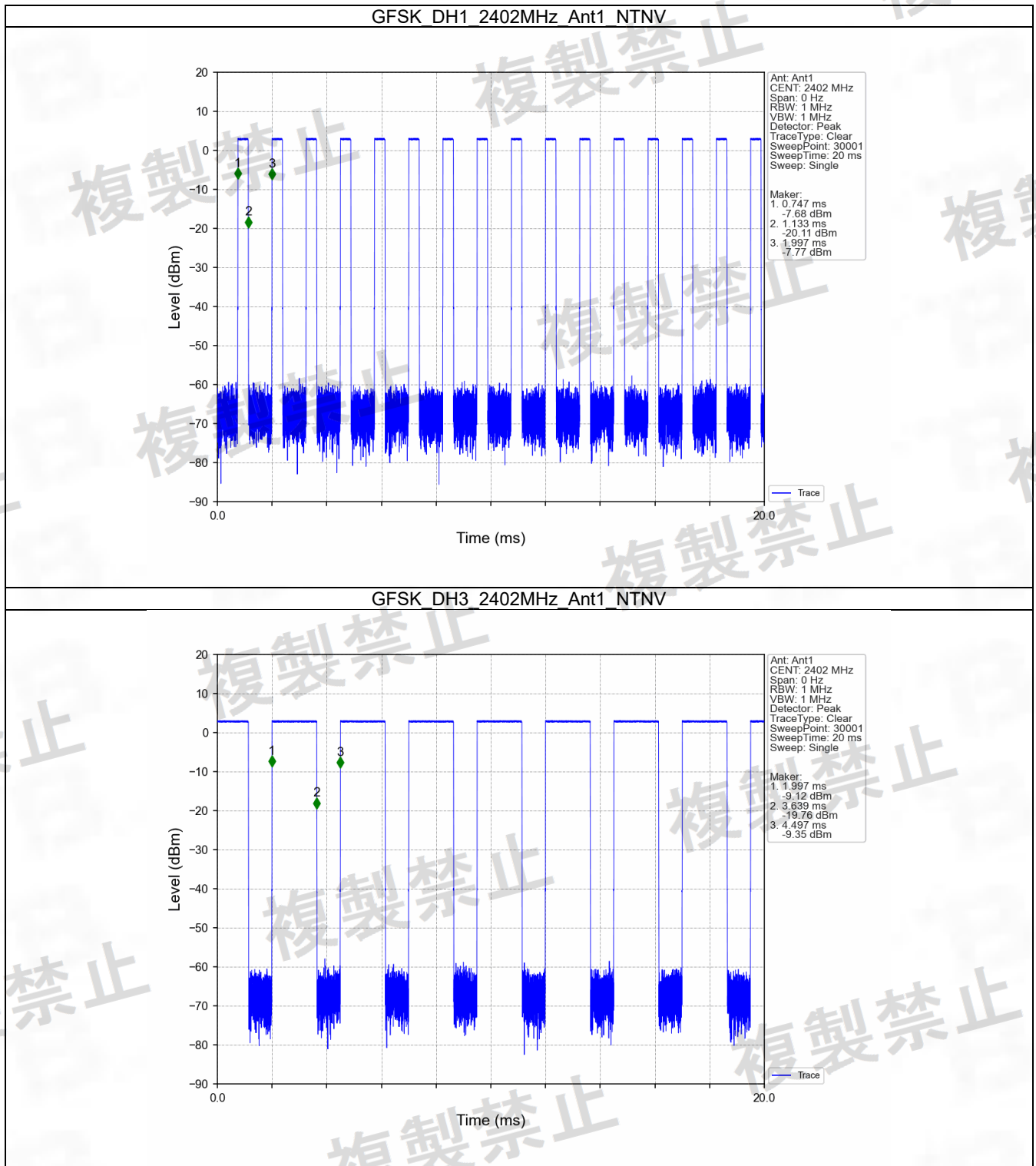
5.1 Test Result

5.1.1 Ant1

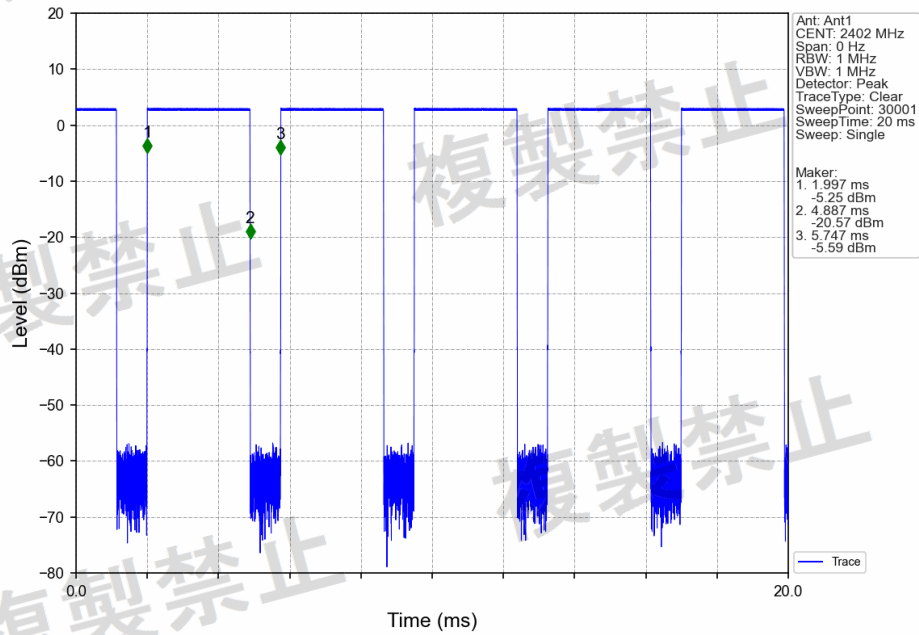
Ant1											
ENV	Mode	TX Type	Frequency (MHz)	Packet Type	Spreading Rate	T_on (ms)	Period (ms)	Hopp Number	Dwell Time (ms)		Verdict
									Result	Limit	
NTNV	GFSK	SISO	2402	DH1	71.320	0.386	1.250	79	111.512	<=400	Pass
				DH3	71.320	1.642	2.500	79	237.180	<=400	Pass
				DH5	71.320	2.890	3.750	79	278.298	<=400	Pass
			2480	DH1	71.320	0.386	1.250	79	111.512	<=400	Pass
				DH3	71.320	1.642	2.500	79	237.180	<=400	Pass
				DH5	71.320	2.890	3.750	79	278.298	<=400	Pass
	Pi/4DQPSK	SISO	2402	2DH1	71.521	0.389	1.250	79	112.695	<=400	Pass
				2DH3	71.521	1.641	2.500	79	237.703	<=400	Pass
				2DH5	71.521	2.889	3.750	79	278.986	<=400	Pass
			2480	2DH1	71.521	0.390	1.250	79	112.985	<=400	Pass
				2DH3	71.521	1.641	2.500	79	237.703	<=400	Pass
				2DH5	71.521	2.889	3.750	79	278.986	<=400	Pass
	8DPSK	SISO	2402	3DH1	71.357	0.390	1.250	79	112.726	<=400	Pass
				3DH3	71.357	1.640	2.500	79	237.014	<=400	Pass
				3DH5	71.357	2.891	3.750	79	278.539	<=400	Pass
			2480	3DH1	71.357	0.390	1.250	79	112.726	<=400	Pass
				3DH3	71.357	1.640	2.500	79	237.014	<=400	Pass
				3DH5	71.357	2.891	3.750	79	278.539	<=400	Pass

5.2 Test Graph

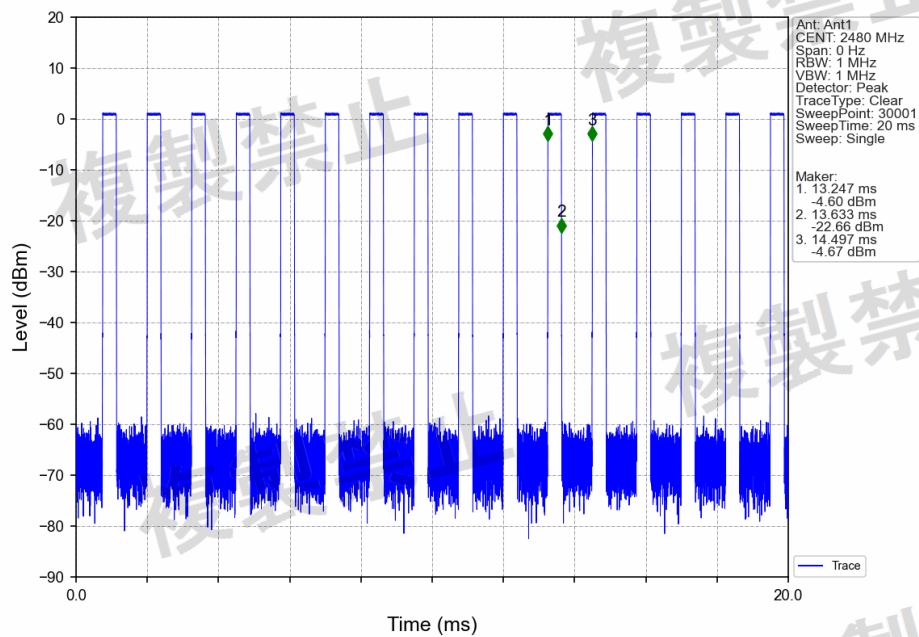
5.2.1 Ant1



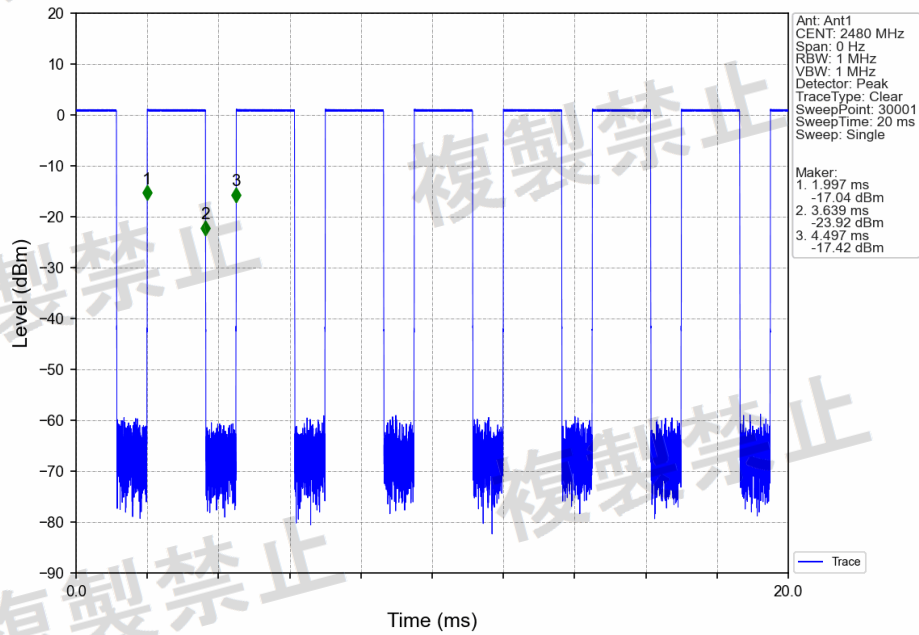
GFSK_DH5_2402MHz_Ant1_NTNV



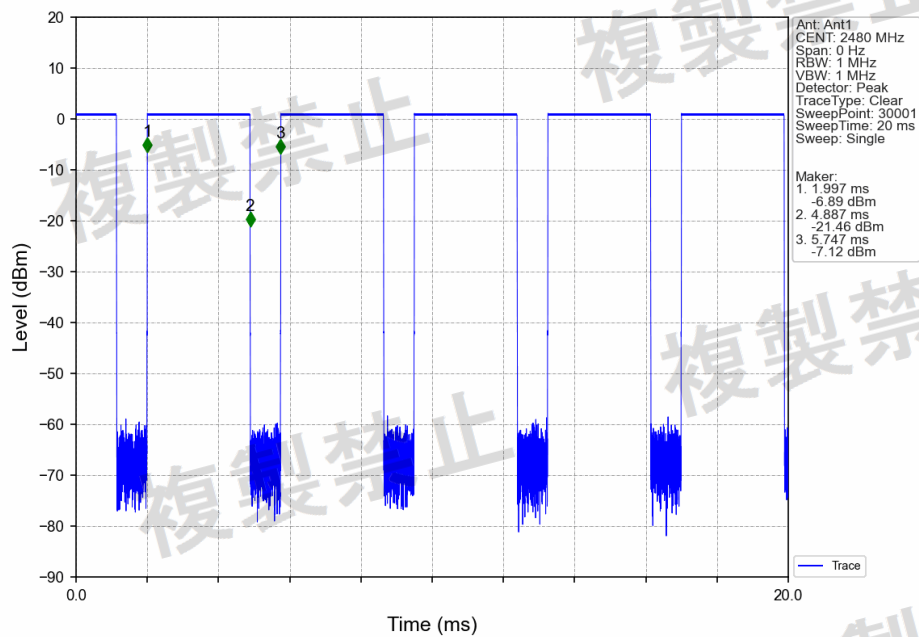
GFSK_DH1_2480MHz_Ant1_NTNV

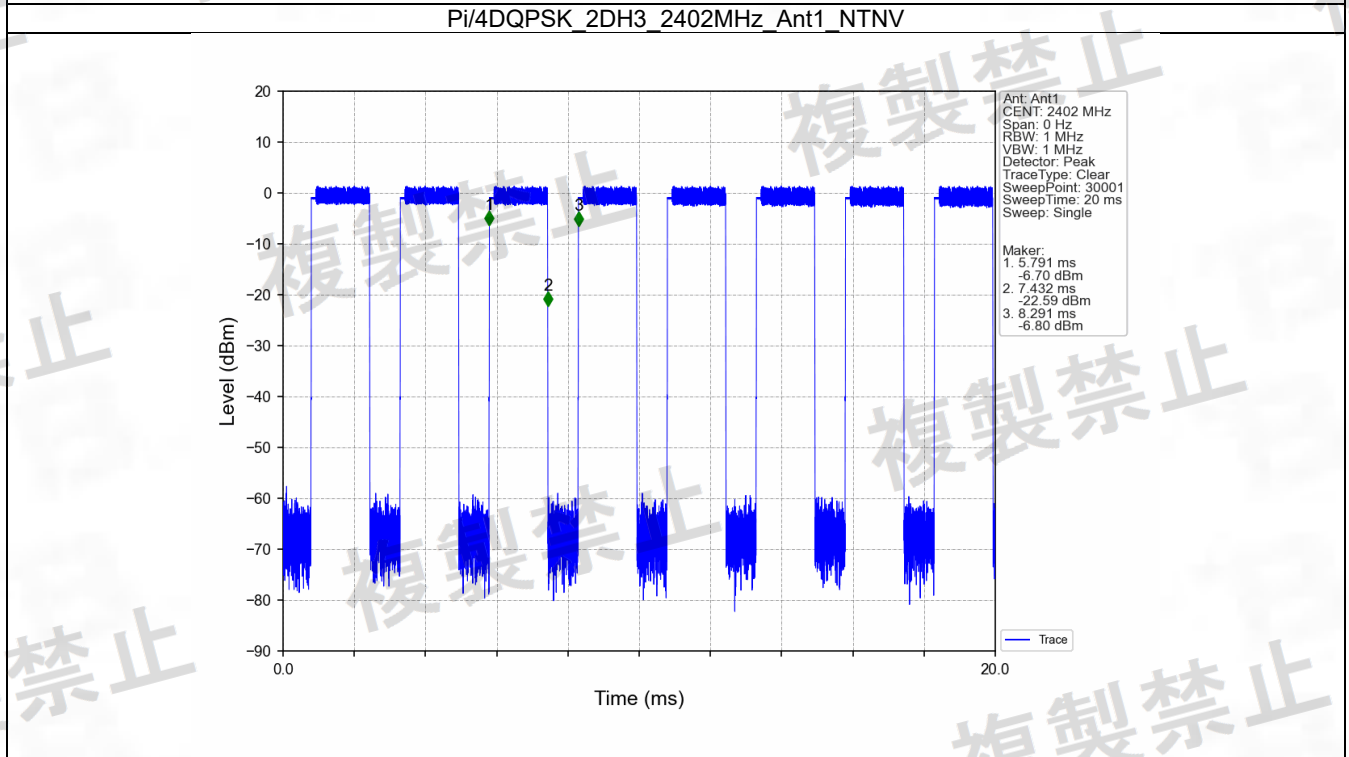
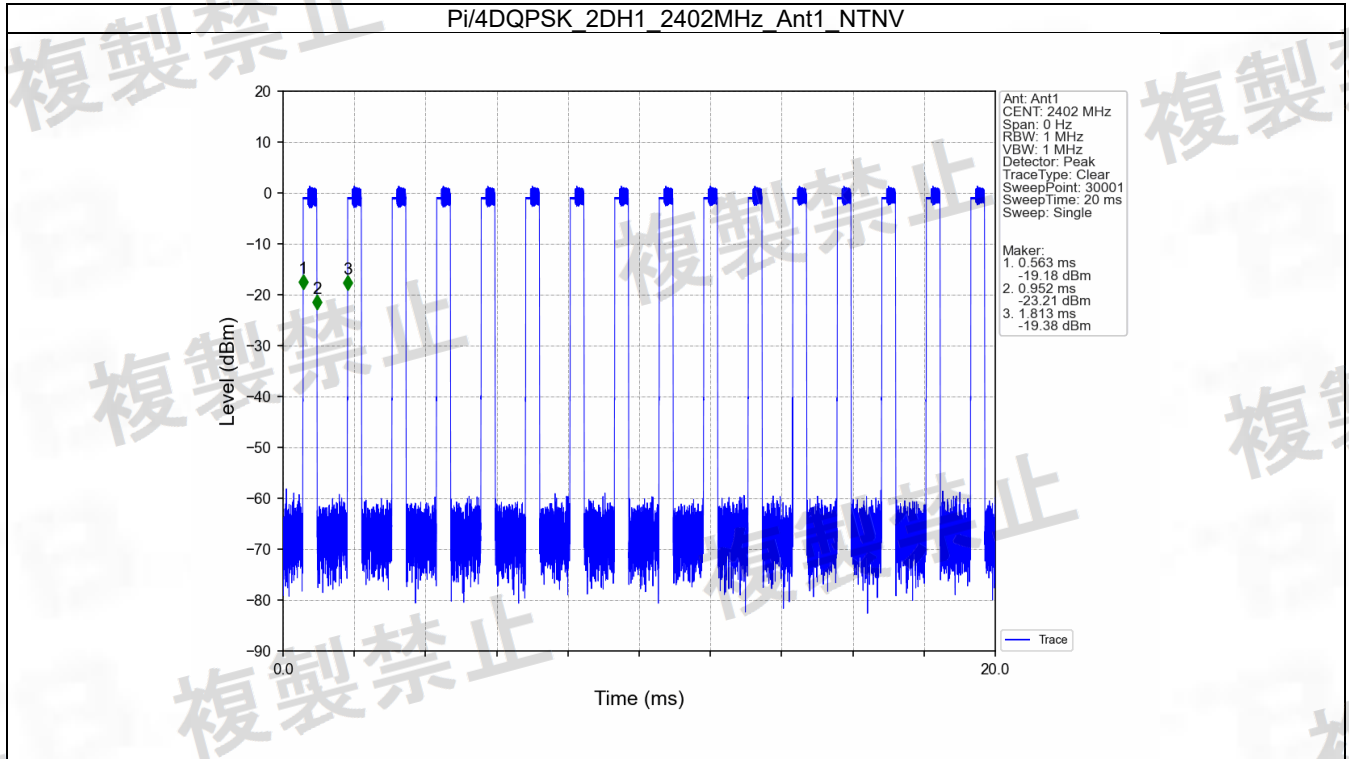


GFSK_DH3_2480MHz_Ant1_NTNV

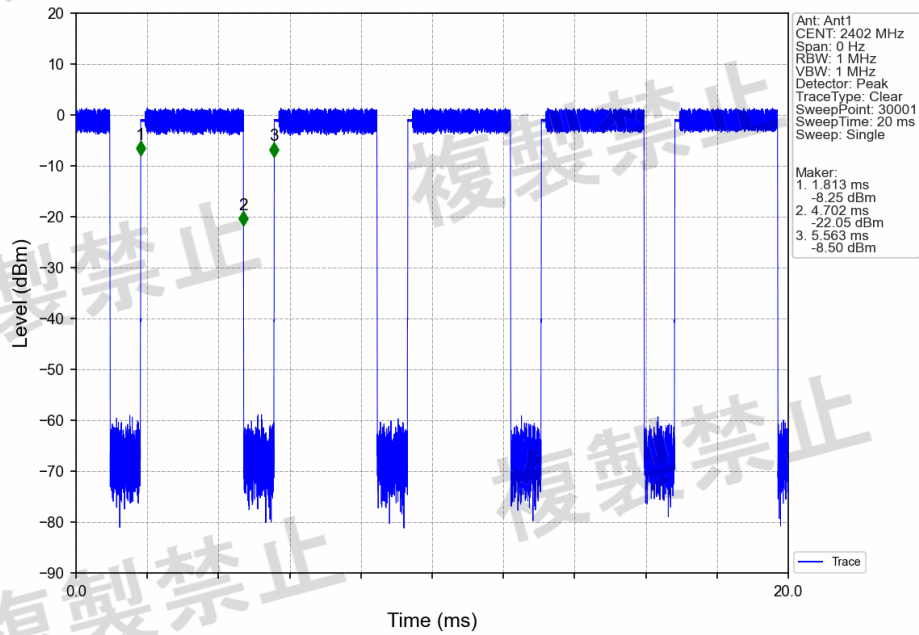


GFSK_DH5_2480MHz_Ant1_NTNV

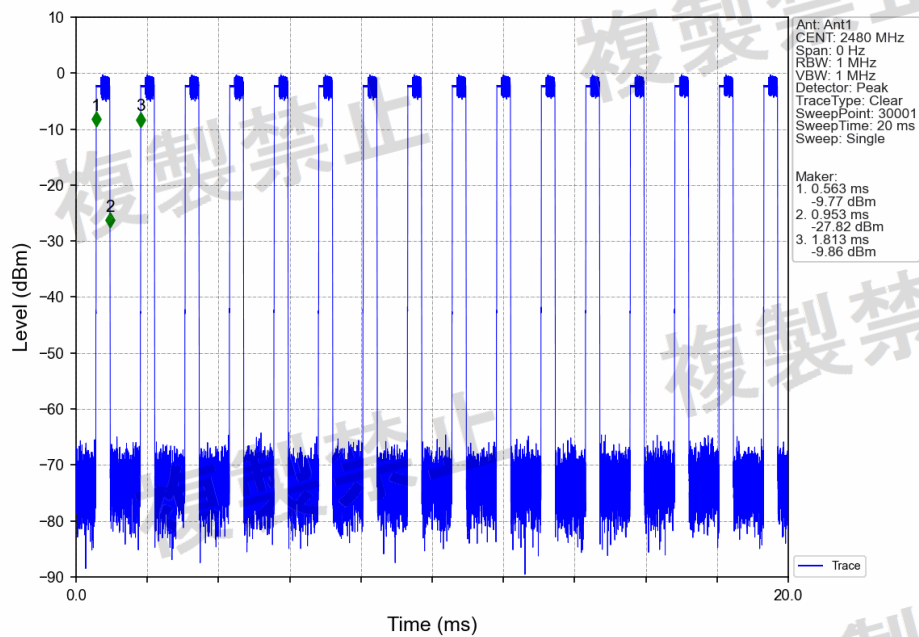


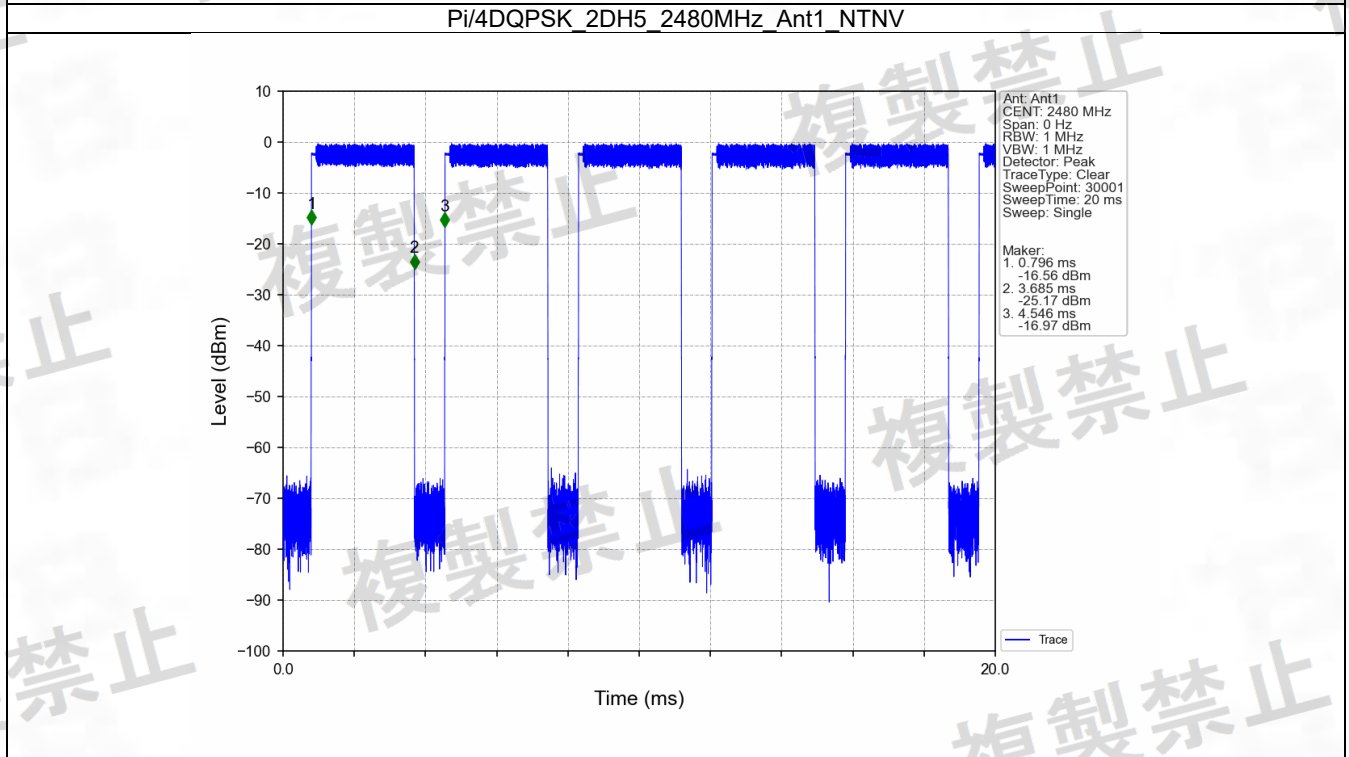
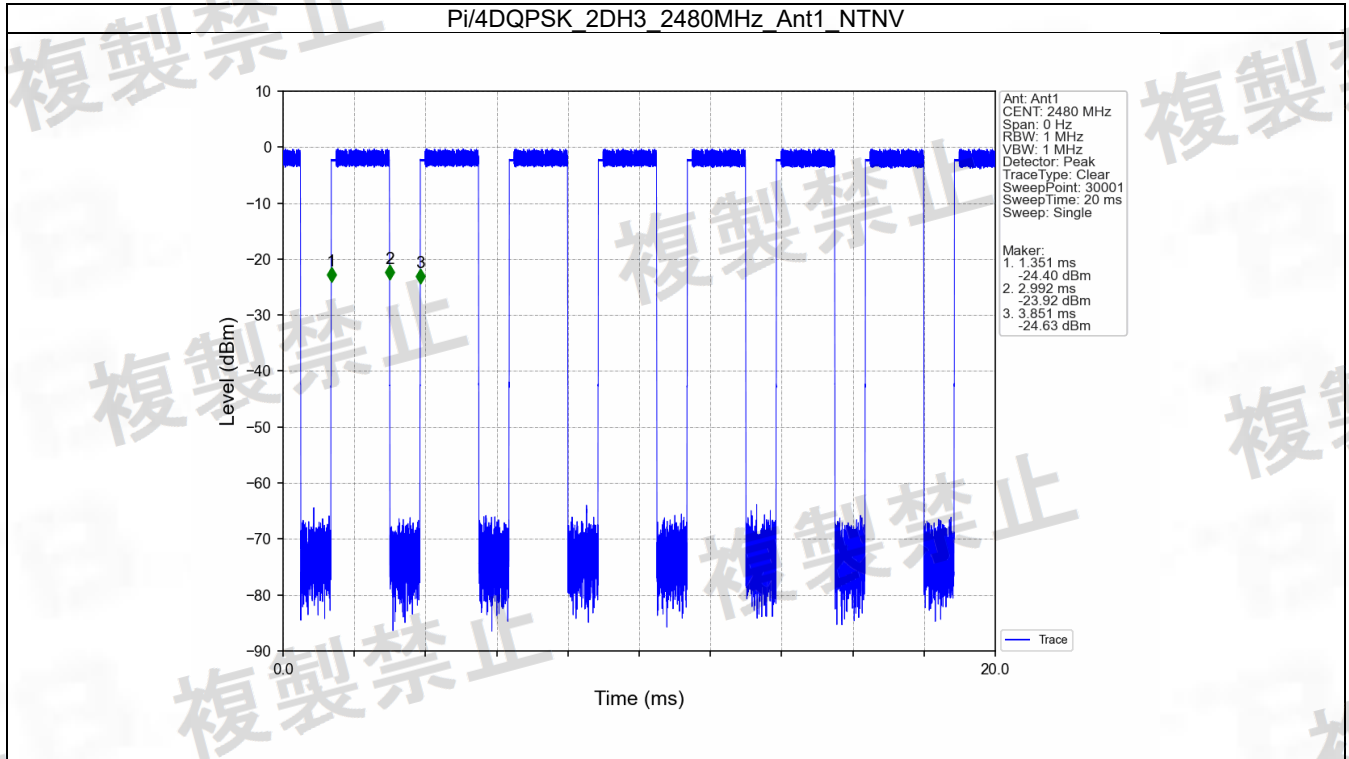


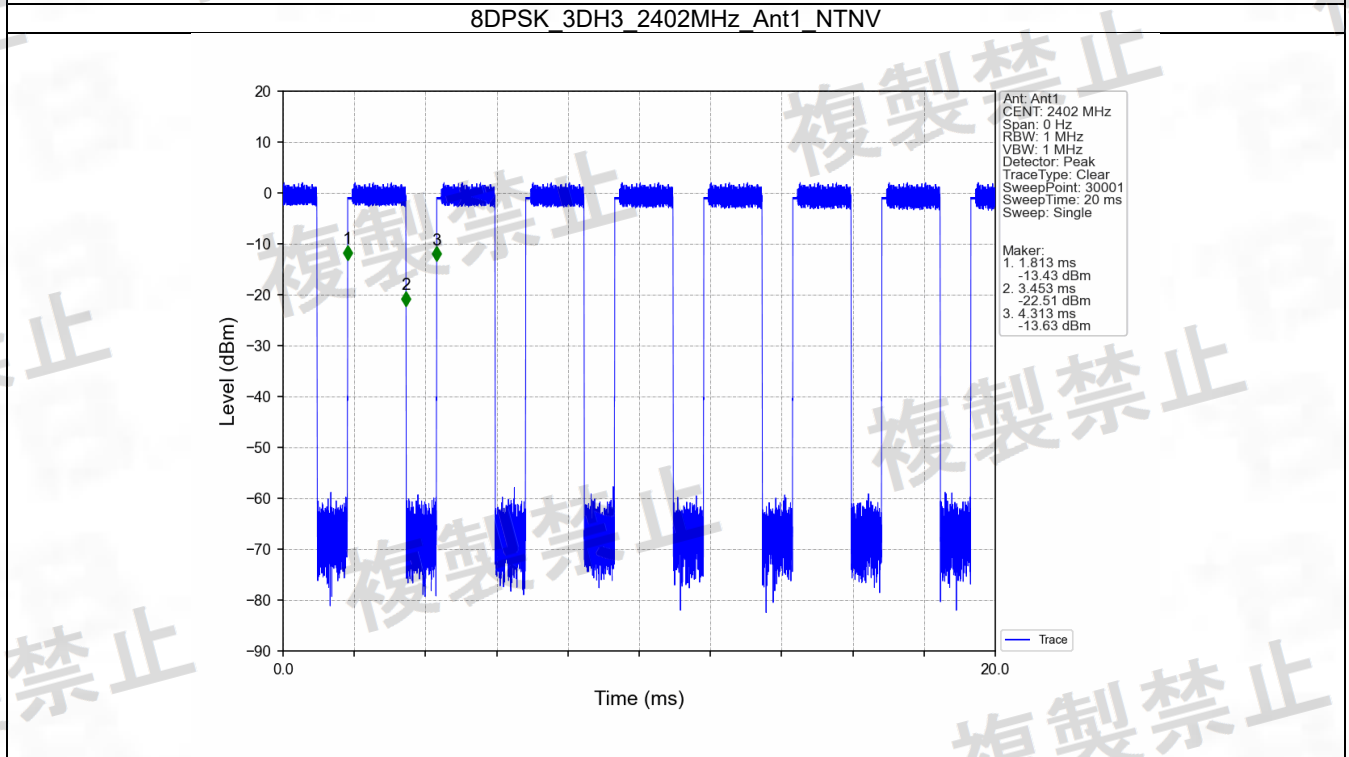
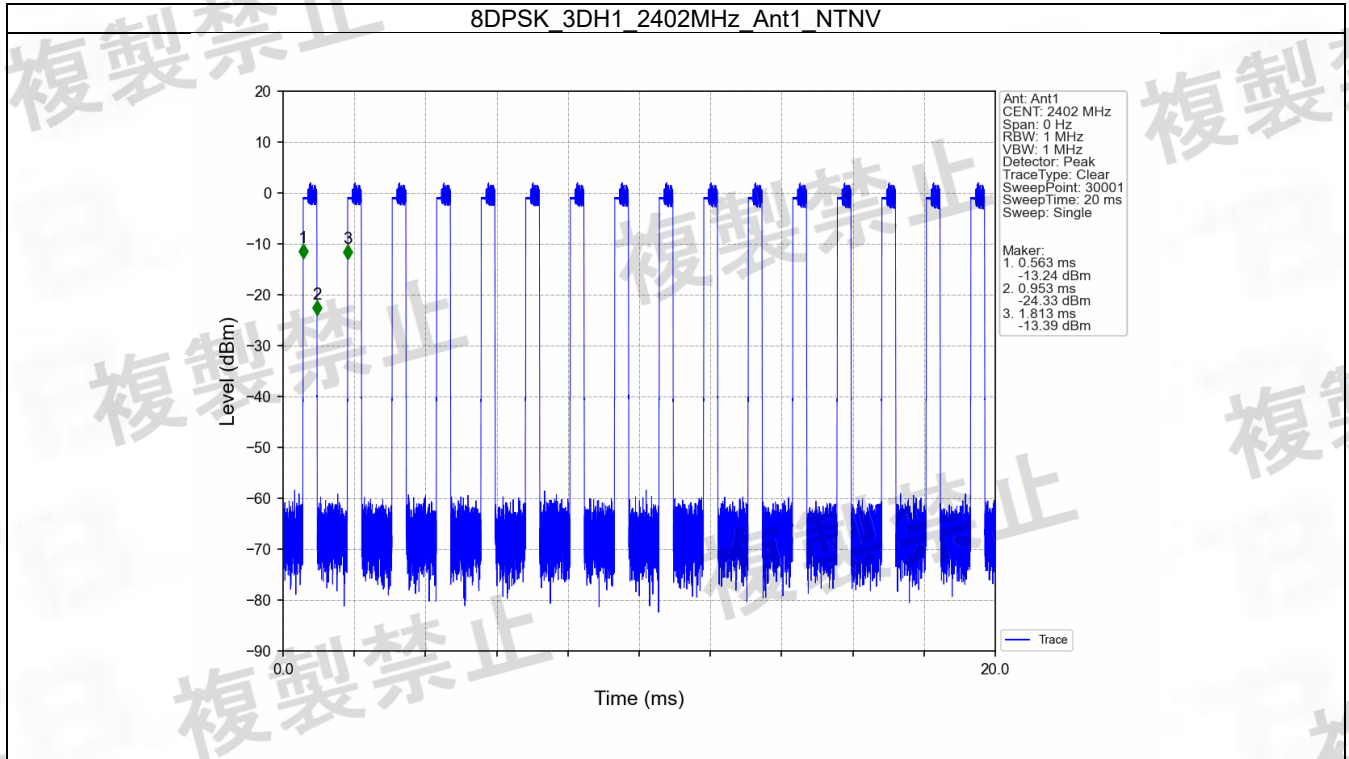
Pi/4DQPSK_2DH5_2402MHz_Ant1_NTNV

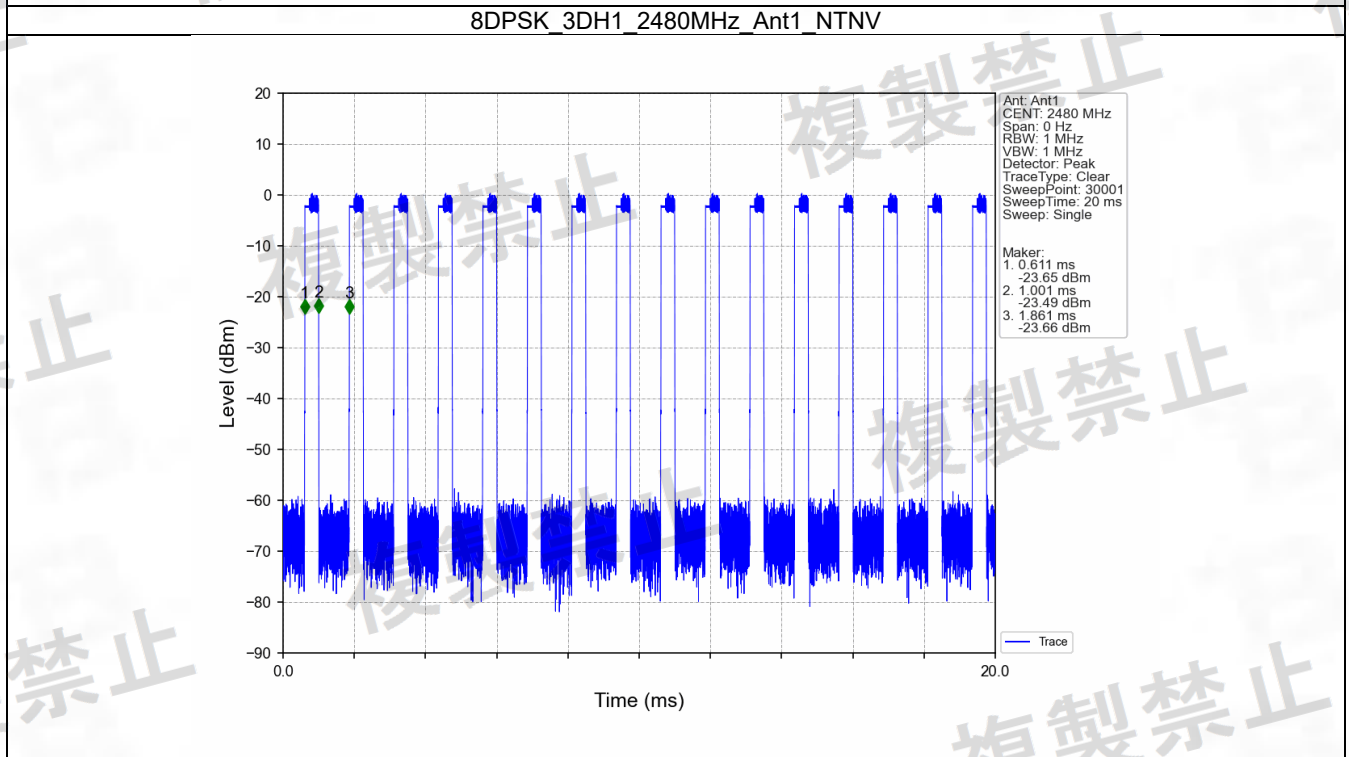
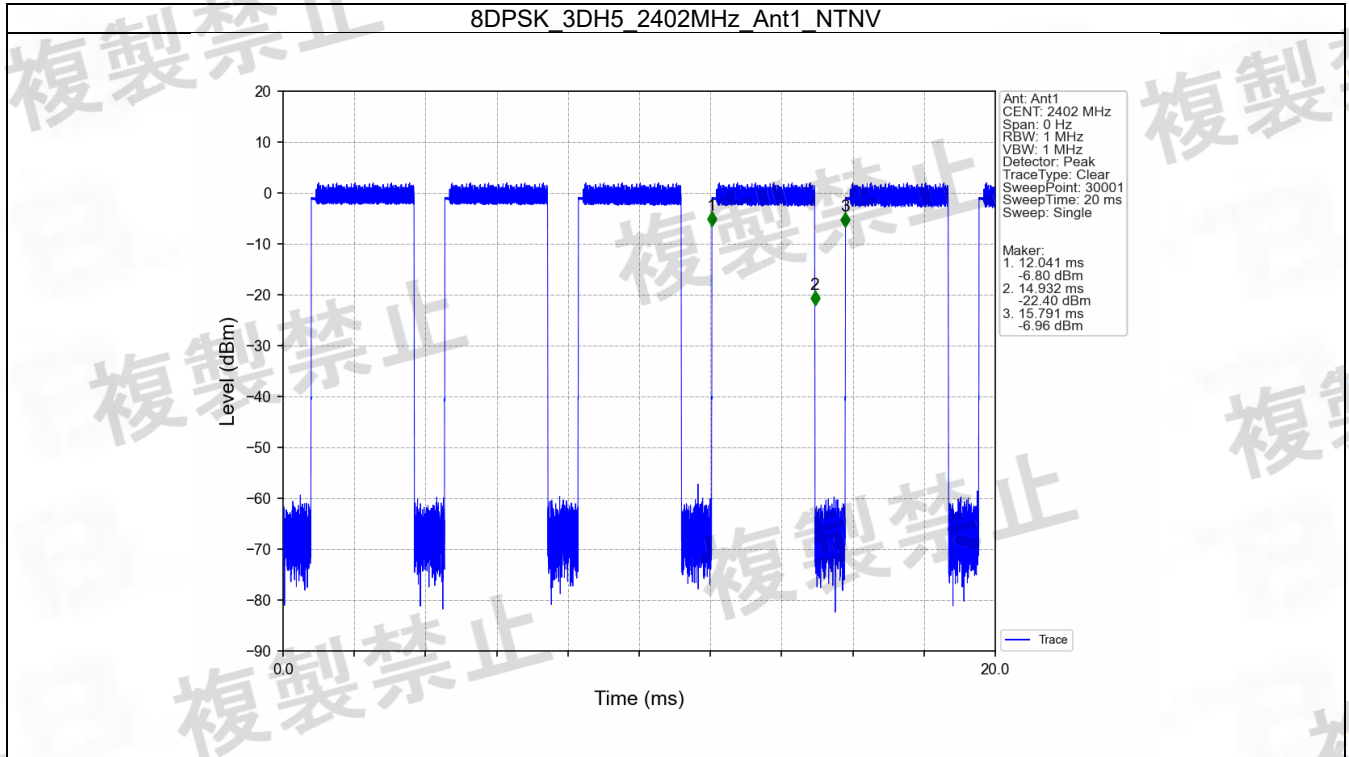


Pi/4DQPSK_2DH1_2480MHz_Ant1_NTNV

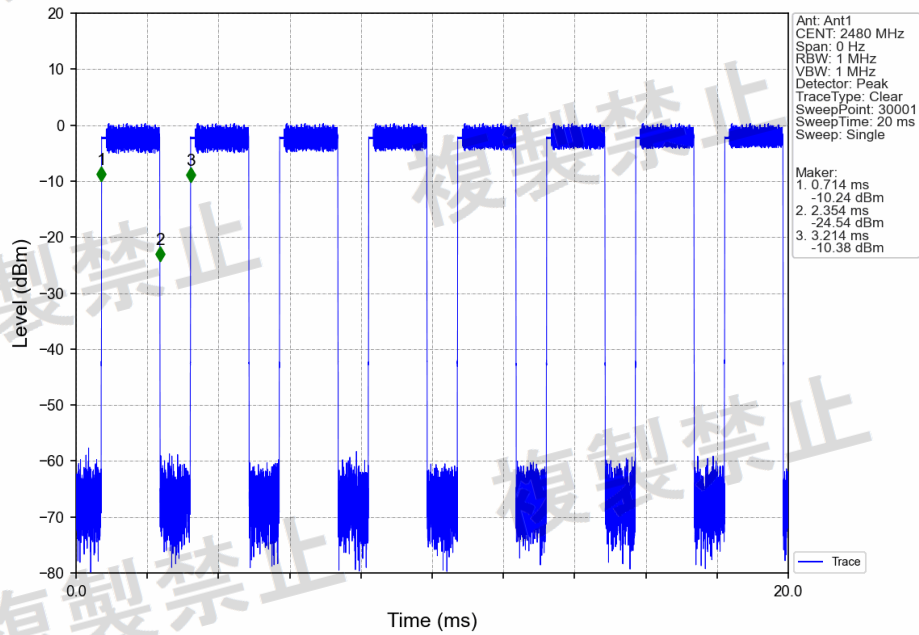




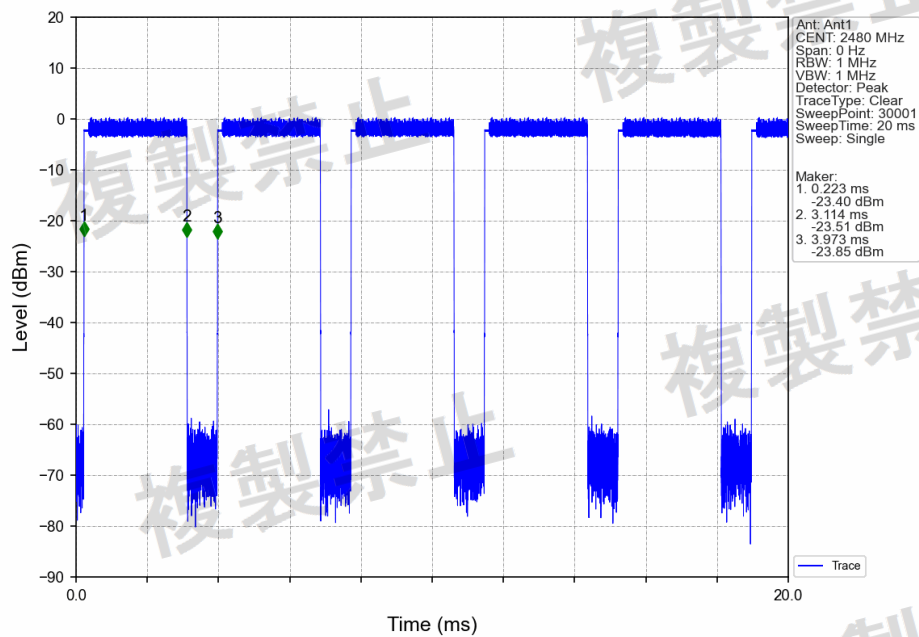




8DPSK_3DH3_2480MHz_Ant1_NTNV



8DPSK_3DH5_2480MHz_Ant1_NTNV



6. Spurious Emission Intensity

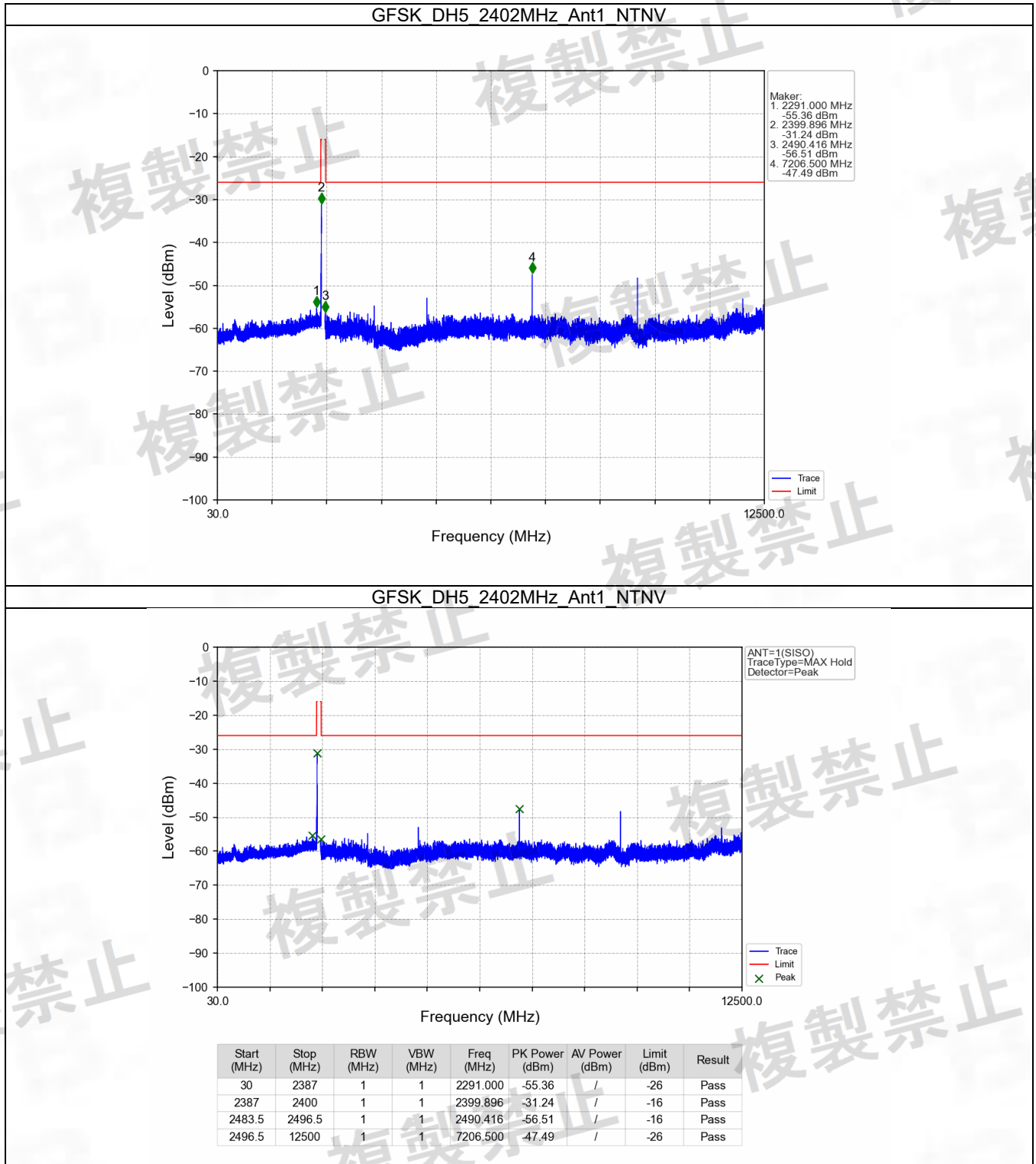
6.1 Test Result

6.1.1 TxSe_NTNV

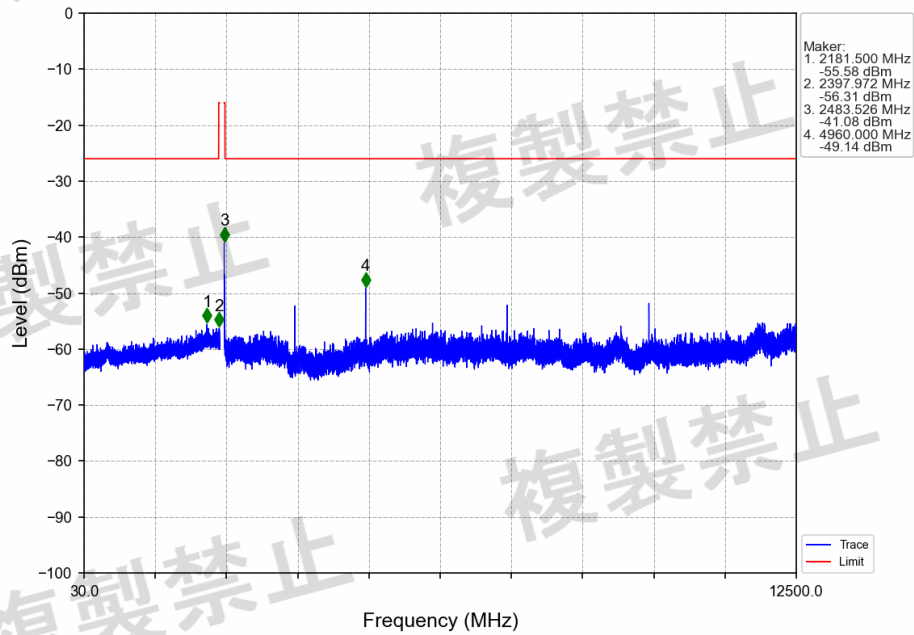
NTNV												
Mode	TX Type	Freq. (MHz)	ANT	Freq. Range		Marker					Limit (uW /MHz)	Verdict
				Start (MHz)	Stop (MHz)	Freq. (MHz)	PK Power (dBm /MHz)	PK Power (uW /MHz)	AV Power (dBm /MHz)	AV Power (uW /MHz)		
GFSK	SISO	2402	1	30	2387	2291	-55.36	0.003	/	/	2.5	Pass
				2387	2400	2399.896	-31.24	0.752	/	/	25	Pass
				2483.5	2496.5	2490.416	-56.51	0.002	/	/	25	Pass
				2496.5	12500	7206.5	-47.49	0.018	/	/	2.5	Pass
		2480	1	30	2387	2181.5	-55.58	0.003	/	/	2.5	Pass
				2387	2400	2397.972	-56.31	0.002	/	/	25	Pass
				2483.5	2496.5	2483.526	-41.08	0.078	/	/	25	Pass
				2496.5	12500	4960	-49.14	0.012	/	/	2.5	Pass
Pi/4DQPSK	SISO	2402	1	30	2387	1772.5	-42.58	0.055	/	/	2.5	Pass
				2387	2400	2399.987	-29.15	1.216	/	/	25	Pass
				2483.5	2496.5	2489.649	-56.51	0.002	/	/	25	Pass
				2496.5	12500	7206.5	-49.39	0.012	/	/	2.5	Pass
		2480	1	30	2387	1240	-60.90	0.001	/	/	2.5	Pass
				2387	2400	2392.642	-62.26	0.001	/	/	25	Pass
				2483.5	2496.5	2483.513	-44.73	0.034	/	/	25	Pass
				2496.5	12500	7440.5	-51.67	0.007	/	/	2.5	Pass
8DPSK	SISO	2402	1	30	2387	2354	-55.74	0.003	/	/	2.5	Pass
				2387	2400	2399.987	-27.94	1.607	/	/	25	Pass
				2483.5	2496.5	2488.336	-55.47	0.003	/	/	25	Pass
				2496.5	12500	7206.5	-49.05	0.012	/	/	2.5	Pass
		2480	1	30	2387	1729.5	-53.08	0.005	/	/	2.5	Pass
				2387	2400	2392.967	-56.35	0.002	/	/	25	Pass
				2483.5	2496.5	2483.578	-44.05	0.039	/	/	25	Pass
				2496.5	12500	7440.5	-51.90	0.006	/	/	2.5	Pass

6.2 Test Graph

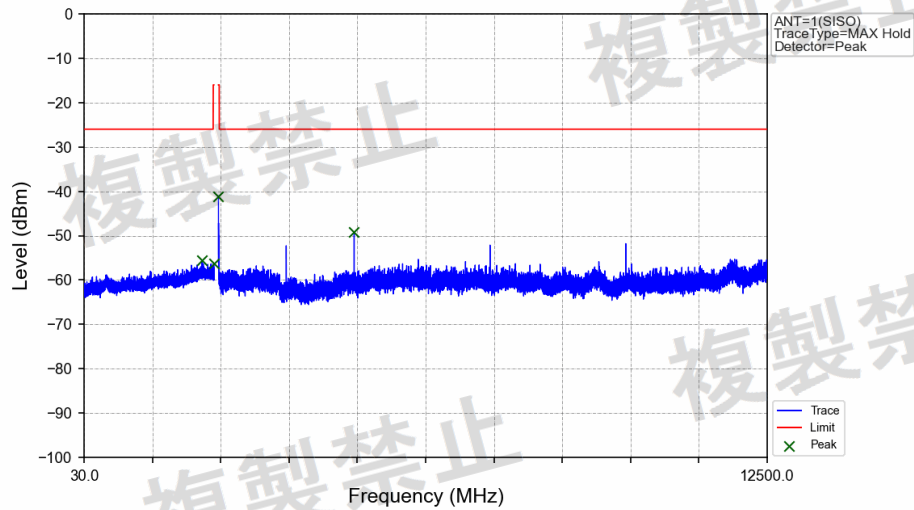
6.2.1 TxSe_NTNV



GFSK_DH5_2480MHz_Ant1_NTNV

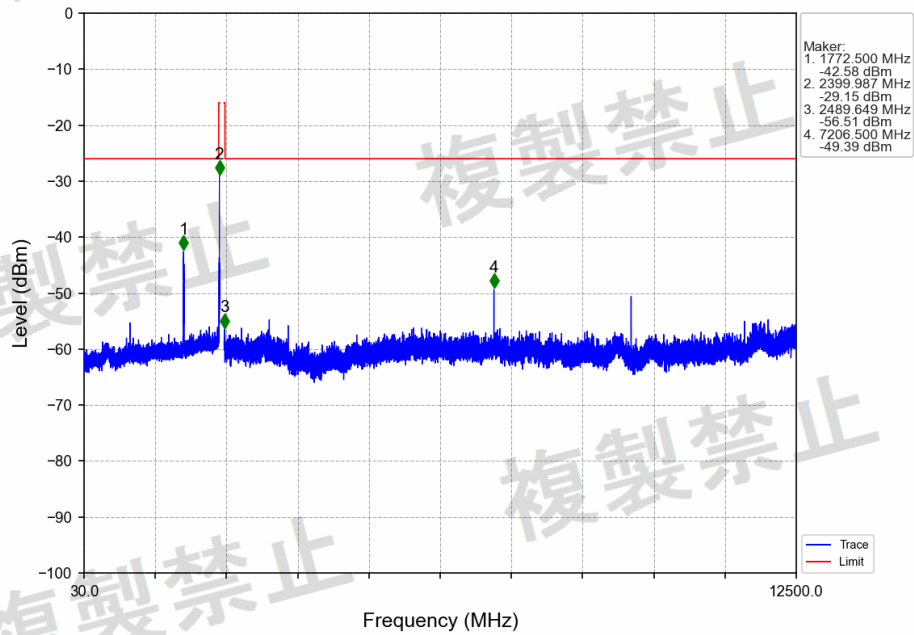


GFSK_DH5_2480MHz_Ant1_NTNV

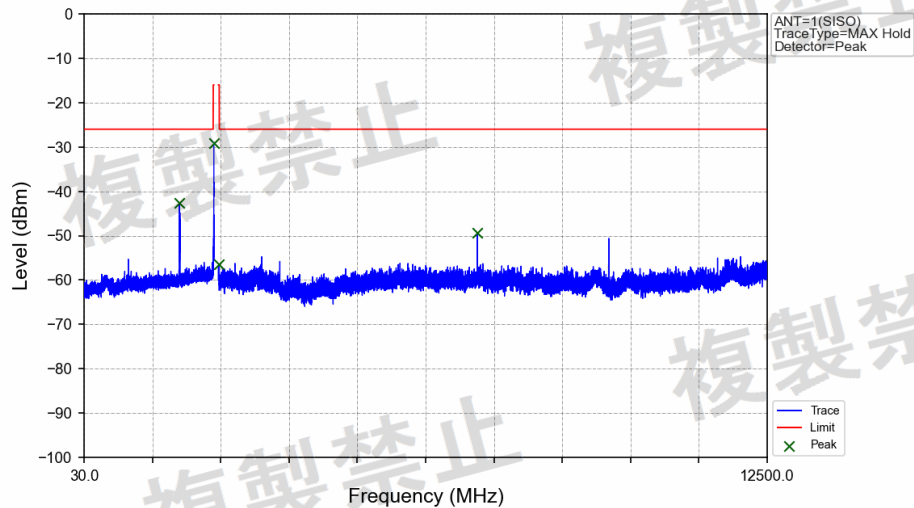


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	2181.500	-55.58	/	-26	Pass
2387	2400	1	1	2397.972	-56.31	/	-16	Pass
2483.5	2496.5	1	1	2483.526	-41.08	/	-16	Pass
2496.5	12500	1	1	4960.000	-49.14	/	-26	Pass

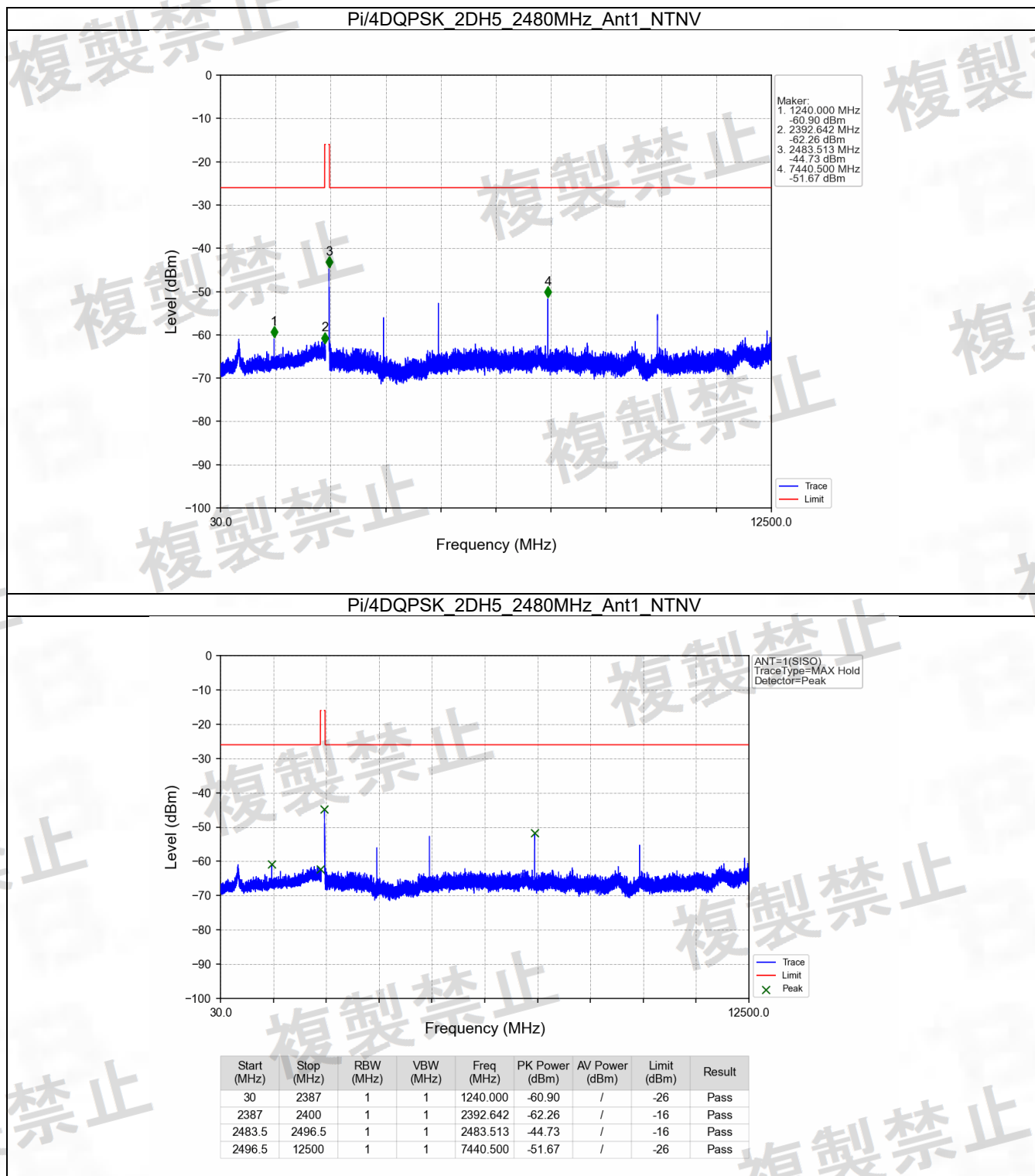
Pi/4DQPSK_2DH5_2402MHz_Ant1_NTNV



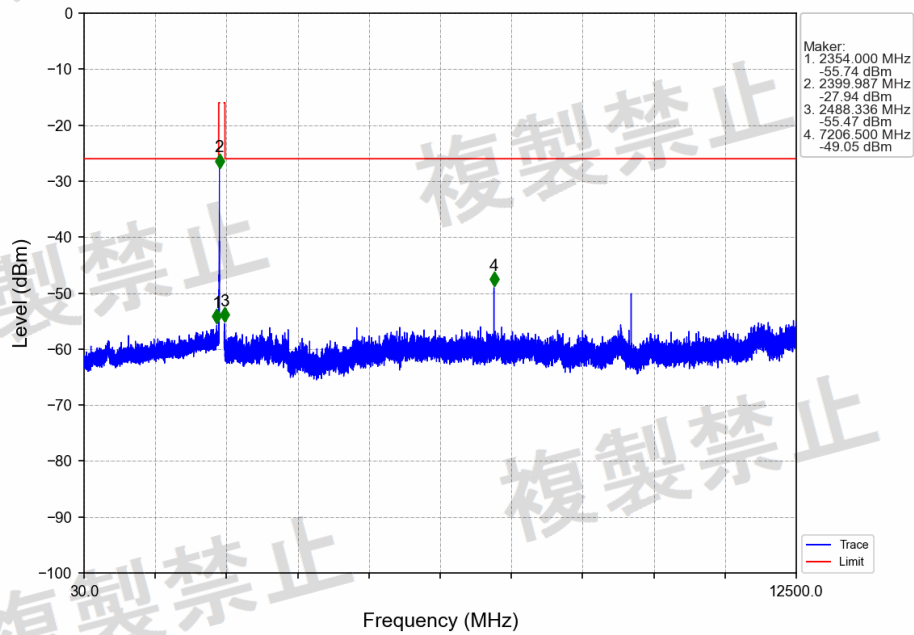
Pi/4DQPSK_2DH5_2402MHz_Ant1_NTNV



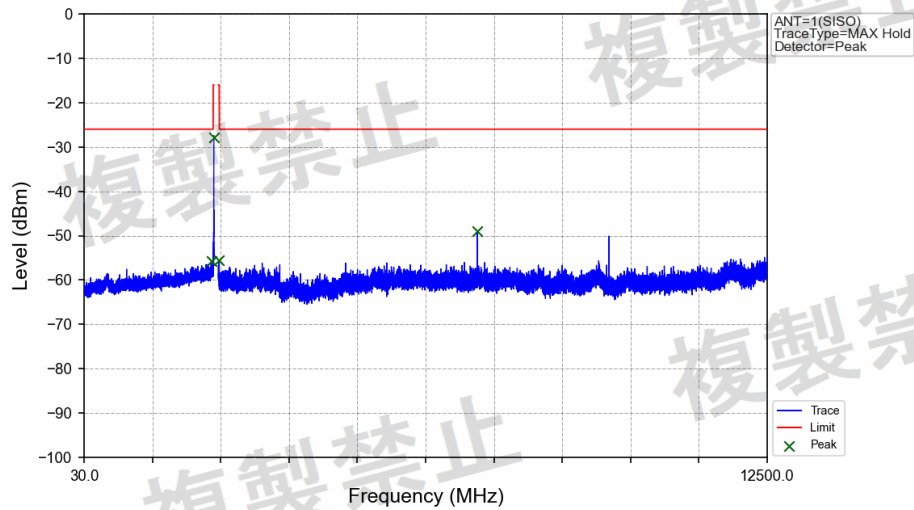
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	1772.500	-42.58	/	-26	Pass
2387	2400	1	1	2399.987	-29.15	/	-16	Pass
2483.5	2496.5	1	1	2489.649	-56.51	/	-16	Pass
2496.5	12500	1	1	7206.500	-49.39	/	-26	Pass



8DPSK_3DH5_2402MHz_Ant1_NTNV

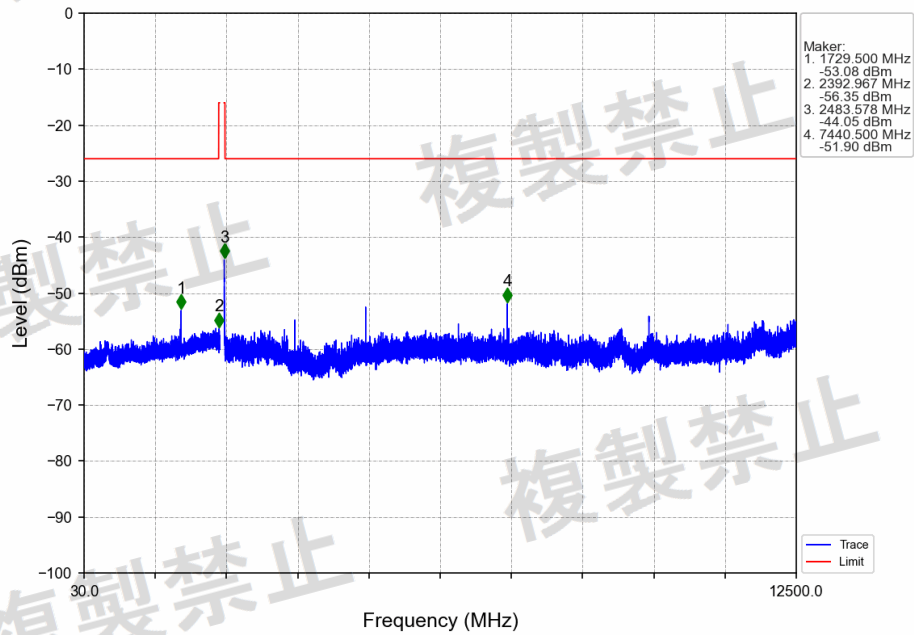


8DPSK_3DH5_2402MHz_Ant1_NTNV

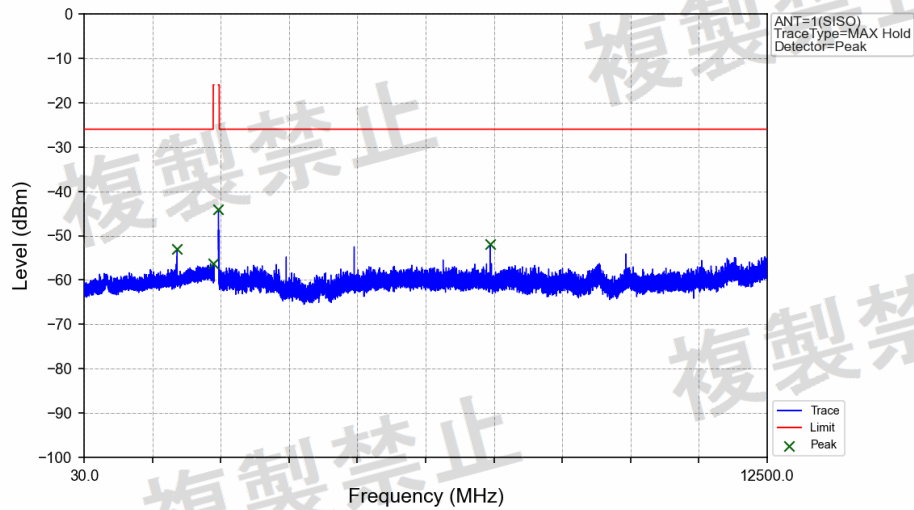


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	2354.000	-55.74	/	-26	Pass
2387	2400	1	1	2399.987	-27.94	/	-16	Pass
2483.5	2496.5	1	1	2488.336	-55.47	/	-16	Pass
2496.5	12500	1	1	7206.500	-49.05	/	-26	Pass

8DPSK_3DH5_2480MHz_Ant1_NTNV



8DPSK_3DH5_2480MHz_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	1729.500	-53.08	/	-26	Pass
2387	2400	1	1	2392.967	-56.35	/	-16	Pass
2483.5	2496.5	1	1	2483.578	-44.05	/	-16	Pass
2496.5	12500	1	1	7440.500	-51.90	/	-26	Pass

7. Secondary Radiated Emission

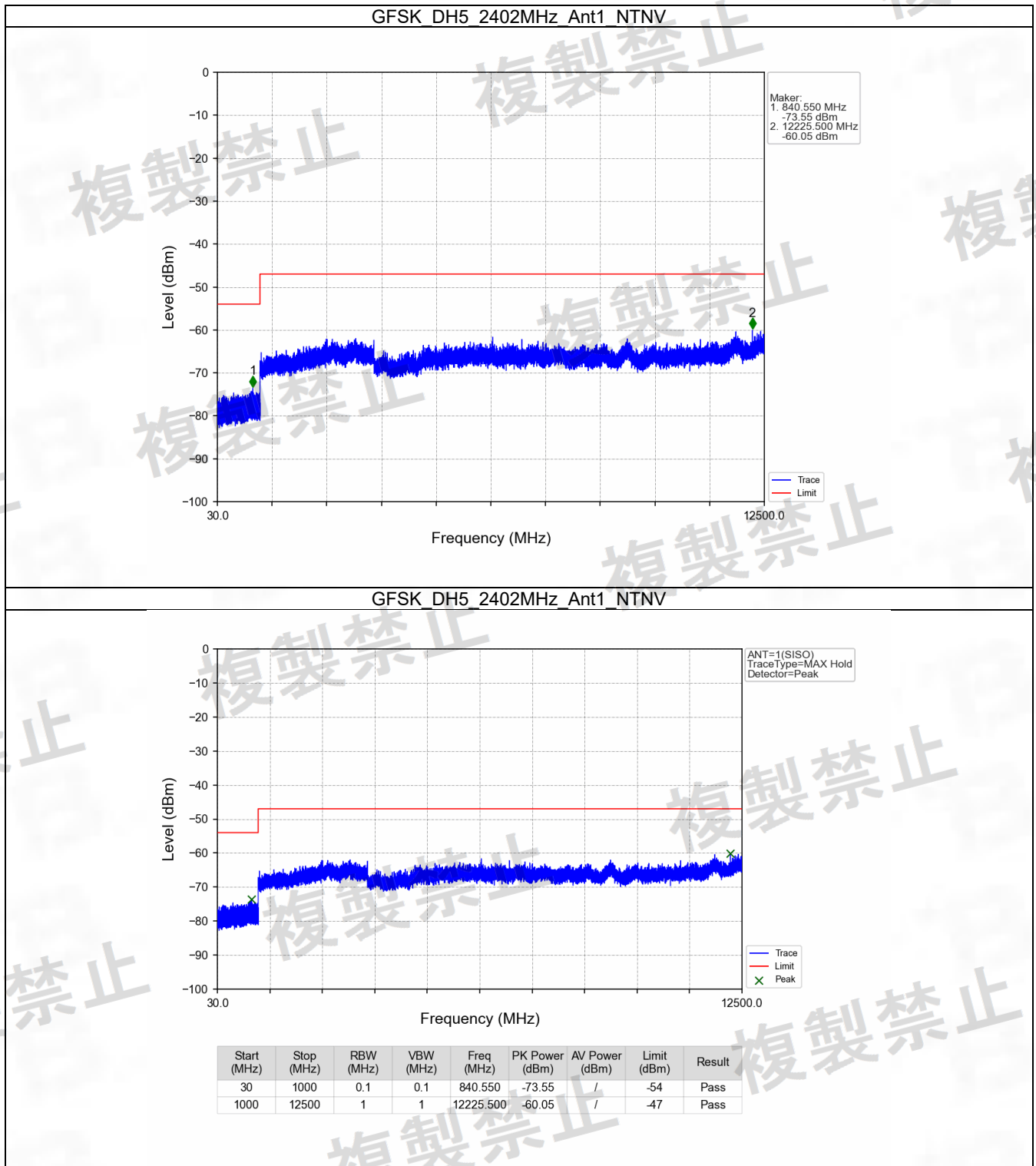
7.1 Test Result

7.1.1 RxSe_NTNV

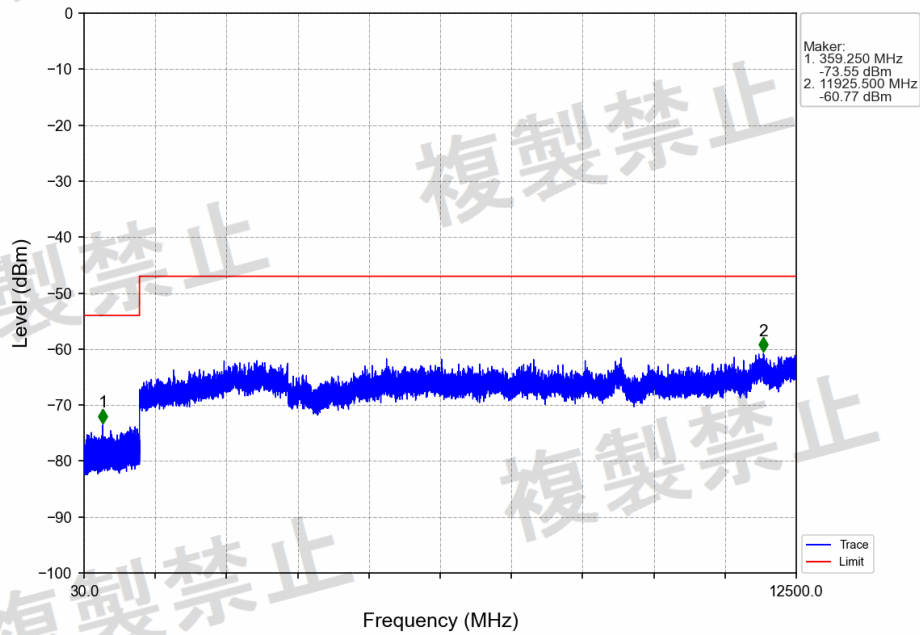
NTNV												
Mode	TX Type	Freq. (MHz)	ANT	Freq. Range		Marker					Limit (nW)	Verdict
				Start (MHz)	Stop (MHz)	Freq. (MHz)	PK Power (dBm)	PK Power (nW)	AV Power (dBm)	AV Power (nW)		
GFSK	SISO	2402	1	30	1000	840.55	-73.55	0.044	/	/	4	Pass
				1000	12500	12225.5	-60.05	0.989	/	/	20	Pass
		2480	1	30	1000	359.25	-73.55	0.044	/	/	4	Pass
				1000	12500	11925.5	-60.77	0.838	/	/	20	Pass
Pi/4DQPSK	SISO	2402	1	30	1000	942.2	-73.54	0.044	/	/	4	Pass
				1000	12500	11831	-60.71	0.849	/	/	20	Pass
		2480	1	30	1000	806.5	-72.88	0.052	/	/	4	Pass
				1000	12500	12437.5	-60.08	0.982	/	/	20	Pass
8DPSK	SISO	2402	1	30	1000	962.35	-73.57	0.044	/	/	4	Pass
				1000	12500	11930	-60.49	0.893	/	/	20	Pass
		2480	1	30	1000	897.1	-73.57	0.044	/	/	4	Pass
				1000	12500	11846.5	-57.96	1.600	/	/	20	Pass

7.2 Test Graph

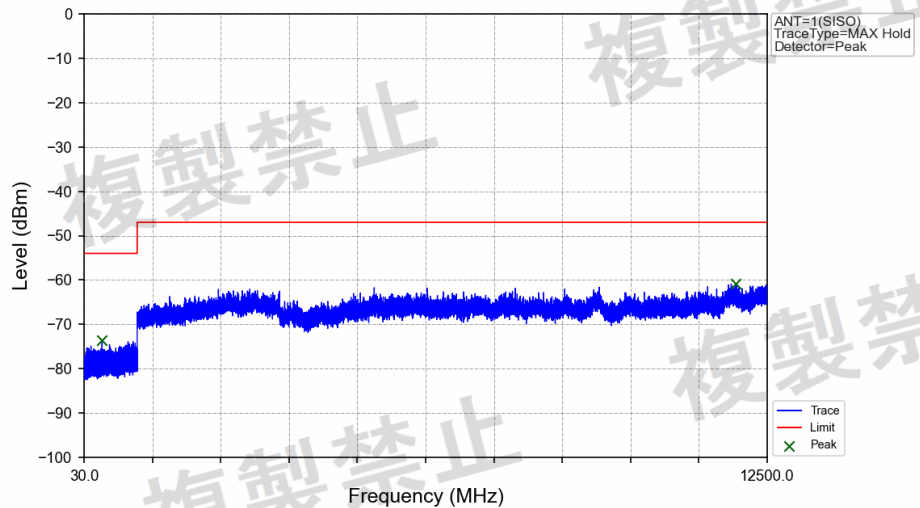
7.2.1 RxSe_NTNV



GFSK_DH5_2480MHz_Ant1_NTNV

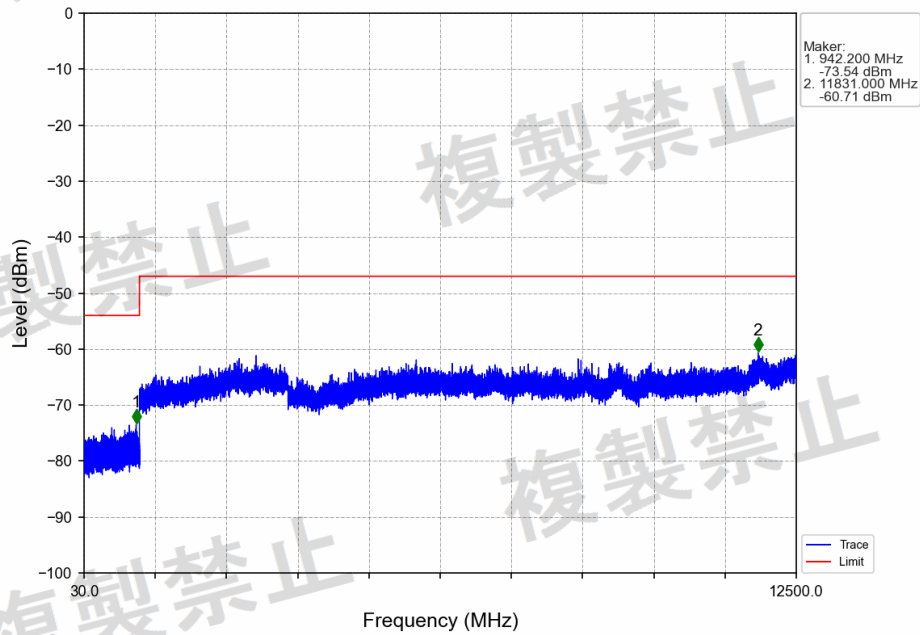


GFSK_DH5_2480MHz_Ant1_NTNV

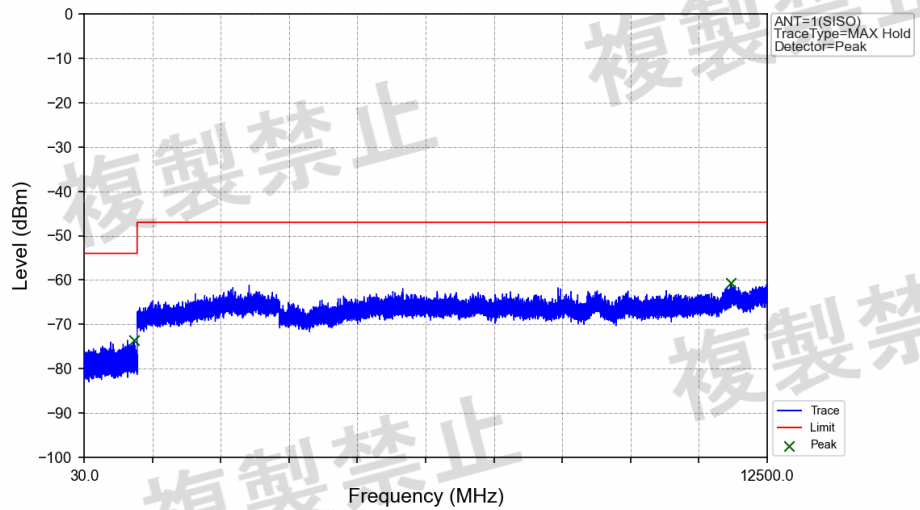


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	359.250	-73.55	/	-54	Pass
1000	12500	1	1	11925.500	-60.77	/	-47	Pass

Pi/4DQPSK_2DH5_2402MHz_Ant1_NTNV

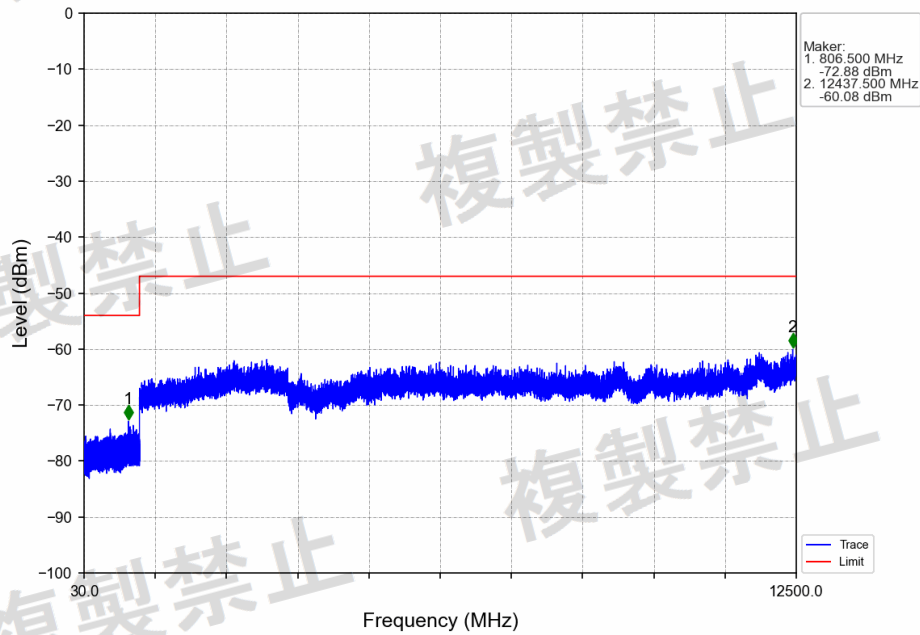


Pi/4DQPSK_2DH5_2402MHz_Ant1_NTNV

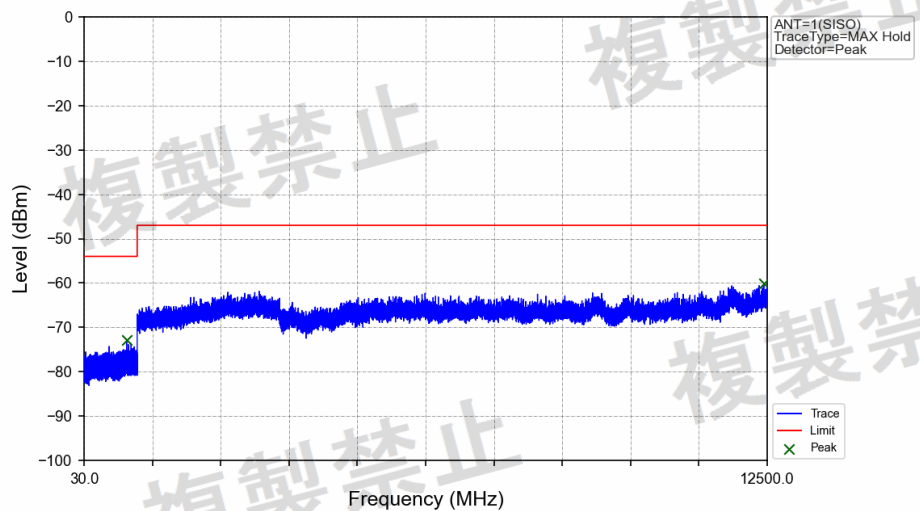


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	942.200	-73.54	/	-54	Pass
1000	12500	1	1	11831.000	-60.71	/	-47	Pass

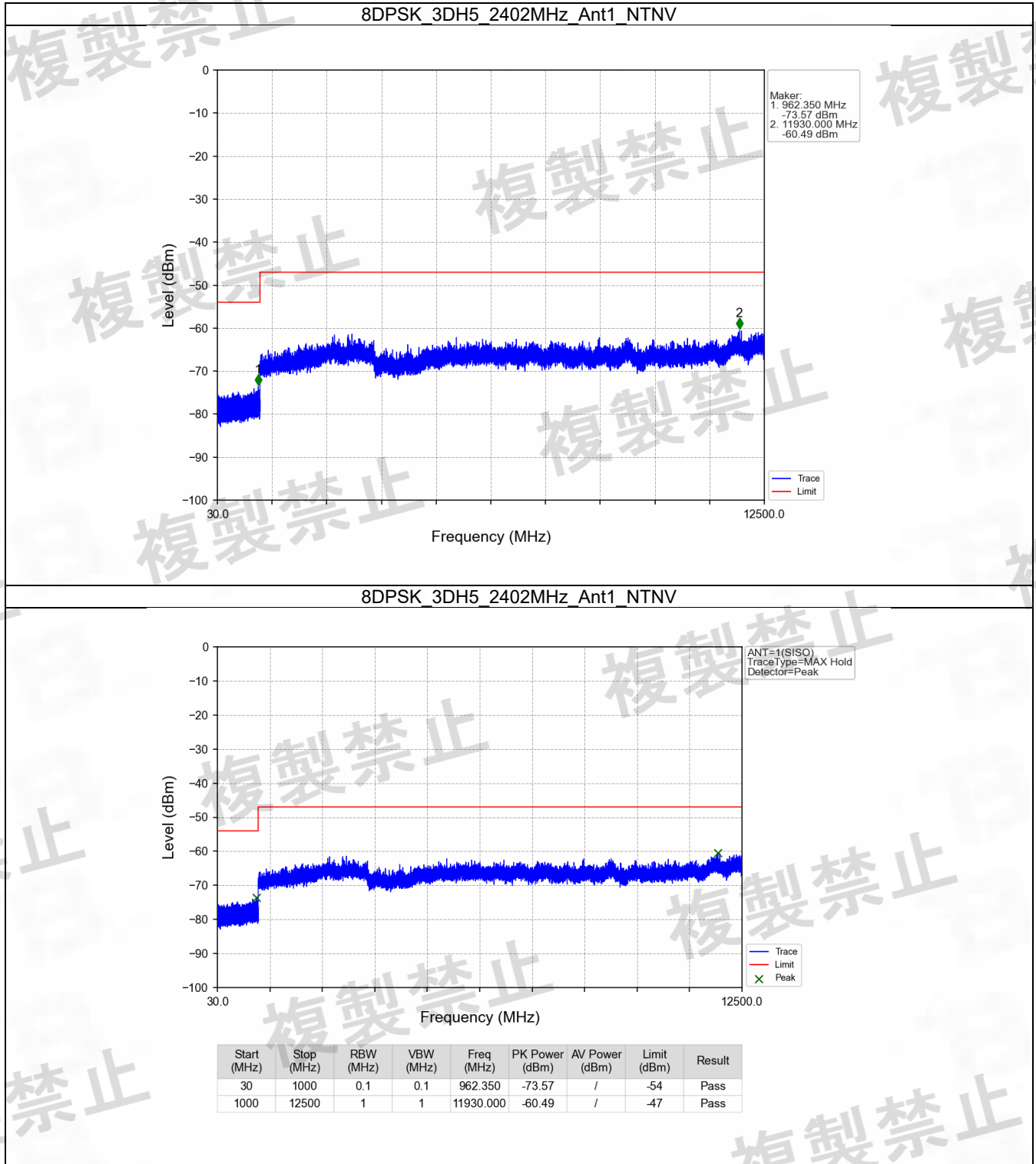
Pi/4DQPSK_2DH5_2480MHz_Ant1_NTNV

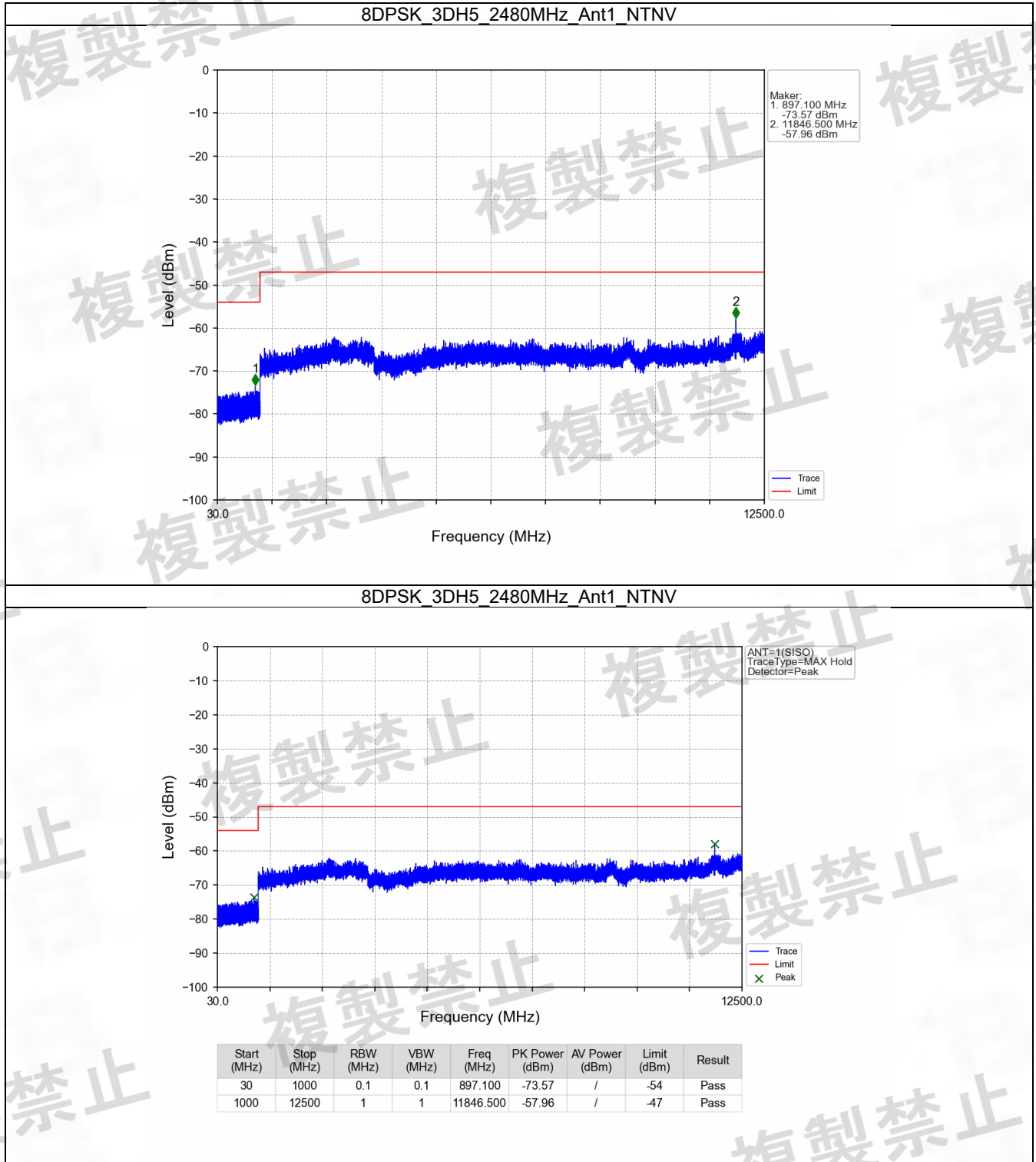


Pi/4DQPSK_2DH5_2480MHz_Ant1_NTNV



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	806.500	-72.88	/	-54	Pass
1000	12500	1	1	12437.500	-60.08	/	-47	Pass



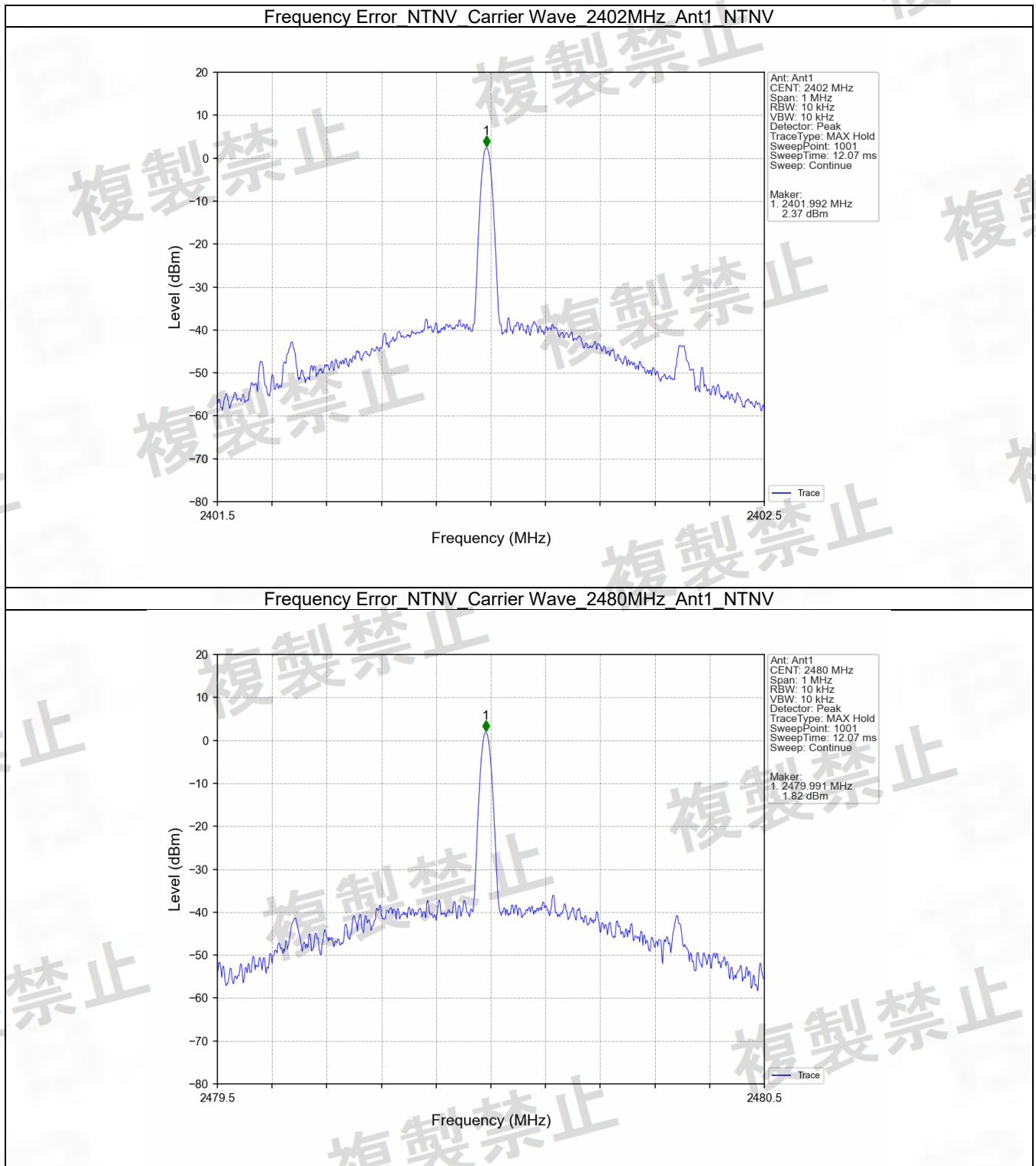


BT-R**1. Frequency Error****1.1 Test Result****1.1.1 Ant1**

Ant1								
ENV	Mode	TX Type	Frequency (MHz)	Packet Type	Measured Frequency (MHz)	Tolerance (ppm)		Verdict
						Result	Limit	
NTNV	Carrier Wave	SISO	2402	DH5	2401.992	-3.33	-50 to 50	Pass
			2480	DH5	2479.991	-3.63	-50 to 50	Pass

1.2 Test Graph

1.2.1 Ant1



2. Occupied Bandwidth

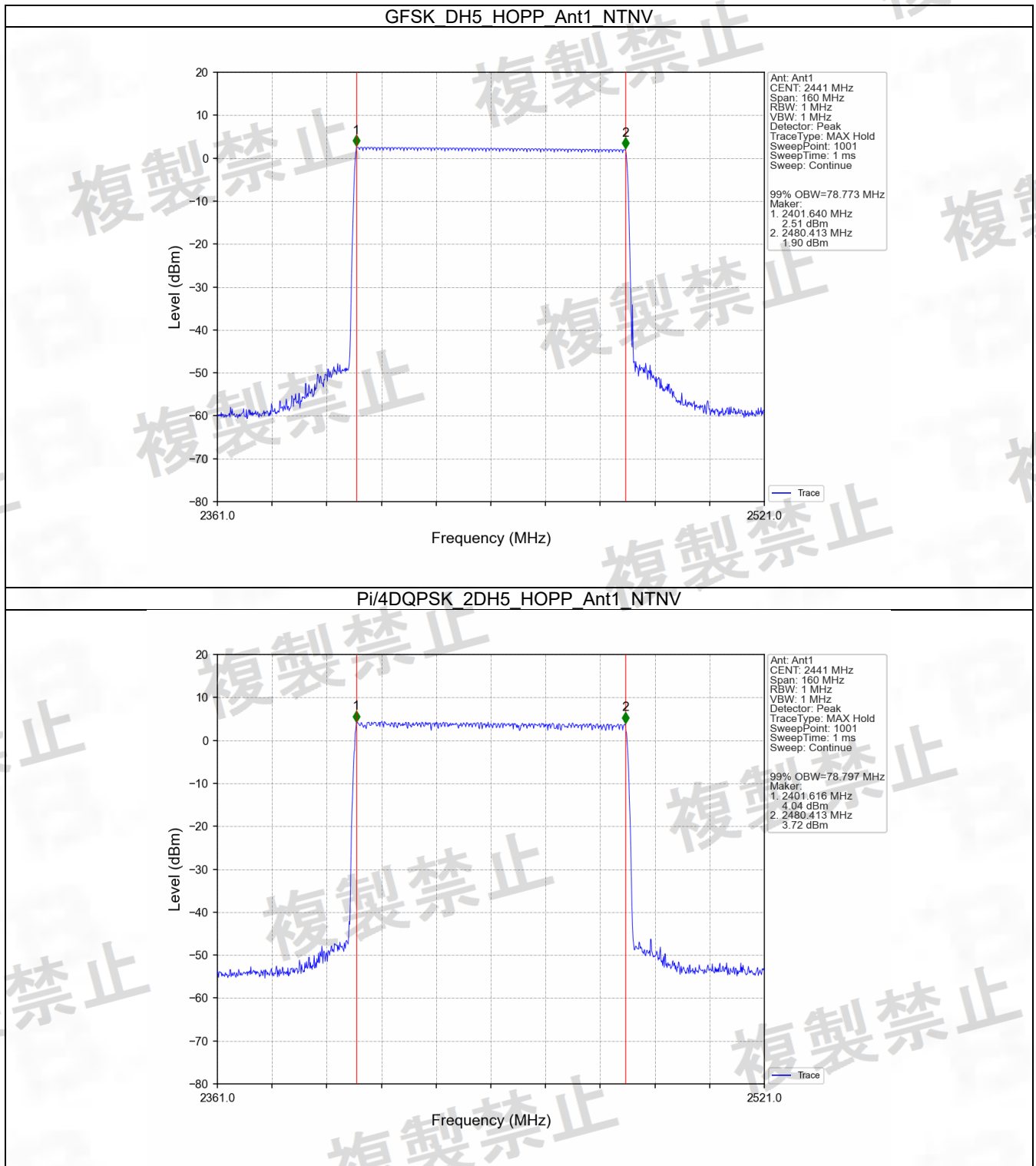
2.1 Test Result

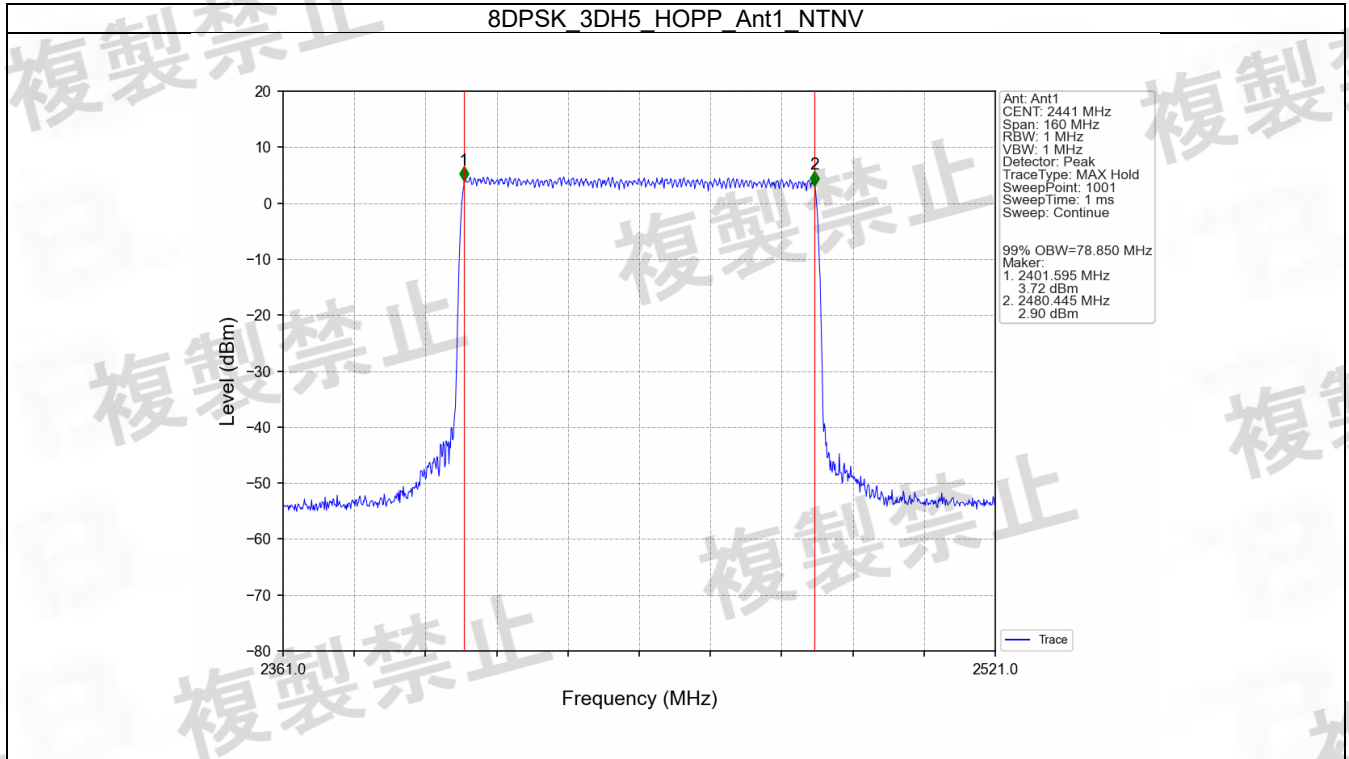
2.1.1 OBW

ENV	Mode	TX Type	Frequency (MHz)	Packet Type	99% Occupied Bandwidth (MHz)		Verdict
					ANT1	Limit	
NTNV	GFSK	SISO	HOPP	DH5	78.773	≤ 83.5	Pass
	Pi/4DQPSK	SISO	HOPP	2DH5	78.797	≤ 83.5	Pass
	8DPSK	SISO	HOPP	3DH5	78.850	≤ 83.5	Pass

2.2 Test Graph

2.2.1 OBW





3. Spread Bandwidth

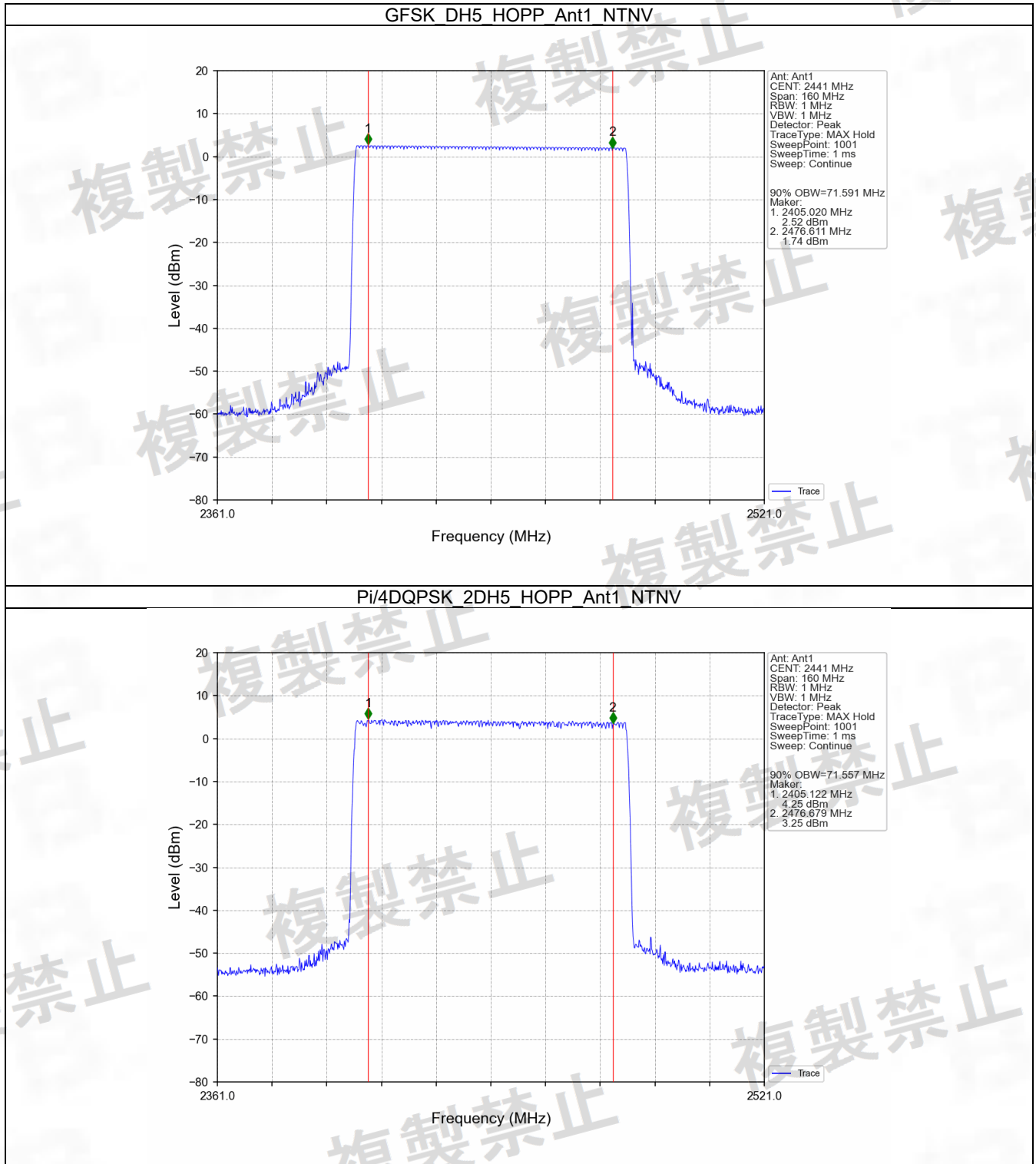
3.1 Test Result

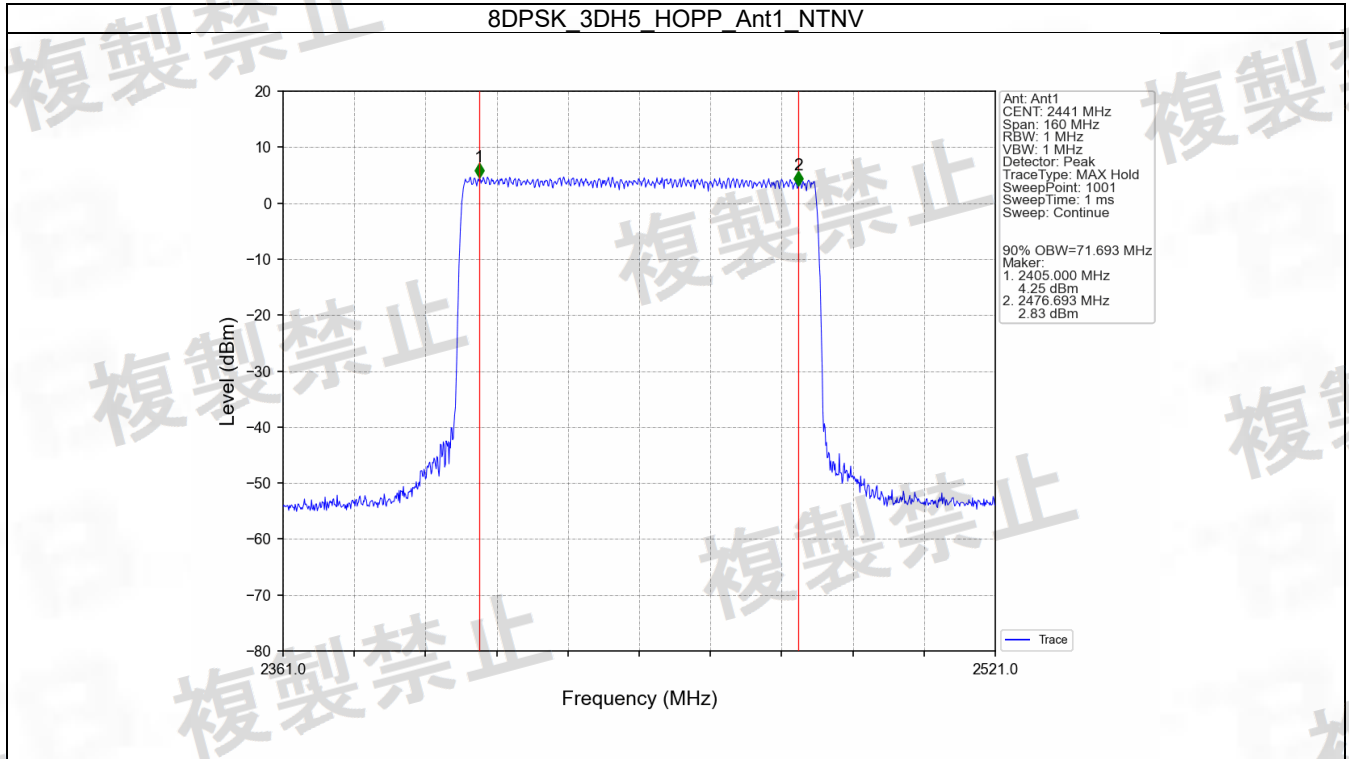
3.1.1 SPBW

ENV	Mode	TX Type	Frequency (MHz)	Packet Type	Spread Bandwidth (MHz)		Verdict
					ANT1	Limit	
NTNV	GFSK	SISO	HOPP	DH5	71.591	/	Only For Report
	Pi/4DQPSK	SISO	HOPP	2DH5	71.557	/	Only For Report
	8DPSK	SISO	HOPP	3DH5	71.693	/	Only For Report

3.2 Test Graph

3.2.1 SPBW





4. Antenna Power

4.1 Test Result

4.1.1 Power

ENV	Mode	Frequency (MHz)	Packet Type	Total Power (dBm)	Spread BW (MHz)	Antenna Power (mW/MHz)		Nominal Power (mW/MHz)	Tolerance (%)		Verdict
						result	Limit		Measured	Limit	
NTNV	GFSK	HOPP	DH5	14.36	71.591	0.38	<=3.00	0.4	-5%	<=20	Pass
	Pi/4DQPSK	HOPP	2DH5	12.25	71.557	0.23	<=3.00	0.4	-43%	<=20	Pass
	8DPSK	HOPP	3DH5	12.34	71.693	0.24	<=3.00	0.4	-40%	<=20	Pass

Note:

1. $result = [10^{(Meas\ Power/10)}] / spread\ BW$

4.1.2 EIRP

ENV	Mode	TX Type	Frequency (MHz)	Packet Type	Antenna power (dBm/MHz)	Gain (dBi)	EIRP (dBm/MHz)		Verdict
							Result	Limit	
NTNV	GFSK	SISO	HOPP	DH5	-4.19	-0.23	-4.42	<=6.91	Pass
	Pi/4DQPSK	SISO	HOPP	2DH5	-6.30	-0.23	-6.53	<=6.91	Pass
	8DPSK	SISO	HOPP	3DH5	-6.21	-0.23	-6.44	<=6.91	Pass

Note:

1. $antenna\ power(dBm/MHz) = 10\ LOG(result(mW/MHz))$

5. Dwell Time

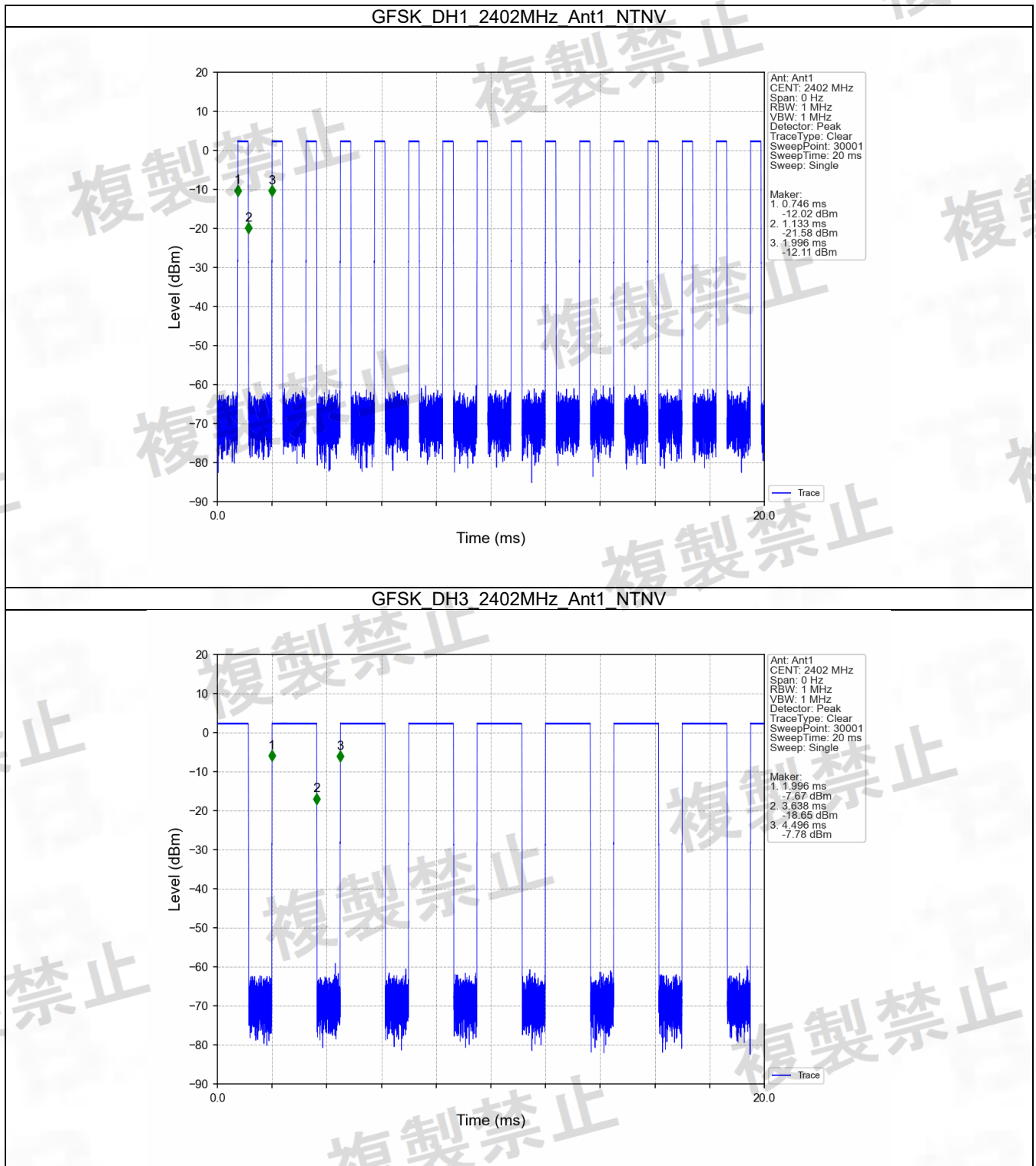
5.1 Test Result

5.1.1 Ant1

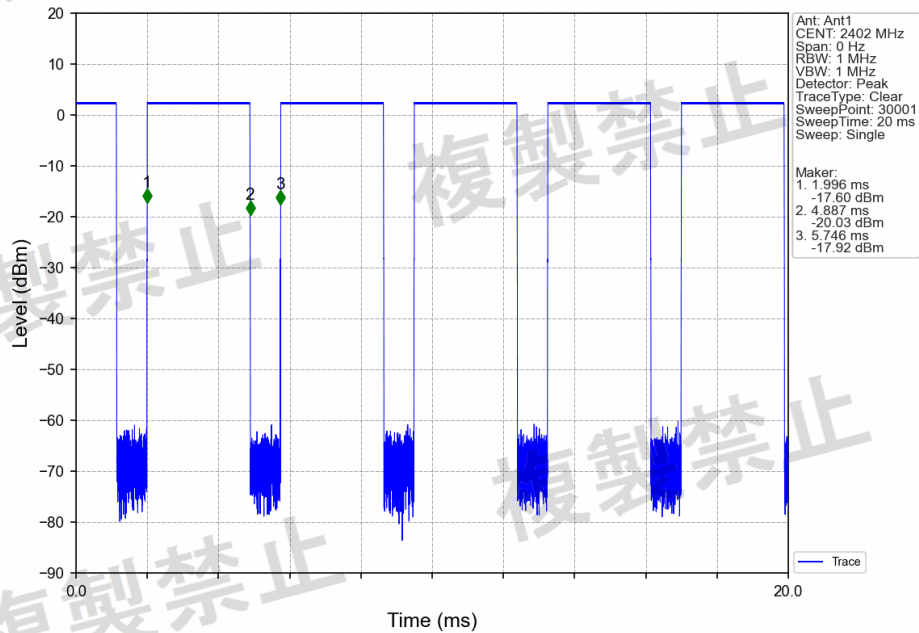
Ant1											
ENV	Mode	TX Type	Frequency (MHz)	Packet Type	Spreading Rate	T_on (ms)	Period (ms)	Hopp Number	Dwell Time (ms)		Verdict
									Result	Limit	
NTNV	GFSK	SISO	2402	DH1	71.591	0.387	1.250	79	112.226	<=400	Pass
				DH3	71.591	1.642	2.500	79	238.081	<=400	Pass
				DH5	71.591	2.891	3.750	79	279.453	<=400	Pass
			2480	DH1	71.591	0.386	1.250	79	111.936	<=400	Pass
				DH3	71.591	1.642	2.500	79	238.081	<=400	Pass
				DH5	71.591	2.890	3.750	79	279.356	<=400	Pass
	Pi/4DQPSK	SISO	2402	2DH1	71.557	0.389	1.250	79	112.752	<=400	Pass
				2DH3	71.557	1.641	2.500	79	237.823	<=400	Pass
				2DH5	71.557	2.890	3.750	79	279.223	<=400	Pass
			2480	2DH1	71.557	0.389	1.250	79	112.752	<=400	Pass
				2DH3	71.557	1.642	2.500	79	237.968	<=400	Pass
				2DH5	71.557	2.890	3.750	79	279.223	<=400	Pass
	8DPSK	SISO	2402	3DH1	71.693	0.389	1.250	79	112.966	<=400	Pass
				3DH3	71.693	1.640	2.500	79	238.130	<=400	Pass
				3DH5	71.693	2.891	3.750	79	279.851	<=400	Pass
			2480	3DH1	71.693	0.390	1.250	79	113.257	<=400	Pass
				3DH3	71.693	1.641	2.500	79	238.275	<=400	Pass
				3DH5	71.693	2.891	3.750	79	279.851	<=400	Pass

5.2 Test Graph

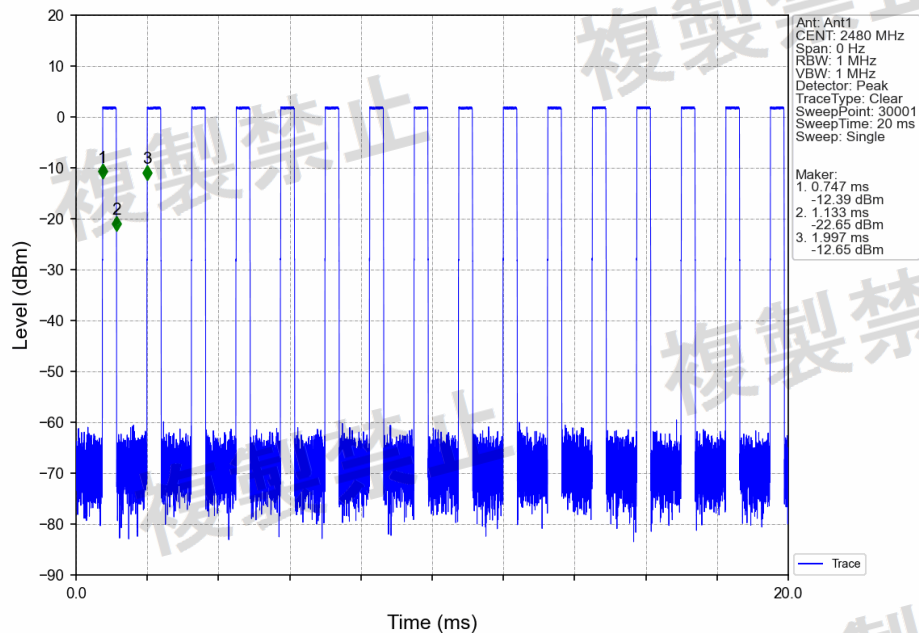
5.2.1 Ant1



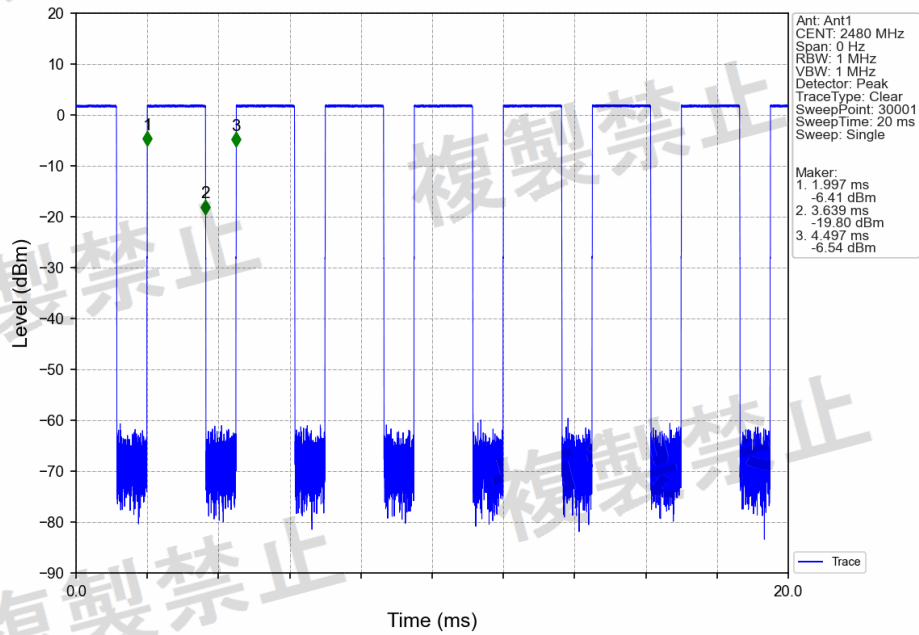
GFSK_DH5_2402MHz_Ant1_NTNV



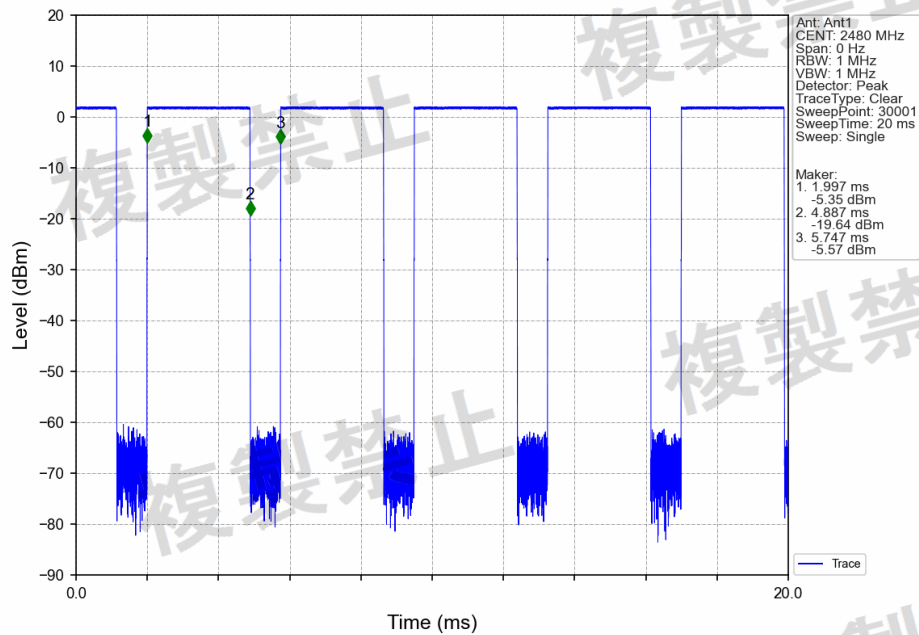
GFSK_DH1_2480MHz_Ant1_NTNV

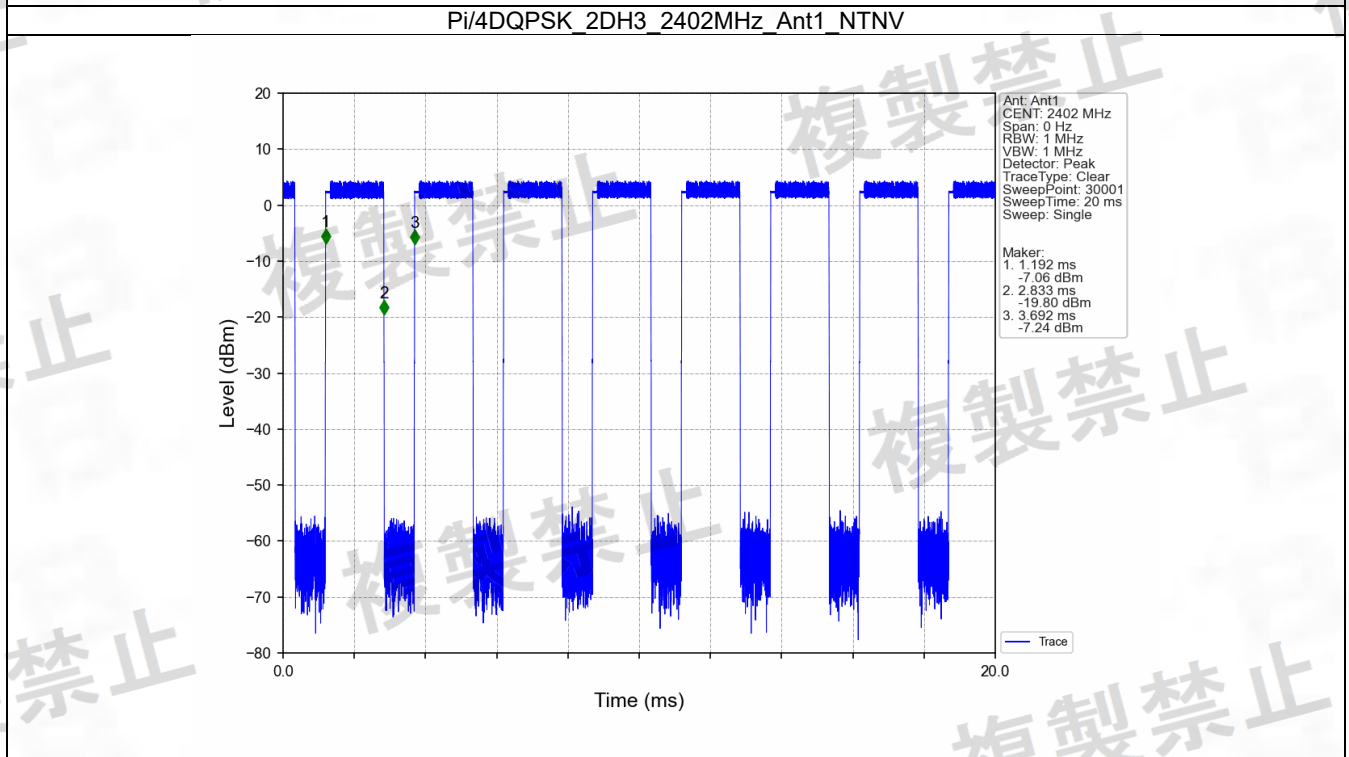
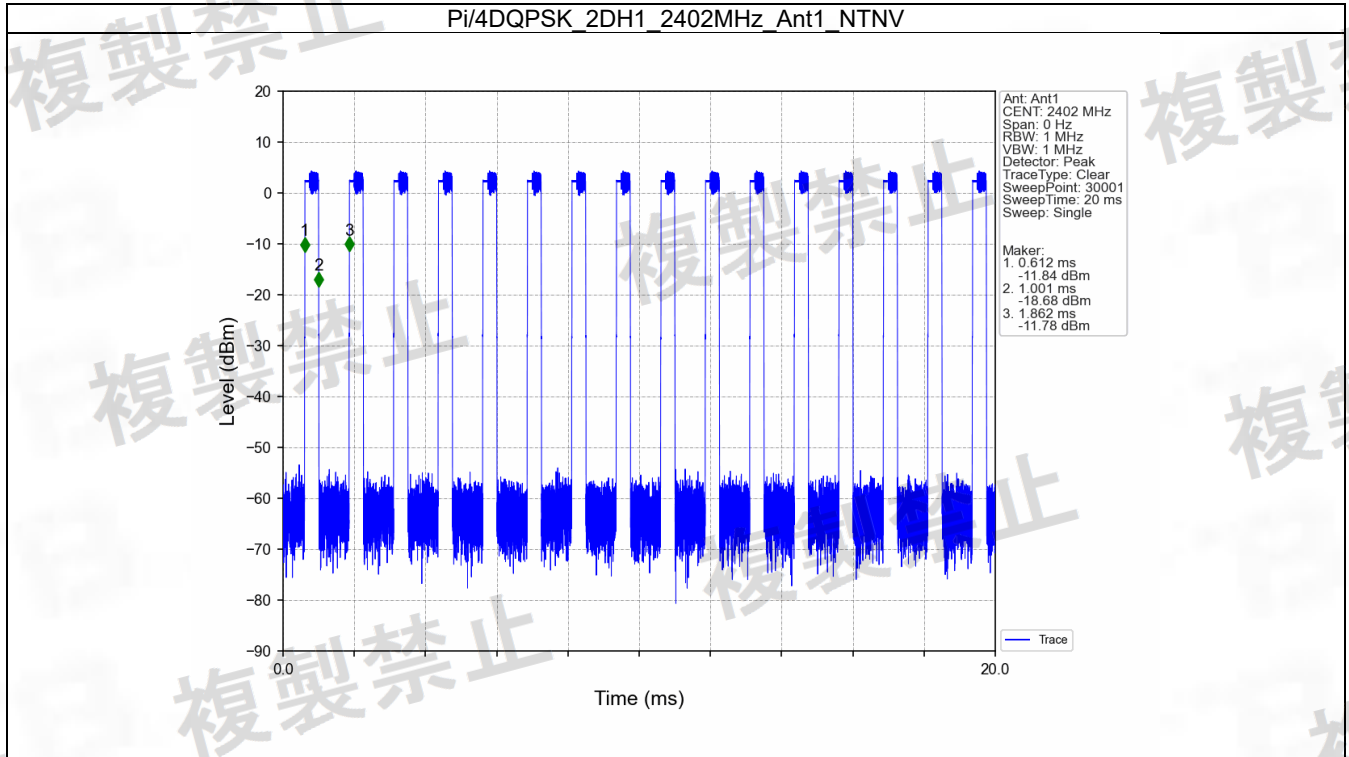


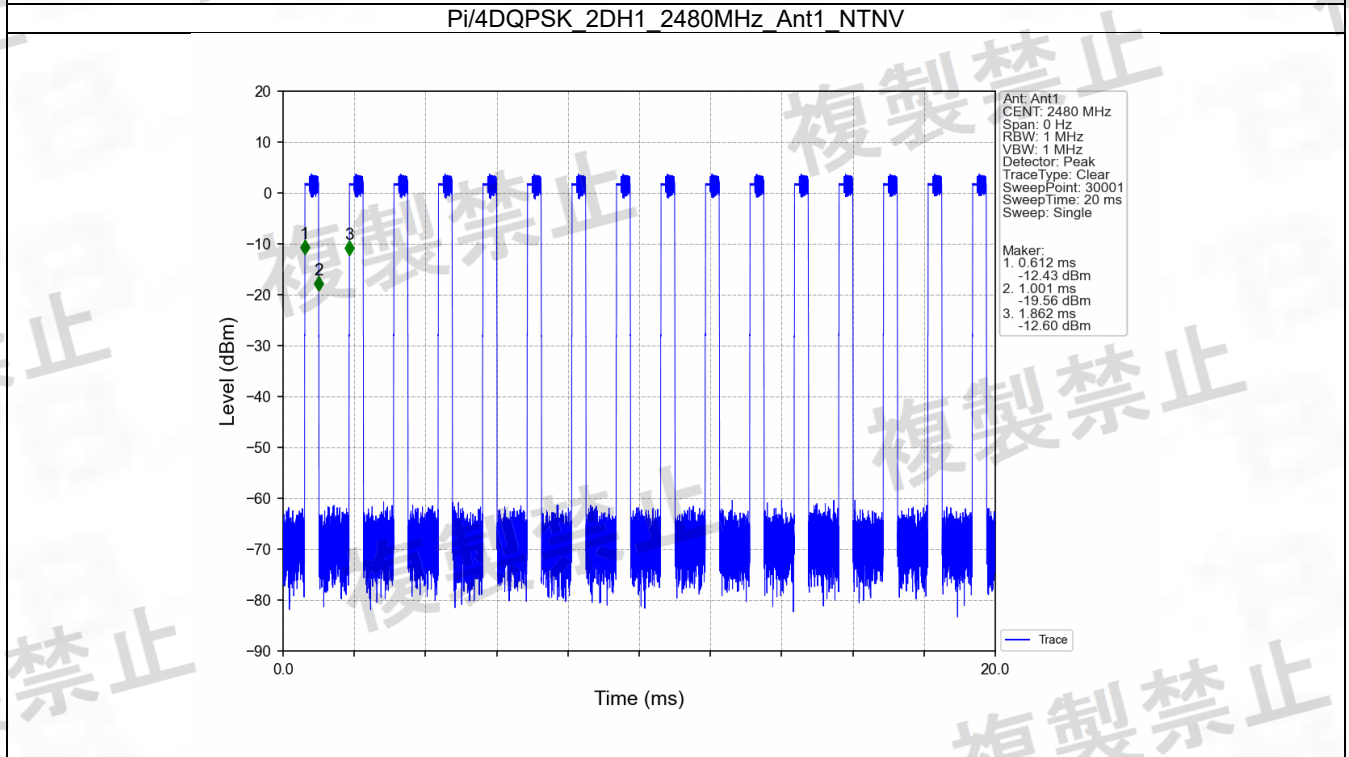
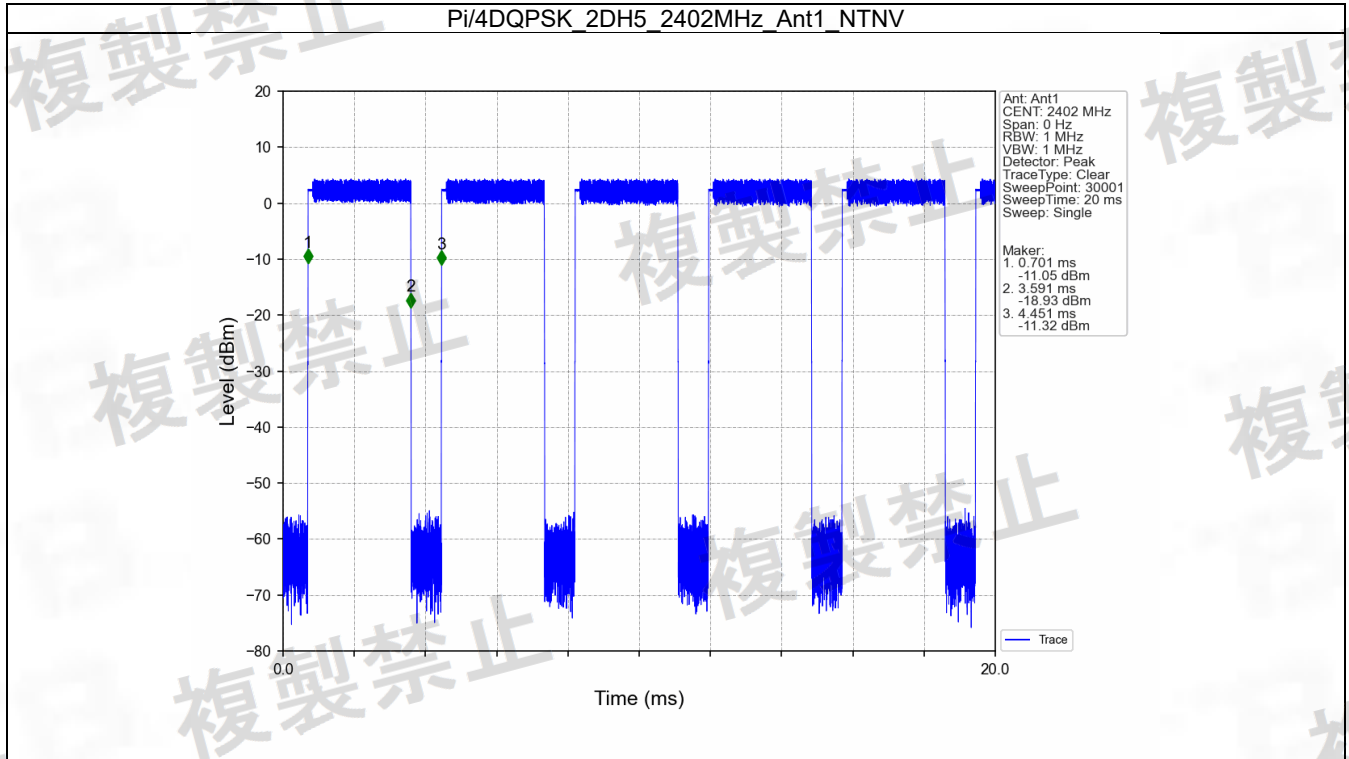
GFSK_DH3_2480MHz_Ant1_NTNV

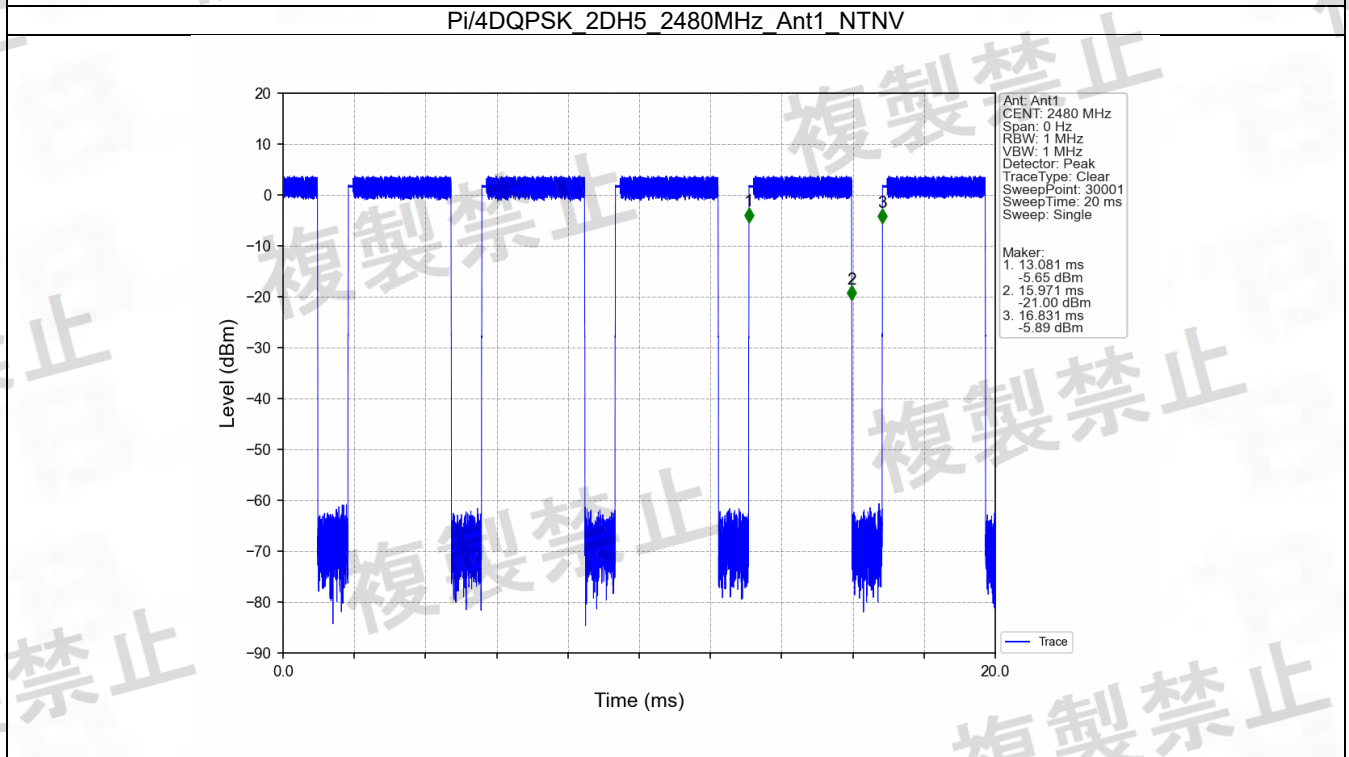
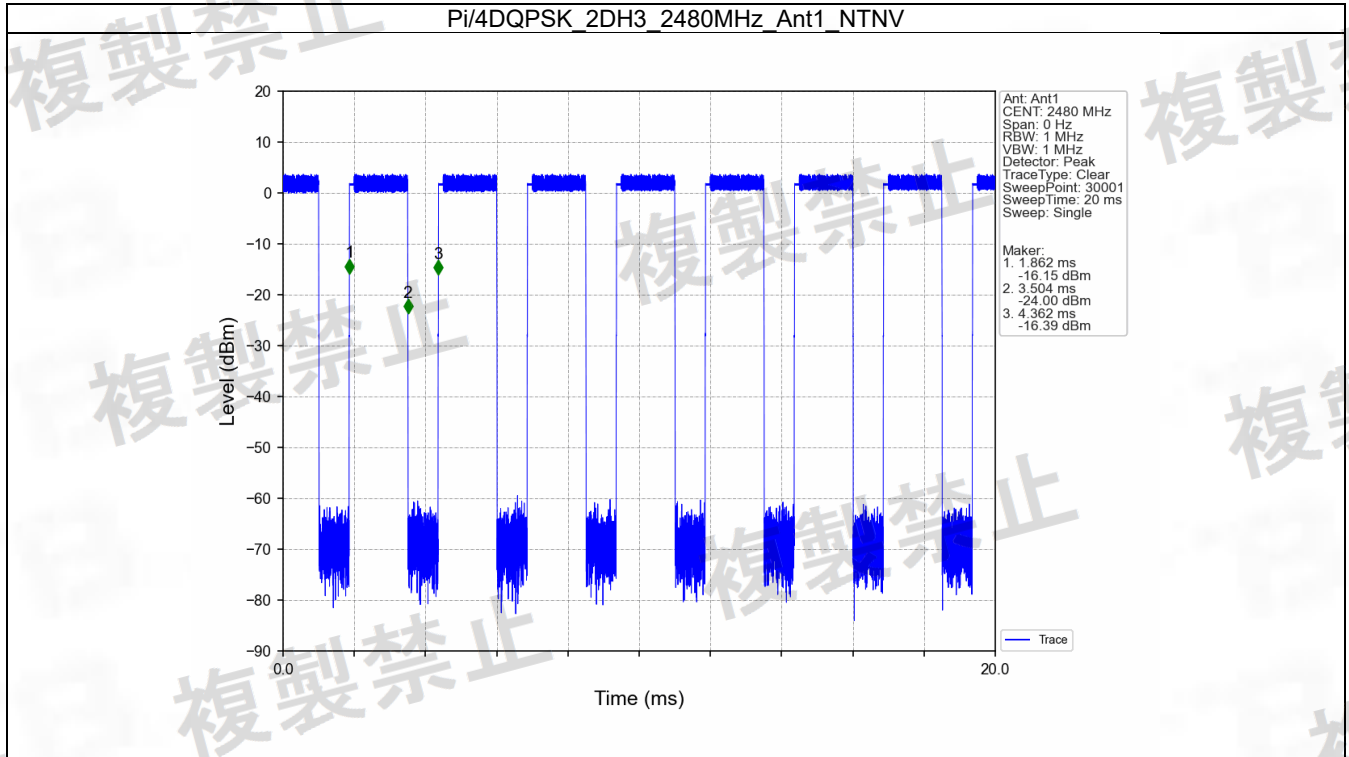


GFSK_DH5_2480MHz_Ant1_NTNV

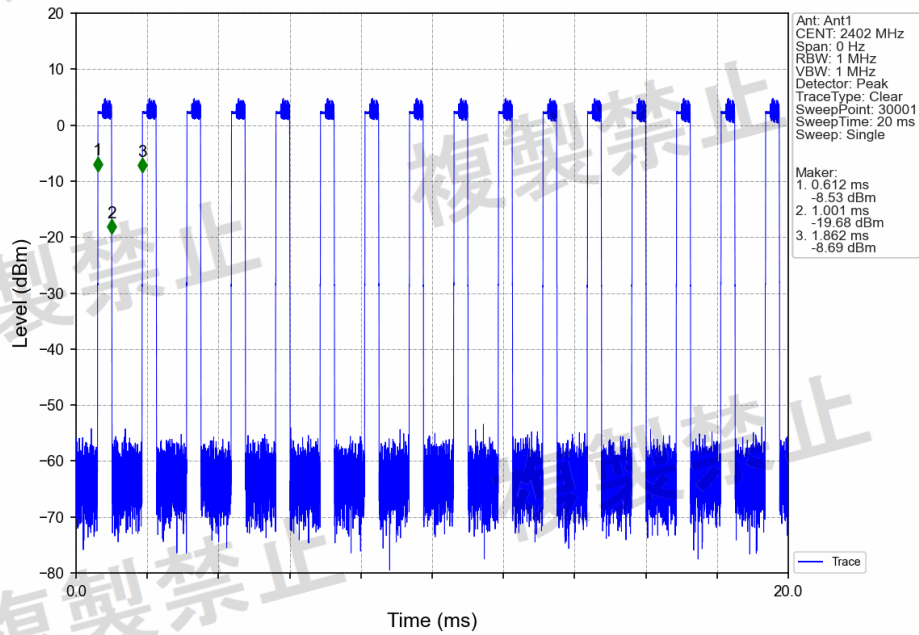




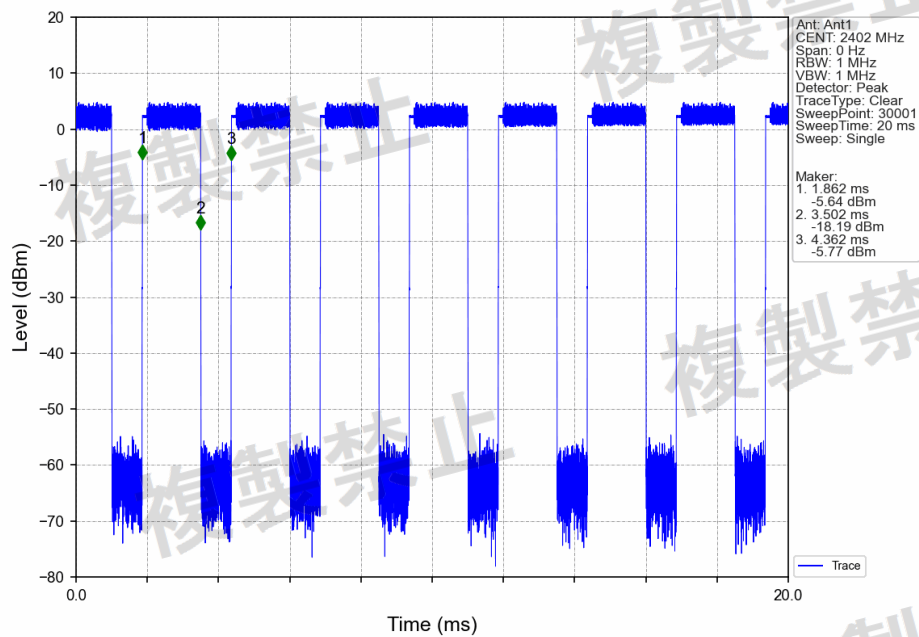


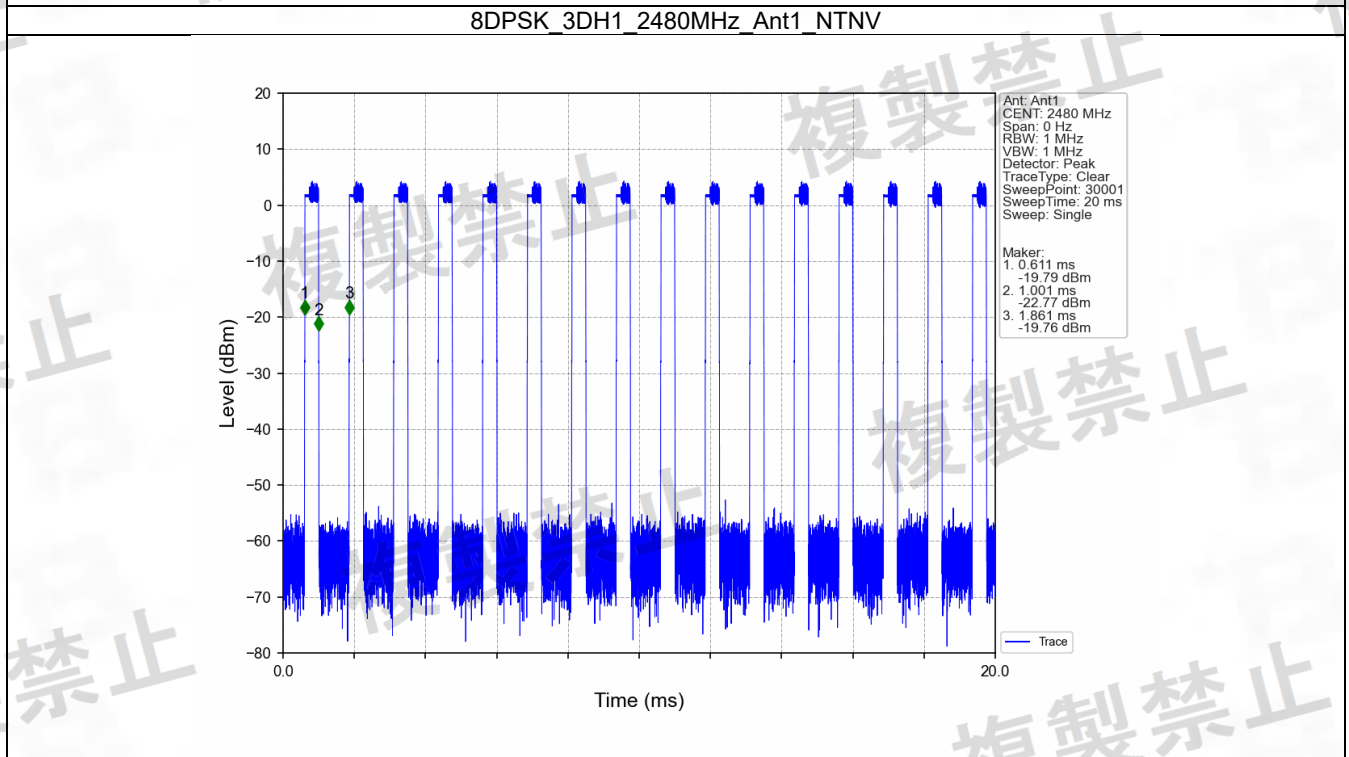
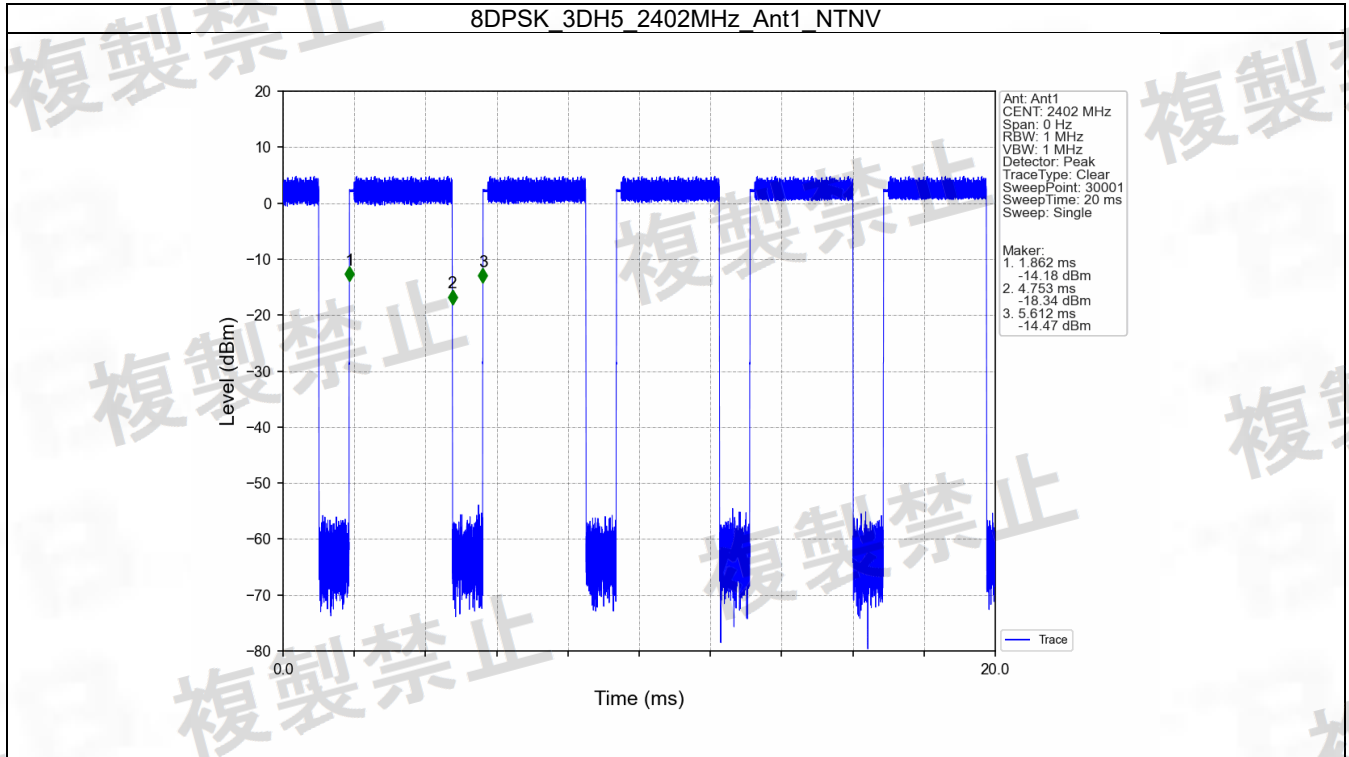


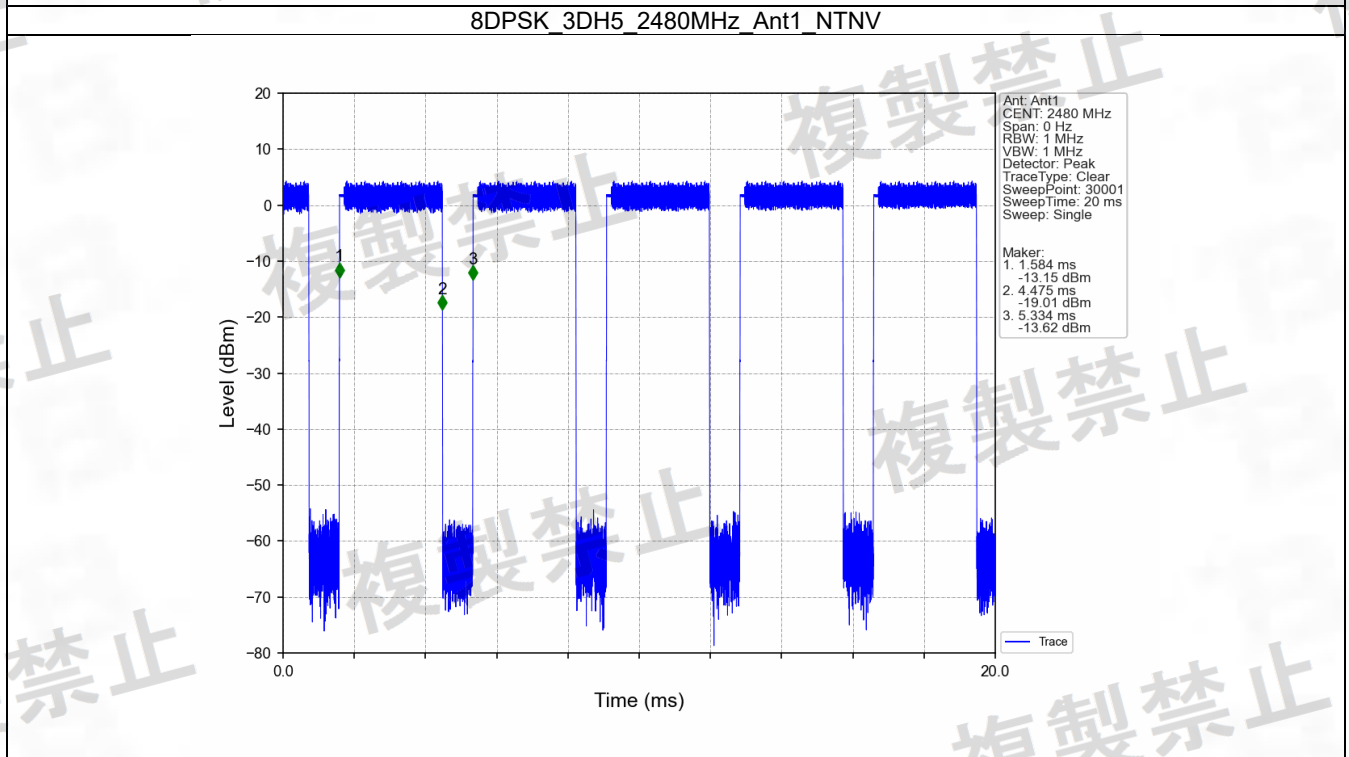
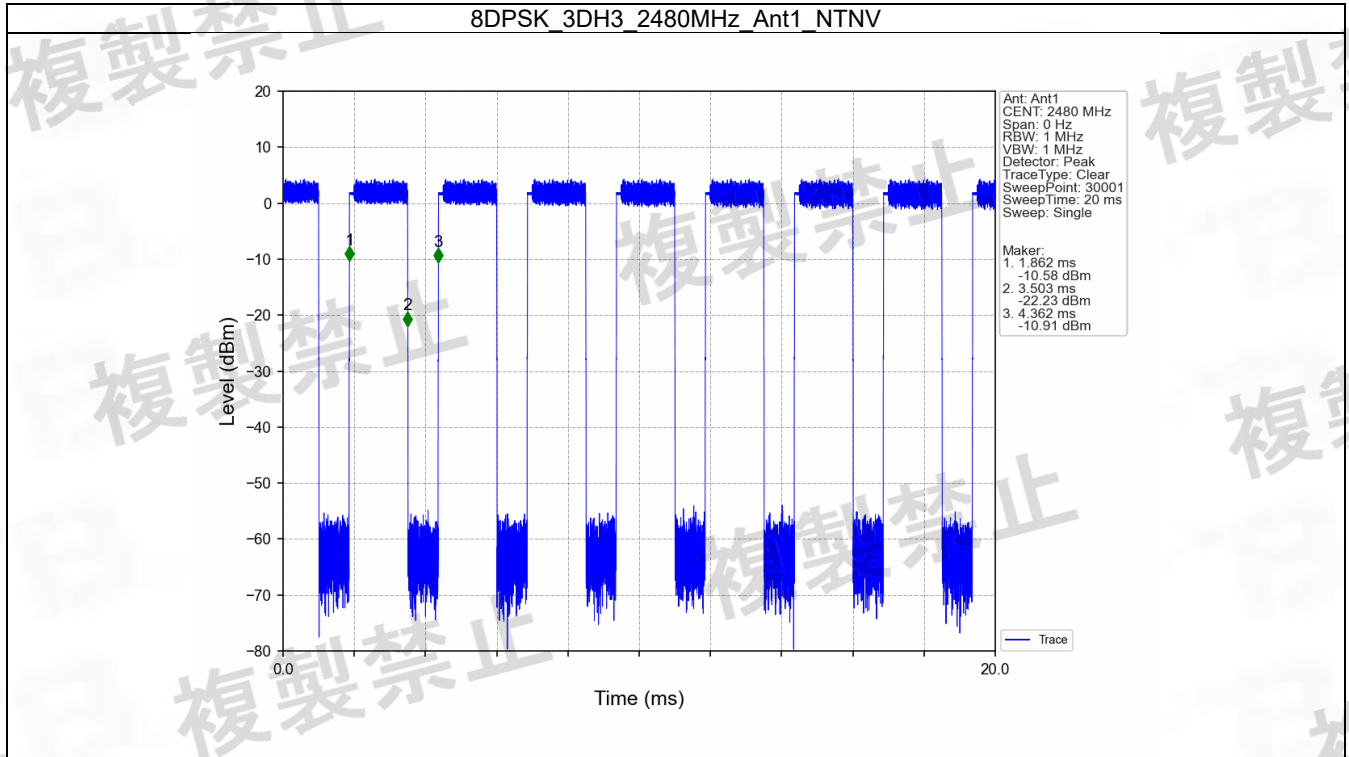
8DPSK_3DH1_2402MHz_Ant1_NTNV



8DPSK_3DH3_2402MHz_Ant1_NTNV







6. Spurious Emission Intensity

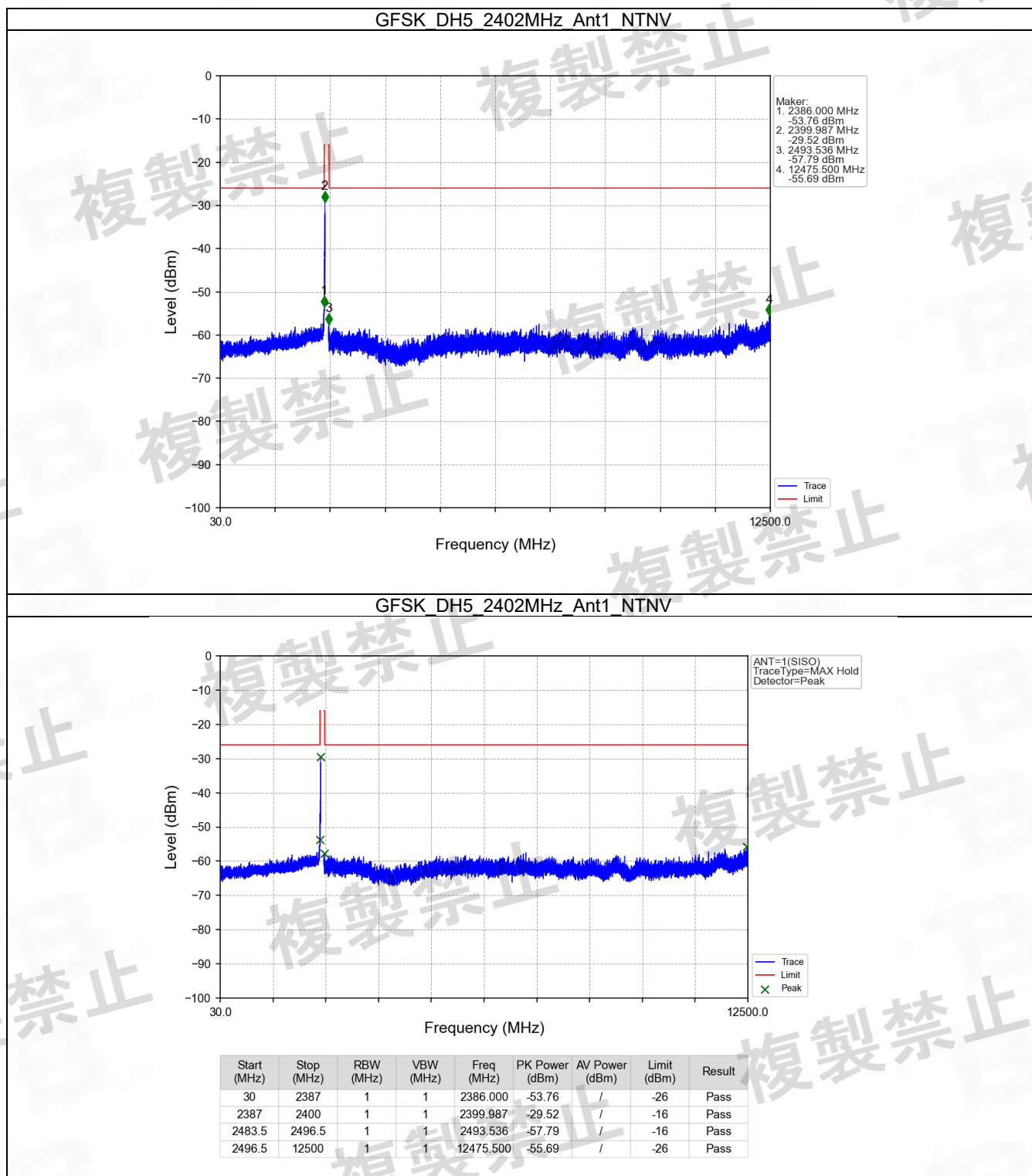
6.1 Test Result

6.1.1 TxSe_NTNV

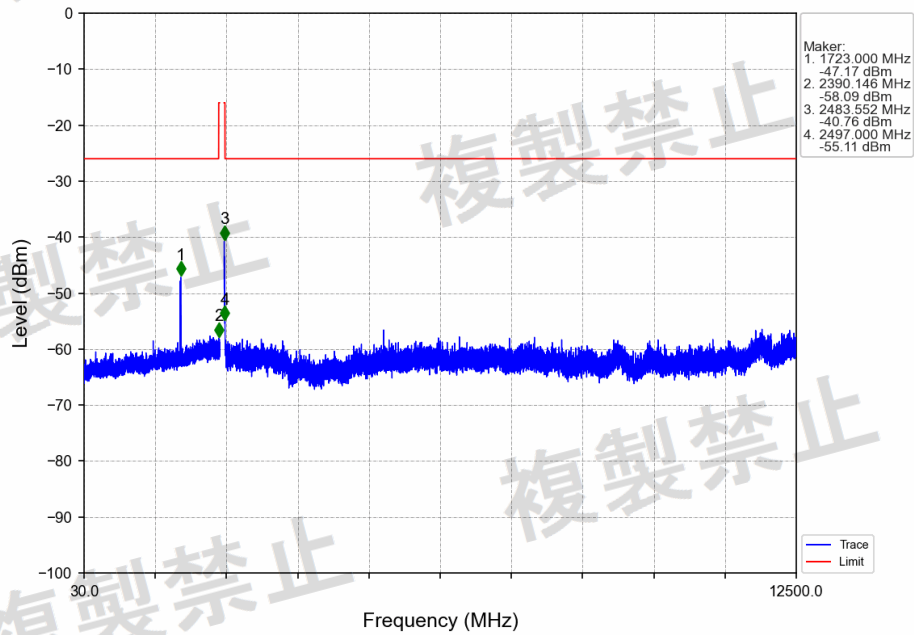
NTNV												
Mode	TX Type	Freq. (MHz)	ANT	Freq. Range		Marker					Limit (uW /MHz)	Verdict
				Start (MHz)	Stop (MHz)	Freq. (MHz)	PK Power (dBm /MHz)	PK Power (uW /MHz)	AV Power (dBm /MHz)	AV Power (uW /MHz)		
GFSK	SISO	2402	1	30	2387	2386	-53.76	0.004	/	/	2.5	Pass
				2387	2400	2399.987	-29.52	1.117	/	/	25	Pass
				2483.5	2496.5	2493.536	-57.79	0.002	/	/	25	Pass
				2496.5	12500	12475.5	-55.69	0.003	/	/	2.5	Pass
		2480	1	30	2387	1723	-47.17	0.019	/	/	2.5	Pass
				2387	2400	2390.146	-58.09	0.002	/	/	25	Pass
				2483.5	2496.5	2483.552	-40.76	0.084	/	/	25	Pass
				2496.5	12500	2497	-55.11	0.003	/	/	2.5	Pass
Pi/4DQPSK	SISO	2402	1	30	2387	2386.5	-50.63	0.009	/	/	2.5	Pass
				2387	2400	2399.987	-29.39	1.151	/	/	25	Pass
				2483.5	2496.5	2494.693	-52.30	0.006	/	/	25	Pass
				2496.5	12500	12460	-50.83	0.008	/	/	2.5	Pass
		2480	1	30	2387	1240	-57.64	0.002	/	/	2.5	Pass
				2387	2400	2389.938	-57.91	0.002	/	/	25	Pass
				2483.5	2496.5	2483.539	-39.73	0.106	/	/	25	Pass
				2496.5	12500	2497	-54.80	0.003	/	/	2.5	Pass
8DPSK	SISO	2402	1	30	2387	2386.5	-51.17	0.008	/	/	2.5	Pass
				2387	2400	2399.987	-27.29	1.866	/	/	25	Pass
				2483.5	2496.5	2488.102	-51.26	0.007	/	/	25	Pass
				2496.5	12500	12440	-50.17	0.010	/	/	2.5	Pass
		2480	1	30	2387	2384.5	-51.31	0.007	/	/	2.5	Pass
				2387	2400	2392.798	-51.77	0.007	/	/	25	Pass
				2483.5	2496.5	2483.565	-40.34	0.092	/	/	25	Pass
				2496.5	12500	11827	-50.67	0.009	/	/	2.5	Pass

6.2 Test Graph

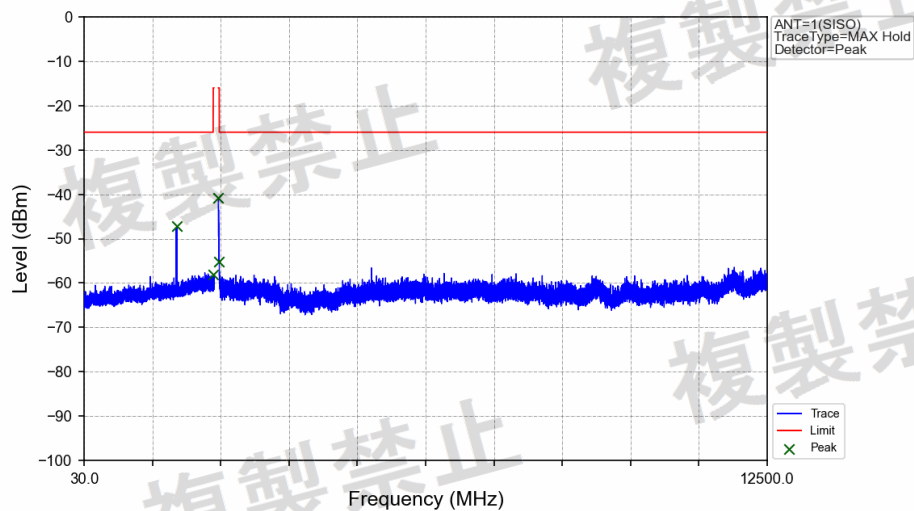
6.2.1 TxSe_NTNV



GFSK_DH5_2480MHz_Ant1_NTNV

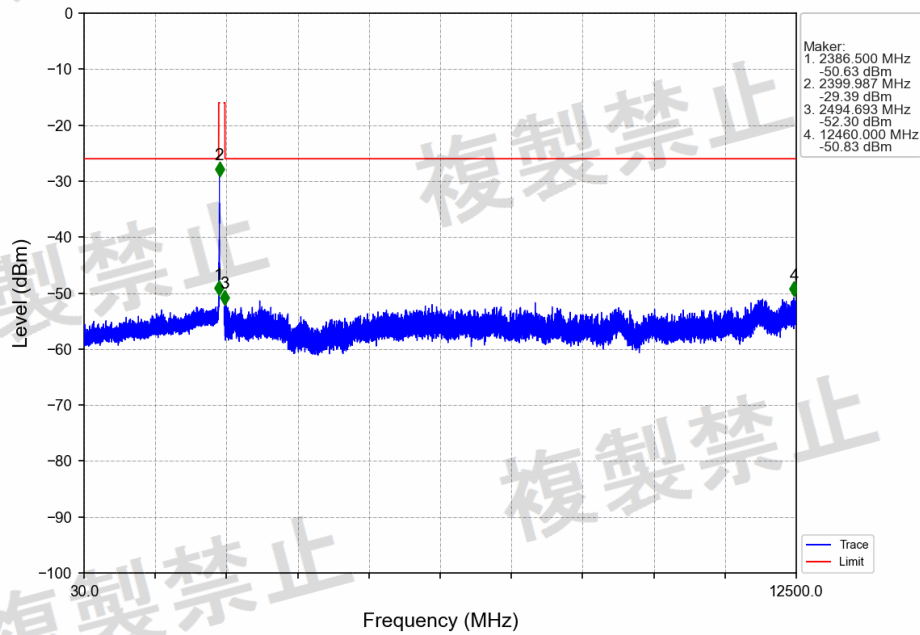


GFSK_DH5_2480MHz_Ant1_NTNV

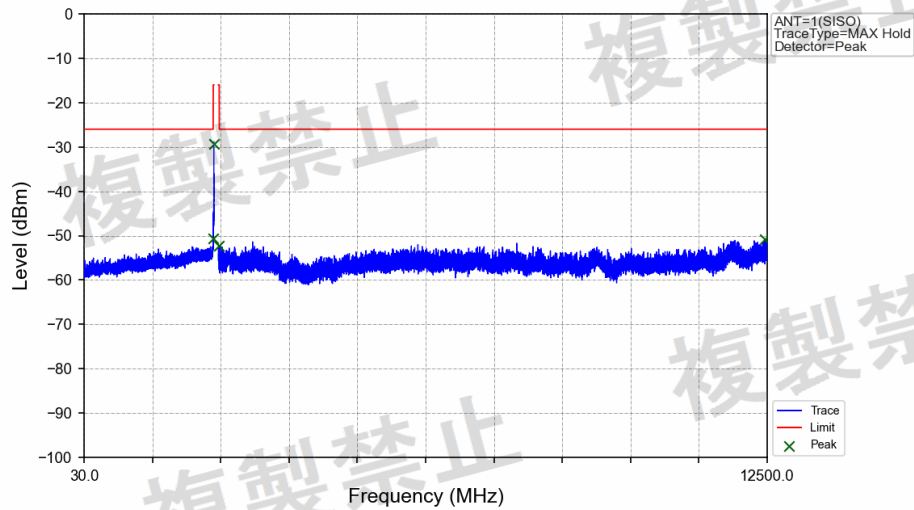


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	1723.000	-47.17	/	-26	Pass
2387	2400	1	1	2390.146	-58.09	/	-16	Pass
2483.5	2496.5	1	1	2483.552	-40.76	/	-16	Pass
2496.5	12500	1	1	2497.000	-55.11	/	-26	Pass

Pi/4DQPSK_2DH5_2402MHz_Ant1_NTNV

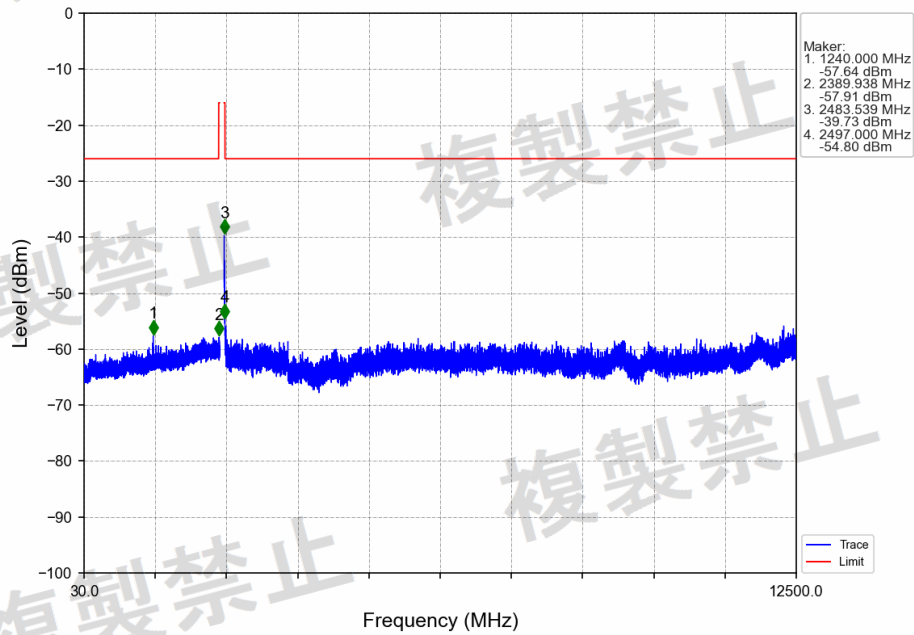


Pi/4DQPSK_2DH5_2402MHz_Ant1_NTNV

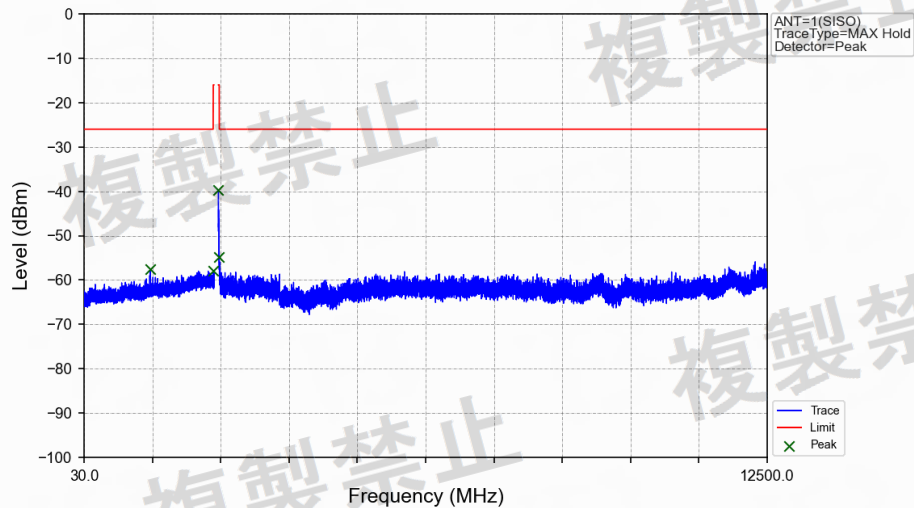


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	2386.500	-50.63	/	-26	Pass
2387	2400	1	1	2399.987	-29.39	/	-16	Pass
2483.5	2496.5	1	1	2494.693	-52.30	/	-16	Pass
2496.5	12500	1	1	12460.000	-50.83	/	-26	Pass

Pi/4DQPSK_2DH5_2480MHz_Ant1_NTNV

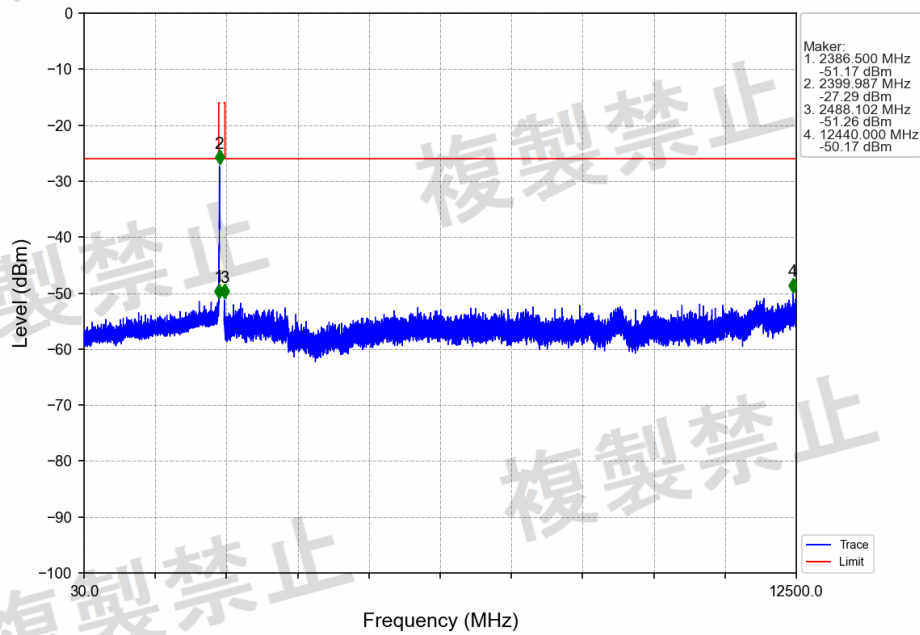


Pi/4DQPSK_2DH5_2480MHz_Ant1_NTNV

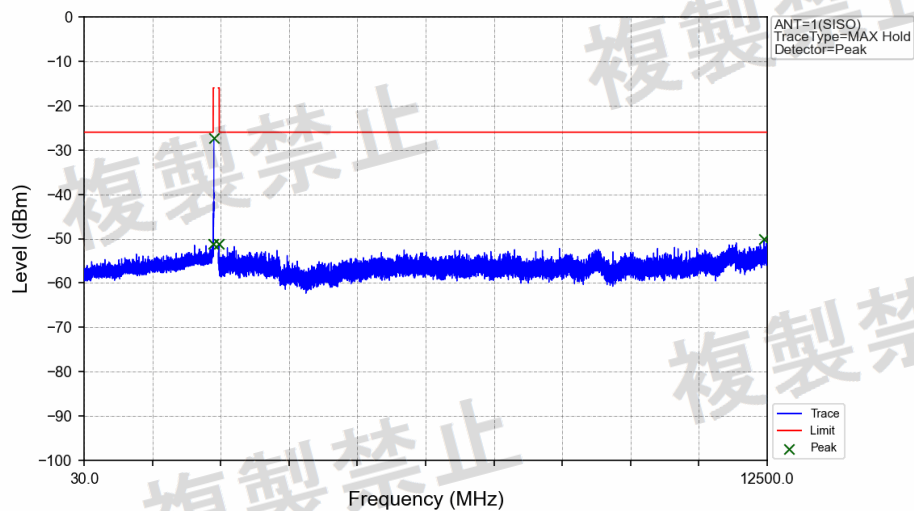


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	1240.000	-57.64	/	-26	Pass
2387	2400	1	1	2389.938	-57.91	/	-16	Pass
2483.5	2496.5	1	1	2483.539	-39.73	/	-16	Pass
2496.5	12500	1	1	2497.000	-54.80	/	-26	Pass

8DPSK_3DH5_2402MHz_Ant1_NTNV

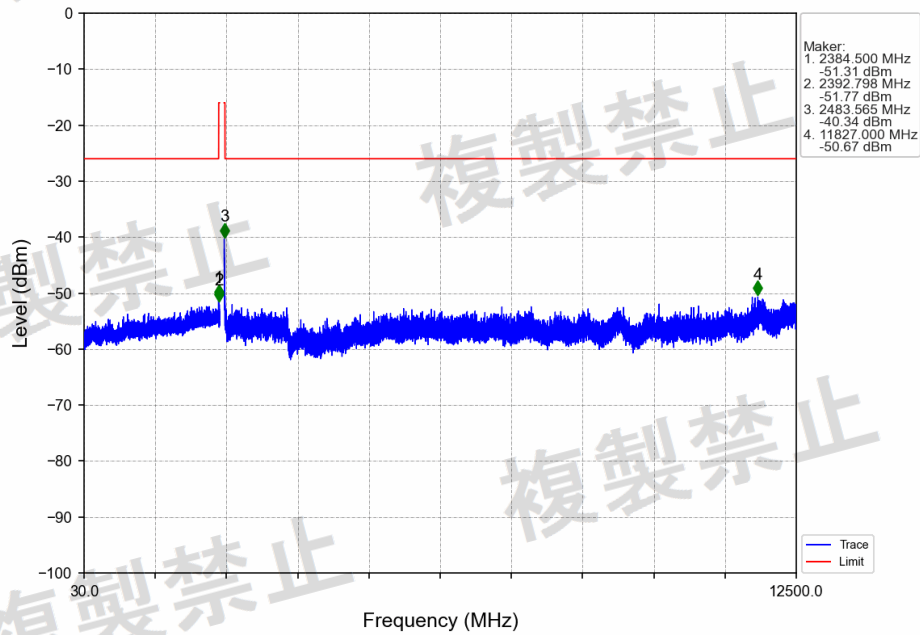


8DPSK_3DH5_2402MHz_Ant1_NTNV

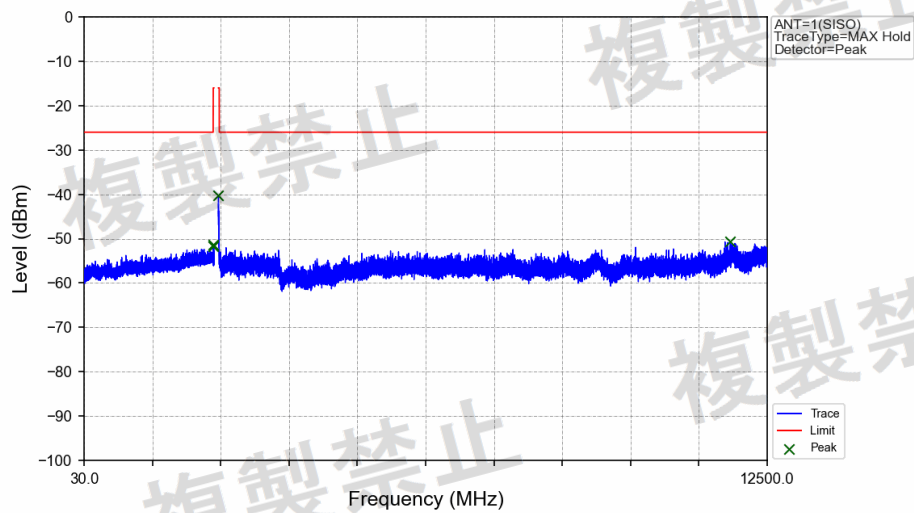


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	2386.500	-51.17	/	-26	Pass
2387	2400	1	1	2399.987	-27.29	/	-16	Pass
2483.5	2496.5	1	1	2488.102	-51.26	/	-16	Pass
2496.5	12500	1	1	12440.000	-50.17	/	-26	Pass

8DPSK_3DH5_2480MHz_Ant1_NTNV



8DPSK_3DH5_2480MHz_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	2384.500	-51.31	/	-26	Pass
2387	2400	1	1	2392.798	-51.77	/	-16	Pass
2483.5	2496.5	1	1	2483.565	-40.34	/	-16	Pass
2496.5	12500	1	1	11827.000	-50.67	/	-26	Pass

7. Secondary Radiated Emission

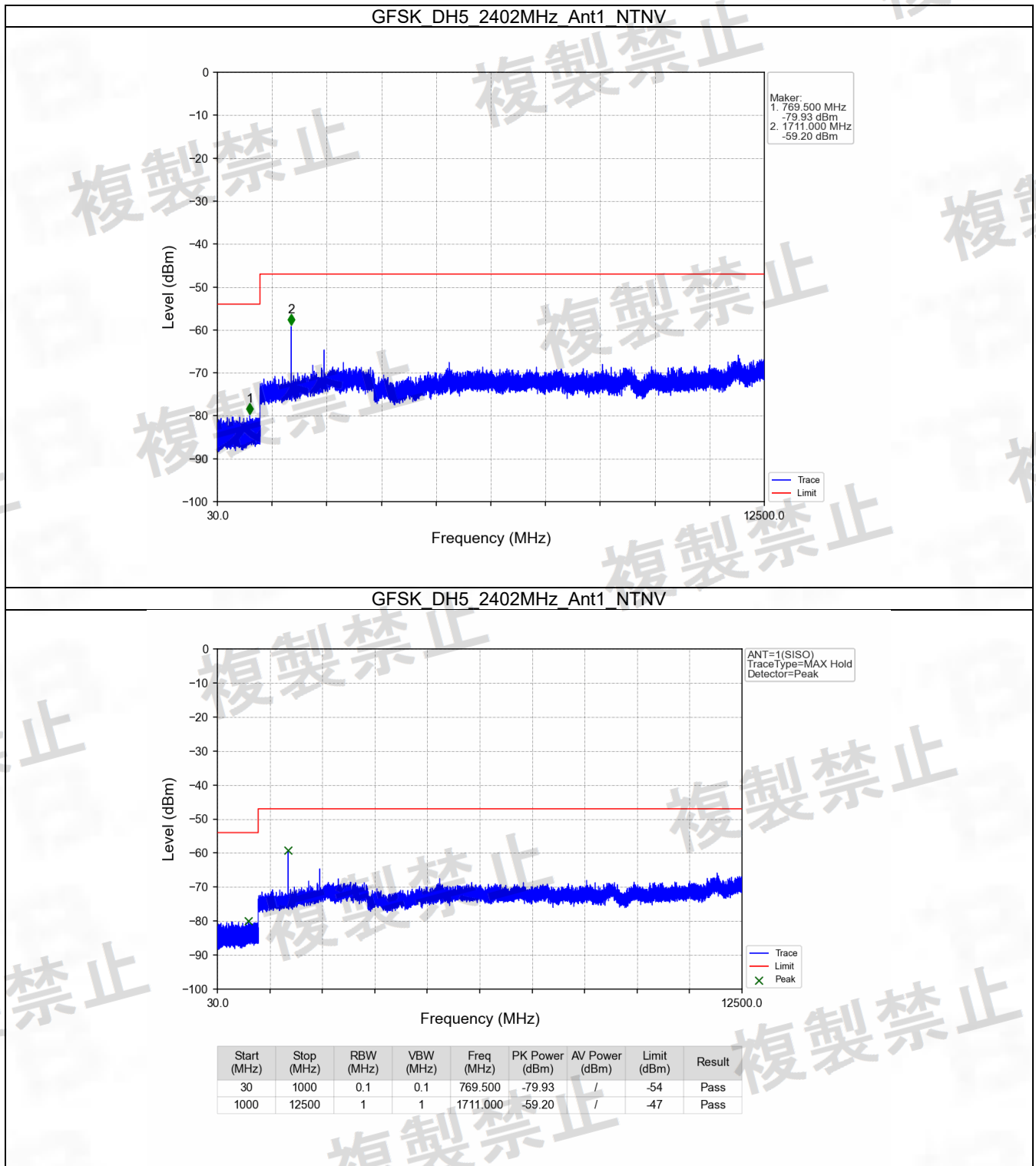
7.1 Test Result

7.1.1 RxSe_NTNV

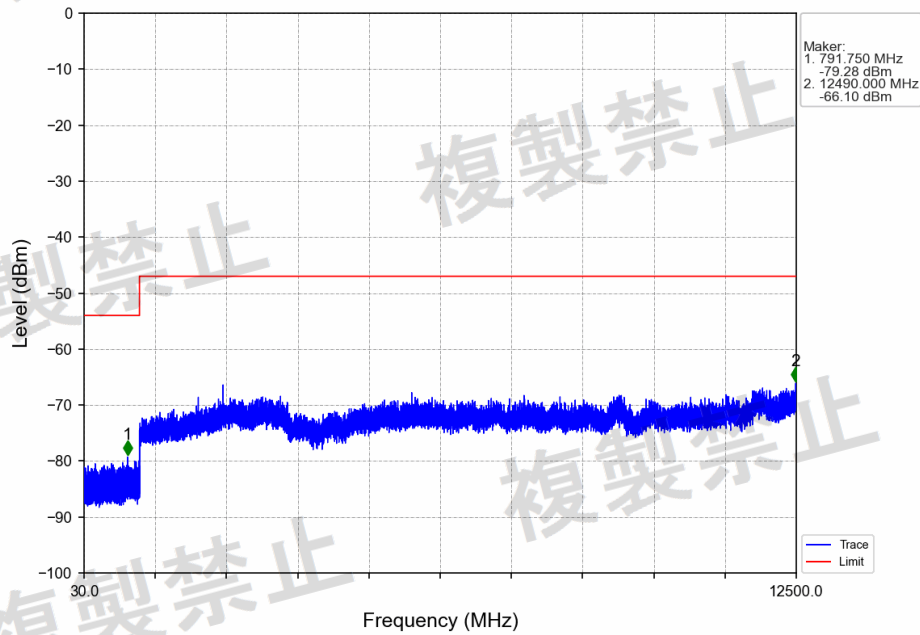
NTNV												
Mode	TX Type	Freq. (MHz)	ANT	Freq. Range		Marker					Limit (nW)	Verdict
				Start (MHz)	Stop (MHz)	Freq. (MHz)	PK Power (dBm)	PK Power (nW)	AV Power (dBm)	AV Power (nW)		
GFSK	SISO	2402	1	30	1000	769.5	-79.93	0.010	/	/	4	Pass
				1000	12500	1711	-59.20	1.202	/	/	20	Pass
		2480	1	30	1000	791.75	-79.28	0.012	/	/	4	Pass
				1000	12500	12490	-66.10	0.245	/	/	20	Pass
Pi/4DQPSK	SISO	2402	1	30	1000	793.05	-79.85	0.010	/	/	4	Pass
				1000	12500	2460.5	-66.11	0.245	/	/	20	Pass
		2480	1	30	1000	234	-70.72	0.085	/	/	4	Pass
				1000	12500	2464	-65.24	0.299	/	/	20	Pass
8DPSK	SISO	2402	1	30	1000	786.55	-80.09	0.010	/	/	4	Pass
				1000	12500	1729	-63.41	0.456	/	/	20	Pass
		2480	1	30	1000	31.65	-79.25	0.012	/	/	4	Pass
				1000	12500	12333	-67.00	0.200	/	/	20	Pass

7.2 Test Graph

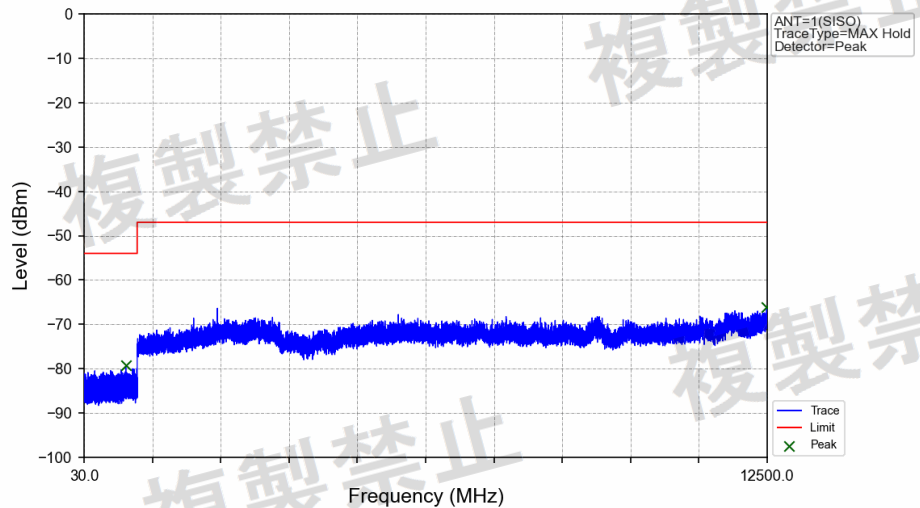
7.2.1 RxSe_NTNV



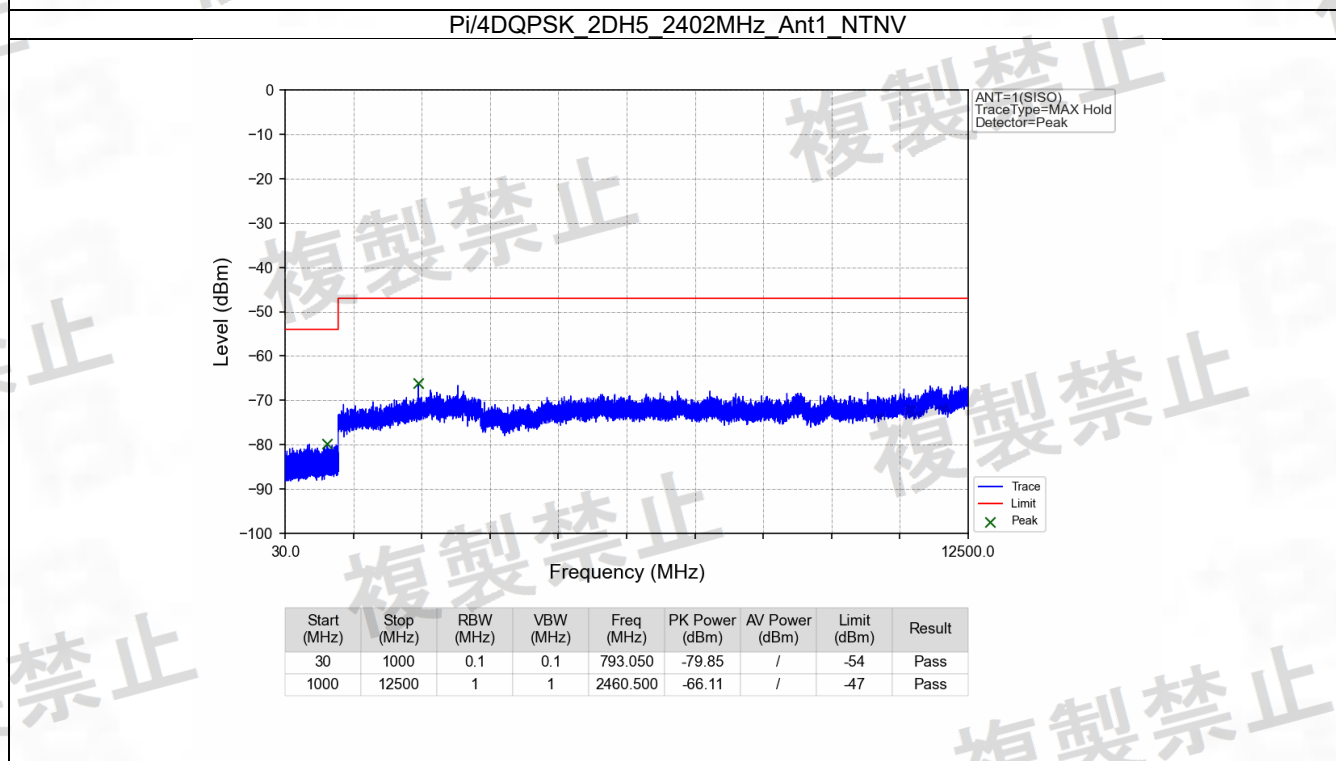
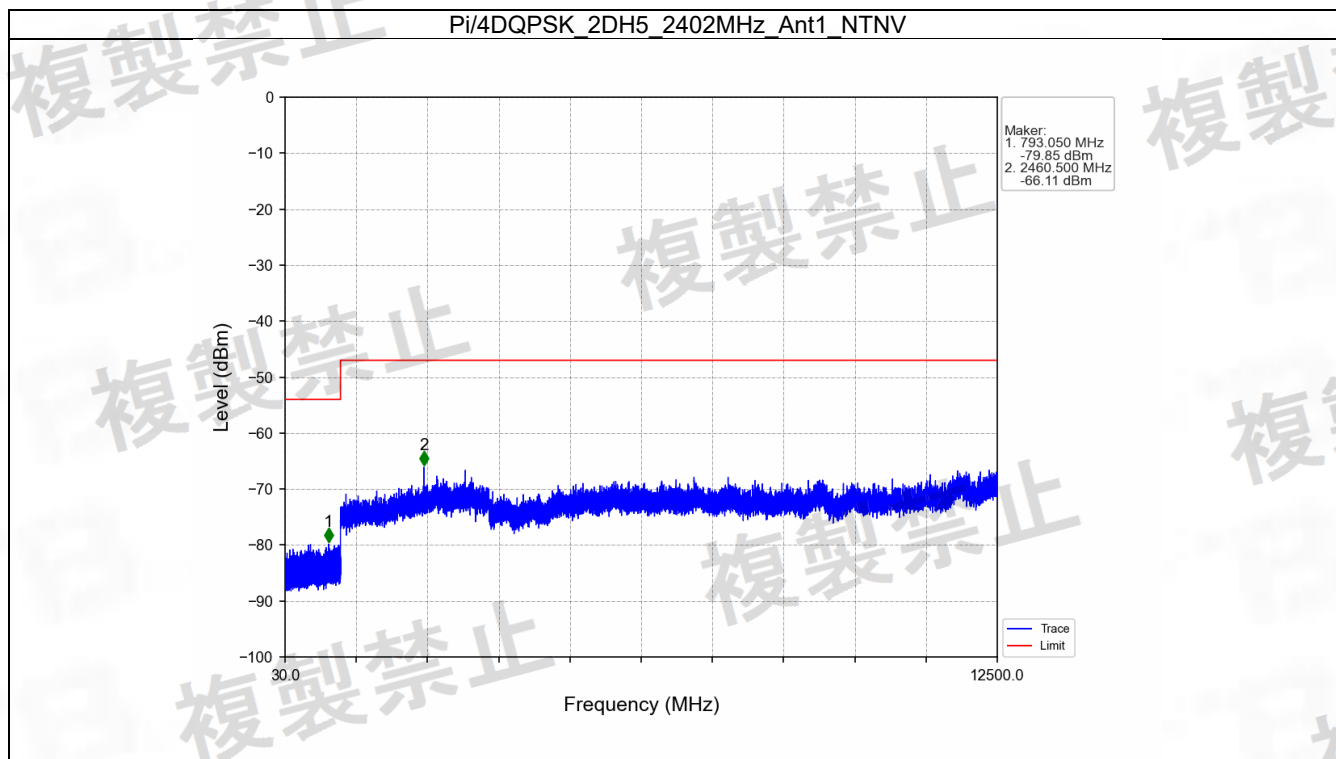
GFSK_DH5_2480MHz_Ant1_NTNV



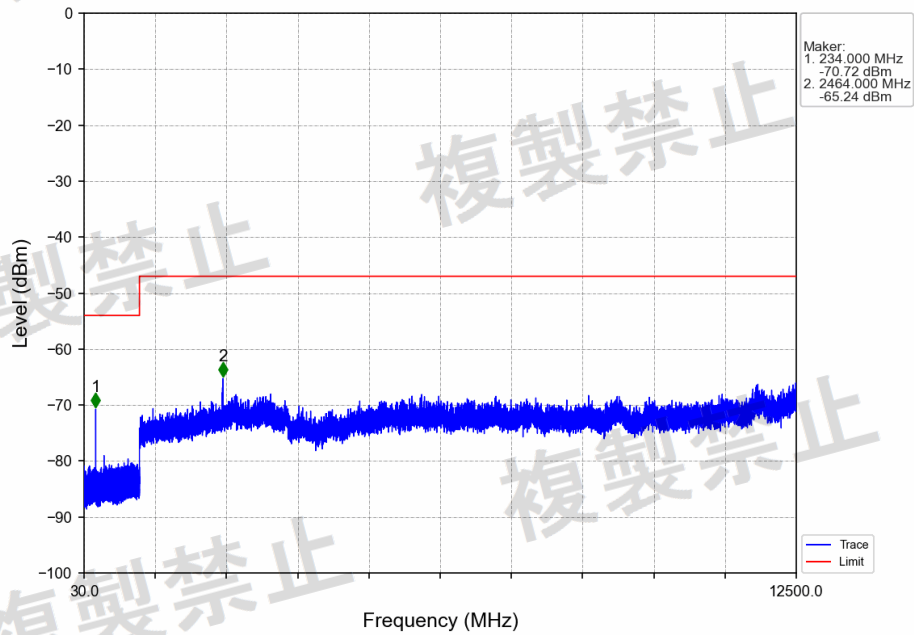
GFSK_DH5_2480MHz_Ant1_NTNV



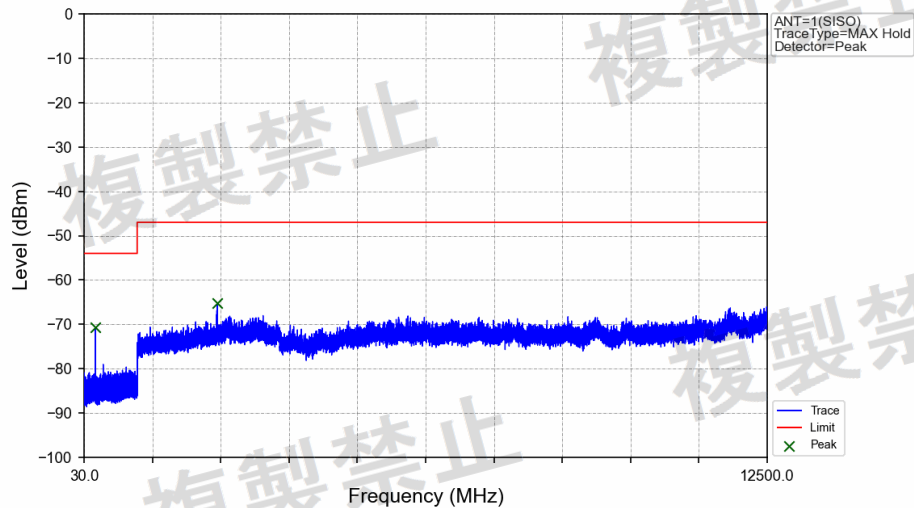
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	791.750	-79.28	/	-54	Pass
1000	12500	1	1	12490.000	-66.10	/	-47	Pass



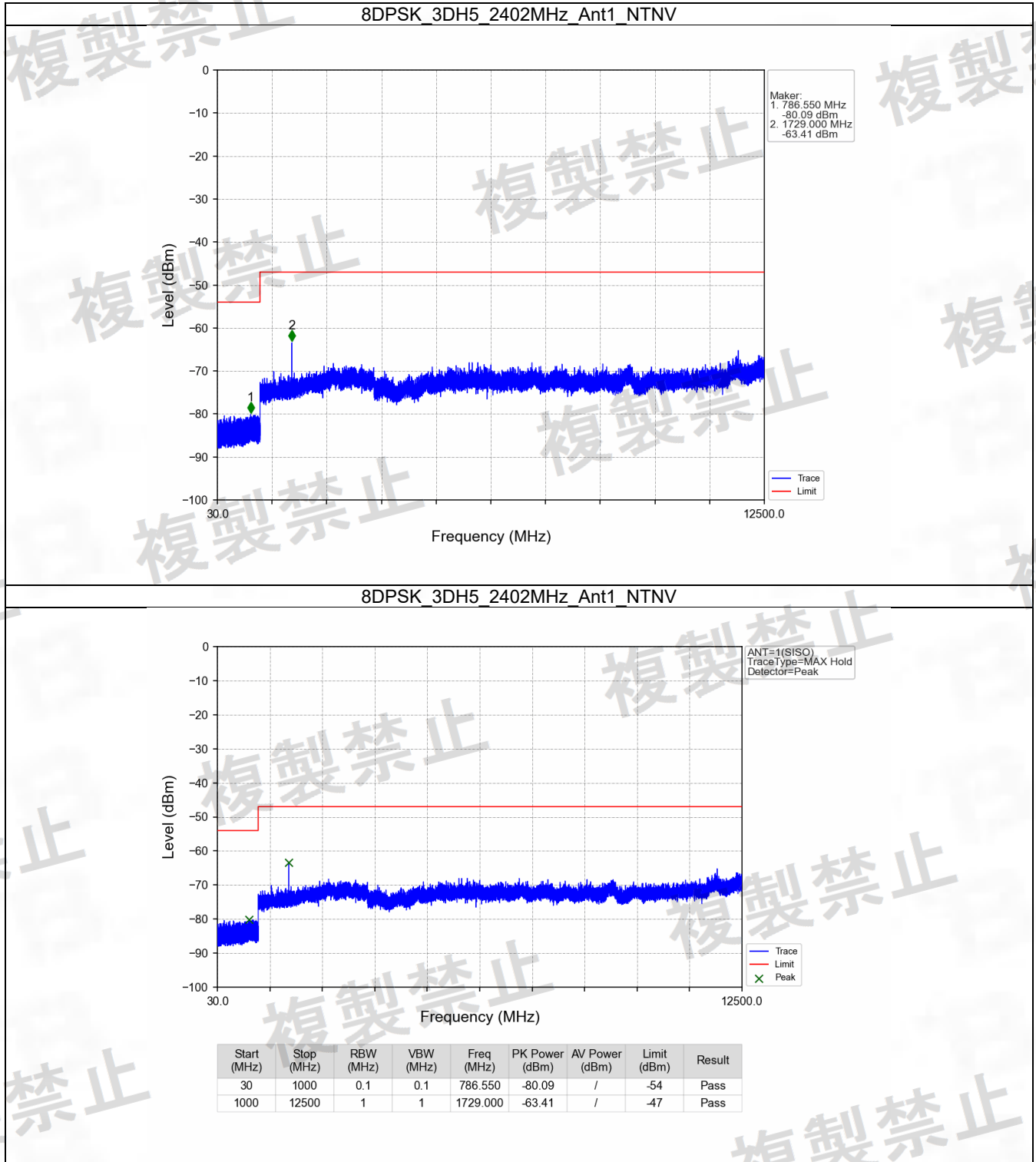
Pi/4DQPSK_2DH5_2480MHz_Ant1_NTNV



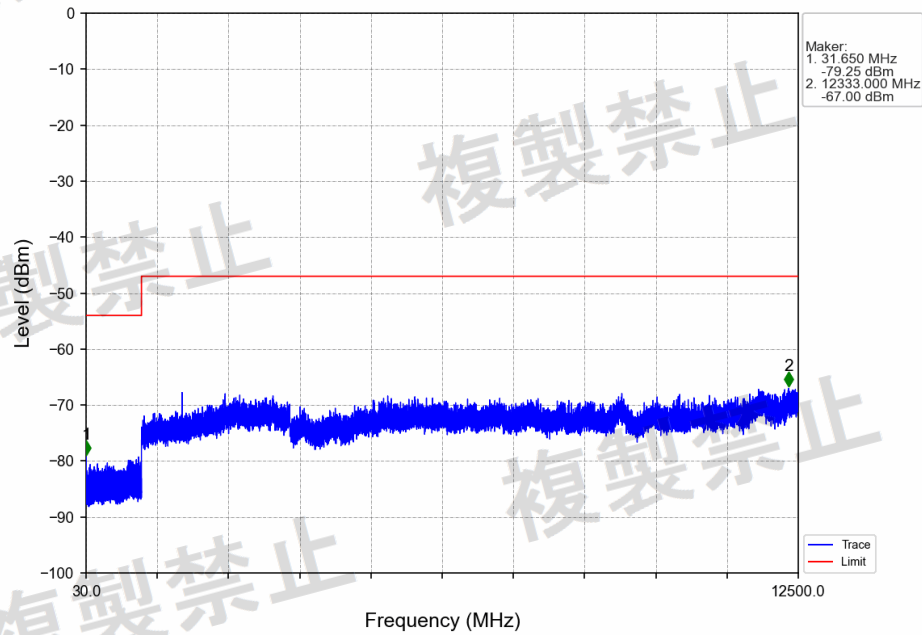
Pi/4DQPSK_2DH5_2480MHz_Ant1_NTNV



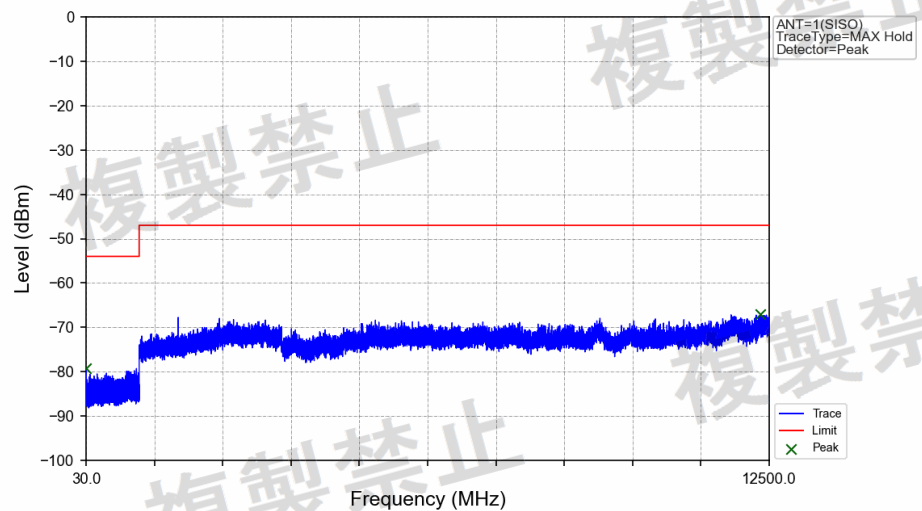
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	234.000	-70.72	/	-54	Pass
1000	12500	1	1	2464.000	-65.24	/	-47	Pass



8DPSK_3DH5_2480MHz_Ant1_NTNV



8DPSK_3DH5_2480MHz_Ant1_NTNV



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	31.650	-79.25	/	-54	Pass
1000	12500	1	1	12333.000	-67.00	/	-47	Pass