

1. Frequency Error

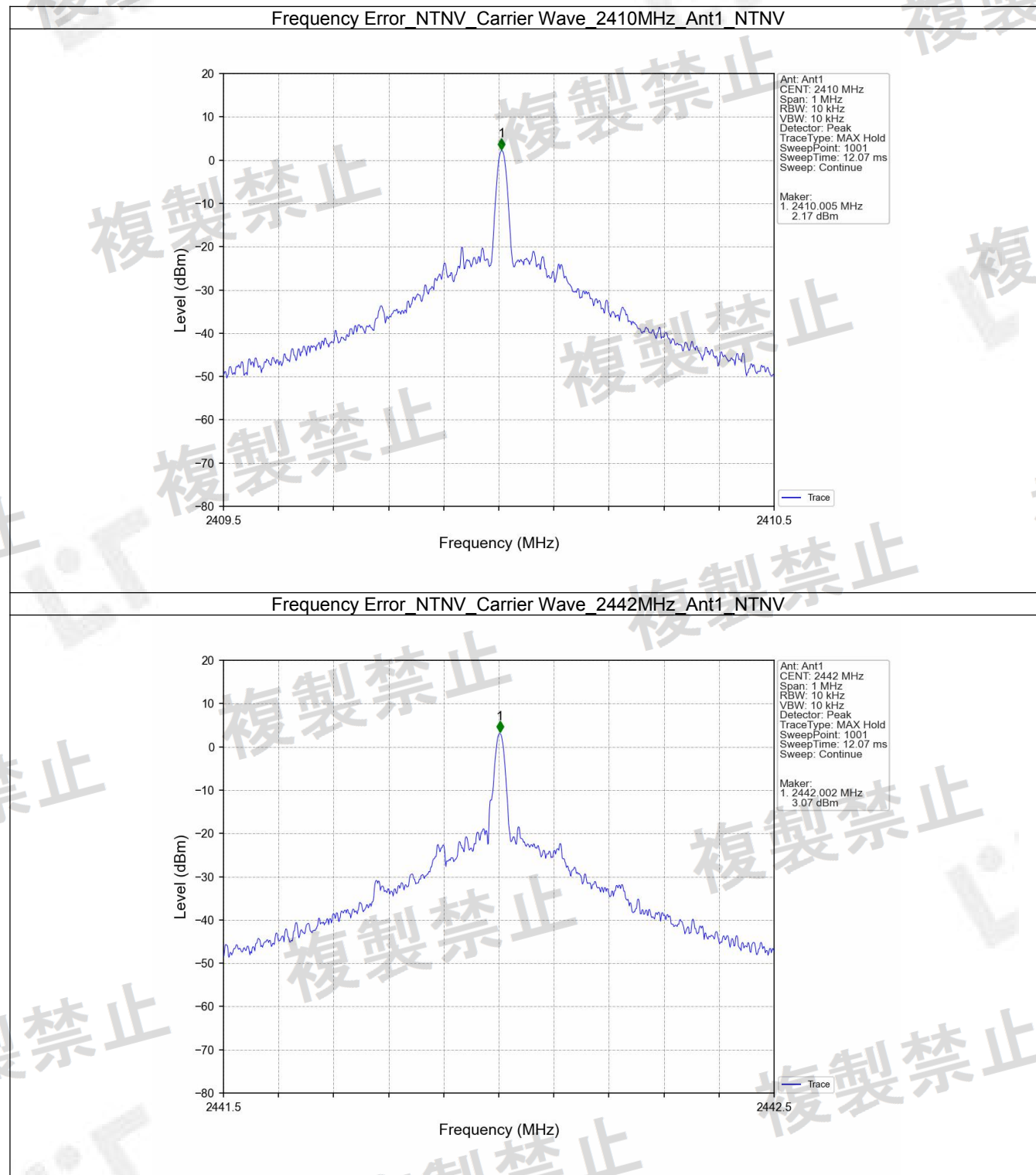
1.1 Test Result

1.1.1 Ant1

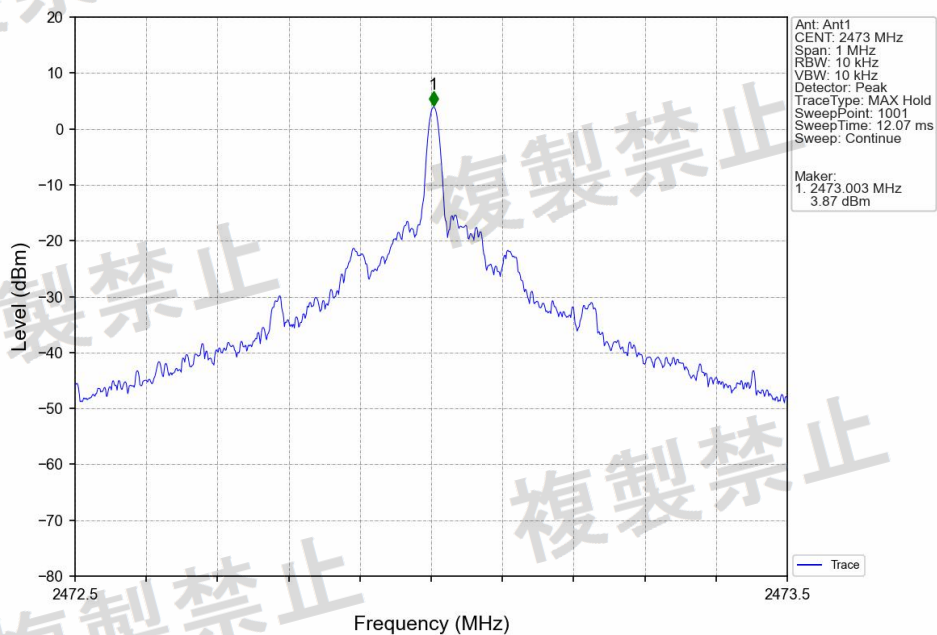
Ant1							
ENV	Mode	TX Type	Frequency (MHz)	Measured Frequency (MHz)	Tolerance (ppm)		Verdict
					Result	Limit	
NTNV	Carrier Wave	SISO	2410	2410.005	2.07	-50 to 50	Pass
			2442	2442.002	0.82	-50 to 50	Pass
			2473	2473.003	1.21	-50 to 50	Pass
NTLV	Carrier Wave	SISO	2410	2410.005	2.07	-50 to 50	Pass
			2442	2442.002	0.82	-50 to 50	Pass
			2473	2473.004	1.62	-50 to 50	Pass
NTHV	Carrier Wave	SISO	2410	2410.005	2.07	-50 to 50	Pass
			2442	2442.002	0.82	-50 to 50	Pass
			2473	2473.003	1.21	-50 to 50	Pass

1.2 Test Graph

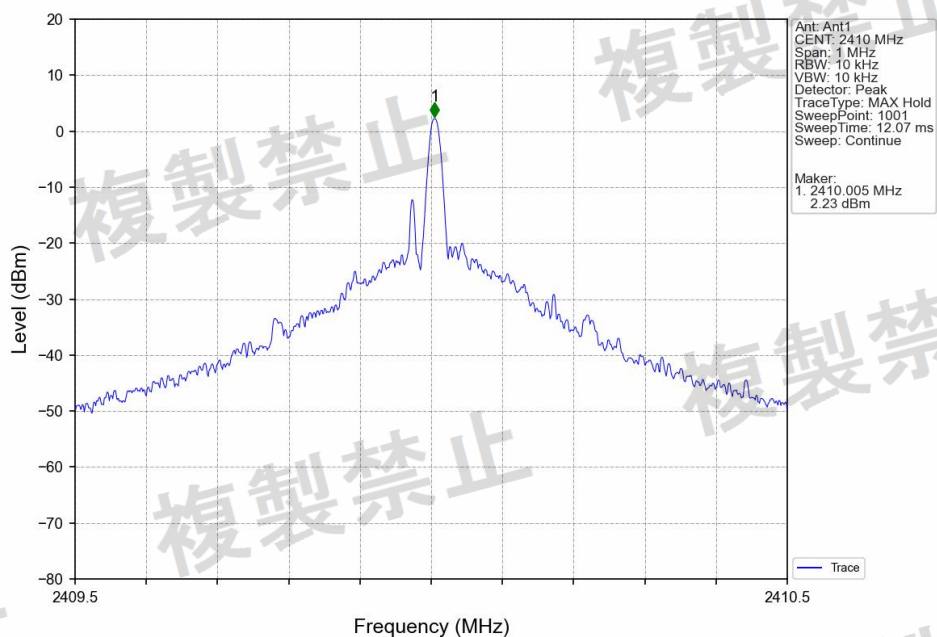
1.2.1 Ant1



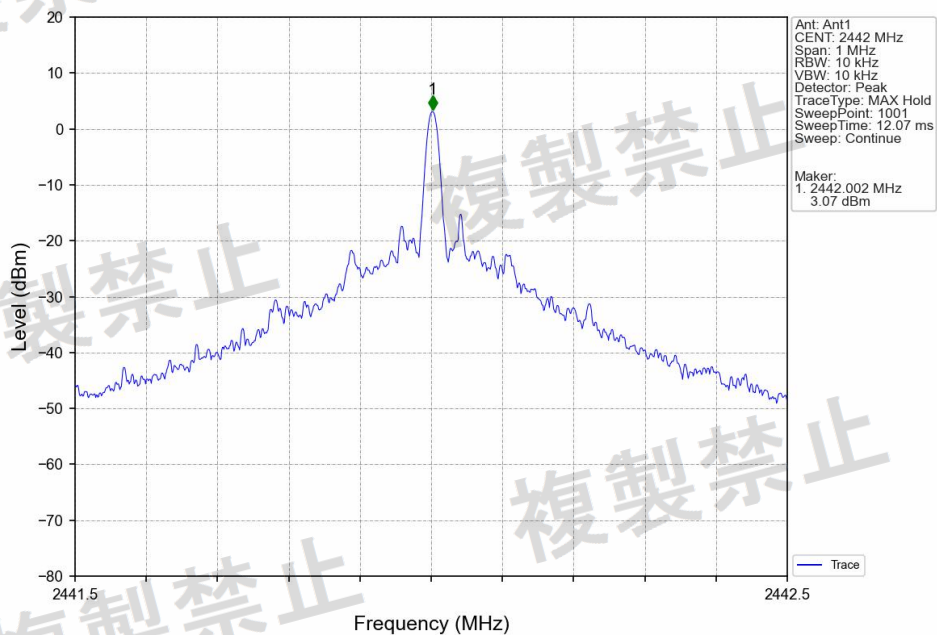
Frequency Error_NTNV_Carrier Wave_2473MHz_Ant1_NTNV



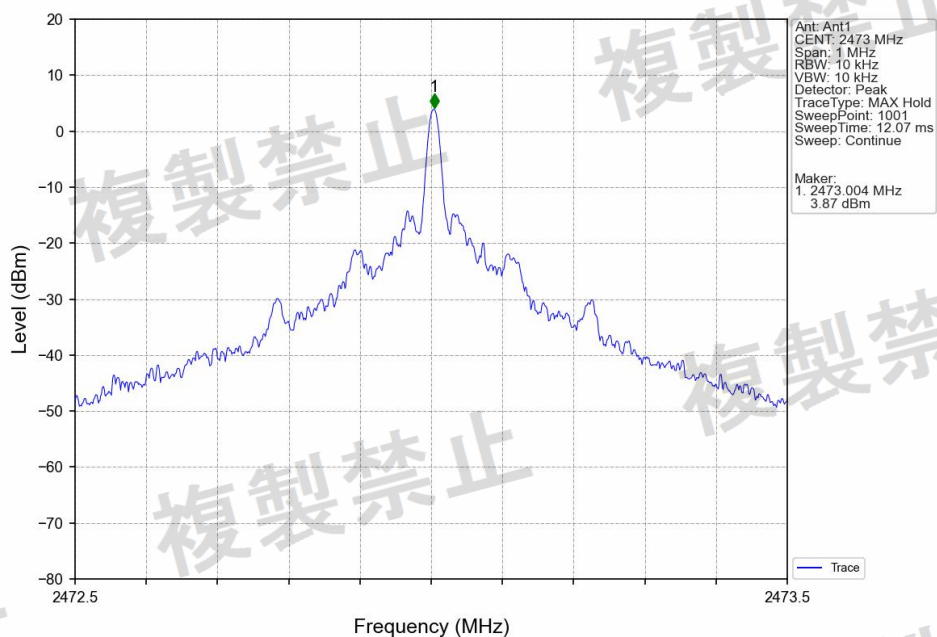
Frequency Error_NTLV_Carrier Wave_2410MHz_Ant1_NTLV



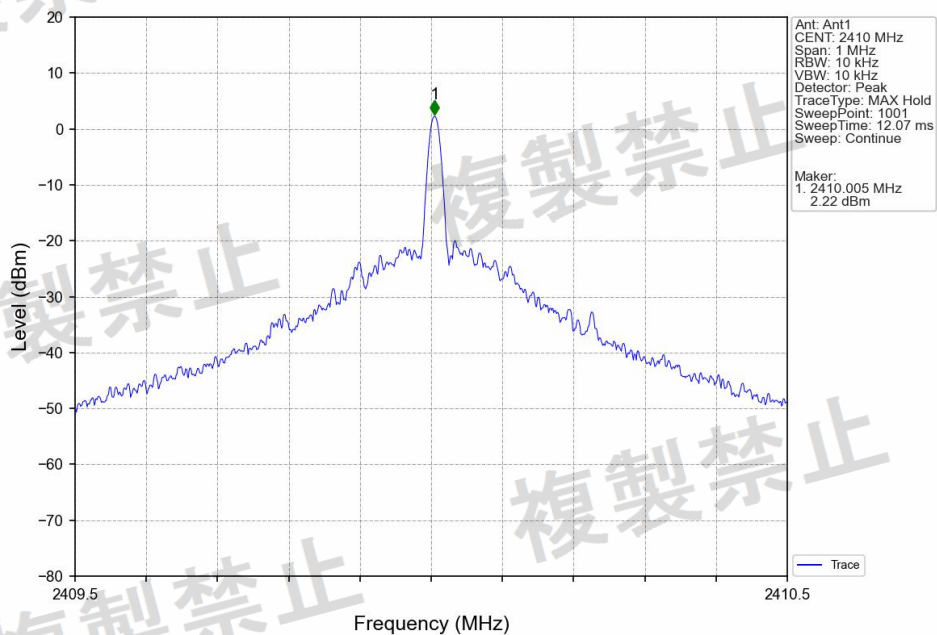
Frequency Error_NTLV_Carrier Wave_2442MHz_Ant1_NTLV



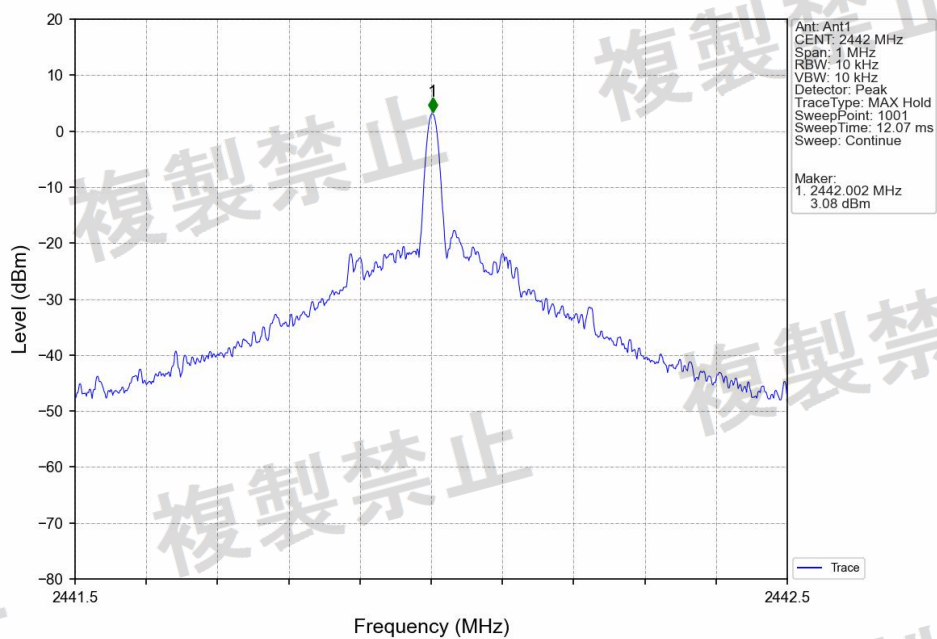
Frequency Error_NTLV_Carrier Wave_2473MHz_Ant1_NTLV

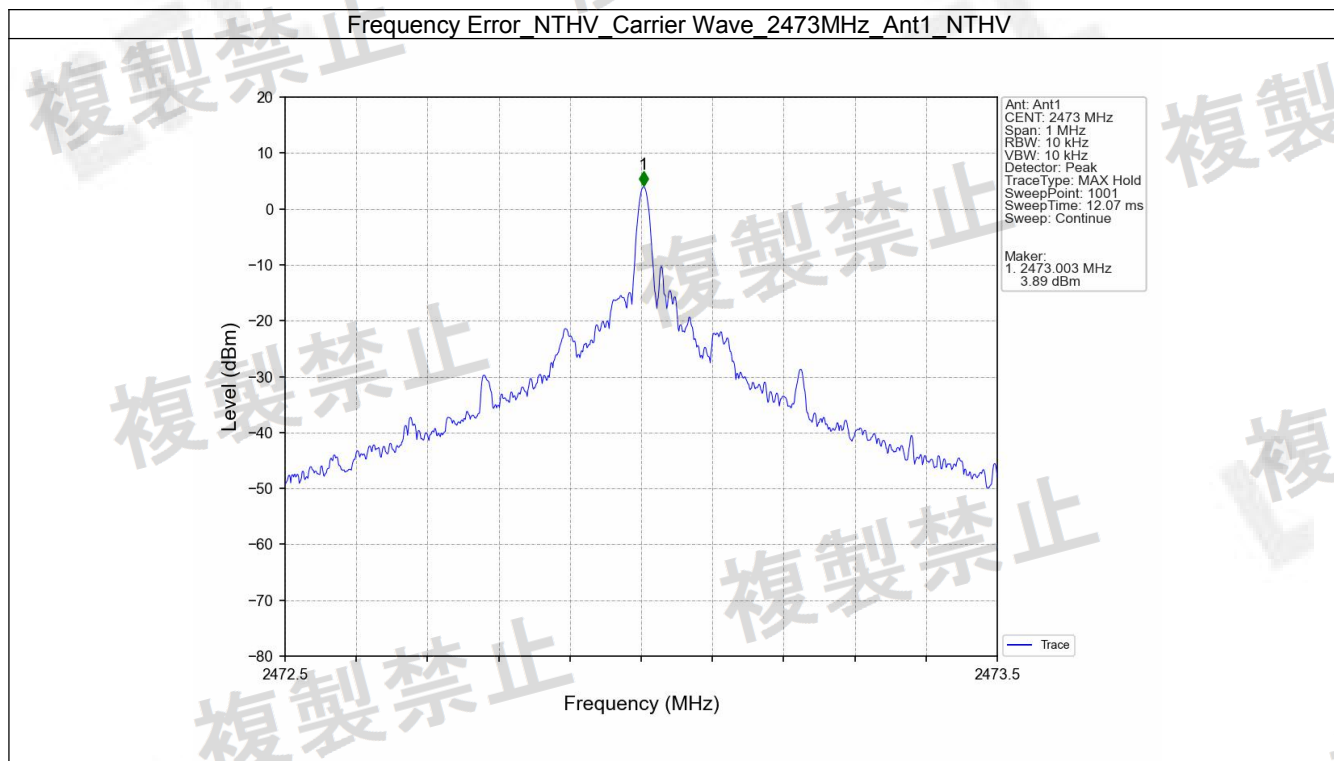


Frequency Error_NTHV_Carrier Wave_2410MHz_Ant1_NTHV



Frequency Error_NTHV_Carrier Wave_2442MHz_Ant1_NTHV





2. Occupied Bandwidth

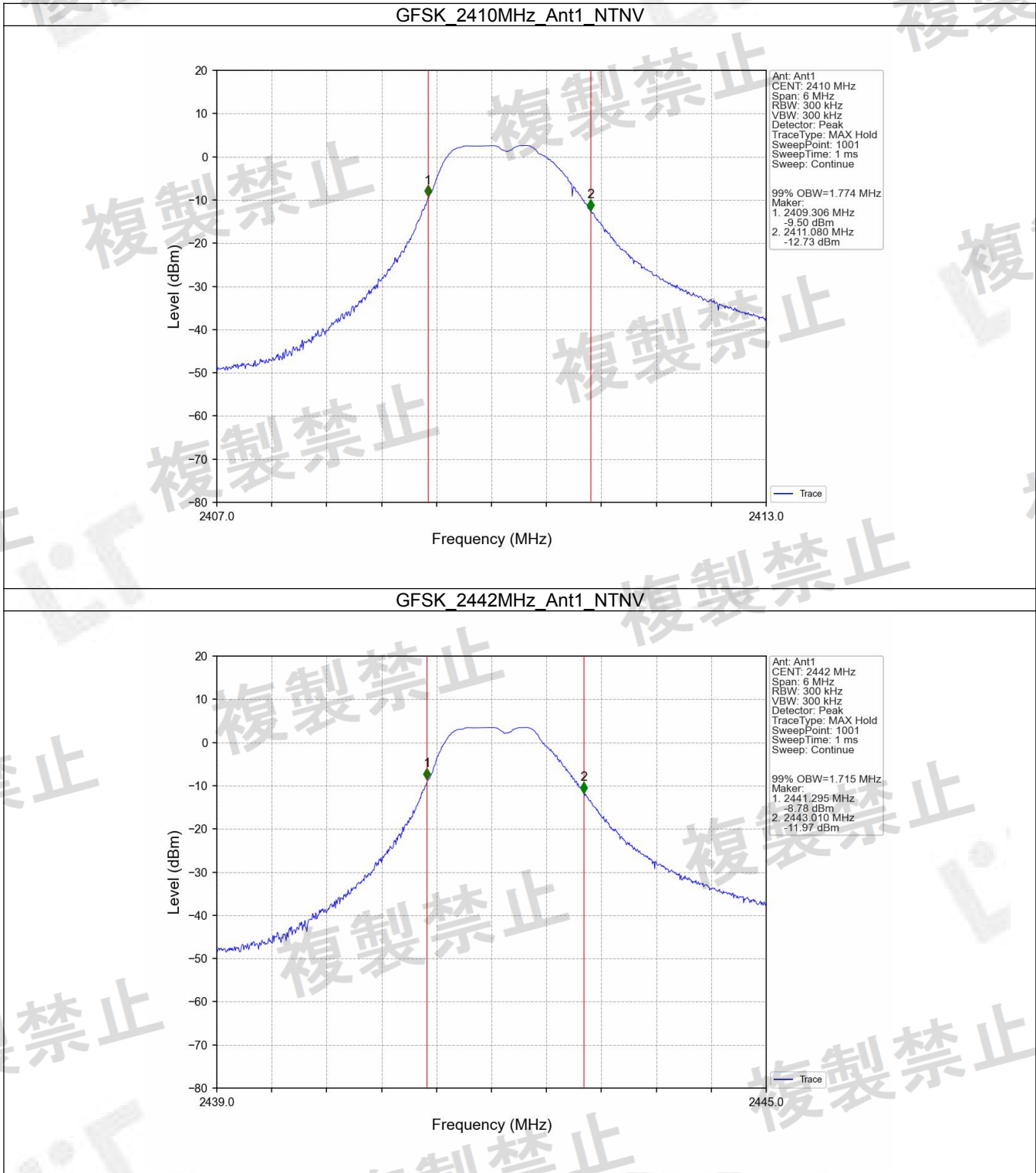
2.1 Test Result

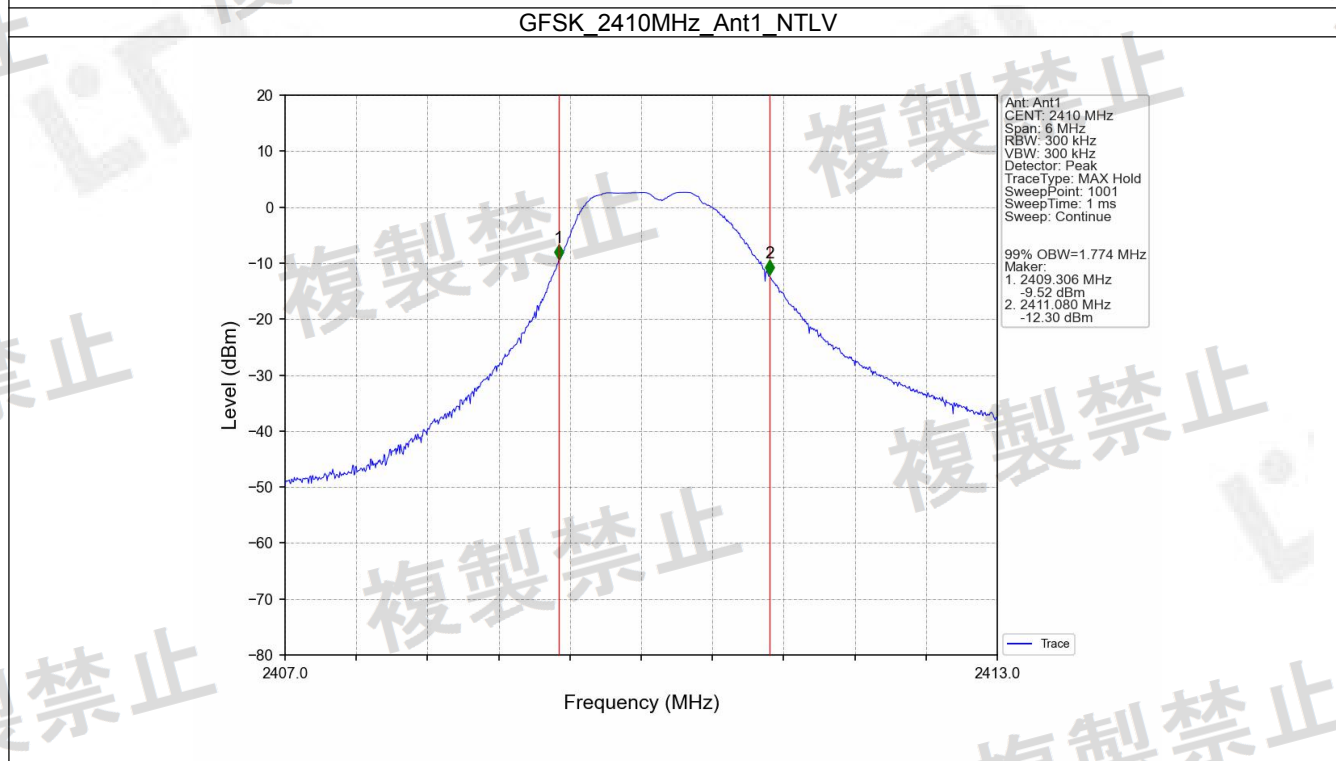
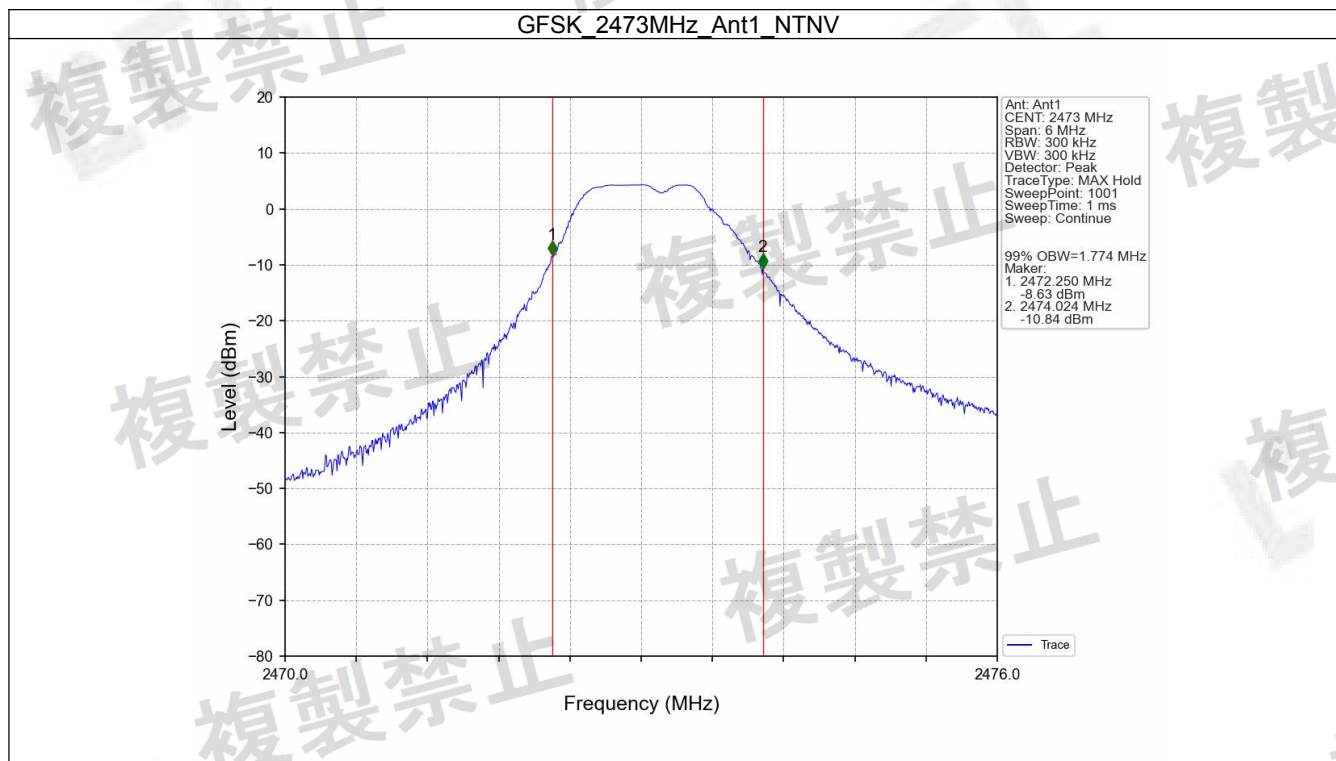
2.1.1 OBW

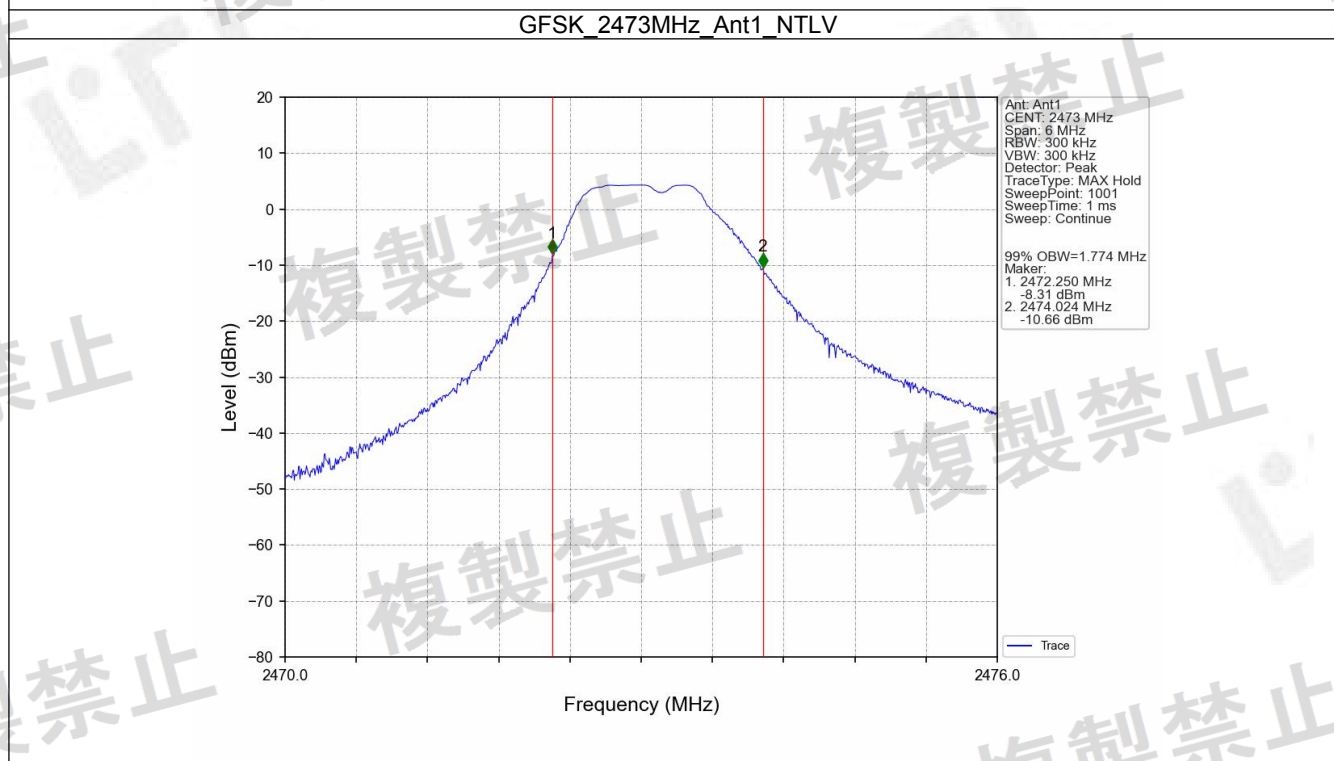
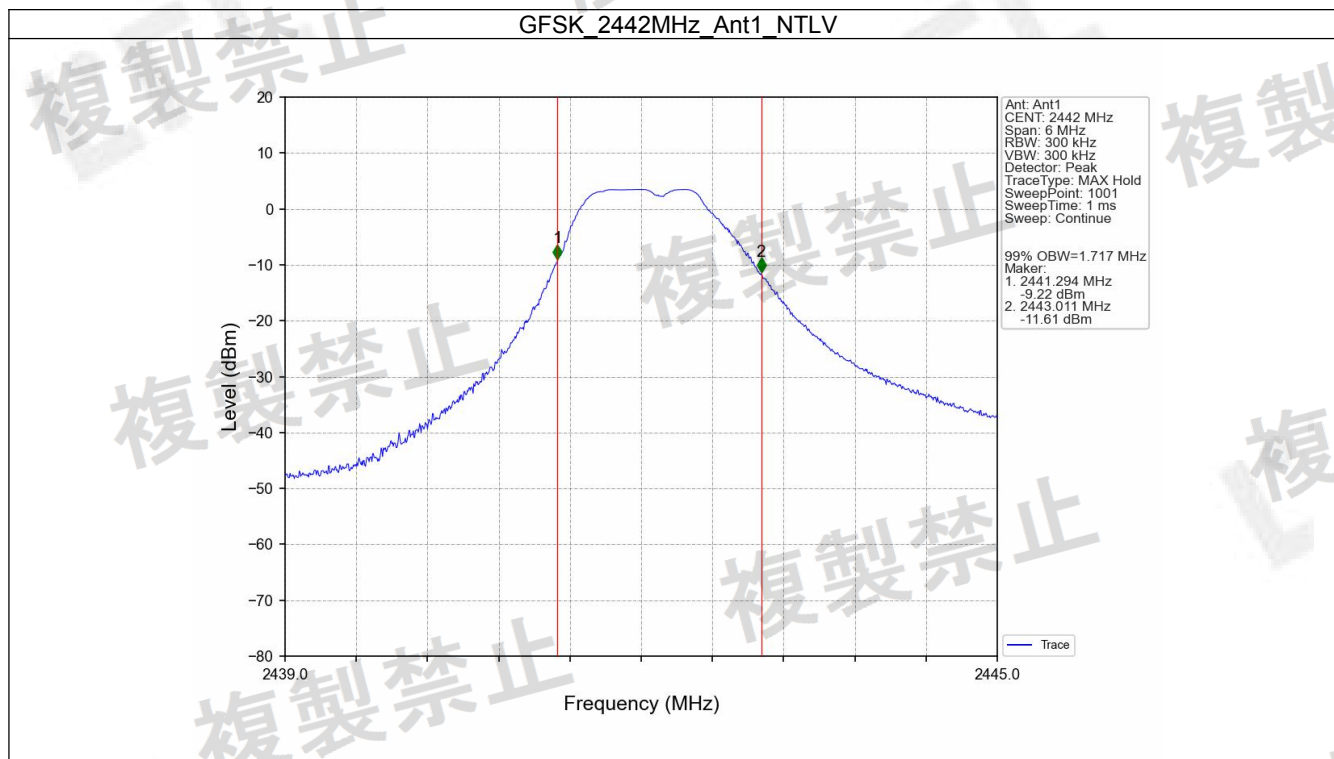
ENV	Mode	TX Type	Frequency (MHz)	99% Occupied Bandwidth (MHz)		Verdict
				ANT1	Limit	
NTNV	GFSK	SISO	2410	1.774	<=26	Pass
			2442	1.715	<=26	Pass
			2473	1.774	<=26	Pass
NTLV	GFSK	SISO	2410	1.774	<=26	Pass
			2442	1.717	<=26	Pass
			2473	1.774	<=26	Pass
NTHV	GFSK	SISO	2410	1.780	<=26	Pass
			2442	1.710	<=26	Pass
			2473	1.779	<=26	Pass

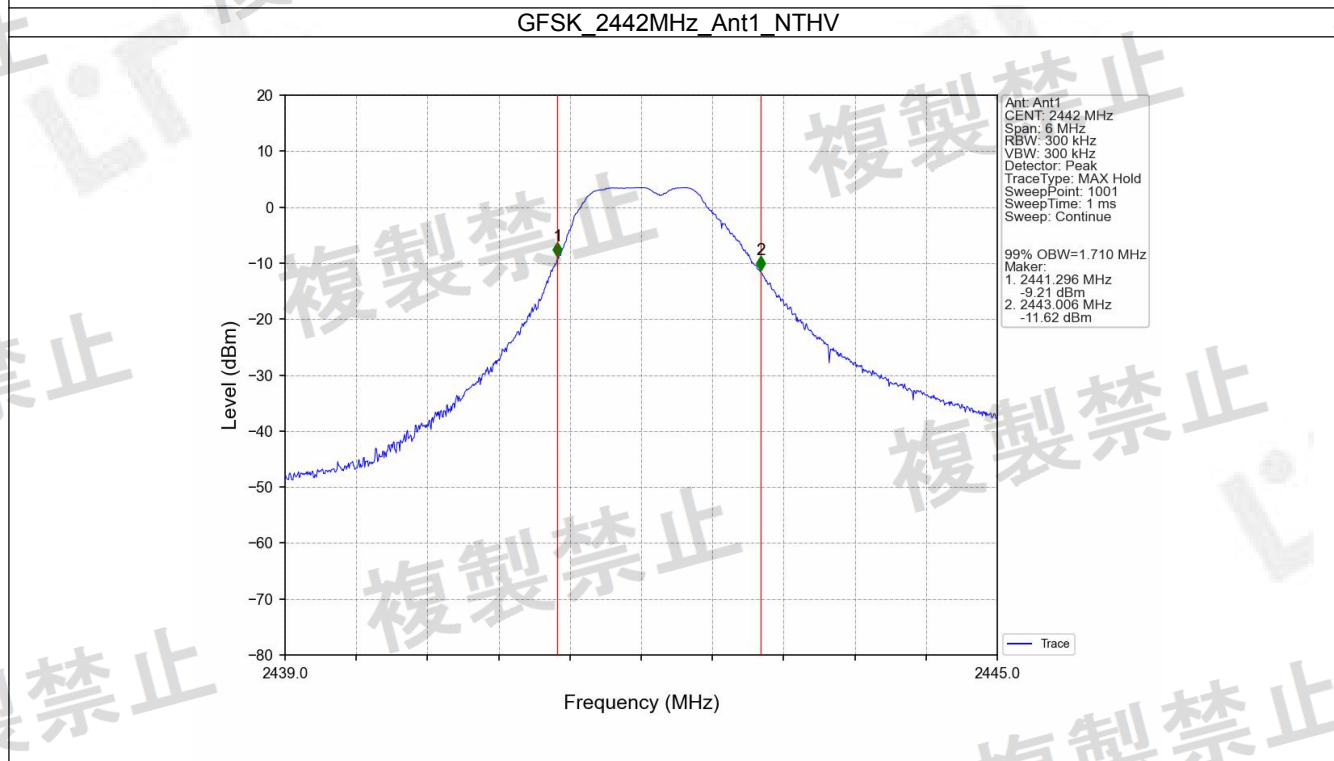
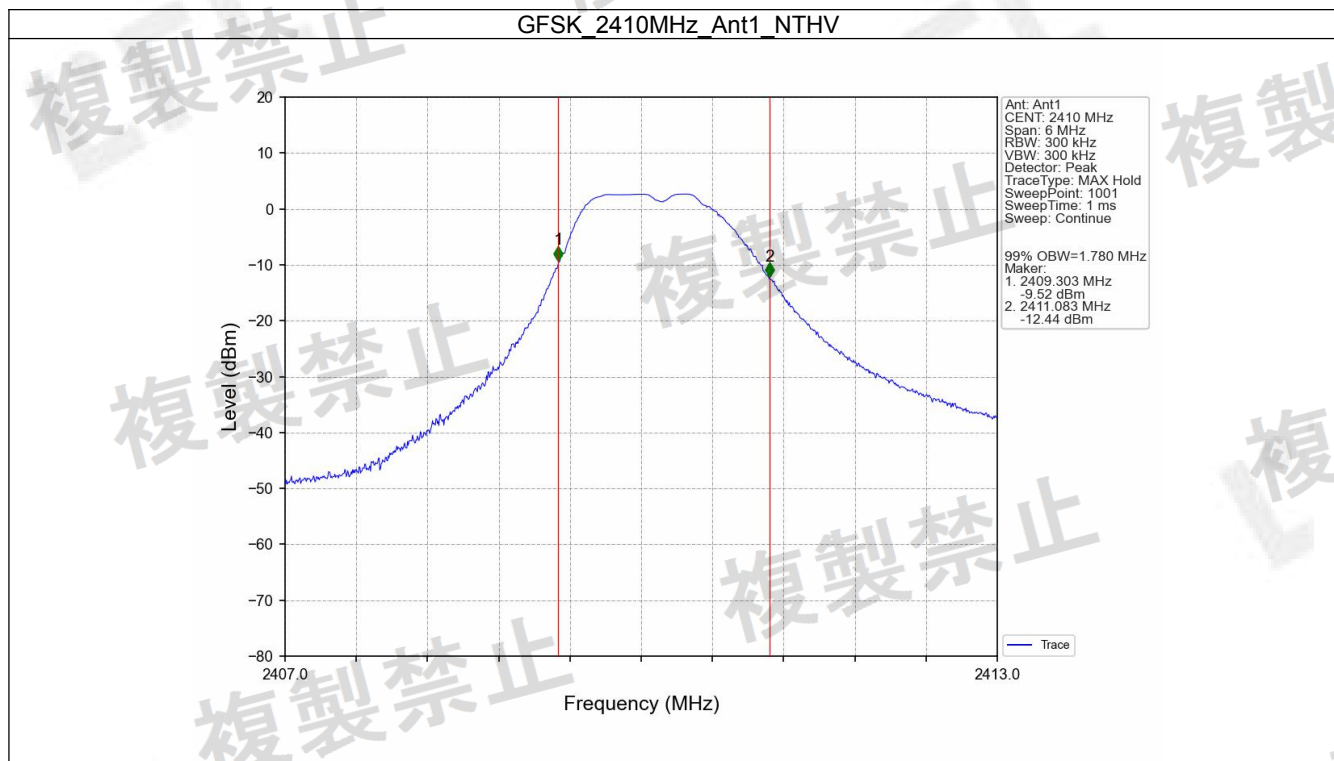
2.2 Test Graph

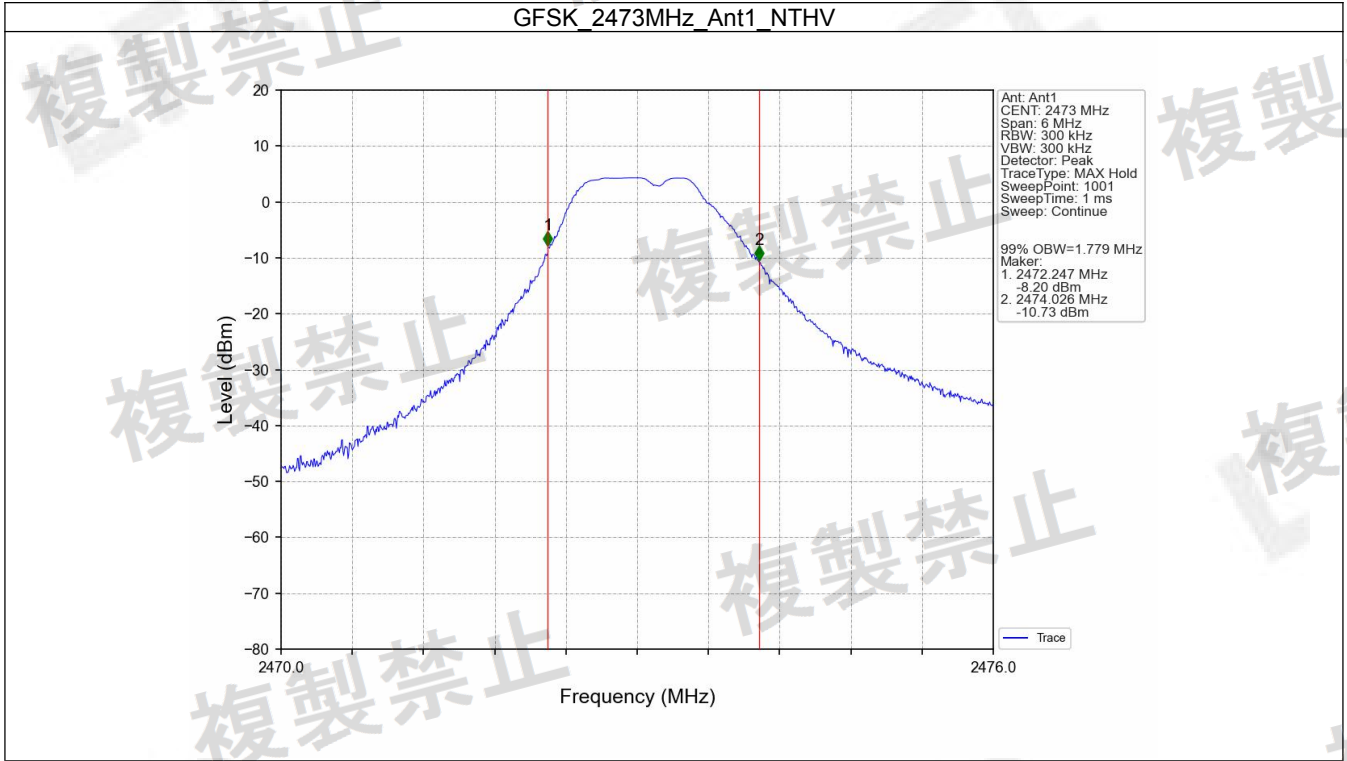
2.2.1 OBW











3. Antenna Power

3.1 Test Result

3.1.1 Power

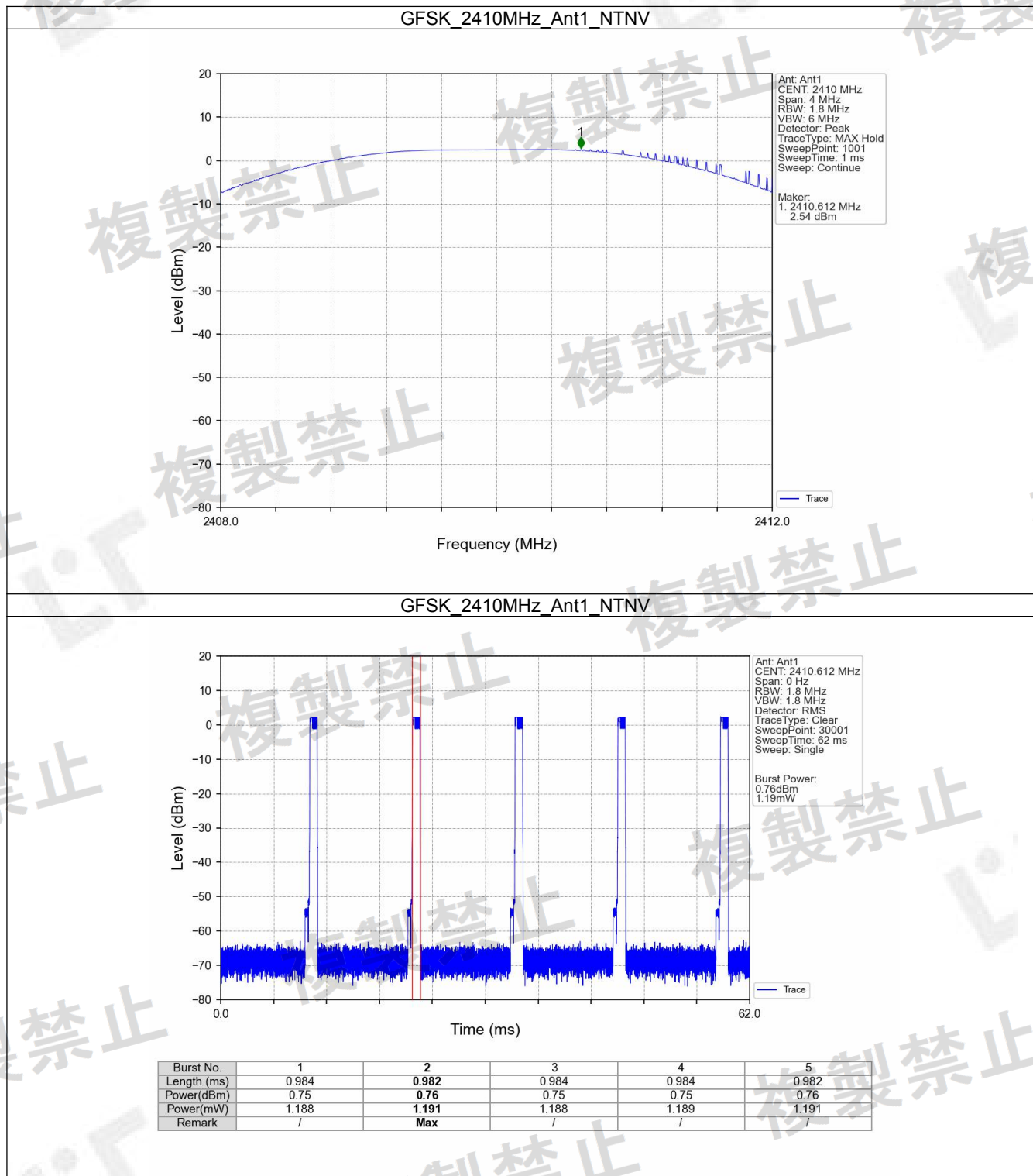
ENV	Mode	TX Type	Frequency (MHz)	ANT	Antenna Power (mW)		Nominal Power (mW)	Tolerance (%)		Verdict
					Measured	Limit		Measured	Limit	
NTNV	GFSK	SISO	2410	1	1.191	<=10.00	2.300	-48.22	20%	Pass
			2442	1	1.734	<=10.00	2.300	-24.61	20%	Pass
			2473	1	2.071	<=10.00	2.300	-9.96	20%	Pass
NTLV	GFSK	SISO	2410	1	1.252	<=10.00	2.300	-45.57	20%	Pass
			2442	1	1.684	<=10.00	2.300	-26.78	20%	Pass
			2473	1	1.820	<=10.00	2.300	-20.87	20%	Pass
NTHV	GFSK	SISO	2410	1	1.177	<=10.00	2.300	-48.83	20%	Pass
			2442	1	1.654	<=10.00	2.300	-28.09	20%	Pass
			2473	1	1.760	<=10.00	2.300	-23.48	20%	Pass

3.1.2 EIRP

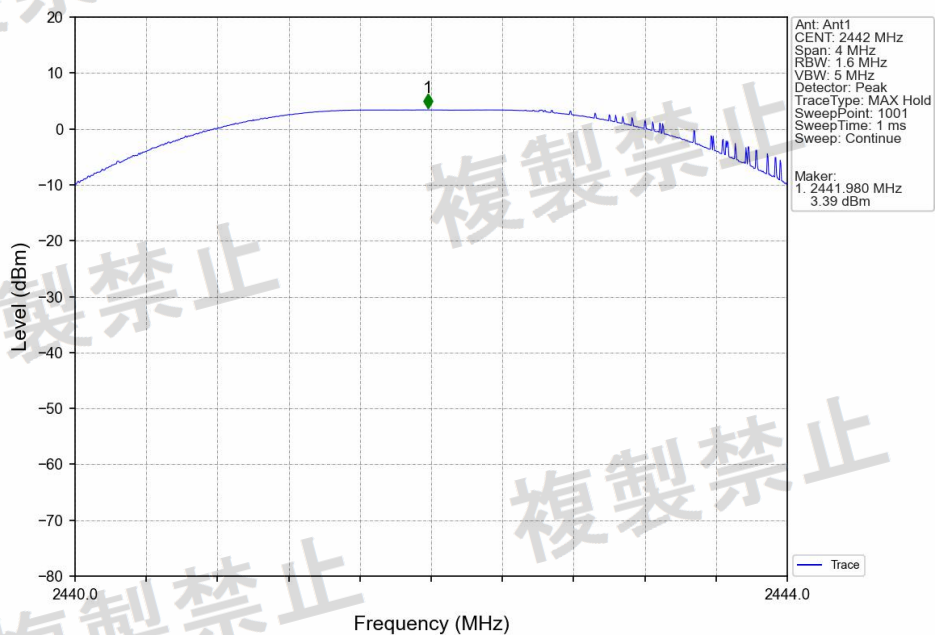
ENV	Mode	TX Type	Frequency (MHz)	ANT	Gain (dBi)	EIRP (dBm)		Verdict
						Result	Limit	
NTNV	GFSK	SISO	2410	1	0.00	0.76	12.14	Pass
			2442	1	0.00	2.39	12.14	Pass
			2473	1	0.00	3.16	12.14	Pass
NTLV	GFSK	SISO	2410	1	0.00	0.98	12.14	Pass
			2442	1	0.00	2.26	12.14	Pass
			2473	1	0.00	2.60	12.14	Pass
NTHV	GFSK	SISO	2410	1	0.00	0.71	12.14	Pass
			2442	1	0.00	2.18	12.14	Pass
			2473	1	0.00	2.46	12.14	Pass

3.2 Test Graph

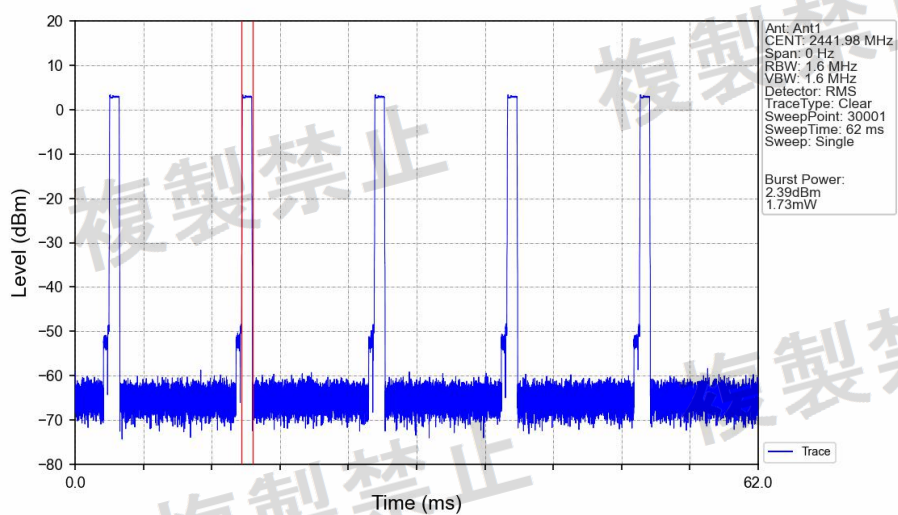
3.2.1 Power



GFSK_2442MHz_Ant1_NTNV

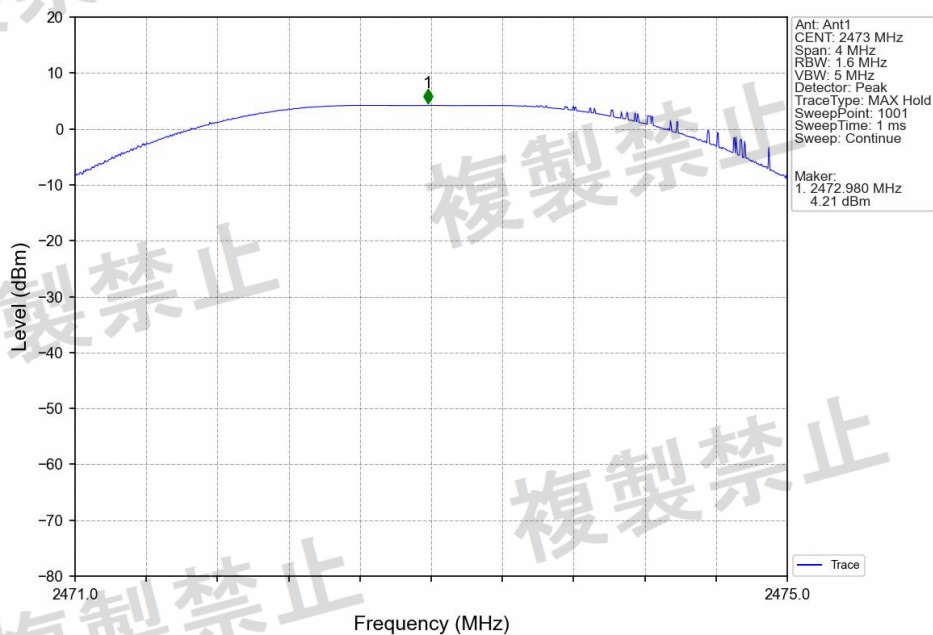


GFSK_2442MHz_Ant1_NTNV

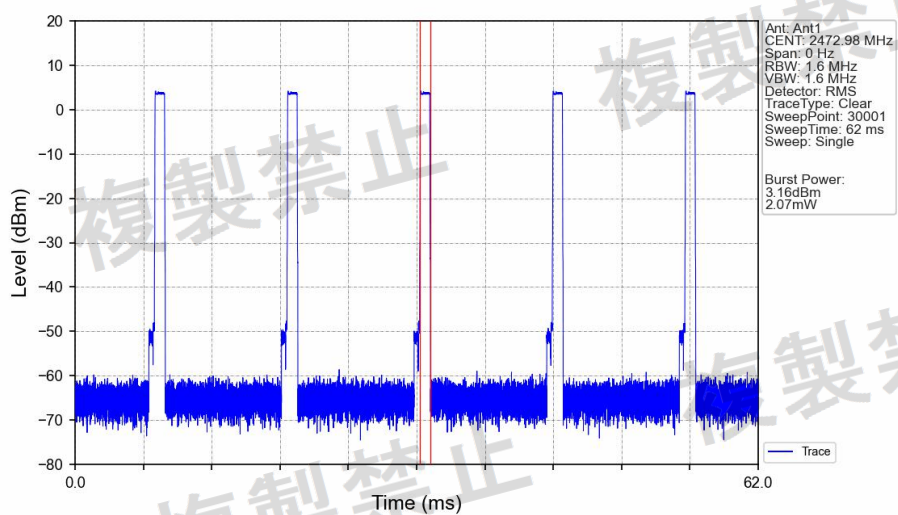


Burst No.	1	2	3	4	5
Length (ms)	0.984	0.982	0.982	0.982	0.982
Power(dBm)	2.38	2.39	2.39	2.39	2.39
Power(mW)	1.731	1.734	1.733	1.734	1.732
Remark	/	Max	/	/	/

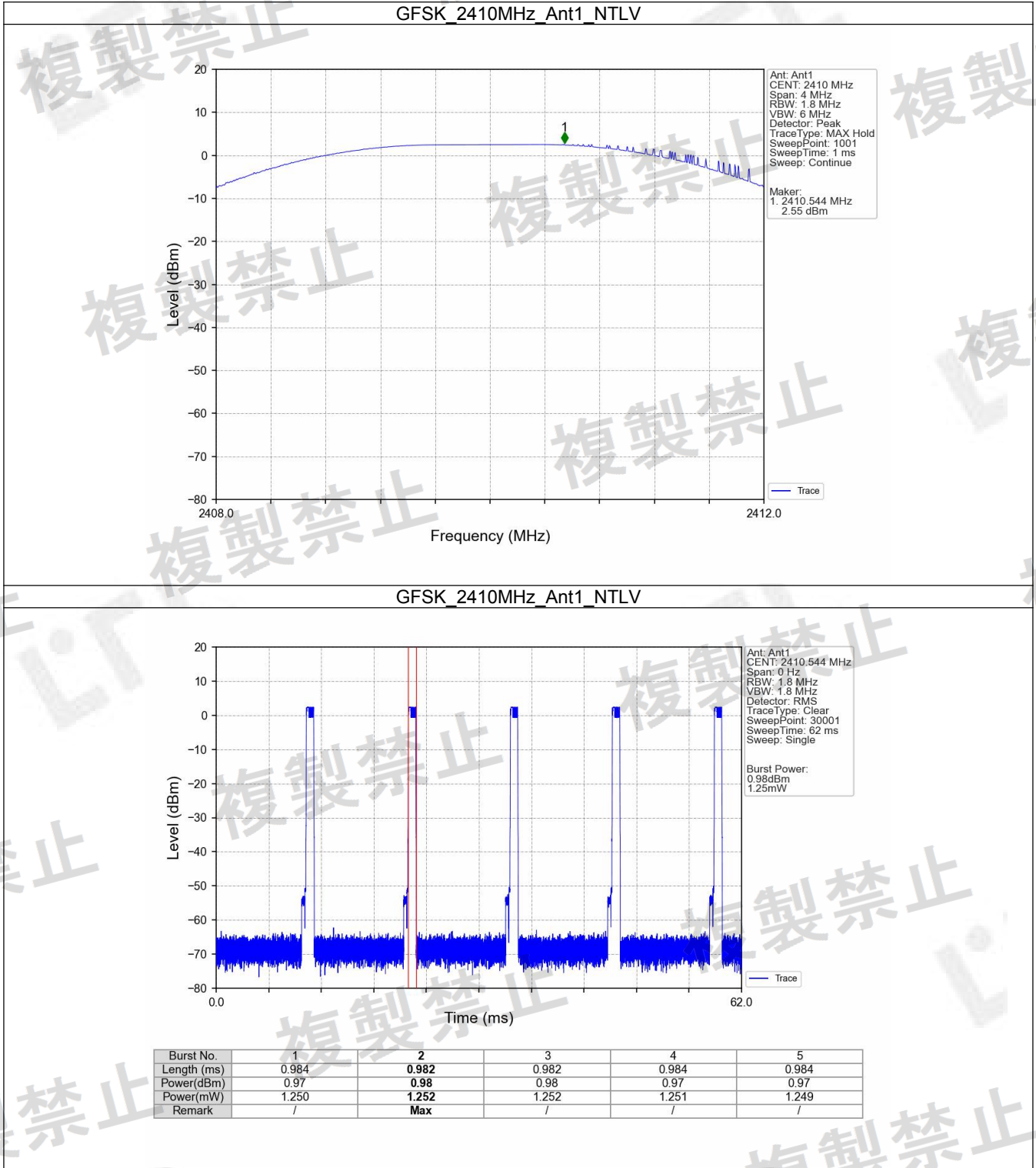
GFSK_2473MHz_Ant1_NTNV



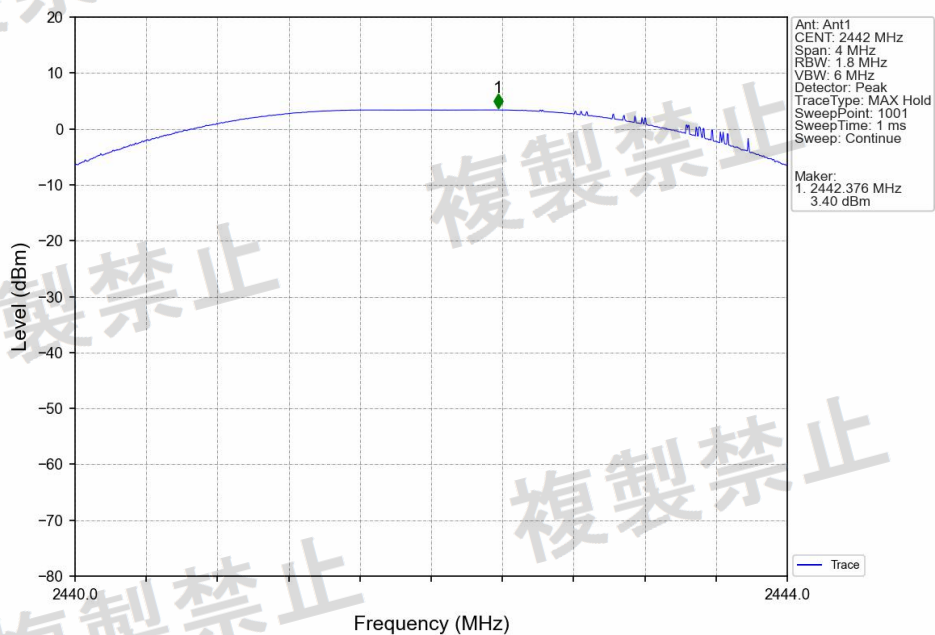
GFSK_2473MHz_Ant1_NTNV



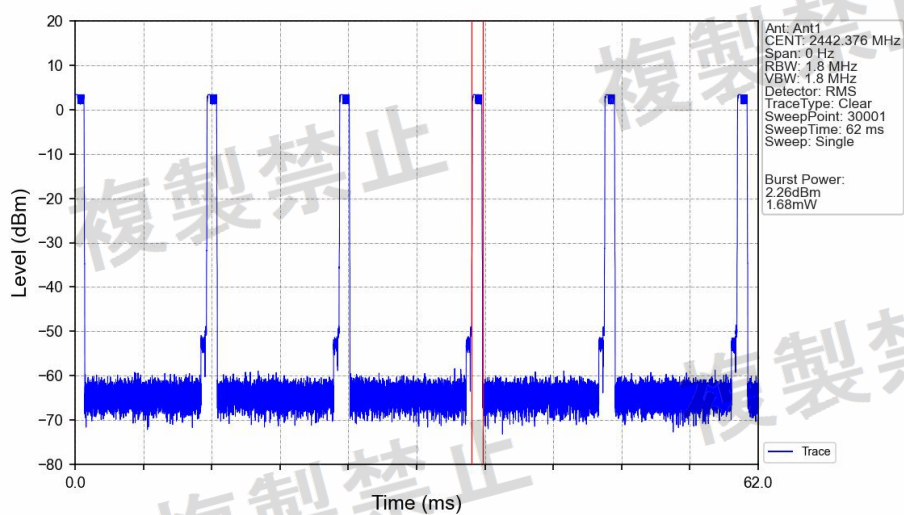
Burst No.	1	2	3	4	5
Length (ms)	0.984	0.984	0.982	0.984	0.984
Power(dBm)	3.15	3.15	3.16	3.15	3.15
Power(mW)	2.066	2.067	2.071	2.065	2.066
Remark	/	/	Max	/	/



GFSK_2442MHz_Ant1_NTLV

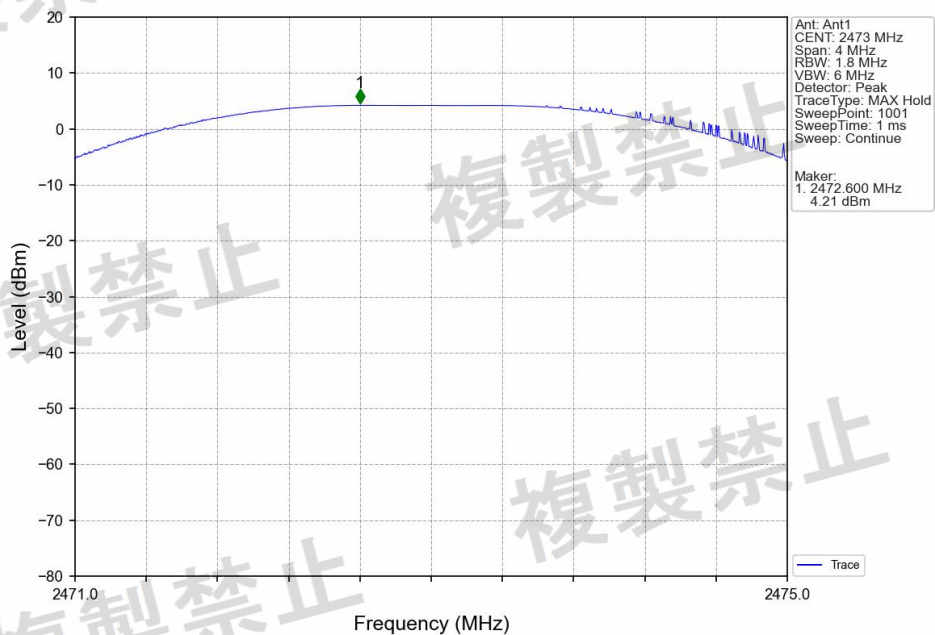


GFSK_2442MHz_Ant1_NTLV

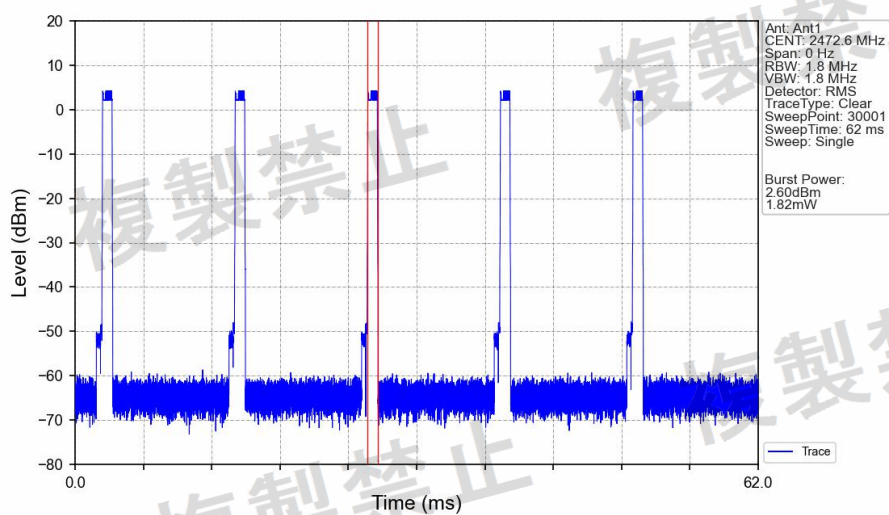


Burst No.	1	2	3	4	5
Length (ms)	0.982	0.982	0.982	0.982	0.982
Power(dBm)	2.26	2.26	2.26	2.26	2.26
Power(mW)	1.684	1.684	1.684	1.683	1.682
Remark	/	/	Max	/	/

GFSK_2473MHz_Ant1_NTLV

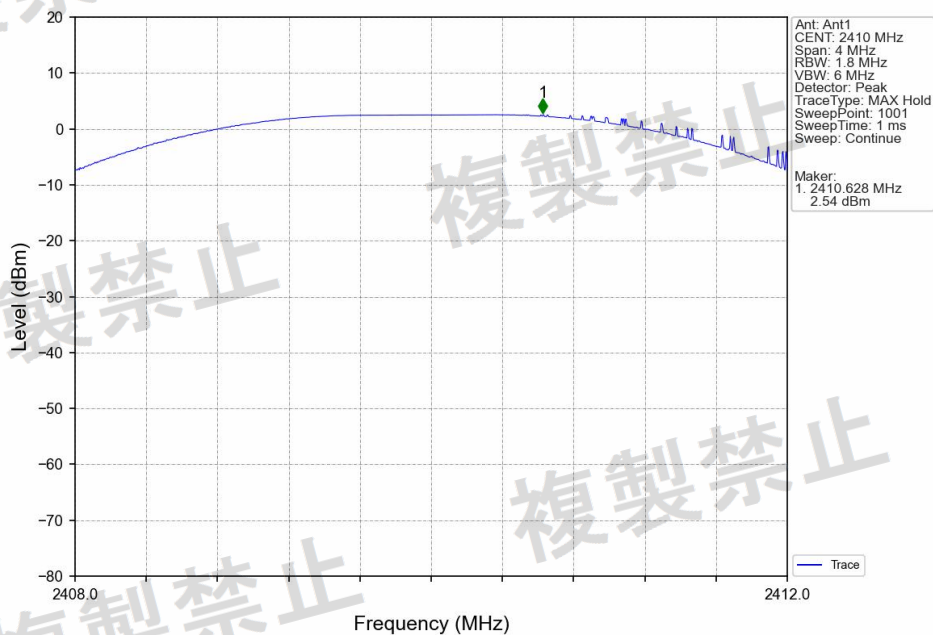


GFSK_2473MHz_Ant1_NTLV

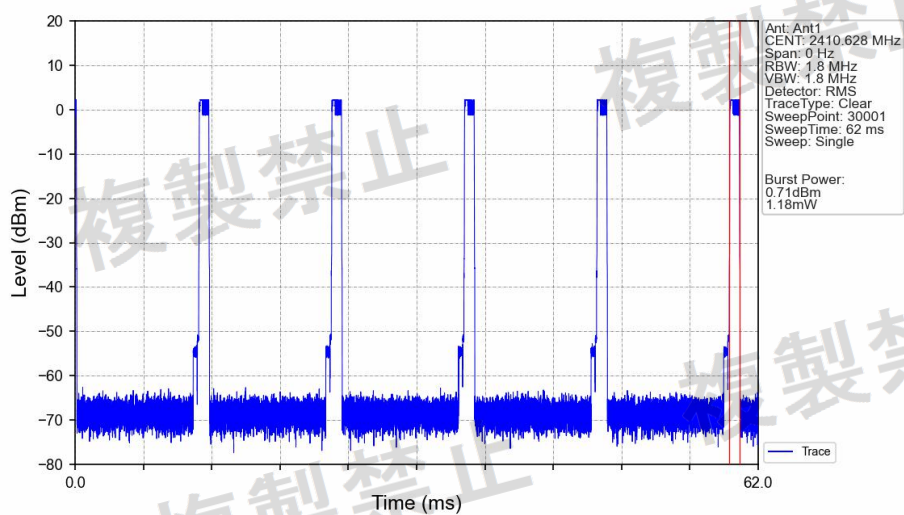


Burst No.	1	2	3	4	5
Length (ms)	0.982	0.984	0.982	0.984	0.982
Power(dBm)	2.60	2.59	2.60	2.59	2.60
Power(mW)	1.820	1.817	1.820	1.817	1.820
Remark	/	/	Max	/	/

GFSK_2410MHz_Ant1_NTHV

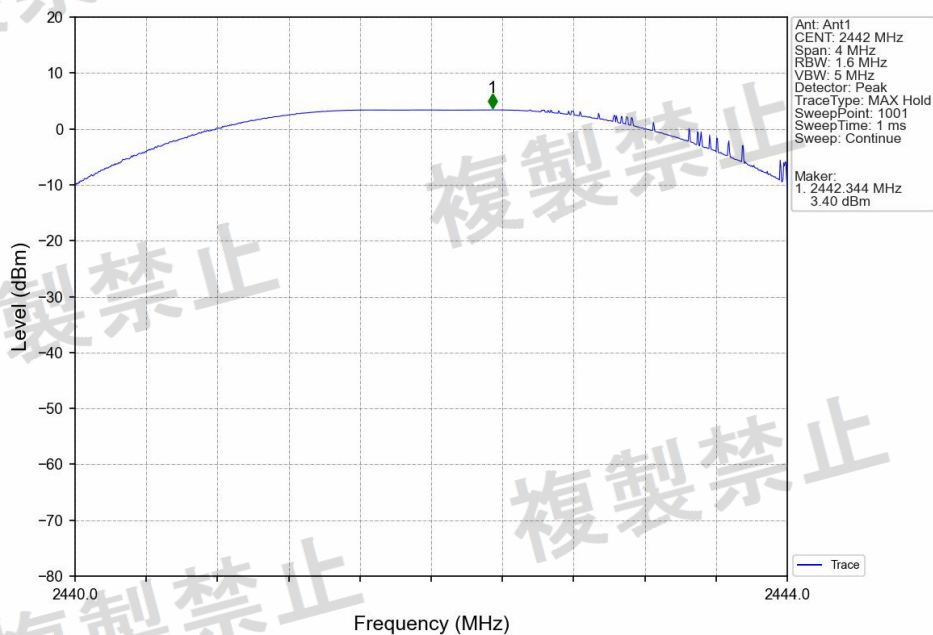


GFSK_2410MHz_Ant1_NTHV

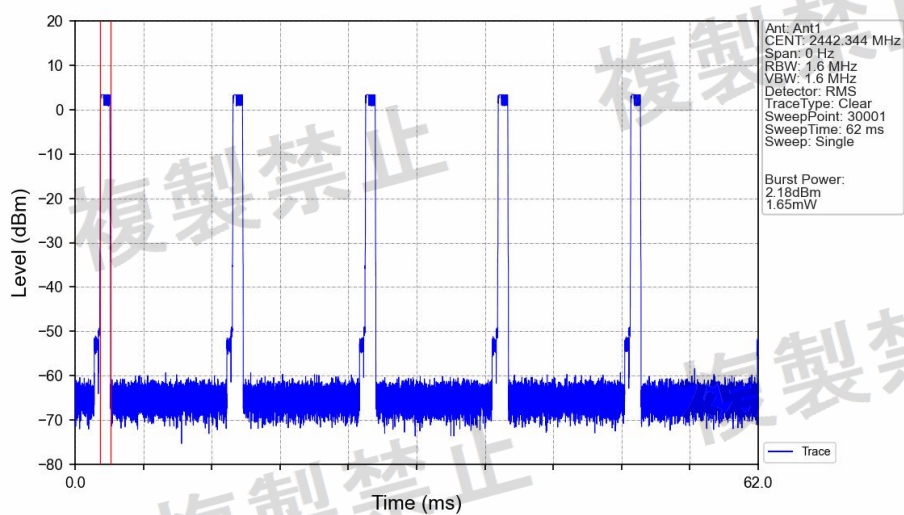


Burst No.	1	2	3	4	5
Length (ms)	0.982	0.984	0.982	0.982	0.982
Power(dBm)	0.71	0.69	0.70	0.70	0.71
Power(mW)	1.176	1.173	1.176	1.176	1.177
Remark	/	/	/	/	Max

GFSK_2442MHz_Ant1_NTHV

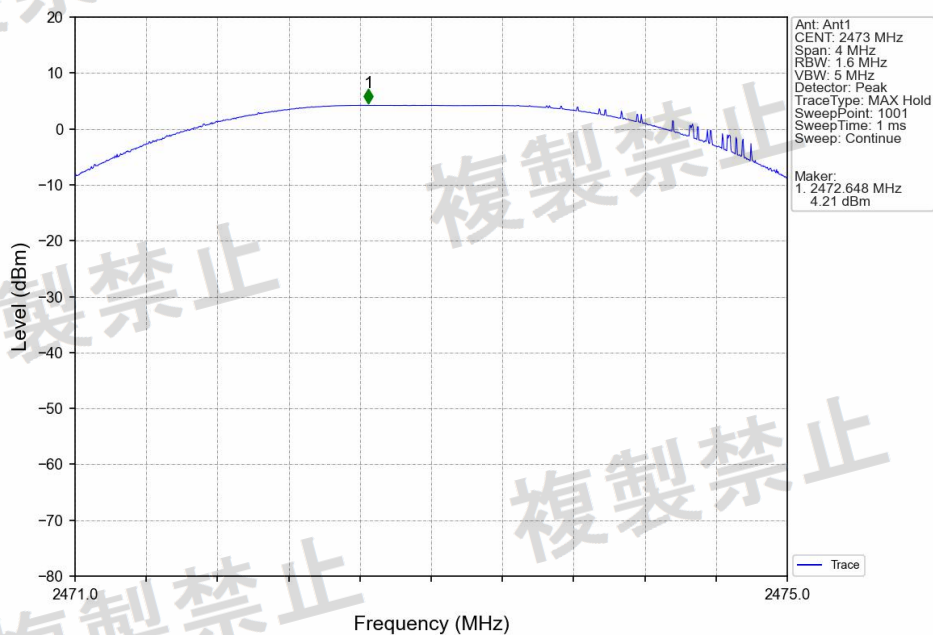


GFSK_2442MHz_Ant1_NTHV

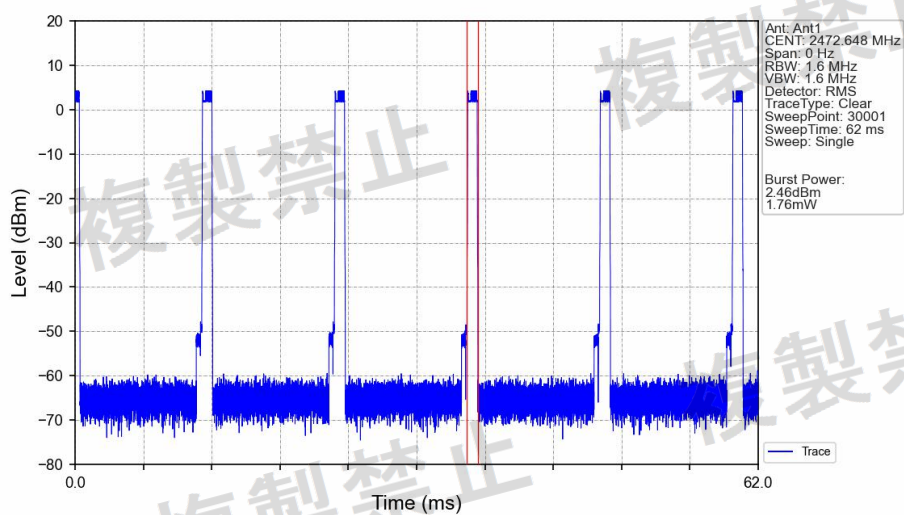


Burst No.	1	2	3	4	5
Length (ms)	0.982	0.984	0.982	0.984	0.982
Power(dBm)	2.18	2.18	2.18	2.17	2.18
Power(mW)	1.654	1.650	1.653	1.650	1.653
Remark	Max	/	/	/	/

GFSK_2473MHz_Ant1_NTHV



GFSK_2473MHz_Ant1_NTHV



Burst No.	1	2	3	4	5
Length (ms)	0.984	0.984	0.982	0.982	0.984
Power(dBm)	2.44	2.45	2.46	2.46	2.44
Power(mW)	1.756	1.756	1.760	1.760	1.753
Remark	/	/	Max	/	/

4. Spurious Emission Intensity

4.1 Test Result

4.1.1 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	2410	1	30	2387	2386.5	-50.56	0.009	/	/	2.5	Pass
				2387	2400	2398.531	-39.77	0.105	/	/	25	Pass
				2483.5	2496.5	2484.904	-57.74	0.002	/	/	25	Pass
				2496.5	12500	4820	-42.39	0.058	/	/	2.5	Pass
		2442	1	30	2387	2273	-55.59	0.003	/	/	2.5	Pass
				2387	2400	2397.517	-54.99	0.003	/	/	25	Pass
				2483.5	2496.5	2487.491	-52.96	0.005	/	/	25	Pass
				2496.5	12500	4885.5	-44.58	0.035	/	/	2.5	Pass
		2473	1	30	2387	2150.5	-54.74	0.003	/	/	2.5	Pass
				2387	2400	2398.804	-55.71	0.003	/	/	25	Pass
				2483.5	2496.5	2484.917	-36.05	0.248	/	/	25	Pass
				2496.5	12500	4947	-44.38	0.036	/	/	2.5	Pass

4.1.2 TxSe_NTLV

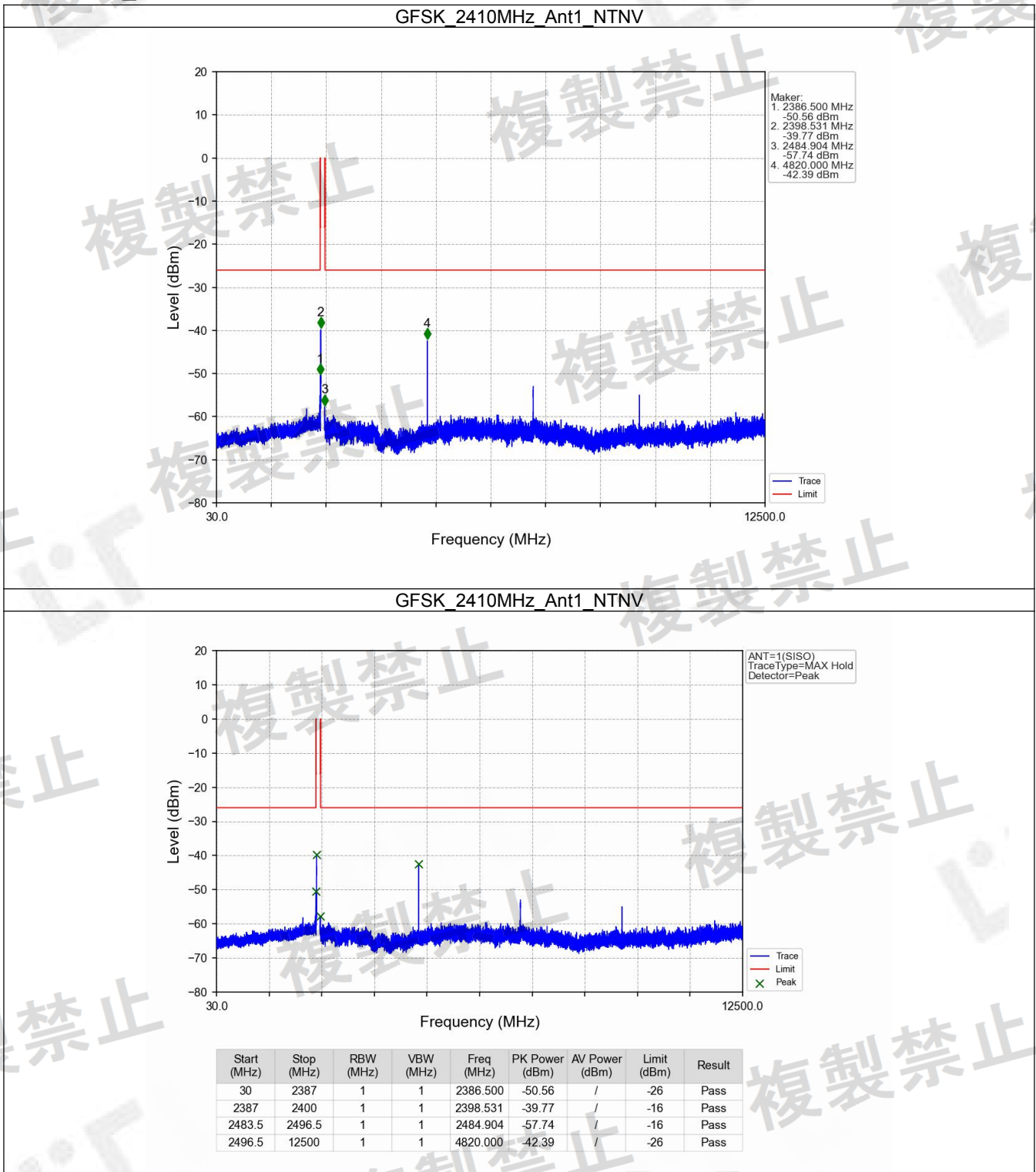
NTLV												
Mode	TX Type	Freq. (MHz)	ANT	Freq. Range		Marker					Limit (uW /MHz)	Verdict
				Start (MHz)	Stop (MHz)	Freq. (MHz)	PK Power (dBm /MHz)	PK Power (uW /MHz)	AV Power (dBm /MHz)	AV Power (uW /MHz)		
GFSK	SISO	2410	1	30	2387	2386.5	-51.51	0.007	/	/	2.5	Pass
				2387	2400	2398.349	-39.93	0.102	/	/	25	Pass
				2483.5	2496.5	2496.396	-56.96	0.002	/	/	25	Pass
				2496.5	12500	4821.5	-42.32	0.059	/	/	2.5	Pass
		2442	1	30	2387	2301	-54.91	0.003	/	/	2.5	Pass
				2387	2400	2396.919	-55.25	0.003	/	/	25	Pass
				2483.5	2496.5	2490.299	-53.87	0.004	/	/	25	Pass
				2496.5	12500	4884	-44.26	0.037	/	/	2.5	Pass
		2473	1	30	2387	2082.5	-55.20	0.003	/	/	2.5	Pass
				2387	2400	2392.551	-56.09	0.002	/	/	25	Pass
				2483.5	2496.5	2484.93	-36.15	0.243	/	/	25	Pass
				2496.5	12500	4947.5	-46.10	0.025	/	/	2.5	Pass

4.1.3 TxSe_NTHV

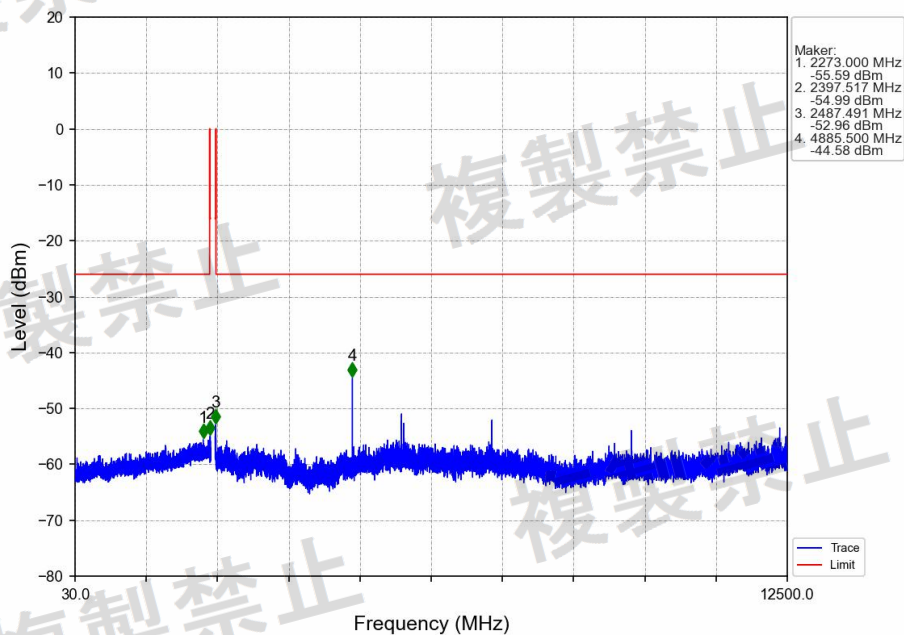
NTHV												
Mode	TX Type	Freq. (MHz)	ANT	Freq. Range		Marker					Limit (uW /MHz)	Verdict
				Start (MHz)	Stop (MHz)	Freq. (MHz)	PK Power (dBm /MHz)	PK Power (uW /MHz)	AV Power (dBm /MHz)	AV Power (uW /MHz)		
GFSK	SISO	2410	1	30	2387	2386.5	-50.52	0.009	/	/	2.5	Pass
				2387	2400	2398.414	-39.71	0.107	/	/	25	Pass
				2483.5	2496.5	2495.733	-58.23	0.002	/	/	25	Pass
				2496.5	12500	4821	-42.64	0.054	/	/	2.5	Pass
		2442	1	30	2387	2171.5	-55.65	0.003	/	/	2.5	Pass
				2387	2400	2399.35	-55.07	0.003	/	/	25	Pass
				2483.5	2496.5	2489.779	-54.01	0.004	/	/	25	Pass
				2496.5	12500	4885	-42.99	0.050	/	/	2.5	Pass
		2473	1	30	2387	2312	-55.73	0.003	/	/	2.5	Pass
				2387	2400	2387.481	-56.08	0.002	/	/	25	Pass
				2483.5	2496.5	2485.086	-36.18	0.241	/	/	25	Pass
				2496.5	12500	4947.5	-45.69	0.027	/	/	2.5	Pass

4.2 Test Graph

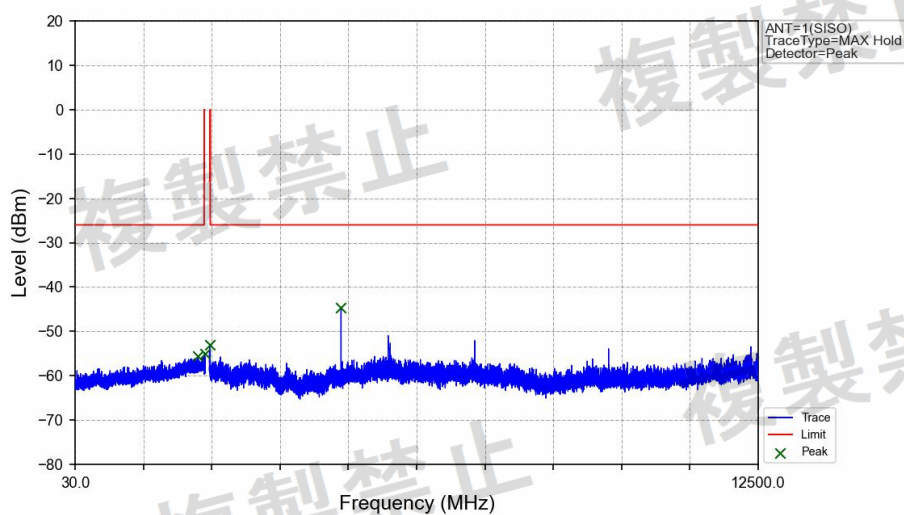
4.2.1 TxSe_NTNV



GFSK_2442MHz_Ant1_NTNV

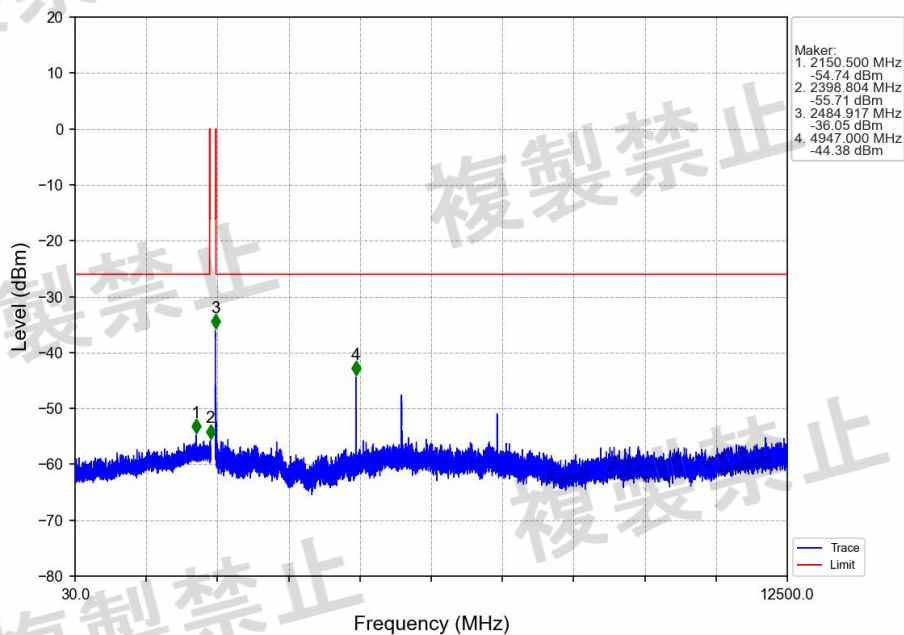


GFSK_2442MHz_Ant1_NTNV

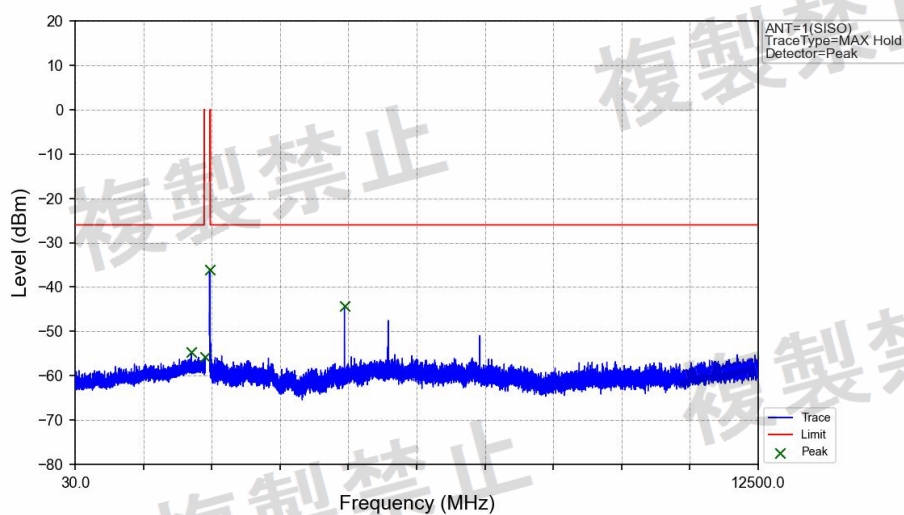


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	2273.000	-55.59	/	-26	Pass
2387	2400	1	1	2397.517	-54.99	/	-16	Pass
2483.5	2496.5	1	1	2487.491	-52.96	/	-16	Pass
2496.5	12500	1	1	4885.500	-44.58	/	-26	Pass

GFSK_2473MHz_Ant1_NTNV

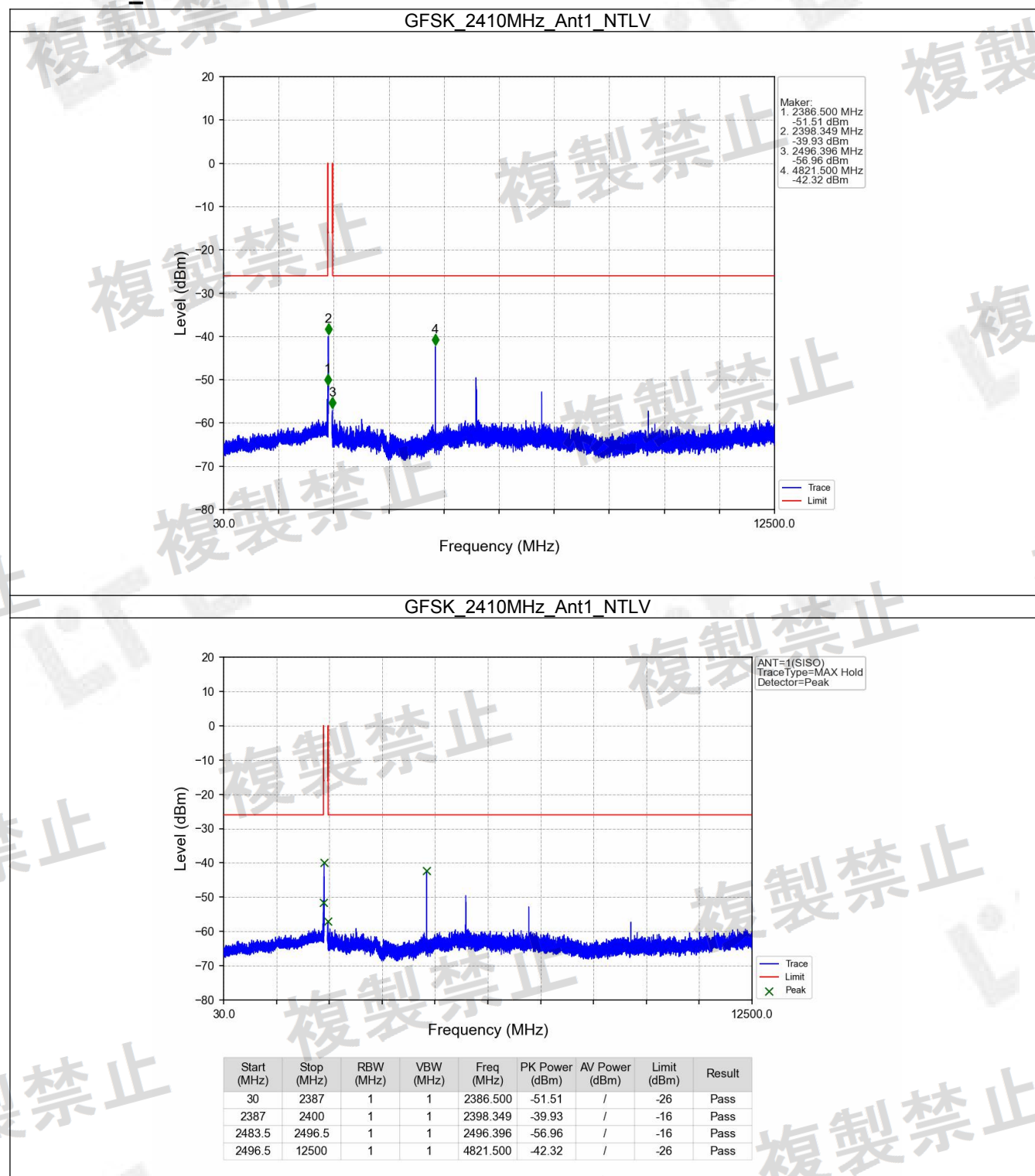


GFSK_2473MHz_Ant1_NTNV

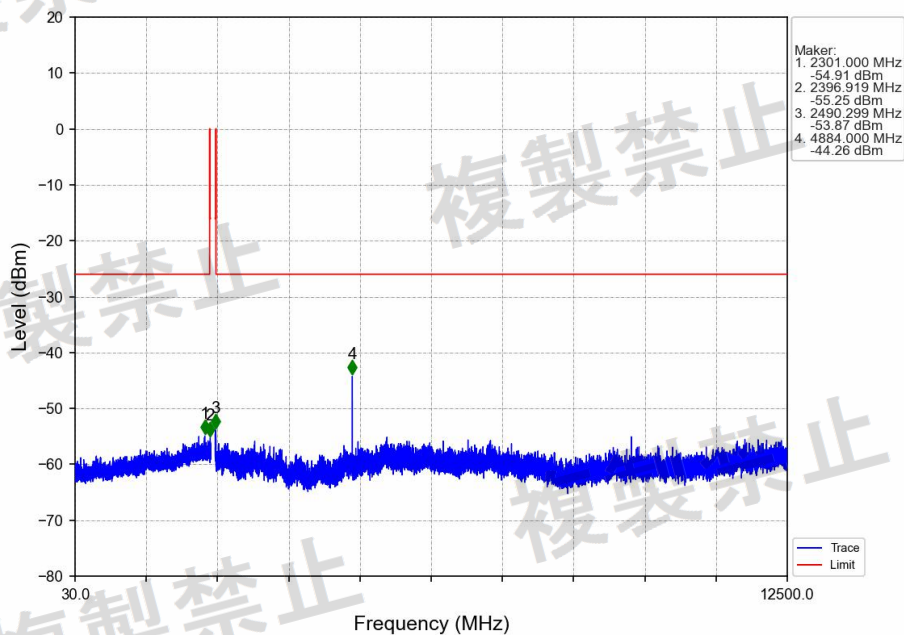


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	2150.500	-54.74	/	-26	Pass
2387	2400	1	1	2398.804	-55.71	/	-16	Pass
2483.5	2496.5	1	1	2484.917	-36.05	/	-16	Pass
2496.5	12500	1	1	4947.000	-44.38	/	-26	Pass

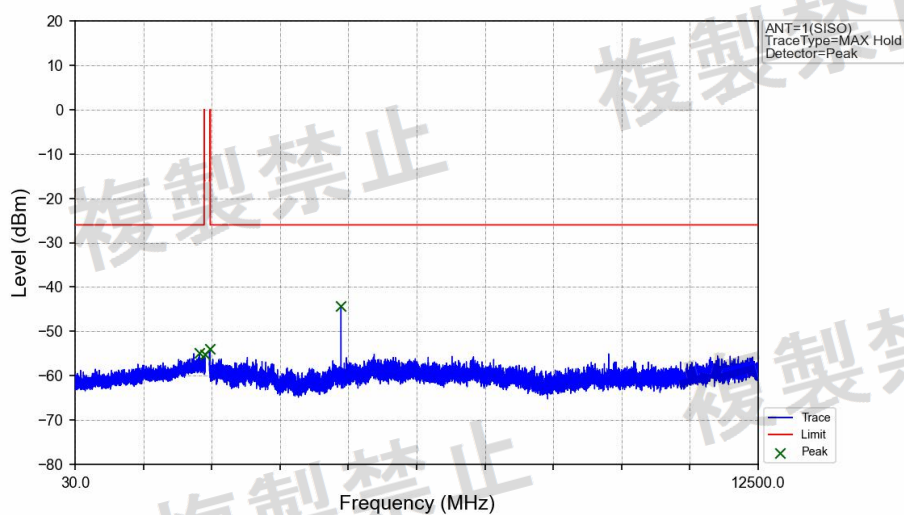
4.2.2 TxSe_NTLV



GFSK_2442MHz_Ant1_NTLV

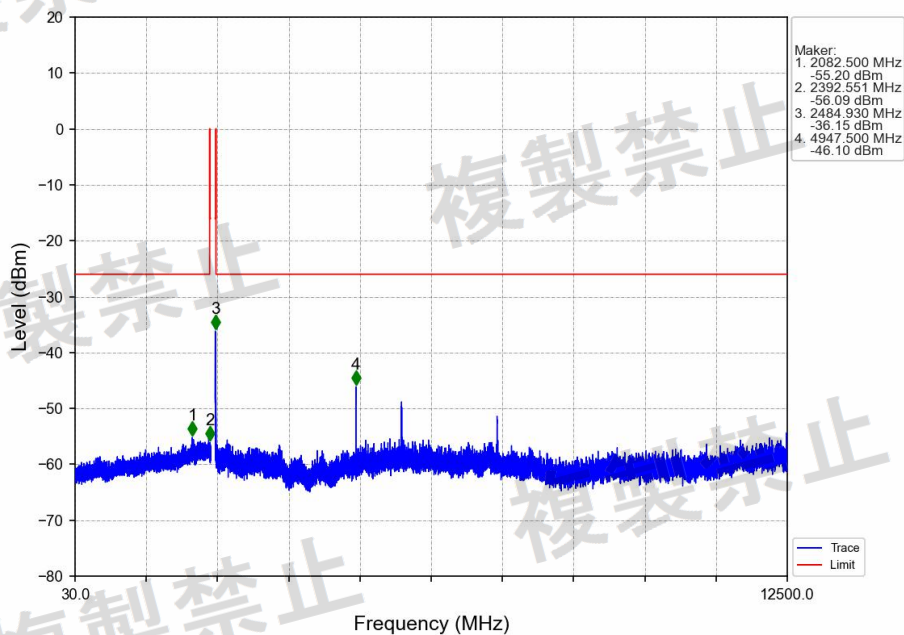


GFSK_2442MHz_Ant1_NTLV

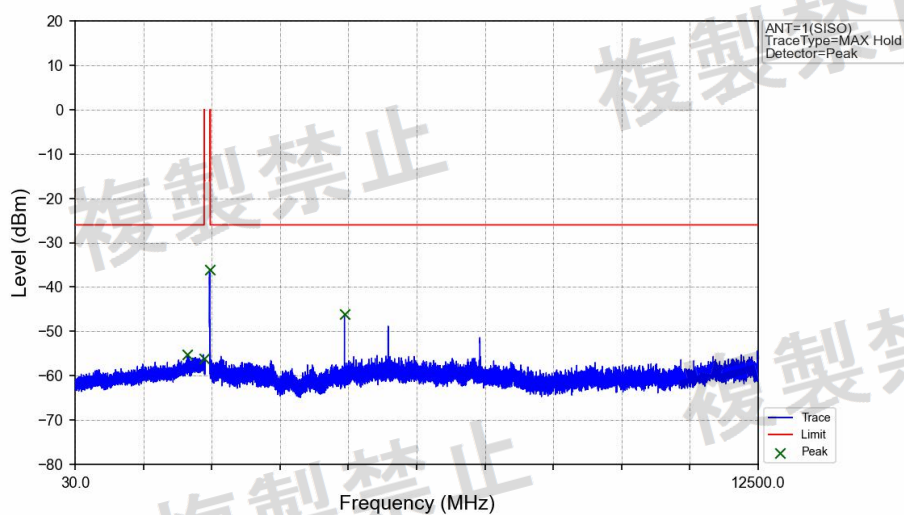


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	2301.000	-54.91	/	-26	Pass
2387	2400	1	1	2396.919	-55.25	/	-16	Pass
2483.5	2496.5	1	1	2490.299	-53.87	/	-16	Pass
2496.5	12500	1	1	4884.000	-44.26	/	-26	Pass

GFSK_2473MHz_Ant1_NTLV

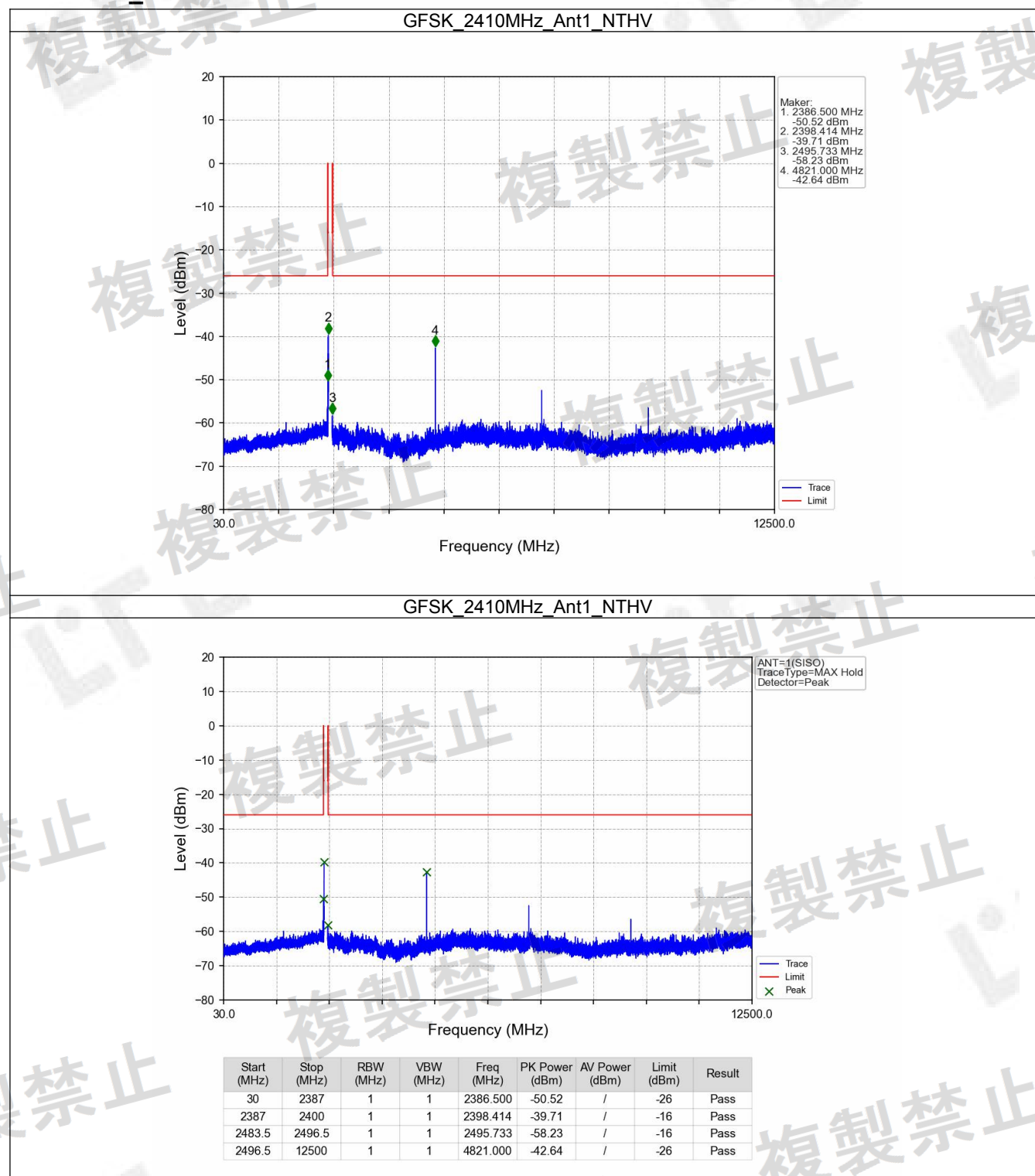


GFSK_2473MHz_Ant1_NTLV

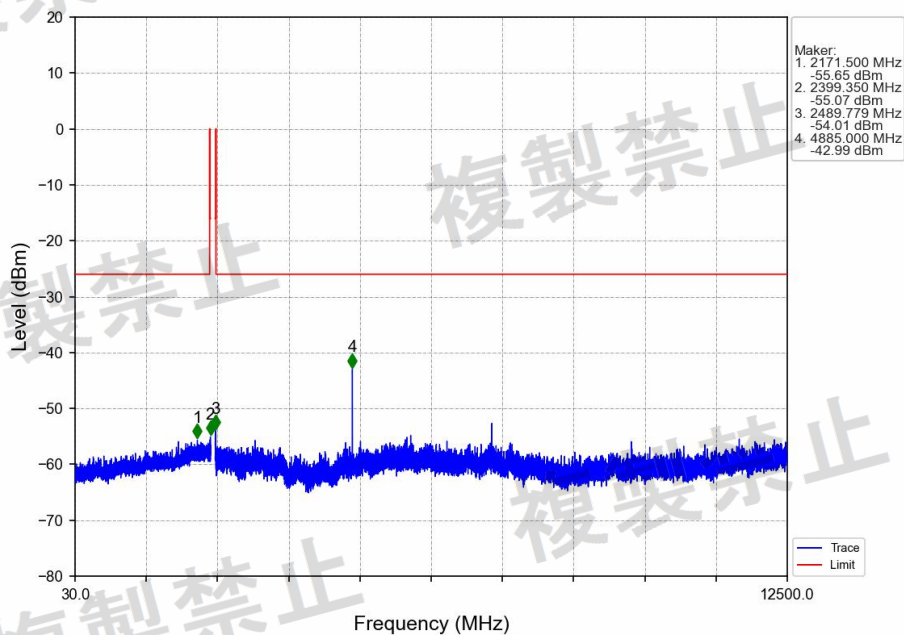


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	2082.500	-55.20	/	-26	Pass
2387	2400	1	1	2392.551	-56.09	/	-16	Pass
2483.5	2496.5	1	1	2484.930	-36.15	/	-16	Pass
2496.5	12500	1	1	4947.500	-46.10	/	-26	Pass

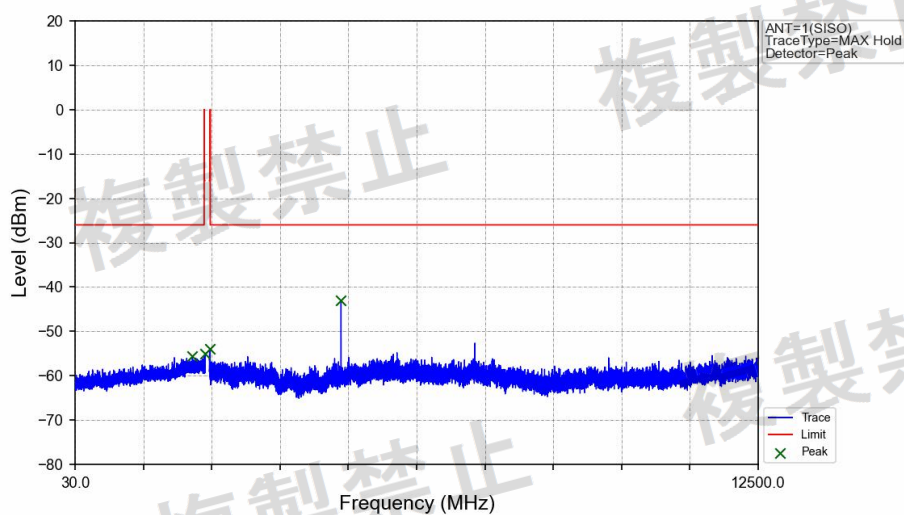
4.2.3 TxSe_NTHV



GFSK_2442MHz_Ant1_NTHV

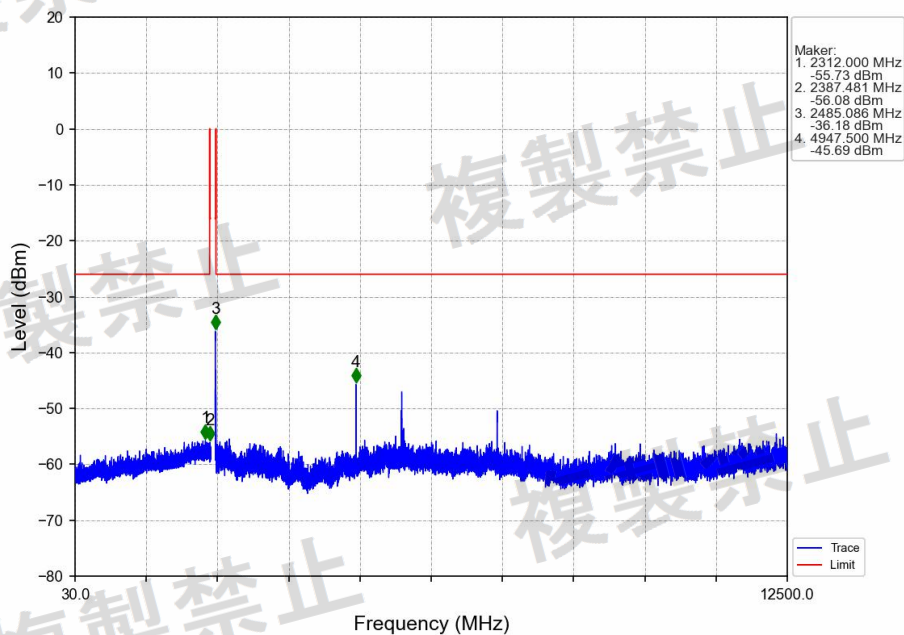


GFSK_2442MHz_Ant1_NTHV

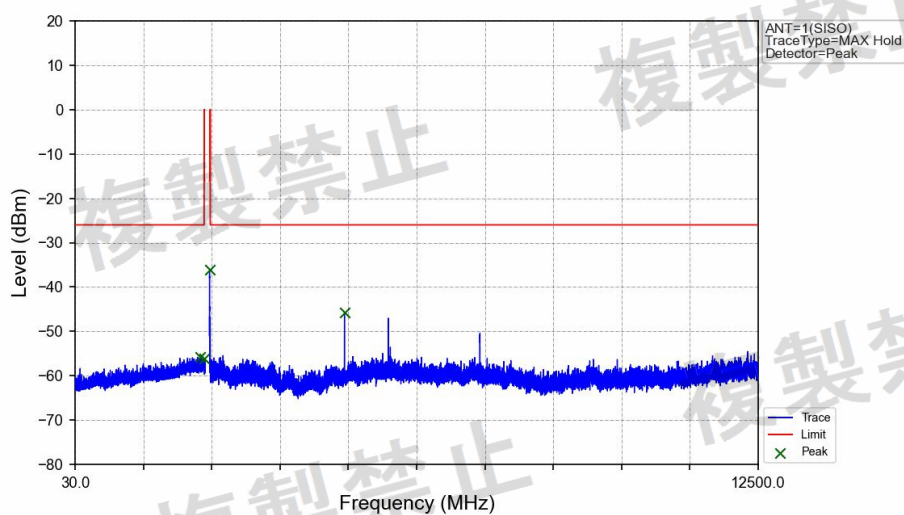


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	2171.500	-55.65	/	-26	Pass
2387	2400	1	1	2399.350	-55.07	/	-16	Pass
2483.5	2496.5	1	1	2489.779	-54.01	/	-16	Pass
2496.5	12500	1	1	4885.000	-42.99	/	-26	Pass

GFSK_2473MHz_Ant1_NTHV



GFSK_2473MHz_Ant1_NTHV



Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	2312.000	-55.73	/	-26	Pass
2387	2400	1	1	2387.481	-56.08	/	-16	Pass
2483.5	2496.5	1	1	2485.086	-36.18	/	-16	Pass
2496.5	12500	1	1	4947.500	-45.69	/	-26	Pass

5. Secondary Radiated Emission

5.1 Test Result

5.1.1 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	2410	1	30	1000	357.5	-77.22	0.019	/	/	4	Pass
				1000	12500	12152.5	-64.51	0.354	/	/	20	Pass
		2442	1	30	1000	933.6	-77.10	0.019	/	/	4	Pass
				1000	12500	12355.5	-64.72	0.337	/	/	20	Pass
		2473	1	30	1000	957.1	-77.73	0.017	/	/	4	Pass
				1000	12500	5644.5	-64.29	0.372	/	/	20	Pass

5.1.2 RxSe_NTLV

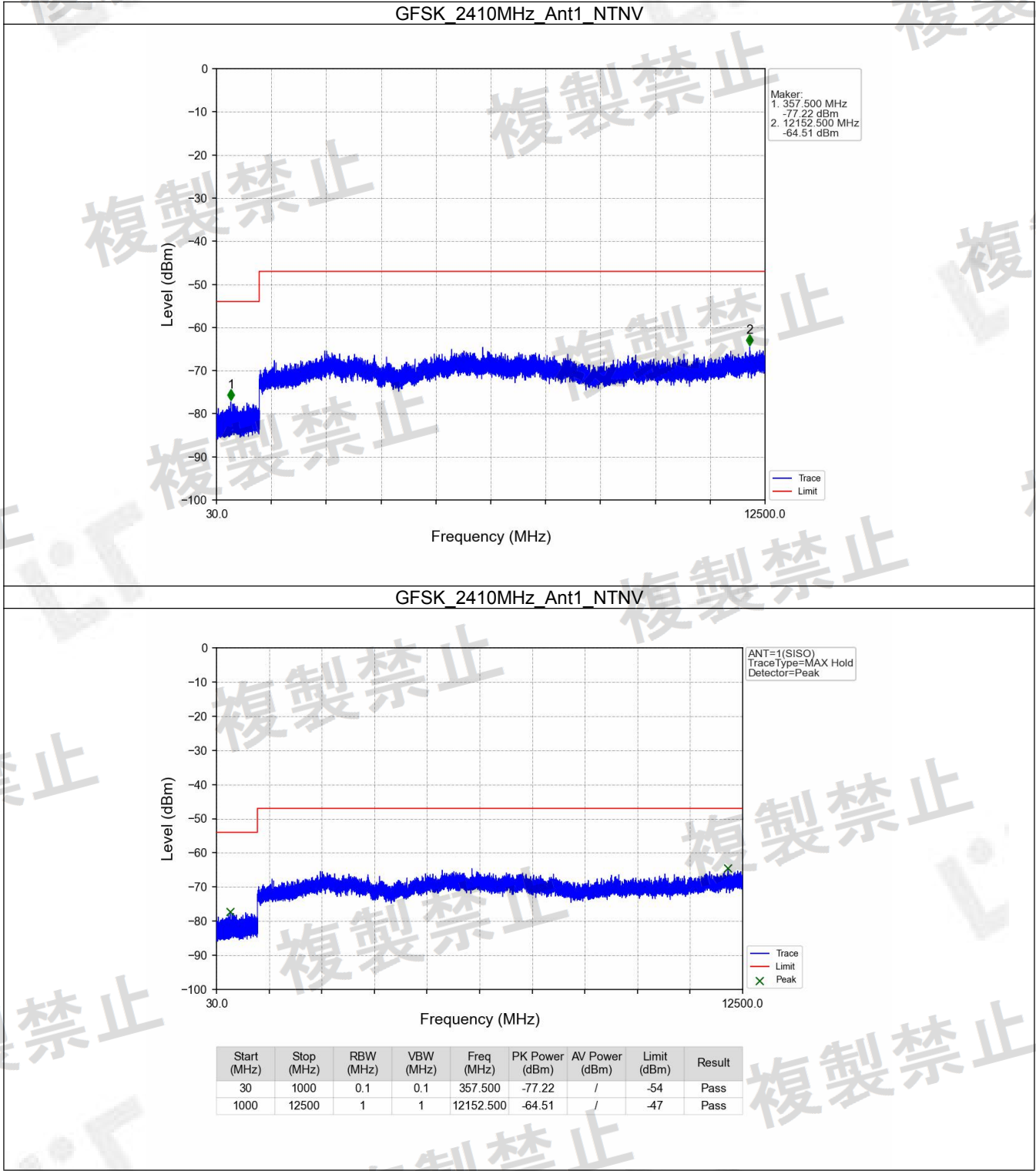
NTLV												
Mode	TX Type	Freq. (MHz)	ANT	Freq. Range		Marker					Limit (nW)	Verdict
				Start (MHz)	Stop (MHz)	Freq. (MHz)	PK Power (dBm)	PK Power (nW)	AV Power (dBm)	AV Power (nW)		
GFSK	SISO	2410	1	30	1000	875.2	-77.83	0.016	/	/	4	Pass
				1000	12500	5547.5	-63.52	0.445	/	/	20	Pass
		2442	1	30	1000	917.05	-77.58	0.017	/	/	4	Pass
				1000	12500	5822	-64.06	0.393	/	/	20	Pass
		2473	1	30	1000	425.45	-77.51	0.018	/	/	4	Pass
				1000	12500	11831.5	-64.89	0.324	/	/	20	Pass

5.1.3 RxSe_NTHV

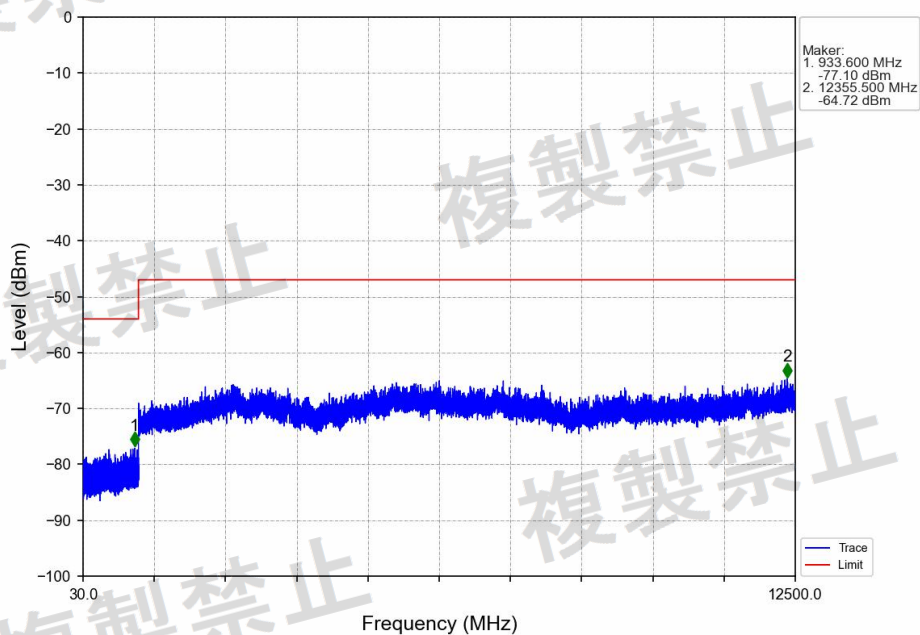
NTHV												
Mode	TX Type	Freq. (MHz)	ANT	Freq. Range		Marker					Limit (nW)	Verdict
				Start (MHz)	Stop (MHz)	Freq. (MHz)	PK Power (dBm)	PK Power (nW)	AV Power (dBm)	AV Power (nW)		
GFSK	SISO	2410	1	30	1000	998.95	-77.70	0.017	/	/	4	Pass
				1000	12500	12042.5	-64.64	0.344	/	/	20	Pass
		2442	1	30	1000	881.2	-77.29	0.019	/	/	4	Pass
				1000	12500	12070	-64.50	0.355	/	/	20	Pass
		2473	1	30	1000	121.5	-77.31	0.019	/	/	4	Pass
				1000	12500	5866	-64.74	0.336	/	/	20	Pass

5.2 Test Graph

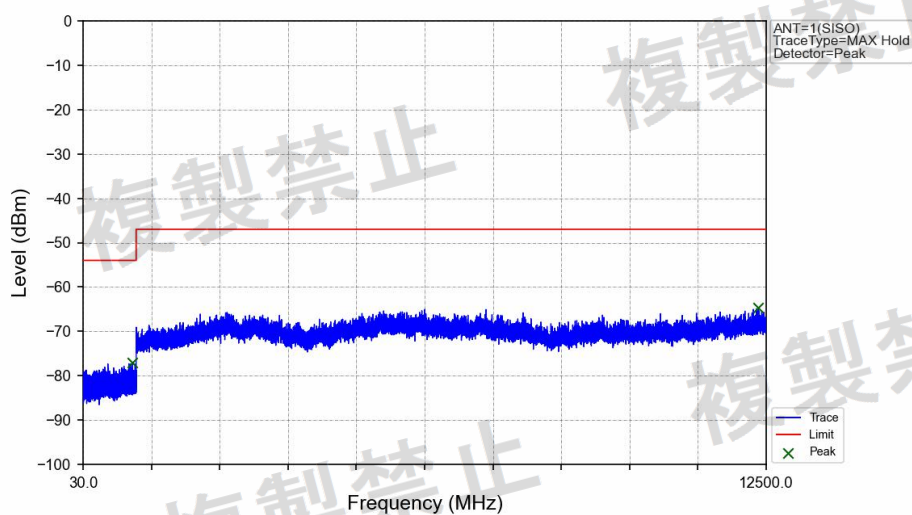
5.2.1 RxSe_NTNV



GFSK_2442MHz_Ant1_NTNV

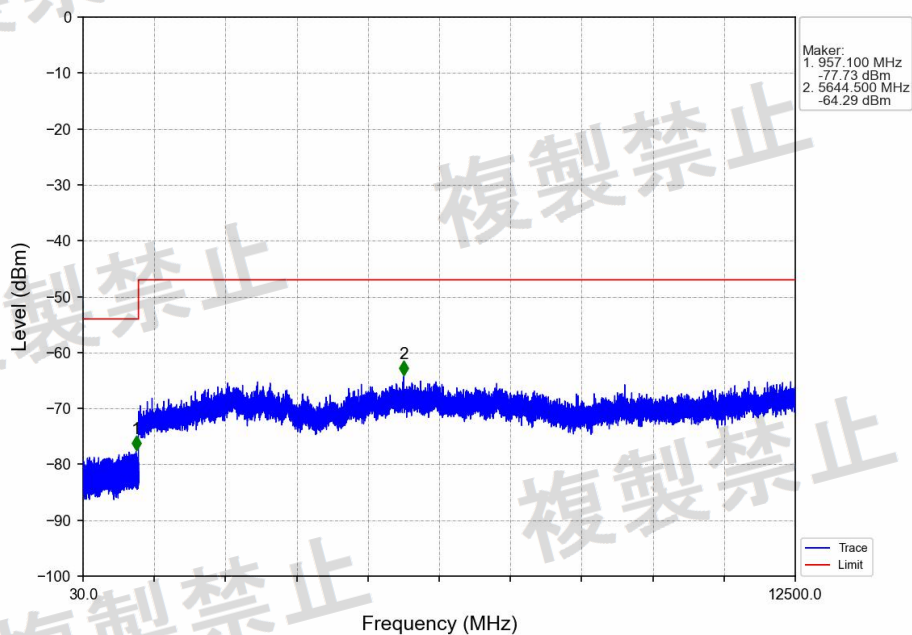


GFSK_2442MHz_Ant1_NTNV

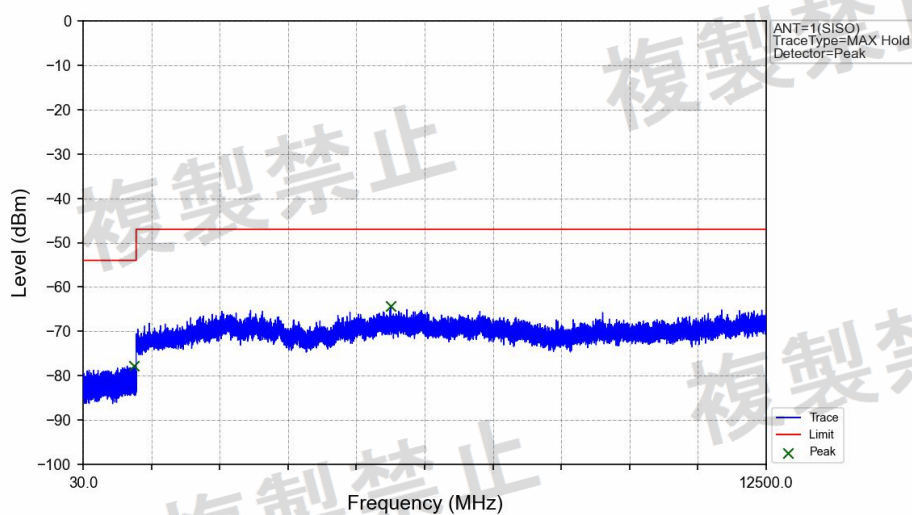


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	933.600	-77.10	/	-54	Pass
1000	12500	1	1	12355.500	-64.72	/	-47	Pass

GFSK_2473MHz_Ant1_NTNV

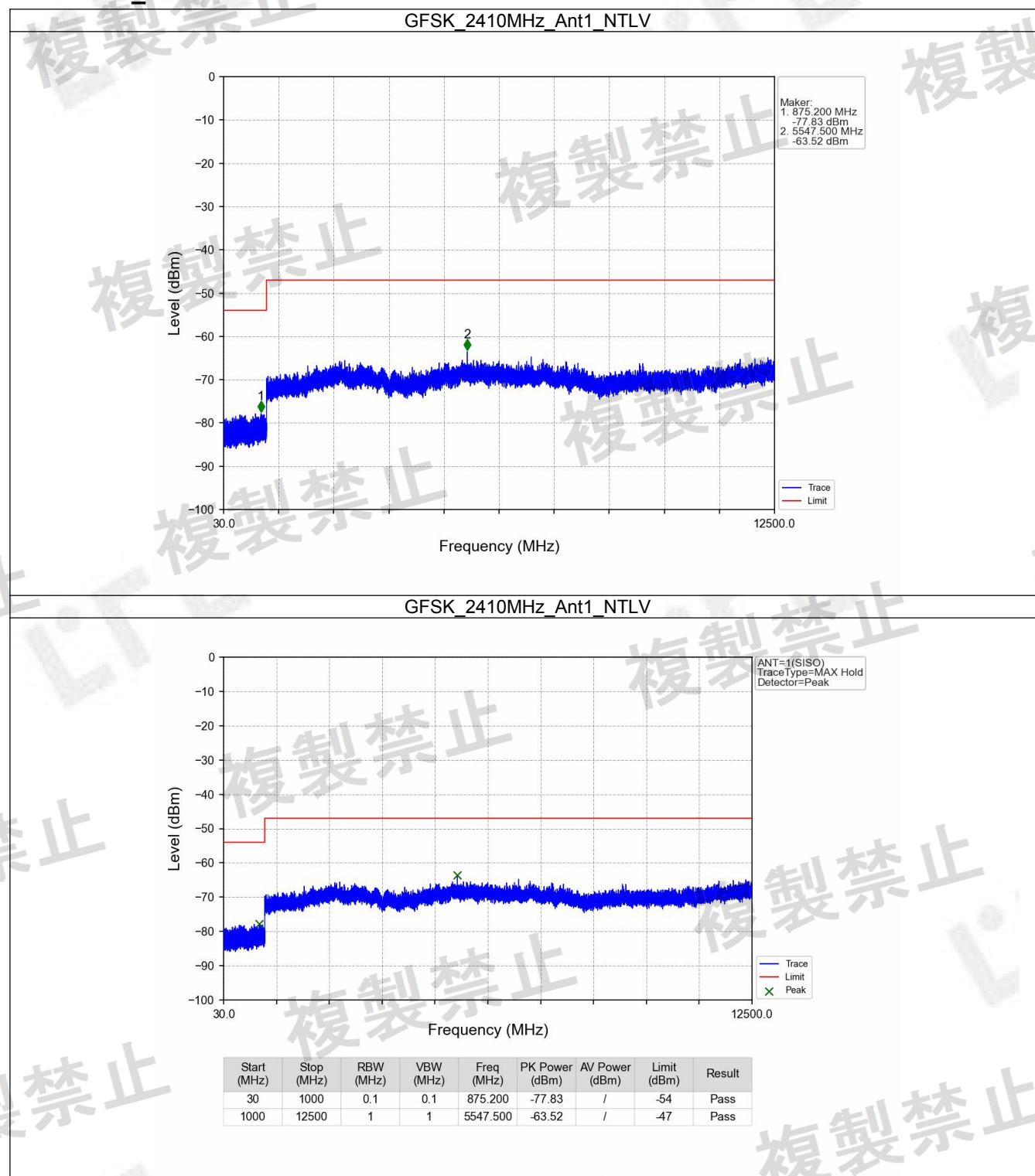


GFSK_2473MHz_Ant1_NTNV

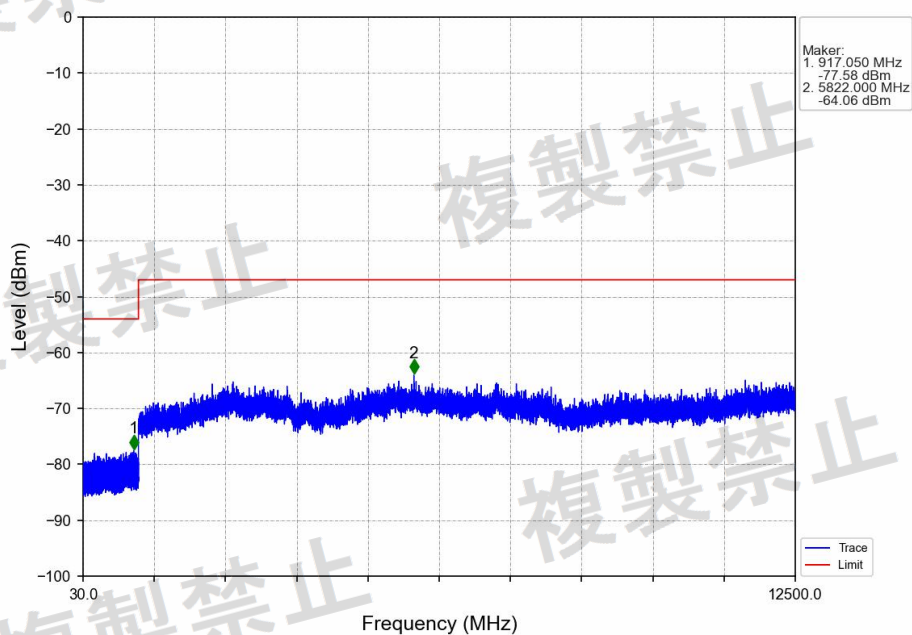


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	957.100	-77.73	/	-54	Pass
1000	12500	1	1	5644.500	-64.29	/	-47	Pass

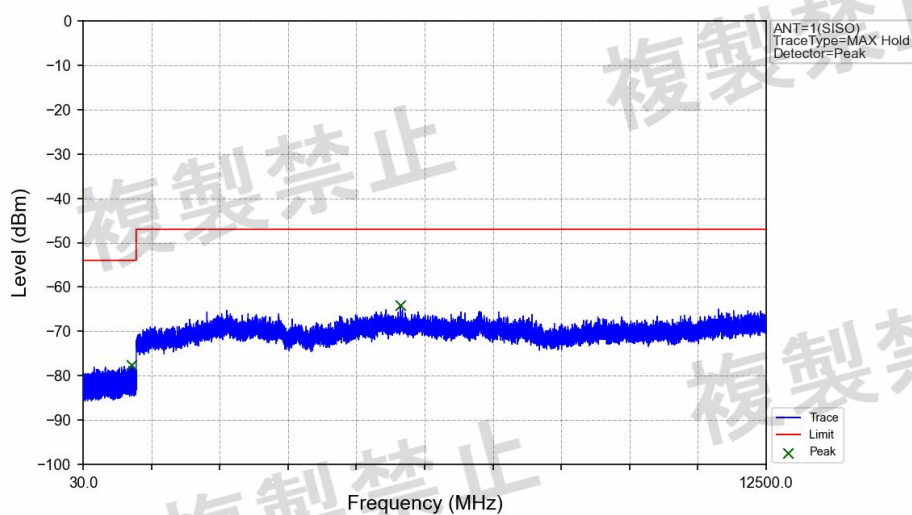
5.2.2 RxSe_NTLV



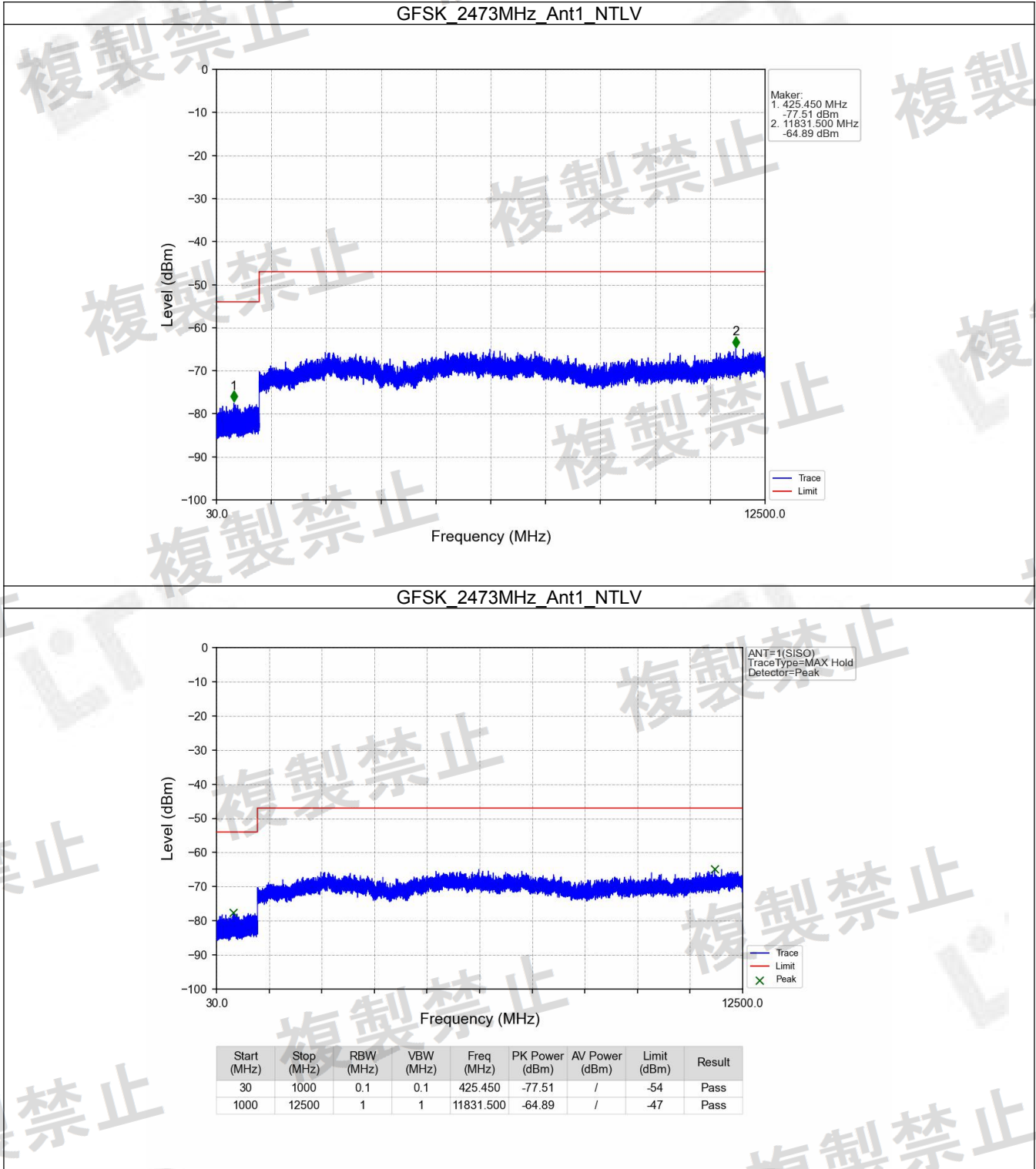
GFSK_2442MHz_Ant1_NTLV



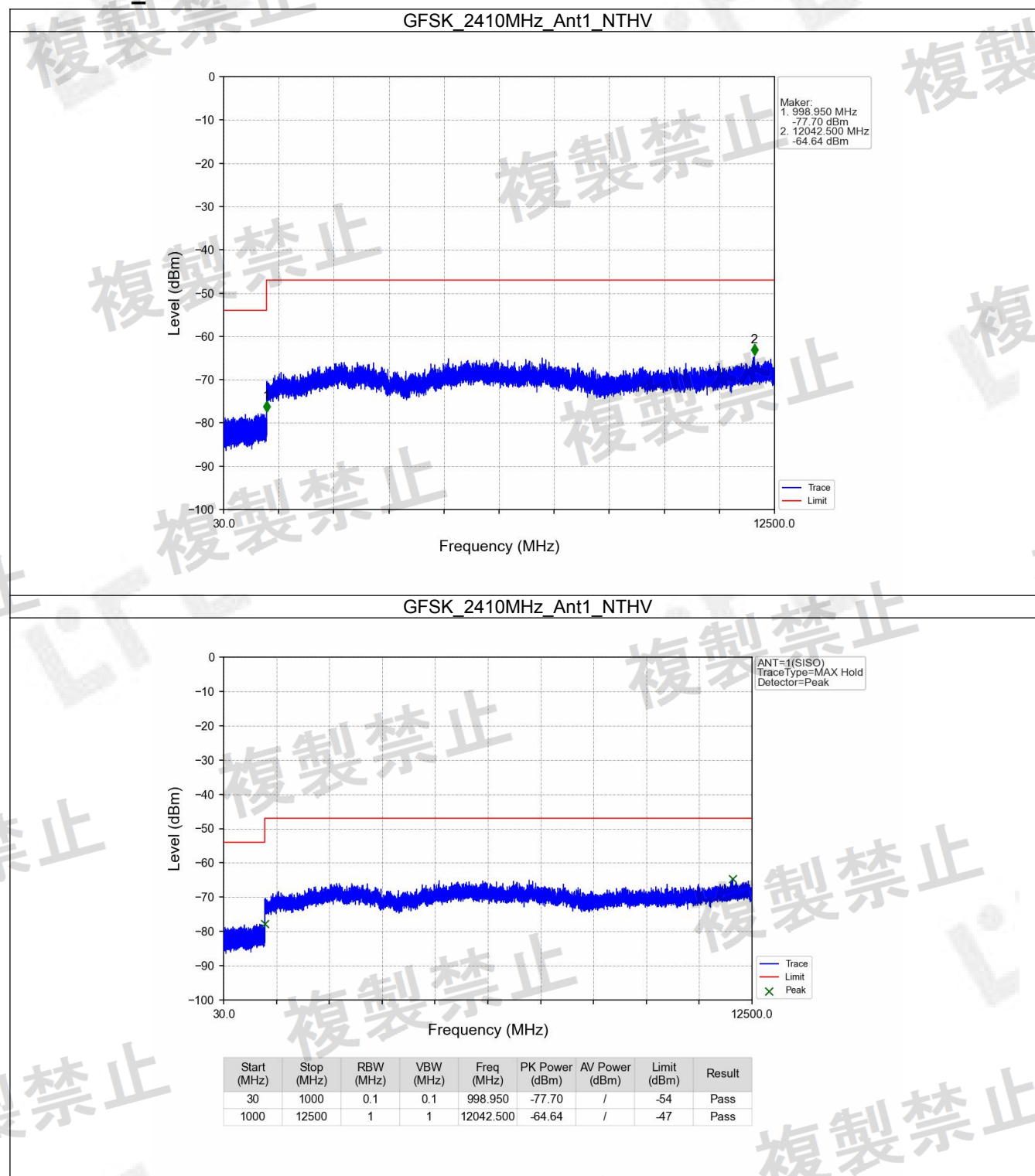
GFSK_2442MHz_Ant1_NTLV



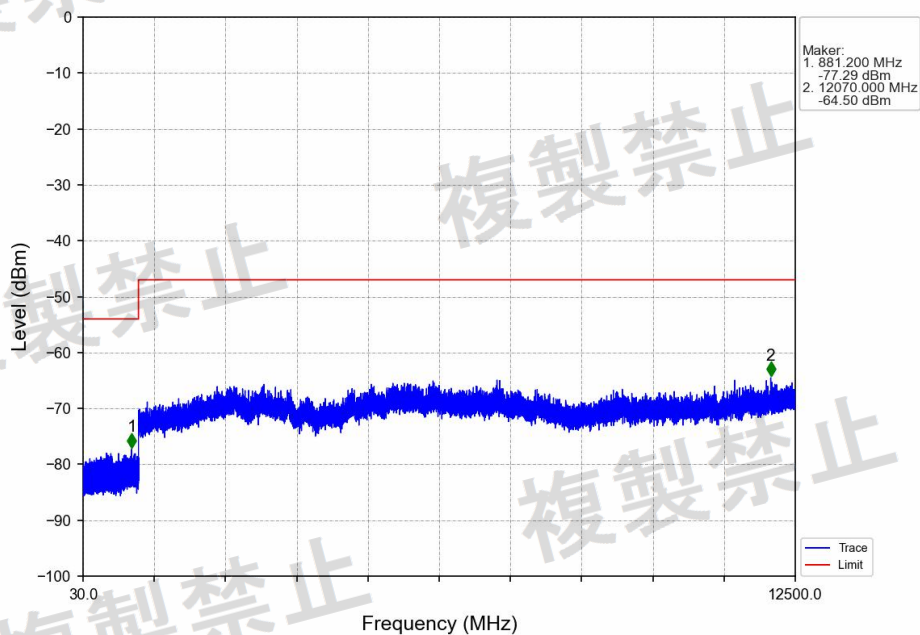
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	917.050	-77.58	/	-54	Pass
1000	12500	1	1	5822.000	-64.06	/	-47	Pass



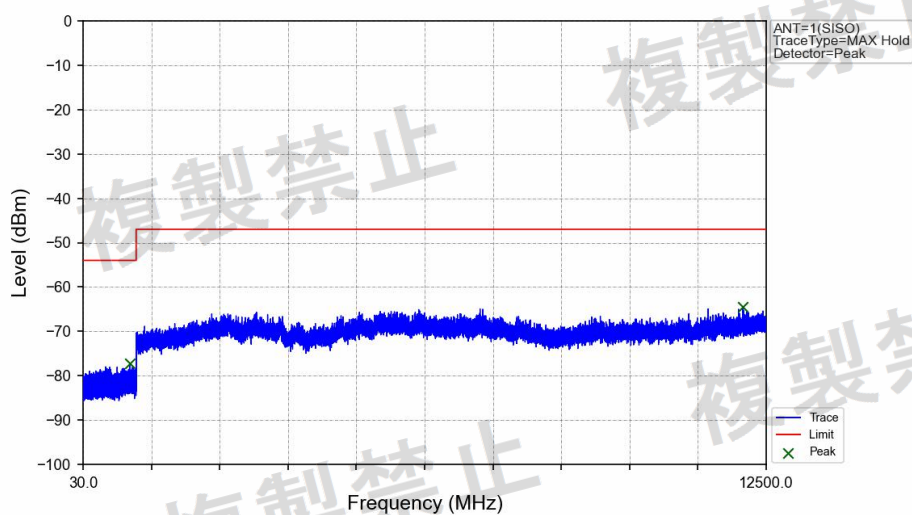
5.2.3 RxSe_NTHV



GFSK_2442MHz_Ant1_NTHV

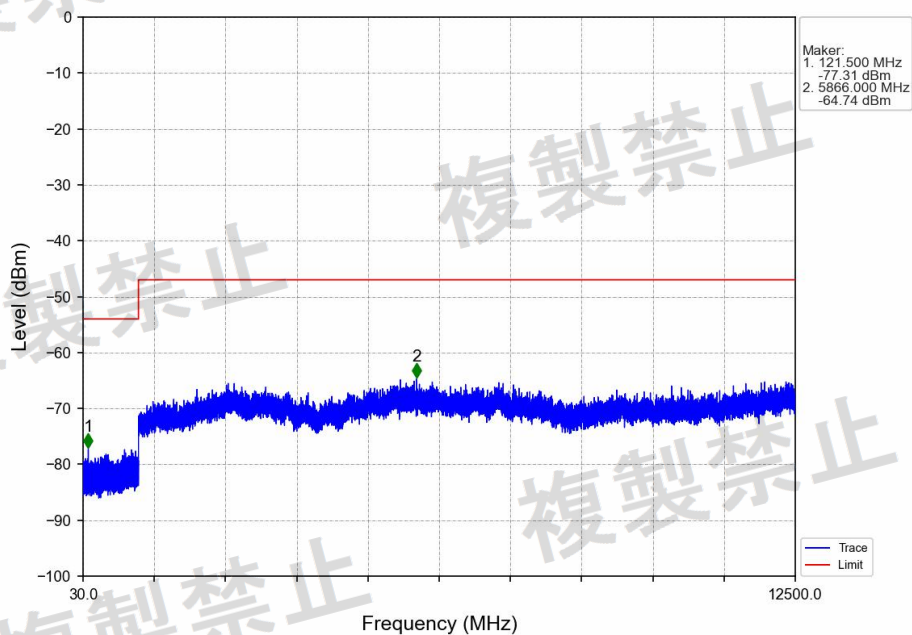


GFSK_2442MHz_Ant1_NTHV

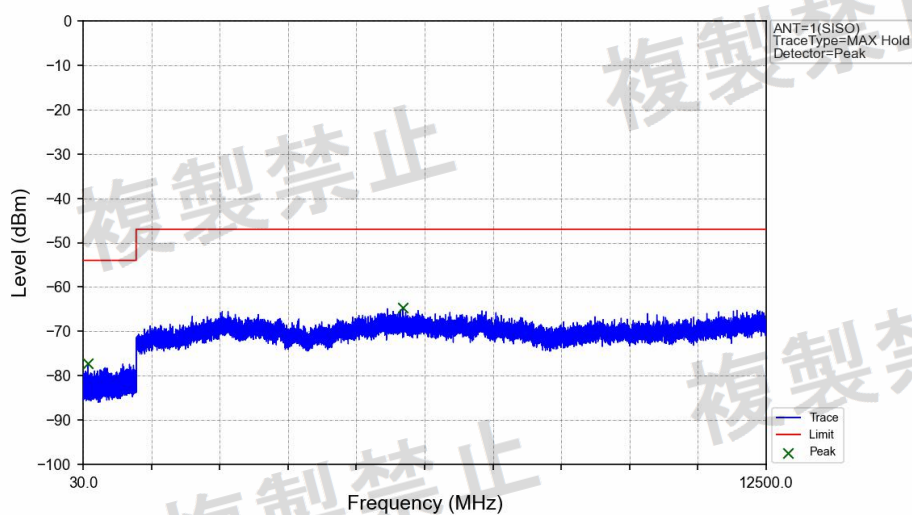


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	881.200	-77.29	/	-54	Pass
1000	12500	1	1	12070.000	-64.50	/	-47	Pass

GFSK_2473MHz_Ant1_NTHV



GFSK_2473MHz_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	121.500	-77.31	/	-54	Pass
1000	12500	1	1	5866.000	-64.74	/	-47	Pass