

1. Frequency Error

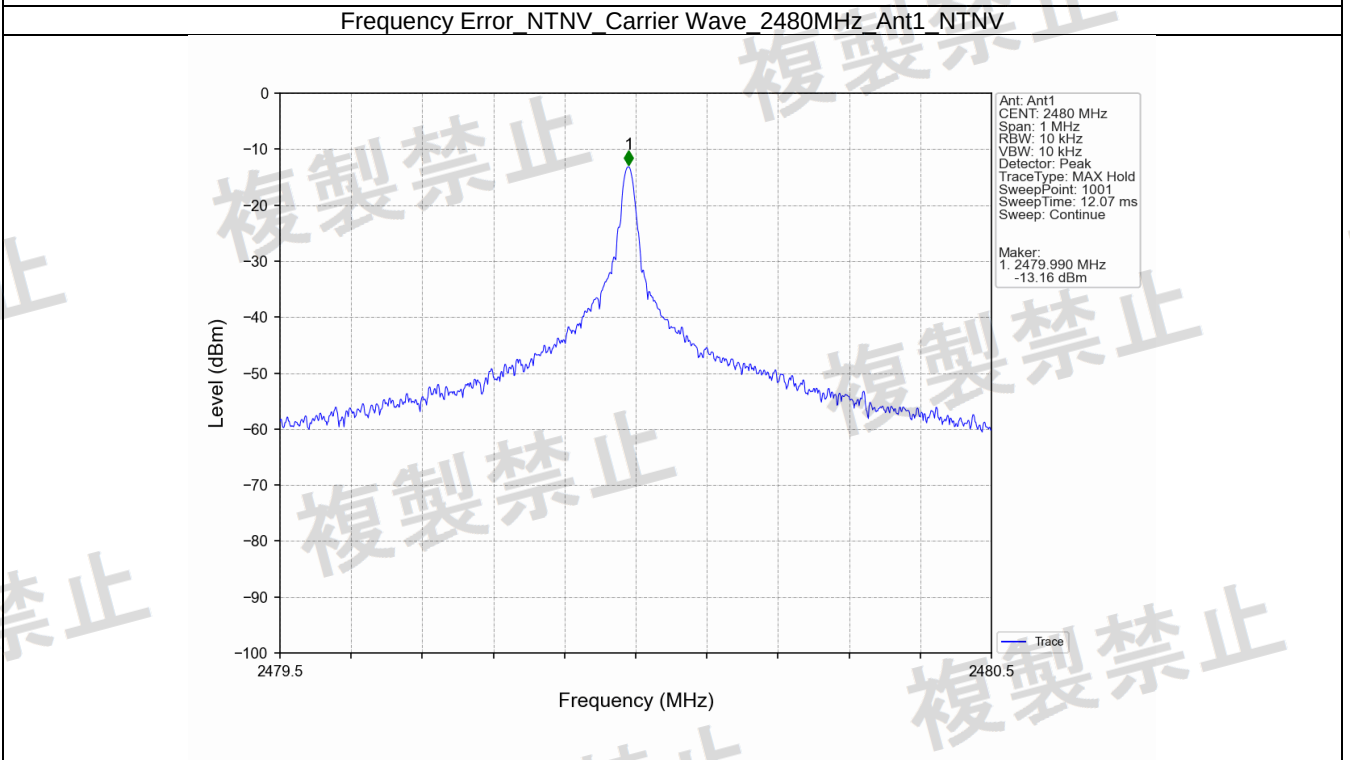
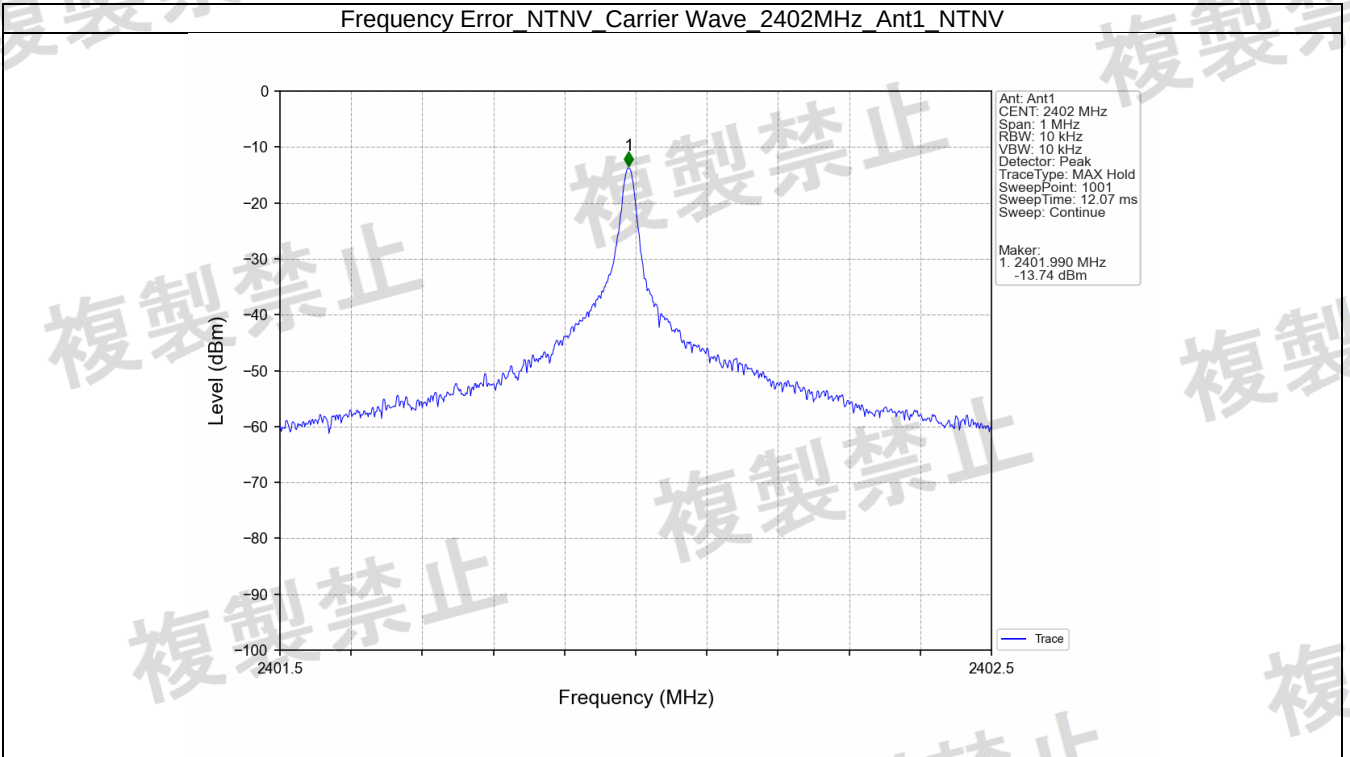
1.1 Test Result

1.1.1 Ant1

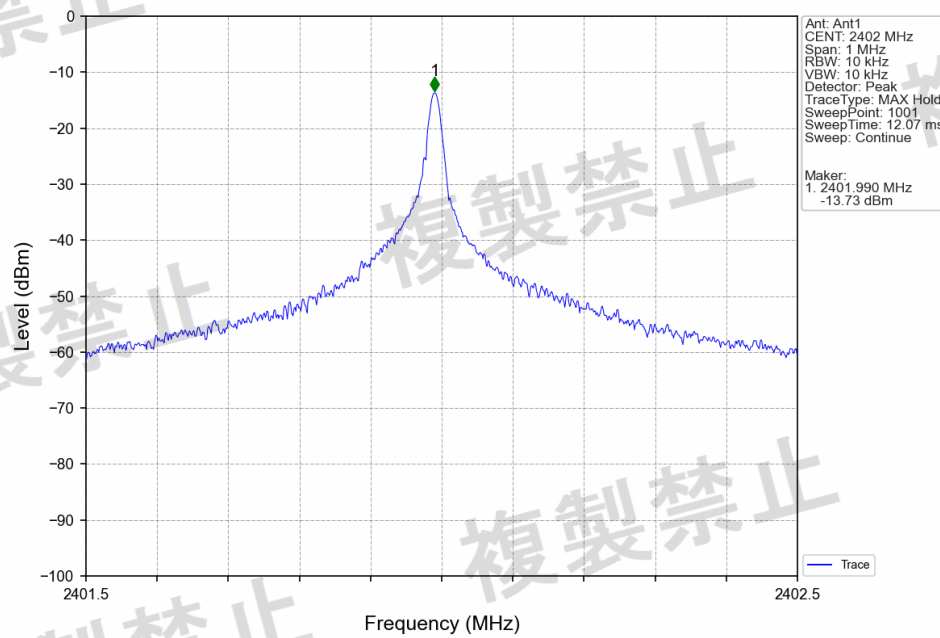
Ant1								
ENV	Mode	TX Type	Frequency (MHz)	Packet Type	Measured Frequency (MHz)	Tolerance (ppm)		Verdict
						Result	Limit	
NTNV	Carrier Wave	SISO	2402	DH5	2401.990	-4.16	-50 to 50	Pass
			2480	DH5	2479.990	-4.03	-50 to 50	Pass
NTLV	Carrier Wave	SISO	2402	DH5	2401.990	-4.16	-50 to 50	Pass
			2480	DH5	2479.990	-4.03	-50 to 50	Pass
NTHV	Carrier Wave	SISO	2402	DH5	2401.990	-4.16	-50 to 50	Pass
			2480	DH5	2479.990	-4.03	-50 to 50	Pass

1.2 Test Graph

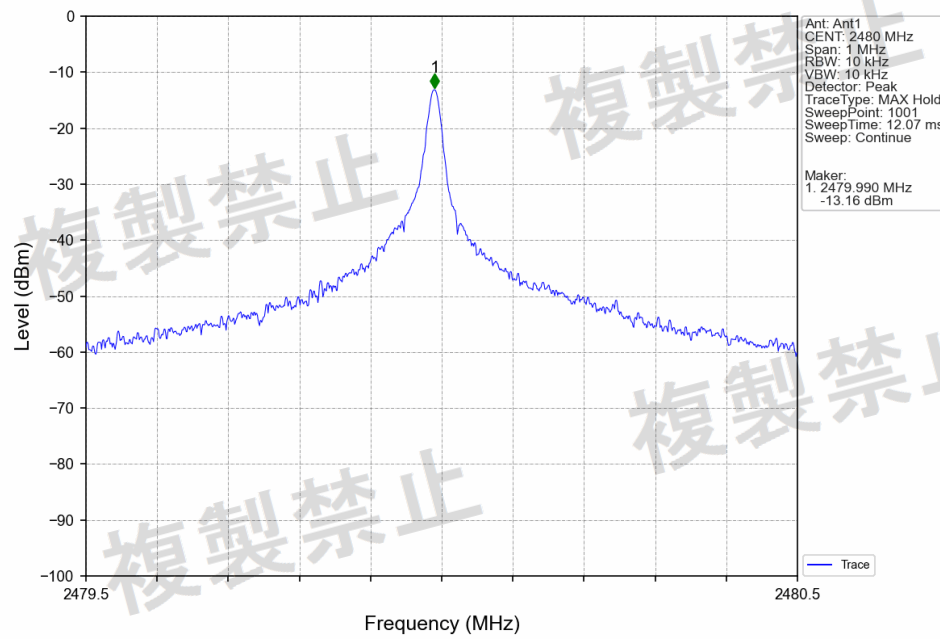
1.2.1 Ant1



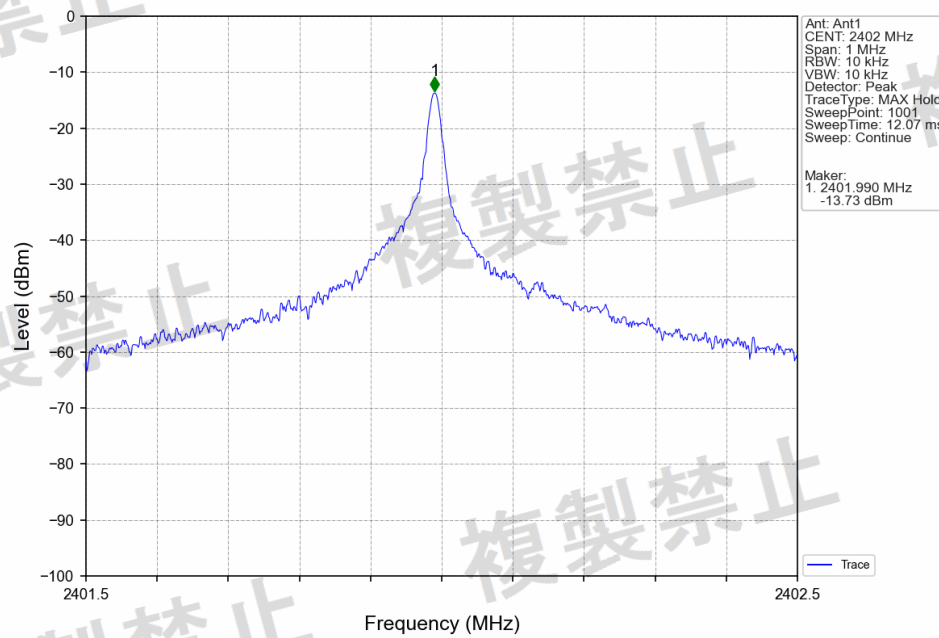
Frequency Error_NTLV_Carrier Wave_2402MHz_Ant1_NTLV



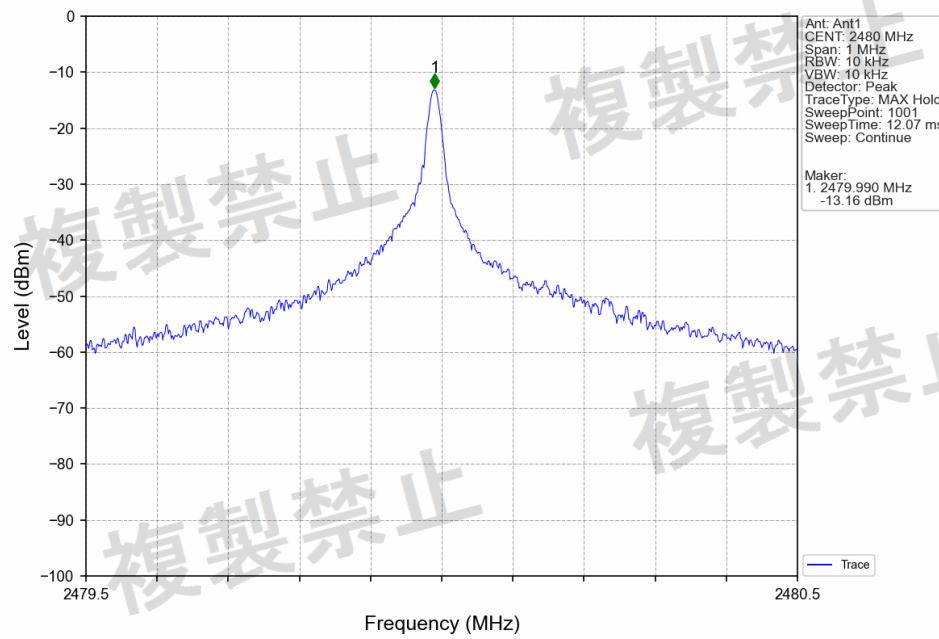
Frequency Error_NTLV_Carrier Wave_2480MHz_Ant1_NTLV



Frequency Error_NTHV_Carrier Wave_2402MHz_Ant1_NTHV



Frequency Error_NTHV_Carrier Wave_2480MHz_Ant1_NTHV



2. Occupied Bandwidth

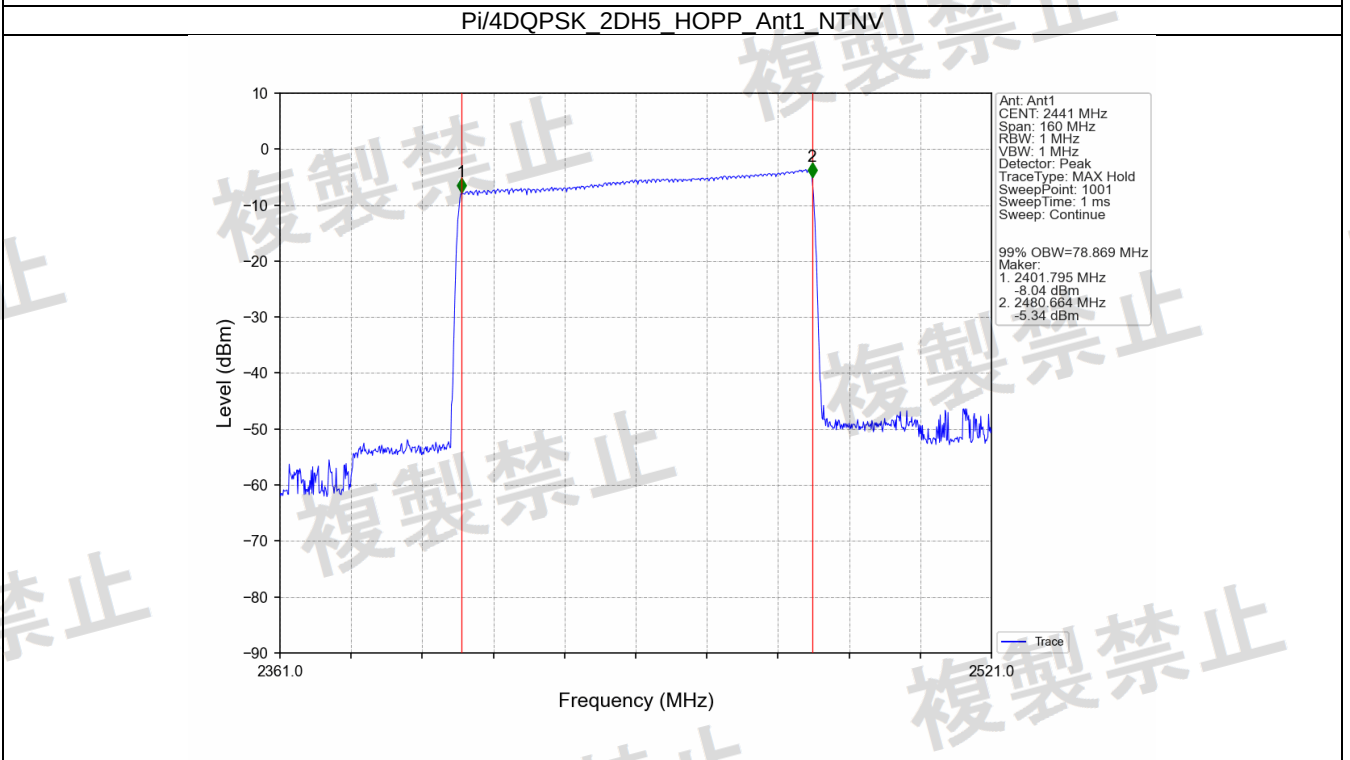
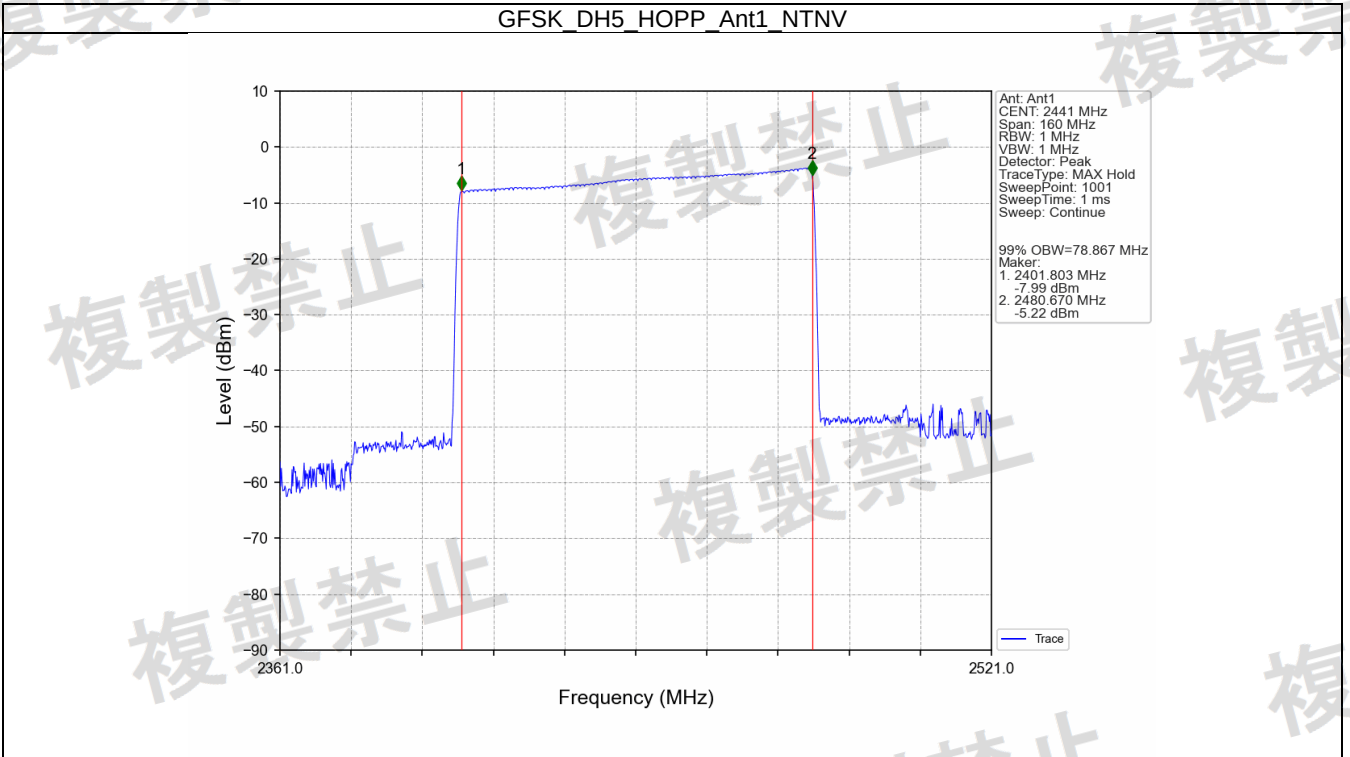
2.1 Test Result

2.1.1 OBW

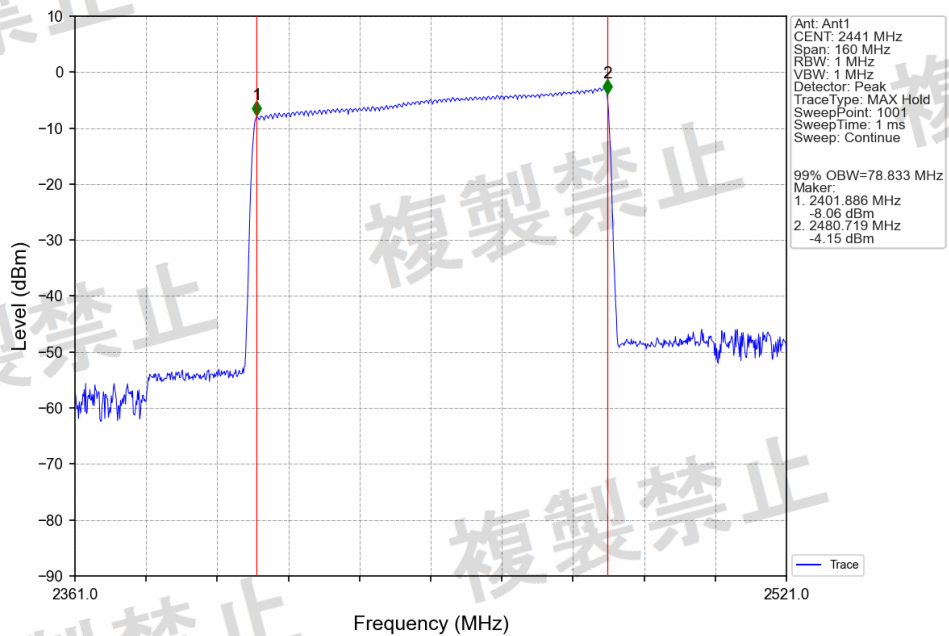
ENV	Mode	TX Type	Frequency (MHz)	Packet Type	99% Occupied Bandwidth (MHz)		Verdict
					ANT1	Limit	
NTNV	GFSK	SISO	HOPP	DH5	78.867	≤ 83.5	Pass
	Pi/4DQPSK	SISO	HOPP	2DH5	78.869	≤ 83.5	Pass
	8DPSK	SISO	HOPP	3DH5	78.833	≤ 83.5	Pass
NTLV	GFSK	SISO	HOPP	DH5	78.885	≤ 83.5	Pass
	Pi/4DQPSK	SISO	HOPP	2DH5	78.891	≤ 83.5	Pass
	8DPSK	SISO	HOPP	3DH5	78.843	≤ 83.5	Pass
NTHV	GFSK	SISO	HOPP	DH5	78.886	≤ 83.5	Pass
	Pi/4DQPSK	SISO	HOPP	2DH5	78.884	≤ 83.5	Pass
	8DPSK	SISO	HOPP	3DH5	78.812	≤ 83.5	Pass

2.2 Test Graph

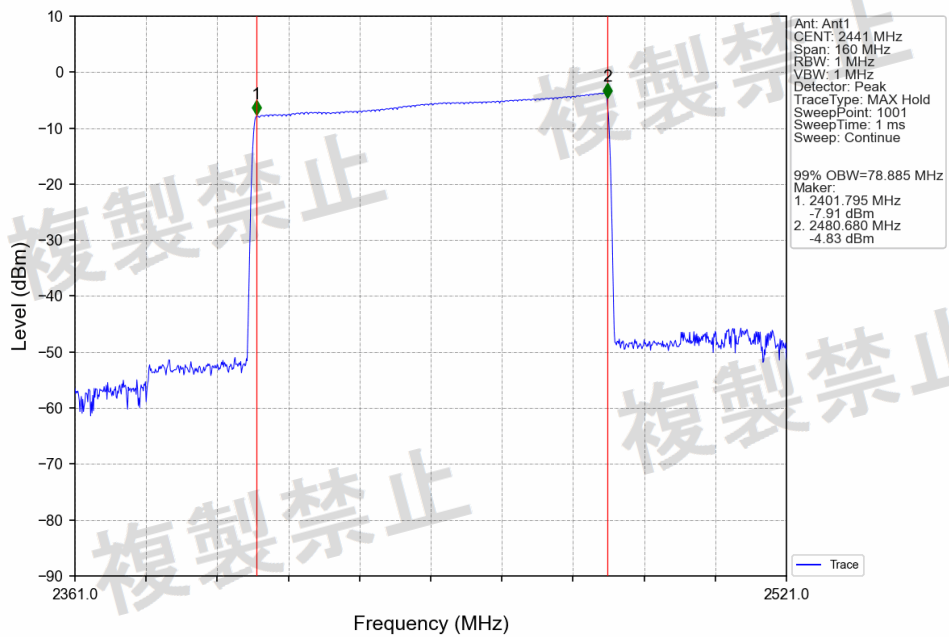
2.2.1 OBW

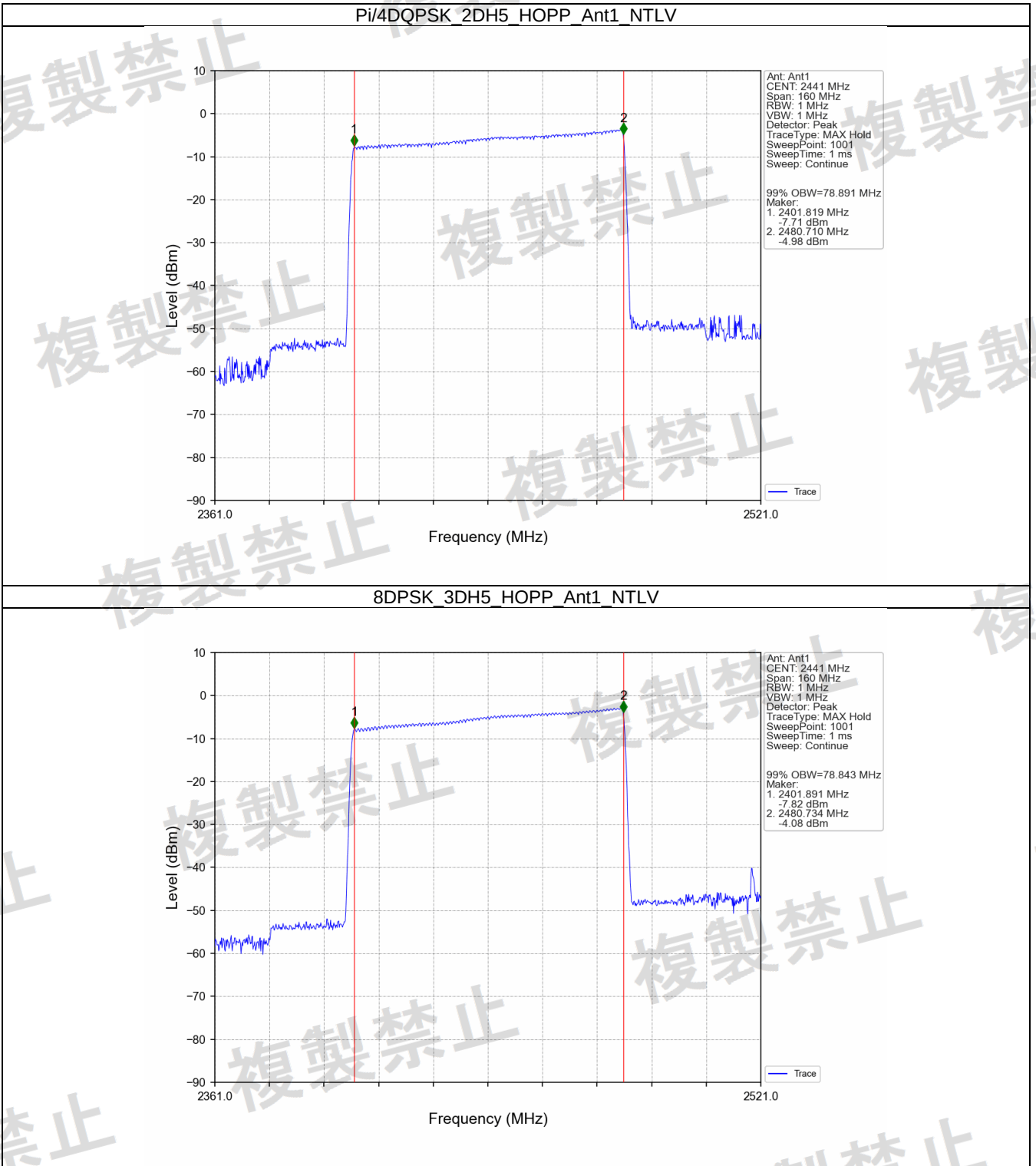


8DPSK_3DH5_HOPP_Ant1_NTNV

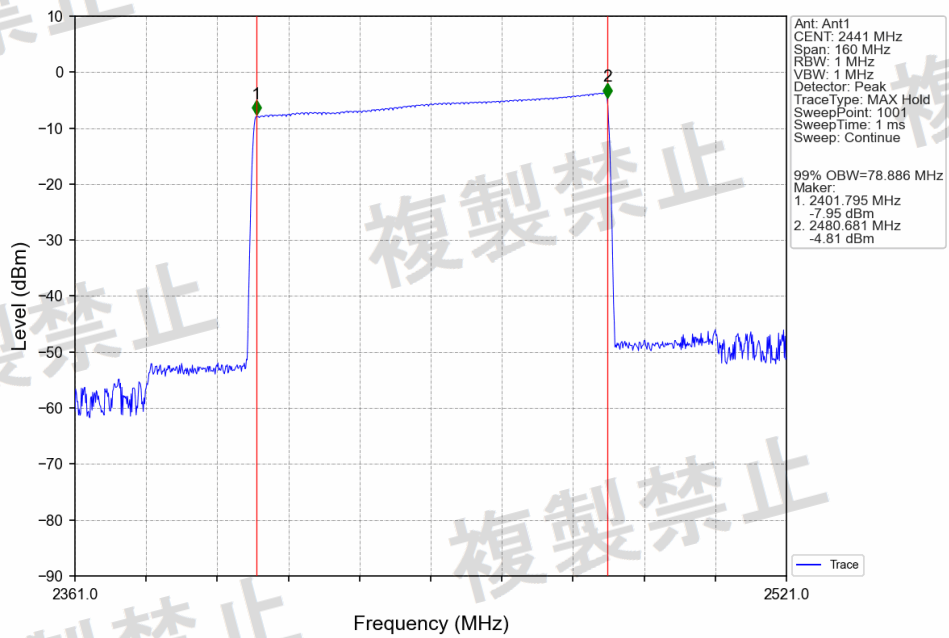


GFSK_DH5_HOPP_Ant1_NTLV

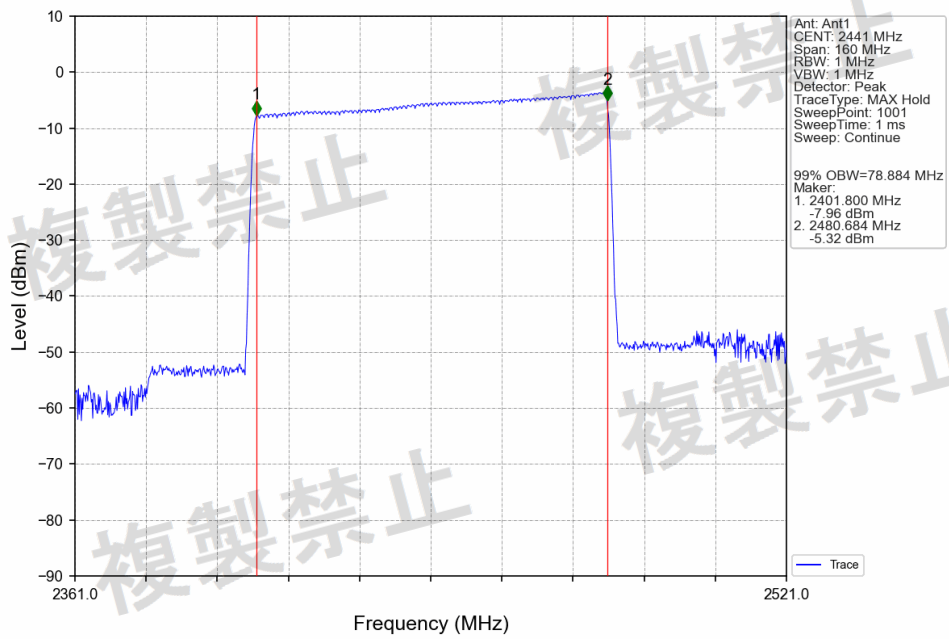


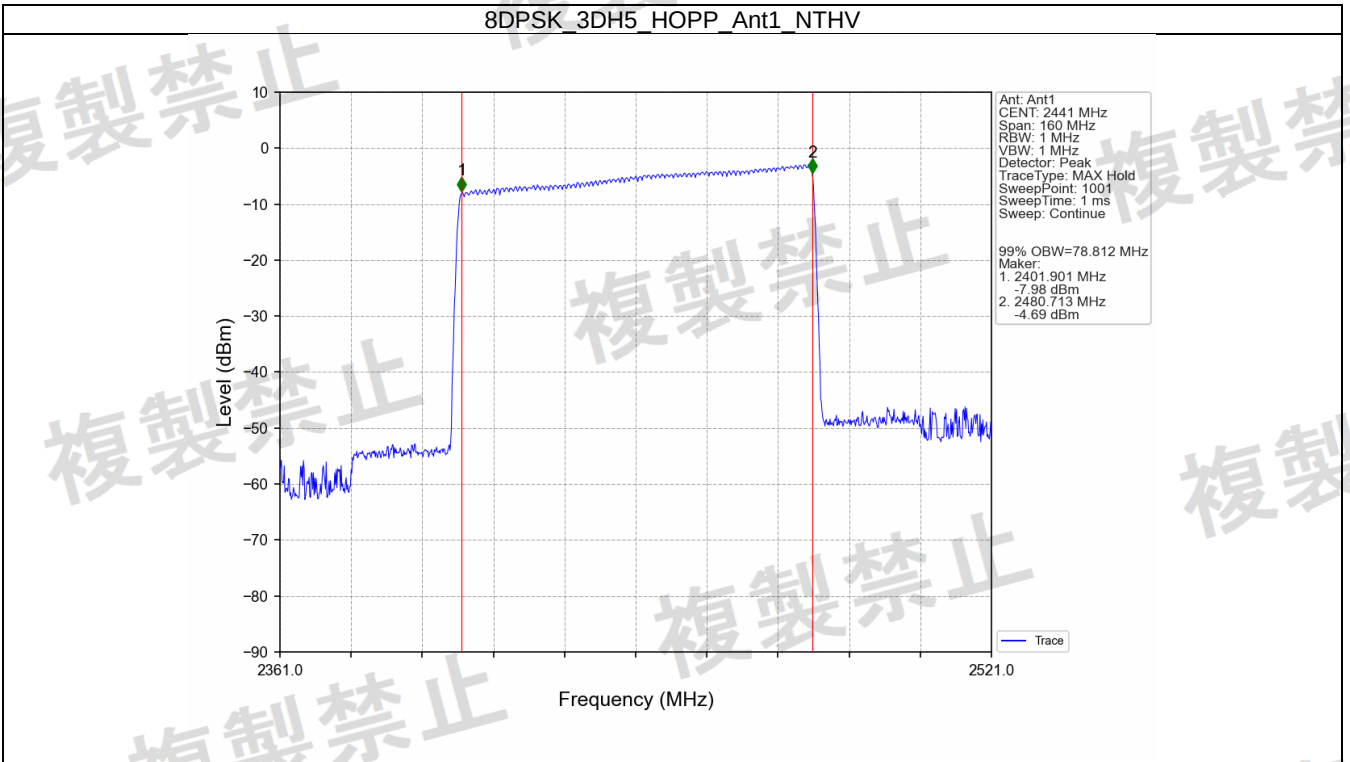


GFSK_DH5_HOPP_Ant1_NTHV



Pi/4DQPSK_2DH5_HOPP_Ant1_NTHV





3. Spread Bandwidth

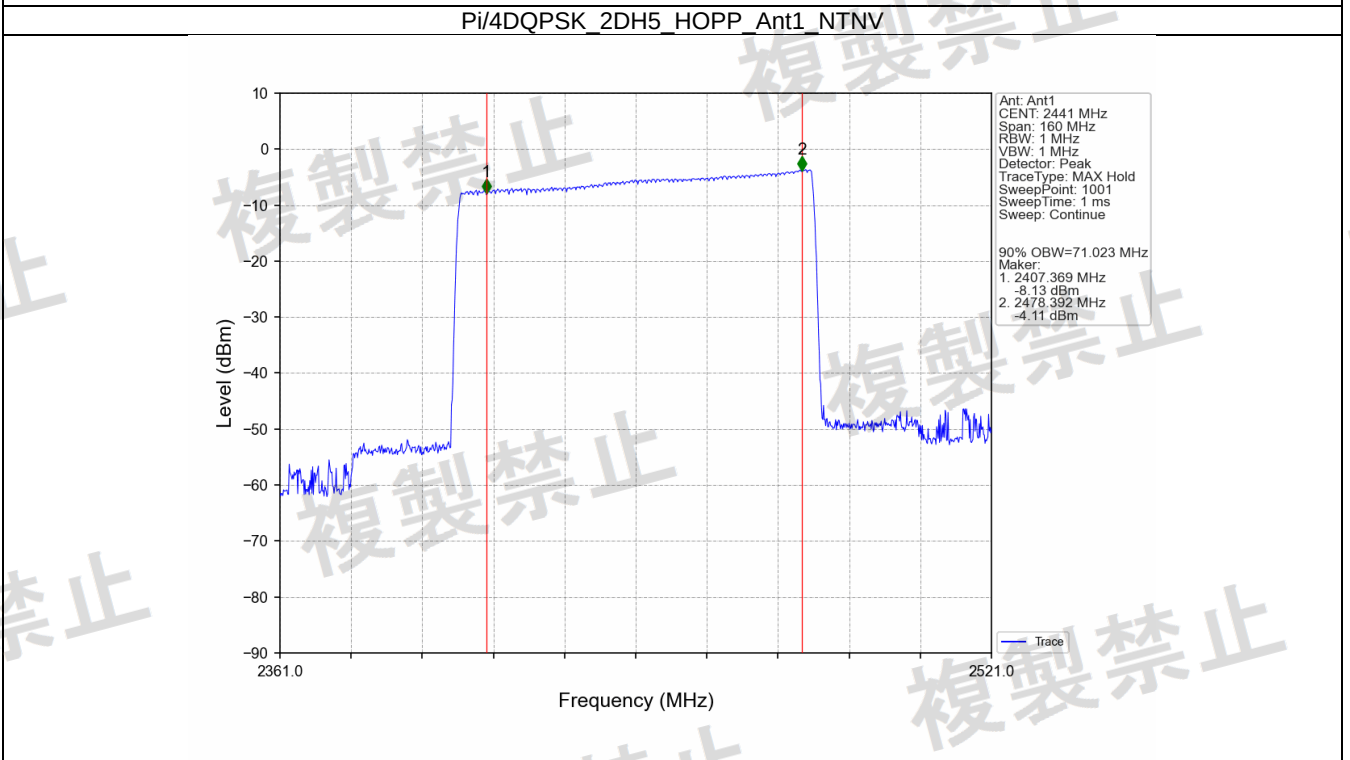
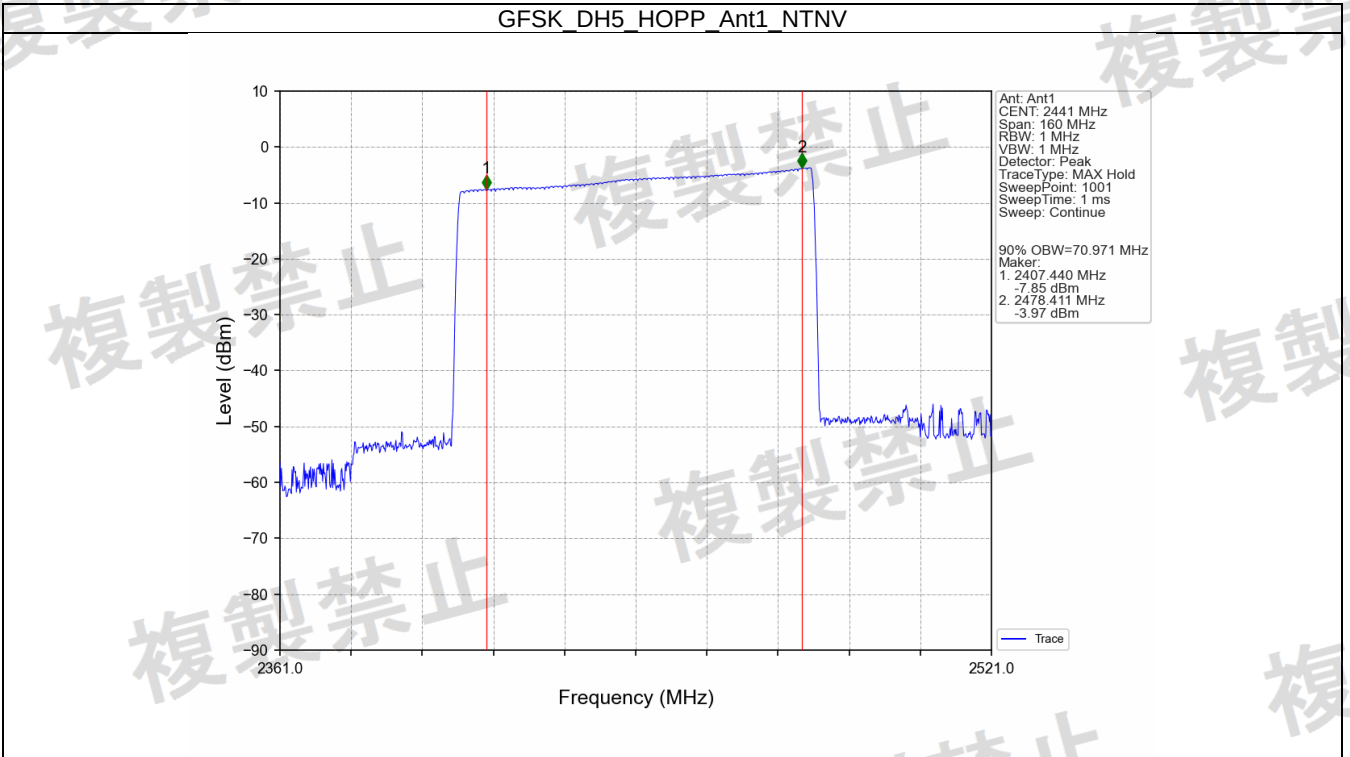
3.1 Test Result

3.1.1 SPBW

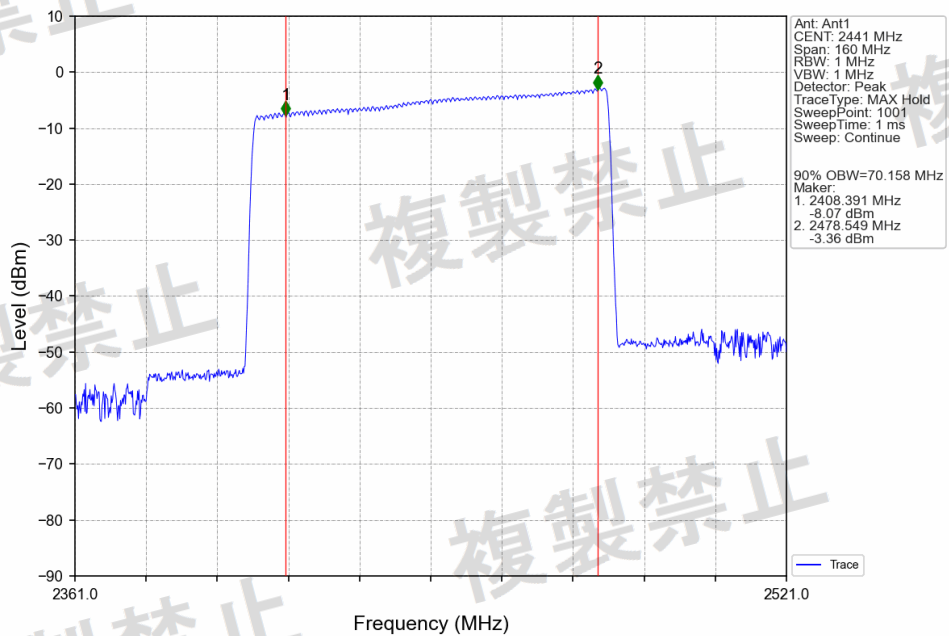
ENV	Mode	TX Type	Frequency (MHz)	Packet Type	Spread Bandwidth (MHz)		Verdict
					ANT1	Limit	
NTNV	GFSK	SISO	HOPP	DH5	70.971	/	Only For Report
	Pi/4DQPSK	SISO	HOPP	2DH5	71.023	/	Only For Report
	8DPSK	SISO	HOPP	3DH5	70.158	/	Only For Report
NTLV	GFSK	SISO	HOPP	DH5	70.991	/	Only For Report
	Pi/4DQPSK	SISO	HOPP	2DH5	70.992	/	Only For Report
	8DPSK	SISO	HOPP	3DH5	70.092	/	Only For Report
NTHV	GFSK	SISO	HOPP	DH5	70.951	/	Only For Report
	Pi/4DQPSK	SISO	HOPP	2DH5	70.973	/	Only For Report
	8DPSK	SISO	HOPP	3DH5	70.109	/	Only For Report

3.2 Test Graph

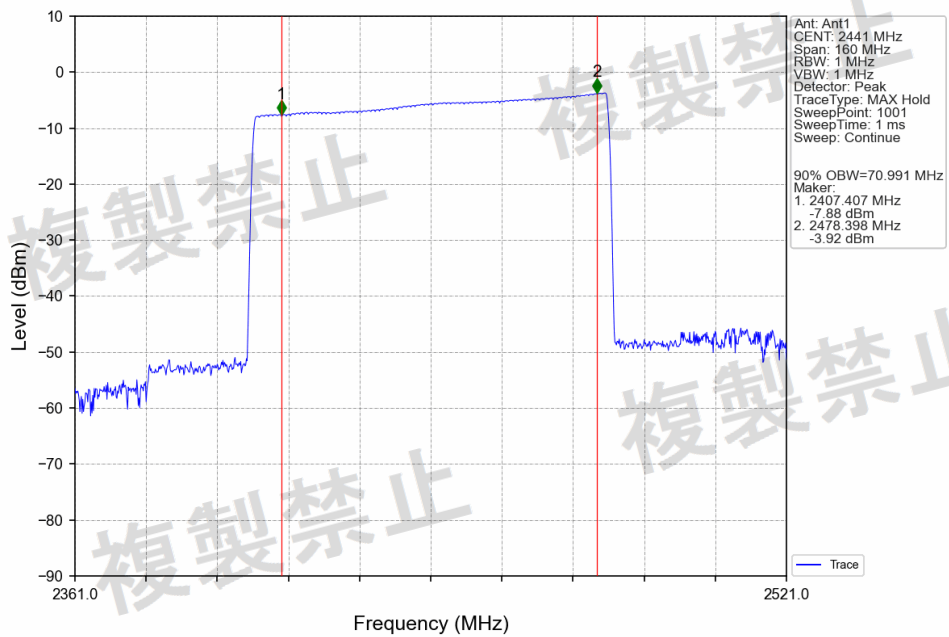
3.2.1 SPBW

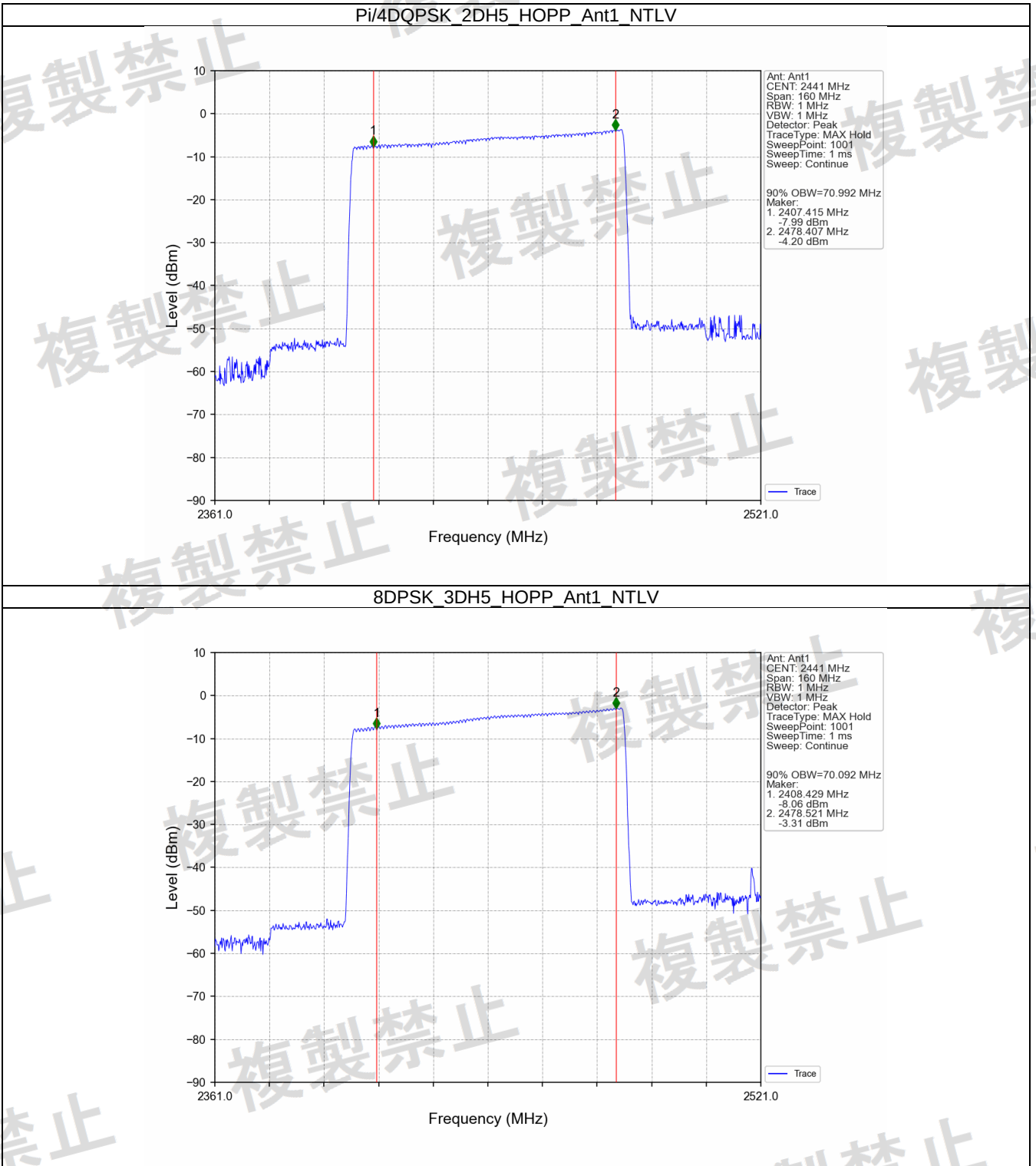


8DPSK_3DH5_HOPP_Ant1_NTNV

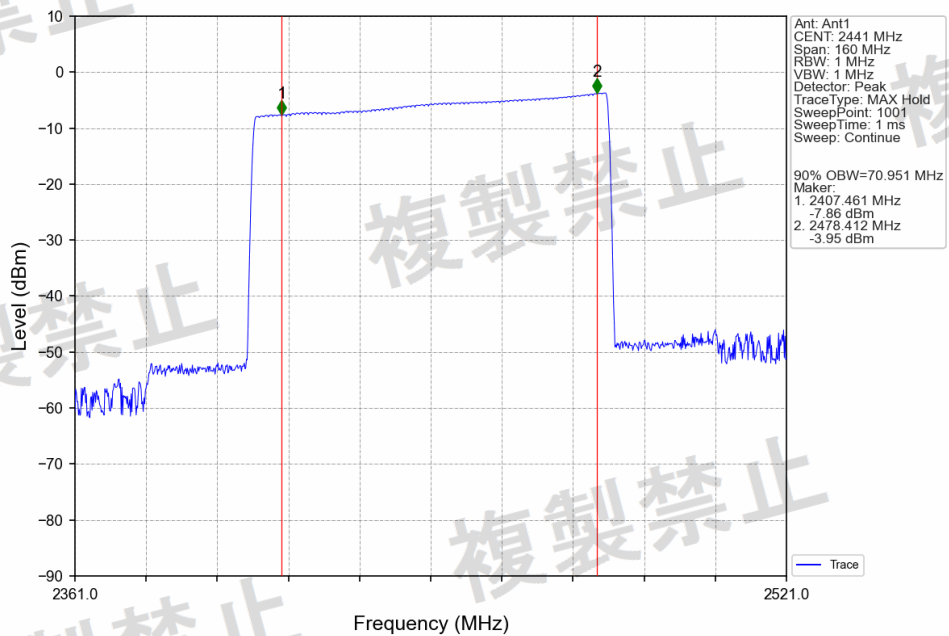


GFSK_DH5_HOPP_Ant1_NTLV

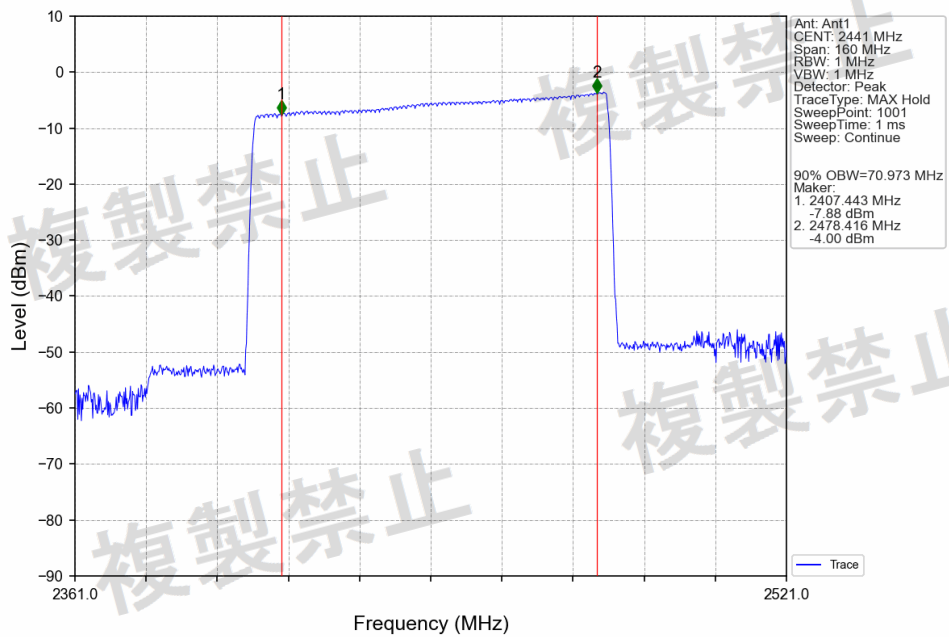


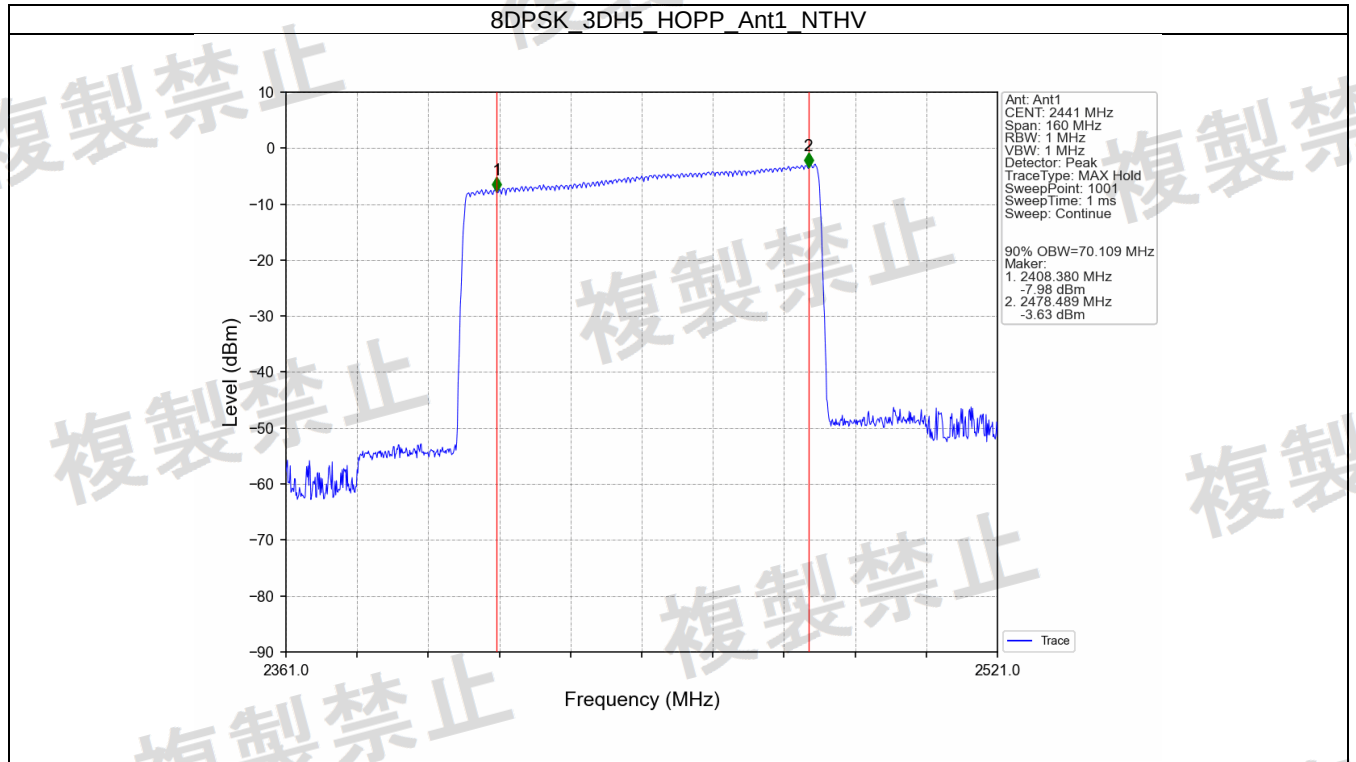


GFSK_DH5_HOPP_Ant1_NTHV



Pi/4DQPSK_2DH5_HOPP_Ant1_NTHV





4. Antenna Power

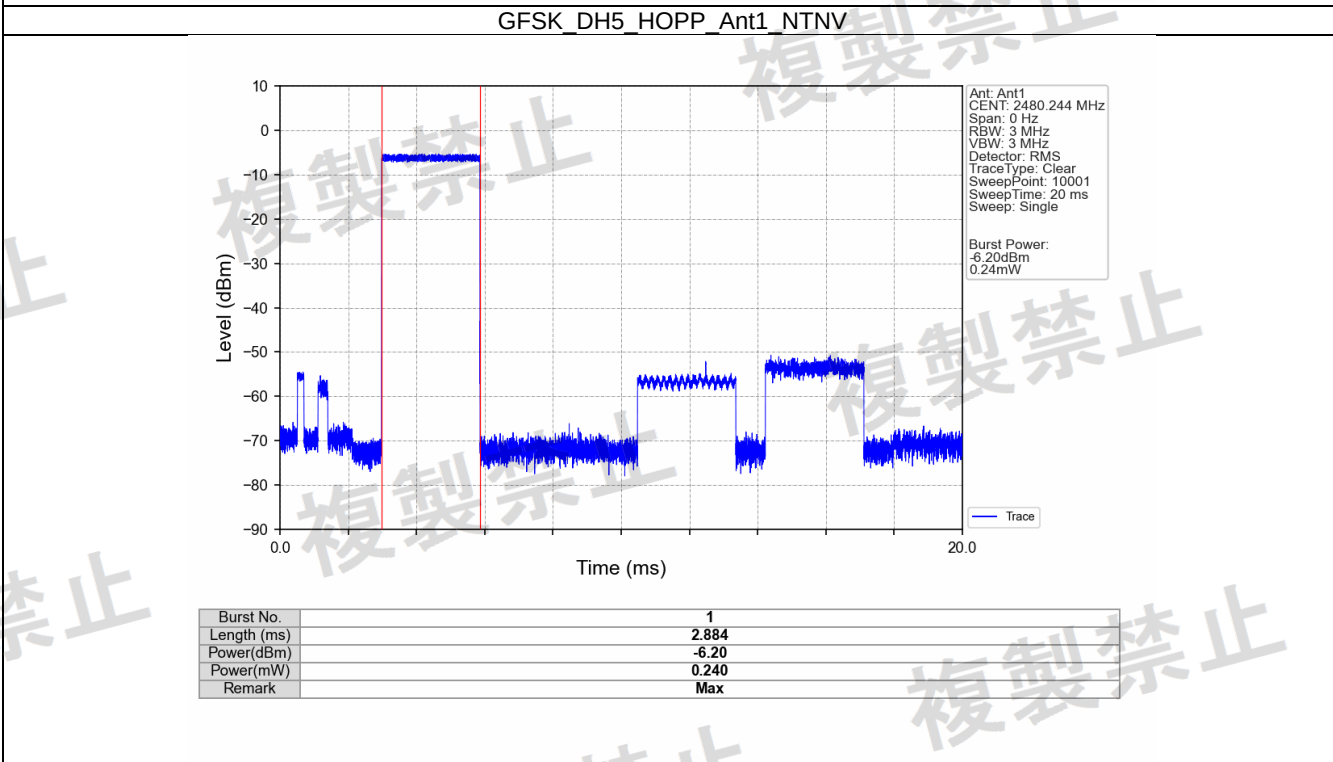
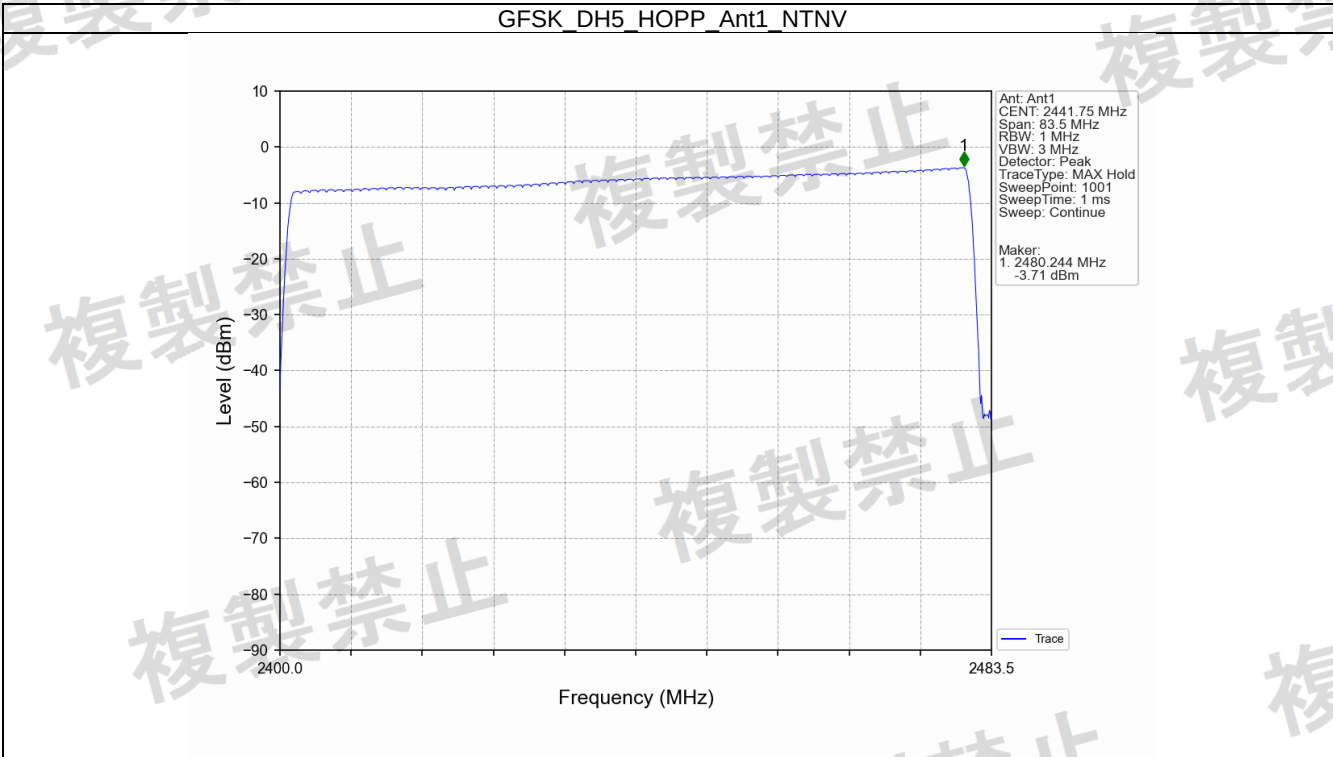
4.1 Test Result

4.1.1 Power

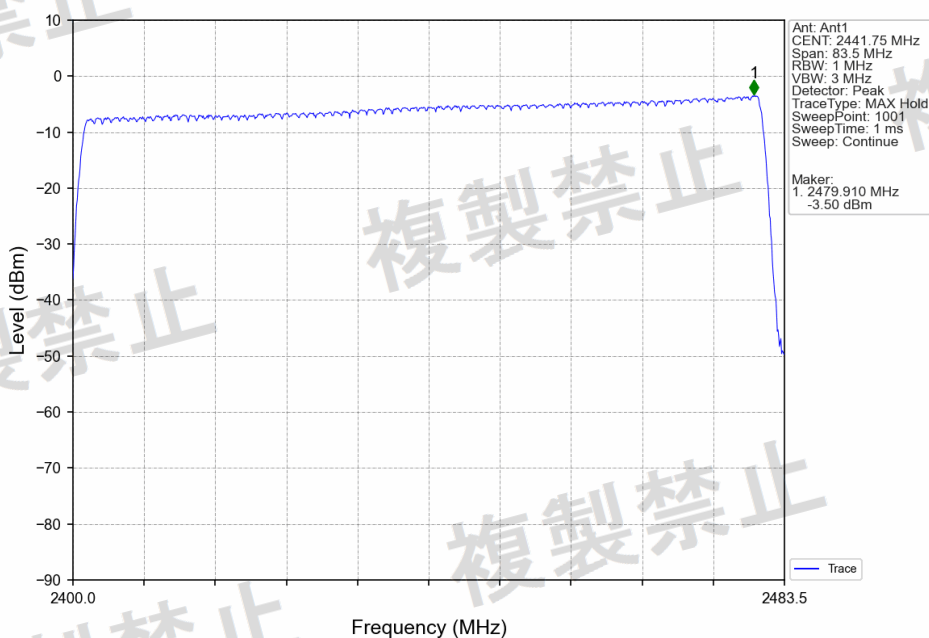
ENV	Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Antenna Power (mW/MHz)		Nominal Power (mW/MHz)	Tolerance (%)		Verdict
						Measured	Limit		Measured	Limit	
NTNV	GFSK	SISO	HOPP	DH5	1	0.003	≤ 3.00	0.006	-50	≤ 20	Pass
	Pi/4DQPSK	SISO	HOPP	2DH5	1	0.004	≤ 3.00	0.004	0	≤ 20	Pass
	8DPSK	SISO	HOPP	3DH5	1	0.004	≤ 3.00	0.005	-20	≤ 20	Pass
NTLV	GFSK	SISO	HOPP	DH5	1	0.006	≤ 3.00	0.006	0	≤ 20	Pass
	Pi/4DQPSK	SISO	HOPP	2DH5	1	0.004	≤ 3.00	0.004	0	≤ 20	Pass
	8DPSK	SISO	HOPP	3DH5	1	0.003	≤ 3.00	0.005	-40	≤ 20	Pass
NTHV	GFSK	SISO	HOPP	DH5	1	0.006	≤ 3.00	0.006	0	≤ 20	Pass
	Pi/4DQPSK	SISO	HOPP	2DH5	1	0.003	≤ 3.00	0.004	-25	≤ 20	Pass
	8DPSK	SISO	HOPP	3DH5	1	0.005	≤ 3.00	0.005	0	≤ 20	Pass

4.2 Test Graph

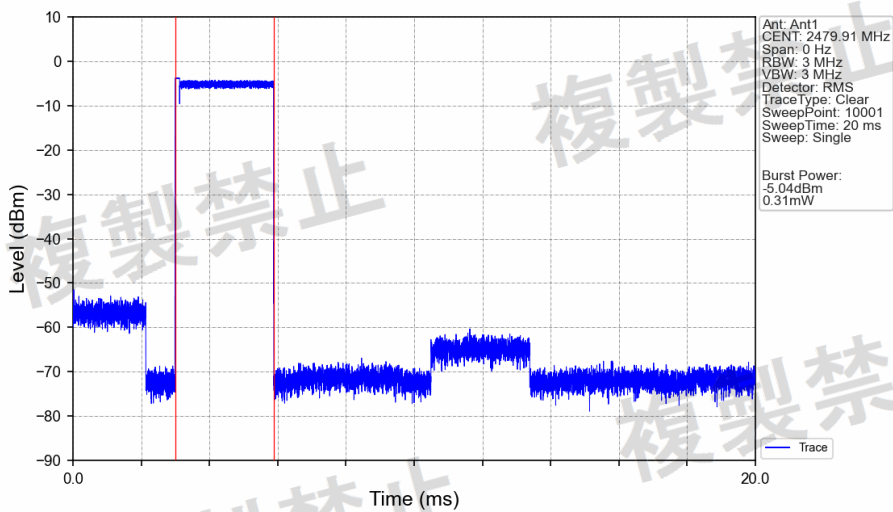
4.2.1 Power



Pi/4DQPSK_2DH5_HOPP_Ant1_NTNV

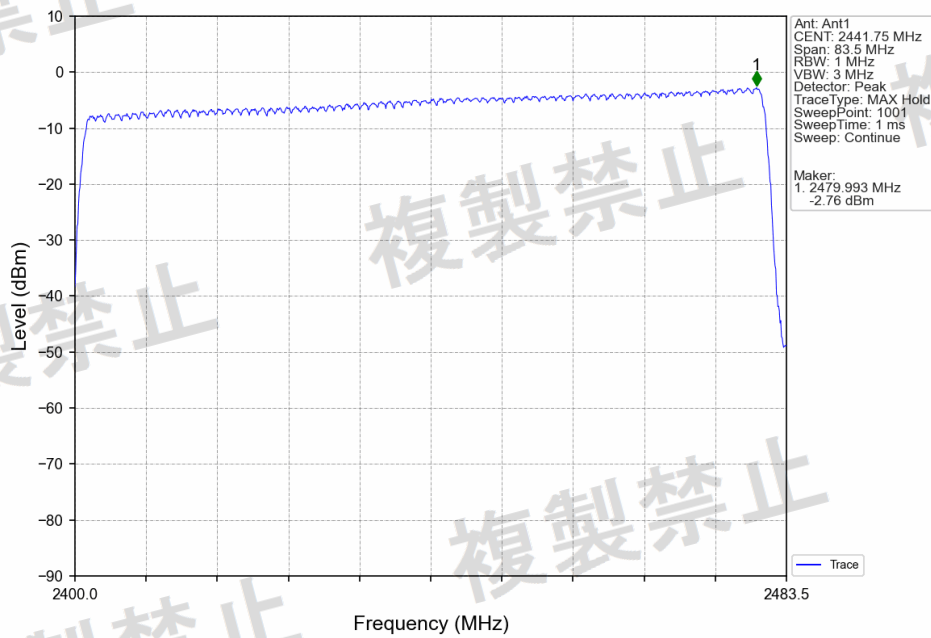


Pi/4DQPSK_2DH5_HOPP_Ant1_NTNV

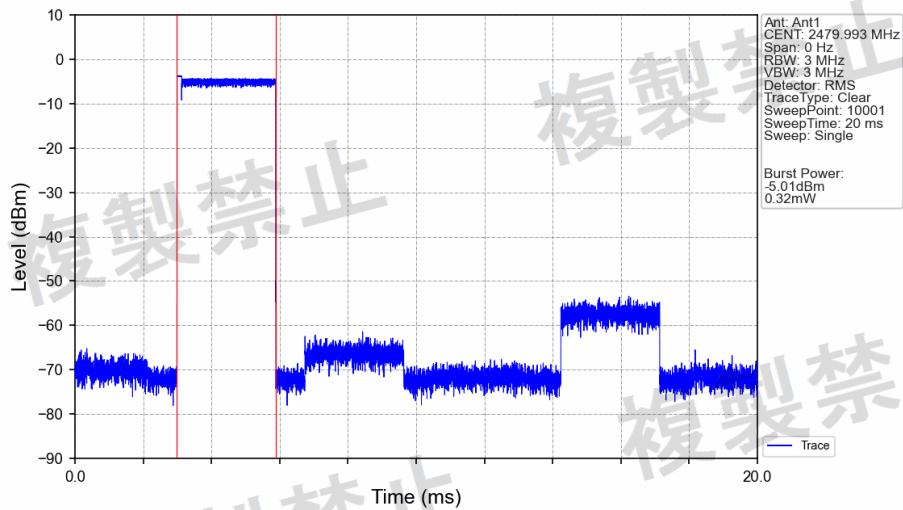


Burst No.	1
Length (ms)	2.888
Power(dBm)	-5.04
Power(mW)	0.313
Remark	Max

8DPSK_3DH5_HOPP_Ant1_NTNV

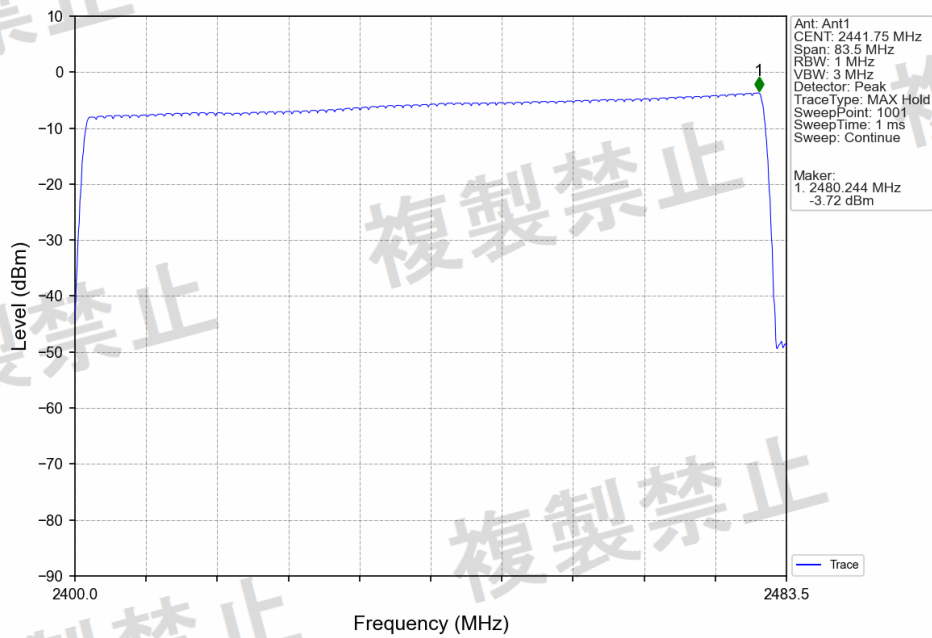


8DPSK_3DH5_HOPP_Ant1_NTNV

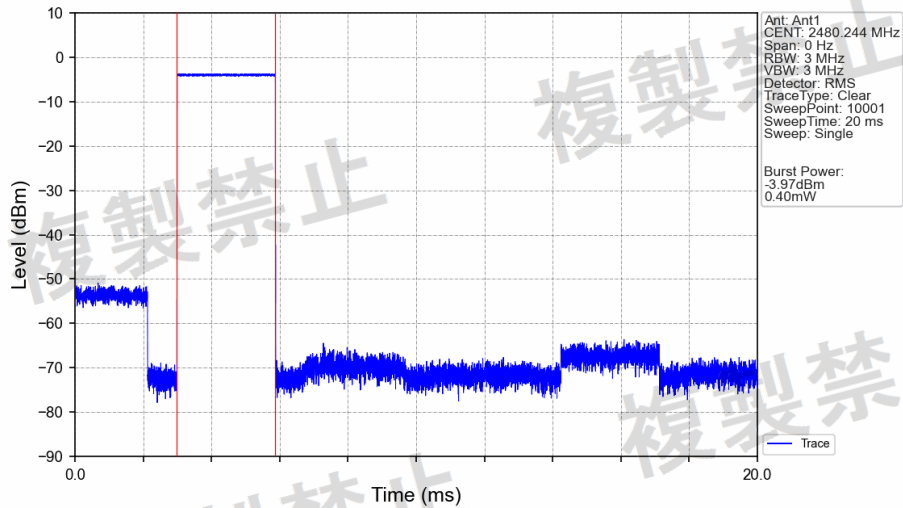


Burst No.	1
Length (ms)	2.892
Power(dBm)	-5.01
Power(mW)	0.316
Remark	Max

GFSK_DH5_HOPP_Ant1_NTLV

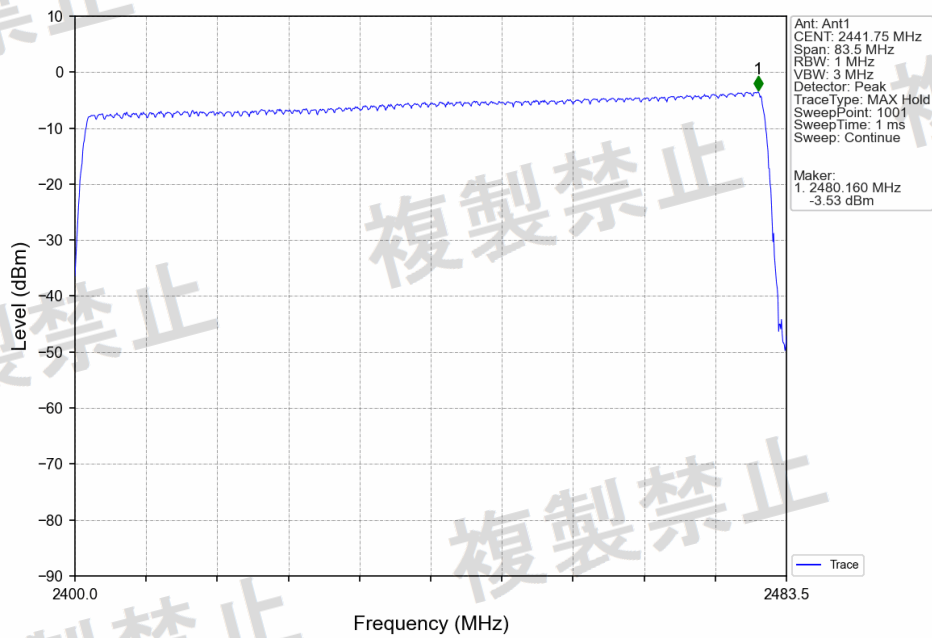


GFSK_DH5_HOPP_Ant1_NTLV

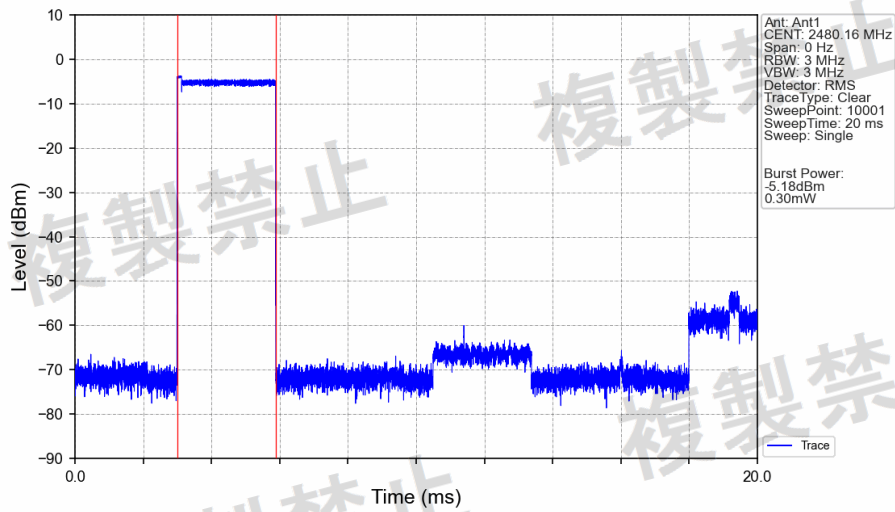


Burst No.	1
Length (ms)	2.884
Power(dBm)	-3.97
Power(mW)	0.400
Remark	Max

Pi/4DQPSK_2DH5_HOPP_Ant1_NTLV

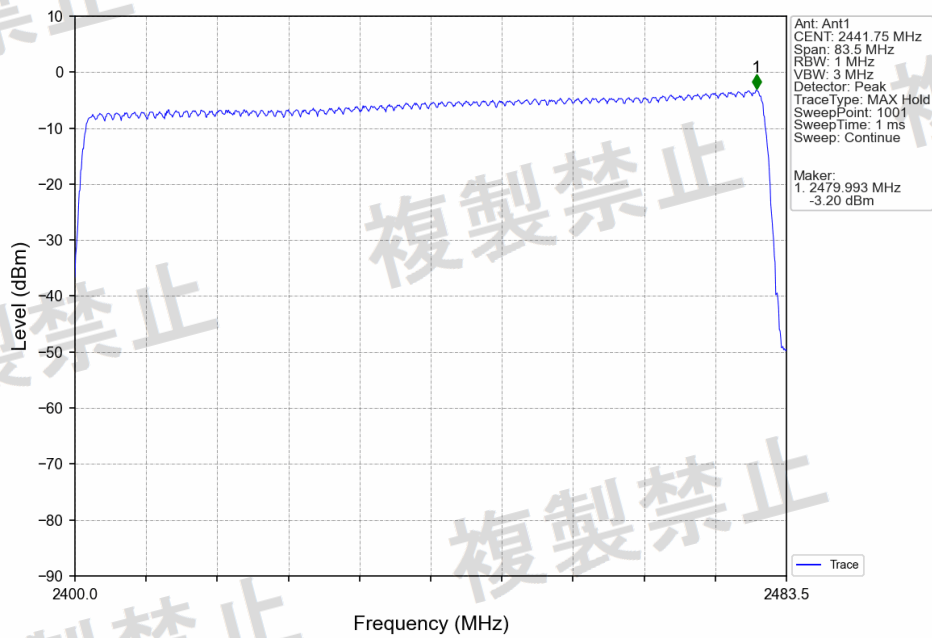


Pi/4DQPSK_2DH5_HOPP_Ant1_NTLV

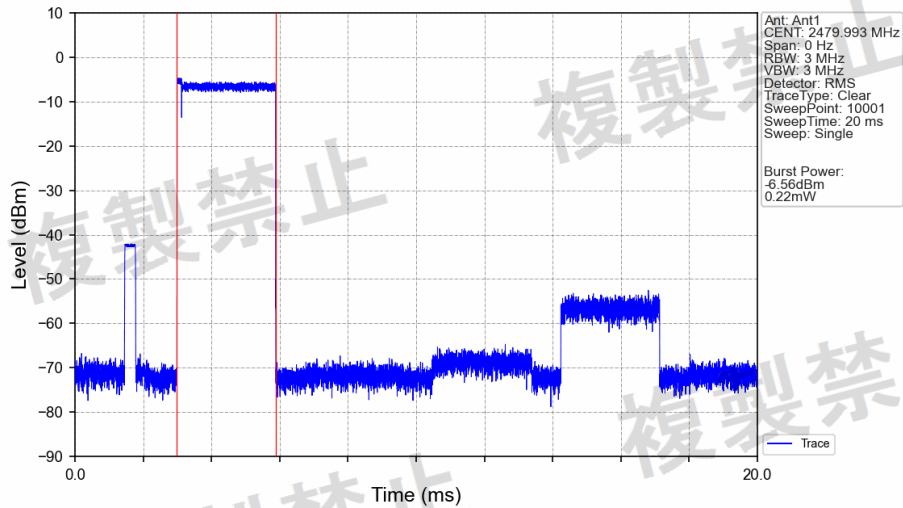


Burst No.	1
Length (ms)	2.886
Power(dBm)	-5.18
Power(mW)	0.303
Remark	Max

8DPSK_3DH5_HOPP_Ant1_NTLV

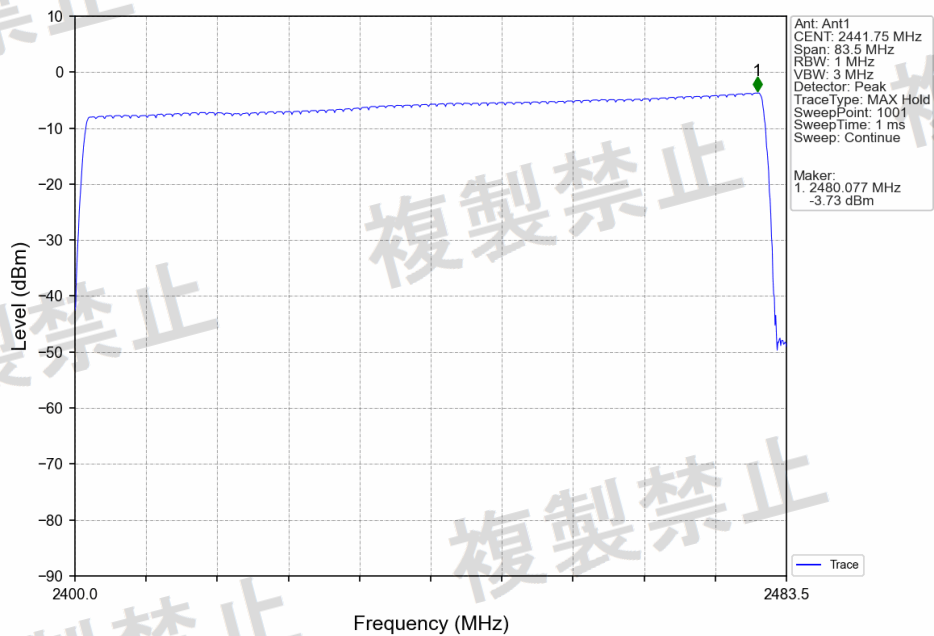


8DPSK_3DH5_HOPP_Ant1_NTLV

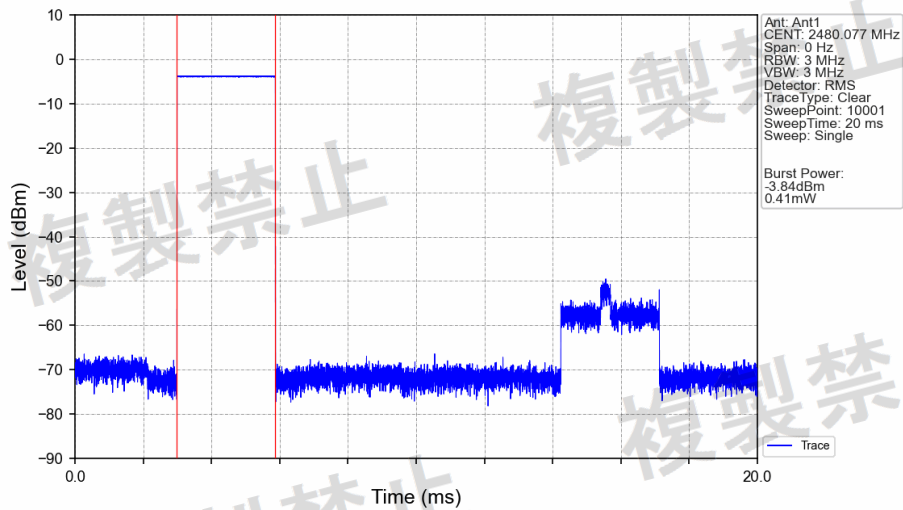


Burst No.	1
Length (ms)	2.890
Power(dBm)	-6.56
Power(mW)	0.221
Remark	Max

GFSK_DH5_HOPP_Ant1_NTHV

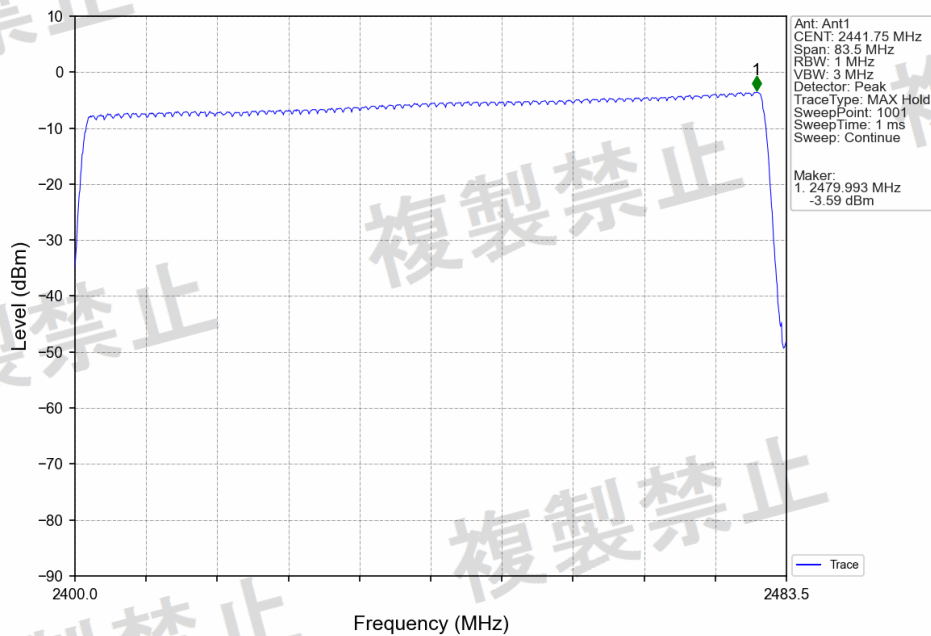


GFSK_DH5_HOPP_Ant1_NTHV

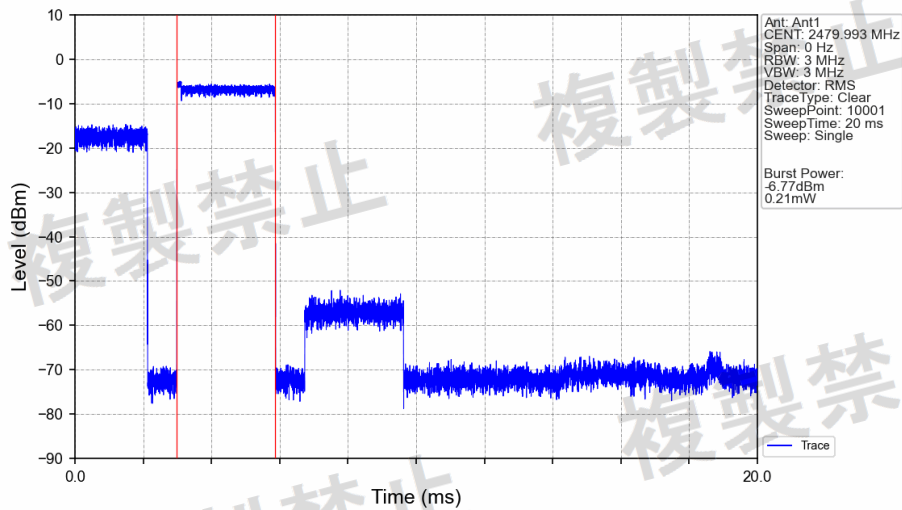


Burst No.	1
Length (ms)	2.882
Power(dBm)	-3.84
Power(mW)	0.413
Remark	Max

Pi/4DQPSK_2DH5_HOPP_Ant1_NTHV

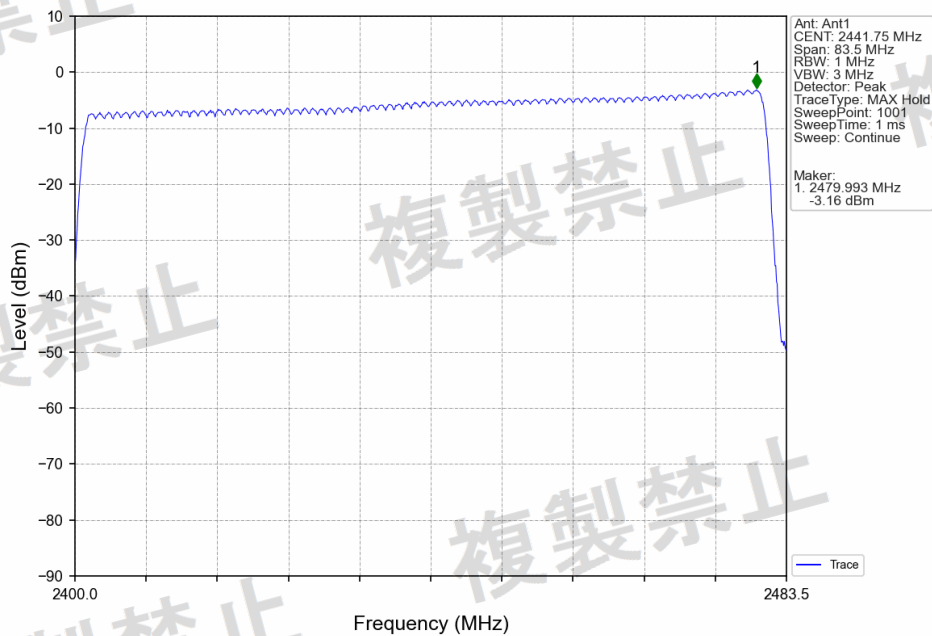


Pi/4DQPSK_2DH5_HOPP_Ant1_NTHV

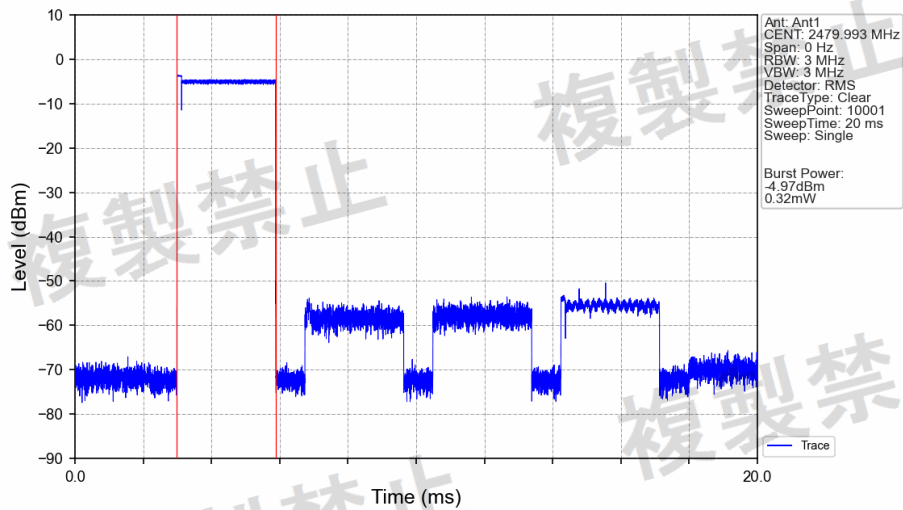


Burst No.	1
Length (ms)	2.884
Power(dBm)	-6.77
Power(mW)	0.210
Remark	Max

8DPSK_3DH5_HOPP_Ant1_NTHV



8DPSK_3DH5_HOPP_Ant1_NTHV



Burst No.	1
Length (ms)	2.890
Power(dBm)	-4.97
Power(mW)	0.318
Remark	Max

5. Dwell Time

5.1 Test Result

5.1.1 Ant1

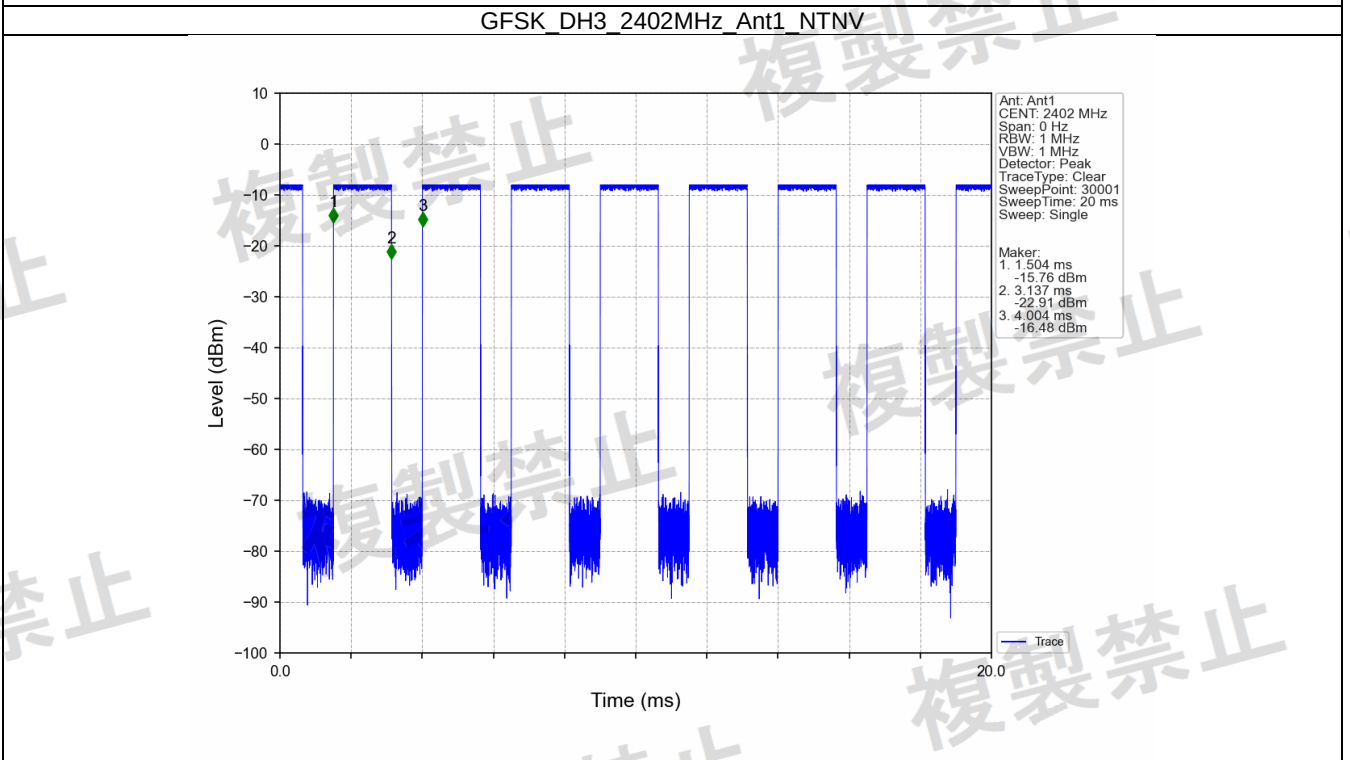
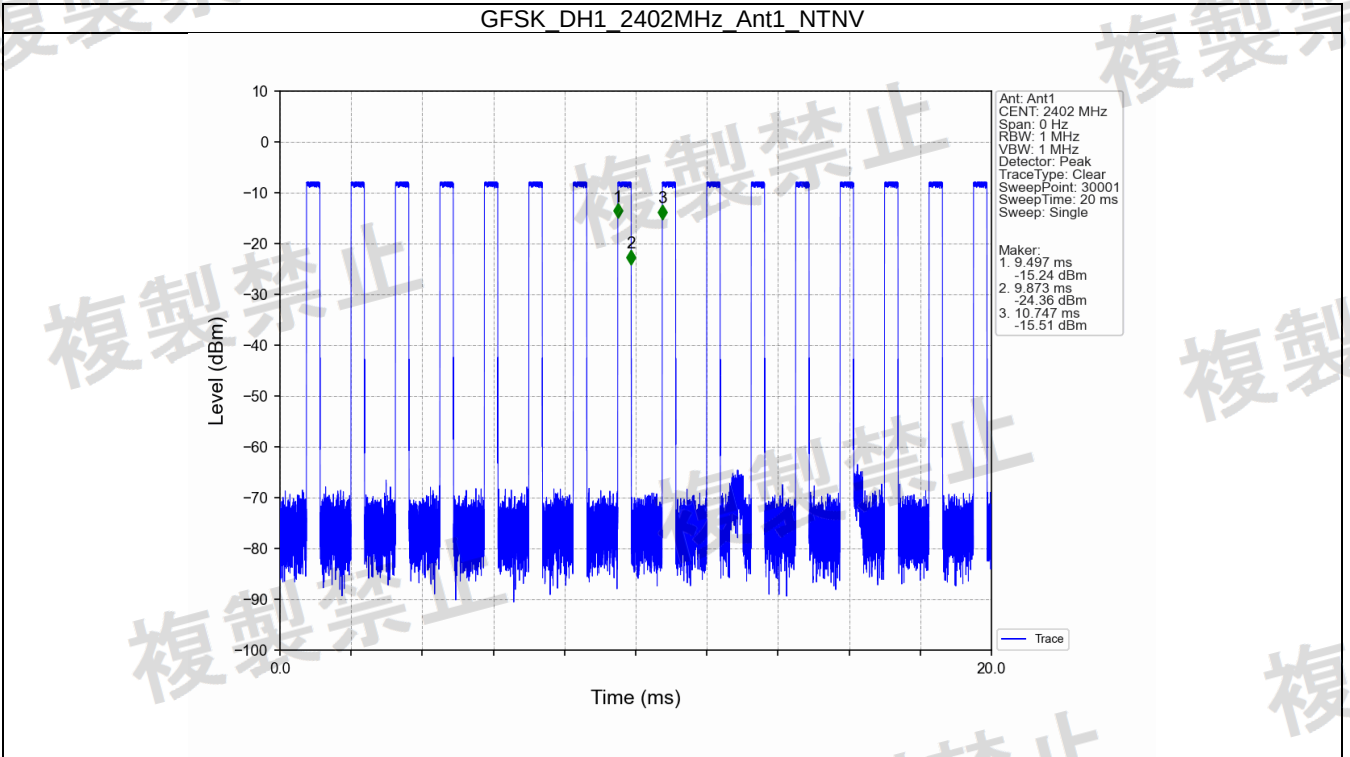
Ant1											
ENV	Mode	TX Type	Frequency (MHz)	Packet Type	Spreading Rate	T_on (ms)	Period (ms)	Hopp Number	Dwell Time (ms)		Verdict
									Result	Limit	
NTNV	GFSK	SISO	2402	DH1	70.971	0.376	1.250	79	108.092	<=400	Pass
				DH3	70.971	1.633	2.500	79	234.725	<=400	Pass
				DH5	70.971	2.880	3.750	79	275.978	<=400	Pass
			2480	DH1	70.971	0.376	1.250	79	108.092	<=400	Pass
				DH3	70.971	1.632	2.500	79	234.582	<=400	Pass
				DH5	70.971	2.881	3.750	79	276.074	<=400	Pass
	Pi/4DQPSK	SISO	2402	2DH1	71.023	0.386	1.250	79	111.048	<=400	Pass
				2DH3	71.023	1.638	2.500	79	235.617	<=400	Pass
				2DH5	71.023	2.887	3.750	79	276.852	<=400	Pass
			2480	2DH1	71.023	0.386	1.250	79	111.048	<=400	Pass
				2DH3	71.023	1.640	2.500	79	235.904	<=400	Pass
				2DH5	71.023	2.887	3.750	79	276.852	<=400	Pass
	8DPSK	SISO	2402	3DH1	70.158	0.388	1.250	79	110.264	<=400	Pass
				3DH3	70.158	1.638	2.500	79	232.747	<=400	Pass
				3DH5	70.158	2.889	3.751	79	273.597	<=400	Pass
			2480	3DH1	70.158	0.388	1.250	79	110.264	<=400	Pass
				3DH3	70.158	1.638	2.500	79	232.747	<=400	Pass
				3DH5	70.158	2.889	3.750	79	273.669	<=400	Pass
NTLV	GFSK	SISO	2402	DH1	70.991	0.376	1.250	79	108.122	<=400	Pass
				DH3	70.991	1.632	2.500	79	234.648	<=400	Pass
				DH5	70.991	2.880	3.750	79	276.056	<=400	Pass
			2480	DH1	70.991	0.376	1.250	79	108.122	<=400	Pass
				DH3	70.991	1.632	2.500	79	234.648	<=400	Pass
				DH5	70.991	2.881	3.750	79	276.152	<=400	Pass
	Pi/4DQPSK	SISO	2402	2DH1	70.992	0.387	1.250	79	111.287	<=400	Pass
				2DH3	70.992	1.638	2.500	79	235.514	<=400	Pass
				2DH5	70.992	2.886	3.750	79	276.635	<=400	Pass
			2480	2DH1	70.992	0.387	1.250	79	111.287	<=400	Pass
				2DH3	70.992	1.639	2.500	79	235.657	<=400	Pass
				2DH5	70.992	2.887	3.750	79	276.731	<=400	Pass
	8DPSK	SISO	2402	3DH1	70.092	0.388	1.250	79	110.160	<=400	Pass
				3DH3	70.092	1.638	2.500	79	232.528	<=400	Pass
				3DH5	70.092	2.888	3.750	79	273.317	<=400	Pass
			2480	3DH1	70.092	0.388	1.250	79	110.160	<=400	Pass
				3DH3	70.092	1.638	2.500	79	232.528	<=400	Pass
				3DH5	70.092	2.890	3.750	79	273.507	<=400	Pass
NTHV	GFSK	SISO	2402	DH1	70.951	0.376	1.250	79	108.061	<=400	Pass
				DH3	70.951	1.633	2.500	79	234.659	<=400	Pass
				DH5	70.951	2.881	3.750	79	275.996	<=400	Pass
			2480	DH1	70.951	0.377	1.250	79	108.348	<=400	Pass
				DH3	70.951	1.633	2.500	79	234.659	<=400	Pass
	Pi/4DQPSK	SISO	2402	DH5	70.951	2.881	3.750	79	275.996	<=400	Pass
				2DH1	70.973	0.386	1.250	79	110.969	<=400	Pass
				2DH3	70.973	1.638	2.500	79	235.451	<=400	Pass
			2480	2DH5	70.973	2.887	3.750	79	276.657	<=400	Pass
				2DH1	70.973	0.387	1.250	79	111.257	<=400	Pass
				2DH3	70.973	1.638	2.500	79	235.451	<=400	Pass

	8DPSK	SISO	2402	2DH5	70.973	2.887	3.750	79	276.657	<=400	Pass
				3DH1	70.109	0.388	1.250	79	110.186	<=400	Pass
				3DH3	70.109	1.638	2.500	79	232.584	<=400	Pass
				3DH5	70.109	2.889	3.750	79	273.478	<=400	Pass
			2480	3DH1	70.109	0.388	1.250	79	110.186	<=400	Pass
				3DH3	70.109	1.638	2.500	79	232.584	<=400	Pass
				3DH5	70.109	2.889	3.751	79	273.405	<=400	Pass

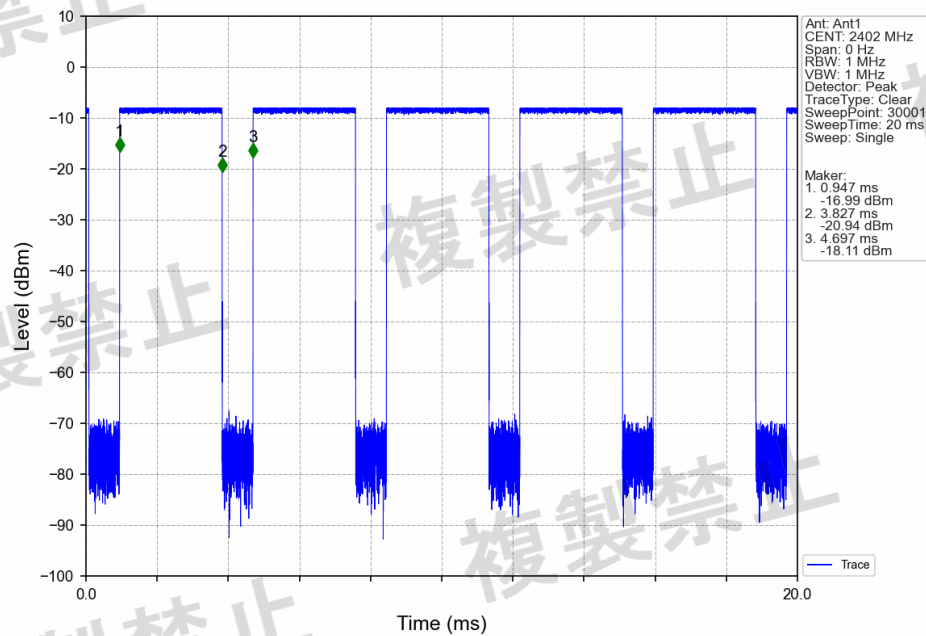
Note: Dwell Time = 90% spreading factor / total number of channels * duty cycle * 400ms

5.2 Test Graph

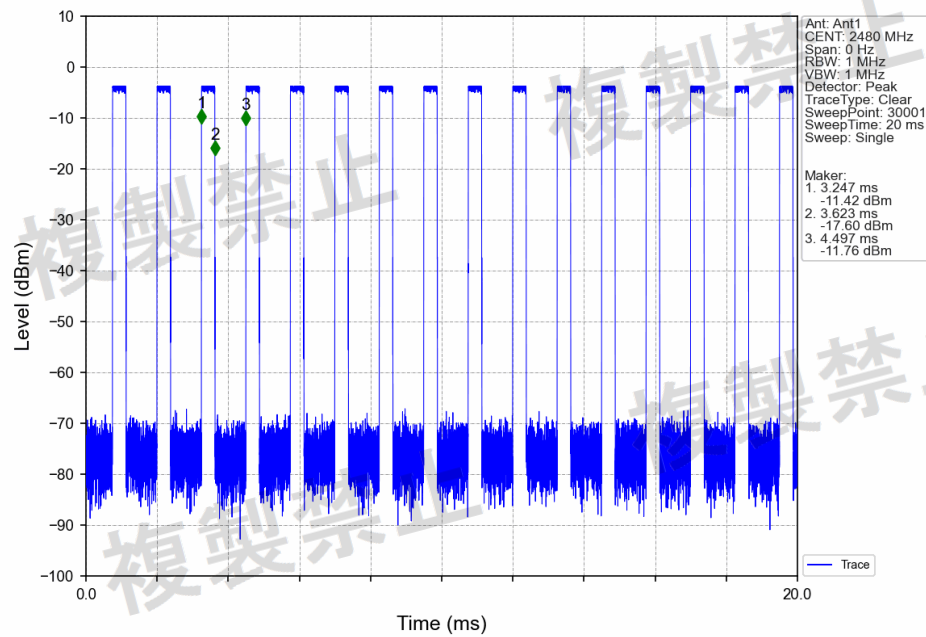
5.2.1 Ant1



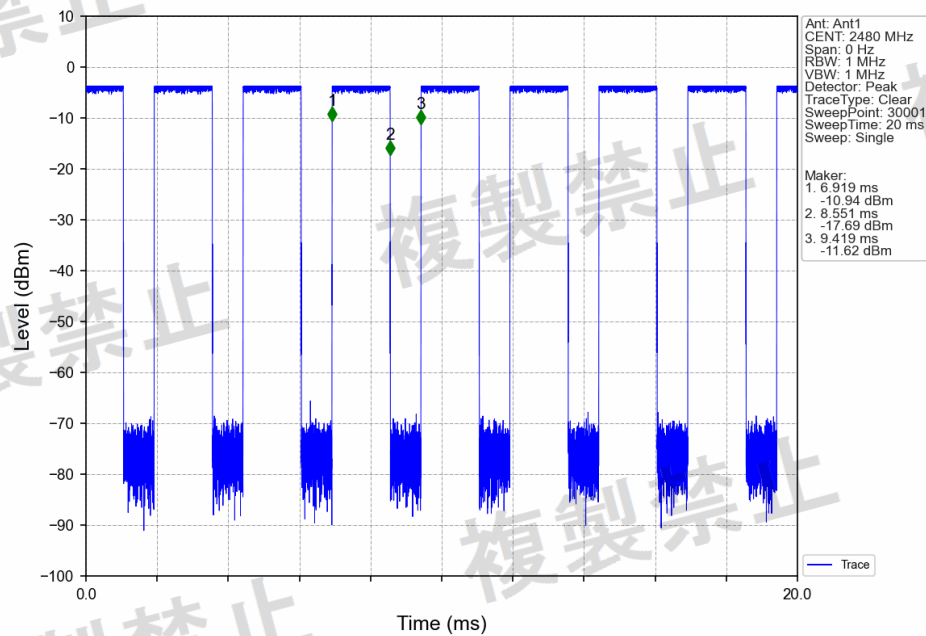
GFSK_DH5_2402MHz_Ant1_NTNV



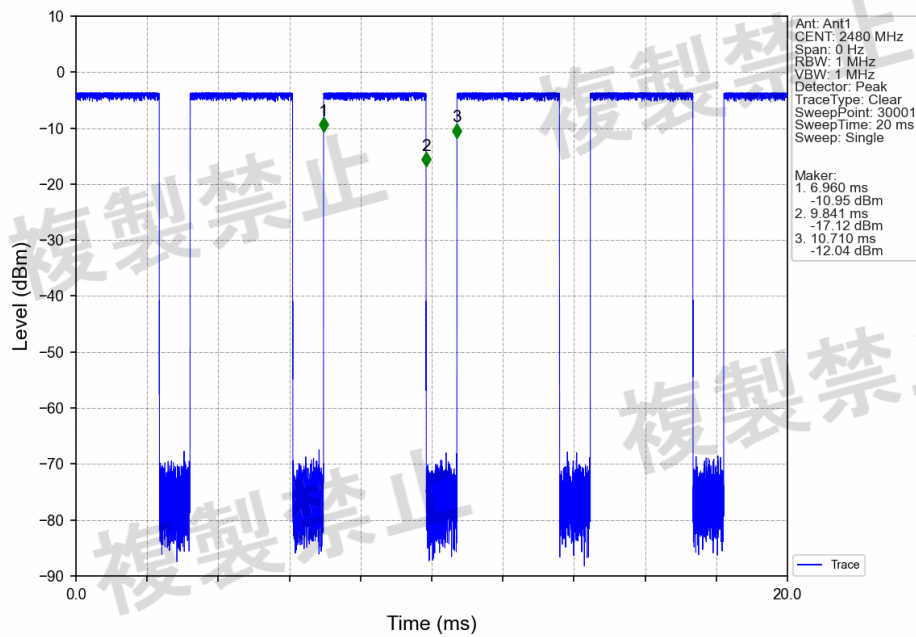
GFSK_DH1_2480MHz_Ant1_NTNV



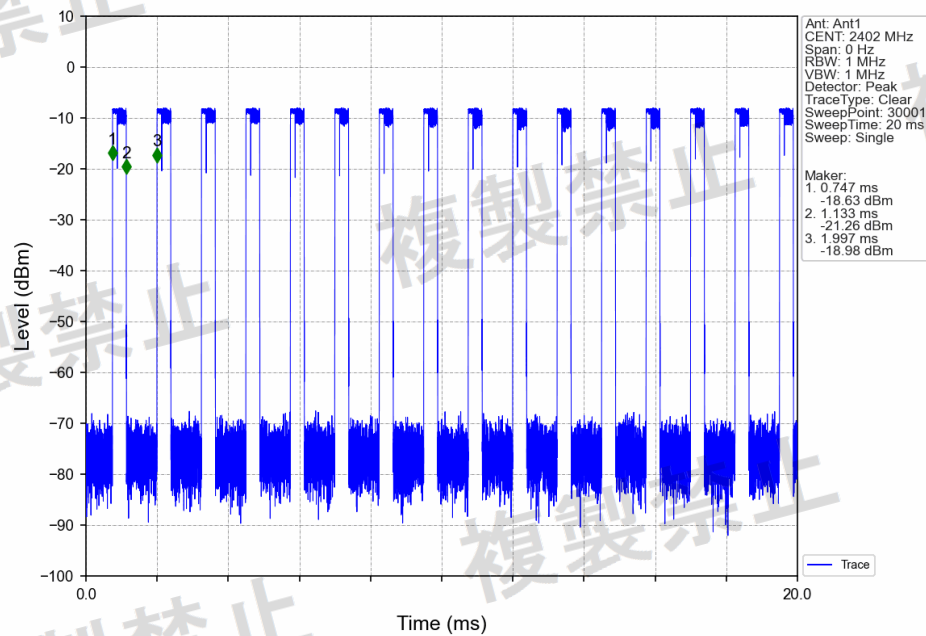
GFSK_DH3_2480MHz_Ant1_NTNV



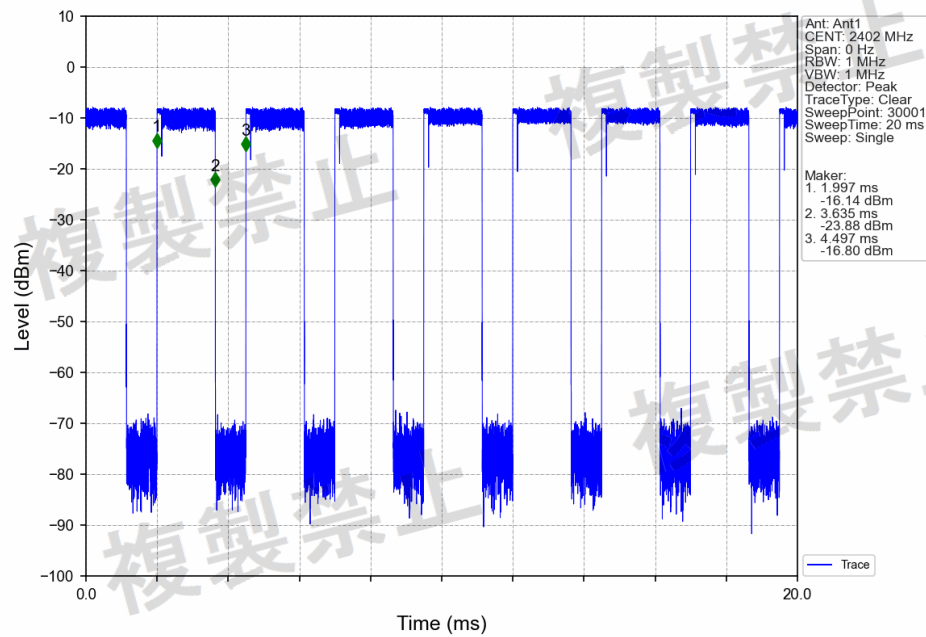
GFSK_DH5_2480MHz_Ant1_NTNV

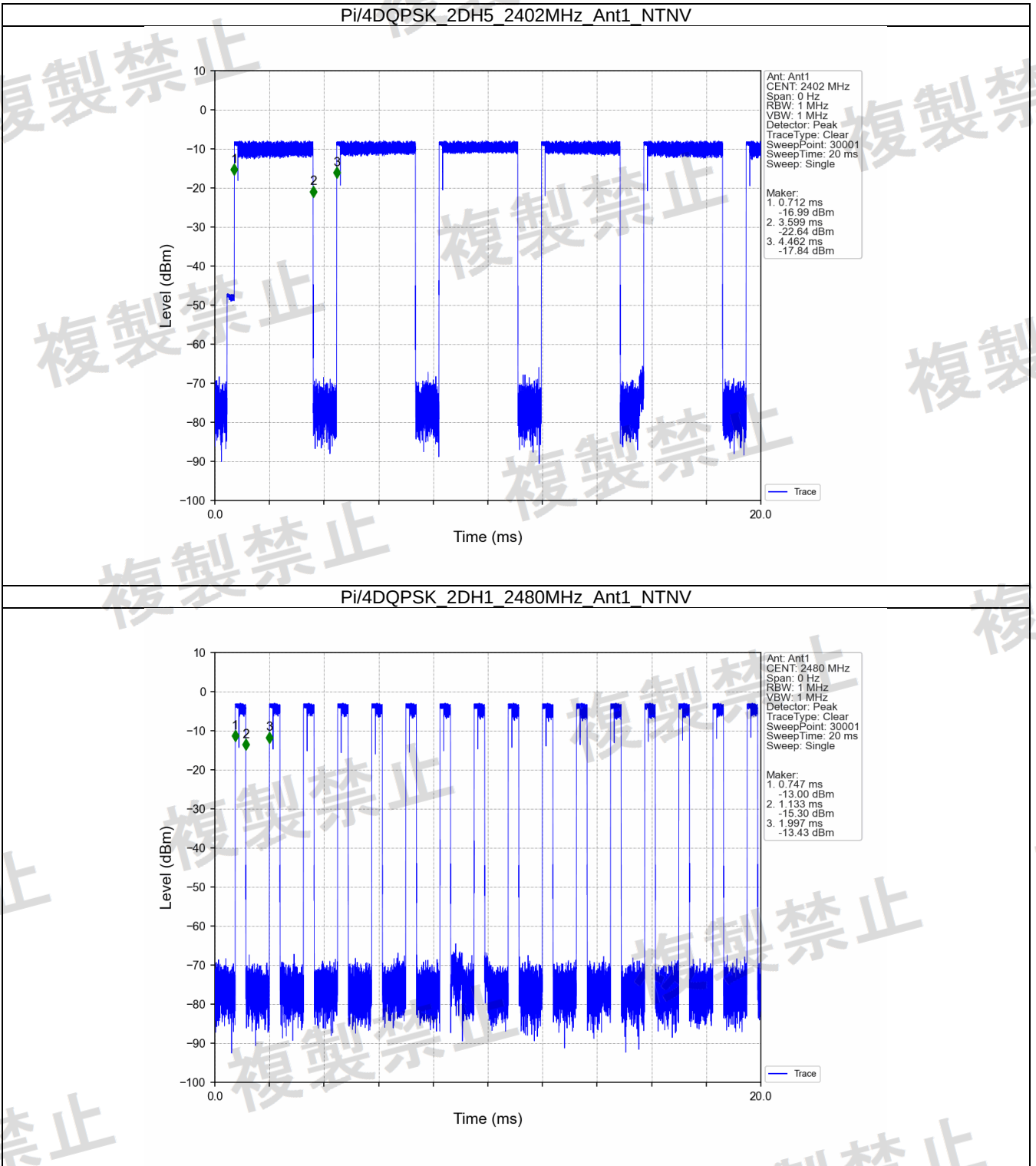


Pi/4DQPSK_2DH1_2402MHz_Ant1_NTNV

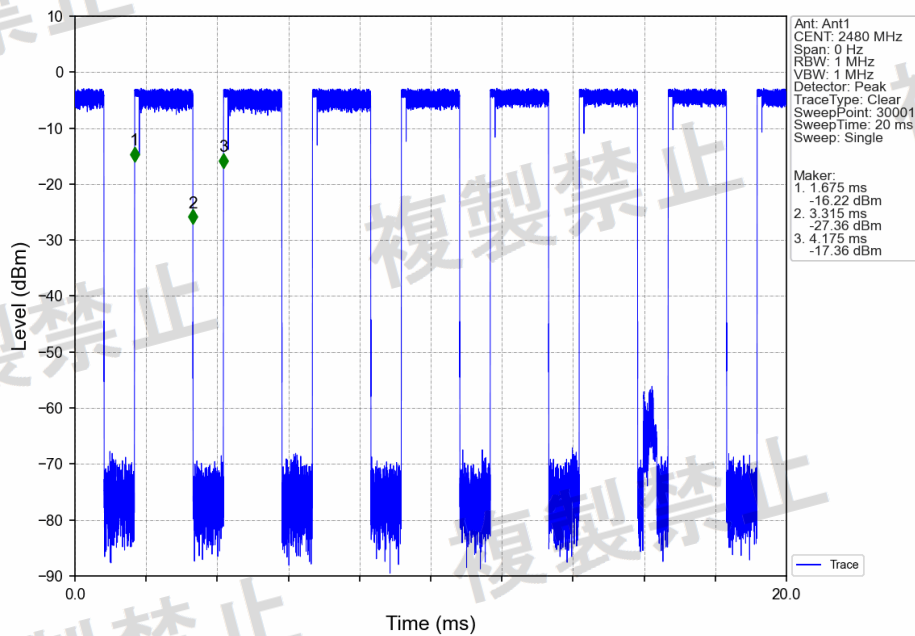


Pi/4DQPSK_2DH3_2402MHz_Ant1_NTNV

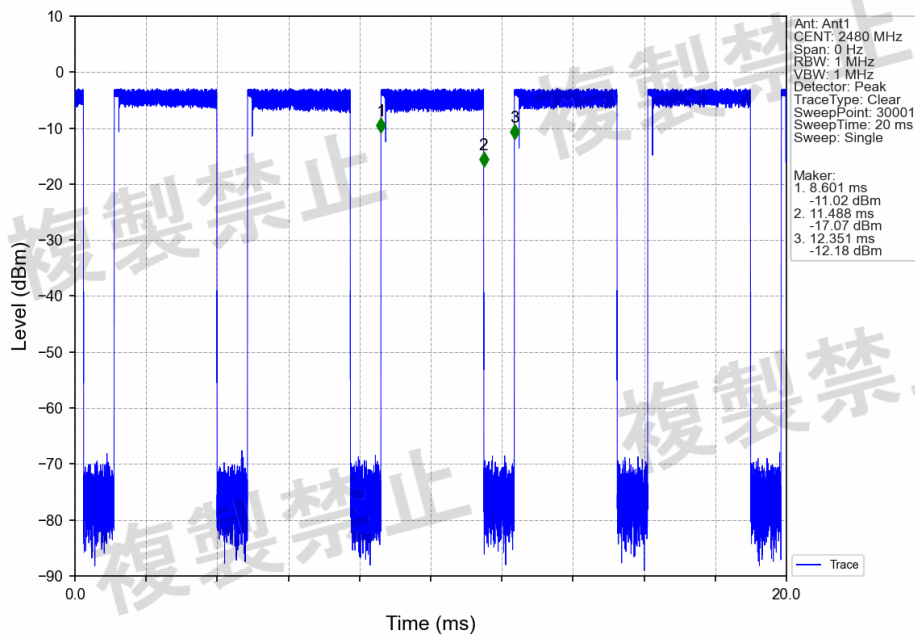


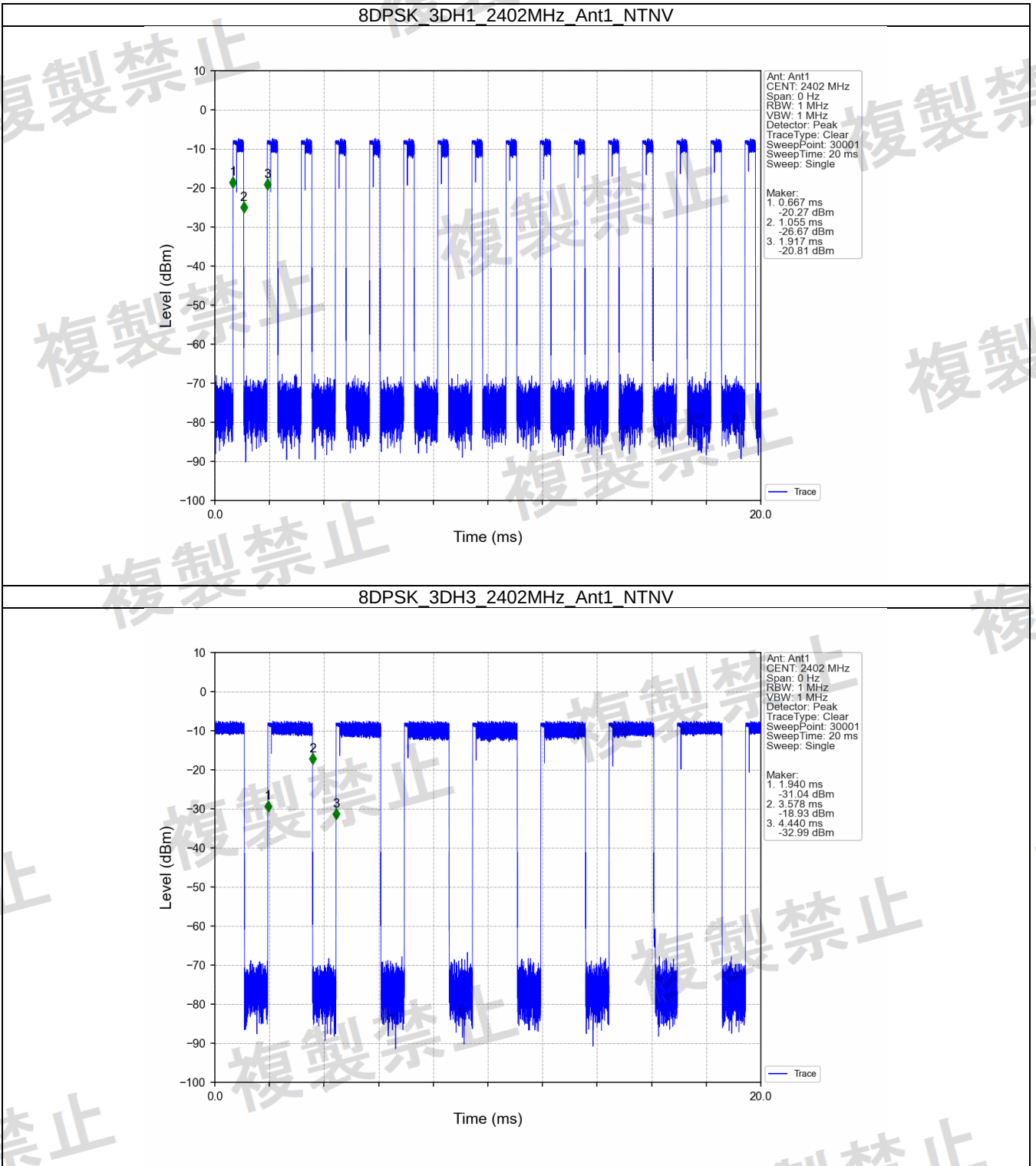


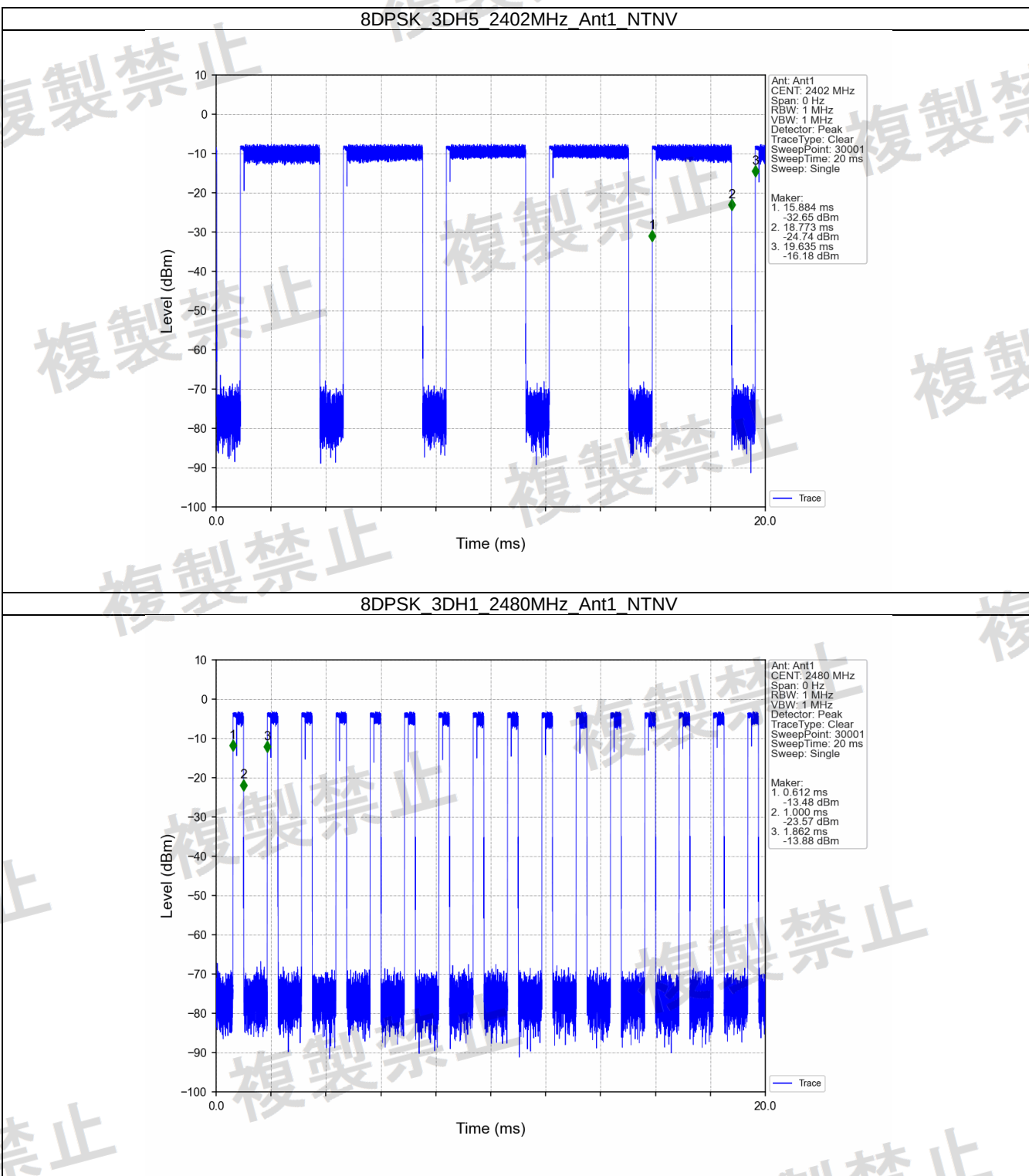
Pi/4DQPSK_2DH3_2480MHz_Ant1_NTNV



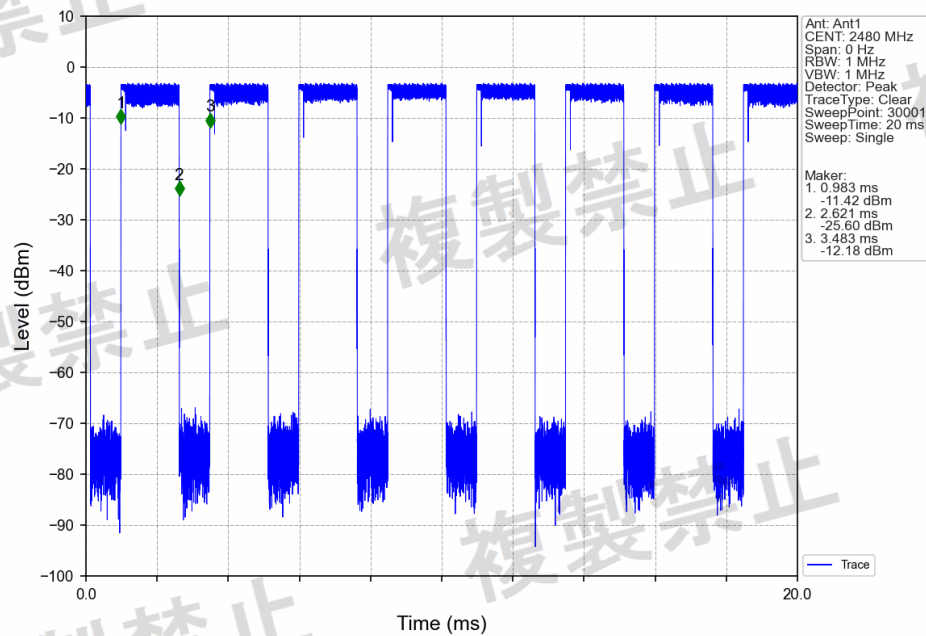
Pi/4DQPSK_2DH5_2480MHz_Ant1_NTNV



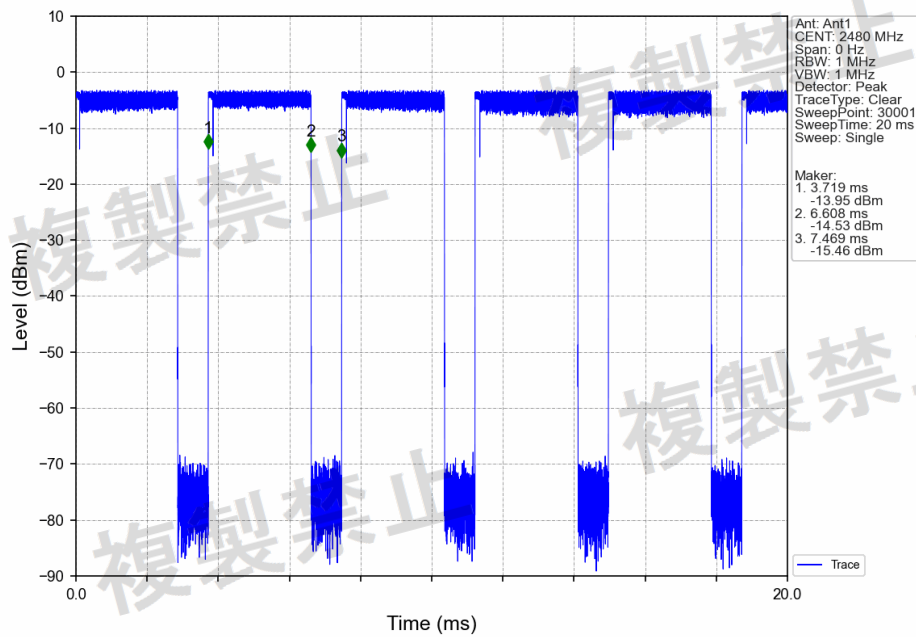




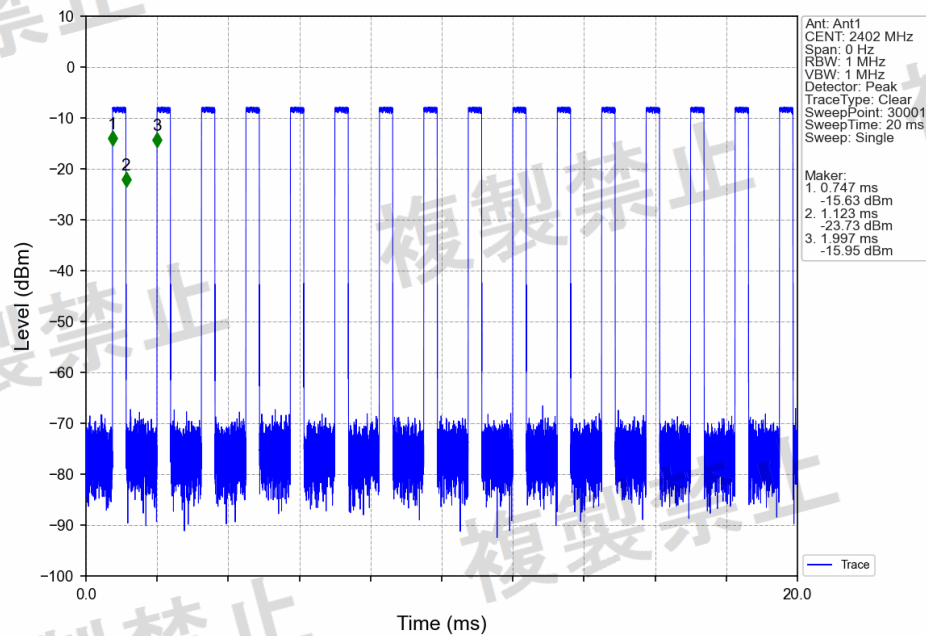
8DPSK_3DH3_2480MHz_Ant1_NTNV



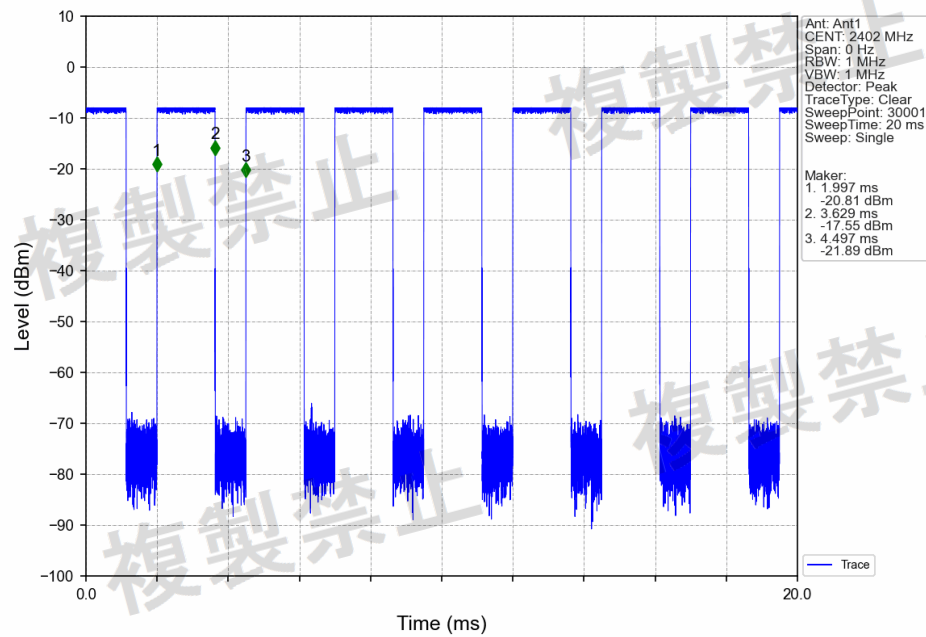
8DPSK_3DH5_2480MHz_Ant1_NTNV



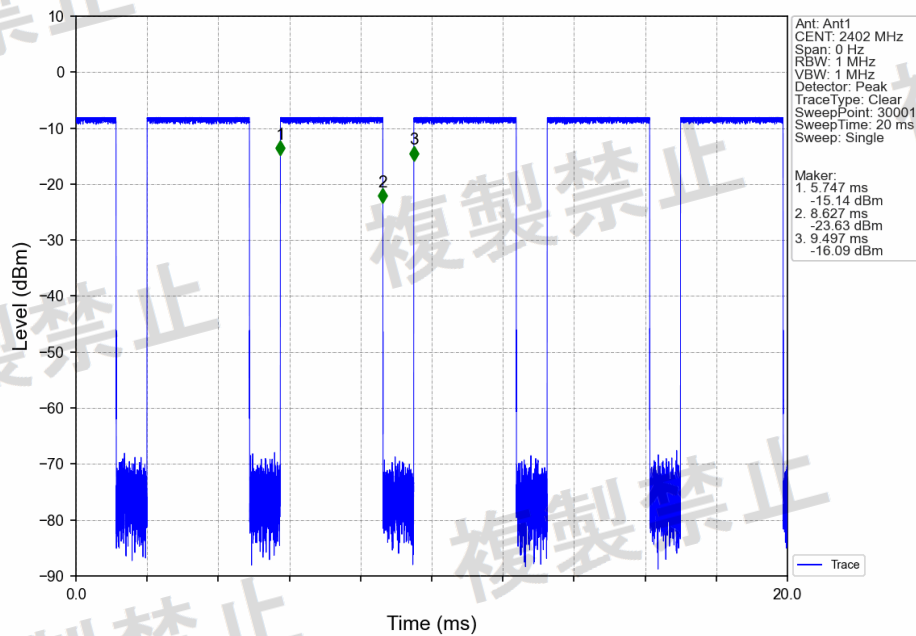
GFSK_DH1_2402MHz_Ant1_NTLV



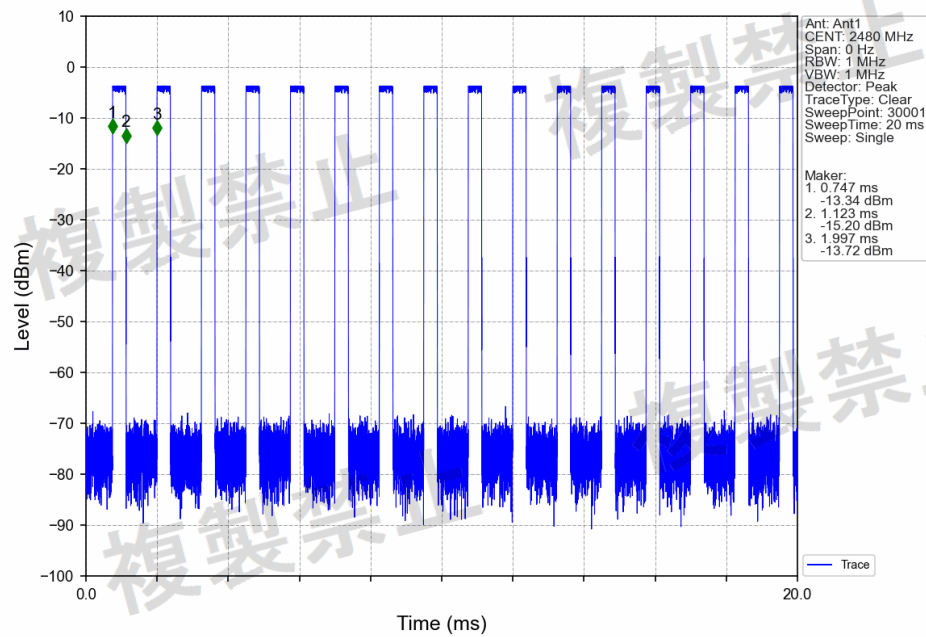
GFSK_DH3_2402MHz_Ant1_NTLV



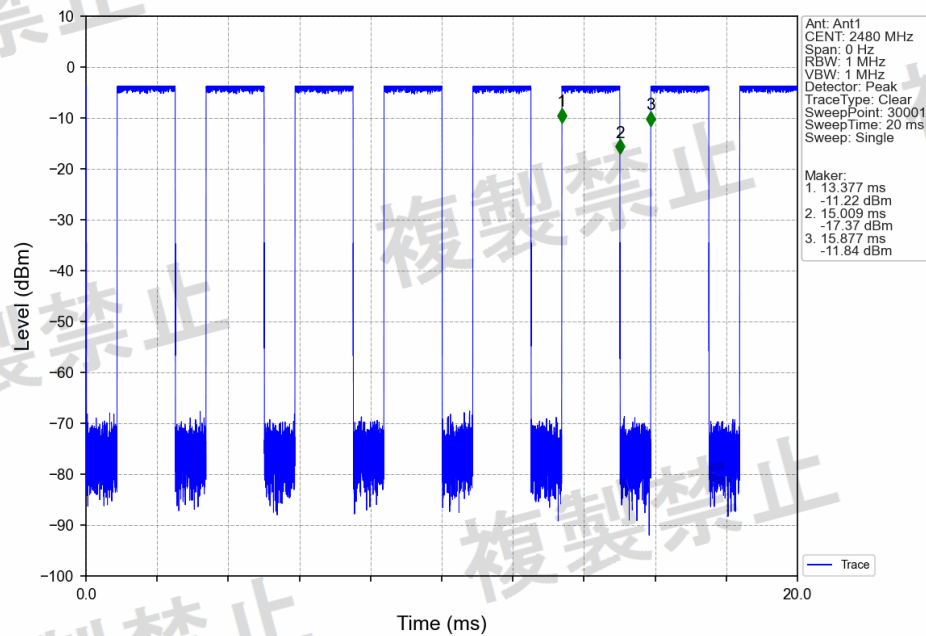
GFSK_DH5_2402MHz_Ant1_NTLV



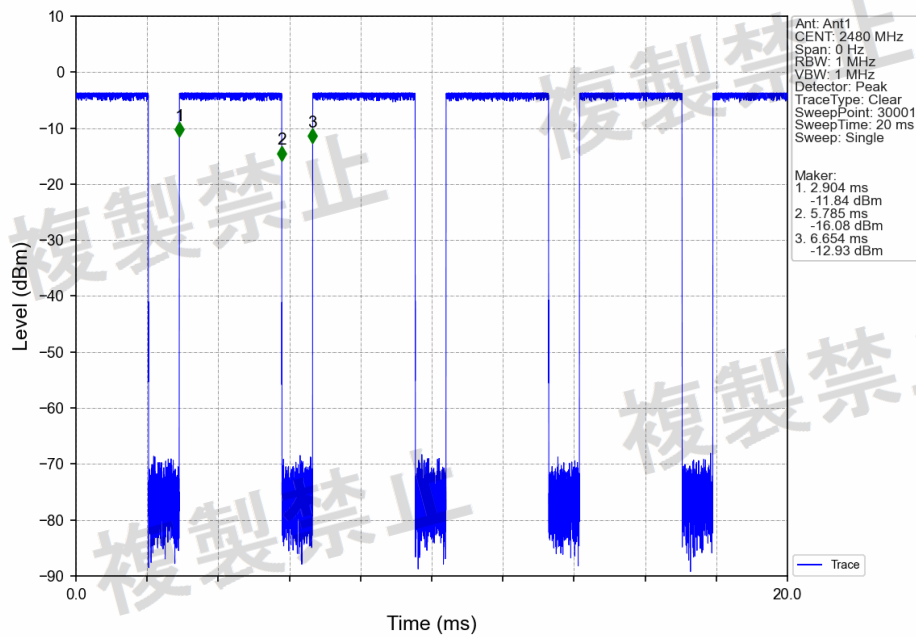
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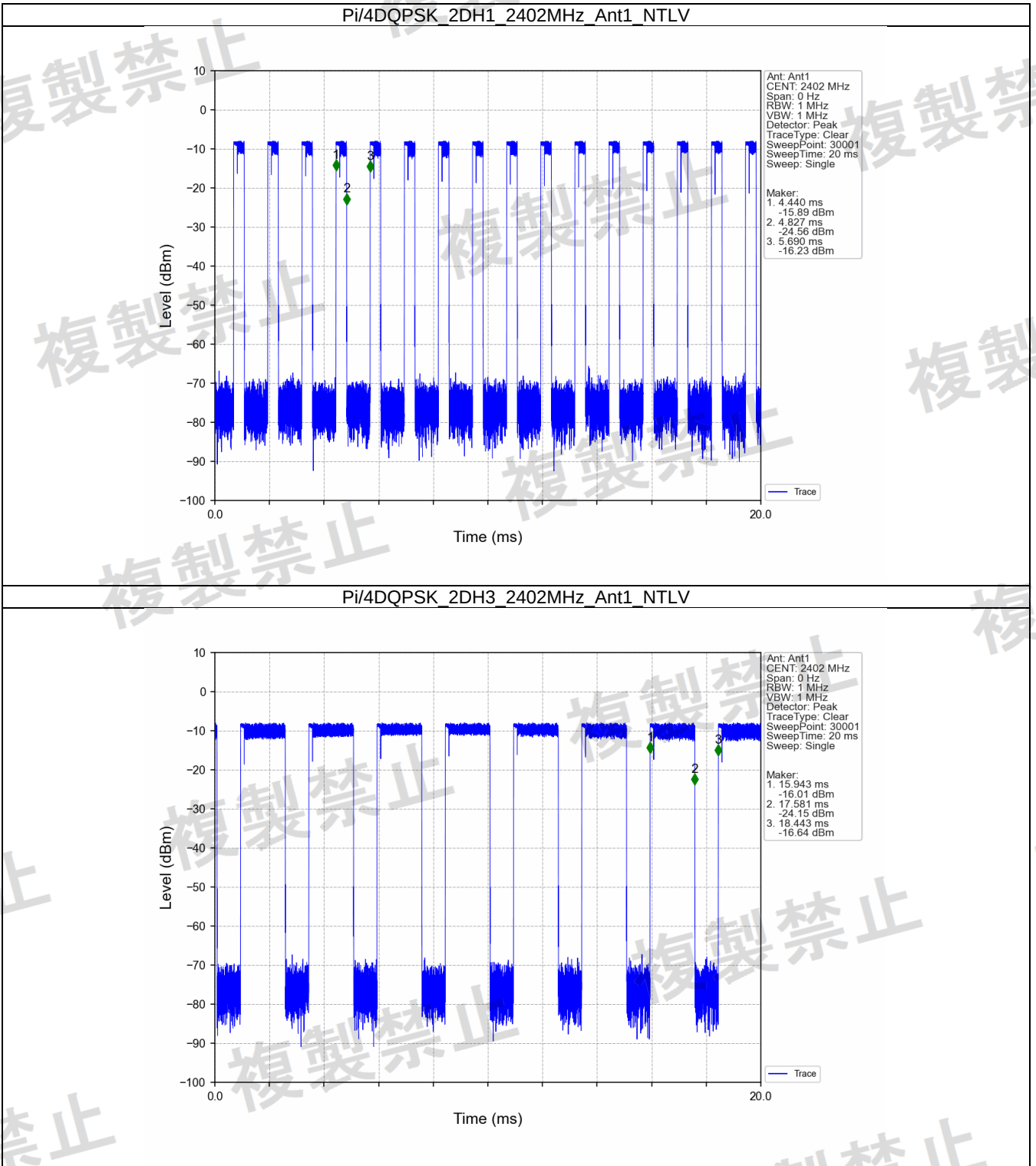


GFSK_DH3_2480MHz_Ant1_NTLV

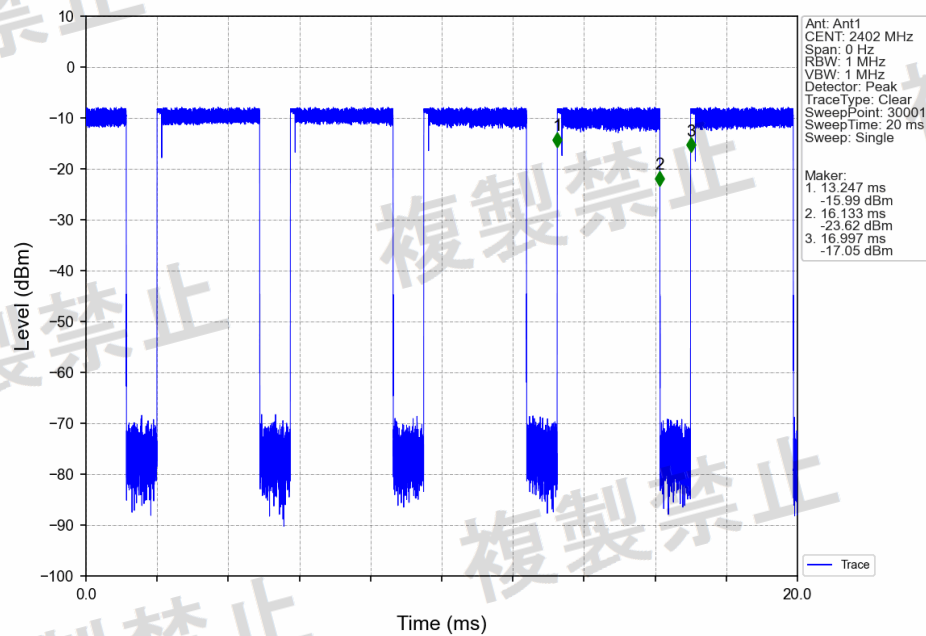


GFSK_DH5_2480MHz_Ant1_NTLV

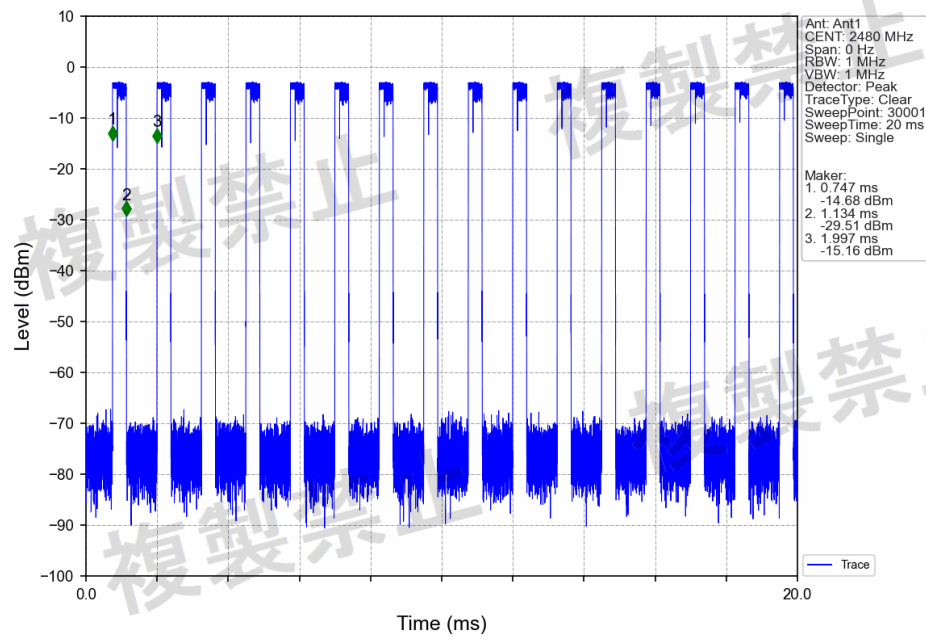


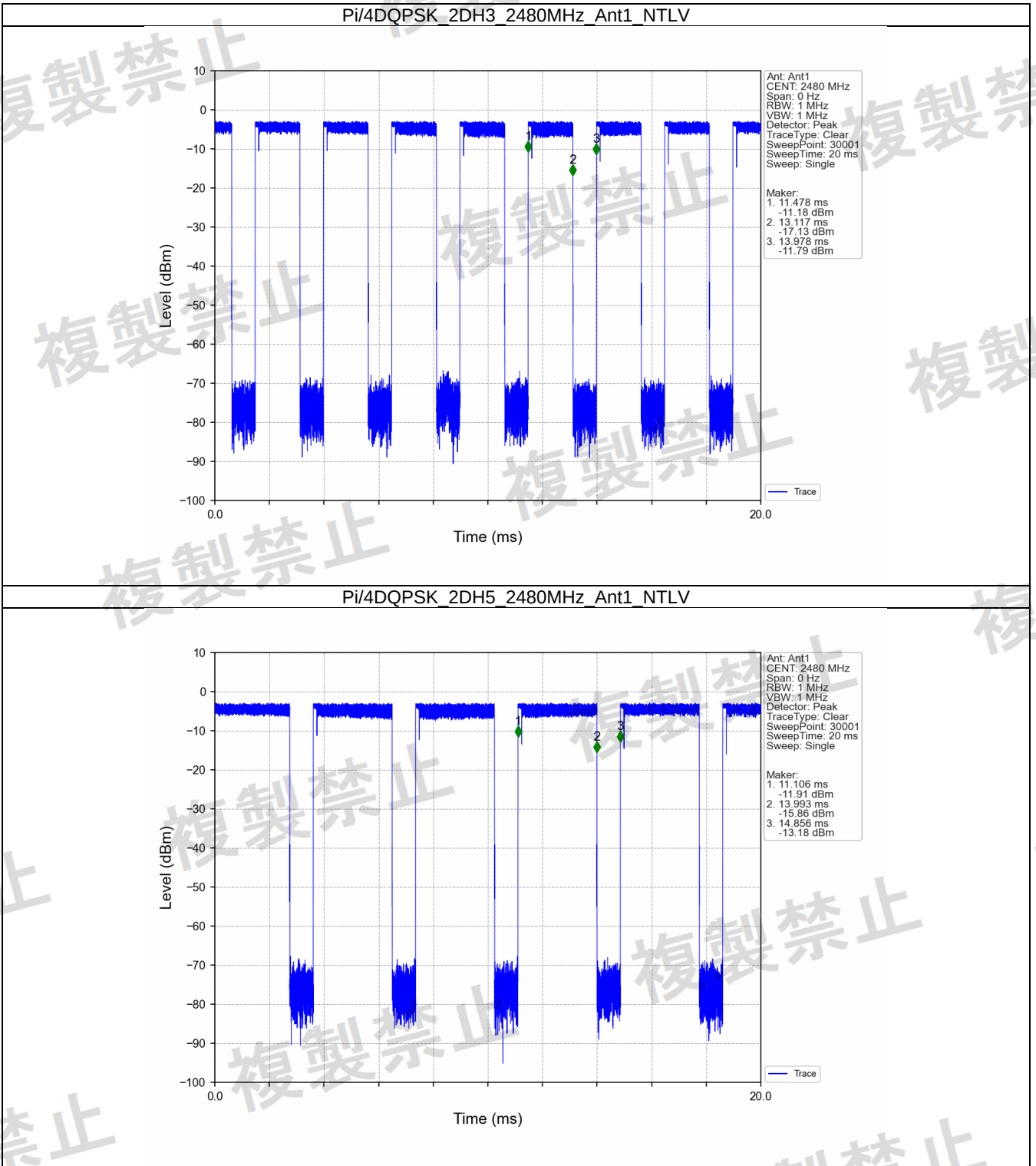


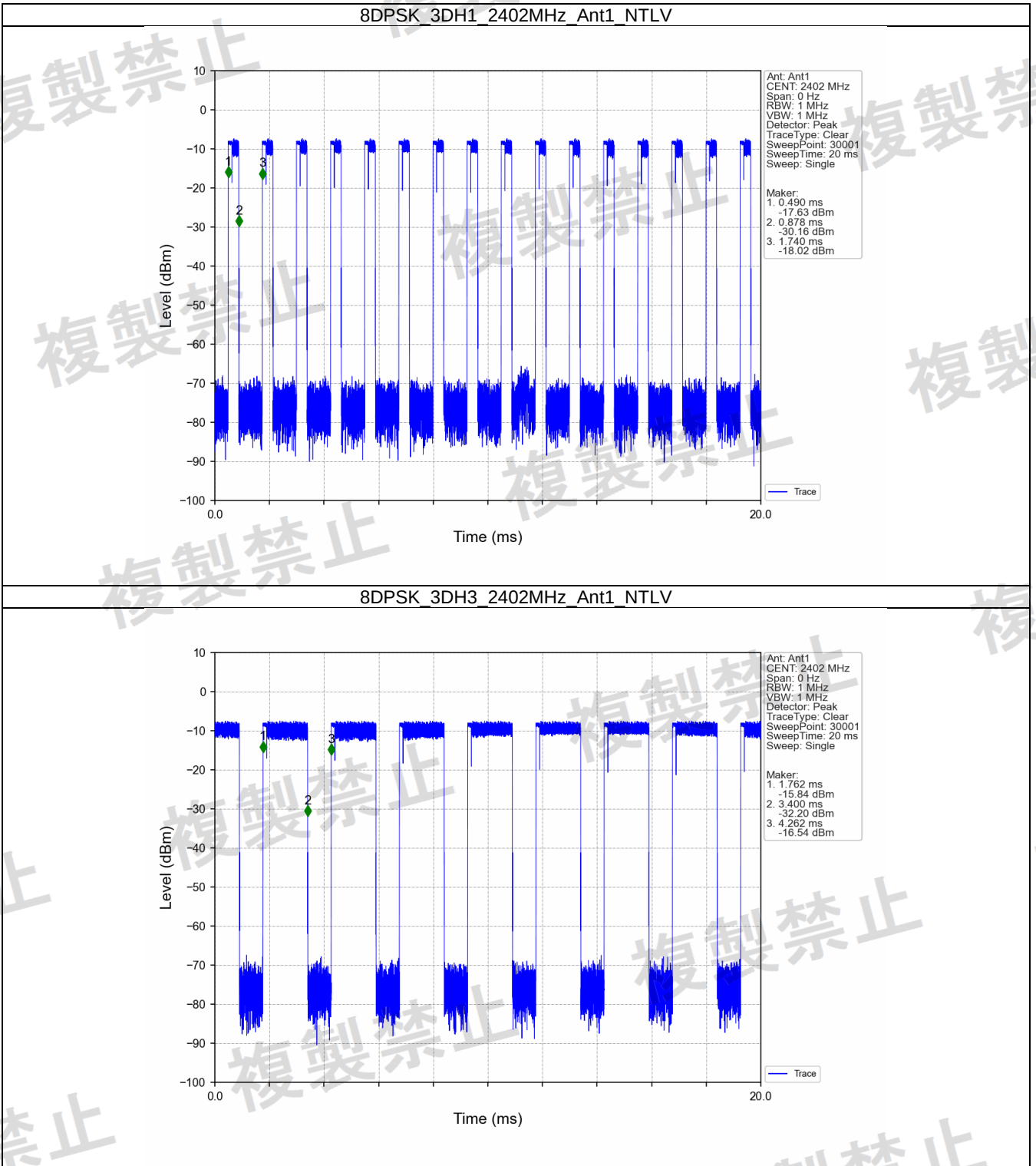
Pi/4DQPSK_2DH5_2402MHz_Ant1_NTLV

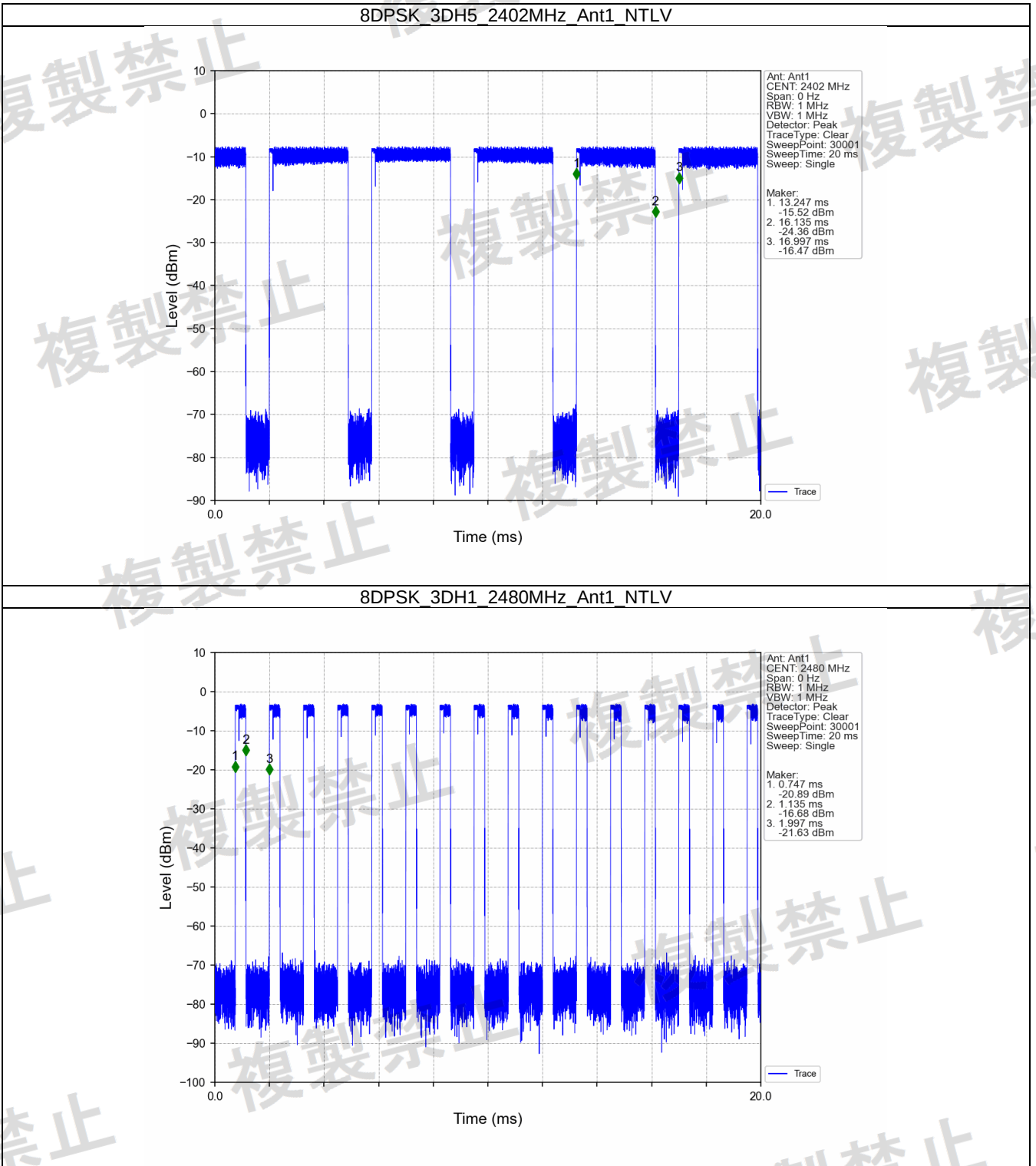


Pi/4DQPSK_2DH1_2480MHz_Ant1_NTLV

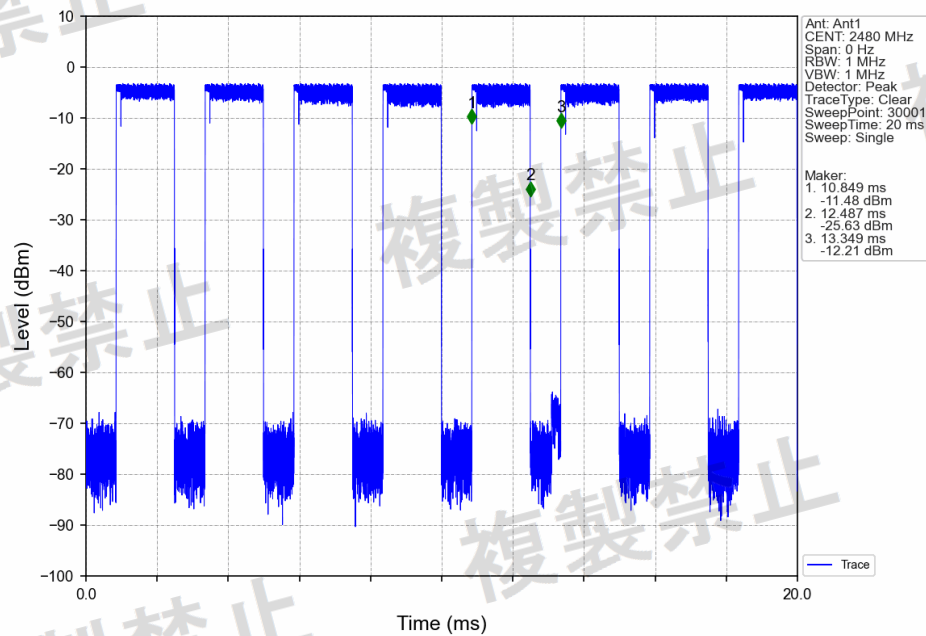




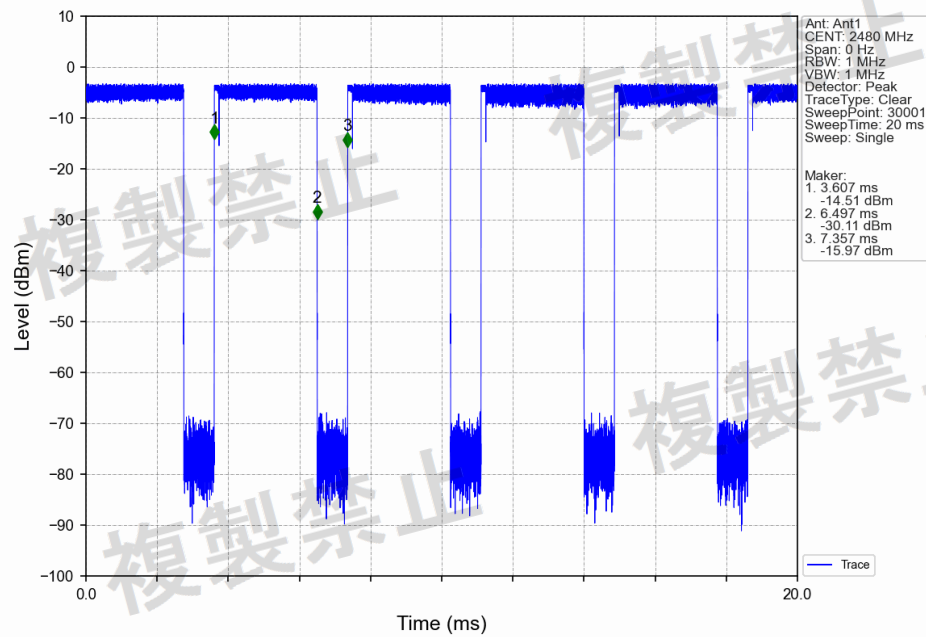




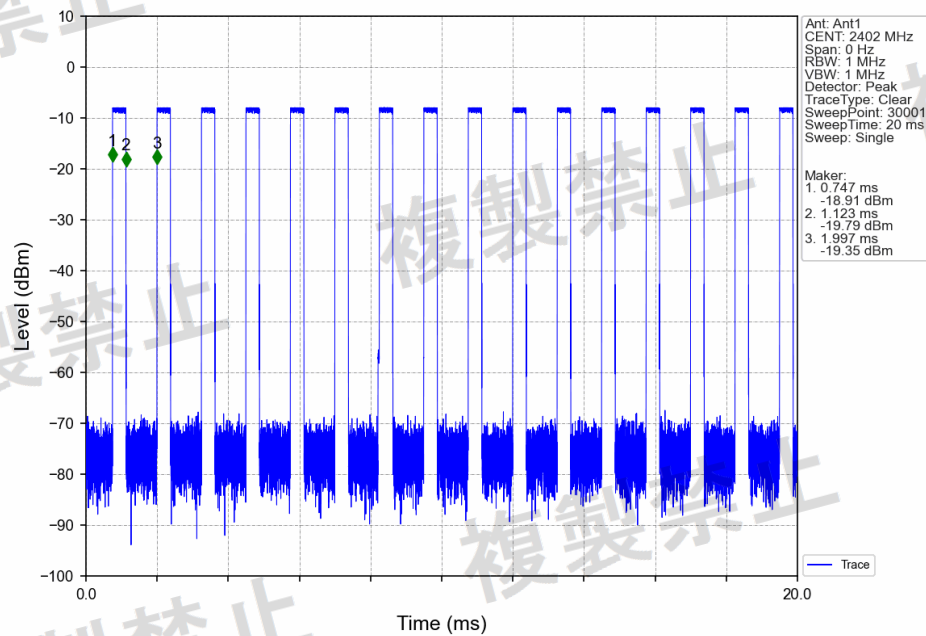
8DPSK_3DH3_2480MHz_Ant1_NTLV



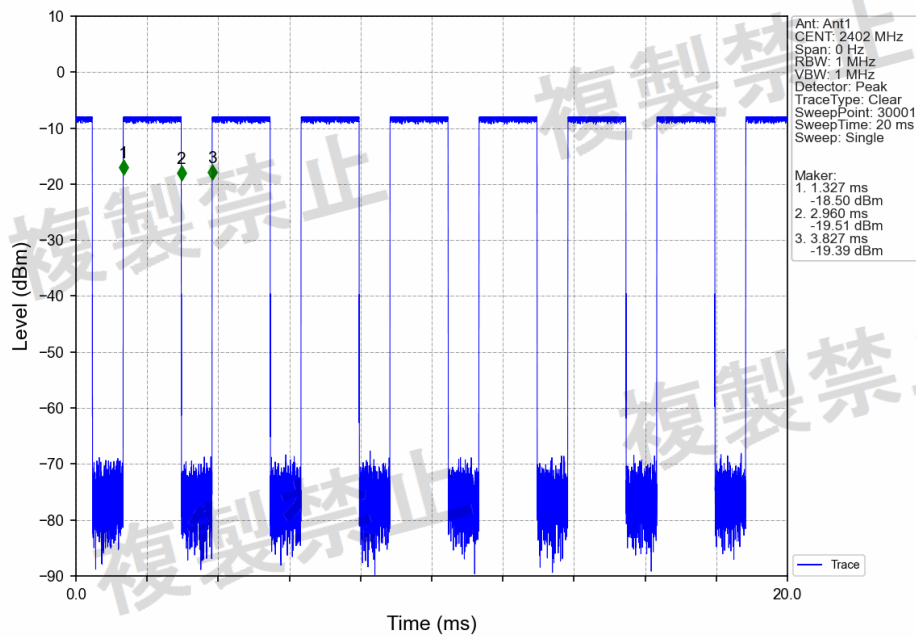
8DPSK_3DH5_2480MHz_Ant1_NTLV



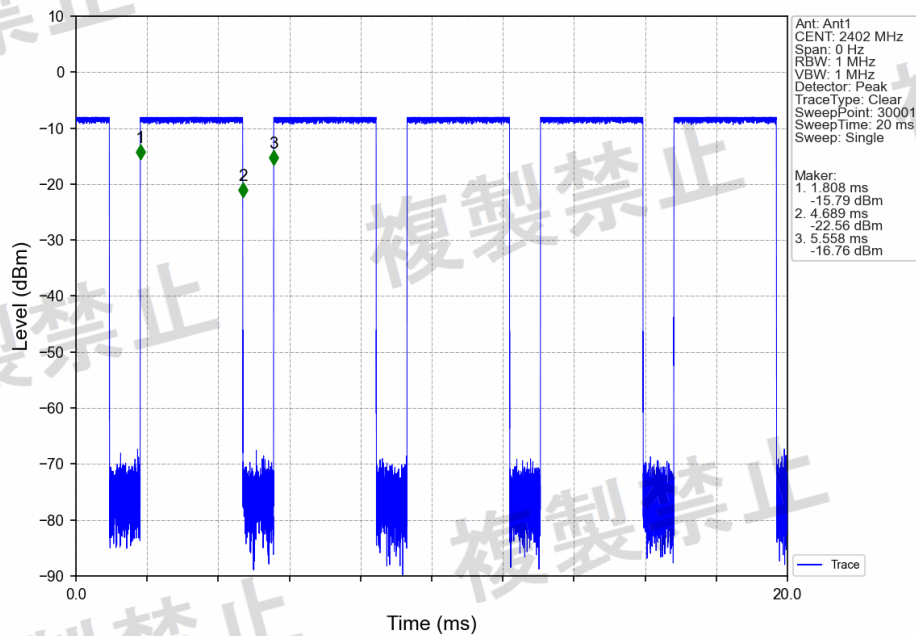
GFSK_DH1_2402MHz_Ant1_NTHV



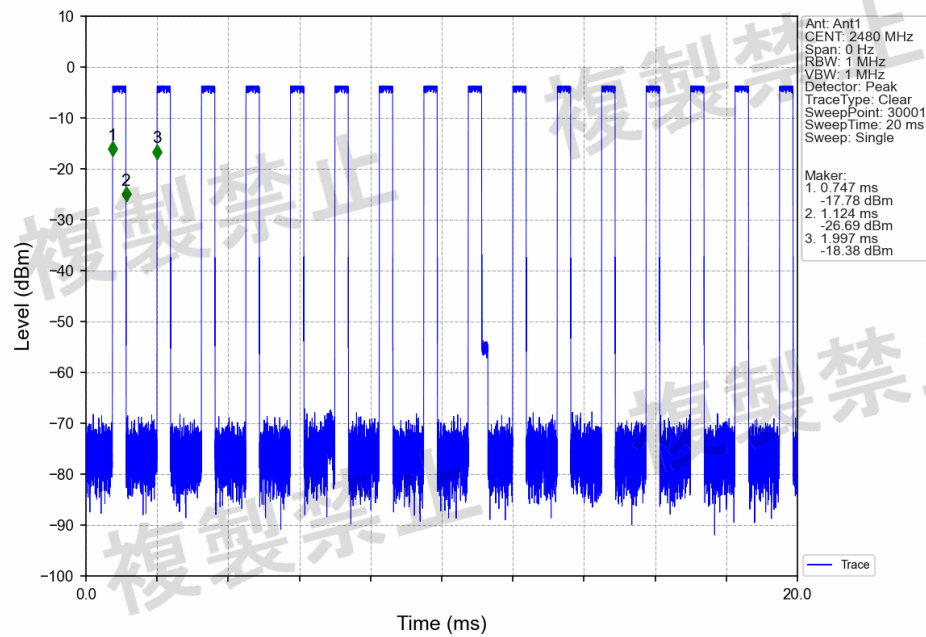
GFSK_DH3_2402MHz_Ant1_NTHV



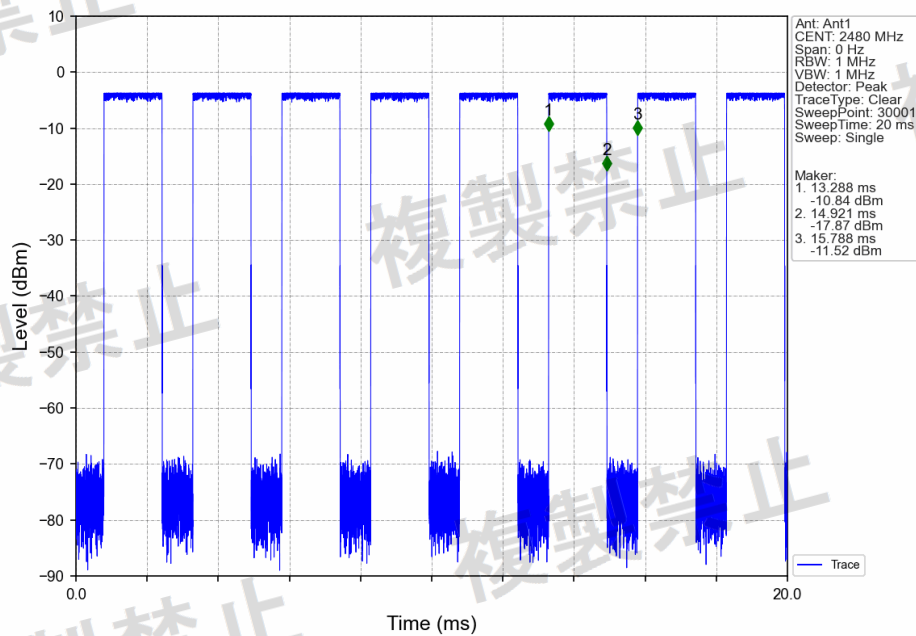
GFSK_DH5_2402MHz_Ant1_NTHV



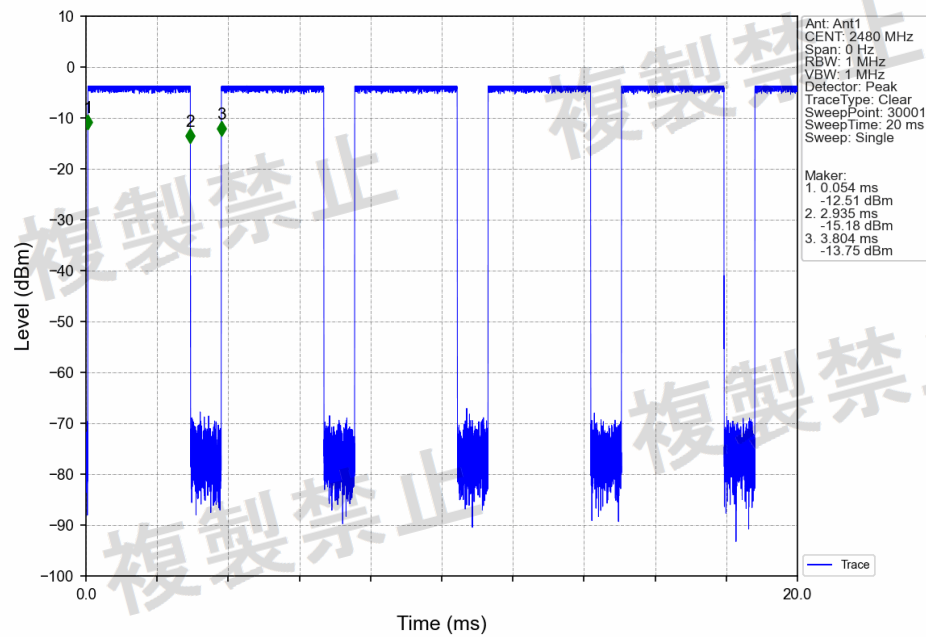
GFSK_DH1_2480MHz_Ant1_NTHV



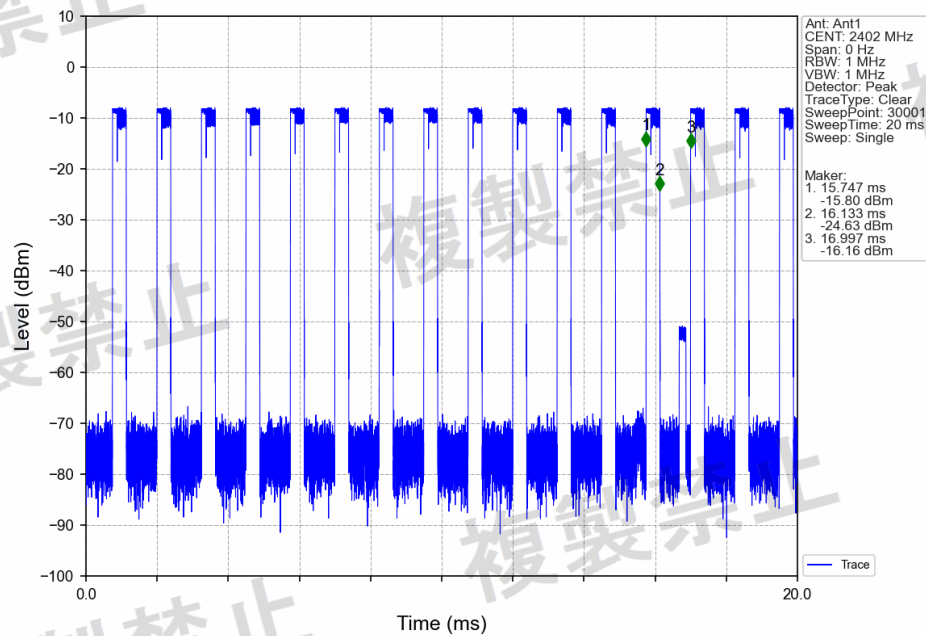
GFSK_DH3_2480MHz_Ant1_NTHV



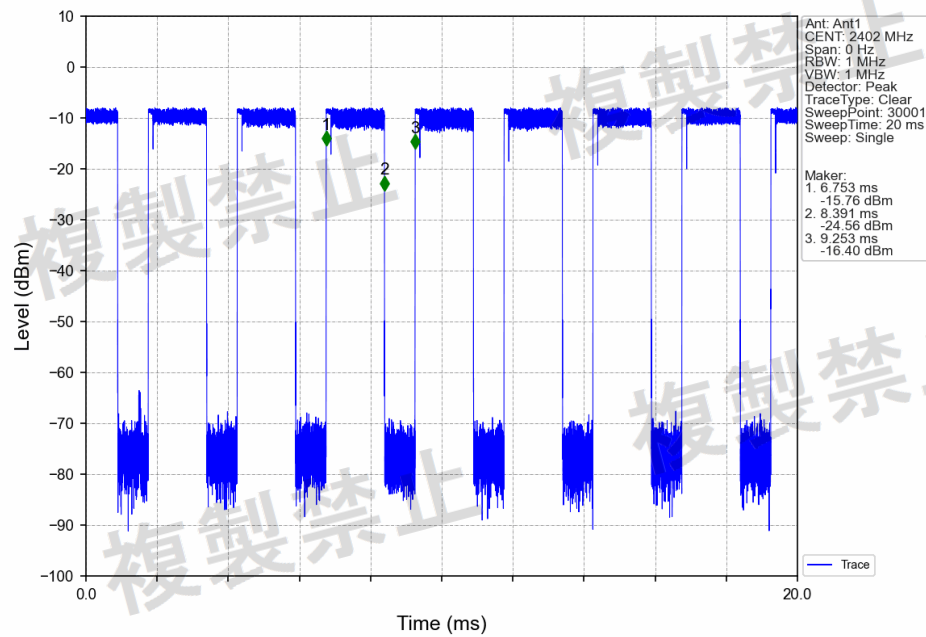
GFSK_DH5_2480MHz_Ant1_NTHV

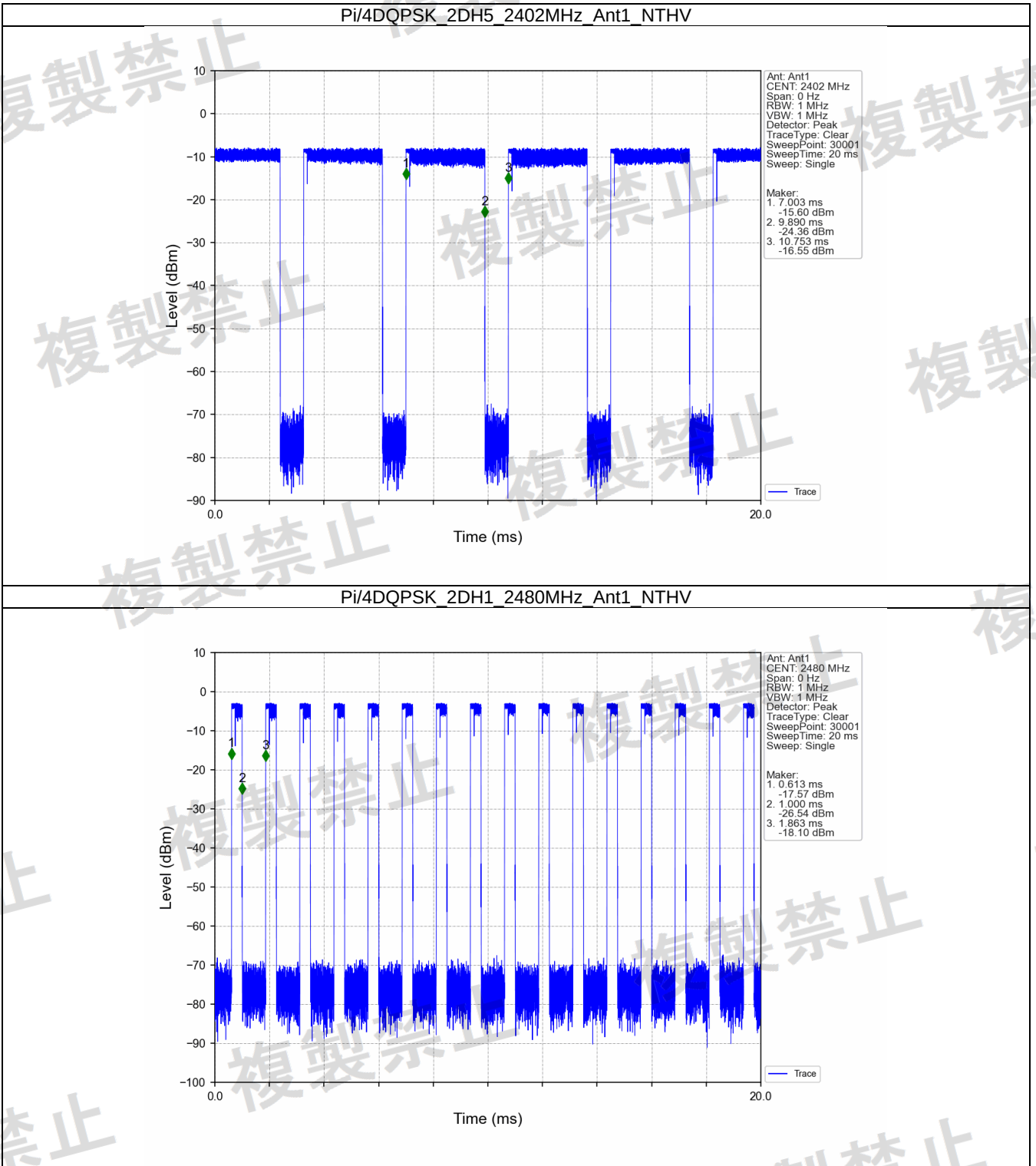


Pi/4DQPSK_2DH1_2402MHz_Ant1_NTHV

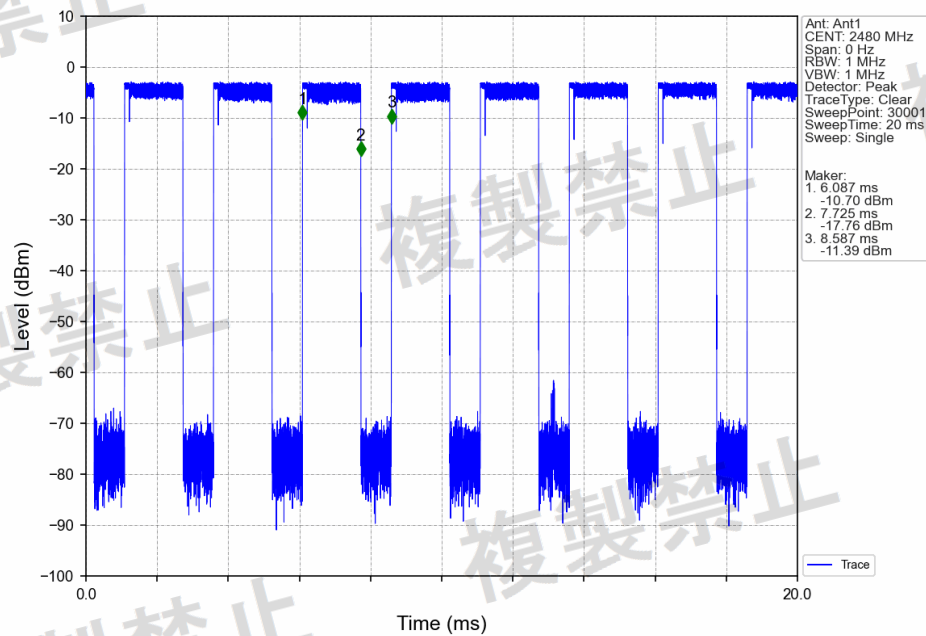


Pi/4DQPSK_2DH3_2402MHz_Ant1_NTHV

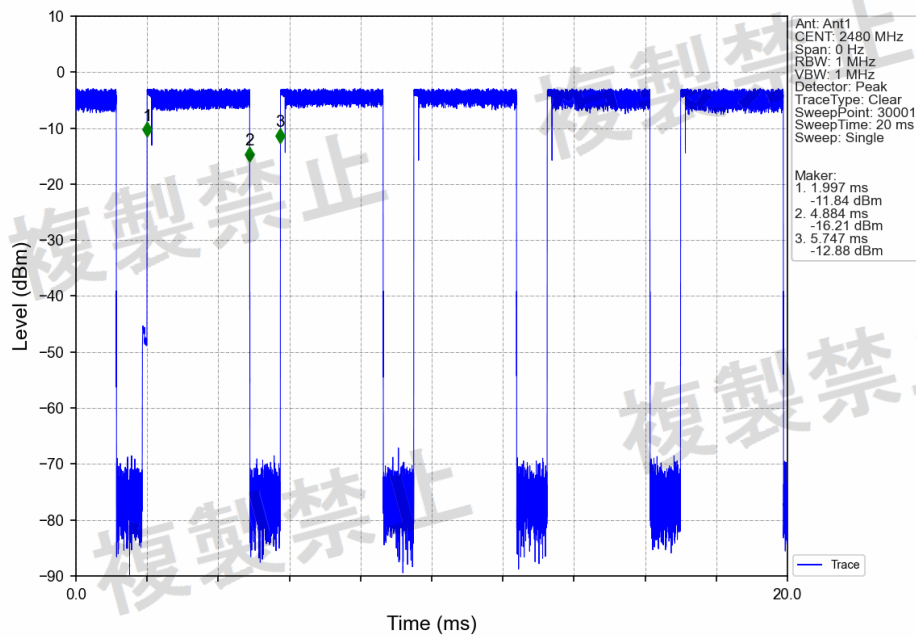




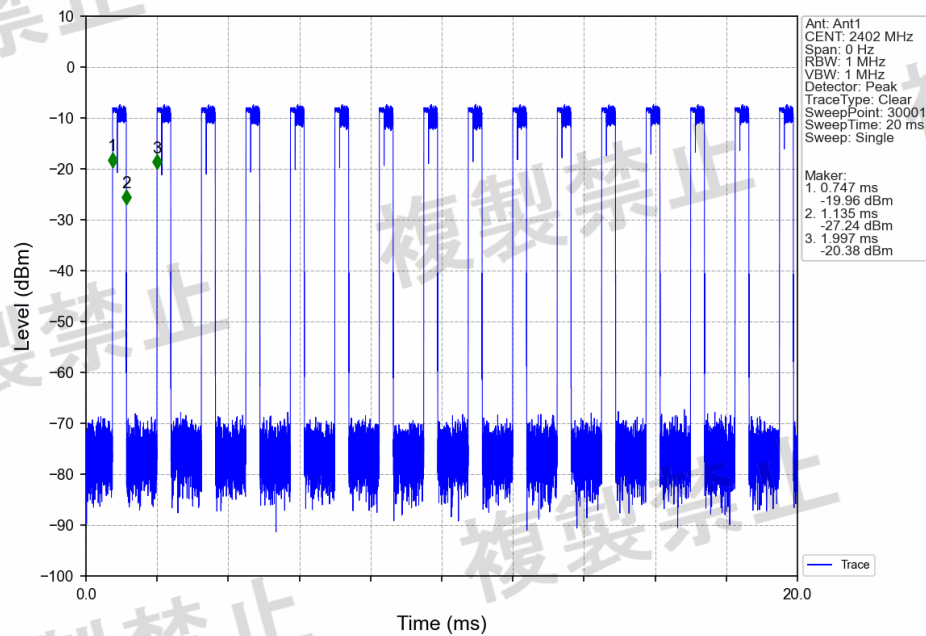
Pi/4DQPSK_2DH3_2480MHz_Ant1_NTHV



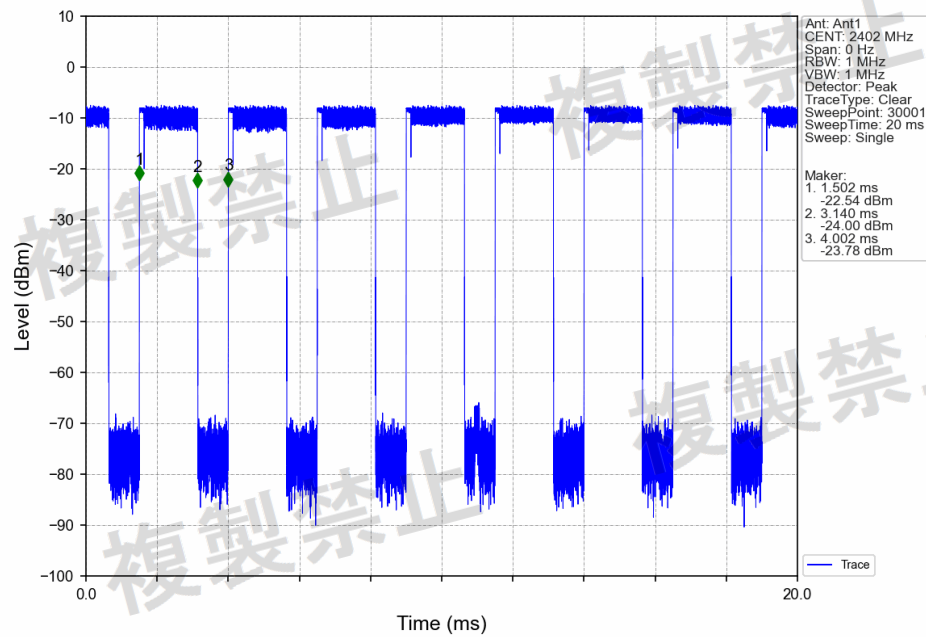
Pi/4DQPSK_2DH5_2480MHz_Ant1_NTHV

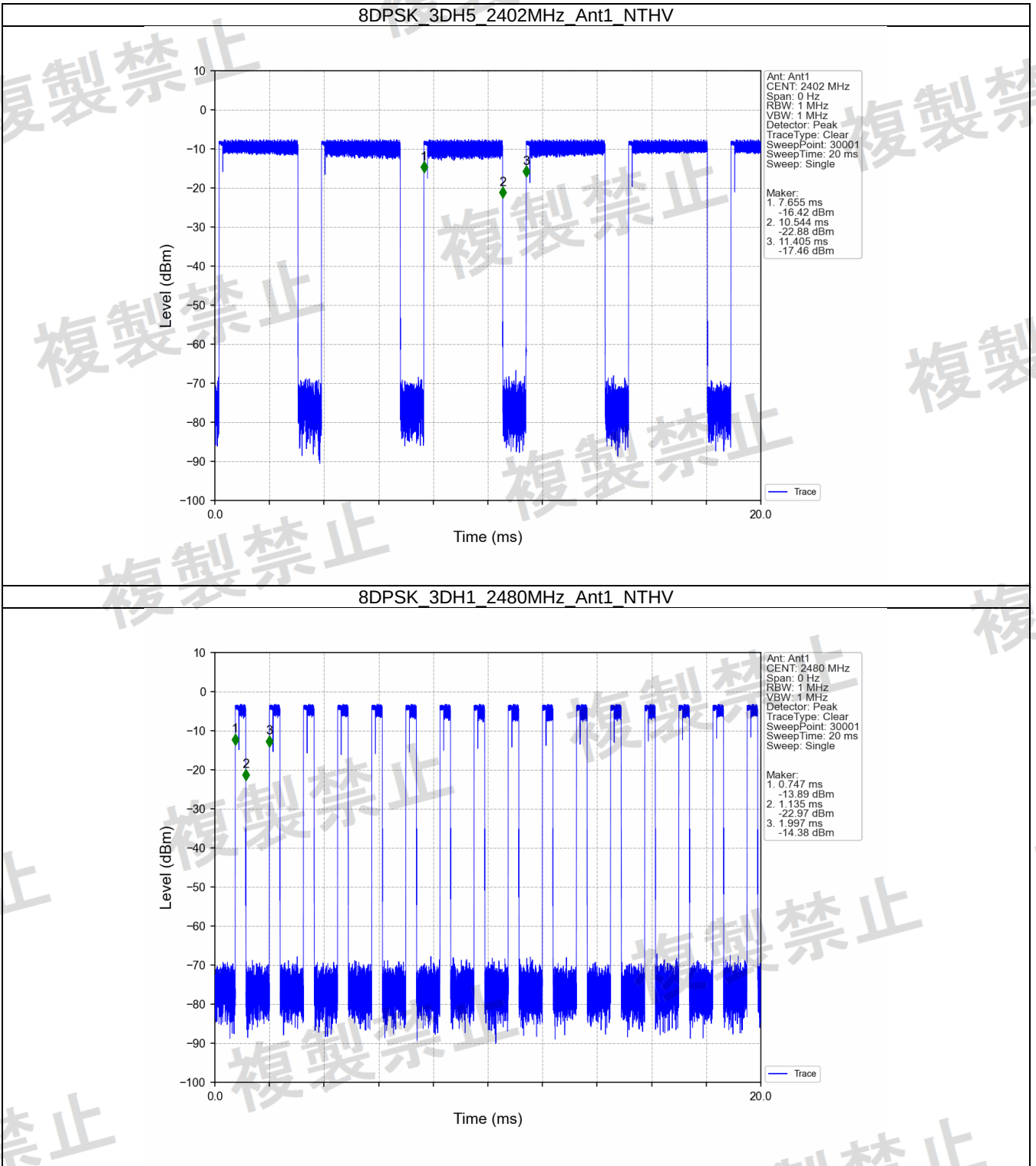


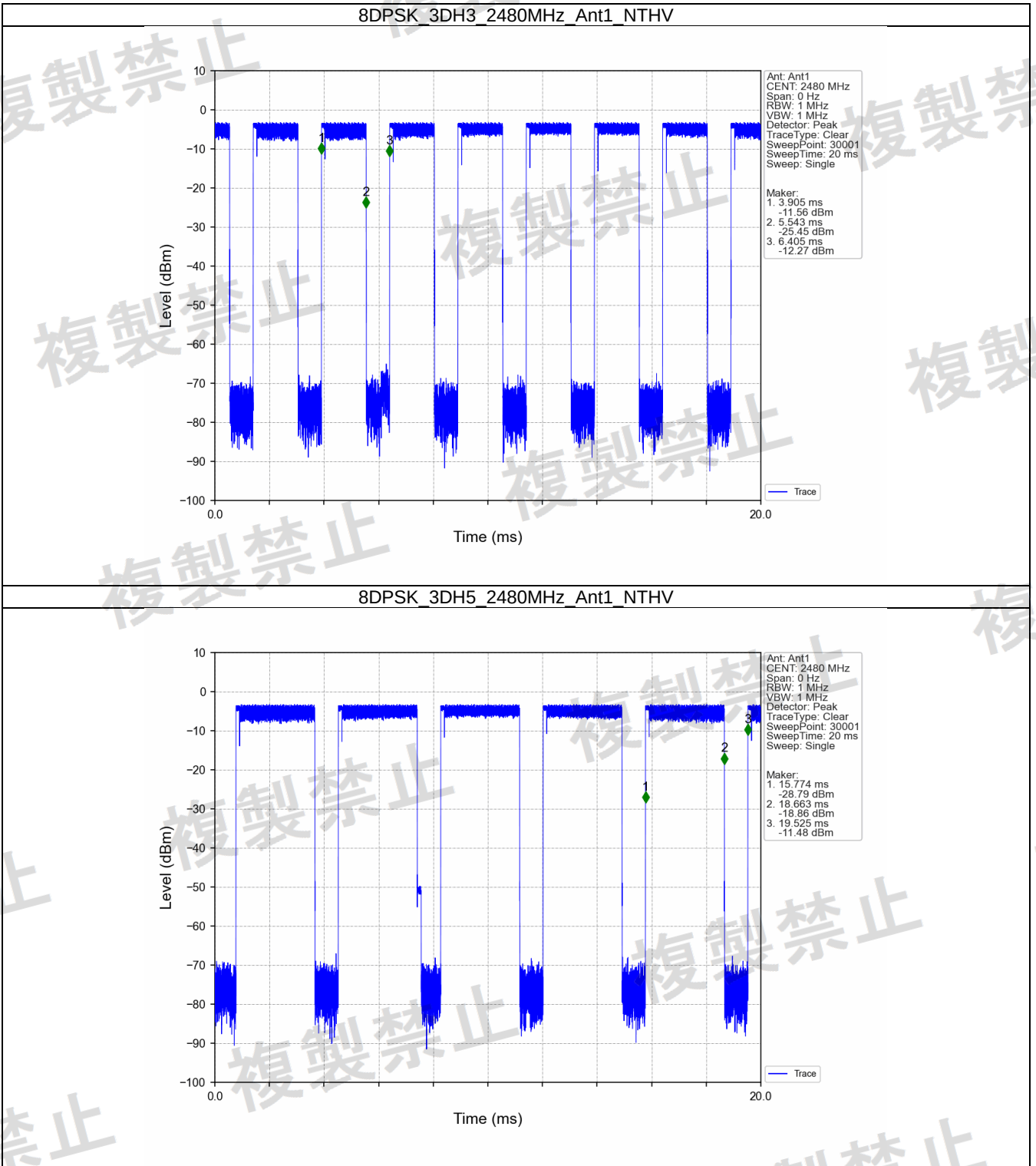
8DPSK_3DH1_2402MHz_Ant1_NTHV



8DPSK_3DH3_2402MHz_Ant1_NTHV







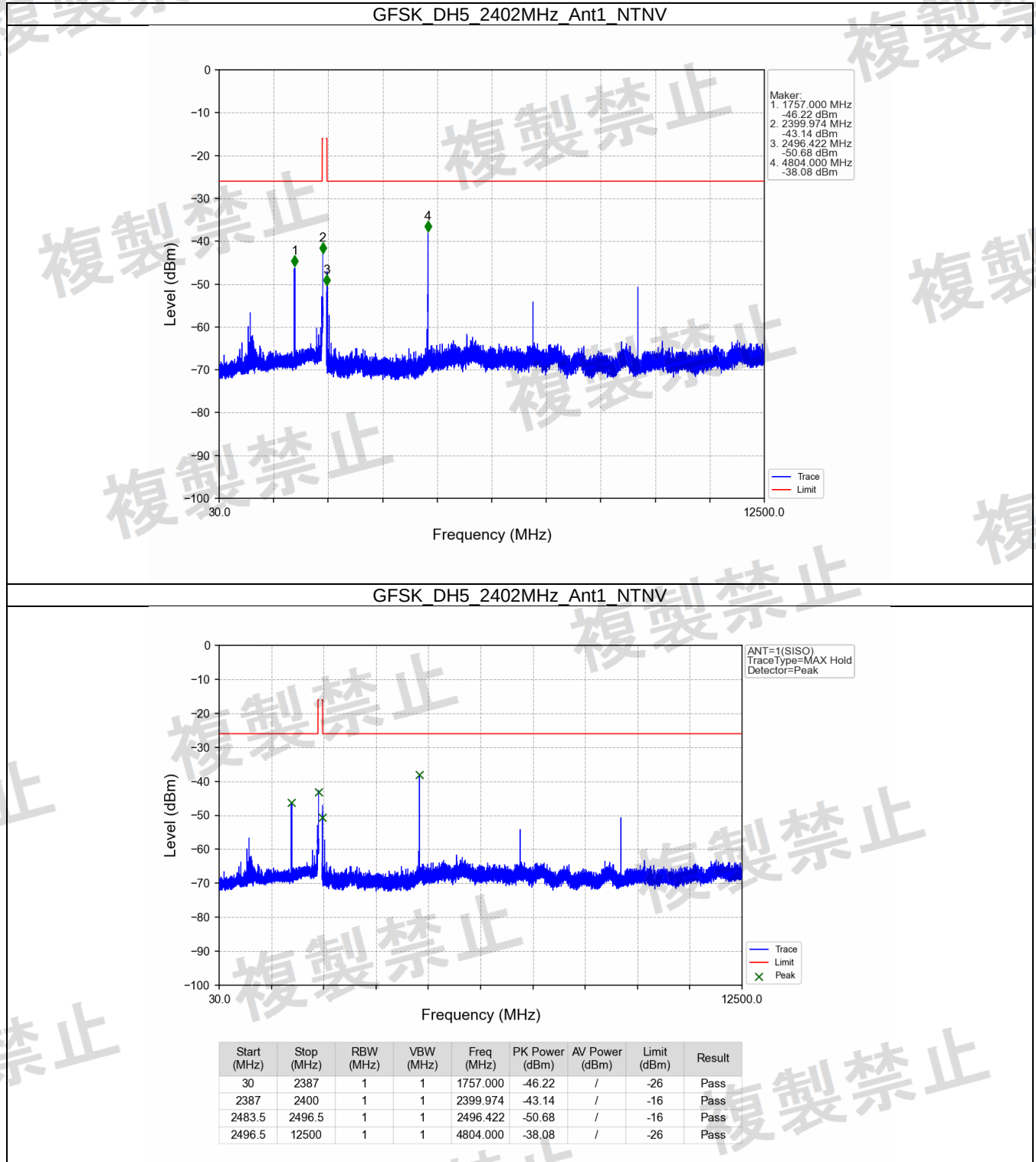
8DPSK	SISO	2402	1	2387	2400	2399.402	-64.46	0.000	/	/	25	Pass
				2483.5	2496.5	2483.526	-47.34	0.018	/	/	25	Pass
				2496.5	12500	4960	-37.98	0.159	/	/	2.5	Pass
				30	2387	1746.5	-43.53	0.044	/	/	2.5	Pass
		2480	1	2387	2400	2399.974	-34.74	0.336	/	/	25	Pass
				2483.5	2496.5	2496.357	-50.57	0.009	/	/	25	Pass
				2496.5	12500	4804	-39.39	0.115	/	/	2.5	Pass
				30	2387	1754	-36.78	0.210	/	/	2.5	Pass
				2387	2400	2398.778	-64.77	0.000	/	/	25	Pass
				2483.5	2496.5	2495.525	-50.64	0.009	/	/	25	Pass
				2496.5	12500	4960	-36.73	0.212	/	/	2.5	Pass

6.1.3 TxSe_NTHV

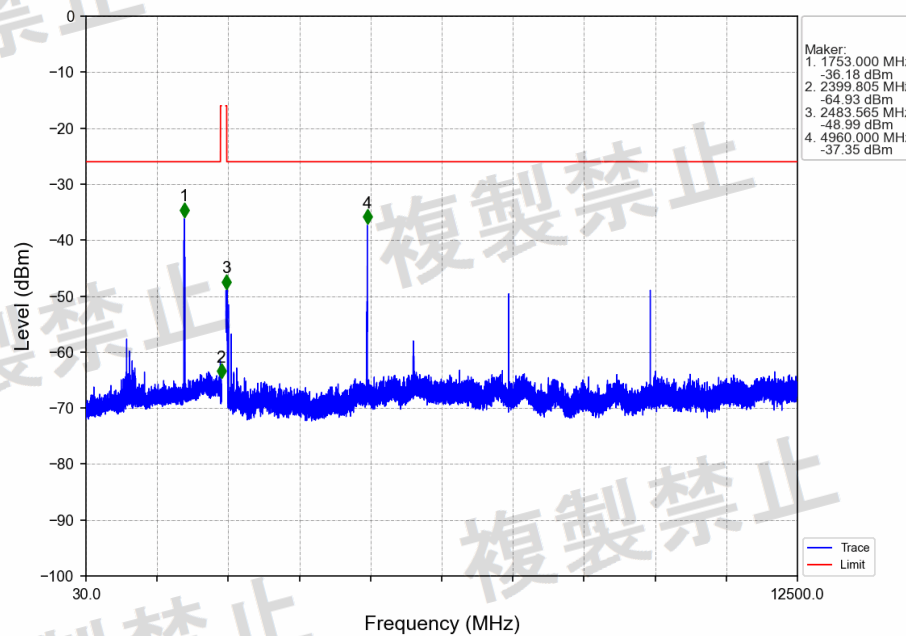
NTHV												
Mode	TX Type	Freq. (MHz)	ANT	Freq. Range		Marker					Limit (uW /MHz)	Verdict
				Start (MHz)	Stop (MHz)	Freq. (MHz)	PK Power (dBm /MHz)	PK Power (uW /MHz)	AV Power (dBm /MHz)	AV Power (uW /MHz)		
GFSK	SISO	2402	1	30	2387	1763.5	-39.11	0.123	/	/	2.5	Pass
				2387	2400	2399.987	-43.15	0.048	/	/	25	Pass
				2483.5	2496.5	2496.409	-50.15	0.010	/	/	25	Pass
				2496.5	12500	4804.5	-38.55	0.140	/	/	2.5	Pass
		2480	1	30	2387	1763.5	-38.65	0.136	/	/	2.5	Pass
				2387	2400	2390.887	-65.13	0.000	/	/	25	Pass
				2483.5	2496.5	2483.552	-49.37	0.012	/	/	25	Pass
				2496.5	12500	4960.5	-37.18	0.191	/	/	2.5	Pass
Pi/4DQPSK	SISO	2402	1	30	2387	1756	-32.55	0.556	/	/	2.5	Pass
				2387	2400	2399.974	-35.09	0.310	/	/	25	Pass
				2483.5	2496.5	2496.331	-49.55	0.011	/	/	25	Pass
				2496.5	12500	4804	-38.78	0.132	/	/	2.5	Pass
		2480	1	30	2387	1753.5	-45.38	0.029	/	/	2.5	Pass
				2387	2400	2399.948	-64.90	0.000	/	/	25	Pass
				2483.5	2496.5	2483.526	-47.75	0.017	/	/	25	Pass
				2496.5	12500	4960	-37.48	0.179	/	/	2.5	Pass
8DPSK	SISO	2402	1	30	2387	1746.5	-42.76	0.053	/	/	2.5	Pass
				2387	2400	2399.974	-34.40	0.363	/	/	25	Pass
				2483.5	2496.5	2496.5	-49.52	0.011	/	/	25	Pass
				2496.5	12500	4804.5	-38.08	0.156	/	/	2.5	Pass
		2480	1	30	2387	1746.5	-39.97	0.101	/	/	2.5	Pass
				2387	2400	2395.567	-65.51	0.000	/	/	25	Pass
				2483.5	2496.5	2494.42	-50.88	0.008	/	/	25	Pass
				2496.5	12500	4960.5	-37.51	0.177	/	/	2.5	Pass

6.2 Test Graph

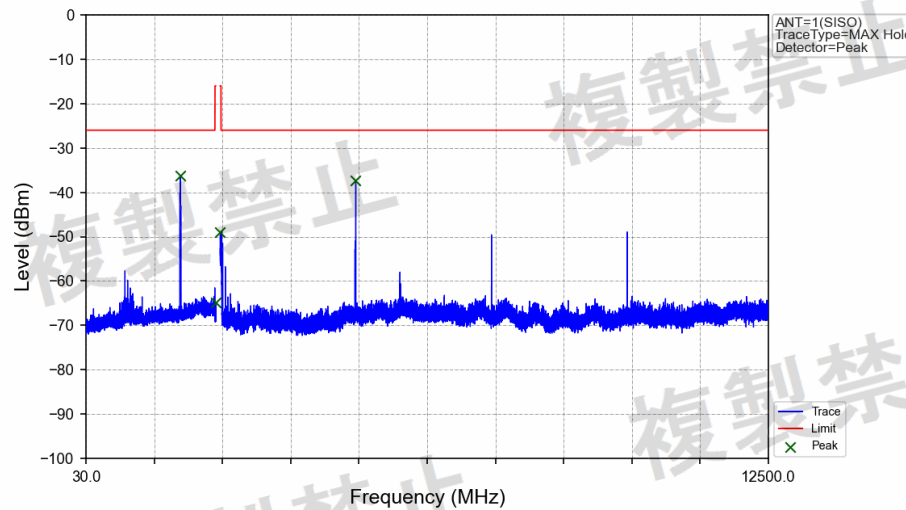
6.2.1 TxSe_NTNV



GFSK_DH5_2480MHz_Ant1_NTNV

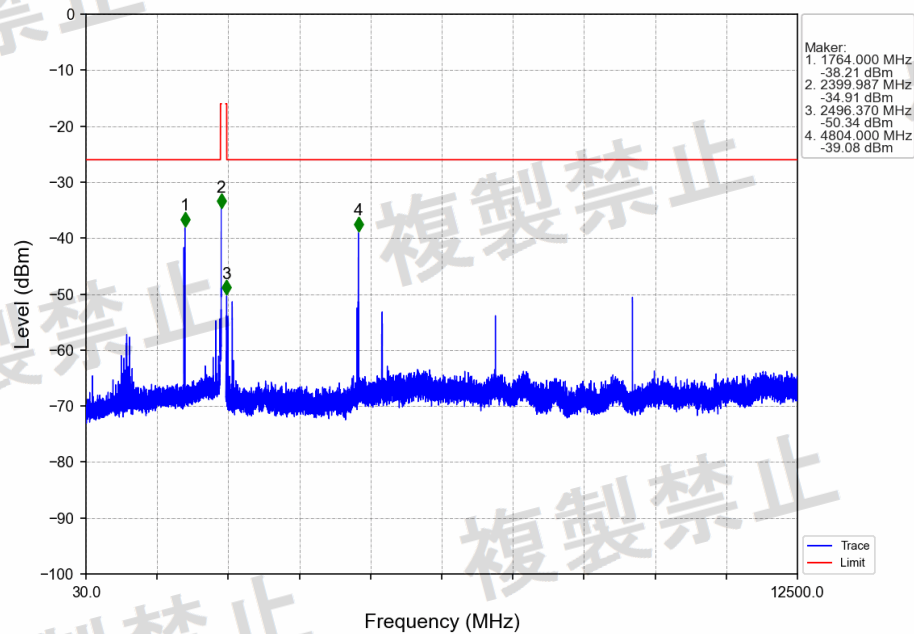


GFSK_DH5_2480MHz_Ant1_NTNV

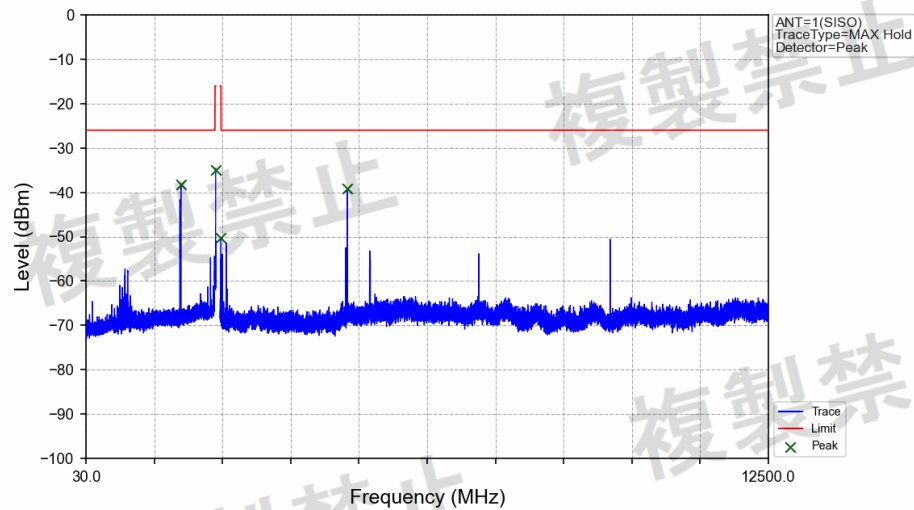


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	1753.000	-36.18	/	-26	Pass
2387	2400	1	1	2399.805	-64.93	/	-16	Pass
2483.5	2496.5	1	1	2483.565	-48.99	/	-16	Pass
2496.5	12500	1	1	4960.000	-37.35	/	-26	Pass

Pi/4DQPSK_2DH5_2402MHz_Ant1_NTNV

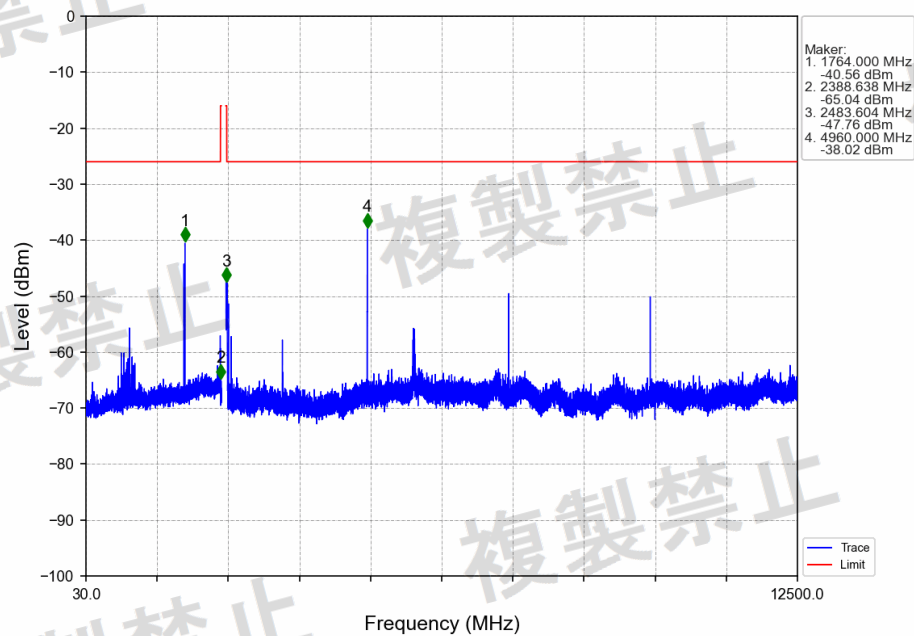


Pi/4DQPSK_2DH5_2402MHz_Ant1_NTNV

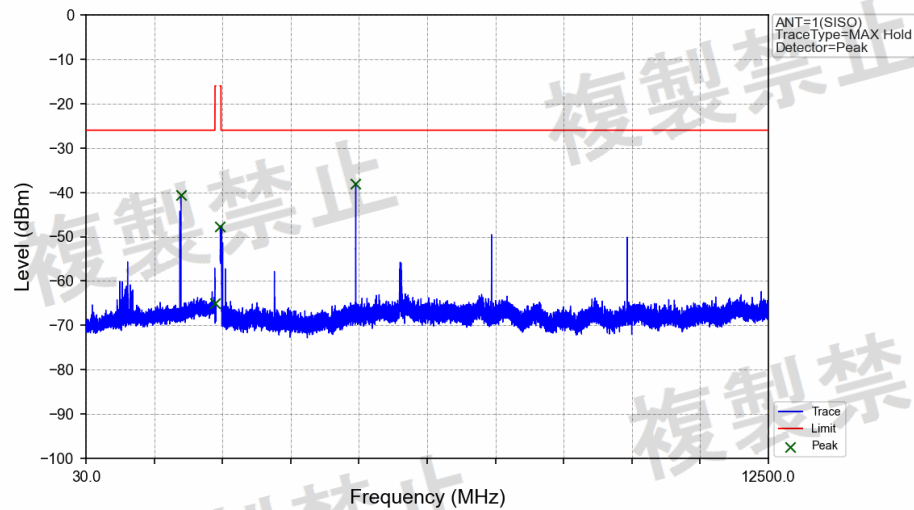


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	1764.000	-38.21	/	-26	Pass
2387	2400	1	1	2399.987	-34.91	/	-16	Pass
2483.5	2496.5	1	1	2496.370	-50.34	/	-16	Pass
2496.5	12500	1	1	4804.000	-39.08	/	-26	Pass

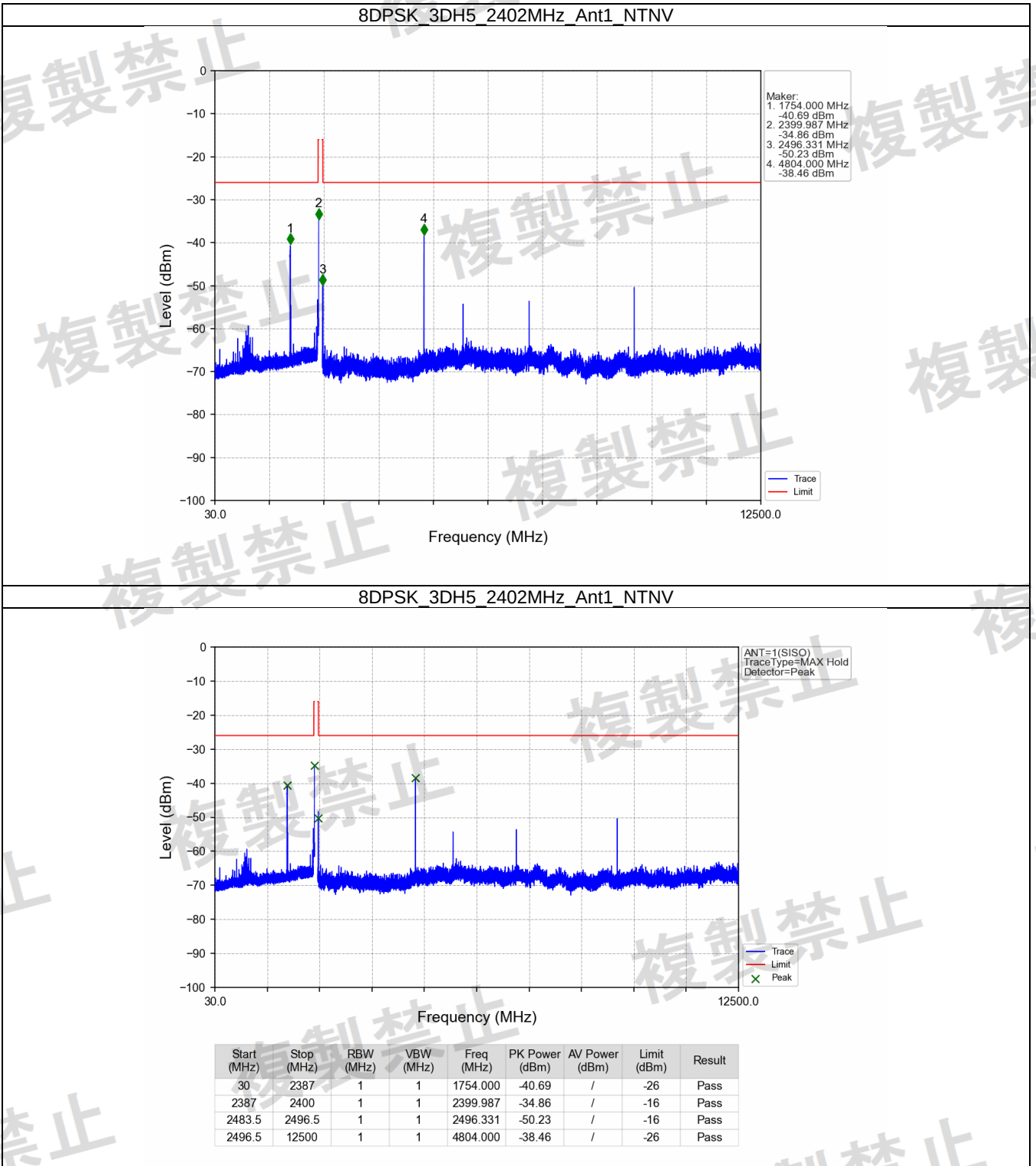
Pi/4DQPSK_2DH5_2480MHz_Ant1_NTNV

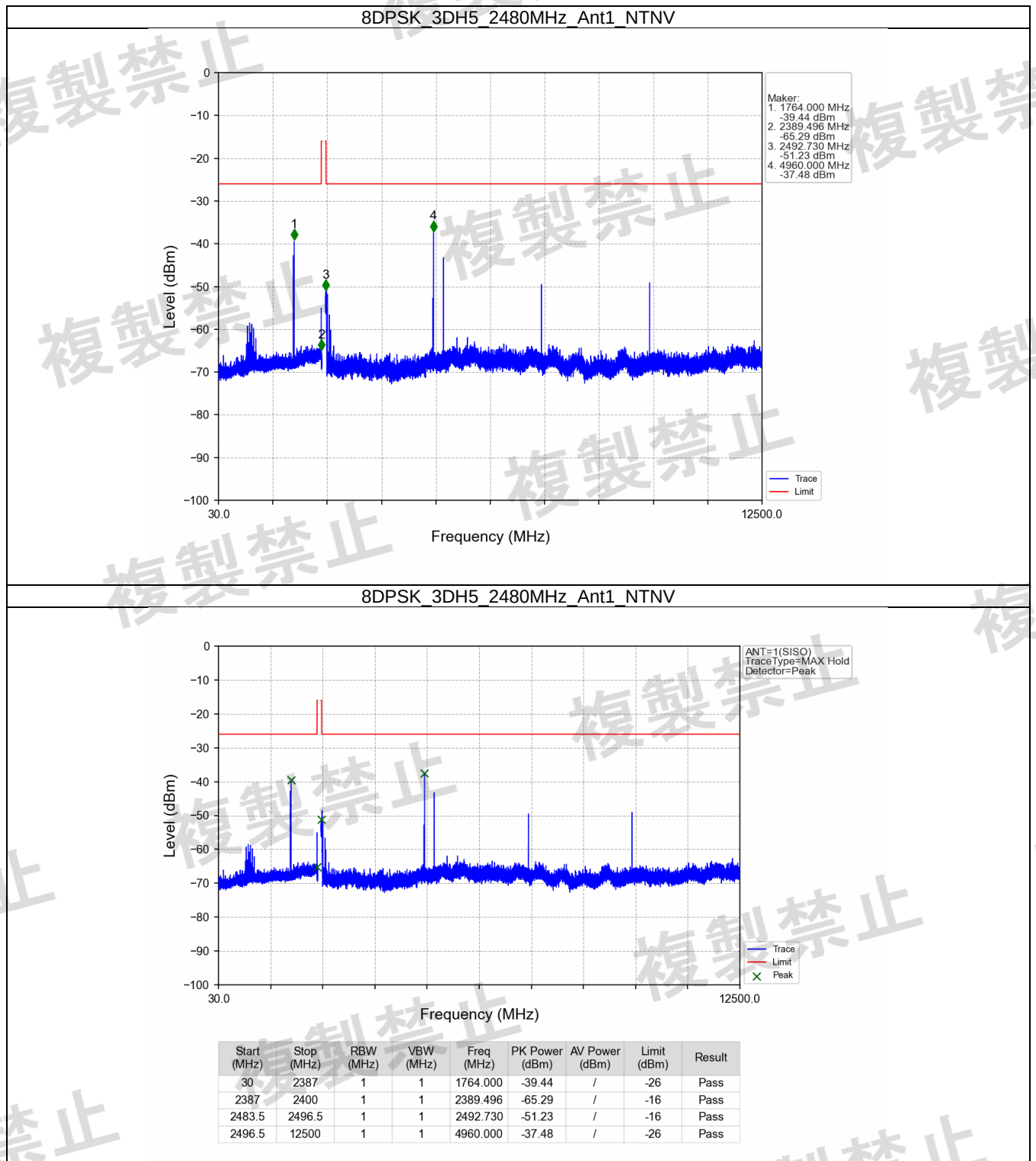


Pi/4DQPSK_2DH5_2480MHz_Ant1_NTNV

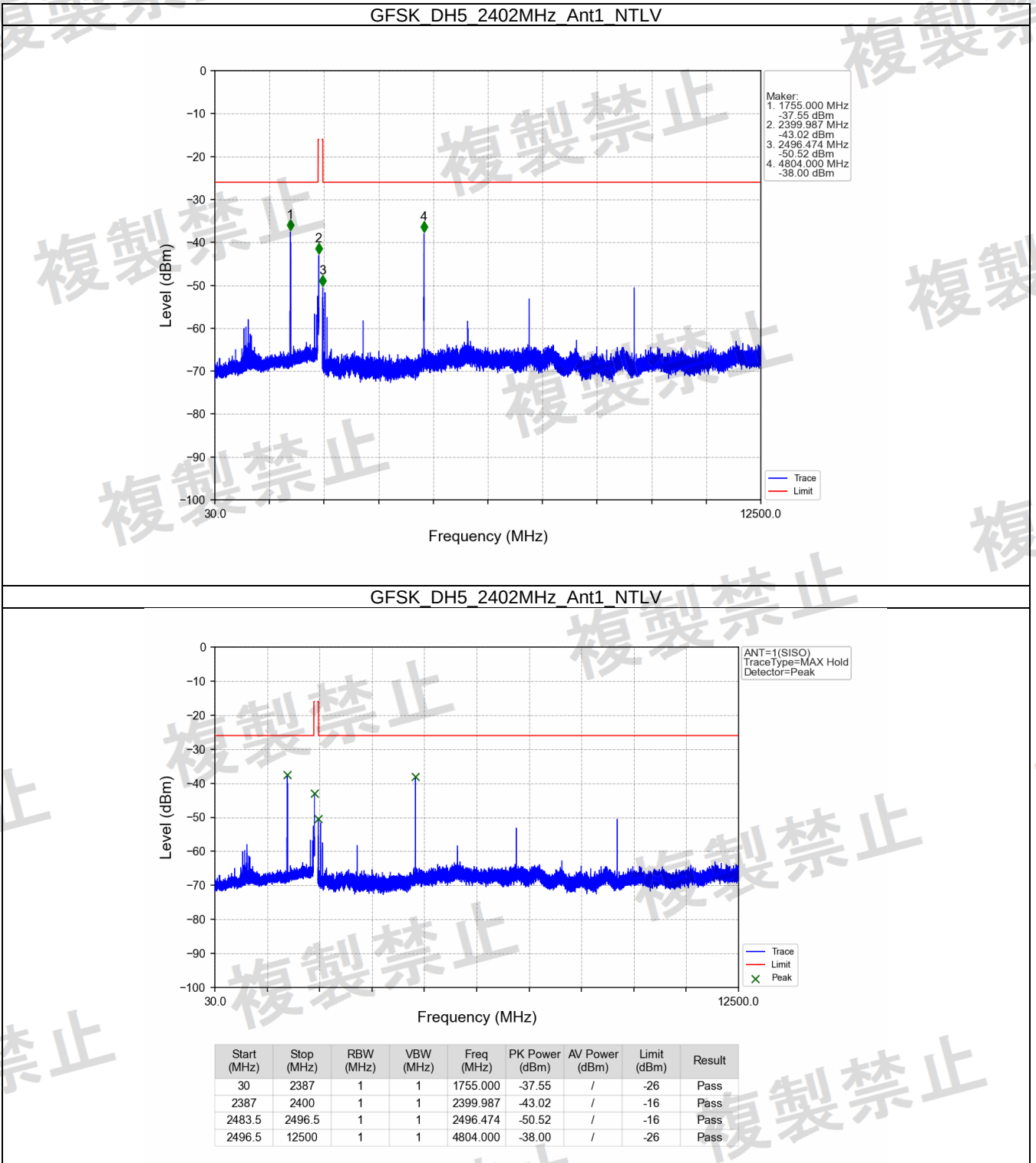


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	1764.000	-40.56	/	-26	Pass
2387	2400	1	1	2388.638	-65.04	/	-16	Pass
2483.5	2496.5	1	1	2483.604	-47.76	/	-16	Pass
2496.5	12500	1	1	4960.000	-38.02	/	-26	Pass

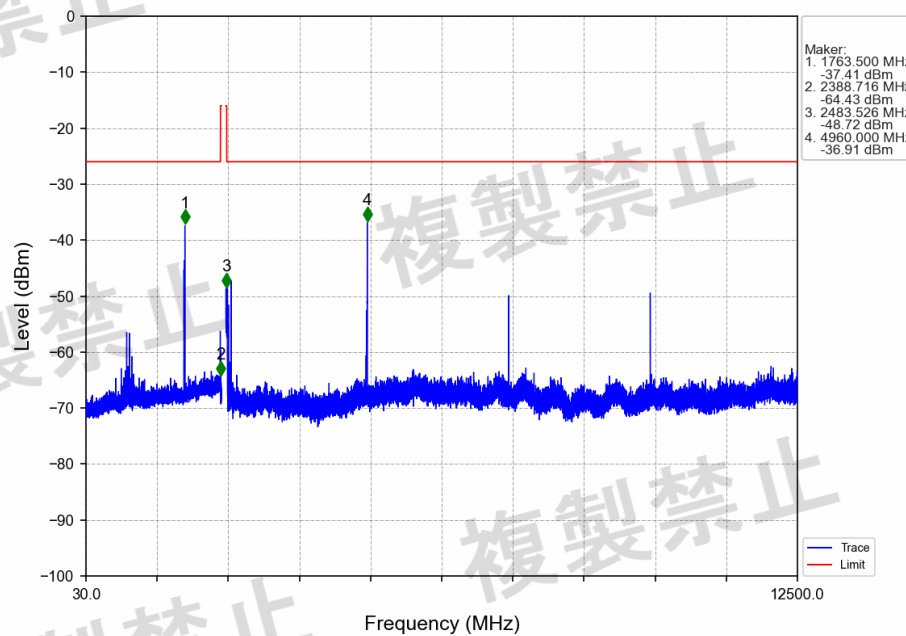




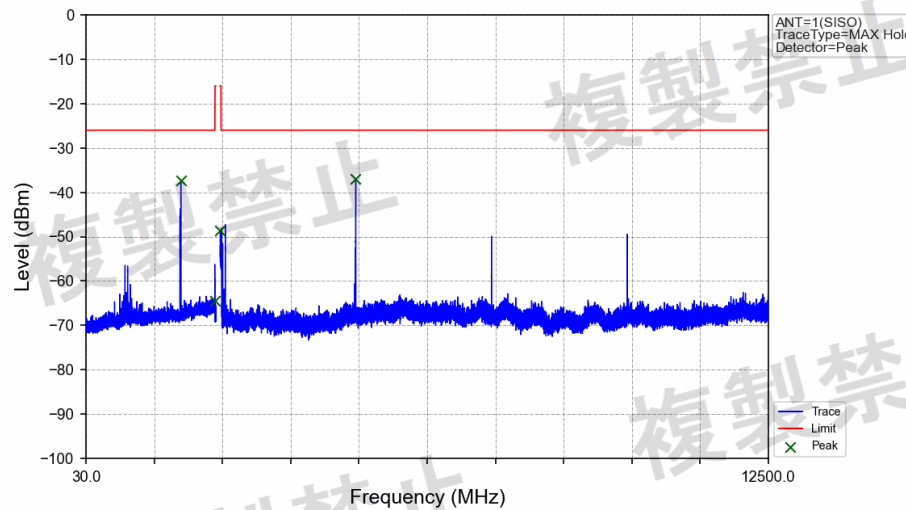
6.2.2 TxSe_NTLV



GFSK_DH5_2480MHz_Ant1_NTLV

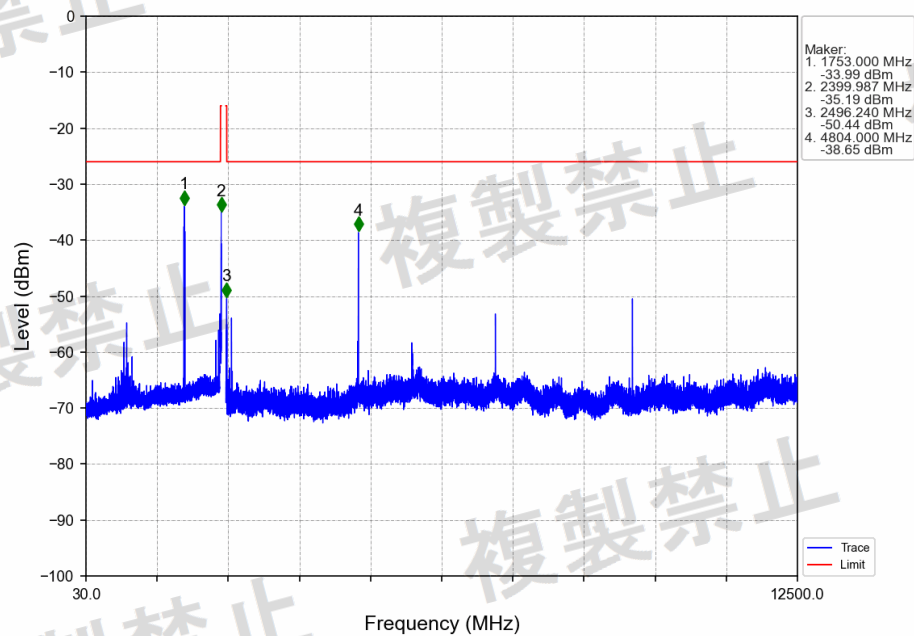


GFSK_DH5_2480MHz_Ant1_NTLV

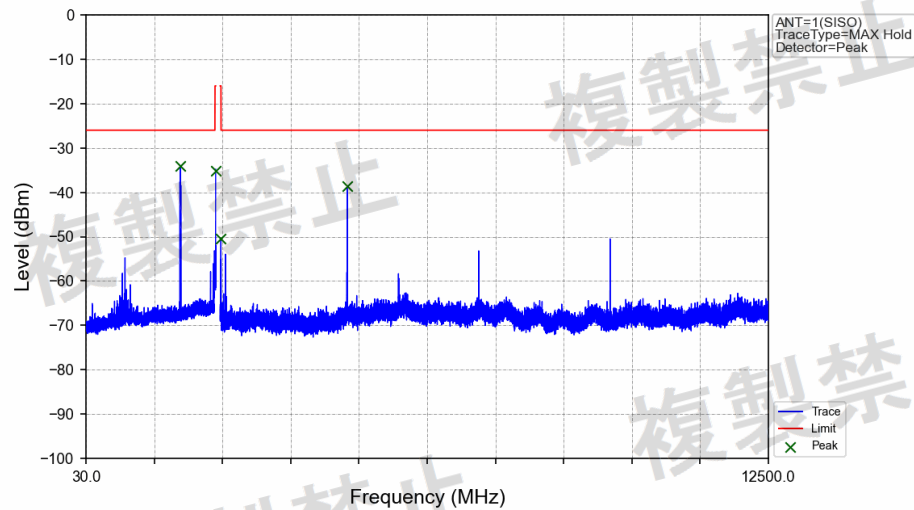


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	1763.500	-37.41	/	-26	Pass
2387	2400	1	1	2388.716	-64.43	/	-16	Pass
2483.5	2496.5	1	1	2483.526	-48.72	/	-16	Pass
2496.5	12500	1	1	4960.000	-36.91	/	-26	Pass

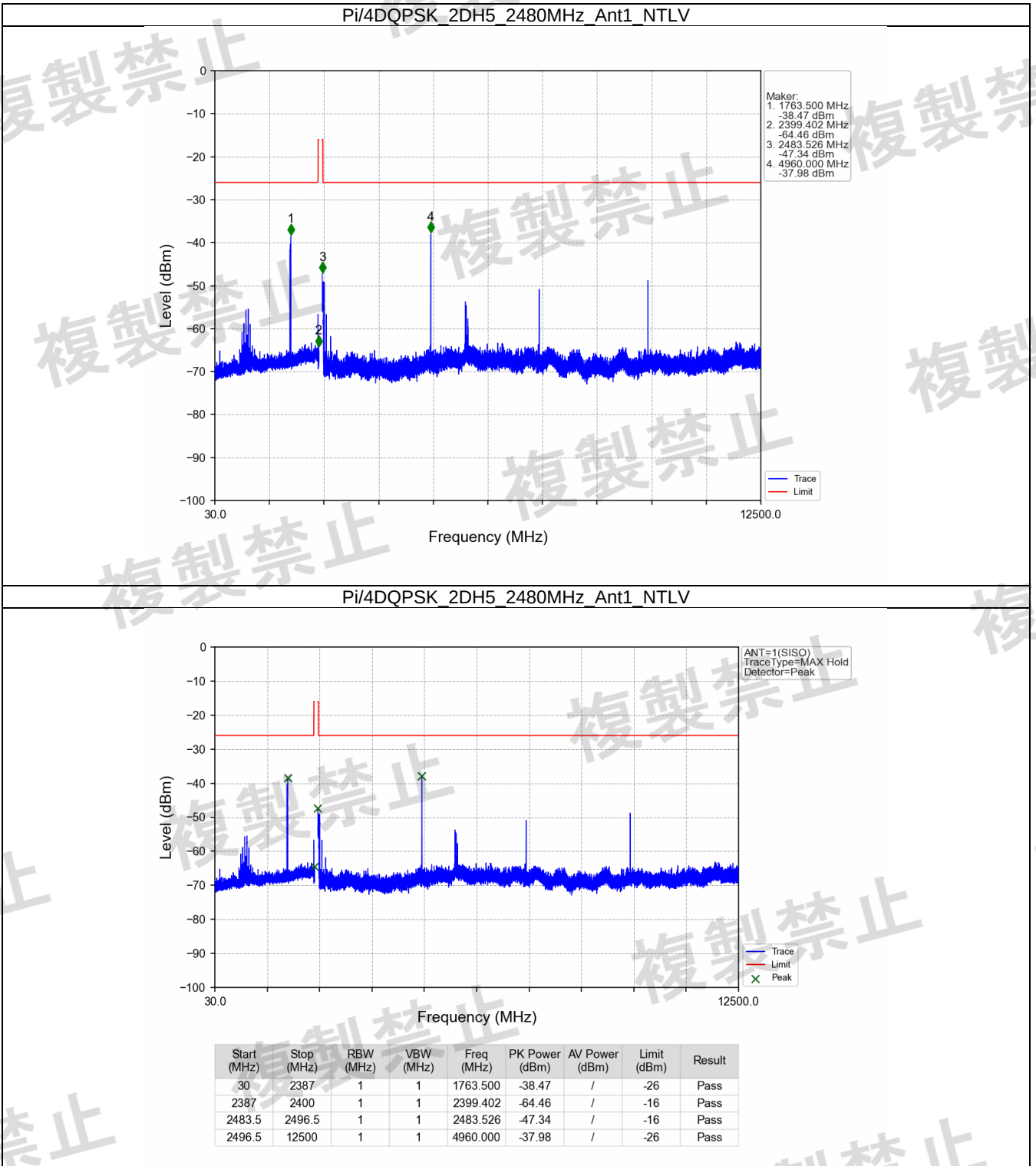
Pi/4DQPSK_2DH5_2402MHz_Ant1_NTLV



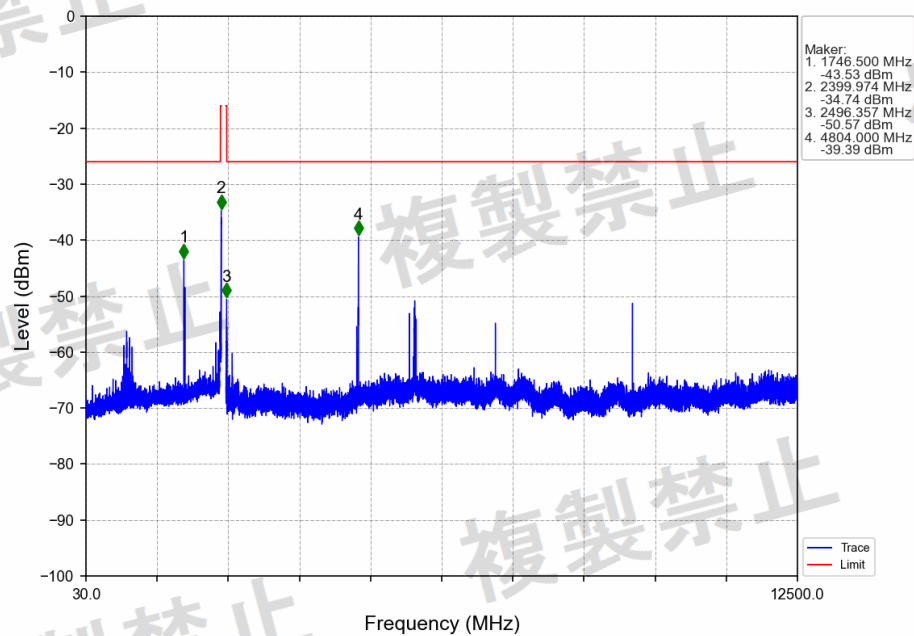
Pi/4DQPSK_2DH5_2402MHz_Ant1_NTLV



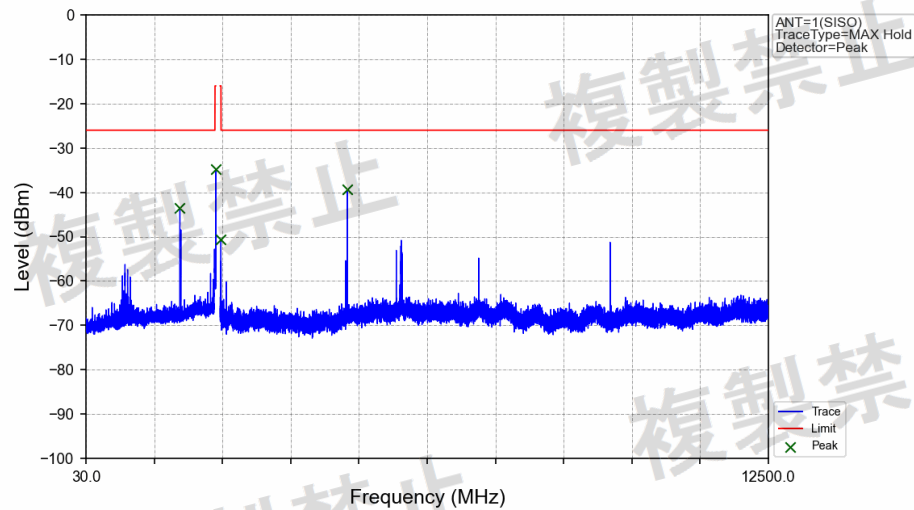
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	1753.000	-33.99	/	-26	Pass
2387	2400	1	1	2399.987	-35.19	/	-16	Pass
2483.5	2496.5	1	1	2496.240	-50.44	/	-16	Pass
2496.5	12500	1	1	4804.000	-38.65	/	-26	Pass



8DPSK_3DH5_2402MHz_Ant1_NTLV

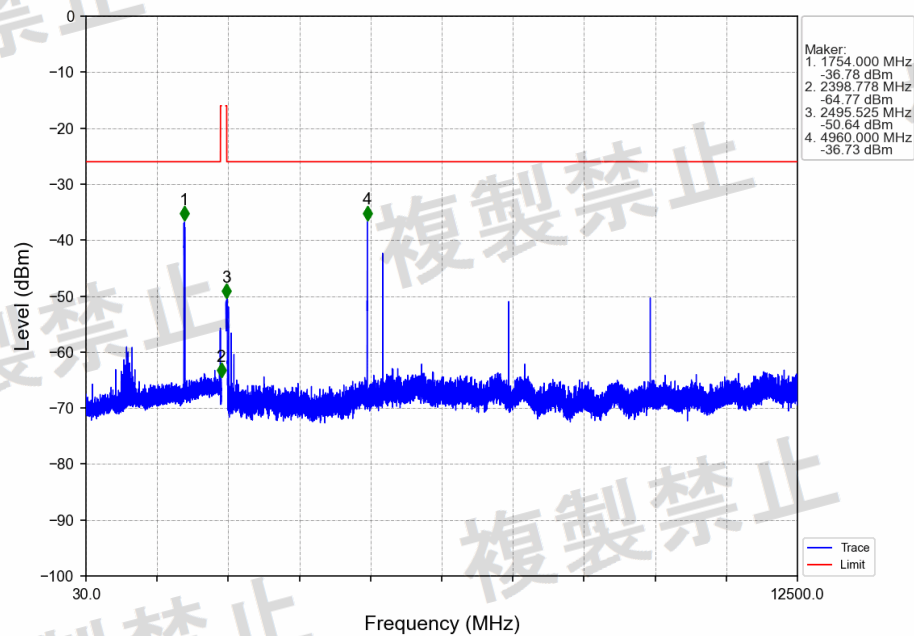


8DPSK_3DH5_2402MHz_Ant1_NTLV

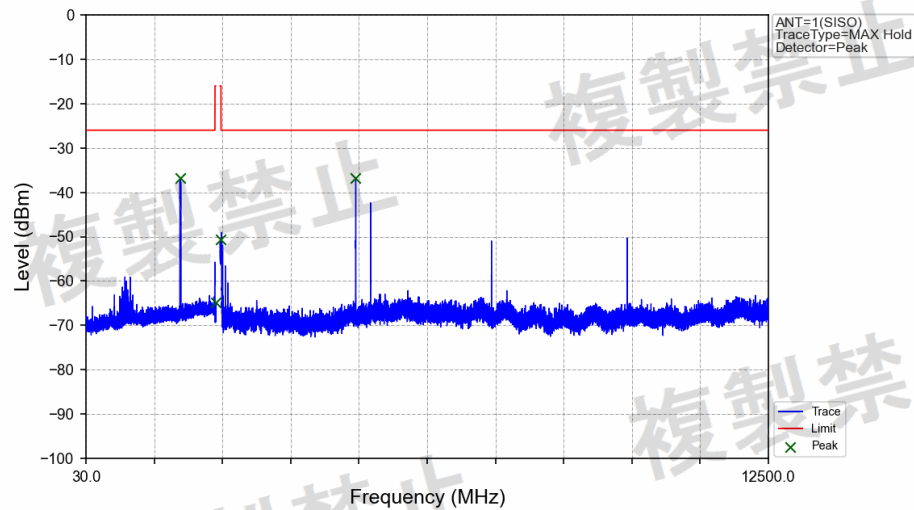


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	1746.500	-43.53	/	-26	Pass
2387	2400	1	1	2399.974	-34.74	/	-16	Pass
2483.5	2496.5	1	1	2496.357	-50.57	/	-16	Pass
2496.5	12500	1	1	4804.000	-39.39	/	-26	Pass

8DPSK_3DH5_2480MHz_Ant1_NTLV

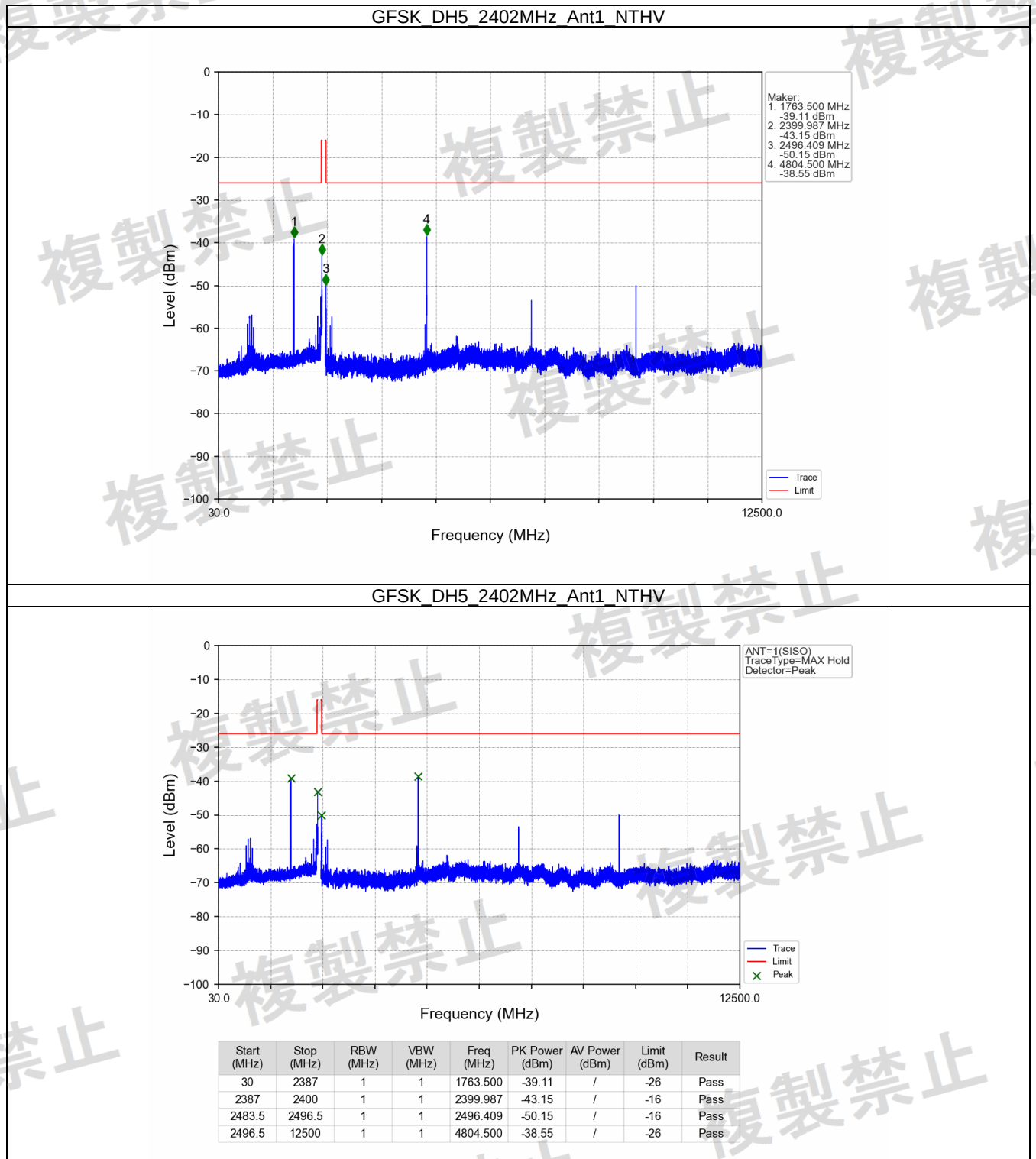


8DPSK_3DH5_2480MHz_Ant1_NTLV

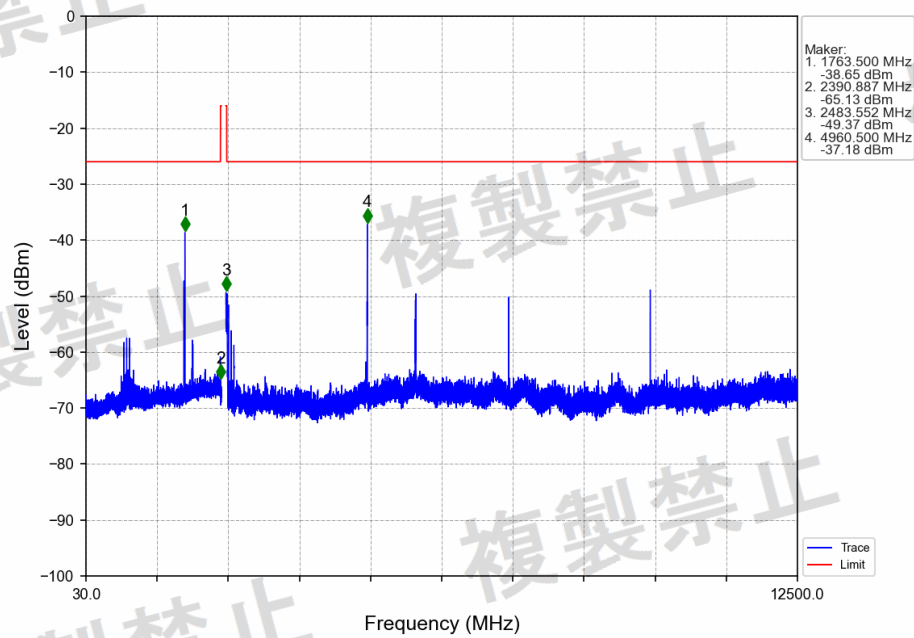


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	1754.000	-36.78	/	-26	Pass
2387	2400	1	1	2398.778	-64.77	/	-16	Pass
2483.5	2496.5	1	1	2495.525	-50.64	/	-16	Pass
2496.5	12500	1	1	4960.000	-36.73	/	-26	Pass

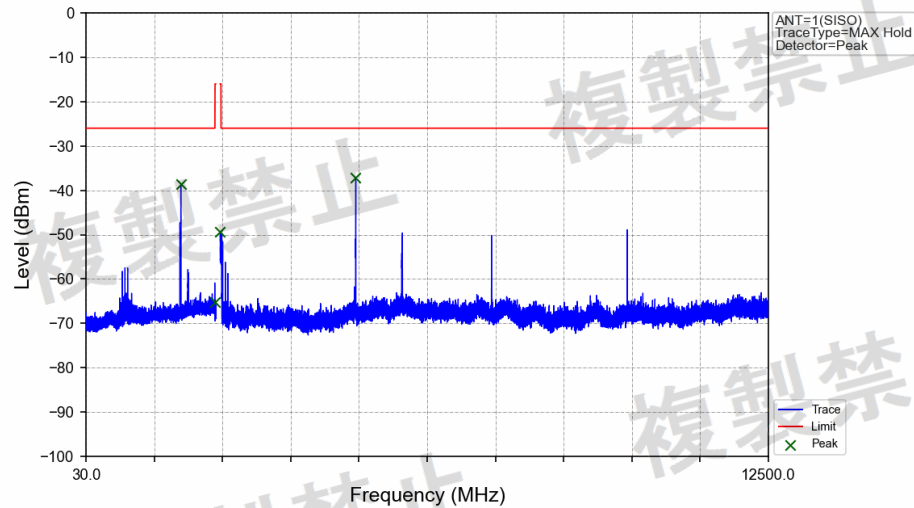
6.2.3 TxSe_NTHV



GFSK_DH5_2480MHz_Ant1_NTHV

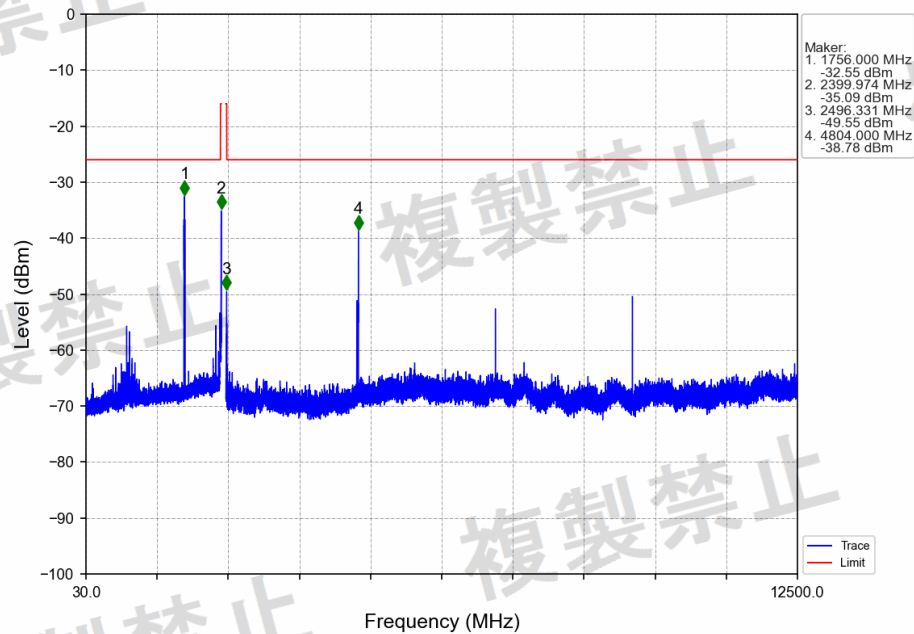


GFSK_DH5_2480MHz_Ant1_NTHV

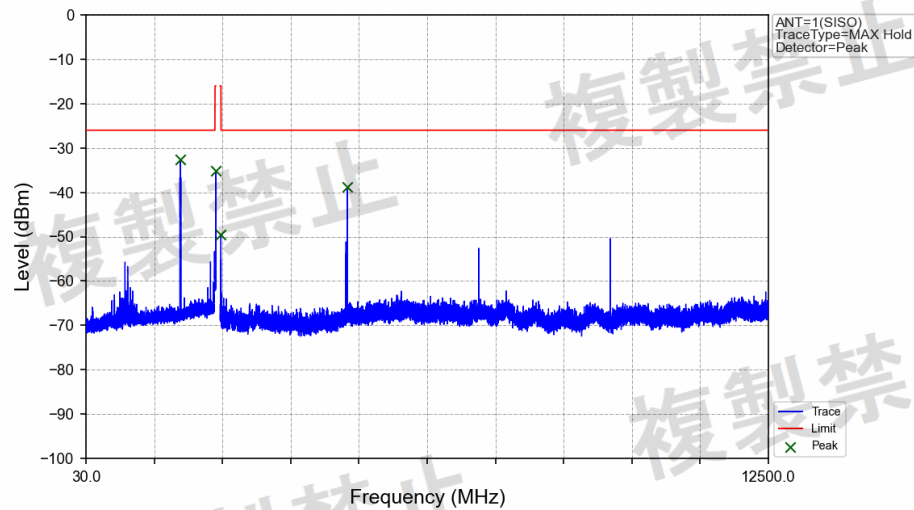


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	1763.500	-38.65	/	-26	Pass
2387	2400	1	1	2390.887	-65.13	/	-16	Pass
2483.5	2496.5	1	1	2483.552	-49.37	/	-16	Pass
2496.5	12500	1	1	4960.500	-37.18	/	-26	Pass

Pi/4DQPSK_2DH5_2402MHz_Ant1_NTHV

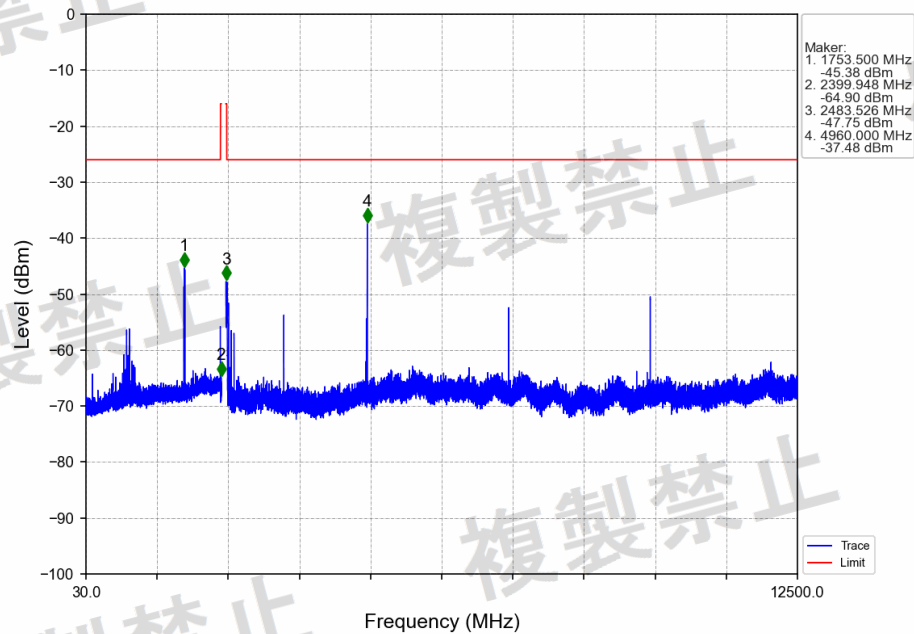


Pi/4DQPSK_2DH5_2402MHz_Ant1_NTHV

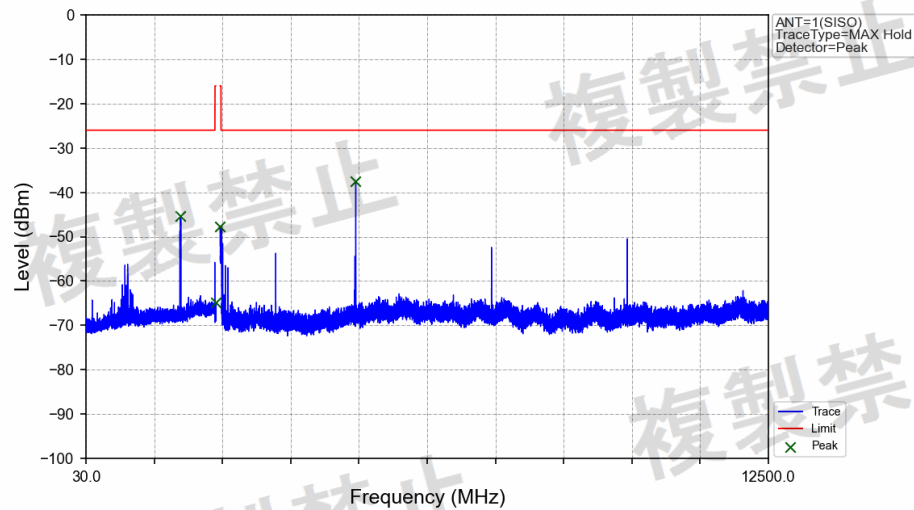


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	1756.000	-32.55	/	-26	Pass
2387	2400	1	1	2399.974	-35.09	/	-16	Pass
2483.5	2496.5	1	1	2496.331	-49.55	/	-16	Pass
2496.5	12500	1	1	4804.000	-38.78	/	-26	Pass

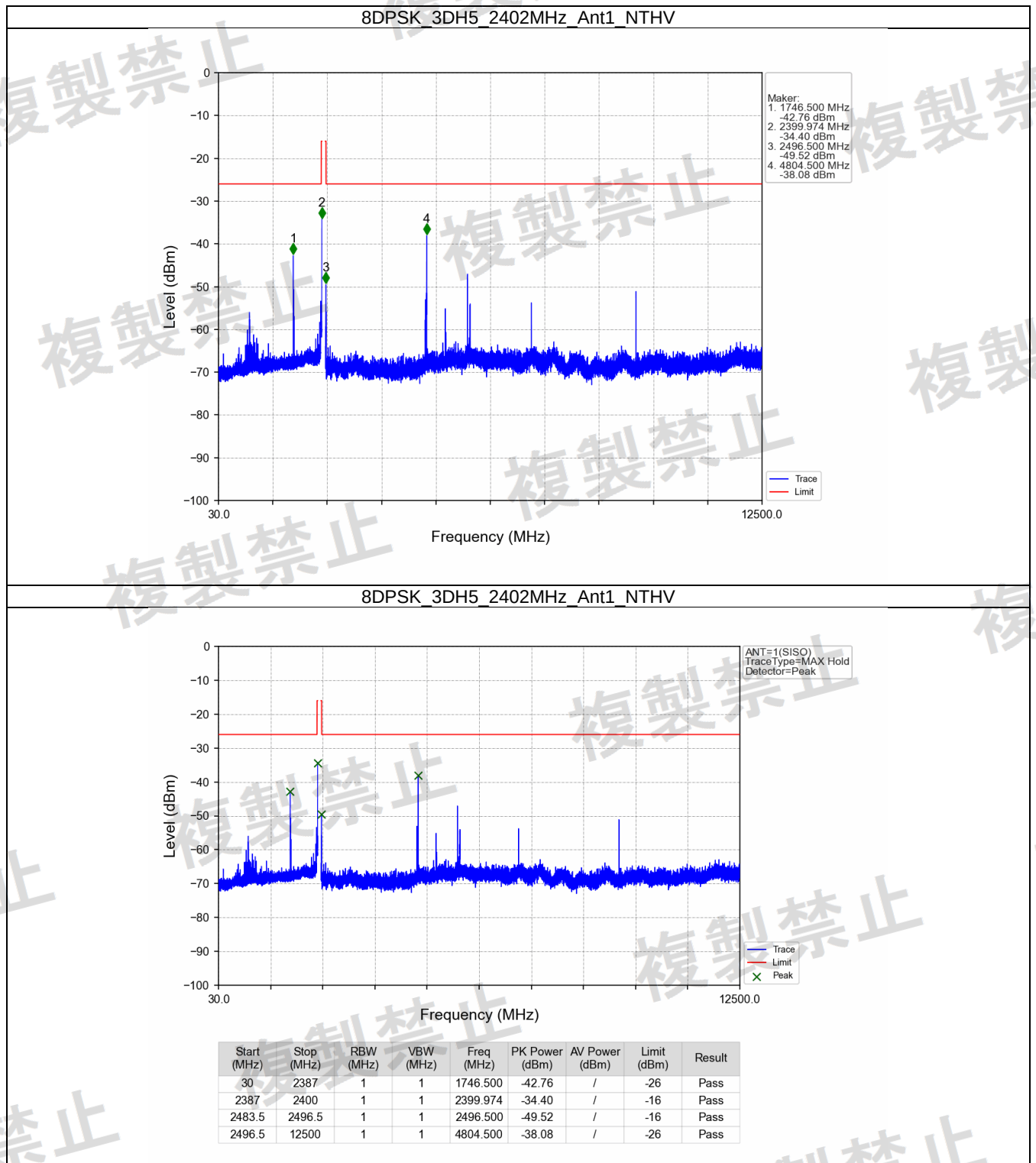
Pi/4DQPSK_2DH5_2480MHz_Ant1_NTHV

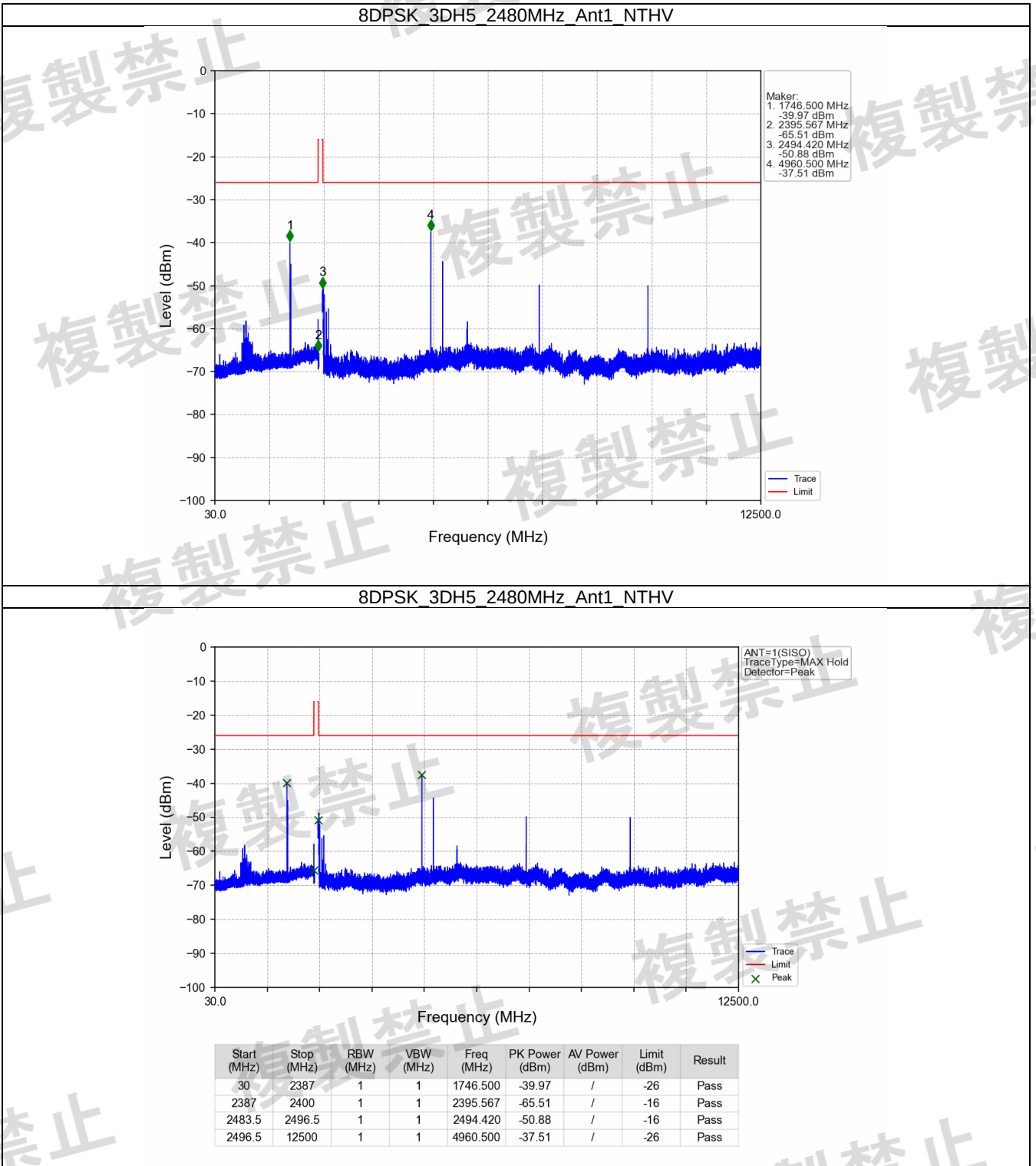


Pi/4DQPSK_2DH5_2480MHz_Ant1_NTHV



Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	1753.500	-45.38	/	-26	Pass
2387	2400	1	1	2399.948	-64.90	/	-16	Pass
2483.5	2496.5	1	1	2483.526	-47.75	/	-16	Pass
2496.5	12500	1	1	4960.000	-37.48	/	-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	796.4	-75.63	0.027	/	/	4	Pass
				1000	12500	7662.5	-62.74	0.532	/	/	20	Pass
		2480	1	30	1000	759.85	-75.60	0.028	/	/	4	Pass
				1000	12500	11987	-62.30	0.589	/	/	20	Pass
Pi/4DQPSK	SISO	2402	1	30	1000	871.45	-75.32	0.029	/	/	4	Pass
				1000	12500	11379.5	-62.74	0.532	/	/	20	Pass
		2480	1	30	1000	925.45	-75.94	0.025	/	/	4	Pass
				1000	12500	9358	-61.67	0.681	/	/	20	Pass
8DPSK	SISO	2402	1	30	1000	858.15	-75.36	0.029	/	/	4	Pass
				1000	12500	5839	-62.59	0.551	/	/	20	Pass
		2480	1	30	1000	892.1	-75.59	0.028	/	/	4	Pass
				1000	12500	5909.5	-62.19	0.604	/	/	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	526.9	-75.48	0.028	/	/	4	Pass
				1000	12500	5929.5	-62.32	0.586	/	/	20	Pass
		2480	1	30	1000	661.55	-74.96	0.032	/	/	4	Pass
				1000	12500	11851.5	-61.92	0.643	/	/	20	Pass
Pi/4DQPSK	SISO	2402	1	30	1000	714.75	-75.24	0.030	/	/	4	Pass
				1000	12500	12489	-62.37	0.579	/	/	20	Pass
		2480	1	30	1000	984.65	-74.83	0.033	/	/	4	Pass
				1000	12500	5782.5	-62.49	0.564	/	/	20	Pass
8DPSK	SISO	2402	1	30	1000	468.8	-75.65	0.027	/	/	4	Pass
				1000	12500	7686.5	-62.34	0.583	/	/	20	Pass
		2480	1	30	1000	891.7	-74.65	0.034	/	/	4	Pass
				1000	12500	5518	-62.50	0.562	/	/	20	Pass

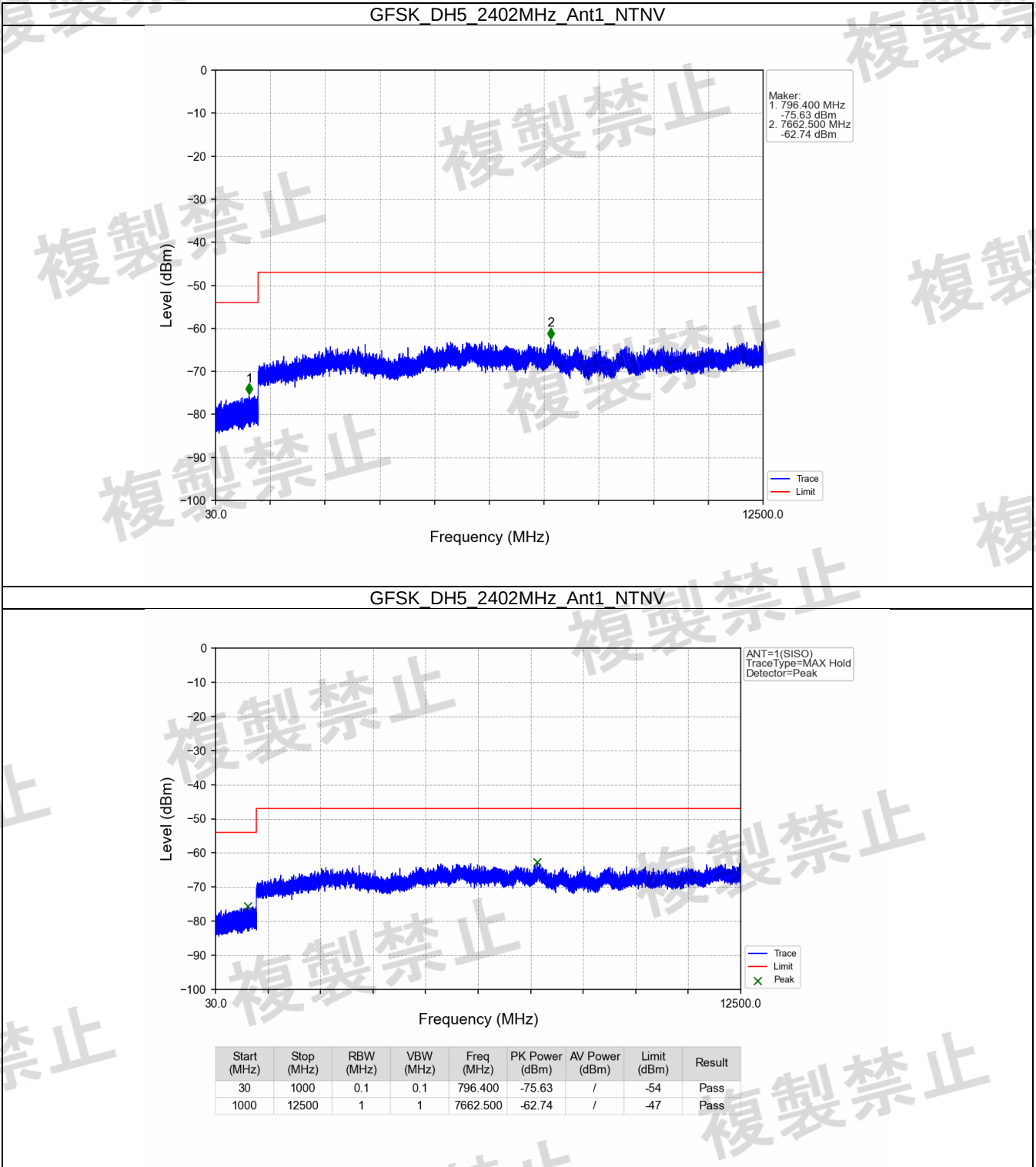
7.1.3 RxSe_NTHV

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	993.8	-74.31	0.037	/	/	4	Pass
				1000	12500	12059.5	-62.59	0.551	/	/	20	Pass
		2480	1	30	1000	978.3	-75.10	0.031	/	/	4	Pass
				1000	12500	11960.5	-62.93	0.509	/	/	20	Pass
Pi/4DQPSK	SISO	2402	1	30	1000	981.7	-75.43	0.029	/	/	4	Pass
				1000	12500	5884	-62.76	0.530	/	/	20	Pass
		2480	1	30	1000	901.8	-75.74	0.027	/	/	4	Pass

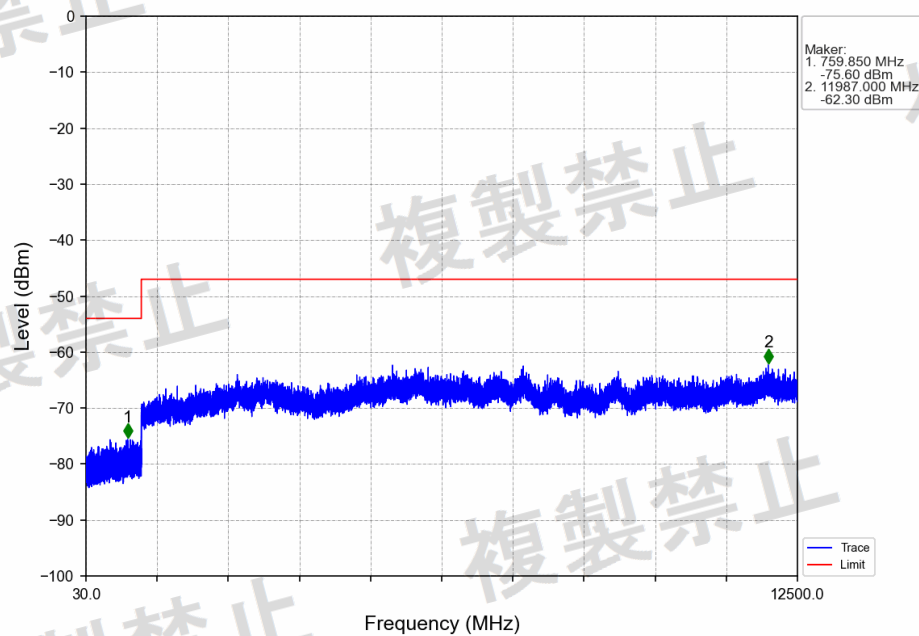
				1000	12500	11738.5	-62.81	0.524	/	/	20	Pass
8DPSK	SISO	2402	1	30	1000	793.2	-75.04	0.031	/	/	4	Pass
				1000	12500	5844	-62.47	0.566	/	/	20	Pass
		2480	1	30	1000	755.95	-75.18	0.030	/	/	4	Pass
				1000	12500	5891.5	-62.54	0.557	/	/	20	Pass

7.2 Test Graph

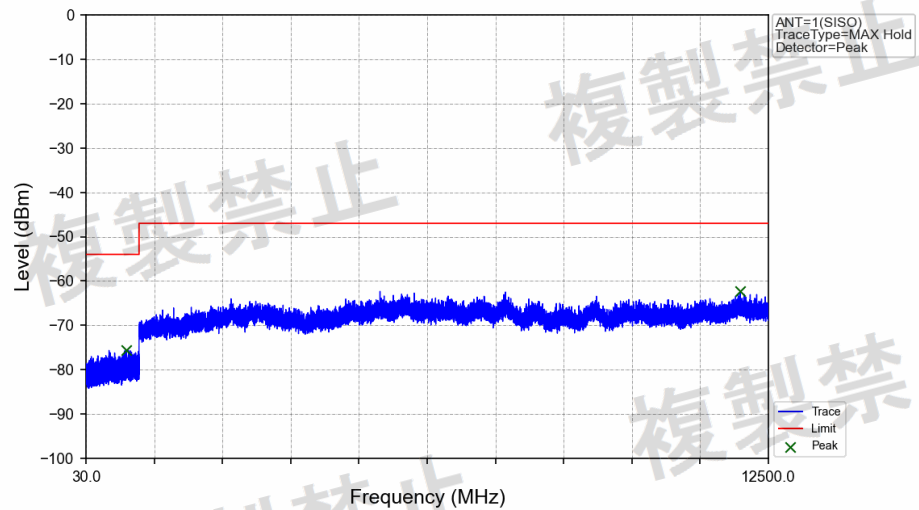
7.2.1 RxSe_NTNV



GFSK_DH5_2480MHz_Ant1_NTNV

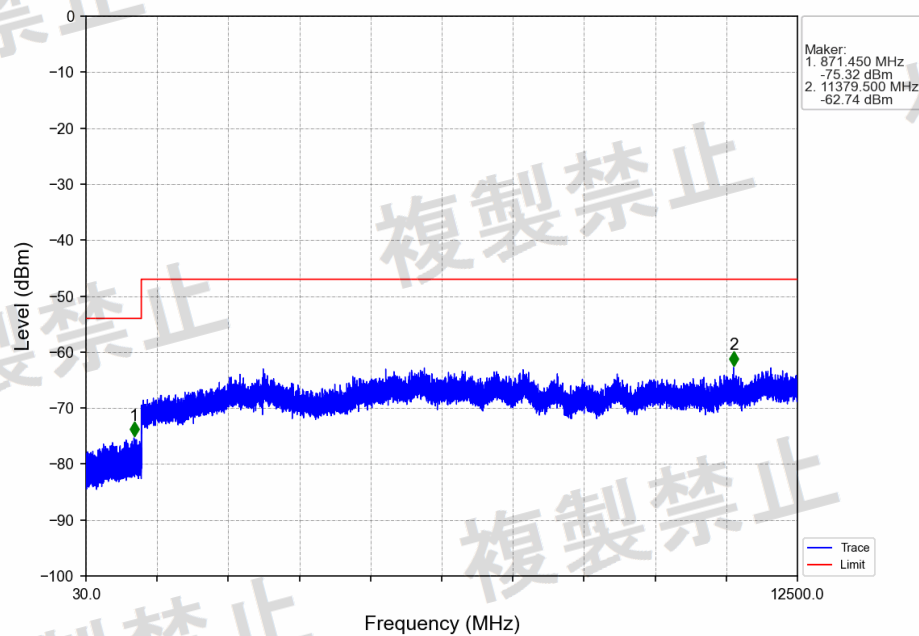


GFSK_DH5_2480MHz_Ant1_NTNV

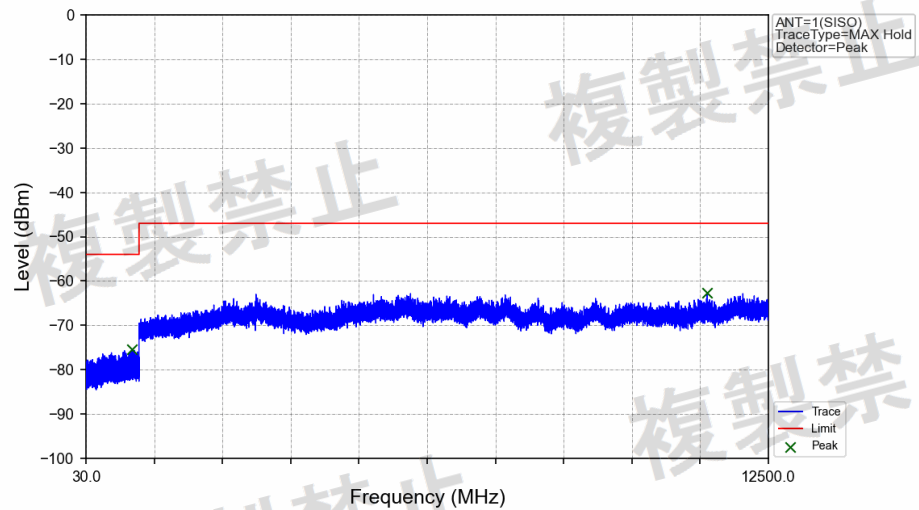


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	759.850	-75.60	/	-54	Pass
1000	12500	1	1	11987.000	-62.30	/	-47	Pass

Pi/4DQPSK_2DH5_2402MHz_Ant1_NTNV

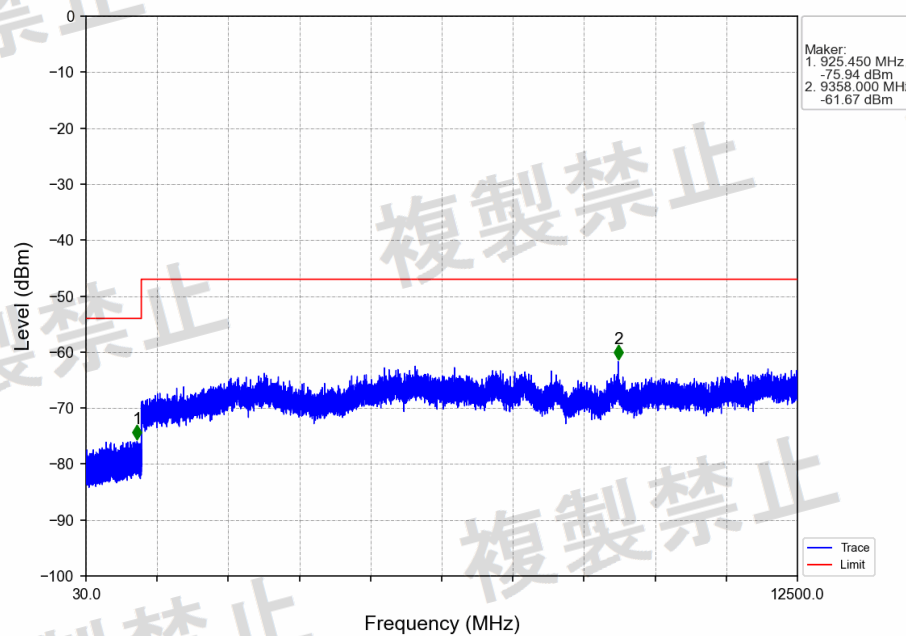


Pi/4DQPSK_2DH5_2402MHz_Ant1_NTNV

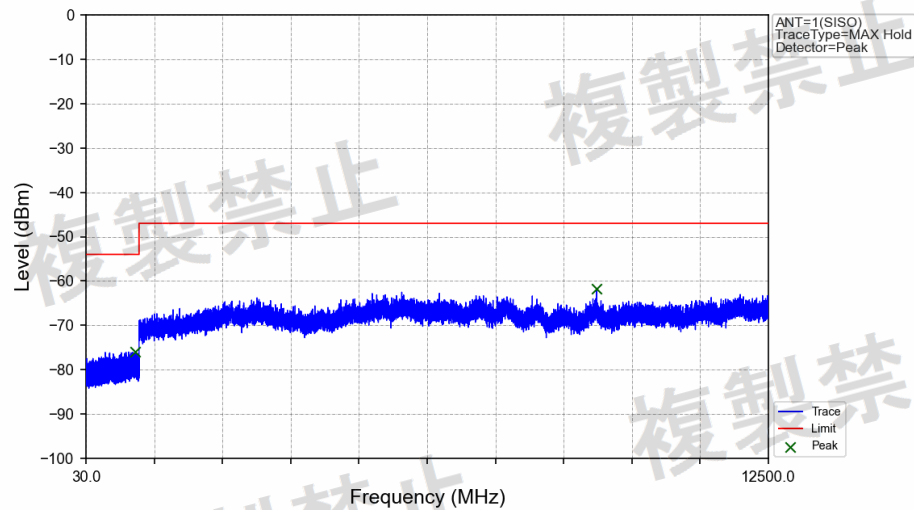


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	871.450	-75.32	/	-54	Pass
1000	12500	1	1	11379.500	-62.74	/	-47	Pass

Pi/4DQPSK_2DH5_2480MHz_Ant1_NTNV

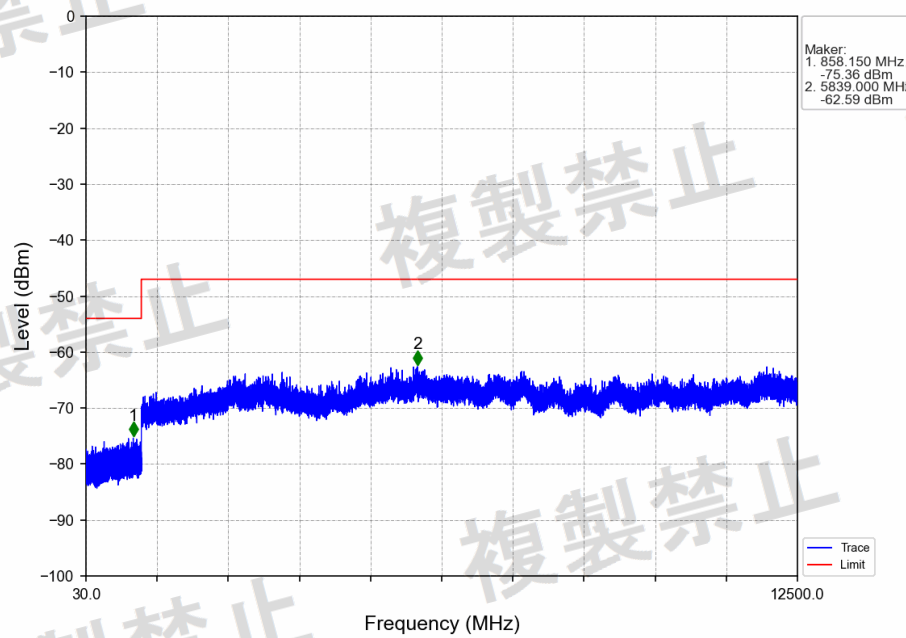


Pi/4DQPSK_2DH5_2480MHz_Ant1_NTNV

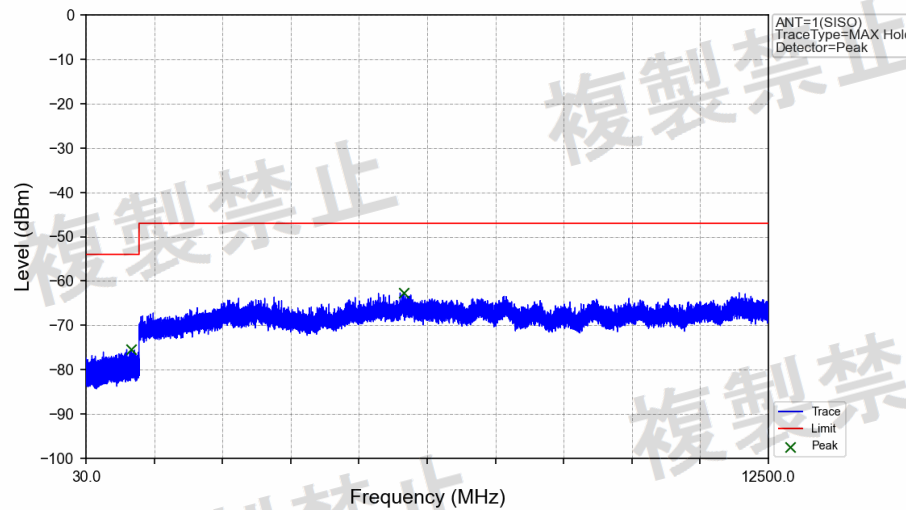


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	925.450	-75.94	/	-54	Pass
1000	12500	1	1	9358.000	-61.67	/	-47	Pass

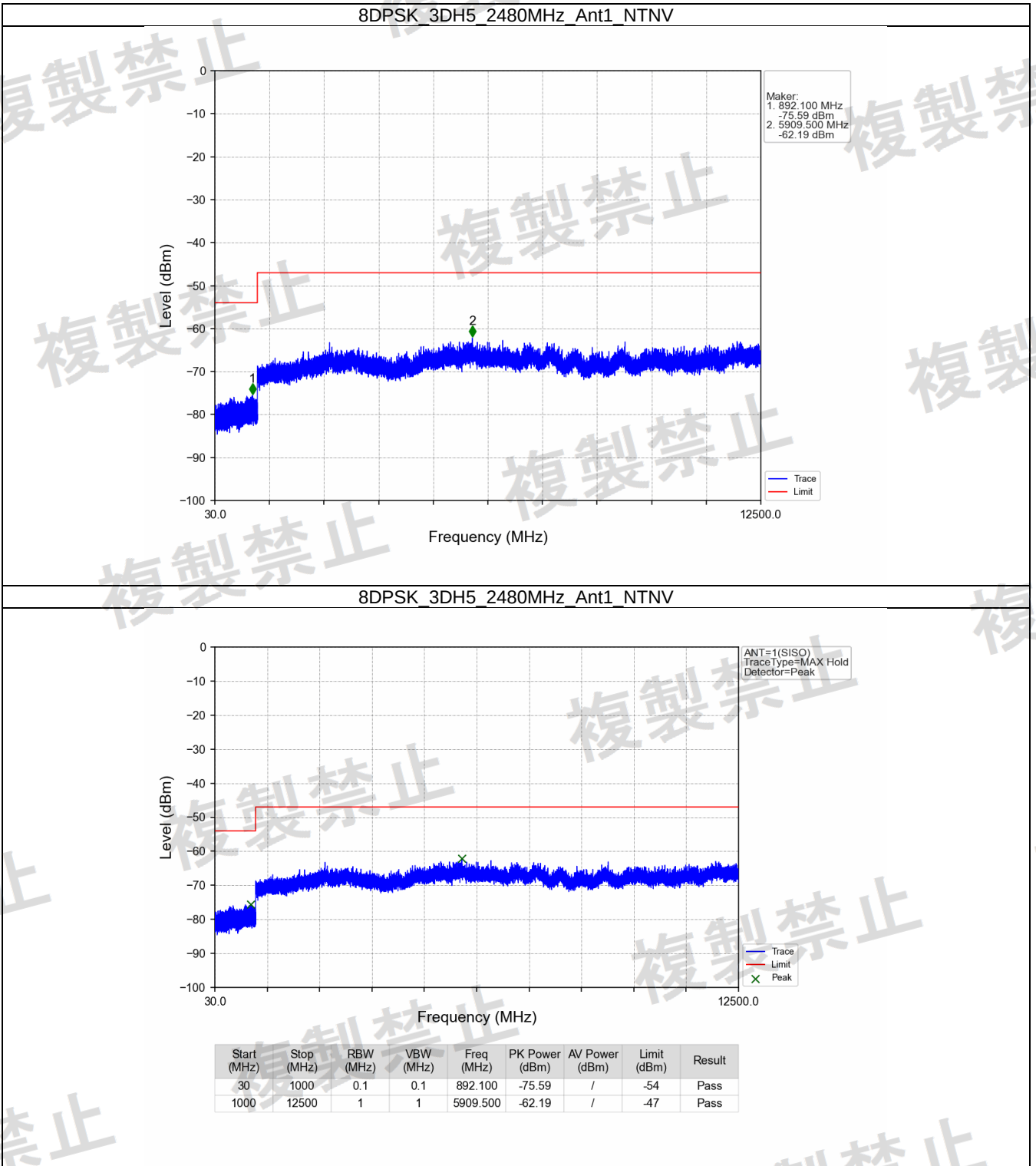
8DPSK_3DH5_2402MHz_Ant1_NTNV



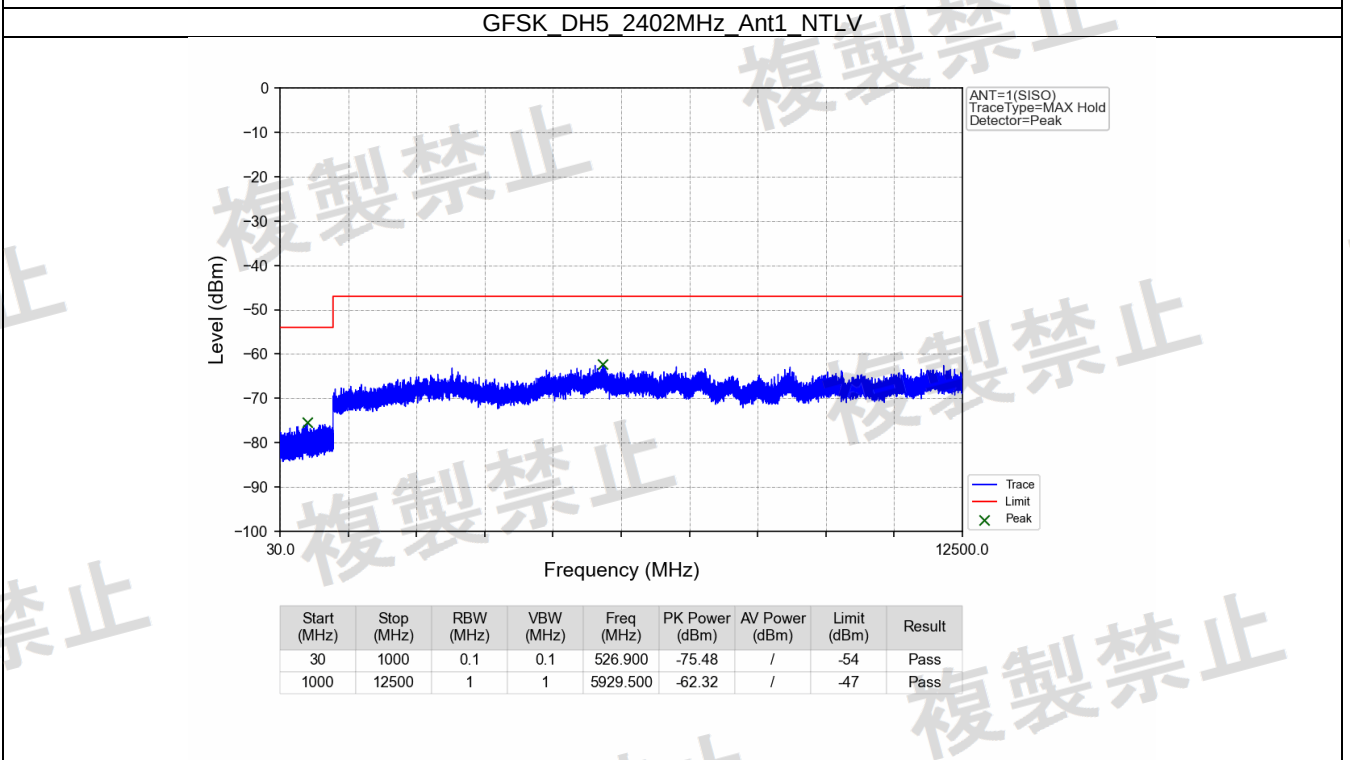
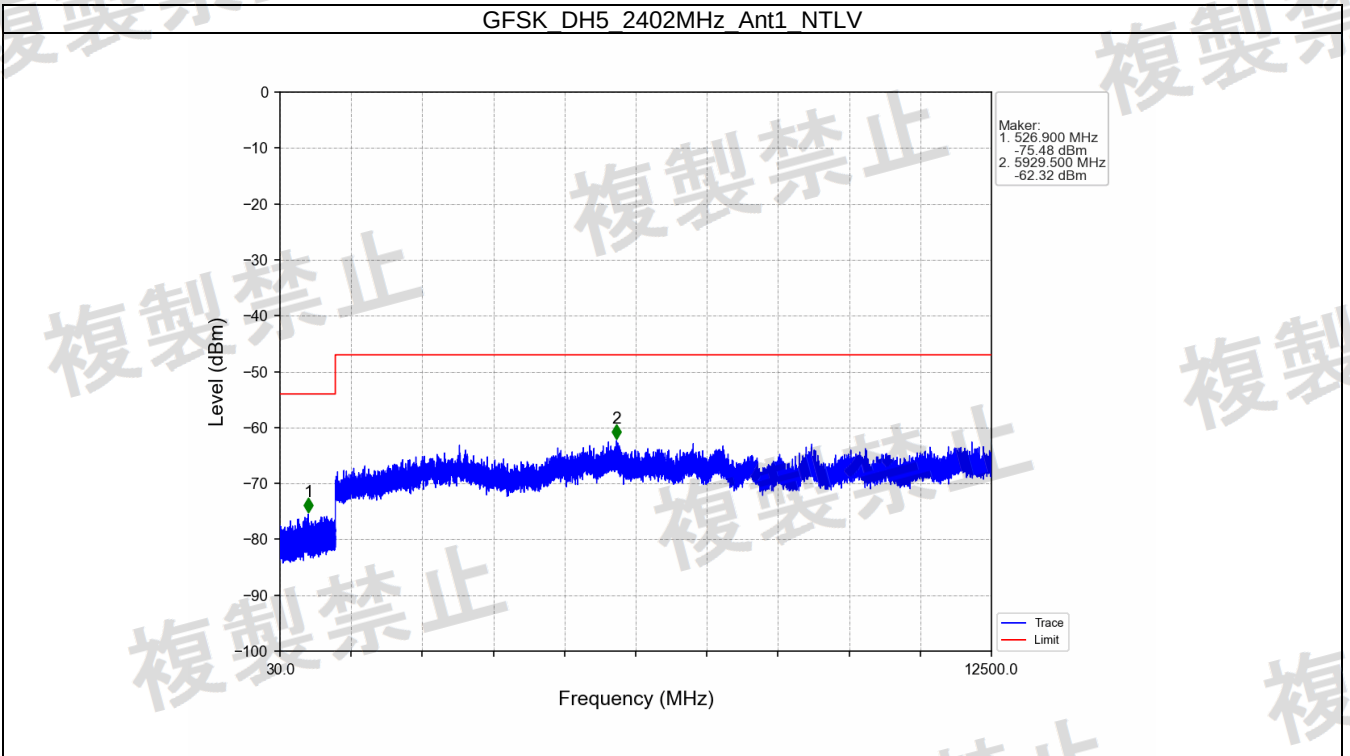
8DPSK_3DH5_2402MHz_Ant1_NTNV



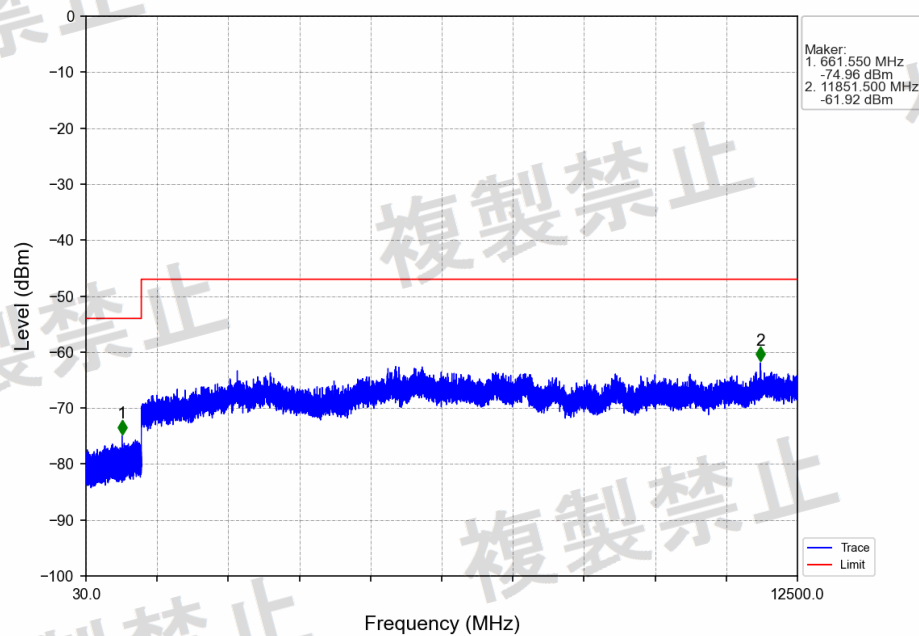
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	858.150	-75.36	/	-54	Pass
1000	12500	1	1	5839.000	-62.59	/	-47	Pass



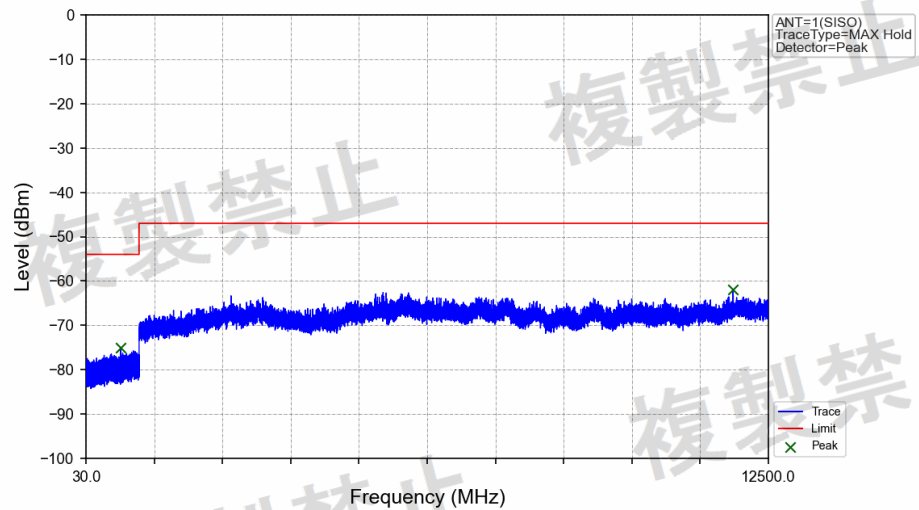
7.2.2 RxSe_NTLV



GFSK_DH5_2480MHz_Ant1_NTLV

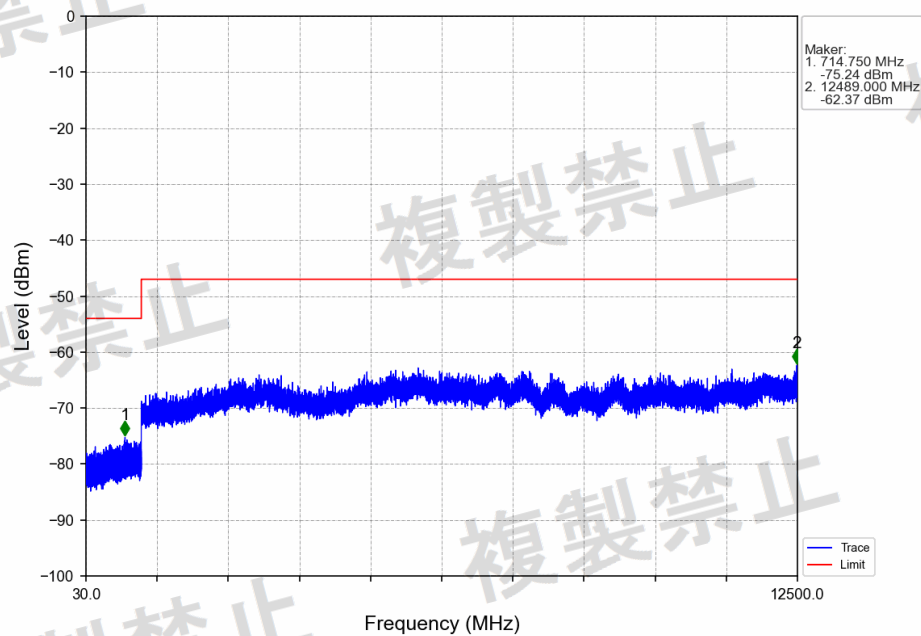


GFSK_DH5_2480MHz_Ant1_NTLV

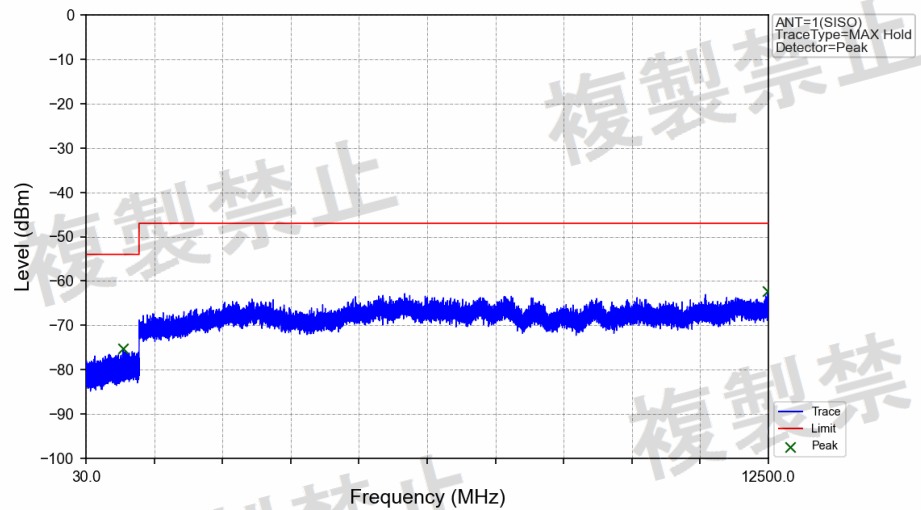


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	661.550	-74.96	/	-54	Pass
1000	12500	1	1	11851.500	-61.92	/	-47	Pass

Pi/4DQPSK_2DH5_2402MHz_Ant1_NTLV

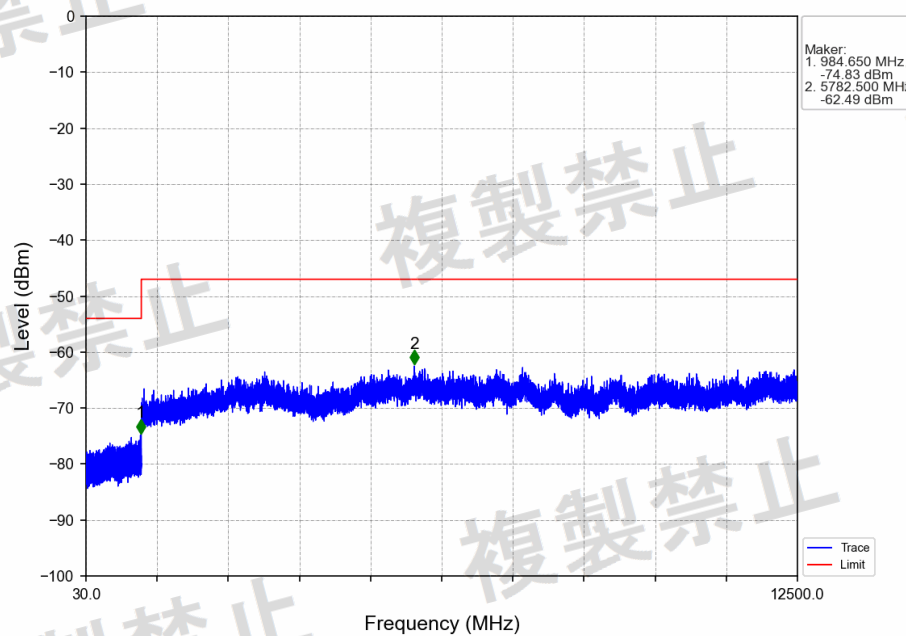


Pi/4DQPSK_2DH5_2402MHz_Ant1_NTLV

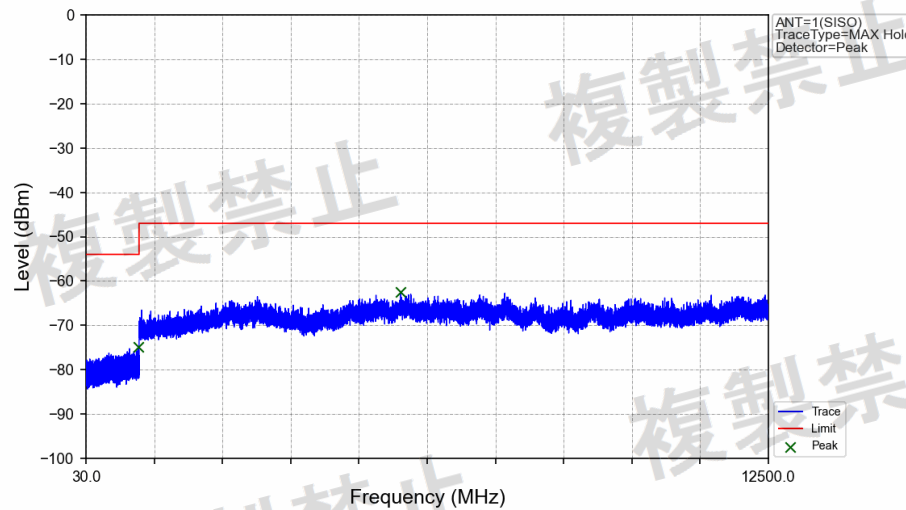


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	714.750	-75.24	/	-54	Pass
1000	12500	1	1	12489.000	-62.37	/	-47	Pass

Pi/4DQPSK_2DH5_2480MHz_Ant1_NTLV

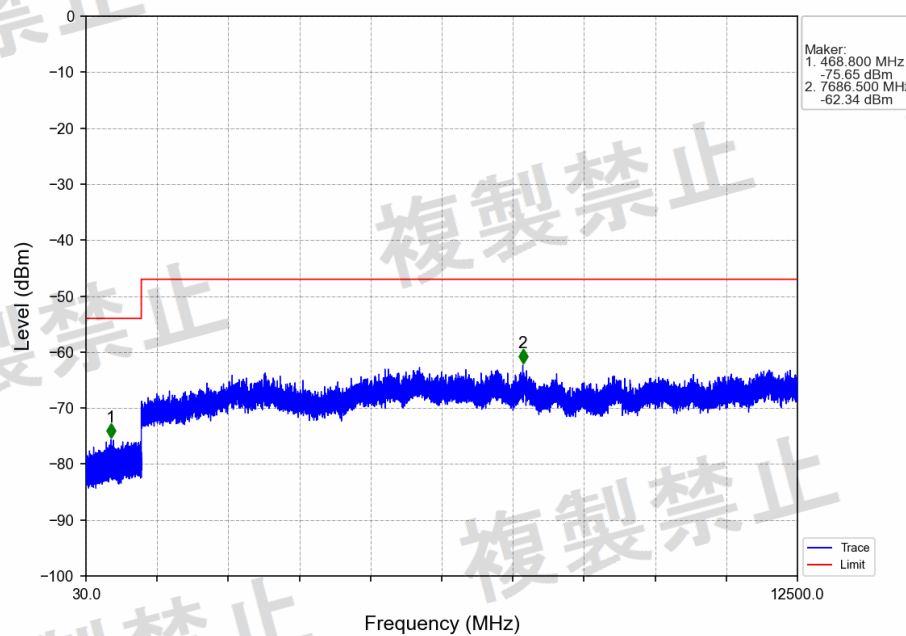


Pi/4DQPSK_2DH5_2480MHz_Ant1_NTLV

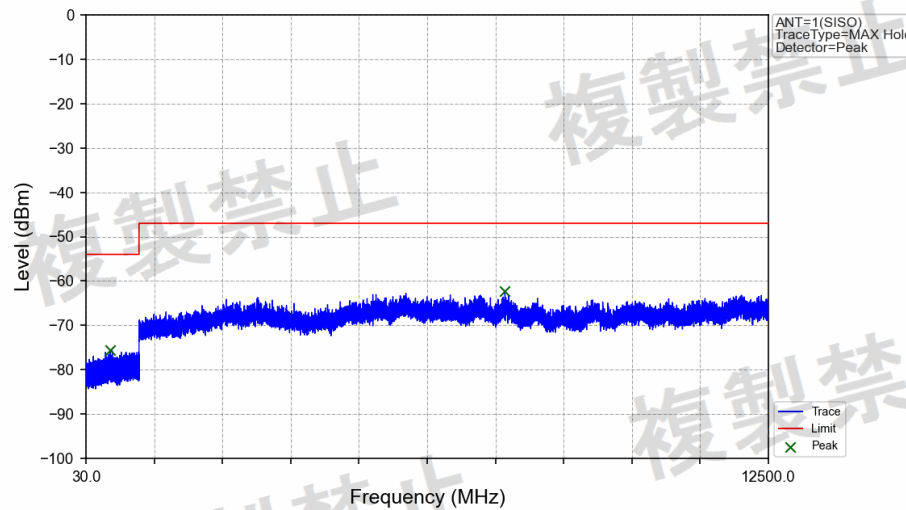


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	984.650	-74.83	/	-54	Pass
1000	12500	1	1	5782.500	-62.49	/	-47	Pass

8DPSK_3DH5_2402MHz_Ant1_NTLV

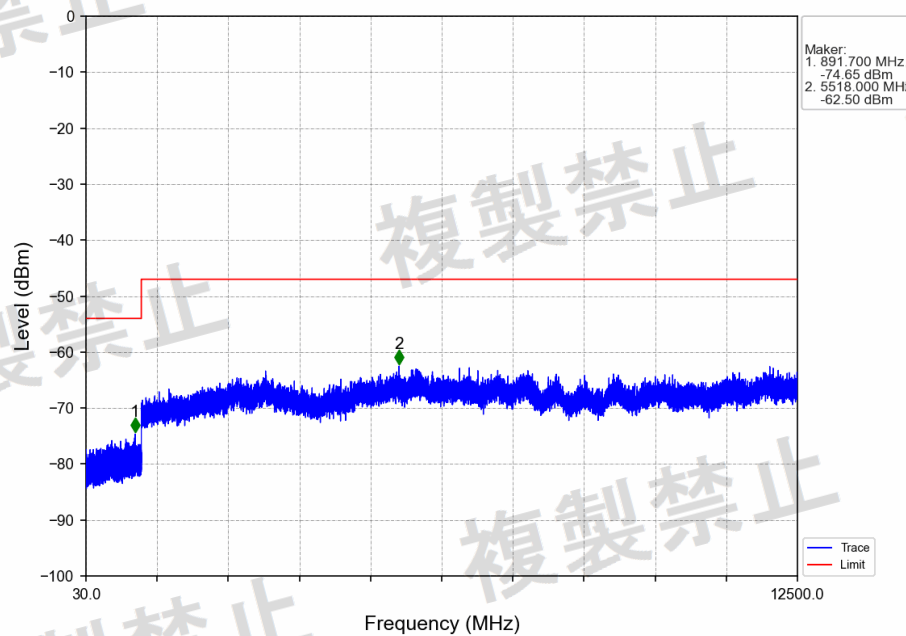


8DPSK_3DH5_2402MHz_Ant1_NTLV

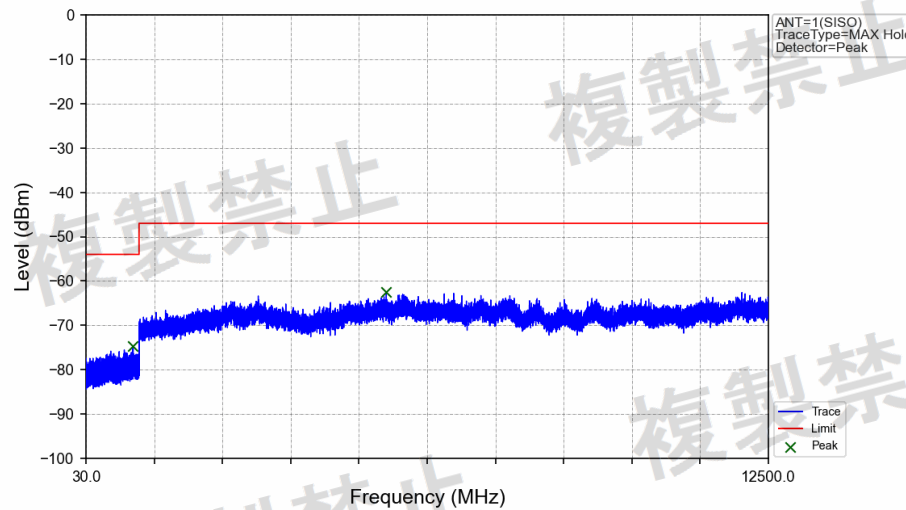


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	468.800	-75.65	/	-54	Pass
1000	12500	1	1	7686.500	-62.34	/	-47	Pass

8DPSK_3DH5_2480MHz_Ant1_NTLV

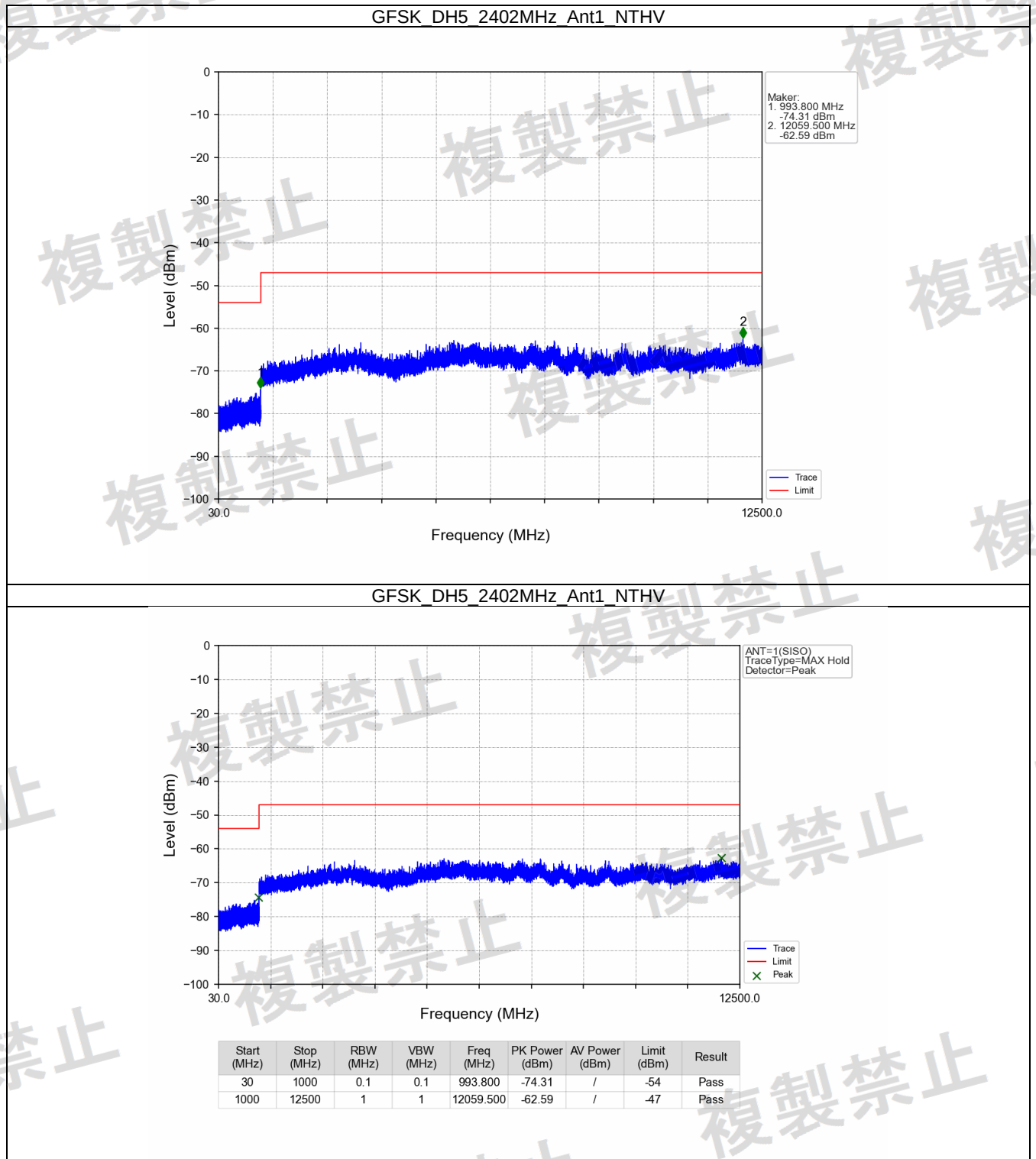


8DPSK_3DH5_2480MHz_Ant1_NTLV

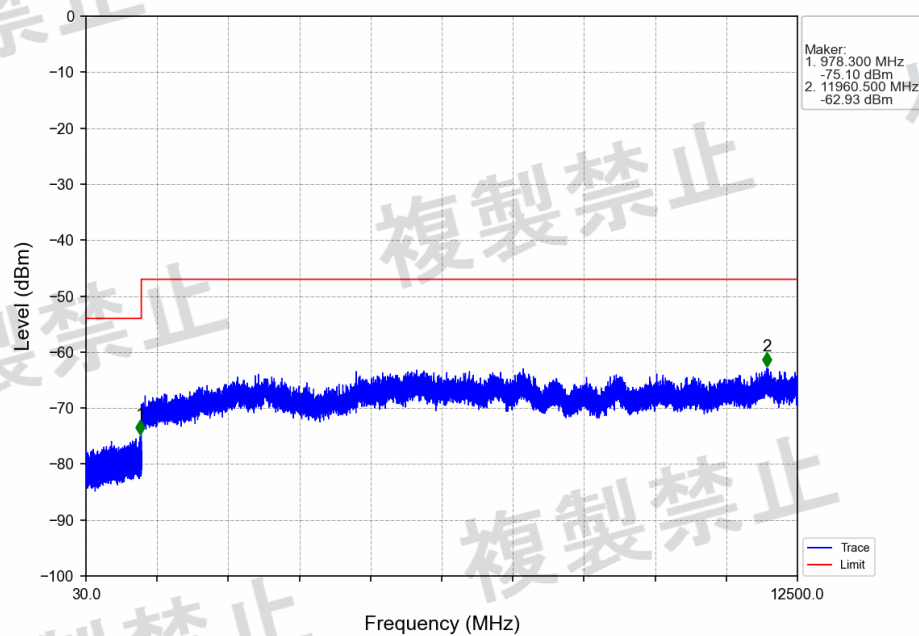


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	891.700	-74.65	/	-54	Pass
1000	12500	1	1	5518.000	-62.50	/	-47	Pass

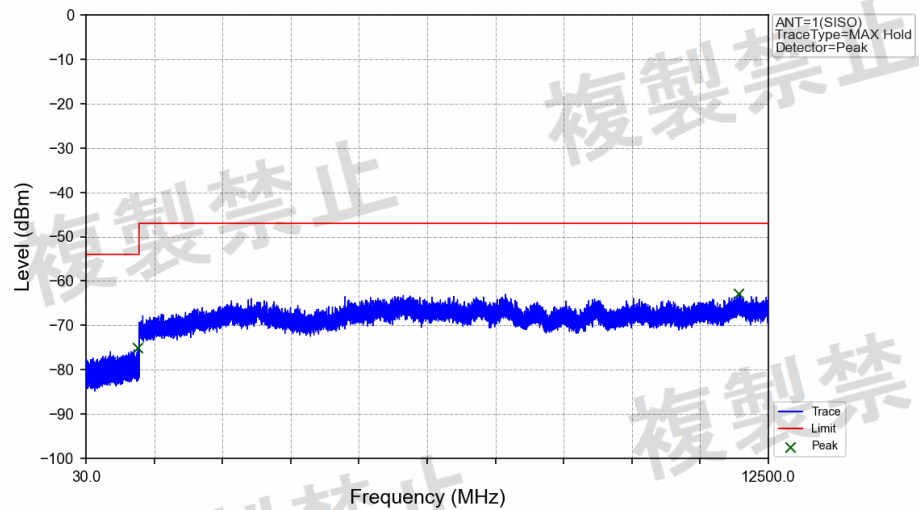
7.2.3 RxSe_NTHV



GFSK_DH5_2480MHz_Ant1_NTHV

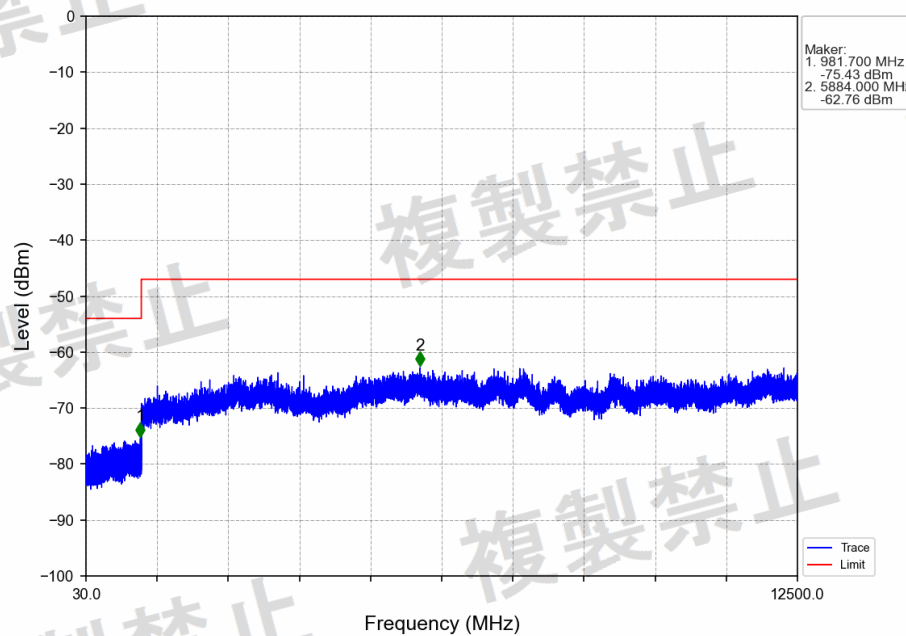


GFSK_DH5_2480MHz_Ant1_NTHV

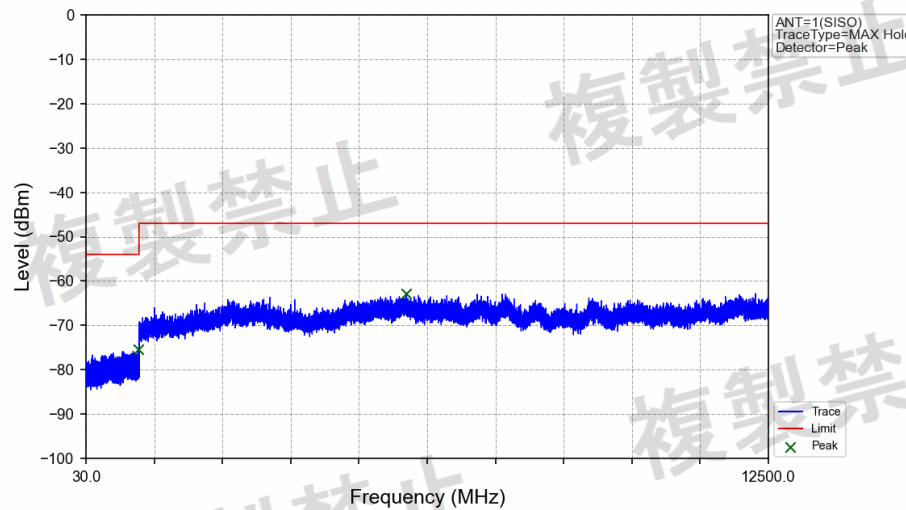


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	978.300	-75.10	/	-54	Pass
1000	12500	1	1	11960.500	-62.93	/	-47	Pass

Pi/4DQPSK_2DH5_2402MHz_Ant1_NTHV

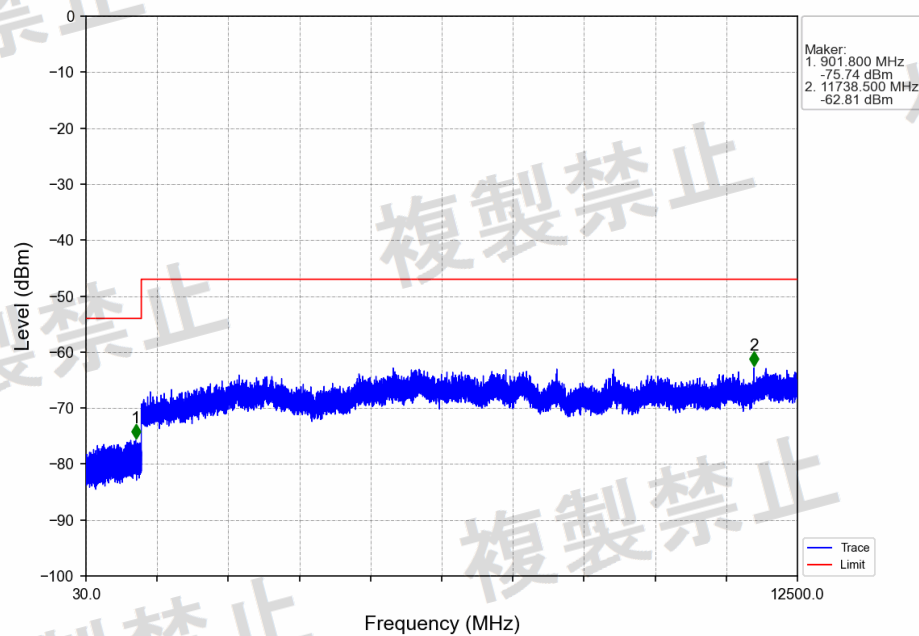


Pi/4DQPSK_2DH5_2402MHz_Ant1_NTHV

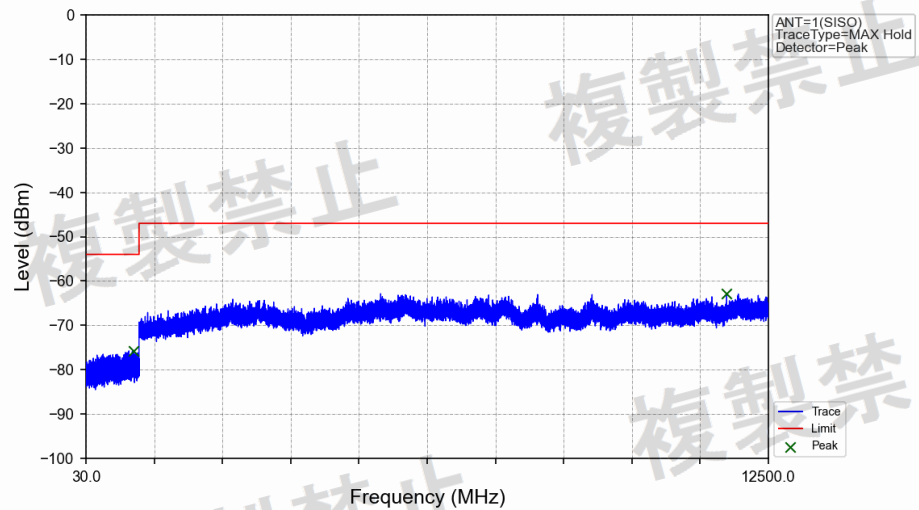


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	981.700	-75.43	/	-54	Pass
1000	12500	1	1	5884.000	-62.76	/	-47	Pass

Pi/4DQPSK_2DH5_2480MHz_Ant1_NTHV

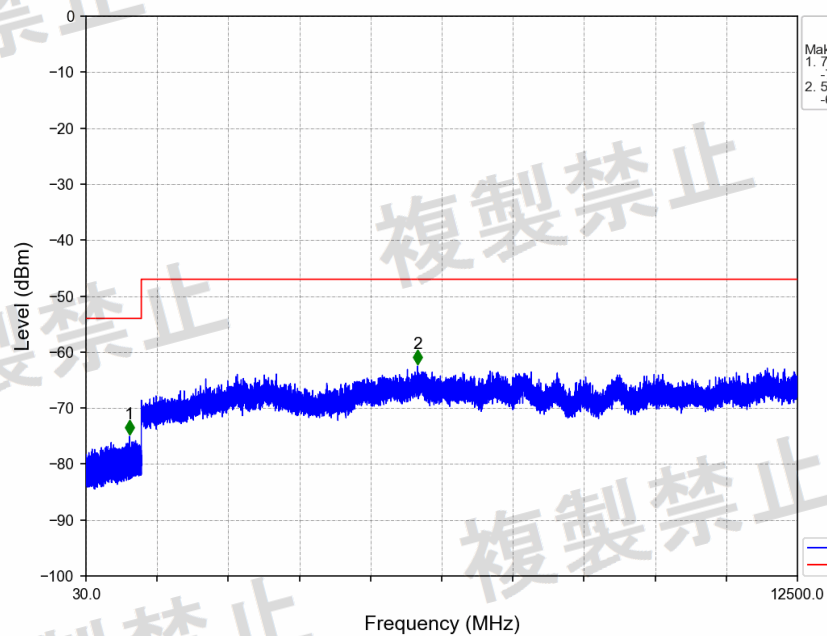


Pi/4DQPSK_2DH5_2480MHz_Ant1_NTHV

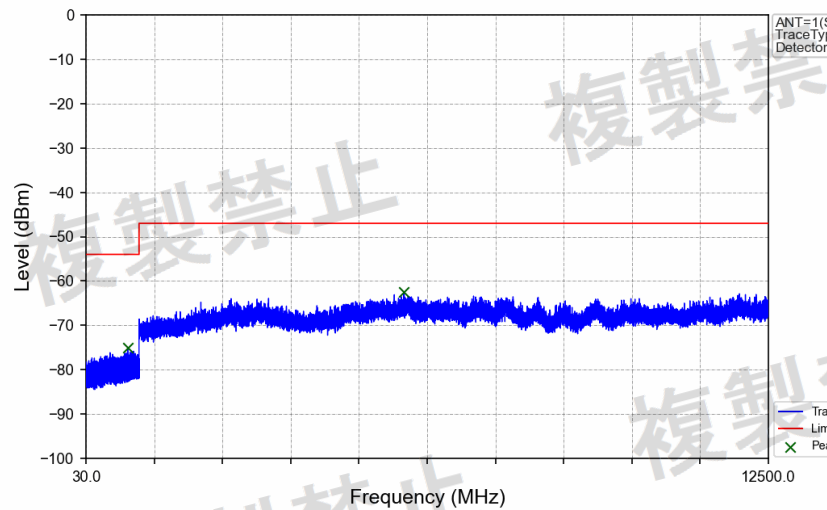


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	901.800	-75.74	/	-54	Pass
1000	12500	1	1	11738.500	-62.81	/	-47	Pass

8DPSK_3DH5_2402MHz_Ant1_NTHV

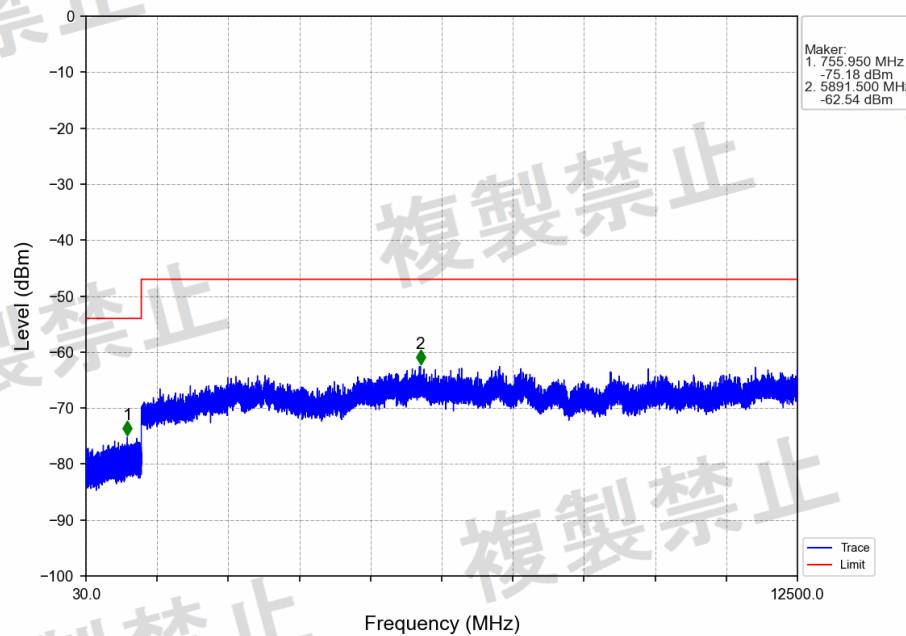


8DPSK_3DH5_2402MHz_Ant1_NTHV

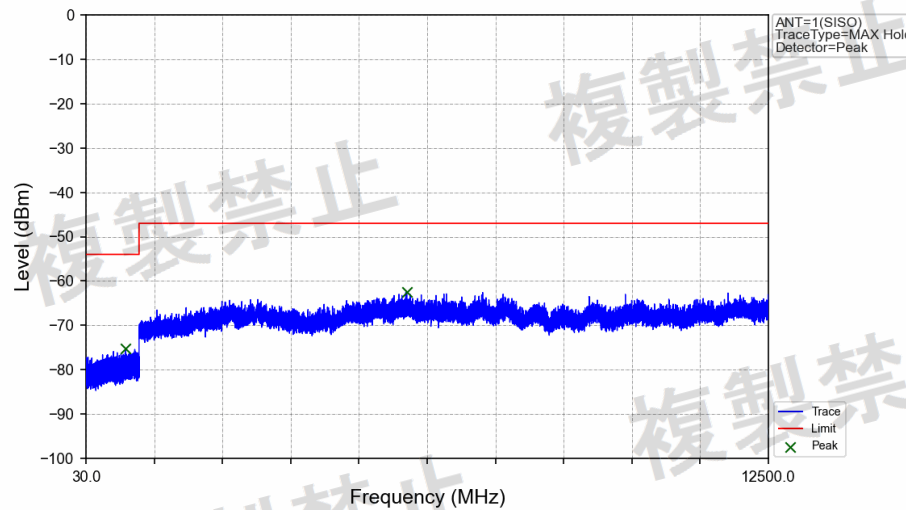


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	793.200	-75.04	/	-54	Pass
1000	12500	1	1	5844.000	-62.47	/	-47	Pass

8DPSK_3DH5_2480MHz_Ant1_NTHV



8DPSK_3DH5_2480MHz_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	755.950	-75.18	/	-54	Pass
1000	12500	1	1	5891.500	-62.54	/	-47	Pass