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Annex for Bluetooth

Test Report No.: CTL2607022041-MIC01

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1. Frequency Error

1.1 Test Result

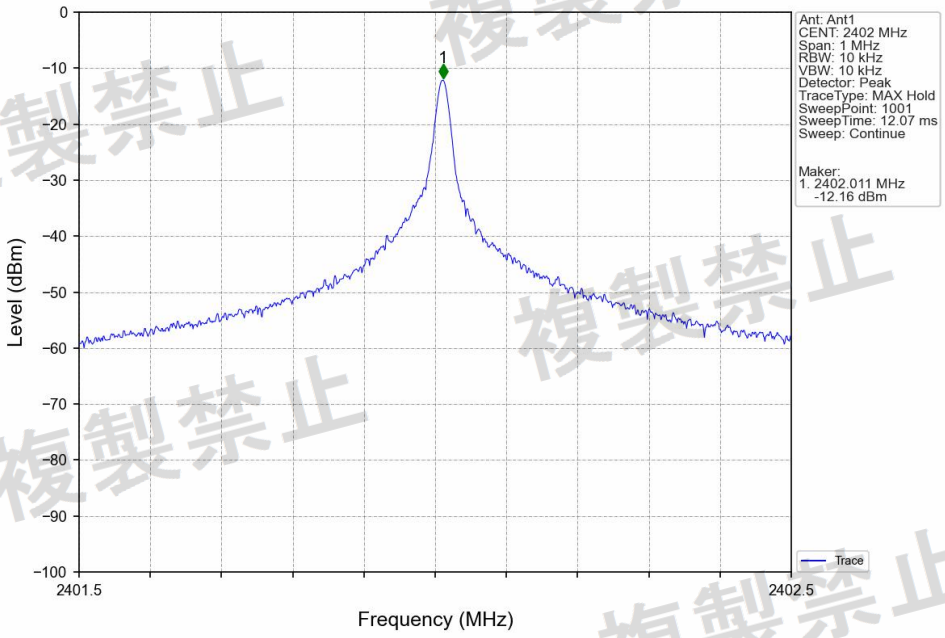
1.1.1 Ant1

Ant1								
ENV	Mode	TX Type	Frequency (MHz)	Packet Type	Measured Frequency (MHz)	Tolerance (ppm)		Verdict
						Result	Limit	
NTNV	Carrier Wave	SISO	2402	DH5	2402.011	4.58	-50 to 50	Pass
			2480	DH5	2480.011	4.44	-50 to 50	Pass
NTLV	Carrier Wave	SISO	2402	DH5	2402.011	4.58	-50 to 50	Pass
			2480	DH5	2480.011	4.44	-50 to 50	Pass
NTHV	Carrier Wave	SISO	2402	DH5	2402.011	4.58	-50 to 50	Pass
			2480	DH5	2480.011	4.44	-50 to 50	Pass

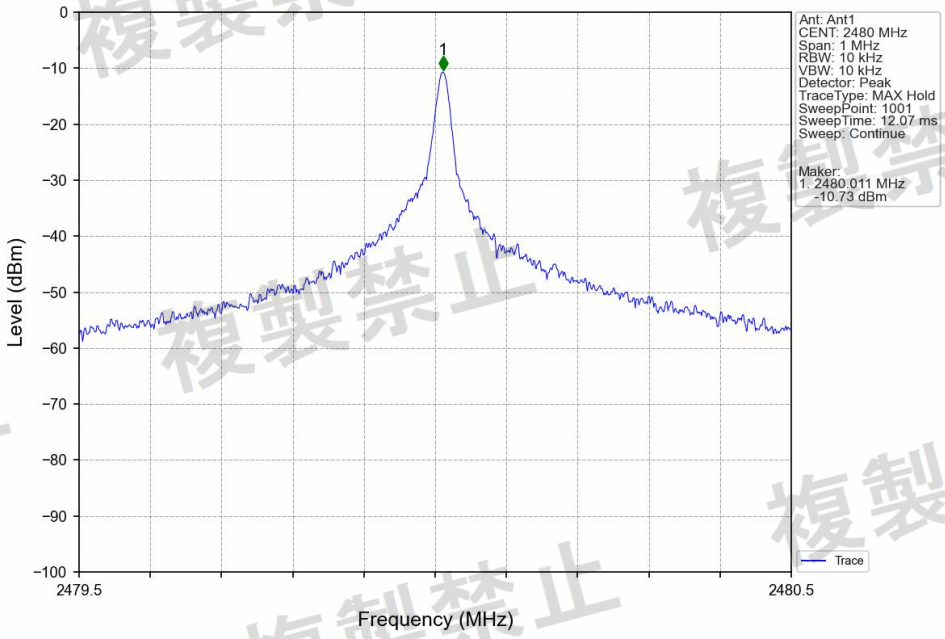
1.2 Test Graph

1.2.1 Ant1

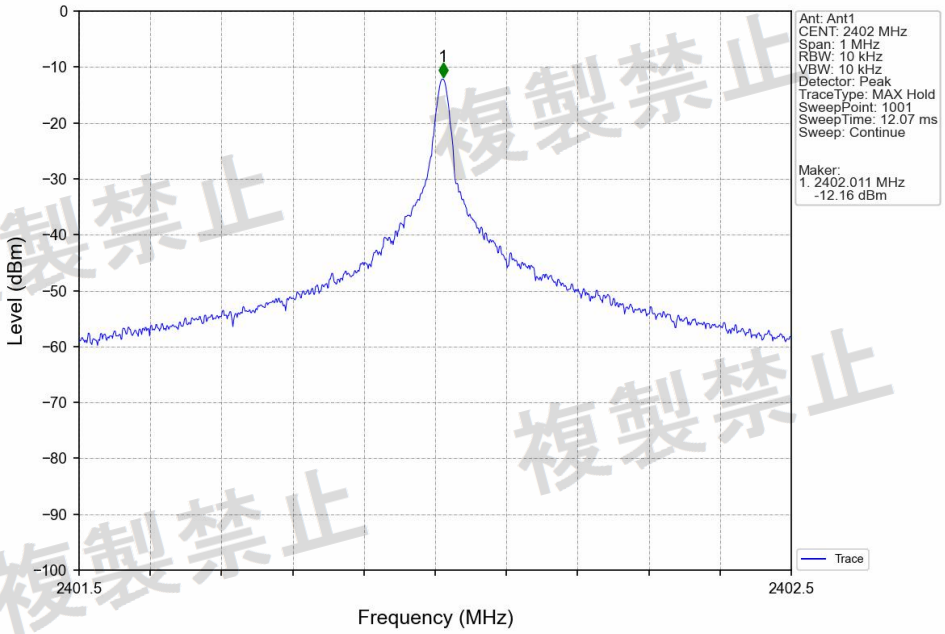
Frequency Error_NTNV_Carrier Wave_2402MHz_Ant1_NTNV



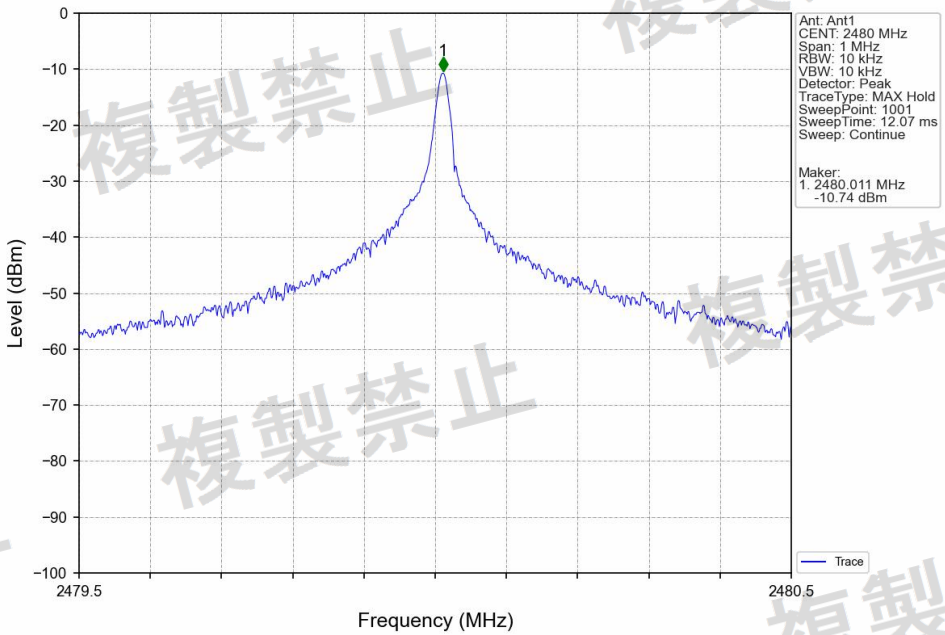
Frequency Error_NTNV_Carrier Wave_2480MHz_Ant1_NTNV



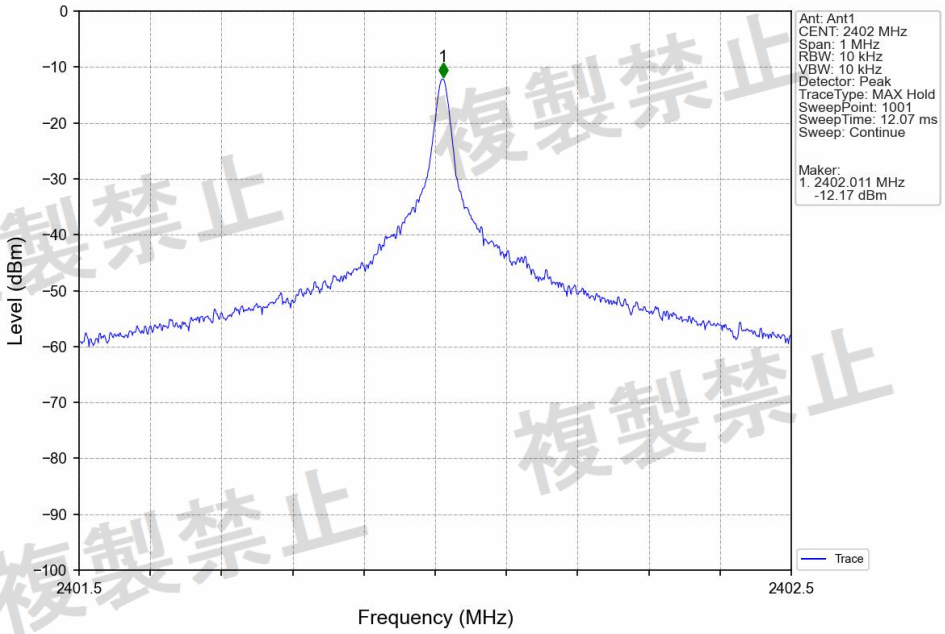
Frequency Error_NTLV_Carrier Wave_2402MHz_Ant1_NTLV



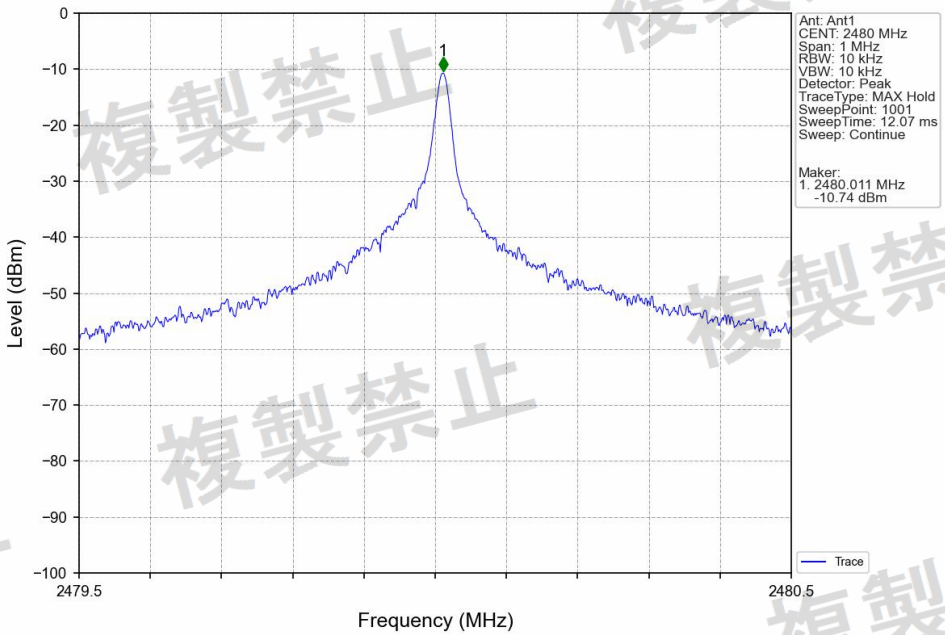
Frequency Error_NTLV_Carrier Wave_2480MHz_Ant1_NTLV



Frequency Error_NTHV_Carrier Wave_2402MHz_Ant1_NTHV



Frequency Error_NTHV_Carrier Wave_2480MHz_Ant1_NTHV



2. Occupied Bandwidth

2.1 Test Result

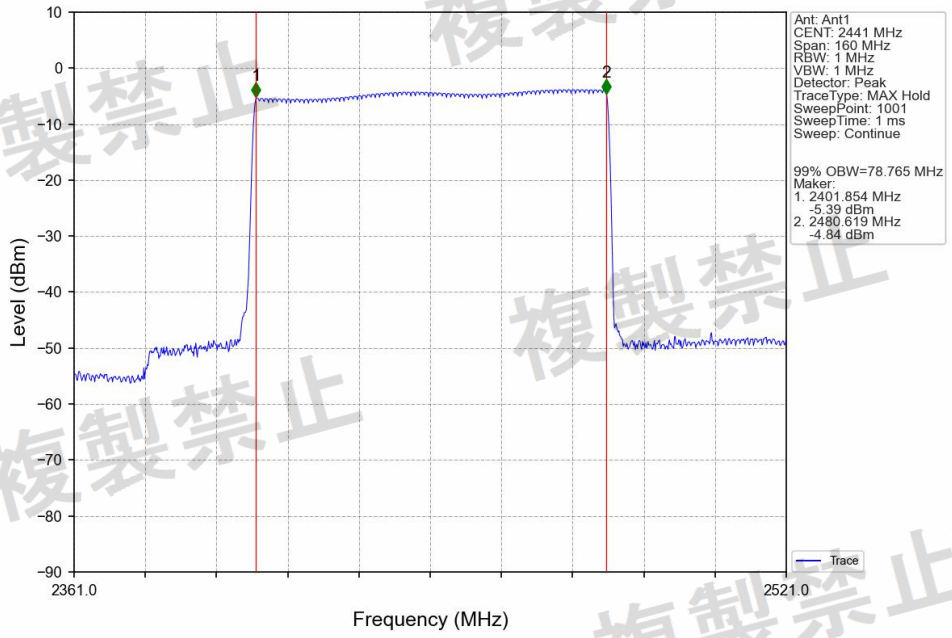
2.1.1 OBW

ENV	Mode	TX Type	Frequency (MHz)	Packet Type	99% Occupied Bandwidth (MHz)		Verdict
					ANT1	Limit	
NTNV	GFSK	SISO	HOPP	DH5	78.765	<=83.5	Pass
	Pi/4DQPSK	SISO	HOPP	2DH5	78.877	<=83.5	Pass
	8DPSK	SISO	HOPP	3DH5	78.826	<=83.5	Pass
NTLV	GFSK	SISO	HOPP	DH5	78.767	<=83.5	Pass
	Pi/4DQPSK	SISO	HOPP	2DH5	78.862	<=83.5	Pass
	8DPSK	SISO	HOPP	3DH5	78.824	<=83.5	Pass
NTHV	GFSK	SISO	HOPP	DH5	78.767	<=83.5	Pass
	Pi/4DQPSK	SISO	HOPP	2DH5	78.841	<=83.5	Pass
	8DPSK	SISO	HOPP	3DH5	78.885	<=83.5	Pass

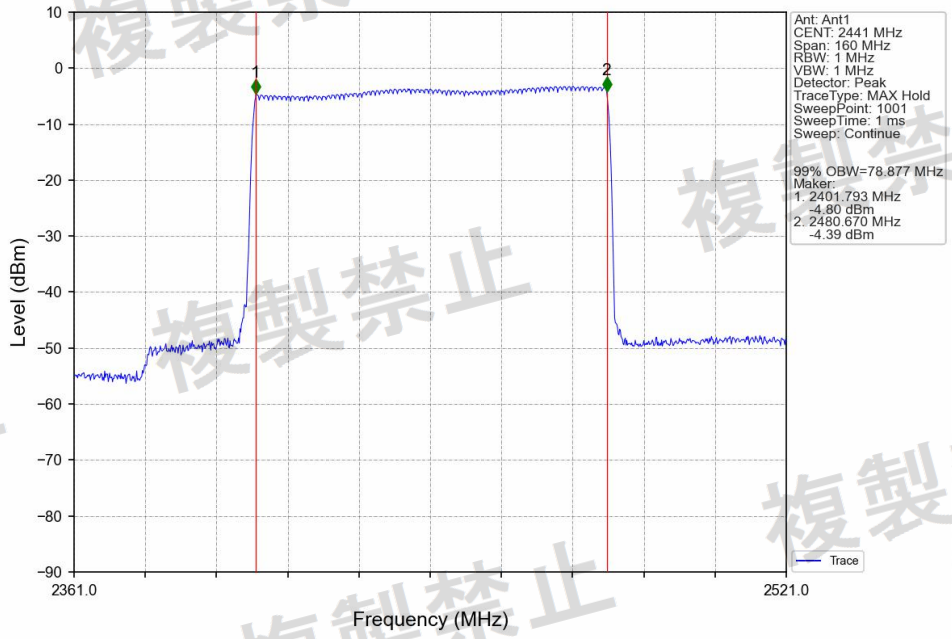
2.2 Test Graph

2.2.1 OBW

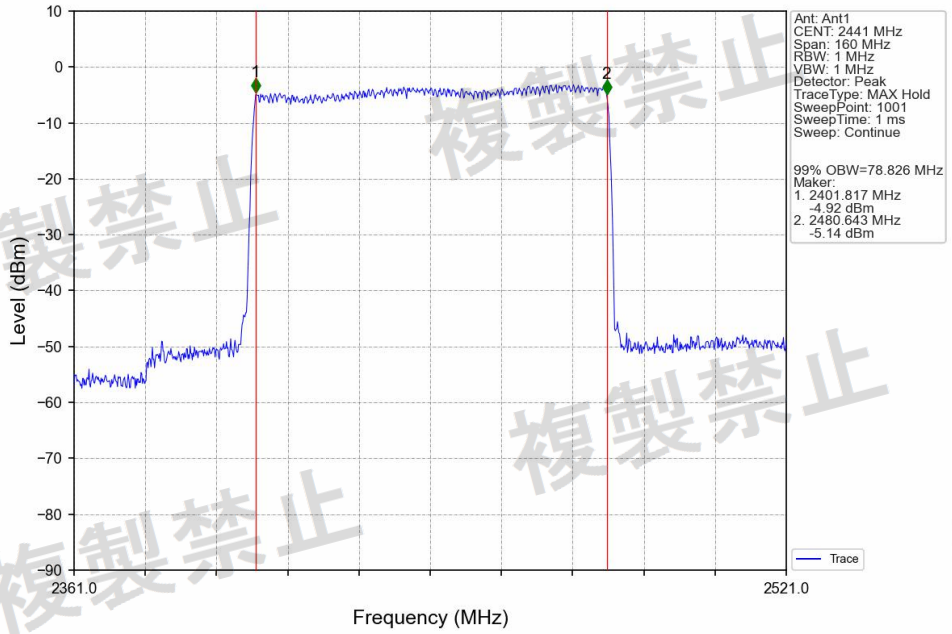
GFSK_DH5_HOPP_Ant1_NTNV



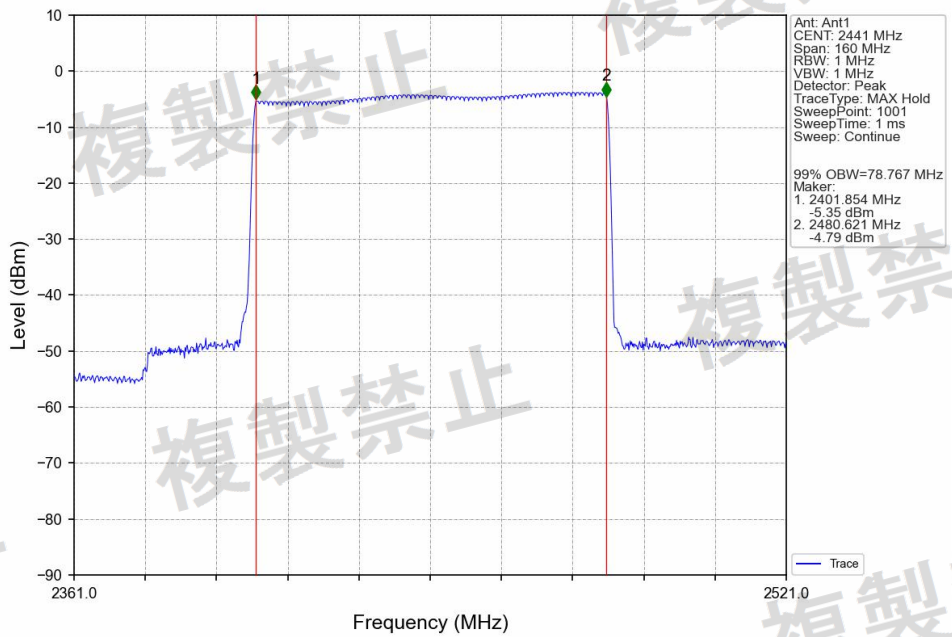
Pi/4DQPSK_2DH5_HOPP_Ant1_NTNV



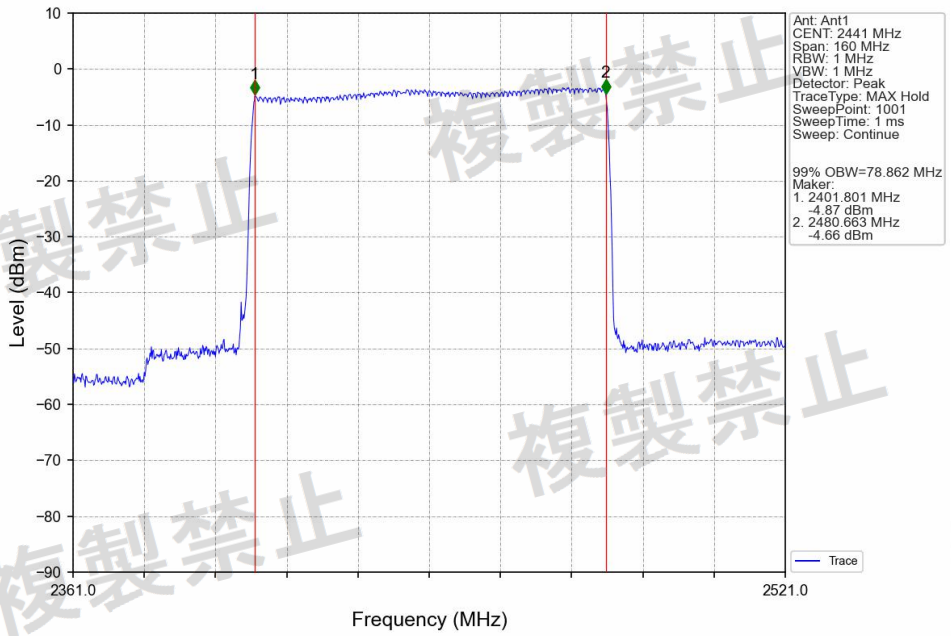
8DPSK_3DH5_HOPP_Ant1_NTNV



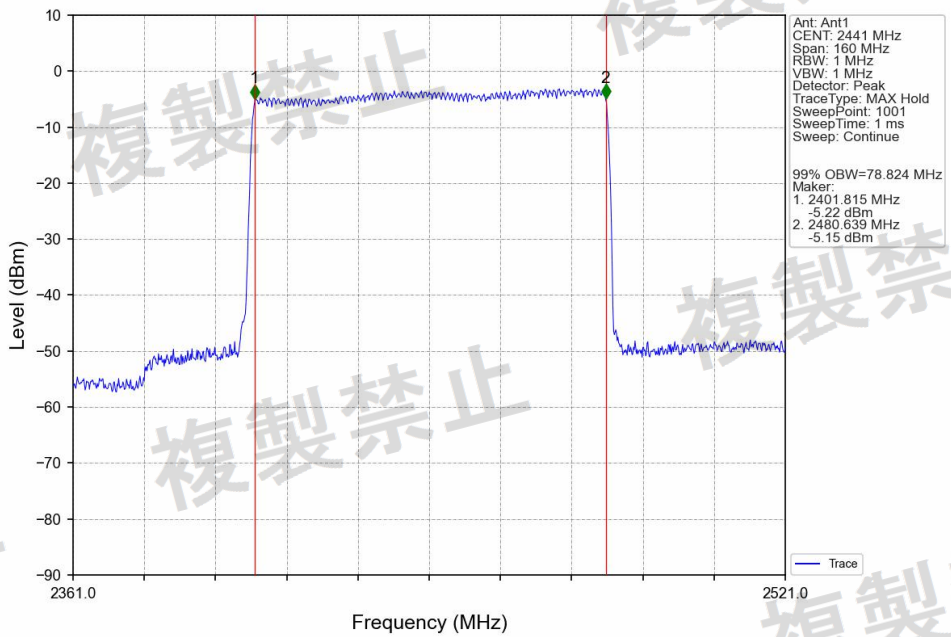
GFSK_DH5_HOPP_Ant1_NTLV



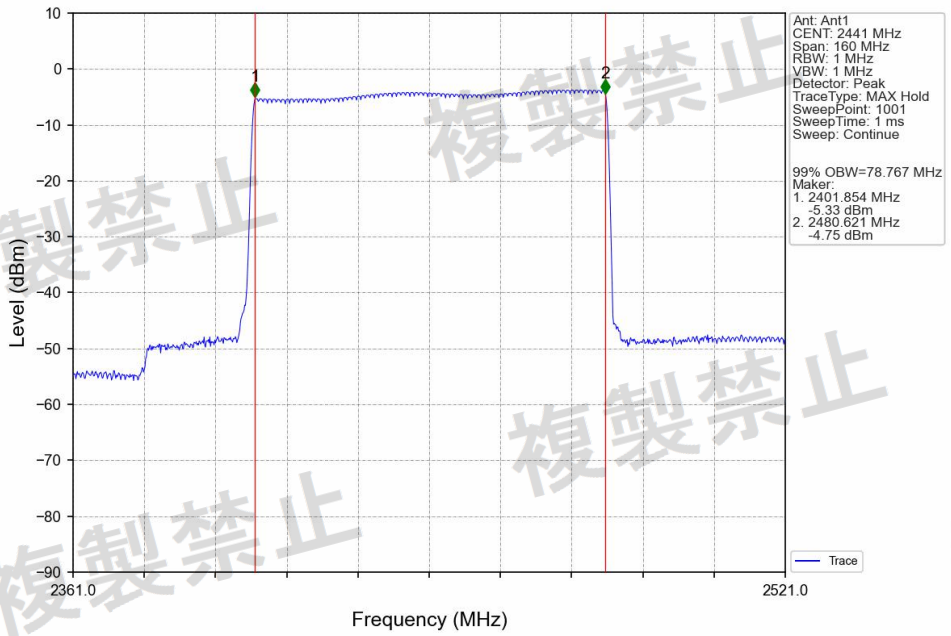
Pi/4DQPSK_2DH5_HOPP_Ant1_NTLV



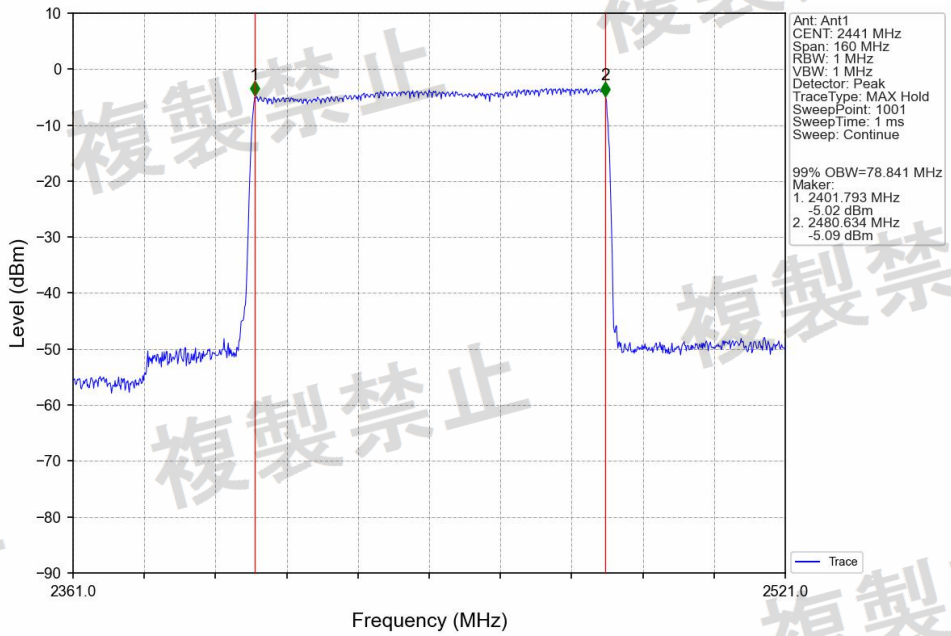
8DPSK_3DH5_HOPP_Ant1_NTLV

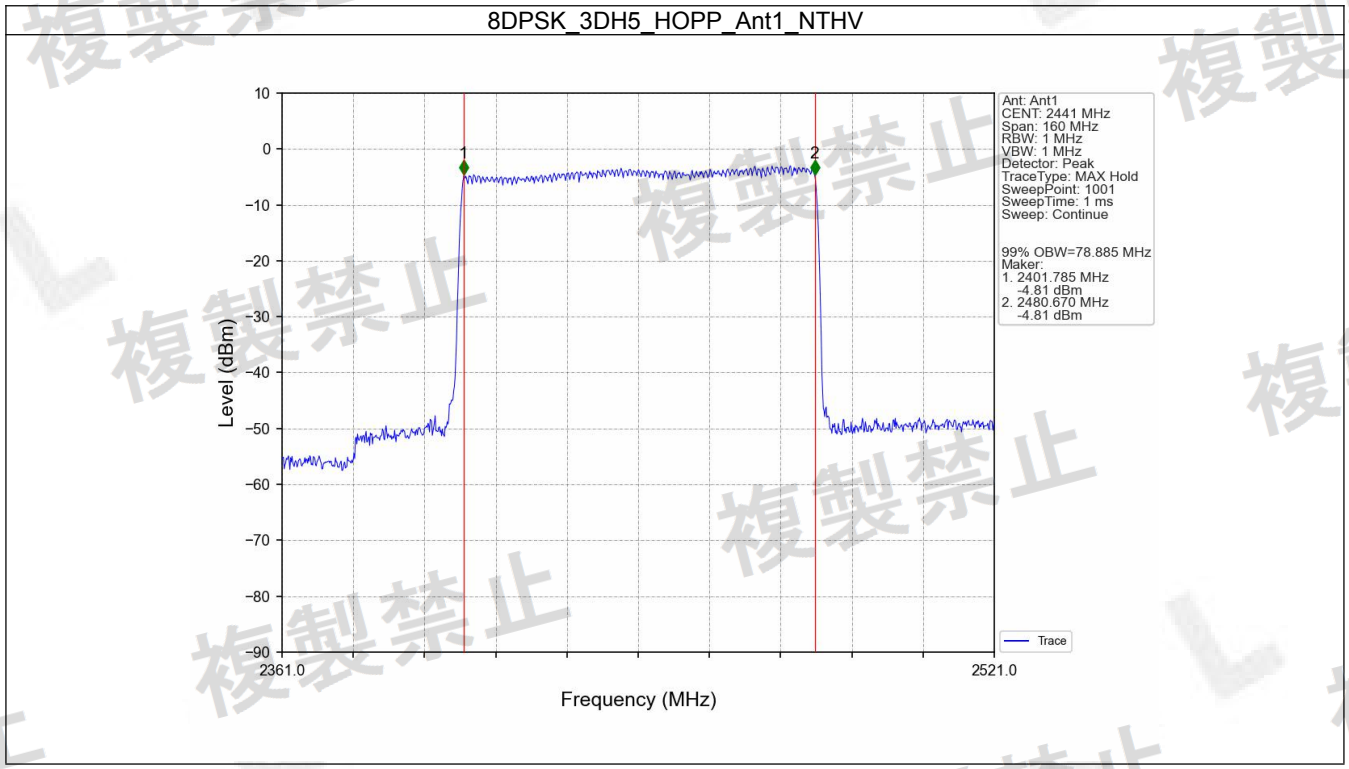


GFSK_DH5_HOPP_Ant1_NTHV



Pi/4DQPSK_2DH5_HOPP_Ant1_NTHV




8DPSK_3DH5_HOPP_Ant1_NTHV
Ant: Ant1
CENT: 2441 MHz
Span: 160 MHz
RBW: 1 MHz
VBW: 1 MHz
Detector: Peak
TraceType: MAX Hold
SweepPoint: 1001
SweepTime: 1 ms
Sweep: Continue
99% OBW=78.885 MHz
Maker:
1. 2401.785 MHz
-4.81 dBm
2. 2480.670 MHz
-4.81 dBm
Trace
Level (dBm)
Frequency (MHz)
2361.0
2521.0

3. Spread Bandwidth

3.1 Test Result

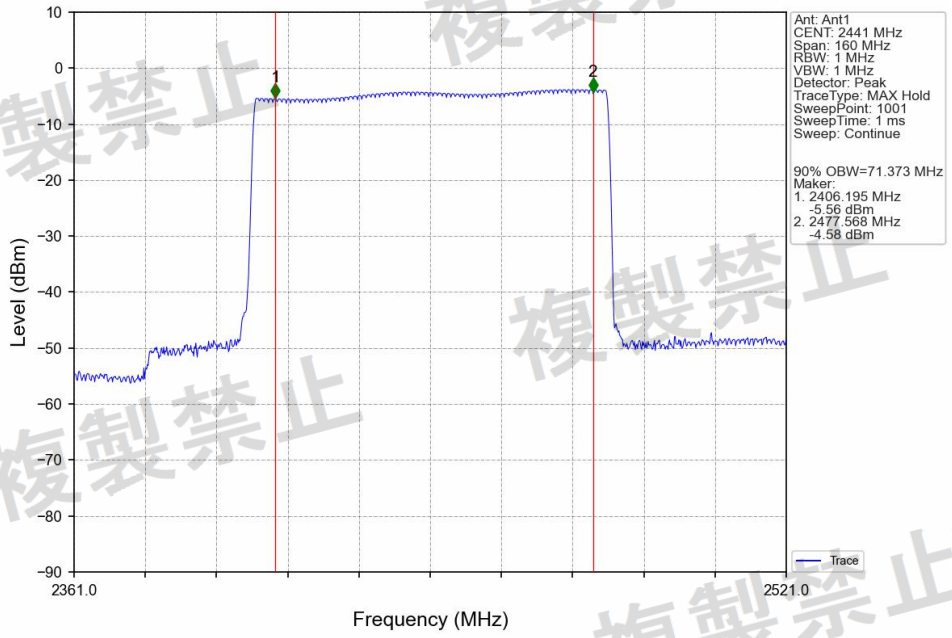
3.1.1 SPBW

ENV	Mode	TX Type	Frequency (MHz)	Packet Type	Spread Bandwidth (MHz)		Verdict
					ANT1	Limit	
NTNV	GFSK	SISO	HOPP	DH5	71.373	/	Only For Report
	Pi/4DQPSK	SISO	HOPP	2DH5	71.486	/	Only For Report
	8DPSK	SISO	HOPP	3DH5	71.457	/	Only For Report
NTLV	GFSK	SISO	HOPP	DH5	71.374	/	Only For Report
	Pi/4DQPSK	SISO	HOPP	2DH5	71.415	/	Only For Report
	8DPSK	SISO	HOPP	3DH5	71.424	/	Only For Report
NTHV	GFSK	SISO	HOPP	DH5	71.367	/	Only For Report
	Pi/4DQPSK	SISO	HOPP	2DH5	71.398	/	Only For Report
	8DPSK	SISO	HOPP	3DH5	71.540	/	Only For Report

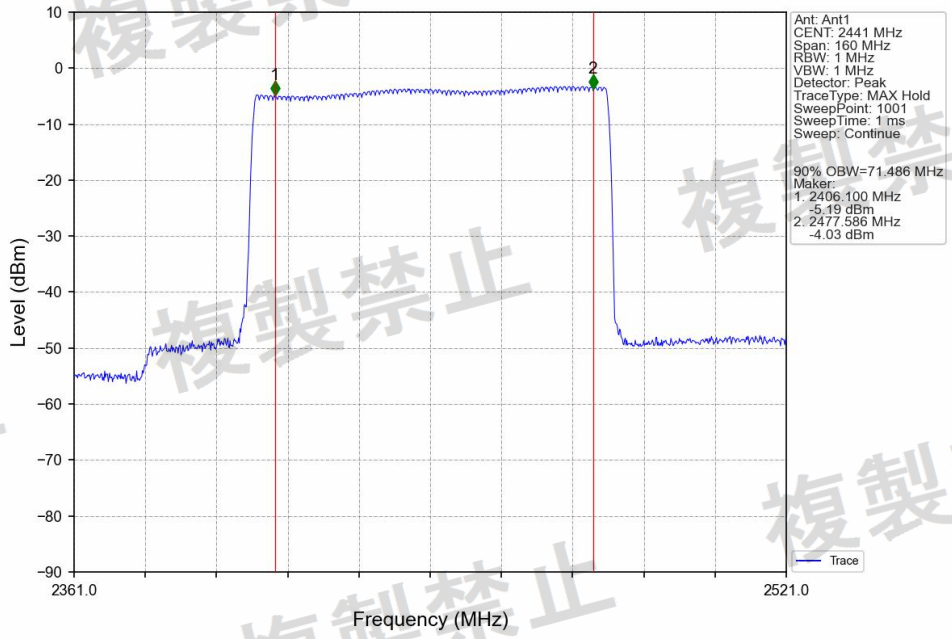
3.2 Test Graph

3.2.1 SPBW

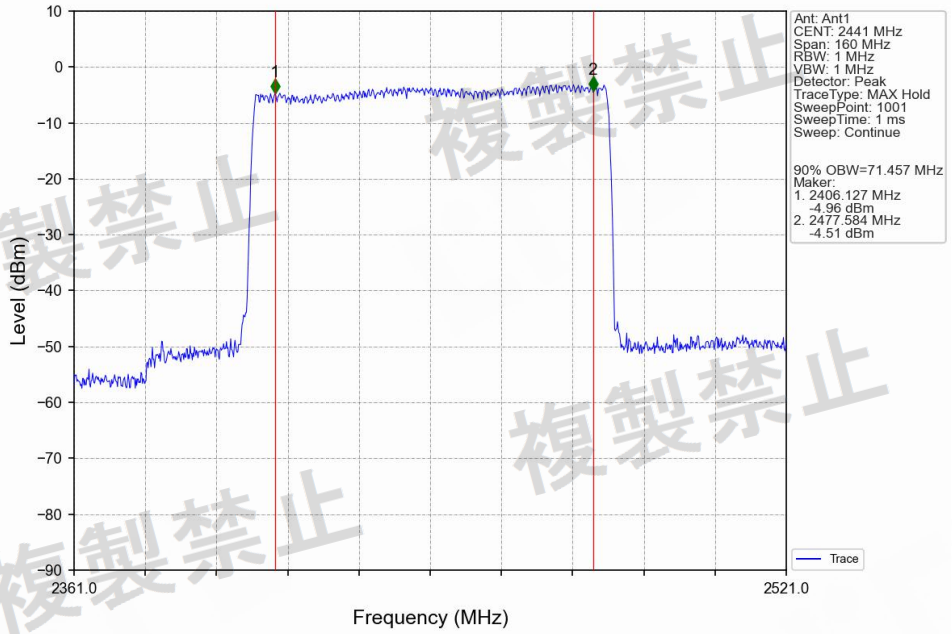
GFSK_DH5_HOPP_Ant1_NTNV



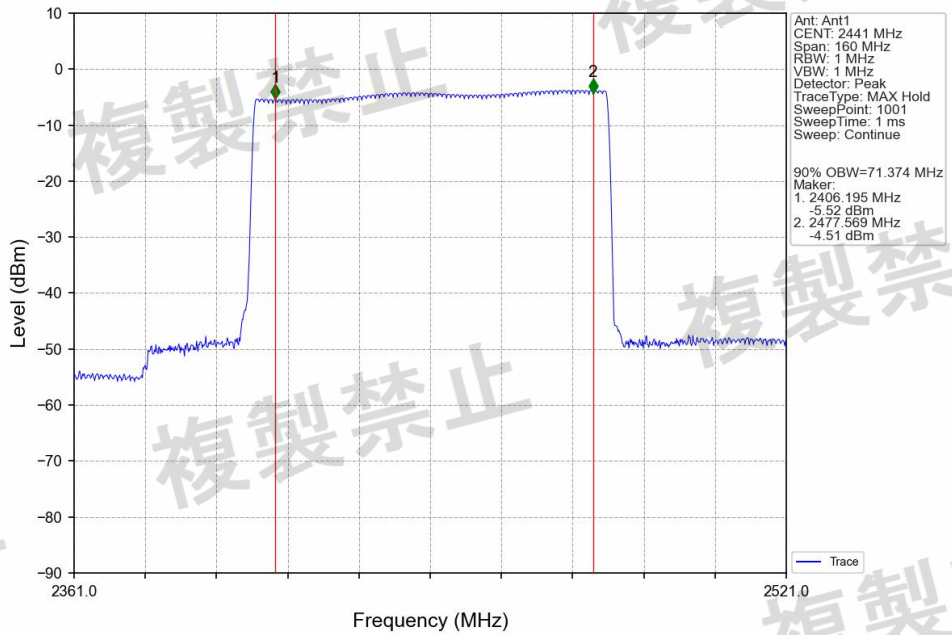
Pi/4DQPSK_2DH5_HOPP_Ant1_NTNV



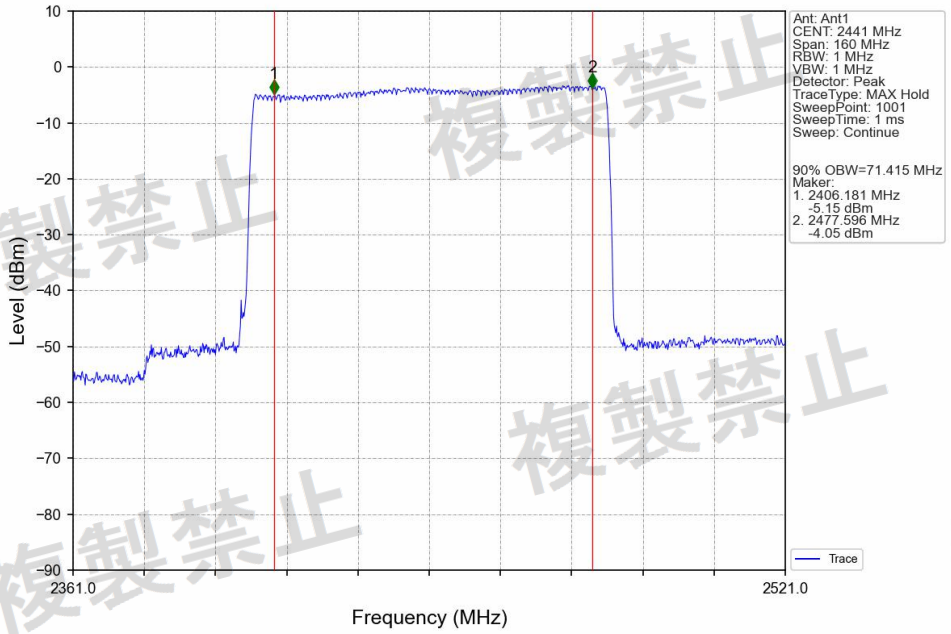
8DPSK_3DH5_HOPP_Ant1_NTNV



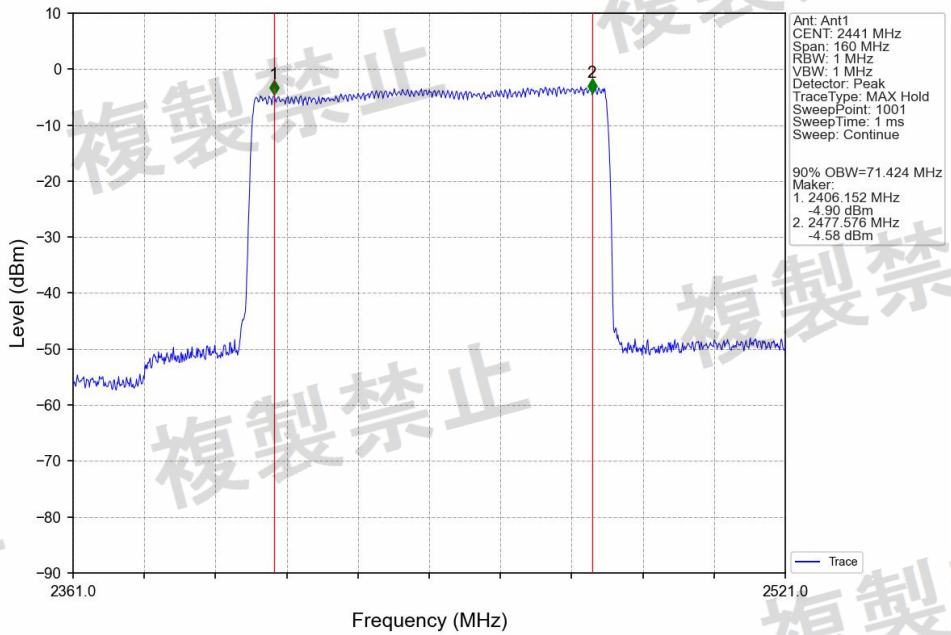
GFSK_DH5_HOPP_Ant1_NTLV



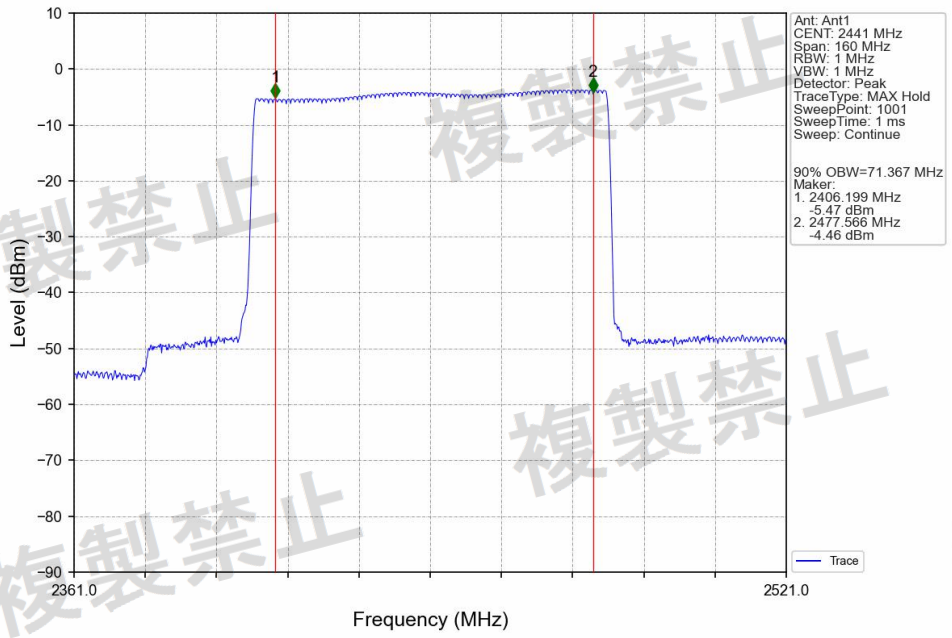
Pi/4DQPSK_2DH5_HOPP_Ant1_NTLV



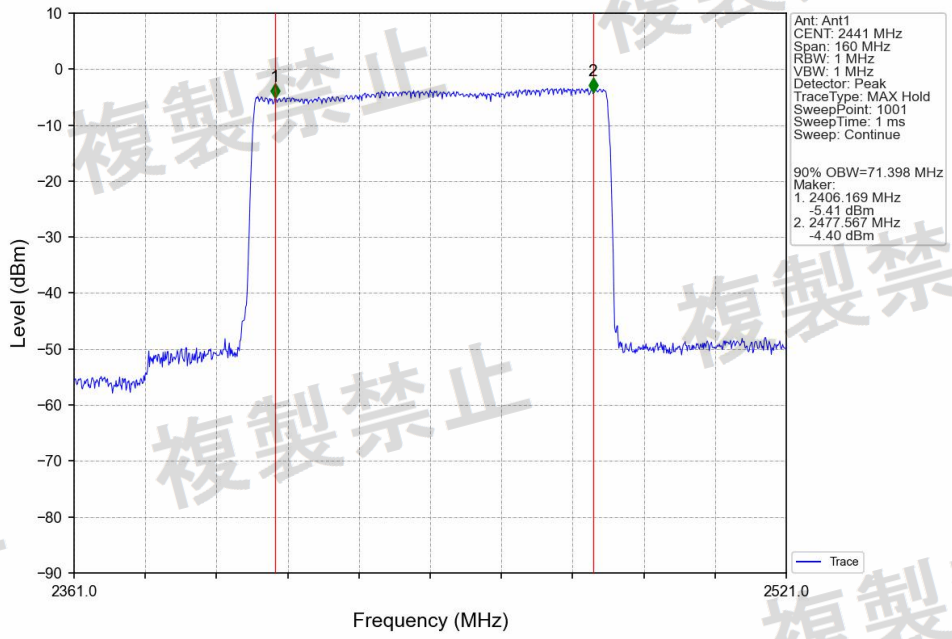
8DPSK_3DH5_HOPP_Ant1_NTLV

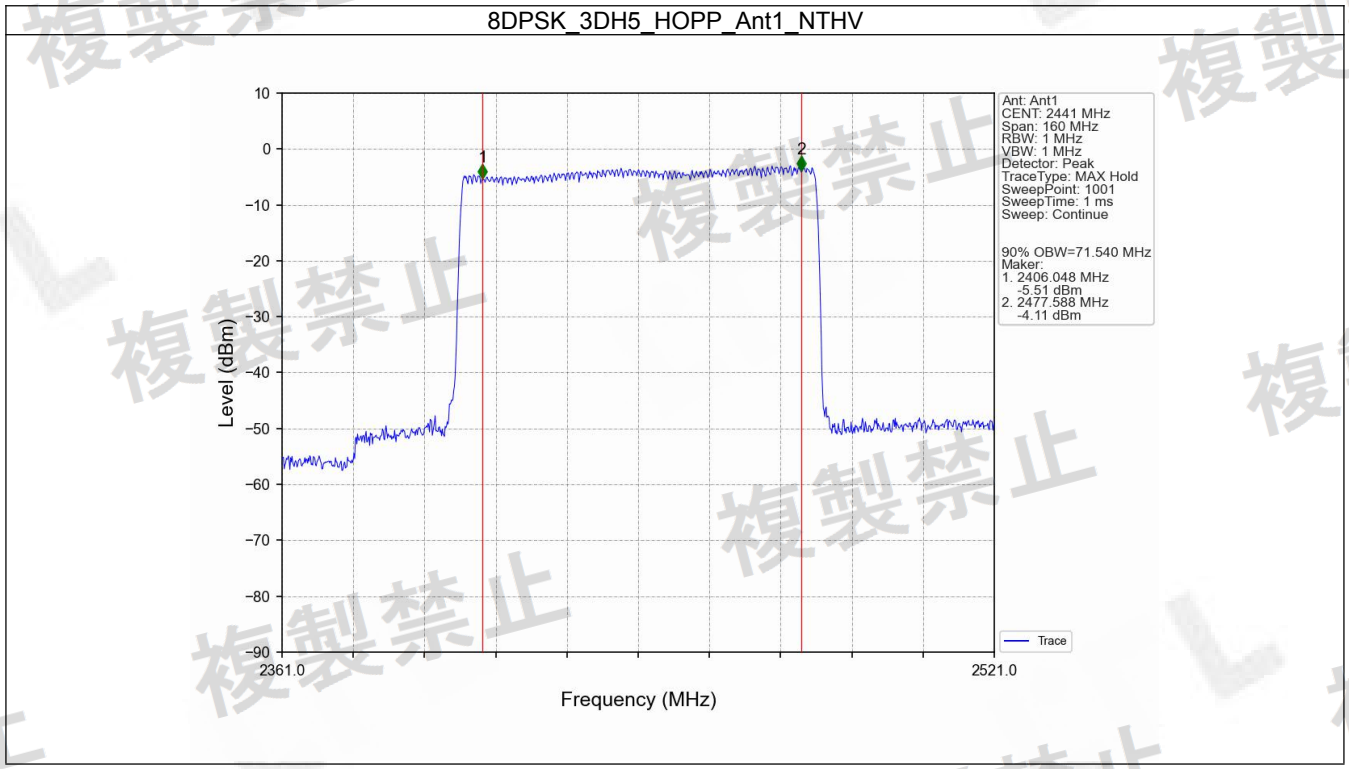


GFSK_DH5_HOPP_Ant1_NTHV



Pi/4DQPSK_2DH5_HOPP_Ant1_NTHV




8DPSK_3DH5_HOPP_Ant1_NTHV
Ant: Ant1
CENT: 2441 MHz
Span: 160 MHz
RBW: 1 MHz
VBW: 1 MHz
Detector: Peak
TraceType: MAX Hold
SweepPoint: 1001
SweepTime: 1 ms
Sweep: Continue
90% OBW=71.540 MHz
Maker:
1. 2406.048 MHz
-5.51 dBm
2. 2477.588 MHz
-4.11 dBm
Trace
Level (dBm)
Frequency (MHz)
2361.0
2521.0

4. Antenna Power

4.1 Test Result

4.1.1 Power

ENV	Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Power (mW)	Antenna Power (mW/MHz)		Nominal Power (mW/MHz)	Tolerance (%)		Verdict
							Measured	Limit		Measured	Limit	
NTNV	GFSK	SISO	HOPP	DH5	1	0.415	0.006	<=3.00	0.006	0.00	<=20	Pass
	Pi/4DQPSK	SISO	HOPP	2DH5	1	0.220	0.003	<=3.00	0.006	-50.00	<=20	Pass
	8DPSK	SISO	HOPP	3DH5	1	0.228	0.003	<=3.00	0.006	-50.00	<=20	Pass
NTLV	GFSK	SISO	HOPP	DH5	1	0.414	0.006	<=3.00	0.006	0.00	<=20	Pass
	Pi/4DQPSK	SISO	HOPP	2DH5	1	0.257	0.004	<=3.00	0.006	-33.33	<=20	Pass
	8DPSK	SISO	HOPP	3DH5	1	0.289	0.004	<=3.00	0.006	-33.33	<=20	Pass
NTHV	GFSK	SISO	HOPP	DH5	1	0.415	0.006	<=3.00	0.006	0.00	<=20	Pass
	Pi/4DQPSK	SISO	HOPP	2DH5	1	0.220	0.003	<=3.00	0.006	-50.00	<=20	Pass
	8DPSK	SISO	HOPP	3DH5	1	0.292	0.004	<=3.00	0.006	-33.33	<=20	Pass
Note: Antenna Power(mW/MHz) = AVG Power(mW)/Spread Bandwidth(MHz)												

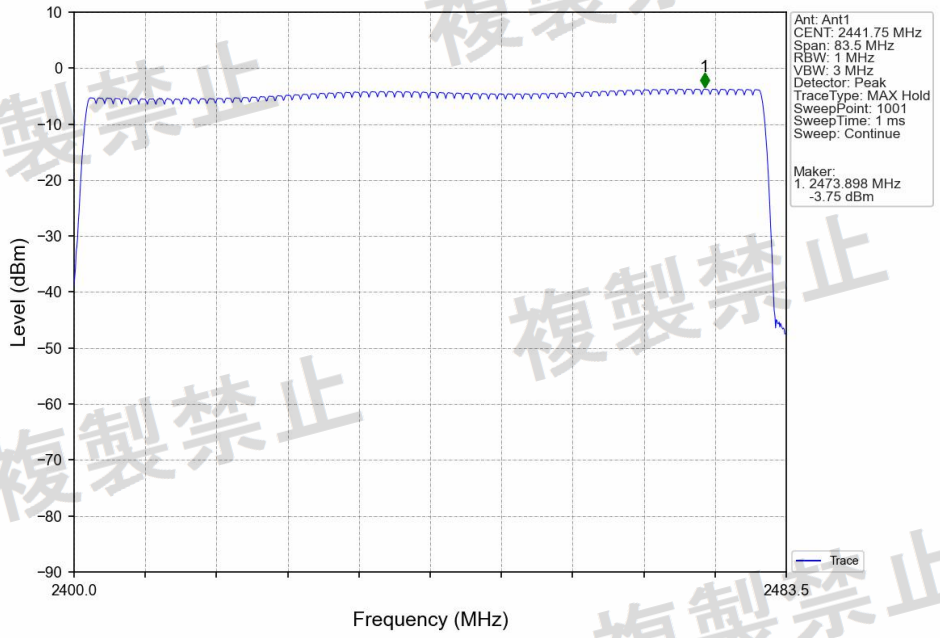
4.1.2 EIRP

ENV	Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Gain (dBi)	EIRP (dBm/MHz)		Verdict
							Result	Limit	
NTNV	GFSK	SISO	HOPP	DH5	1	2.27	-20.08	<=6.91	Pass
	Pi/4DQPSK	SISO	HOPP	2DH5	1	2.27	-22.85	<=6.91	Pass
	8DPSK	SISO	HOPP	3DH5	1	2.27	-22.69	<=6.91	Pass
NTLV	GFSK	SISO	HOPP	DH5	1	2.27	-20.10	<=6.91	Pass
	Pi/4DQPSK	SISO	HOPP	2DH5	1	2.27	-22.18	<=6.91	Pass
	8DPSK	SISO	HOPP	3DH5	1	2.27	-21.65	<=6.91	Pass
NTHV	GFSK	SISO	HOPP	DH5	1	2.27	-20.09	<=6.91	Pass
	Pi/4DQPSK	SISO	HOPP	2DH5	1	2.27	-22.85	<=6.91	Pass
	8DPSK	SISO	HOPP	3DH5	1	2.27	-21.63	<=6.91	Pass

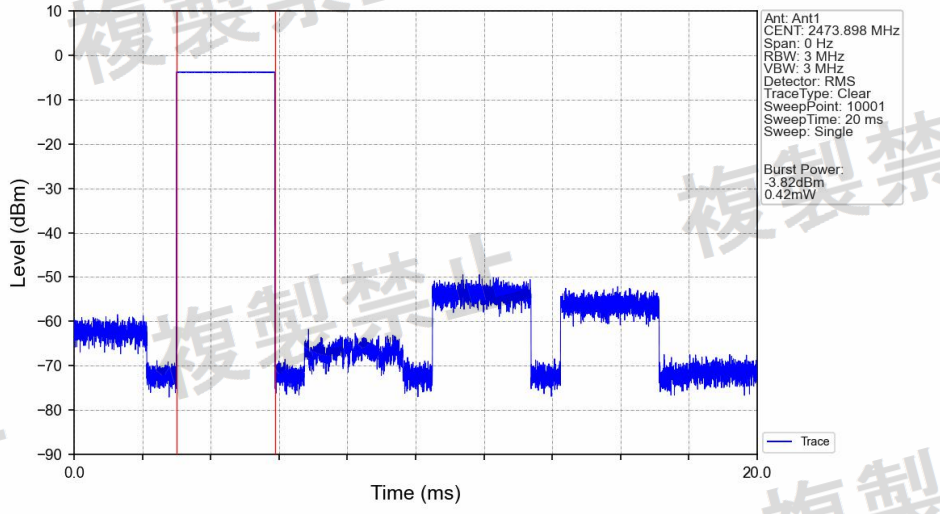
4.2 Test Graph

4.2.1 Power

GFSK_DH5_HOPP_Ant1_NTNV

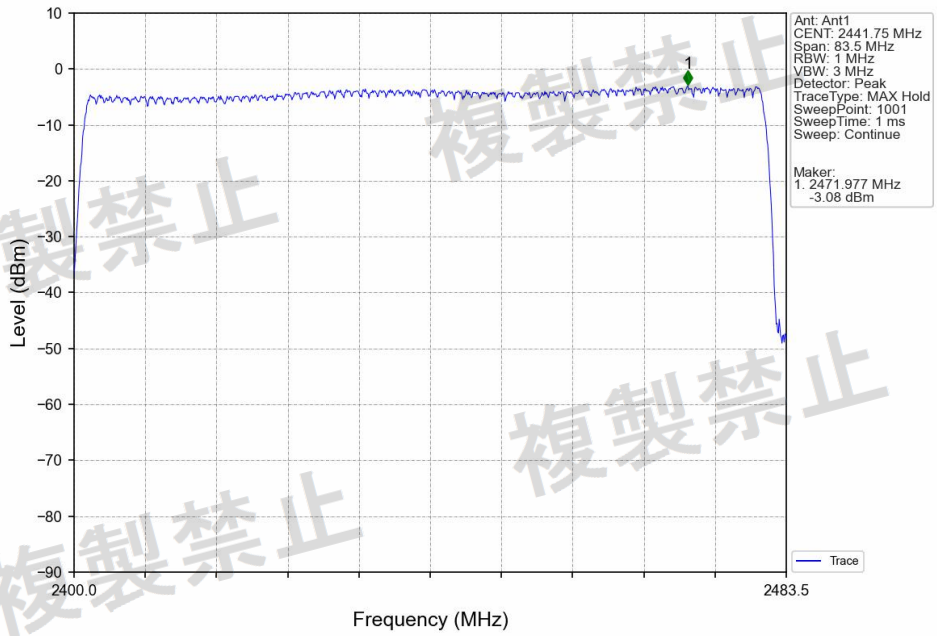


GFSK_DH5_HOPP_Ant1_NTNV

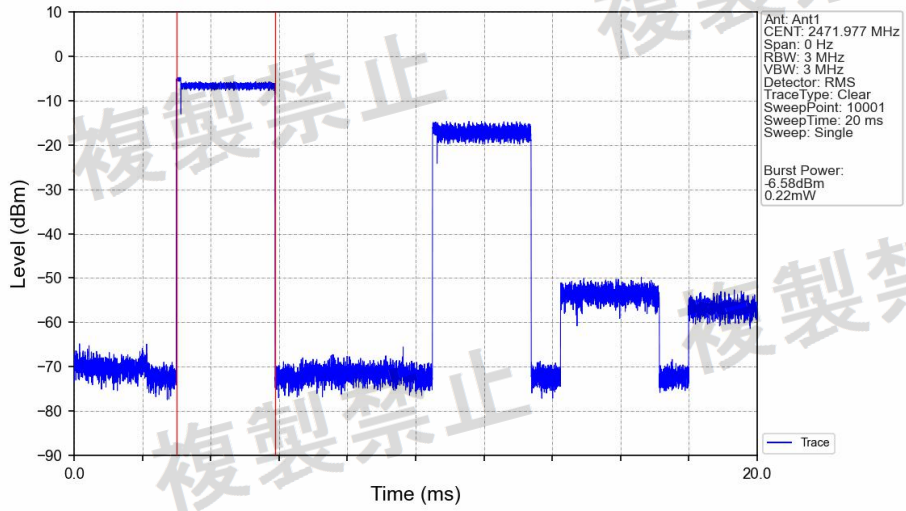


Burst No.	1
Length (ms)	2.886
Power(dBm)	-3.82
Power(mW)	0.415
Remark	Max

Pi/4DQPSK_2DH5_HOPP_Ant1_NTNV

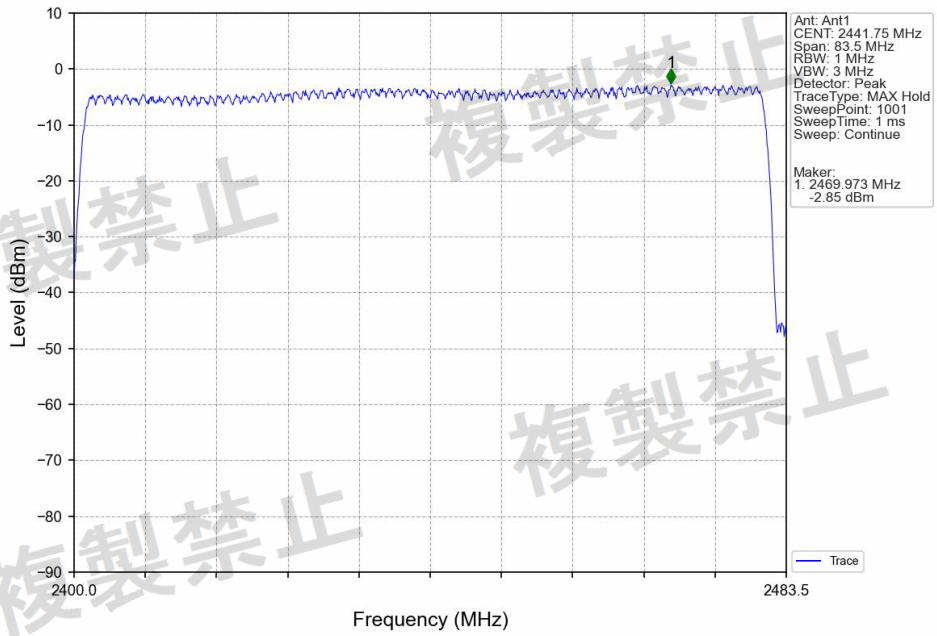


Pi/4DQPSK_2DH5_HOPP_Ant1_NTNV

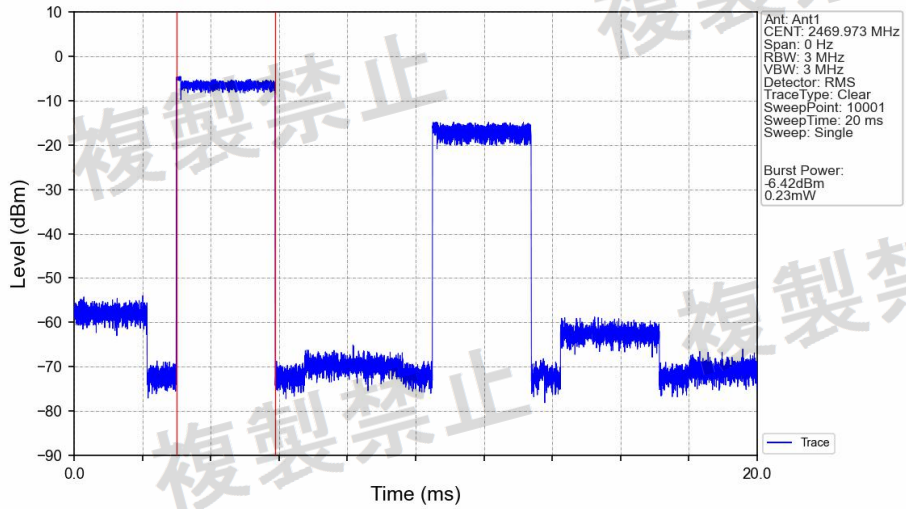


Burst No.	1
Length (ms)	2.886
Power(dBm)	-6.58
Power(mW)	0.220
Remark	Max

8DPSK_3DH5_HOPP_Ant1_NTNV

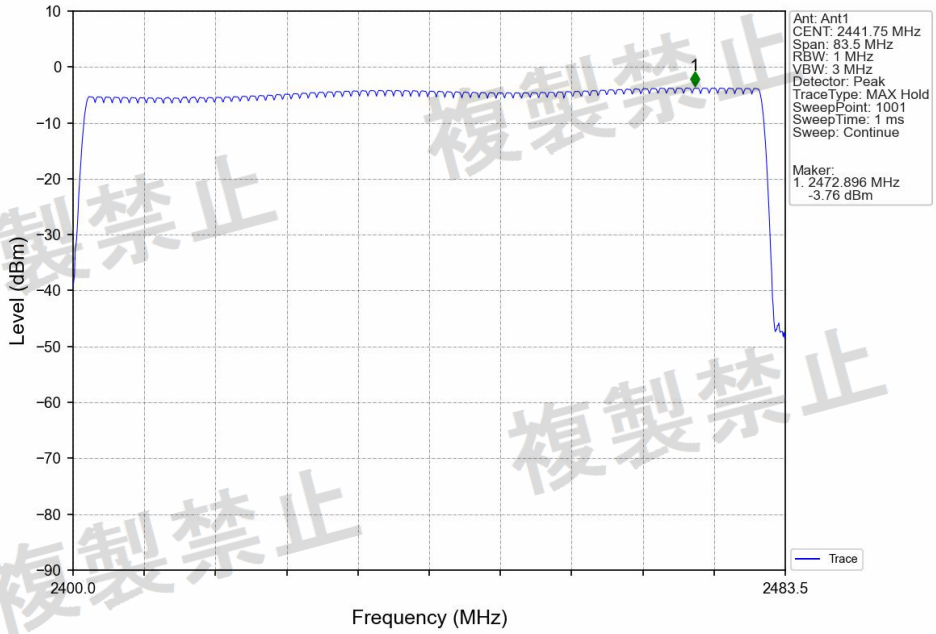


8DPSK_3DH5_HOPP_Ant1_NTNV

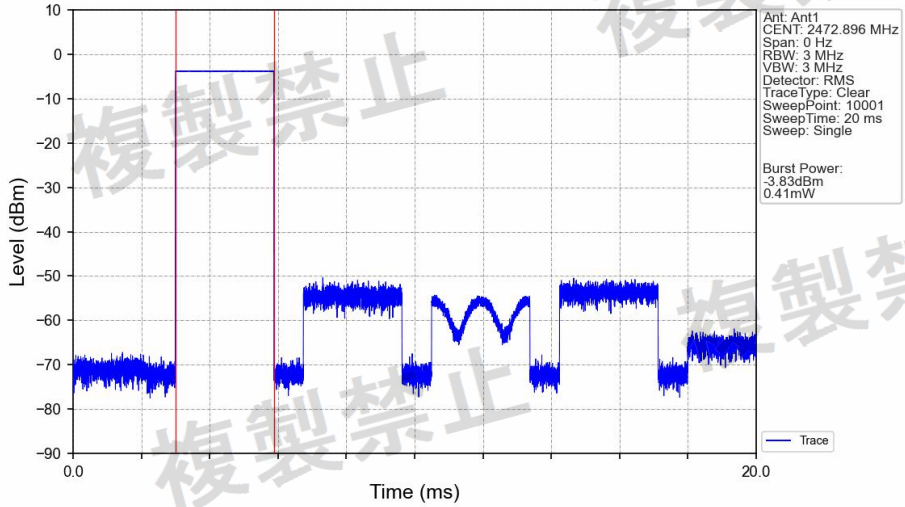


Burst No.	1
Length (ms)	2.886
Power(dBm)	-6.42
Power(mW)	0.228
Remark	Max

GFSK_DH5_HOPP_Ant1_NTLV

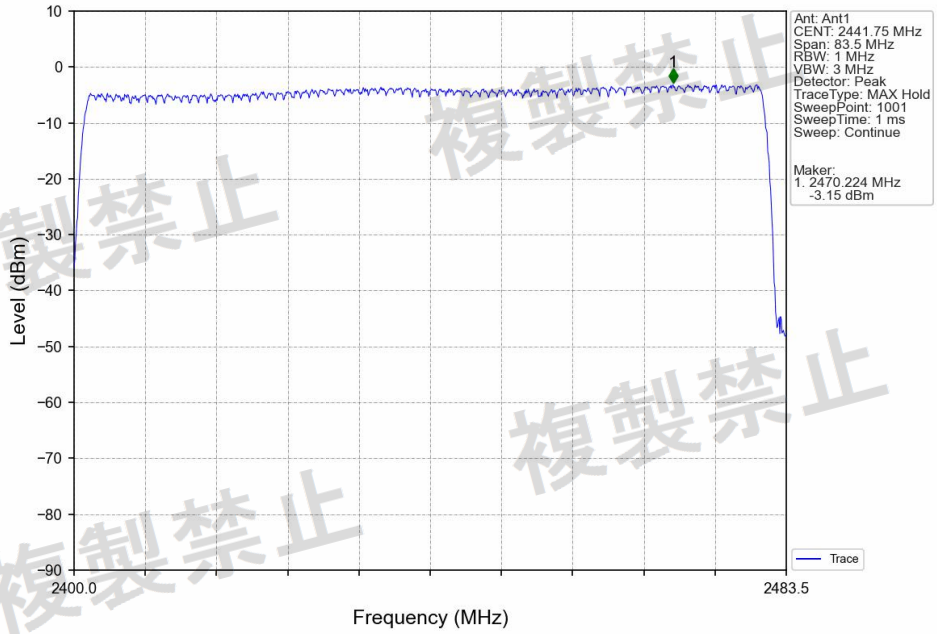


GFSK_DH5_HOPP_Ant1_NTLV

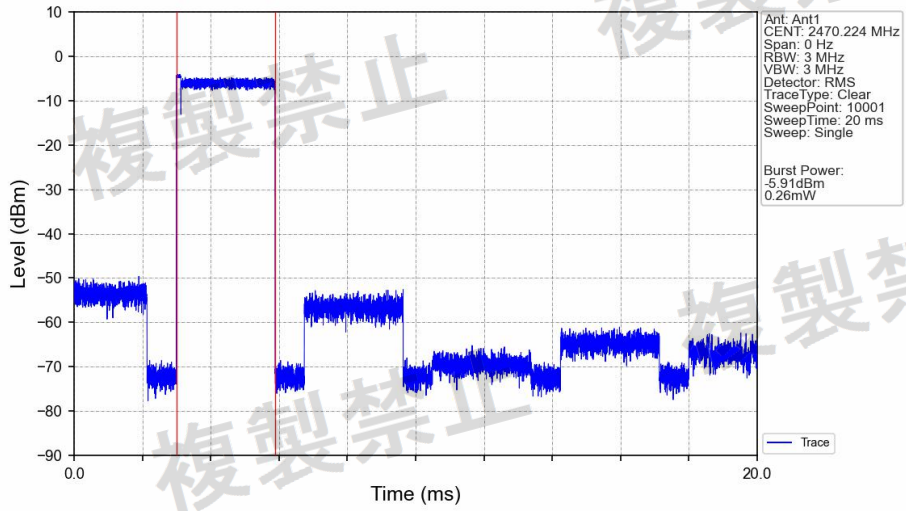


Burst No.	1
Length (ms)	2.886
Power(dBm)	-3.83
Power(mW)	0.414
Remark	Max

Pi/4DQPSK_2DH5_HOPP_Ant1_NTLV

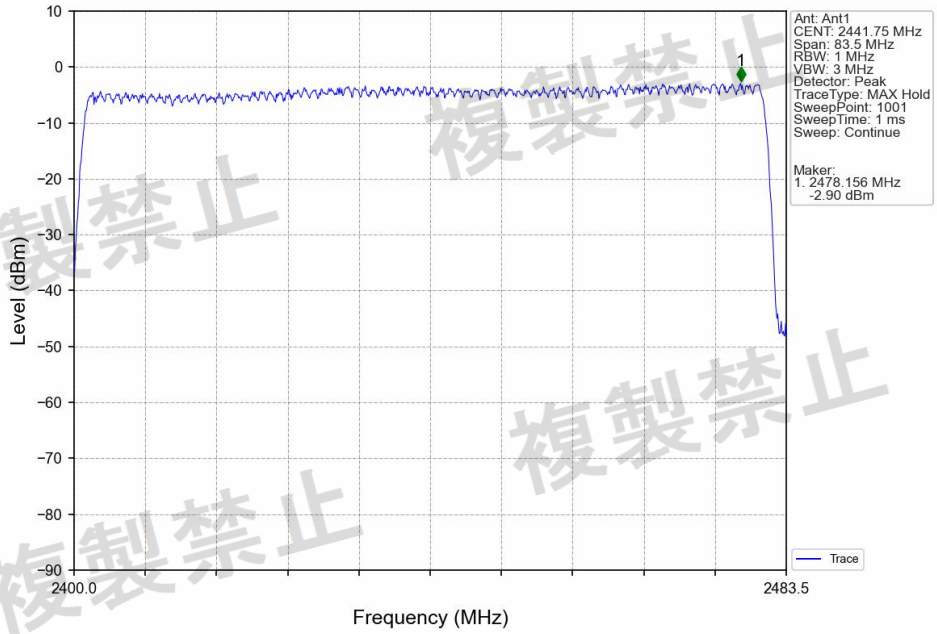


Pi/4DQPSK_2DH5_HOPP_Ant1_NTLV

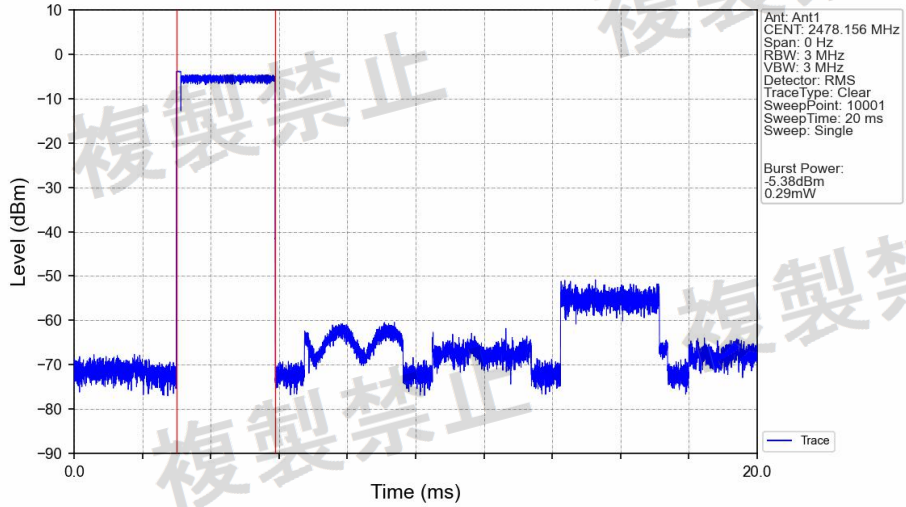


Burst No.	1
Length (ms)	2.892
Power(dBm)	-5.91
Power(mW)	0.257
Remark	Max

8DPSK_3DH5_HOPP_Ant1_NTLV

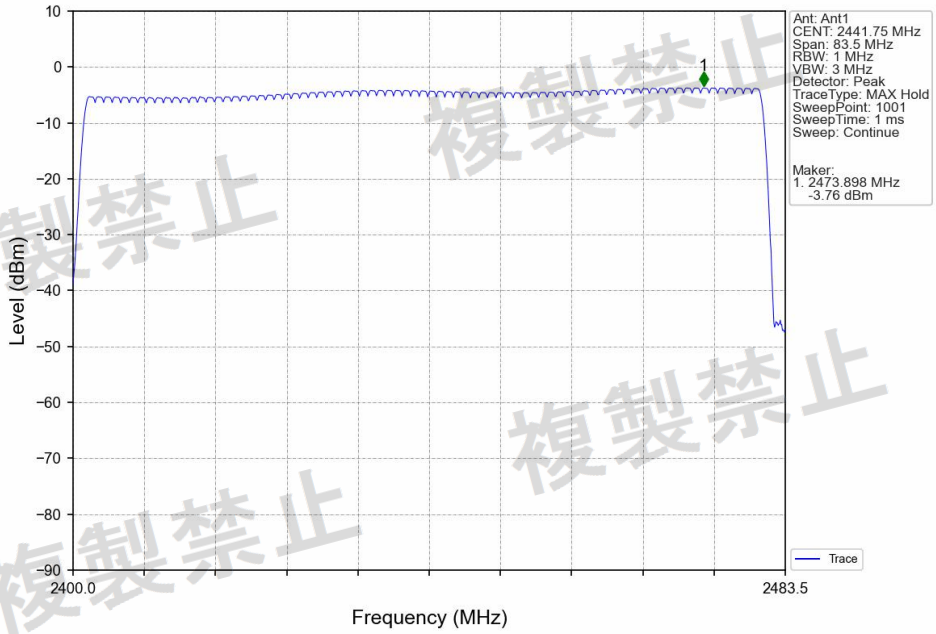


8DPSK_3DH5_HOPP_Ant1_NTLV

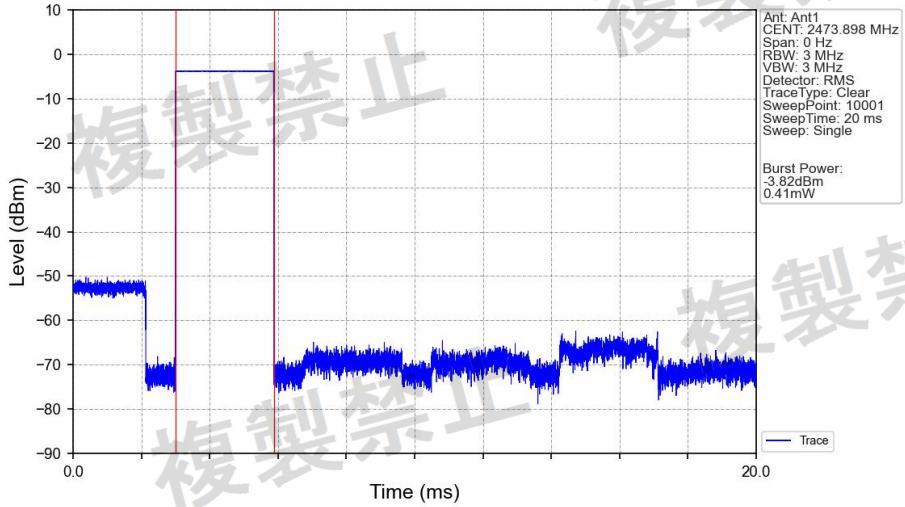


Burst No.	1
Length (ms)	2.894
Power(dBm)	-5.38
Power(mW)	0.289
Remark	Max

GFSK_DH5_HOPP_Ant1_NTHV

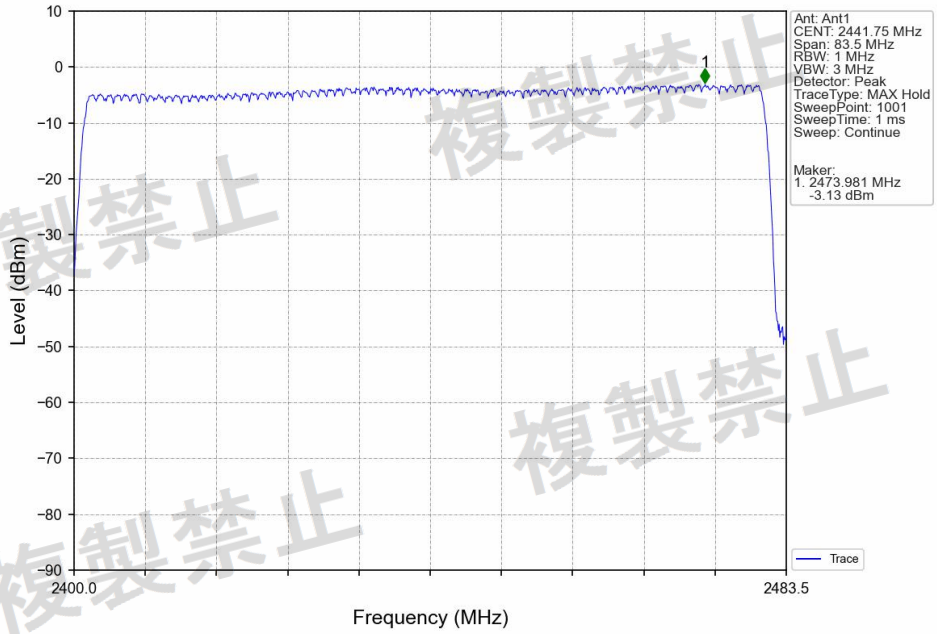


GFSK_DH5_HOPP_Ant1_NTHV

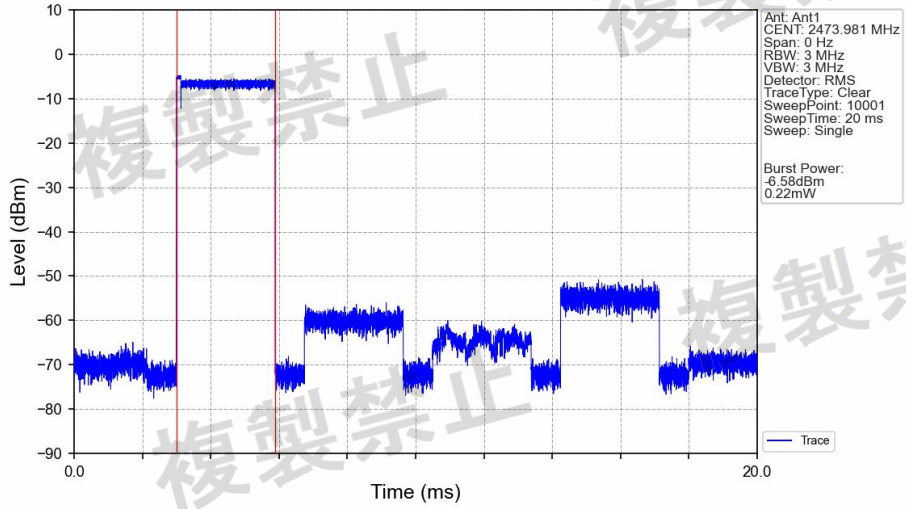


Burst No.	1
Length (ms)	2.886
Power(dBm)	-3.82
Power(mW)	0.415
Remark	Max

Pi/4DQPSK_2DH5_HOPP_Ant1_NTHV

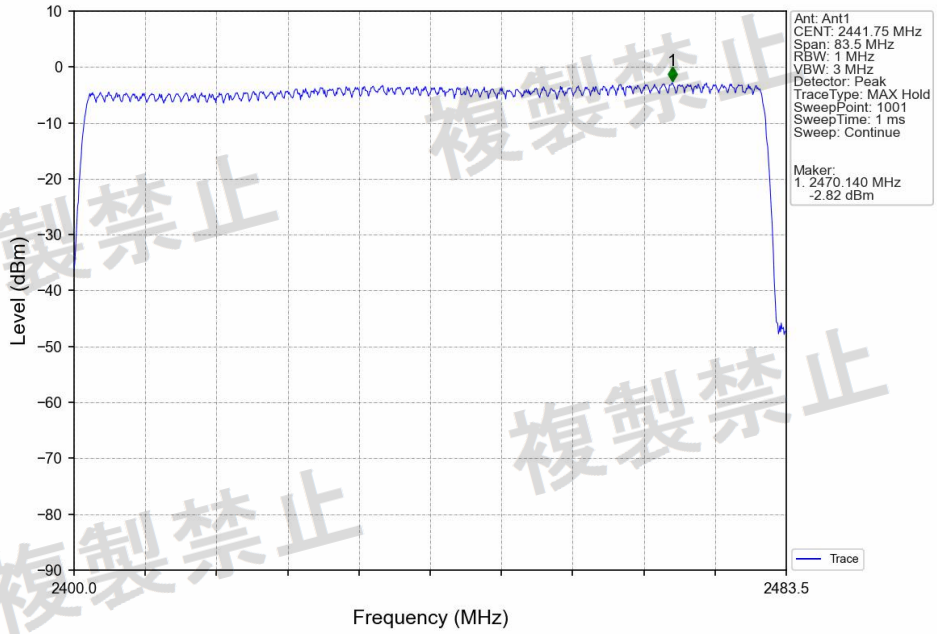


Pi/4DQPSK_2DH5_HOPP_Ant1_NTHV

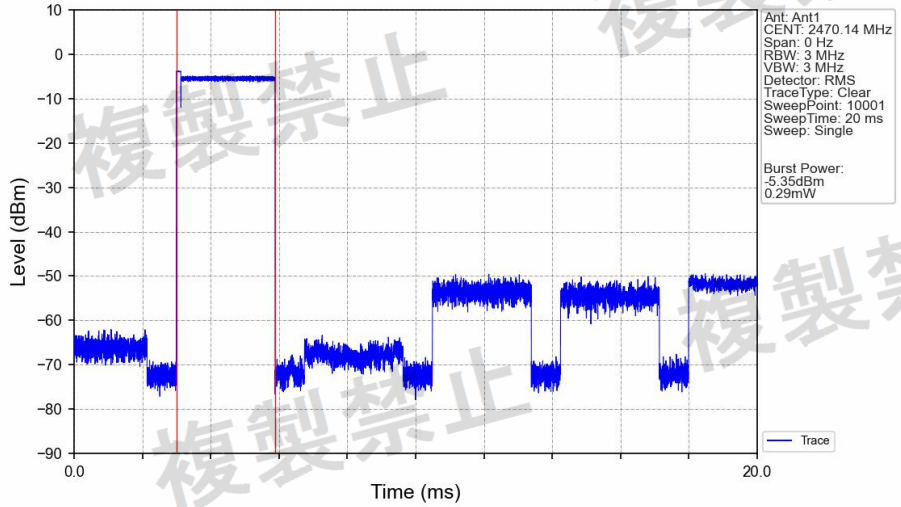


Burst No.	1
Length (ms)	2.892
Power(dBm)	-6.58
Power(mW)	0.220
Remark	Max

8DPSK_3DH5_HOPP_Ant1_NTHV



8DPSK_3DH5_HOPP_Ant1_NTHV



Burst No.	1
Length (ms)	2.894
Power(dBm)	-5.35
Power(mW)	0.292
Remark	Max

5. Dwell Time

5.1 Test Result

5.1.1 Ant1

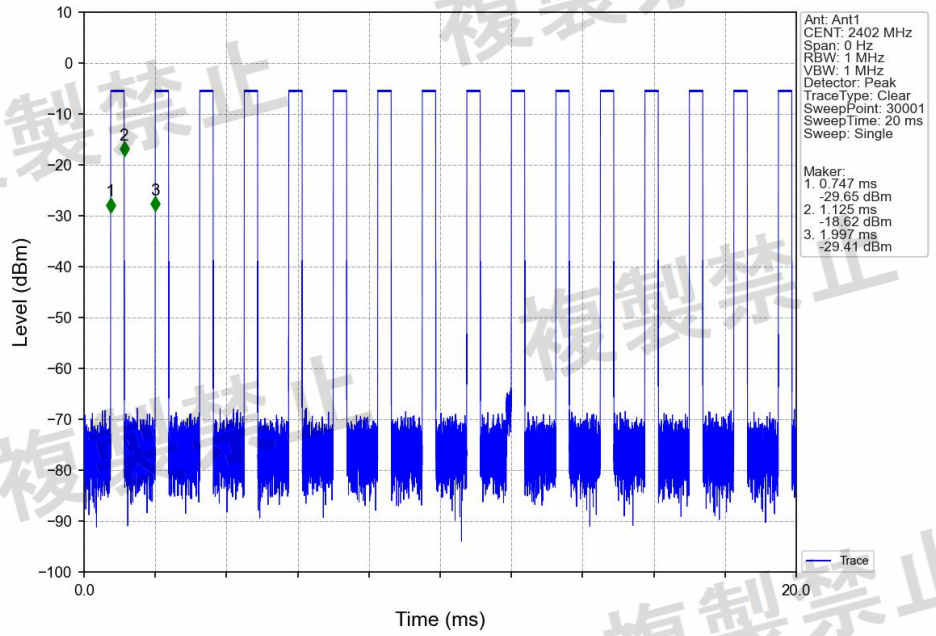
Ant1											
ENV	Mode	TX Type	Frequency (MHz)	Packet Type	Spreading Rate	T_on (ms)	Period (ms)	Hopp Number	Dwell Time (ms)		Verdict
									Result	Limit	
NTNV	GFSK	SISO	2402	DH1	71.373	0.378	1.250	79	109.282	<=400	Pass
				DH3	71.373	1.634	2.500	79	236.199	<=400	Pass
				DH5	71.373	2.882	3.750	79	277.734	<=400	Pass
			2480	DH1	71.373	0.378	1.250	79	109.282	<=400	Pass
				DH3	71.373	1.634	2.500	79	236.199	<=400	Pass
				DH5	71.373	2.881	3.750	79	277.638	<=400	Pass
	Pi/4DQPSK	SISO	2402	2DH1	71.486	0.388	1.250	79	112.351	<=400	Pass
				2DH3	71.486	1.640	2.500	79	237.442	<=400	Pass
				2DH5	71.486	2.887	3.750	79	278.657	<=400	Pass
			2480	2DH1	71.486	0.388	1.250	79	112.351	<=400	Pass
				2DH3	71.486	1.640	2.500	79	237.442	<=400	Pass
				2DH5	71.486	2.887	3.750	79	278.657	<=400	Pass
	8DPSK	SISO	2402	3DH1	71.457	0.389	1.250	79	112.595	<=400	Pass
				3DH3	71.457	1.639	2.500	79	237.201	<=400	Pass
				3DH5	71.457	2.890	3.750	79	278.833	<=400	Pass
			2480	3DH1	71.457	0.388	1.250	79	112.305	<=400	Pass
				3DH3	71.457	1.638	2.500	79	237.056	<=400	Pass
				3DH5	71.457	2.889	3.750	79	278.737	<=400	Pass
NTLV	GFSK	SISO	2402	DH1	71.374	0.378	1.250	79	109.284	<=400	Pass
				DH3	71.374	1.633	2.500	79	236.058	<=400	Pass
				DH5	71.374	2.882	3.750	79	277.738	<=400	Pass
			2480	DH1	71.374	0.378	1.250	79	109.284	<=400	Pass
				DH3	71.374	1.633	2.500	79	236.058	<=400	Pass
				DH5	71.374	2.882	3.750	79	277.738	<=400	Pass
	Pi/4DQPSK	SISO	2402	2DH1	71.415	0.387	1.250	79	111.950	<=400	Pass
				2DH3	71.415	1.639	2.500	79	237.062	<=400	Pass
				2DH5	71.415	2.887	3.750	79	278.380	<=400	Pass
			2480	2DH1	71.415	0.388	1.250	79	112.239	<=400	Pass
				2DH3	71.415	1.640	2.500	79	237.206	<=400	Pass
				2DH5	71.415	2.888	3.750	79	278.476	<=400	Pass
	8DPSK	SISO	2402	3DH1	71.424	0.389	1.250	79	112.543	<=400	Pass
				3DH3	71.424	1.638	2.500	79	236.947	<=400	Pass
				3DH5	71.424	2.889	3.750	79	278.608	<=400	Pass
			2480	3DH1	71.424	0.388	1.250	79	112.253	<=400	Pass
				3DH3	71.424	1.638	2.500	79	236.947	<=400	Pass
				3DH5	71.424	2.889	3.750	79	278.608	<=400	Pass
NTHV	GFSK	SISO	2402	DH1	71.367	0.378	1.250	79	109.273	<=400	Pass
				DH3	71.367	1.634	2.500	79	236.180	<=400	Pass
				DH5	71.367	2.882	3.750	79	277.711	<=400	Pass
			2480	DH1	71.367	0.378	1.250	79	109.273	<=400	Pass
				DH3	71.367	1.633	2.500	79	236.035	<=400	Pass
				DH5	71.367	2.882	3.750	79	277.711	<=400	Pass
	Pi/4DQPSK	SISO	2402	2DH1	71.398	0.388	1.250	79	112.212	<=400	Pass
				2DH3	71.398	1.638	2.500	79	236.861	<=400	Pass
				2DH5	71.398	2.886	3.750	79	278.217	<=400	Pass
			2480	2DH1	71.398	0.388	1.250	79	112.212	<=400	Pass
				2DH3	71.398	1.640	2.500	79	237.150	<=400	Pass

				2DH5	71.398	2.888	3.750	79	278.410	<=400	Pass
	8DPSK	SISO	2402	3DH1	71.540	0.389	1.250	79	112.725	<=400	Pass
				3DH3	71.540	1.638	2.500	79	237.332	<=400	Pass
				3DH5	71.540	2.889	3.750	79	279.060	<=400	Pass
			2480	3DH1	71.540	0.388	1.249	79	112.526	<=400	Pass
				3DH3	71.540	1.639	2.500	79	237.477	<=400	Pass
				3DH5	71.540	2.890	3.750	79	279.157	<=400	Pass

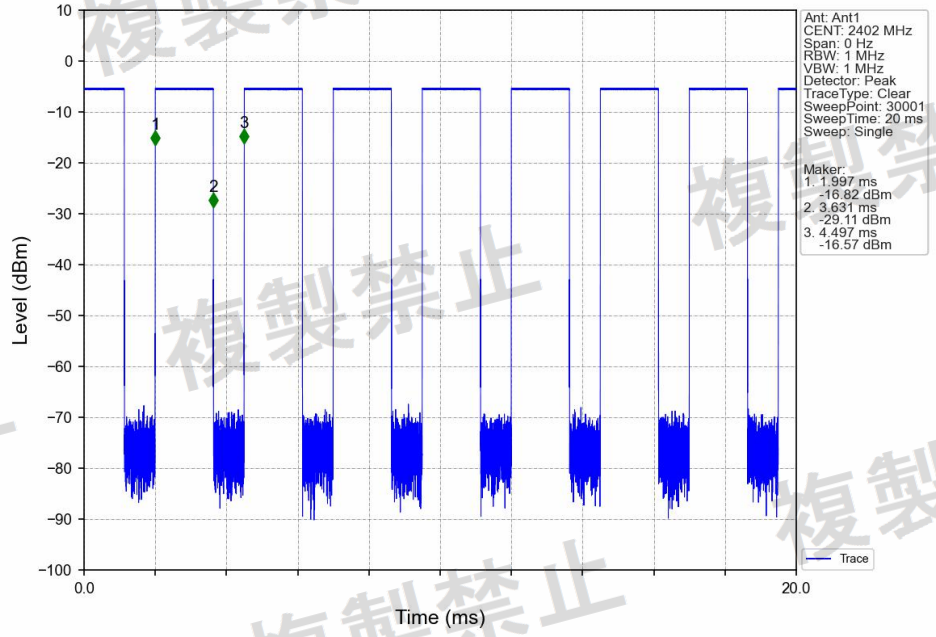
5.2 Test Graph

5.2.1 Ant1

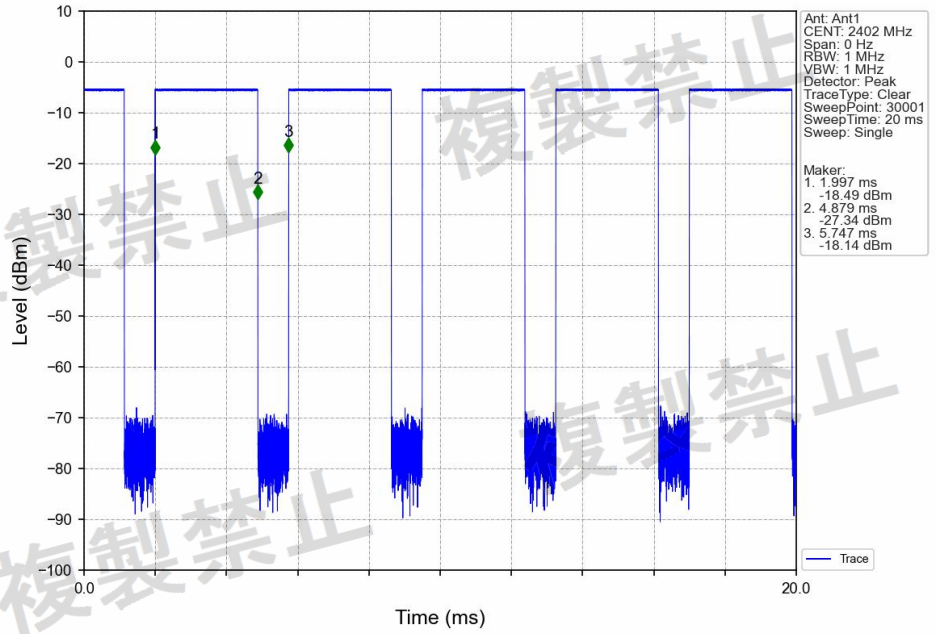
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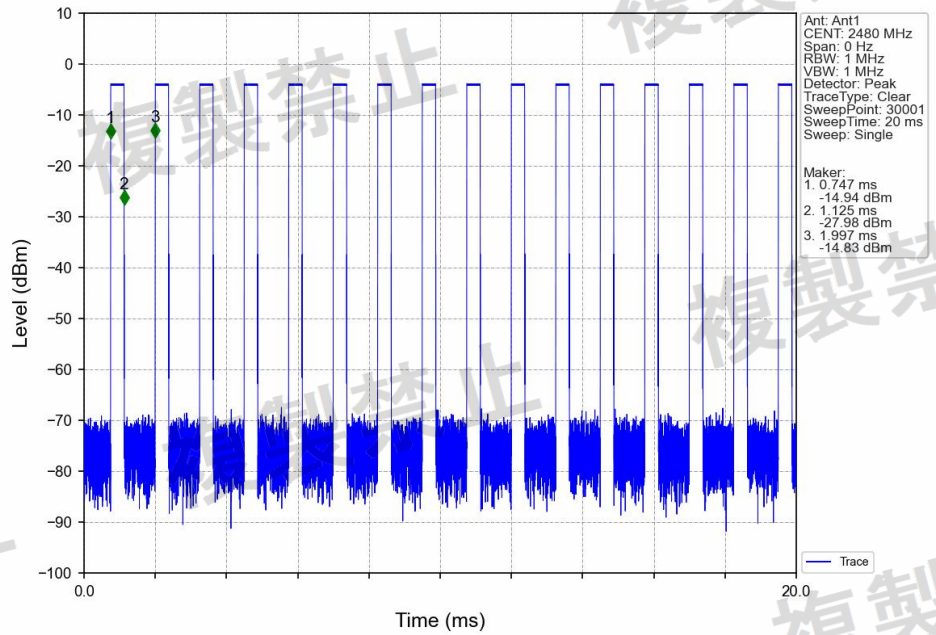
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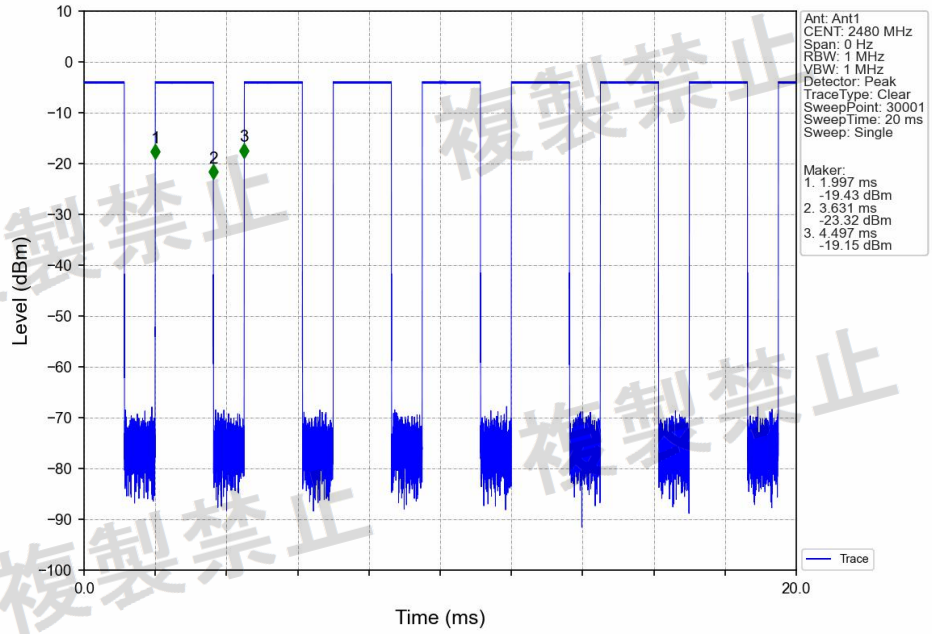
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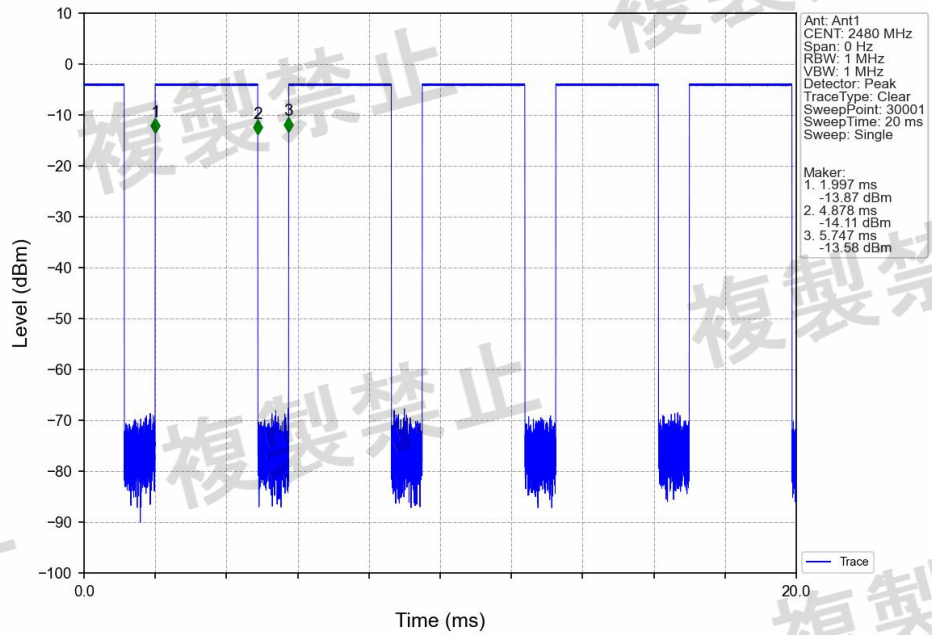
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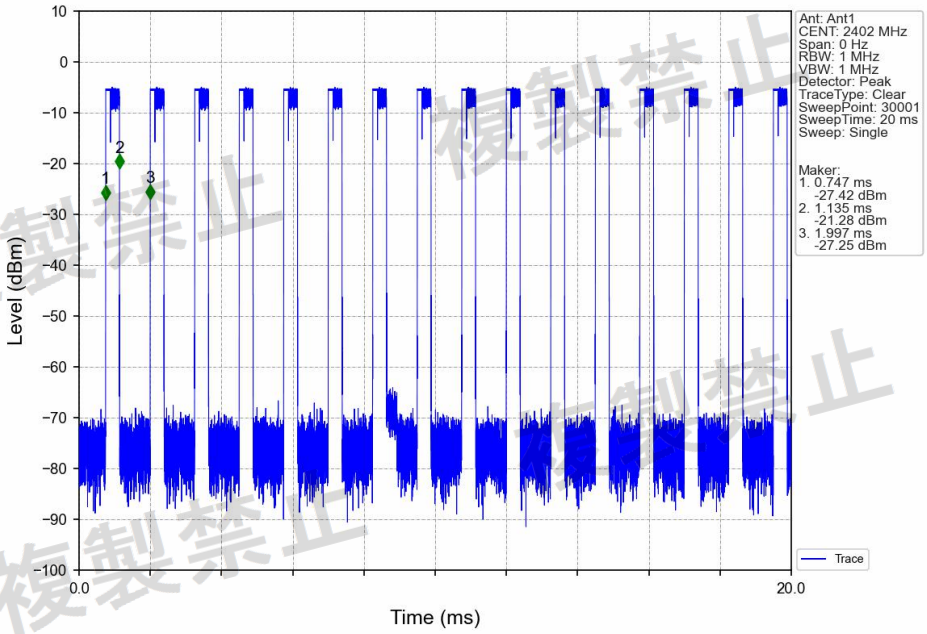
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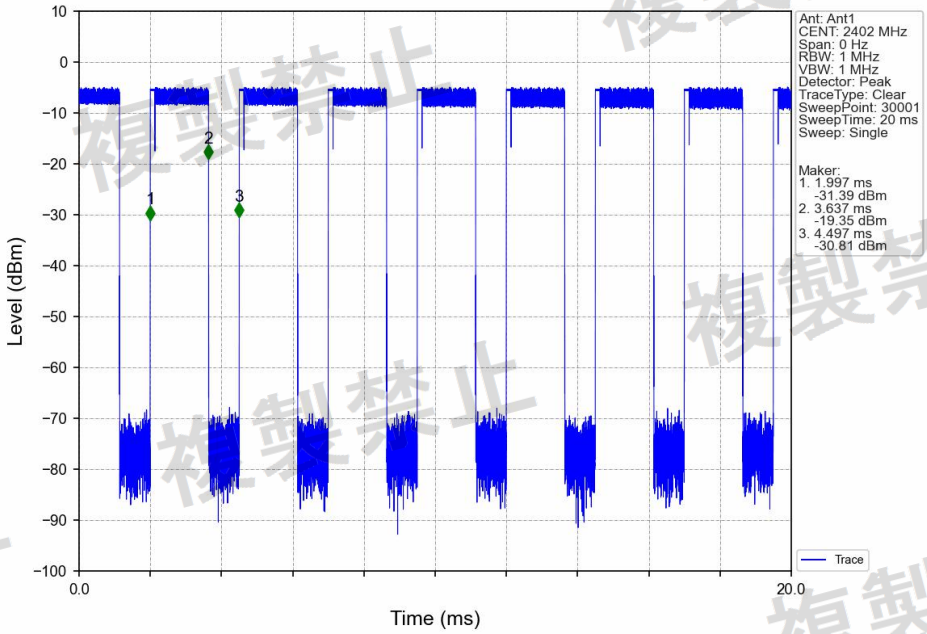
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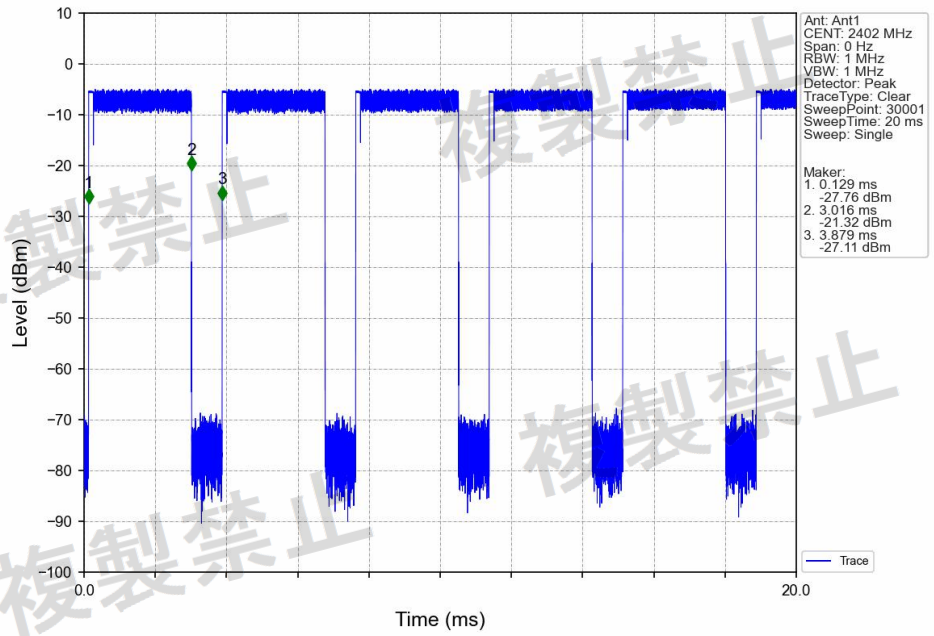
Pi/4DQPSK_2DH1_2402MHz_Ant1_NTNV



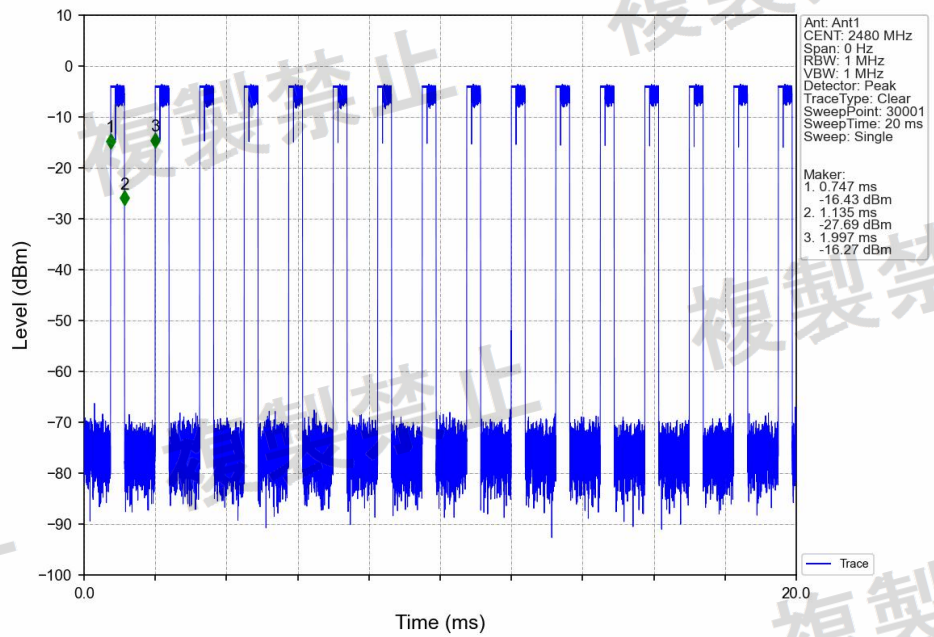
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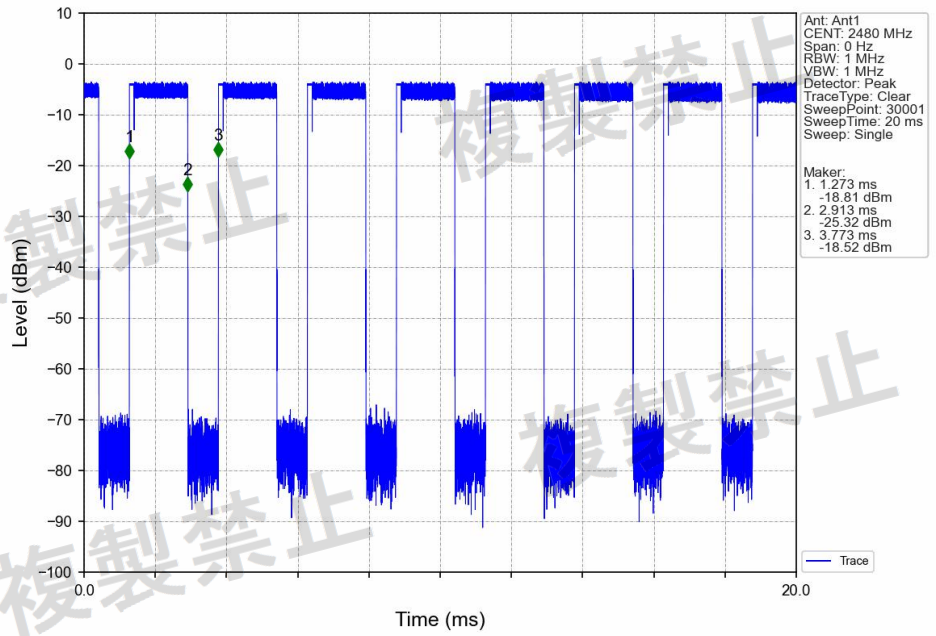
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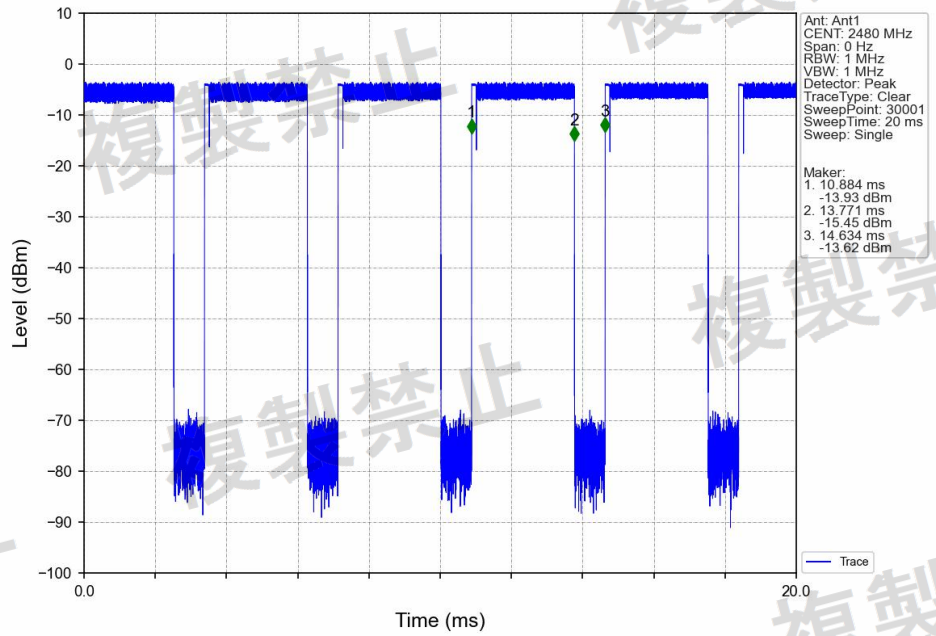
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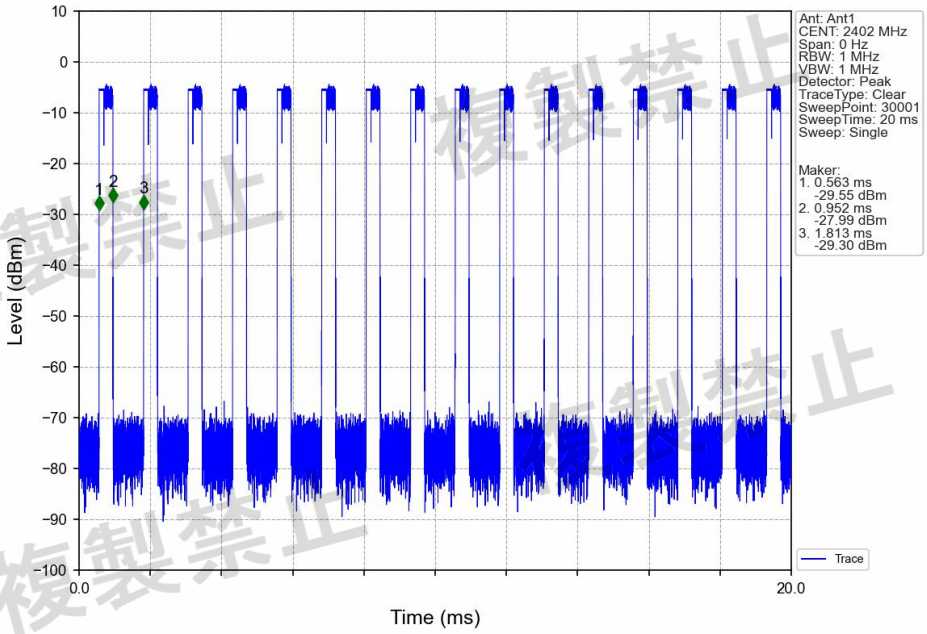
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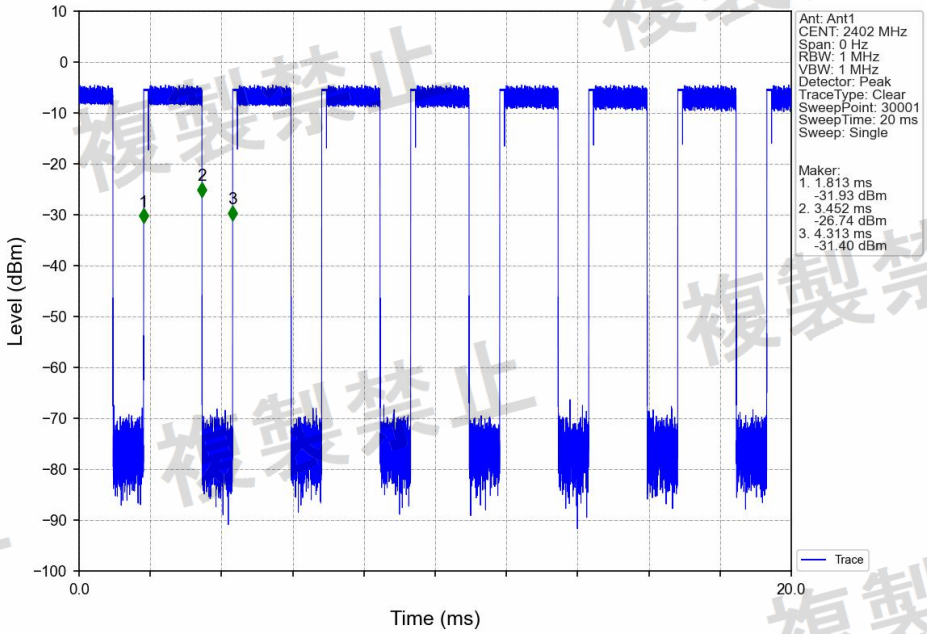
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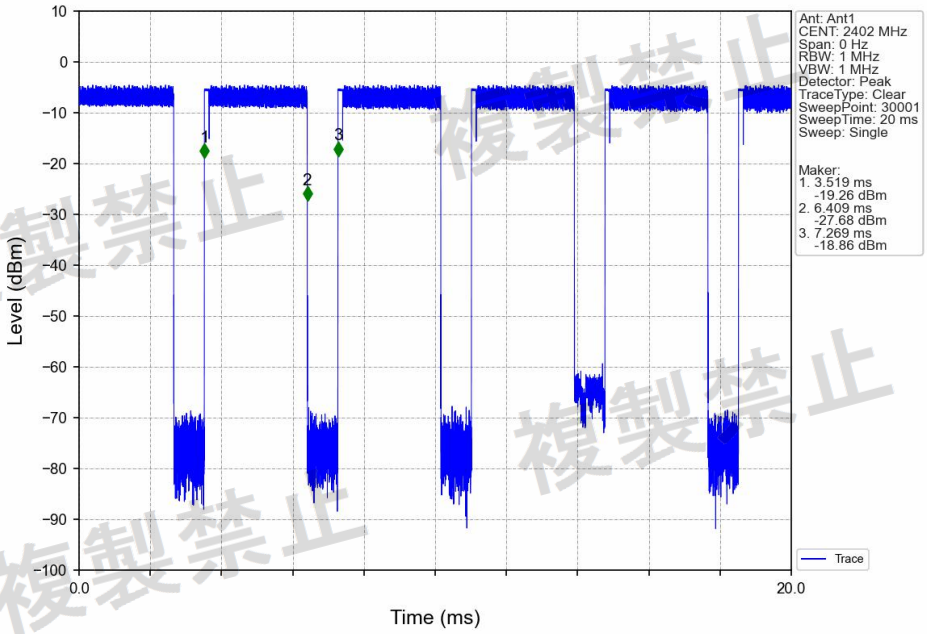
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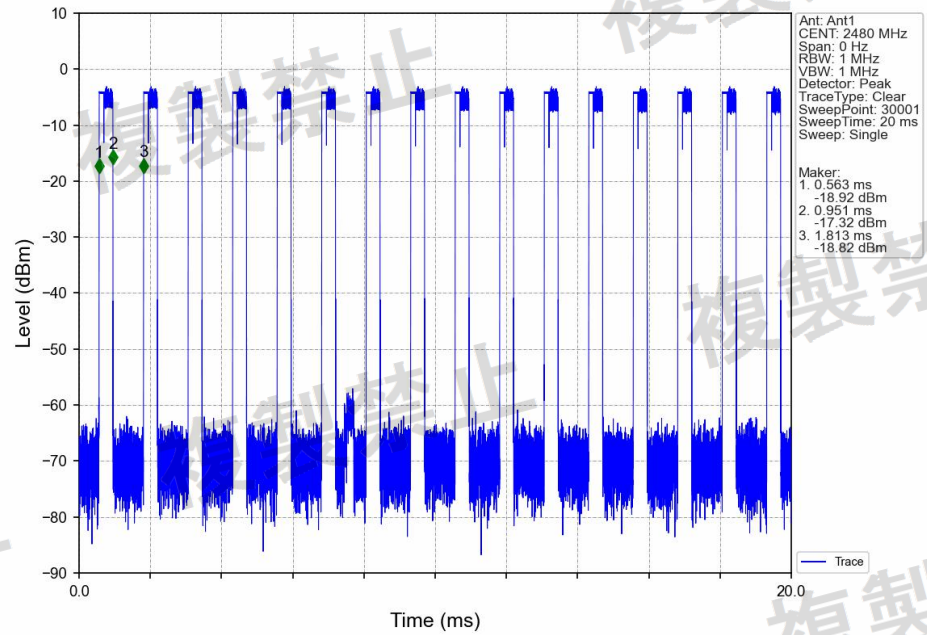
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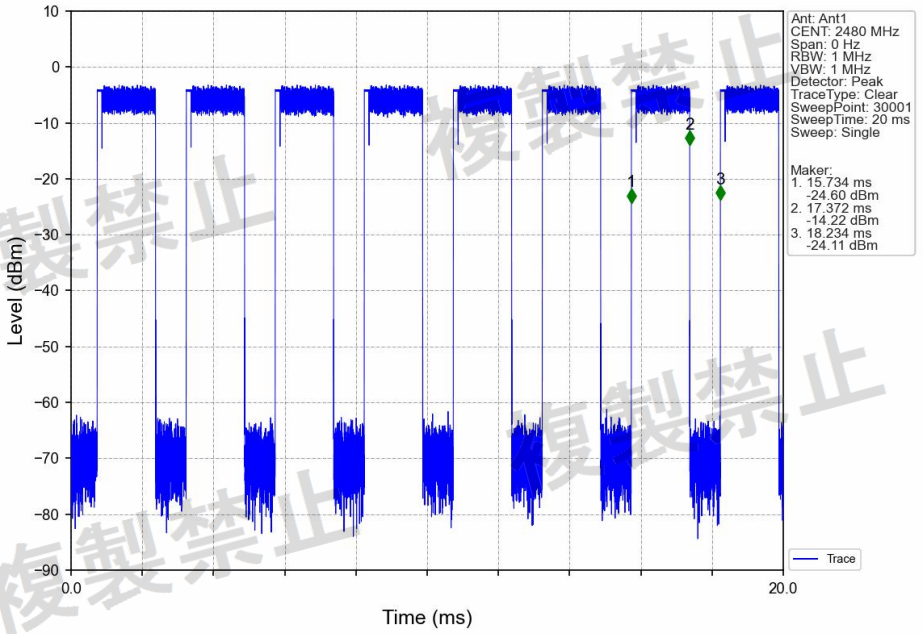
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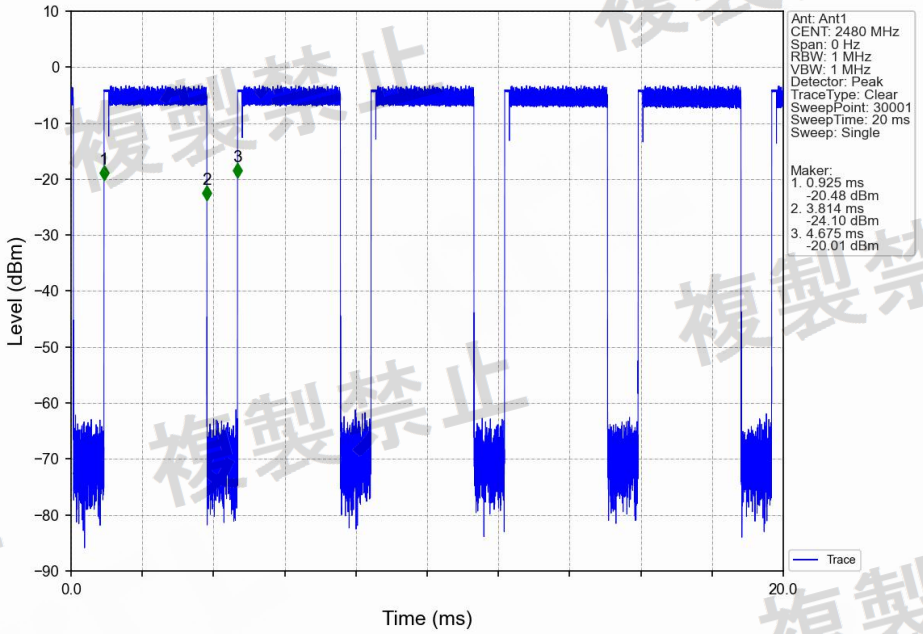
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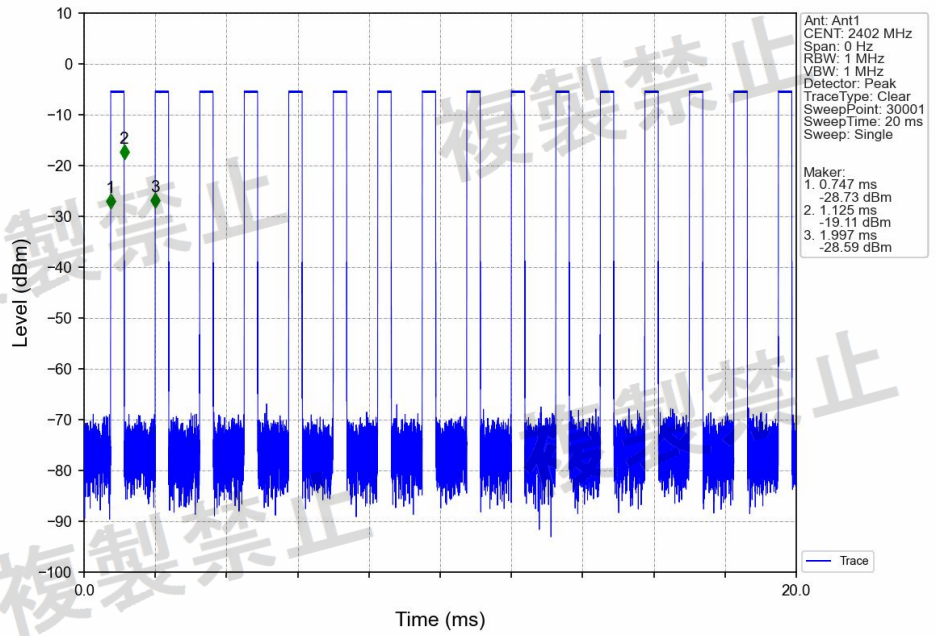
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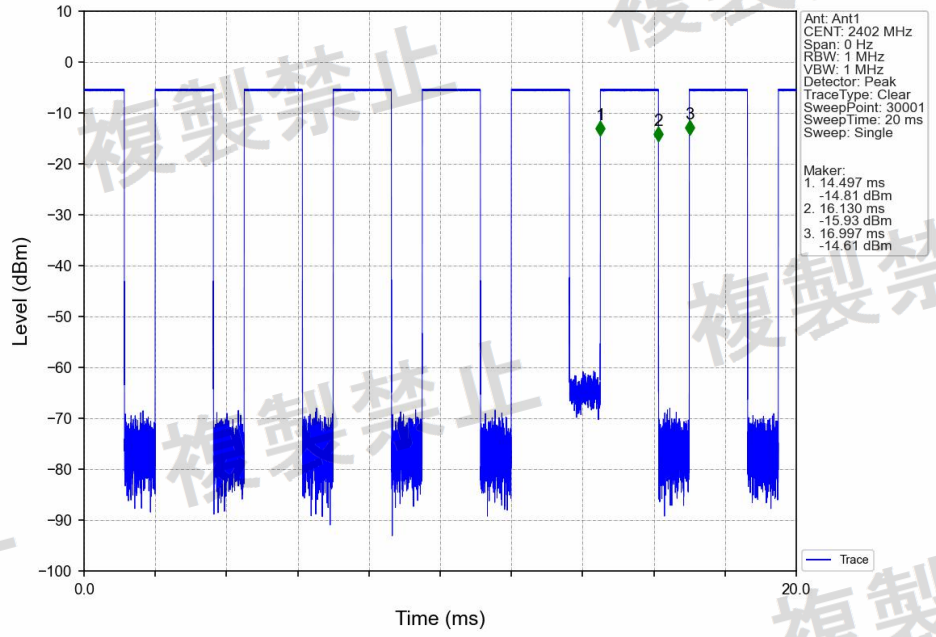
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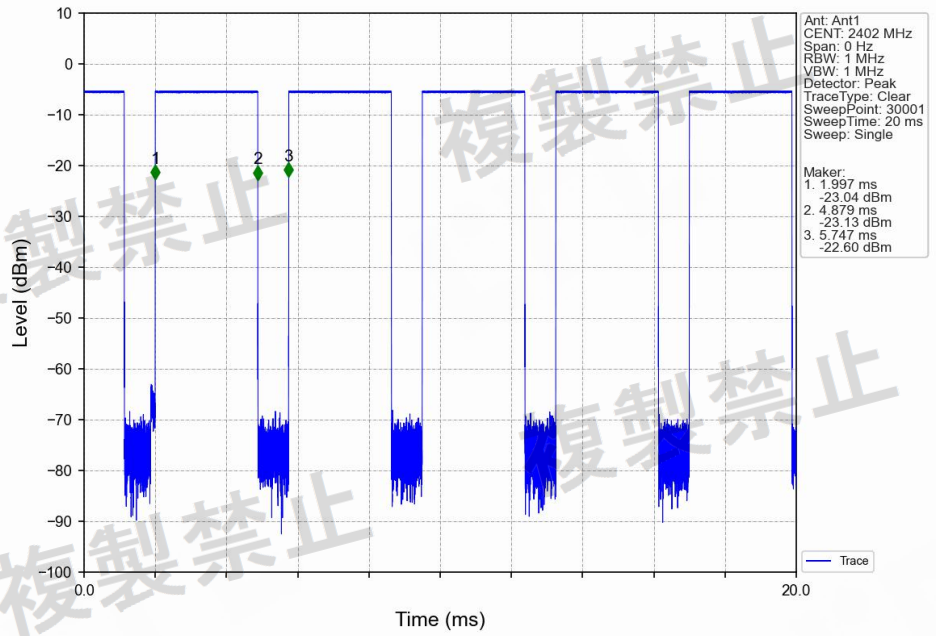
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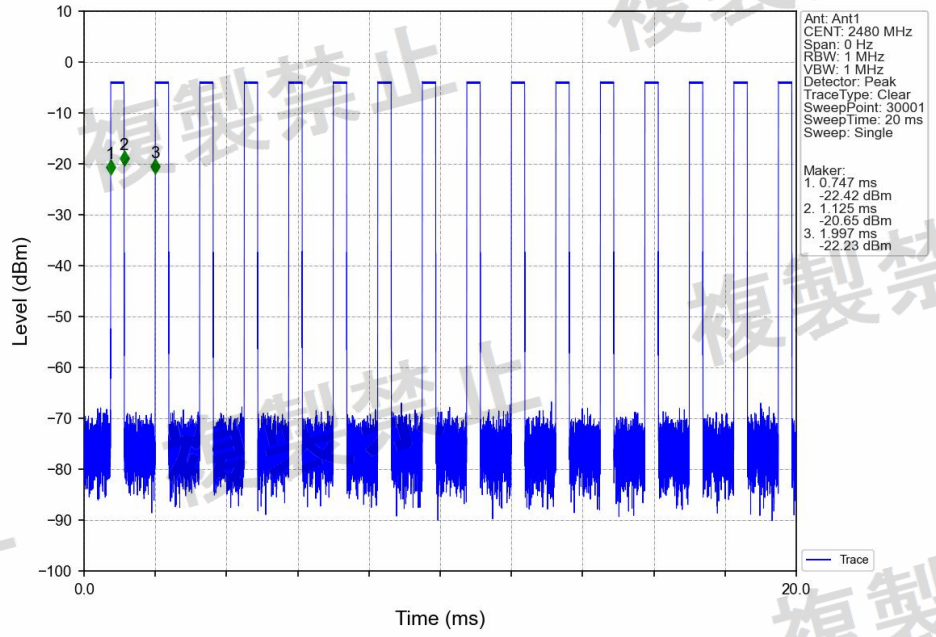
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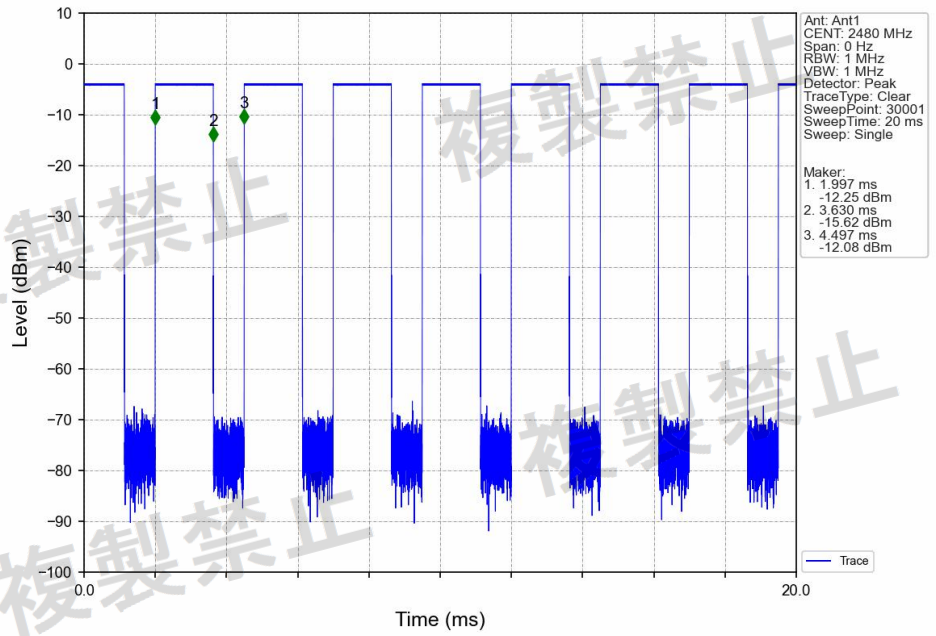
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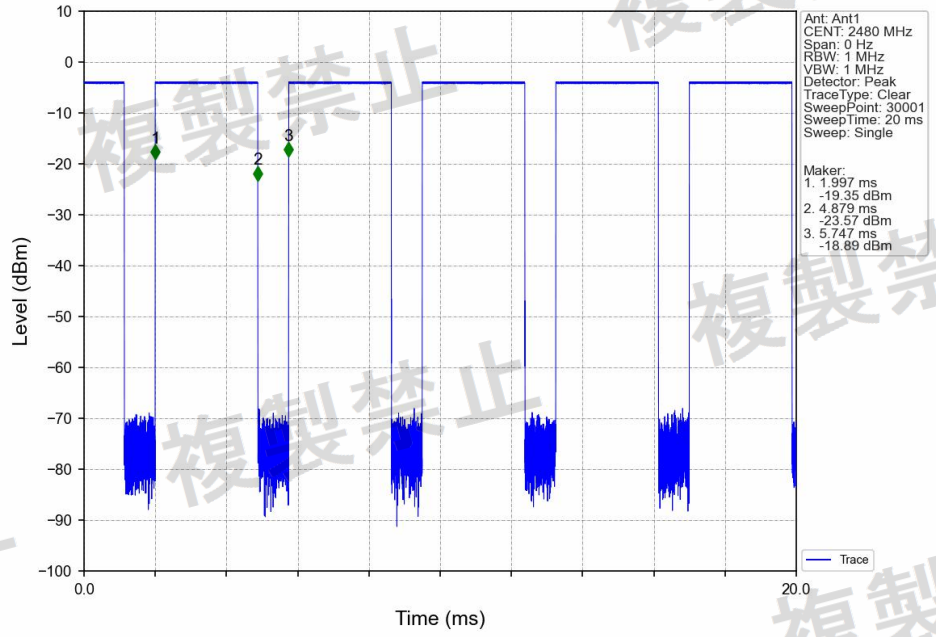
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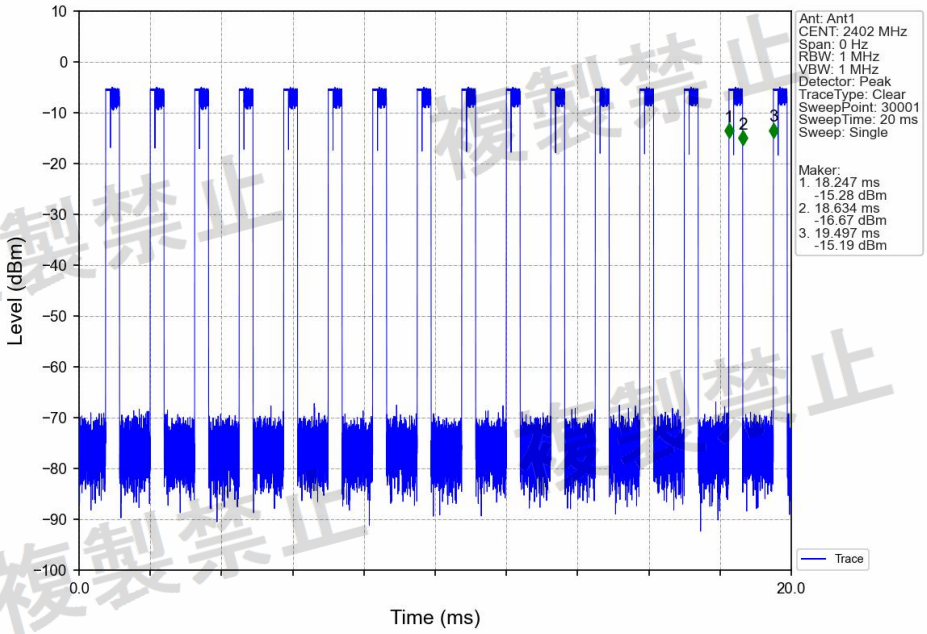
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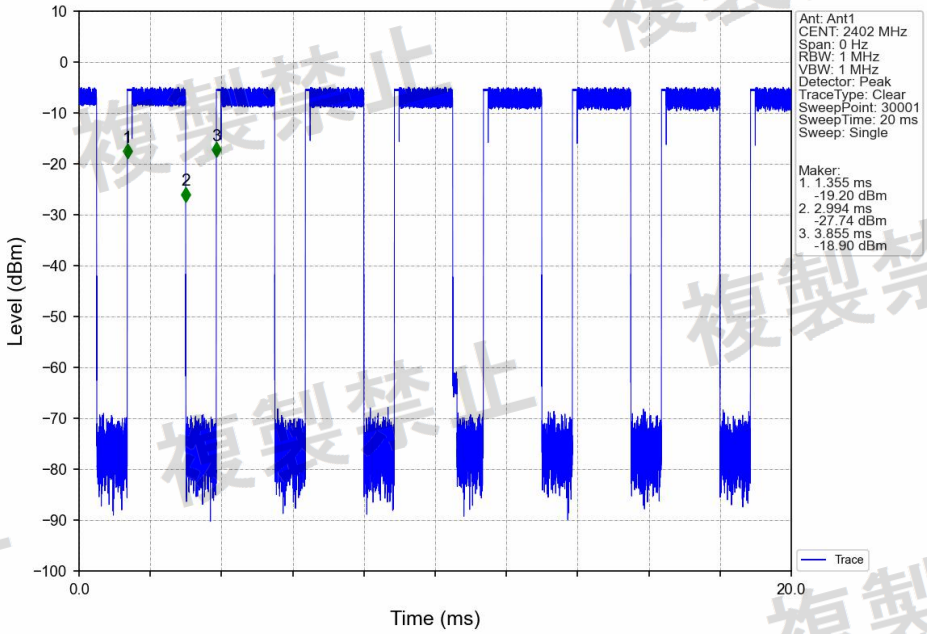
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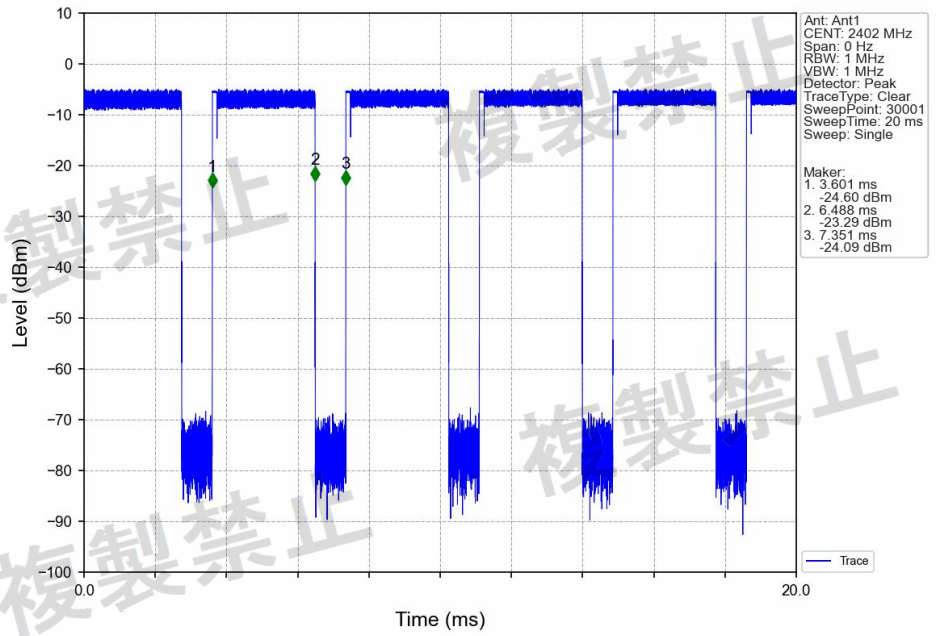
Pi/4DQPSK_2DH1_2402MHz_Ant1_NTLV



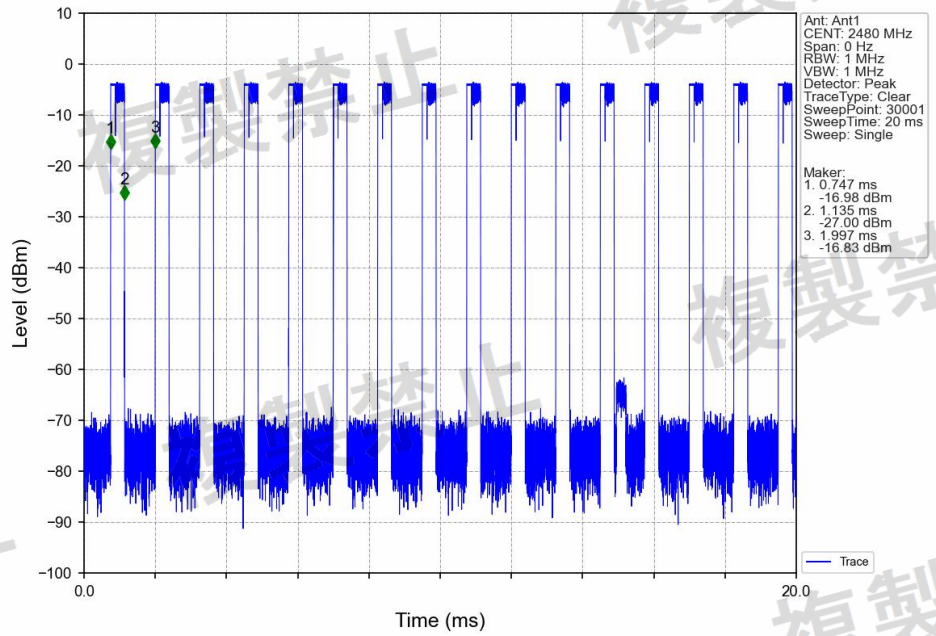
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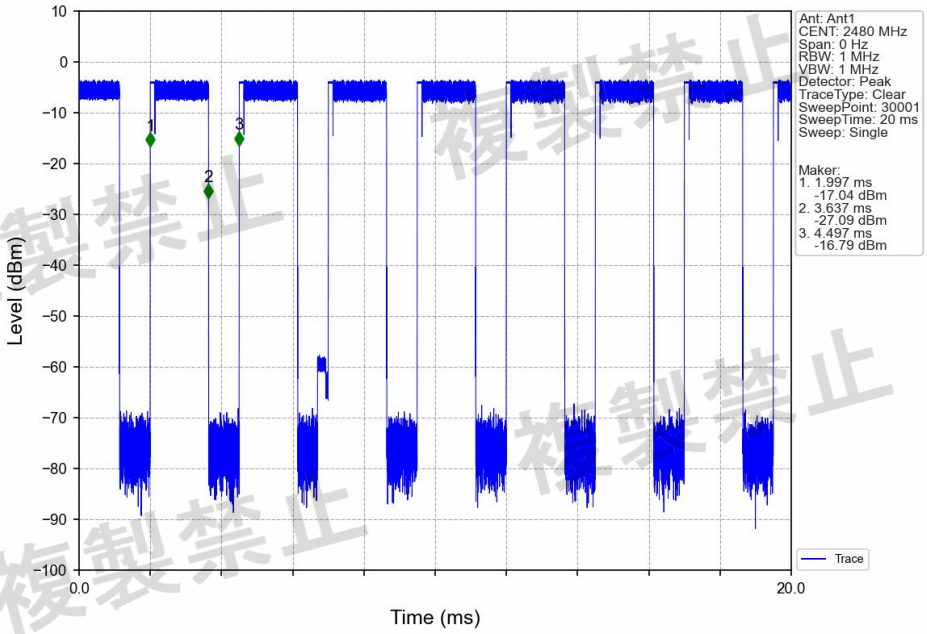
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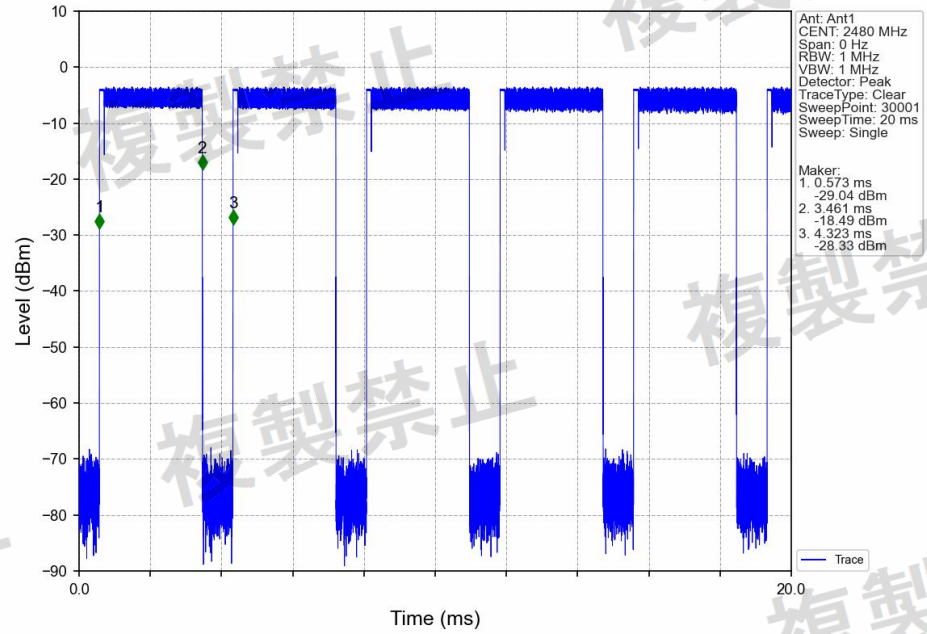
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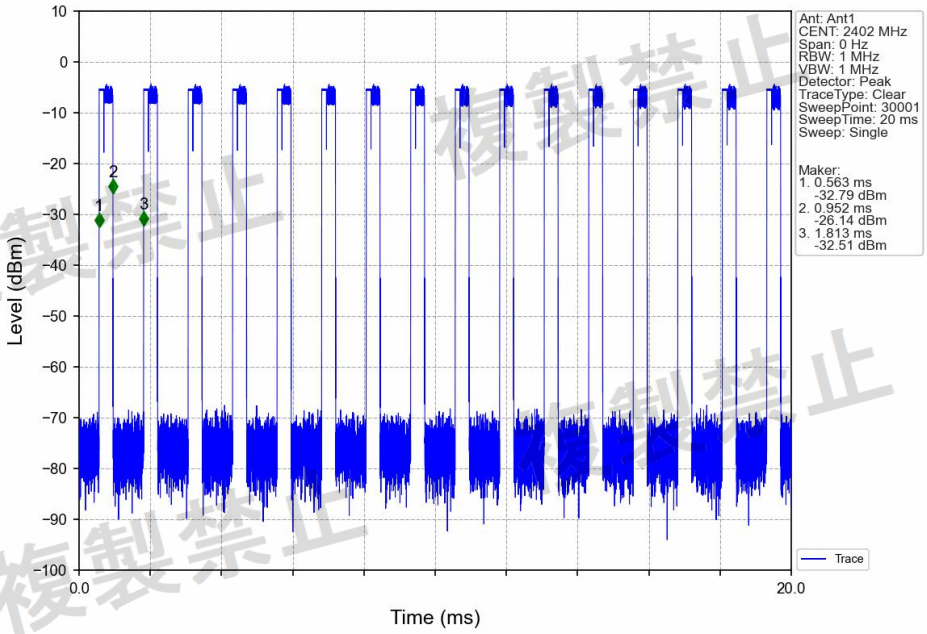
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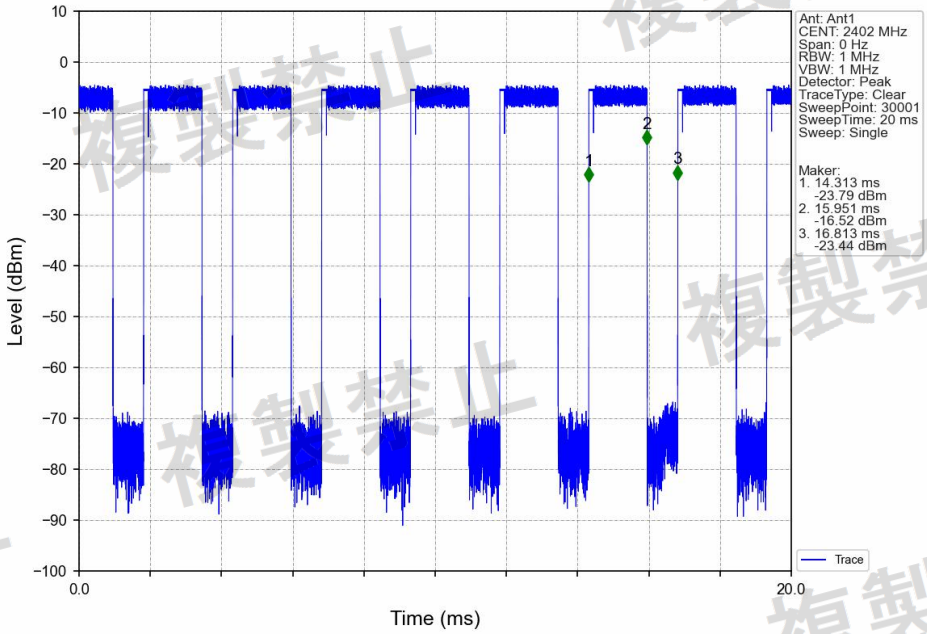
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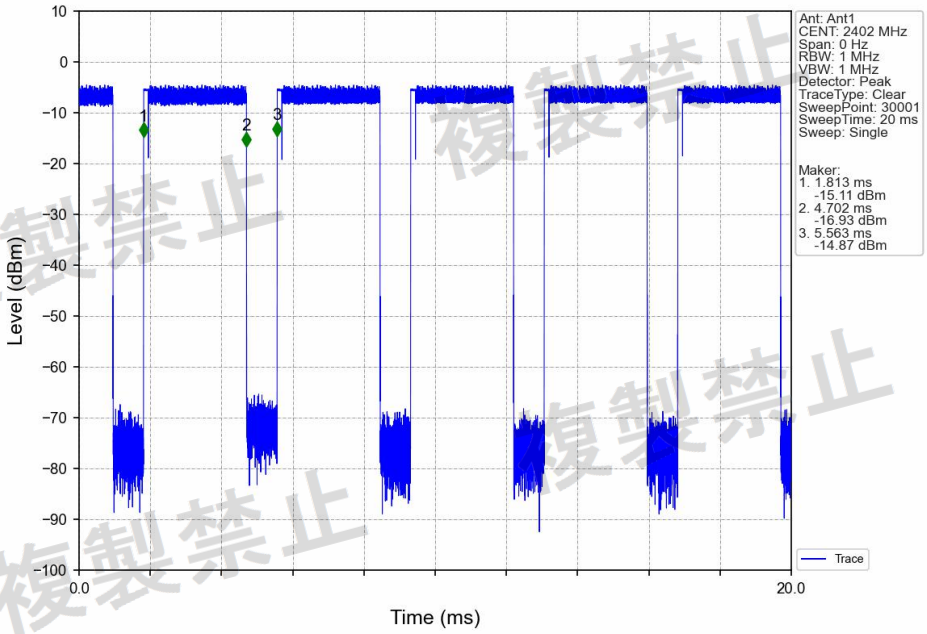
8DPSK_3DH1_2402MHz_Ant1_NTLV



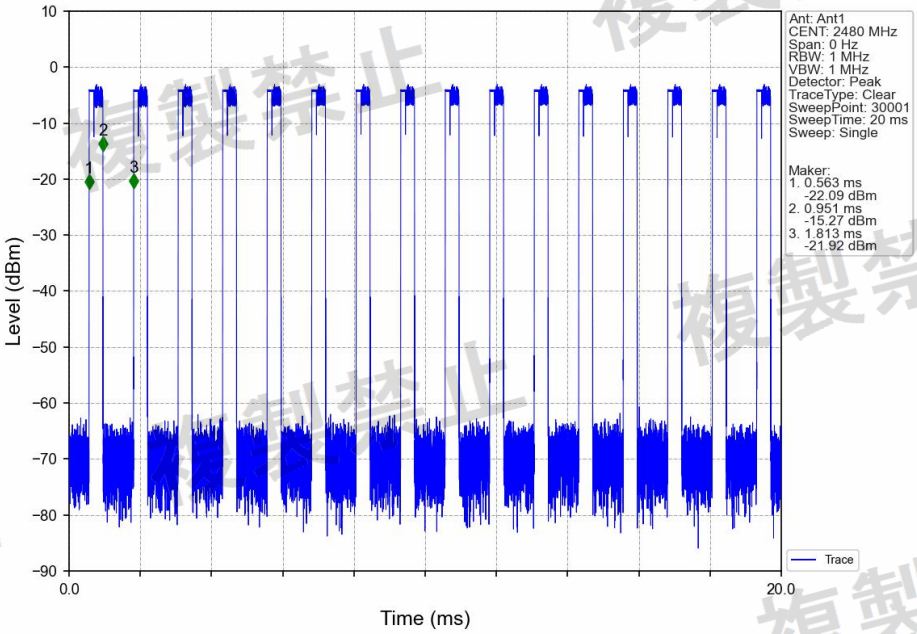
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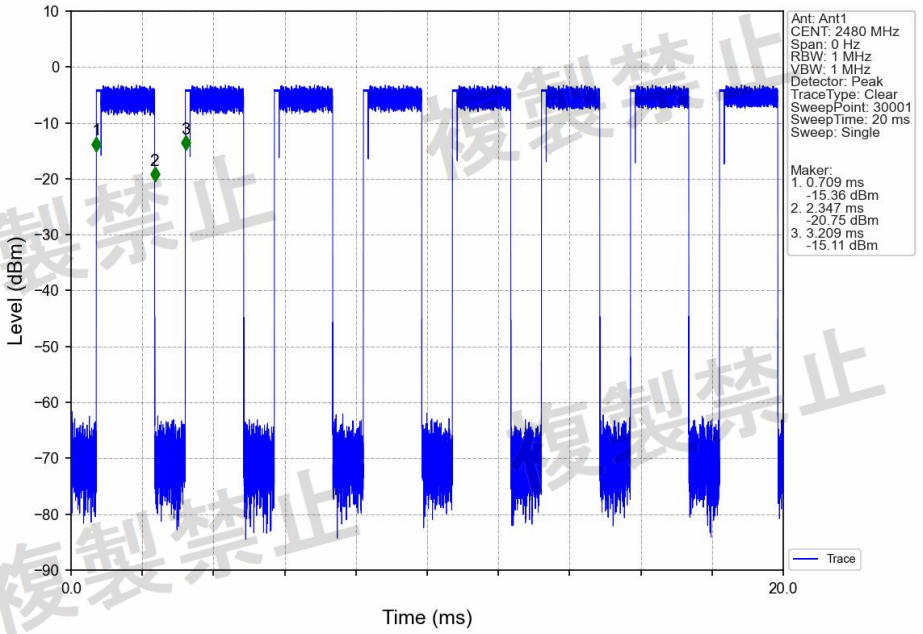
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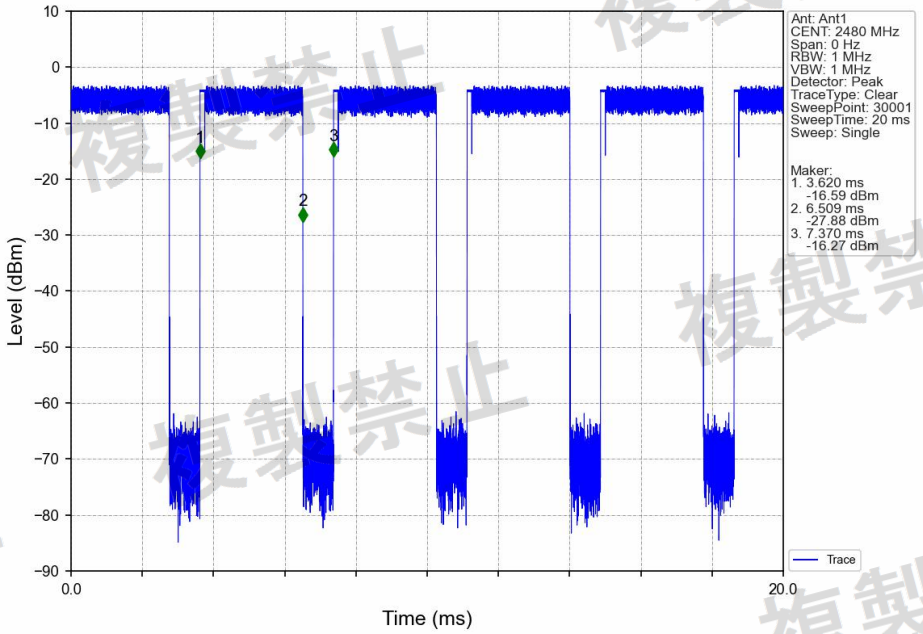
8DPSK_3DH1_2480MHz_Ant1_NTLV



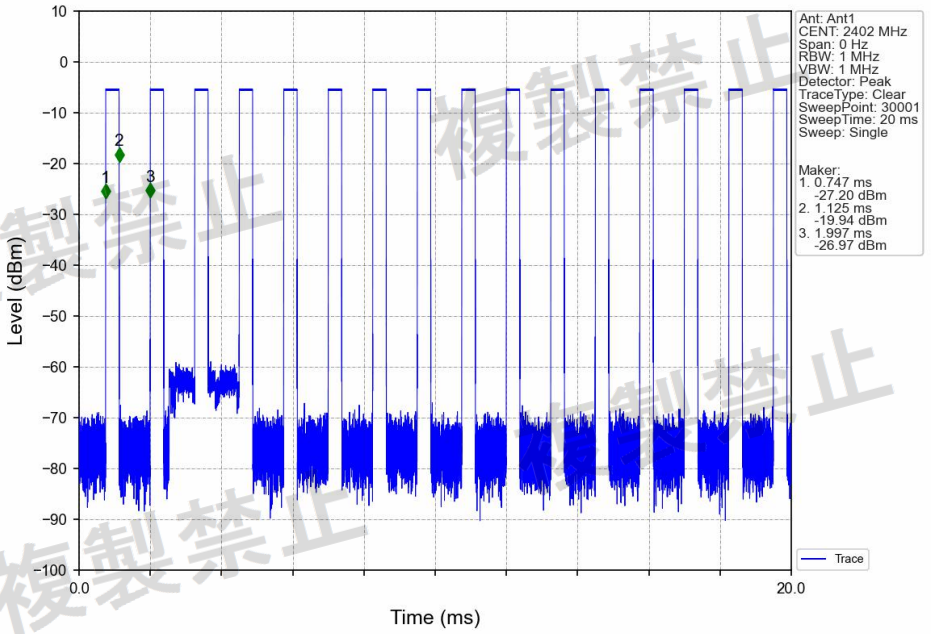
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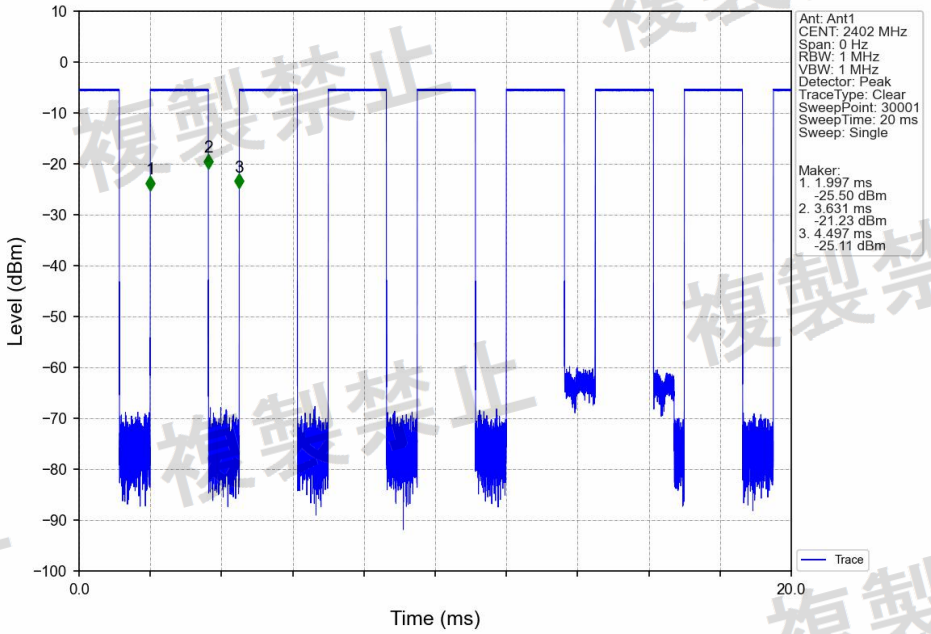
8DPSK_3DH5_2480MHz_Ant1_NTLV



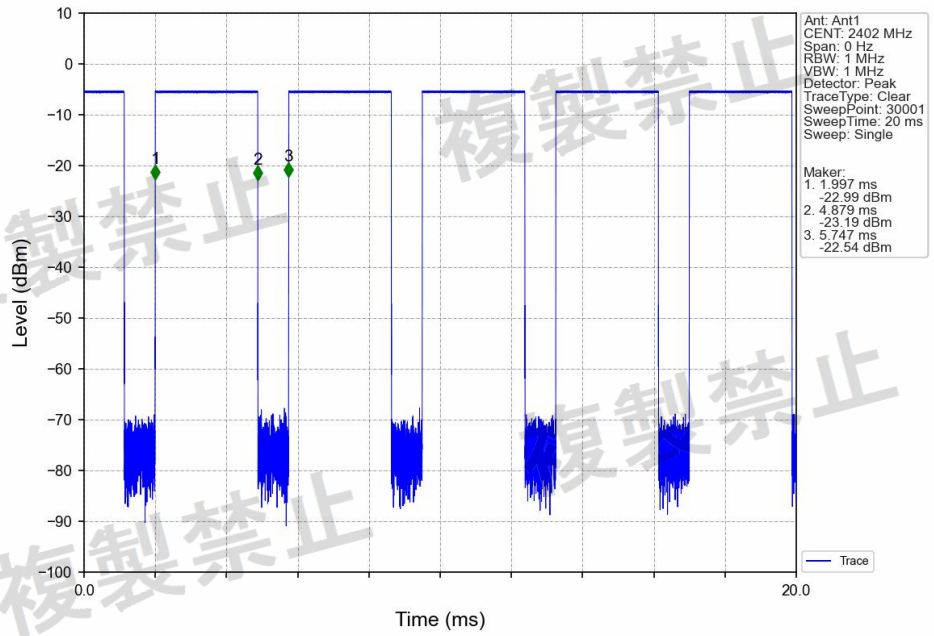
GFSK_DH1_2402MHz_Ant1_NTHV



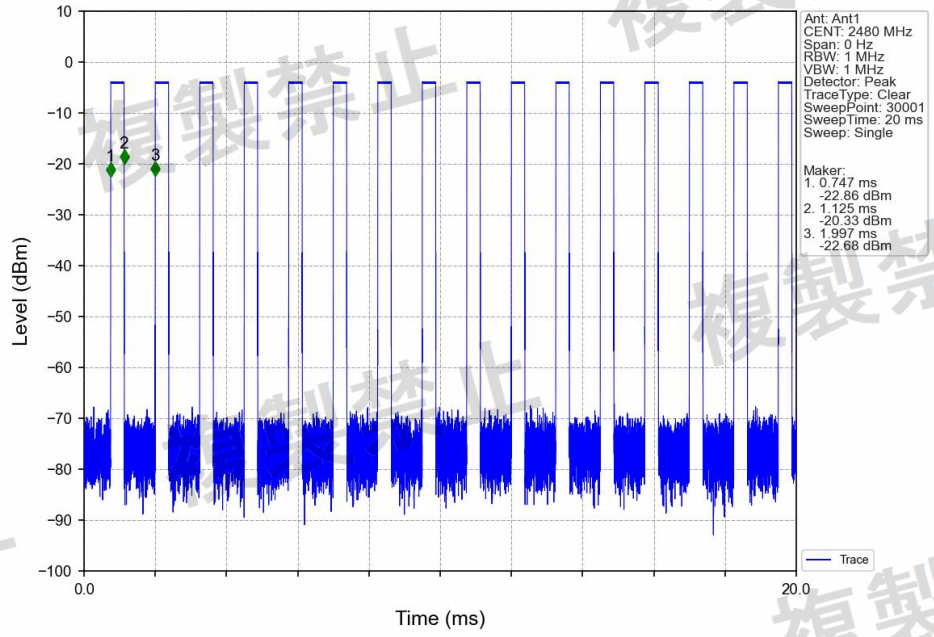
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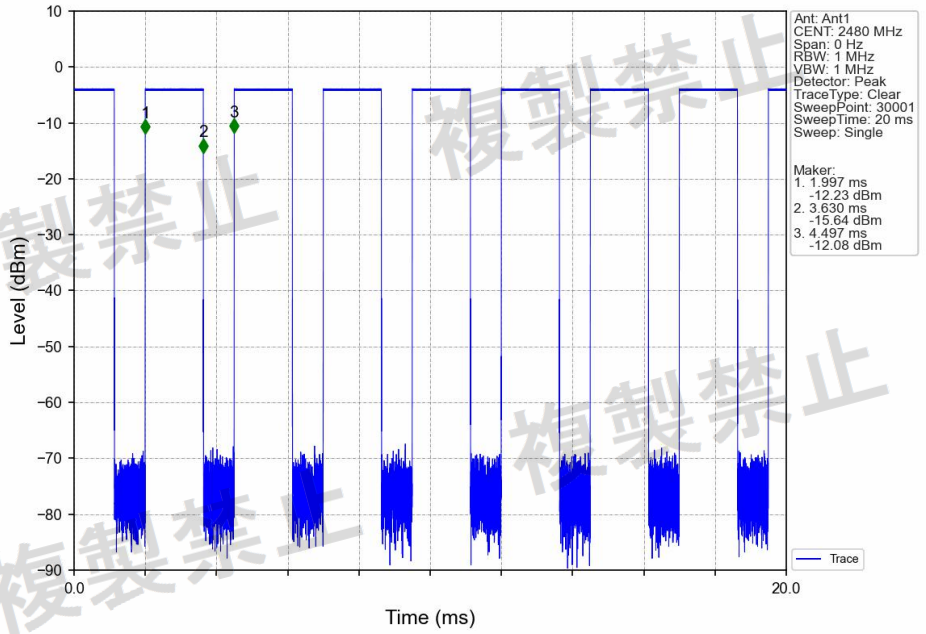
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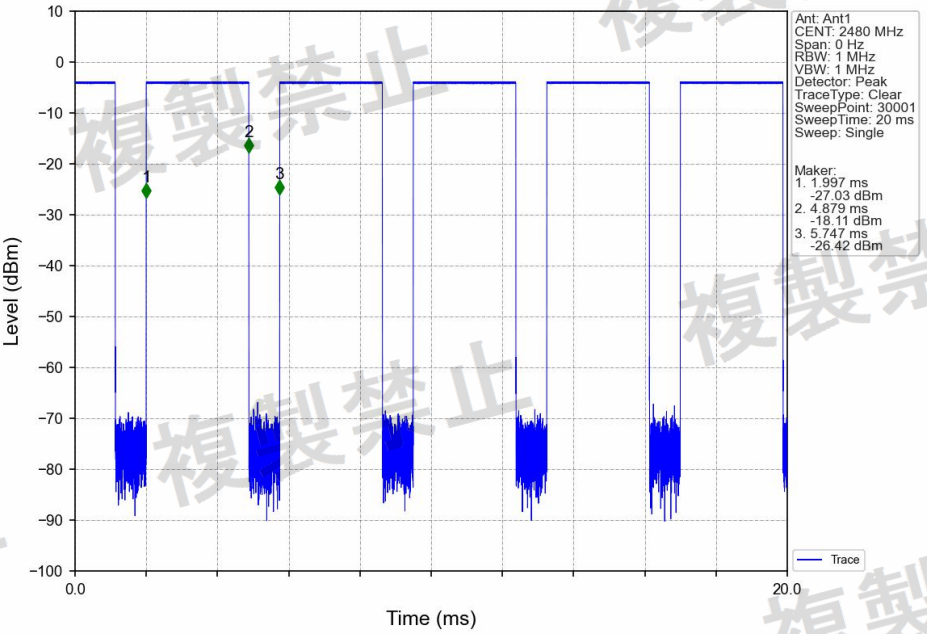
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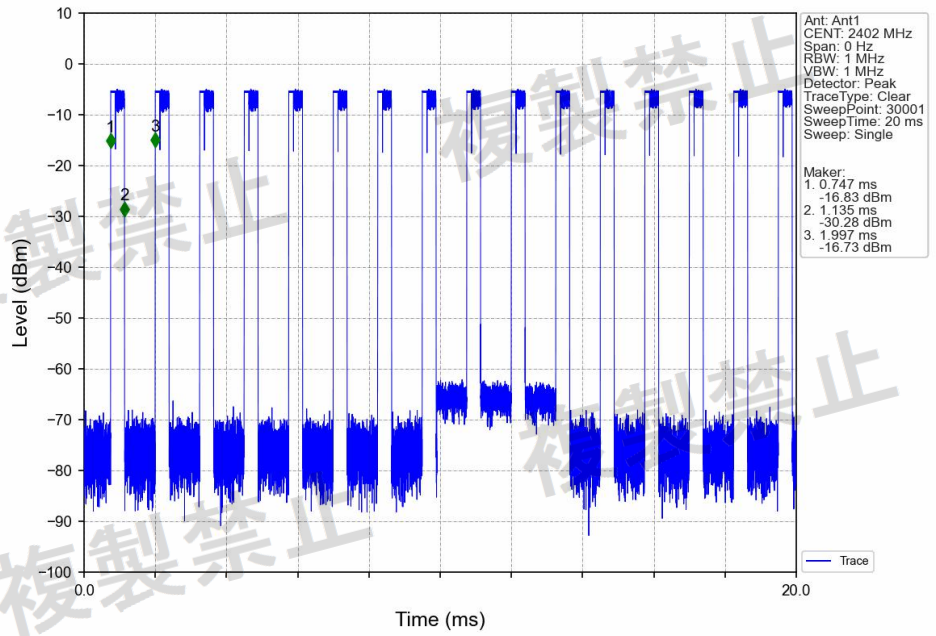
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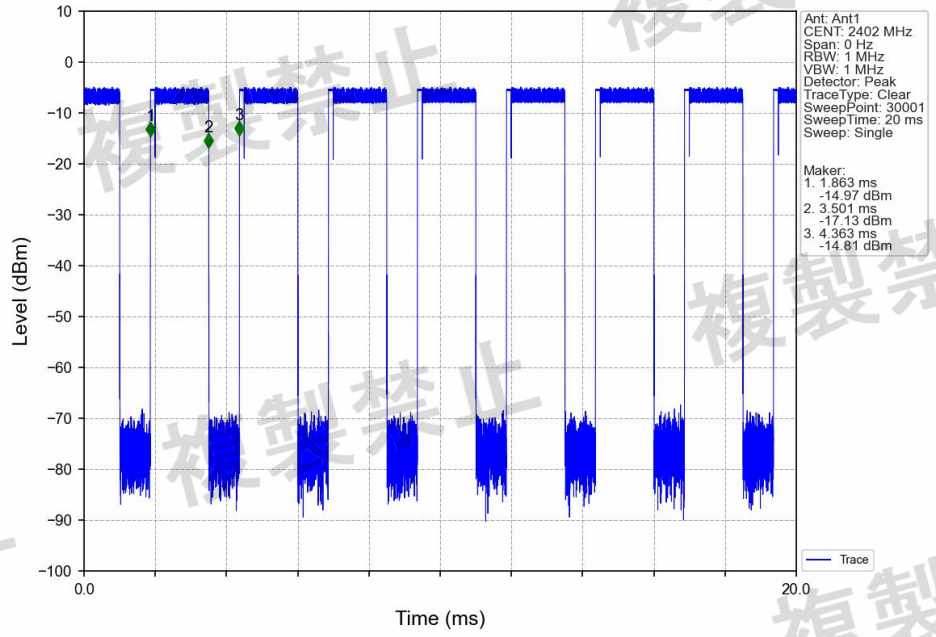
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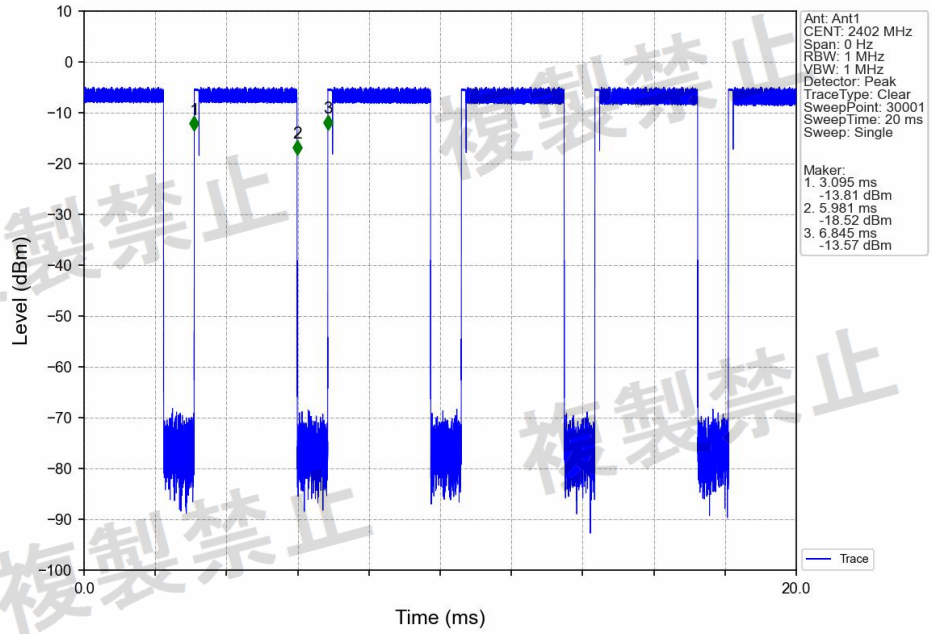
Pi/4DQPSK_2DH1_2402MHz_Ant1_NTHV



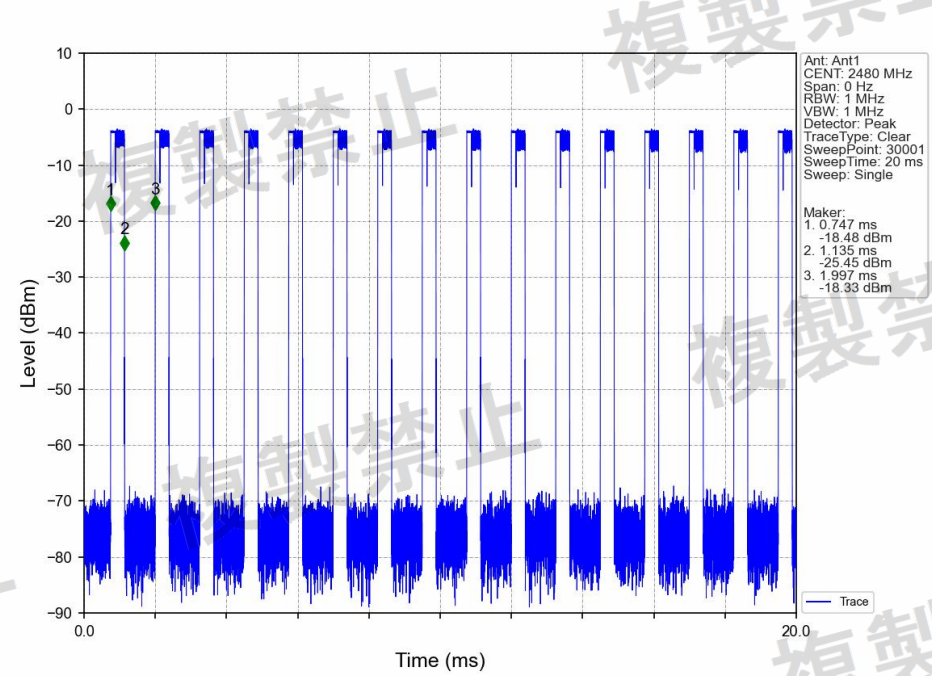
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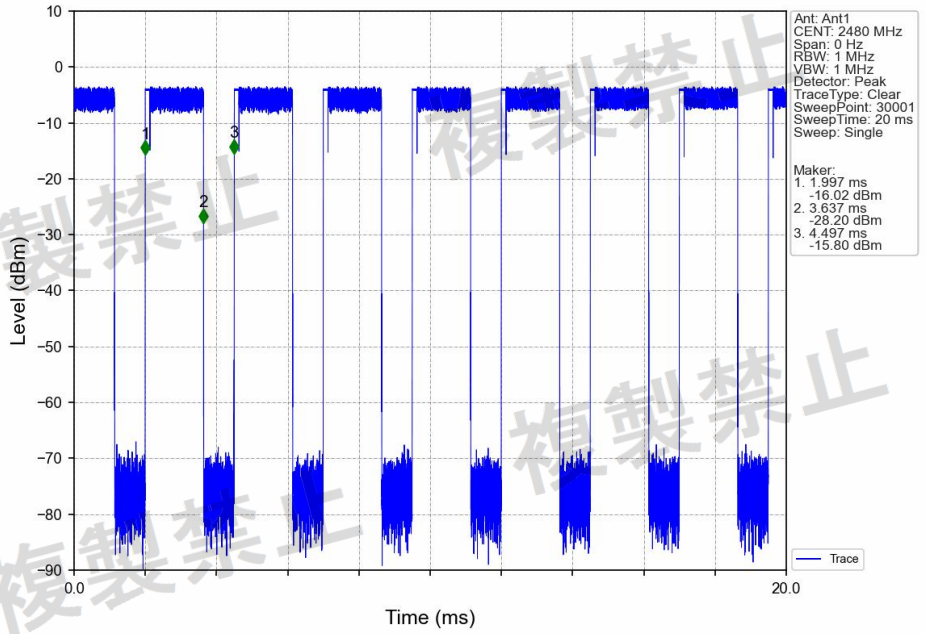
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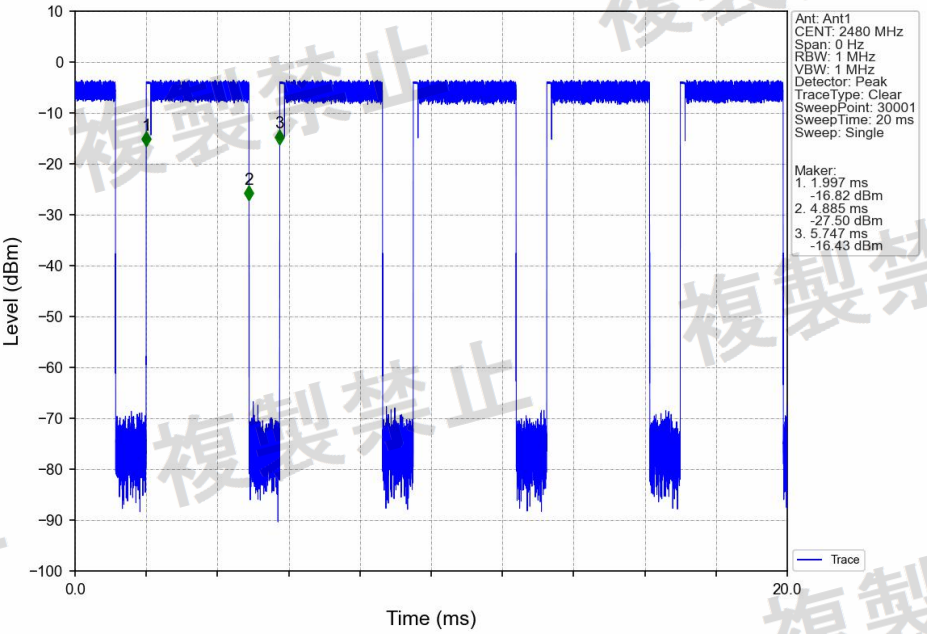
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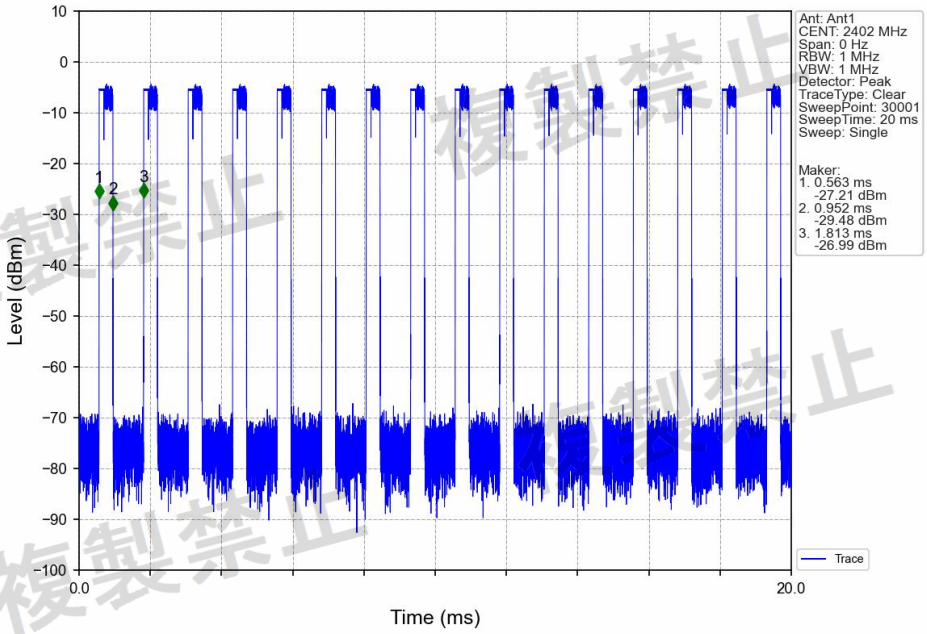
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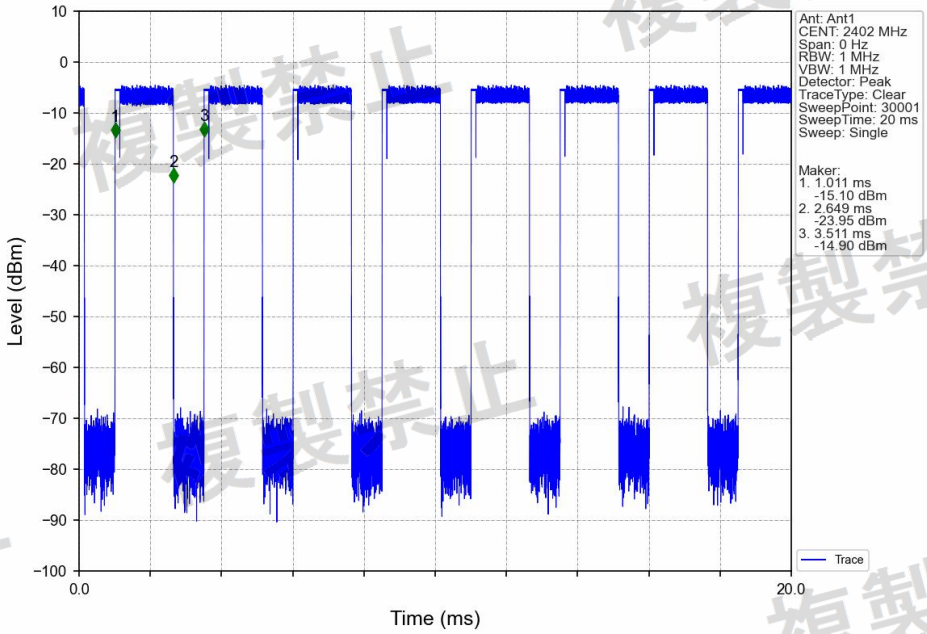
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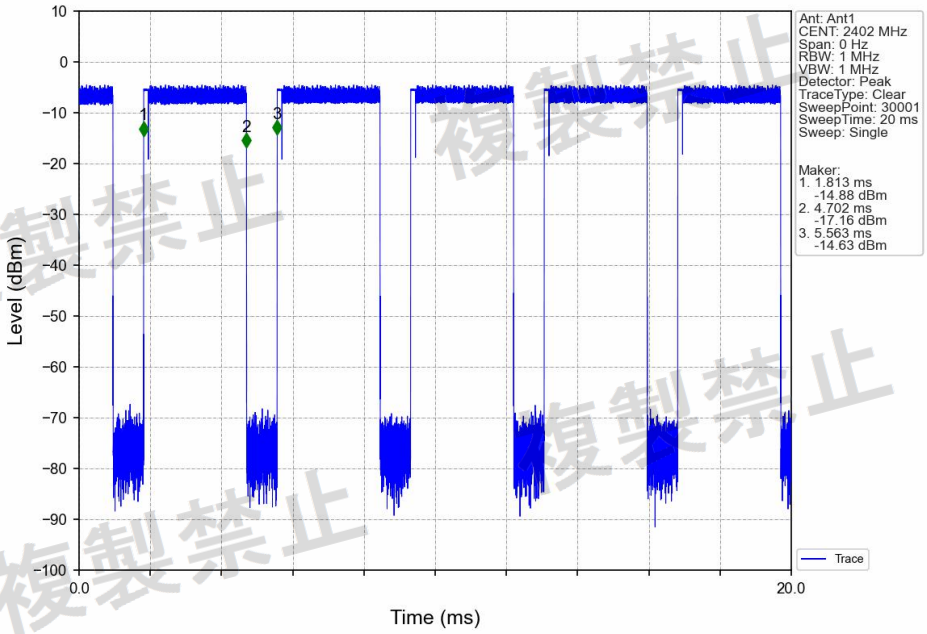
8DPSK_3DH1_2402MHz_Ant1_NTHV



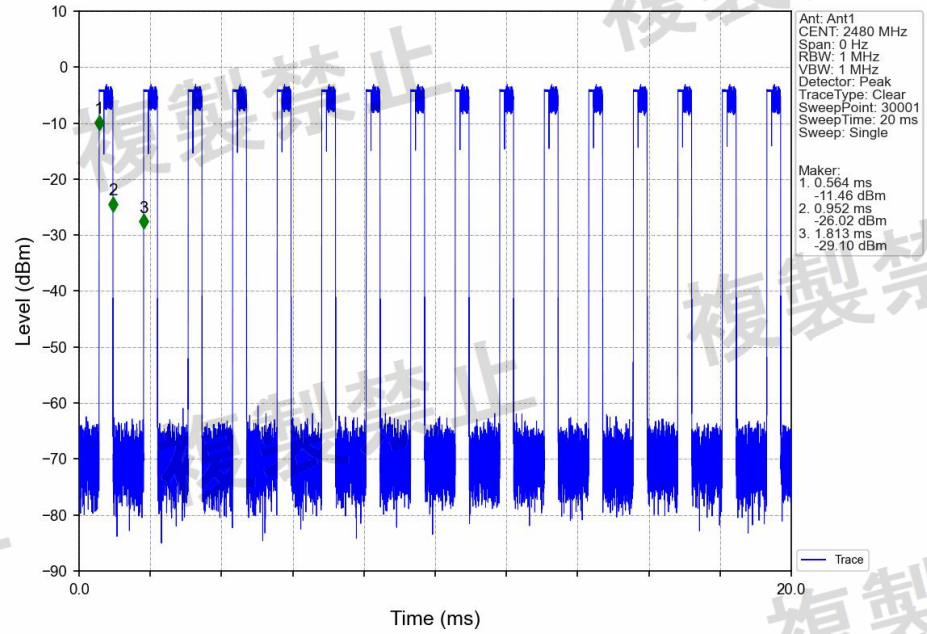
8DPSK_3DH3_2402MHz_Ant1_NTHV



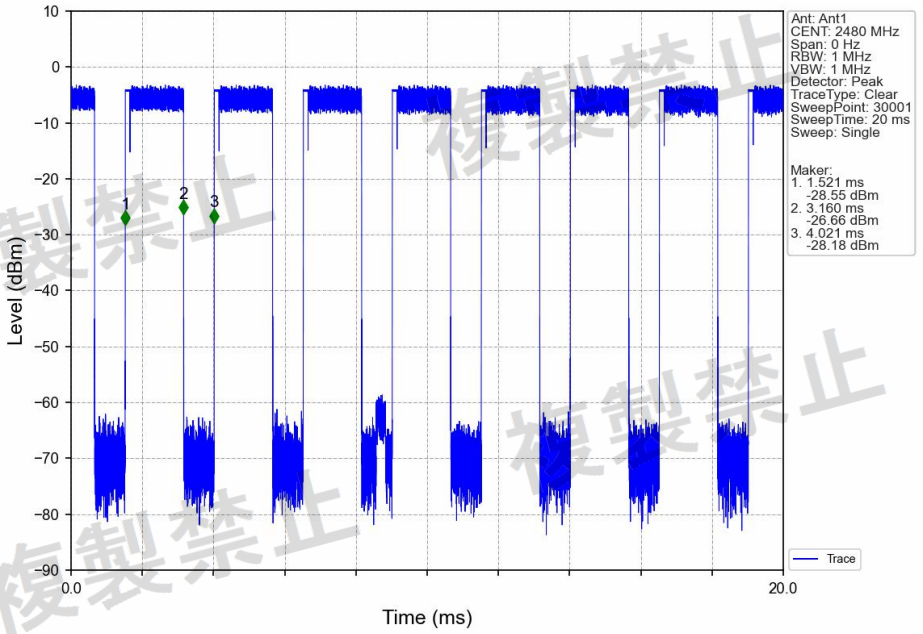
8DPSK_3DH5_2402MHz_Ant1_NTHV



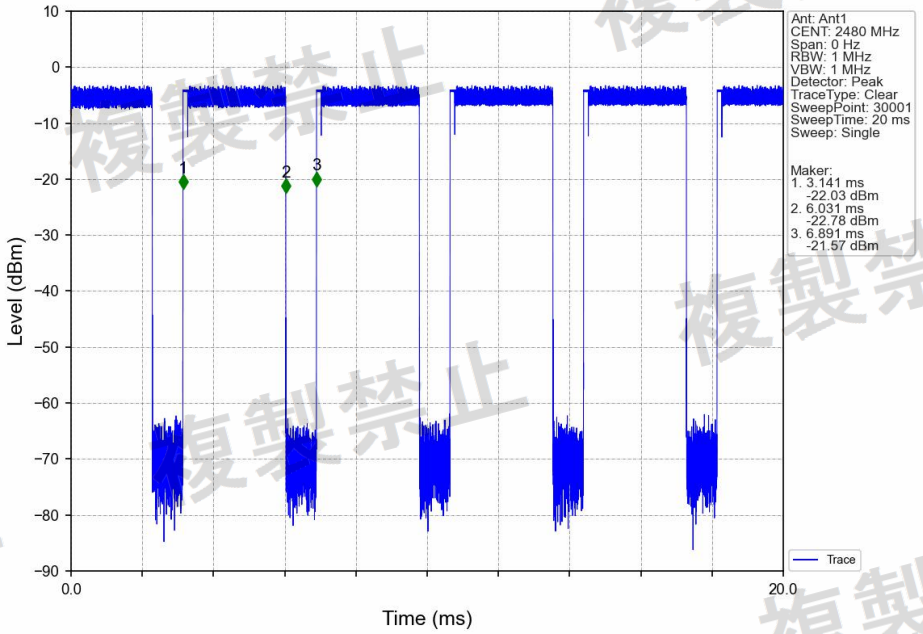
8DPSK_3DH1_2480MHz_Ant1_NTHV



8DPSK_3DH3_2480MHz_Ant1_NTHV



8DPSK_3DH5_2480MHz_Ant1_NTHV



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	129.5	-42.93	0.051	/	/	2.5	Pass
				2387	2400	2399.974	-38.33	0.147	/	/	25	Pass
				2483.5	2496.5	2486.009	-56.54	0.002	/	/	25	Pass
				2496.5	12500	2499	-48.86	0.013	/	/	2.5	Pass
		2480	1	30	2387	129	-37.42	0.181	/	/	2.5	Pass
				2387	2400	2396.178	-59.77	0.001	/	/	25	Pass
				2483.5	2496.5	2483.63	-46.54	0.022	/	/	25	Pass
				2496.5	12500	2576.5	-47.69	0.017	/	/	2.5	Pass
Pi/4DQPSK	SISO	2402	1	30	2387	126.5	-43.74	0.042	/	/	2.5	Pass
				2387	2400	2399.948	-35.04	0.313	/	/	25	Pass
				2483.5	2496.5	2486.217	-56.92	0.002	/	/	25	Pass
				2496.5	12500	2499	-49.01	0.013	/	/	2.5	Pass
		2480	1	30	2387	126	-39.93	0.102	/	/	2.5	Pass
				2387	2400	2396.308	-59.66	0.001	/	/	25	Pass
				2483.5	2496.5	2483.526	-46.55	0.022	/	/	25	Pass
				2496.5	12500	2608.5	-47.44	0.018	/	/	2.5	Pass
8DPSK	SISO	2402	1	30	2387	128.5	-40.13	0.097	/	/	2.5	Pass
				2387	2400	2399.948	-35.35	0.292	/	/	25	Pass
				2483.5	2496.5	2486.139	-56.77	0.002	/	/	25	Pass
				2496.5	12500	2499	-49.48	0.011	/	/	2.5	Pass
		2480	1	30	2387	128.5	-36.85	0.207	/	/	2.5	Pass
				2387	2400	2395.749	-57.84	0.002	/	/	25	Pass
				2483.5	2496.5	2483.552	-46.35	0.023	/	/	25	Pass
				2496.5	12500	2499	-47.27	0.019	/	/	2.5	Pass

6.1.2 TxSe_NTLV

NTLV												
Mode	TX Type	Freq. (MHz)	ANT	Freq. Range		Marker					Limit (uW /MHz)	Verdict
				Start (MHz)	Stop (MHz)	Freq. (MHz)	PK Power (dBm /MHz)	PK Power (uW /MHz)	AV Power (dBm /MHz)	AV Power (uW /MHz)		
GFSK	SISO	2402	1	30	2387	128.5	-42.02	0.063	/	/	2.5	Pass
				2387	2400	2399.987	-38.29	0.148	/	/	25	Pass
				2483.5	2496.5	2486.399	-56.76	0.002	/	/	25	Pass
				2496.5	12500	2498.5	-48.80	0.013	/	/	2.5	Pass
		2480	1	30	2387	131	-42.56	0.055	/	/	2.5	Pass
				2387	2400	2395.931	-59.37	0.001	/	/	25	Pass
				2483.5	2496.5	2483.76	-46.64	0.022	/	/	25	Pass
				2496.5	12500	5767	-45.49	0.028	/	/	2.5	Pass
Pi/4DQPSK	SISO	2402	1	30	2387	129	-37.53	0.177	/	/	2.5	Pass
				2387	2400	2399.987	-35.11	0.308	/	/	25	Pass
				2483.5	2496.5	2485.892	-56.59	0.002	/	/	25	Pass
				2496.5	12500	5759	-48.45	0.014	/	/	2.5	Pass
		2480	1	30	2387	128.5	-36.70	0.214	/	/	2.5	Pass

				2387	2400	2395.84	-60.44	0.001	/	/	25	Pass
				2483.5	2496.5	2483.526	-45.77	0.026	/	/	25	Pass
				2496.5	12500	5769	-48.20	0.015	/	/	2.5	Pass
8DPSK	SISO	2402	1	30	2387	131	-43.98	0.040	/	/	2.5	Pass
				2387	2400	2399.987	-34.91	0.323	/	/	25	Pass
				2483.5	2496.5	2485.723	-56.90	0.002	/	/	25	Pass
				2496.5	12500	5761.5	-48.85	0.013	/	/	2.5	Pass
		2480	1	30	2387	129	-37.99	0.159	/	/	2.5	Pass
				2387	2400	2396.399	-57.08	0.002	/	/	25	Pass
				2483.5	2496.5	2483.539	-46.10	0.025	/	/	25	Pass
				2496.5	12500	2576.5	-48.66	0.014	/	/	2.5	Pass

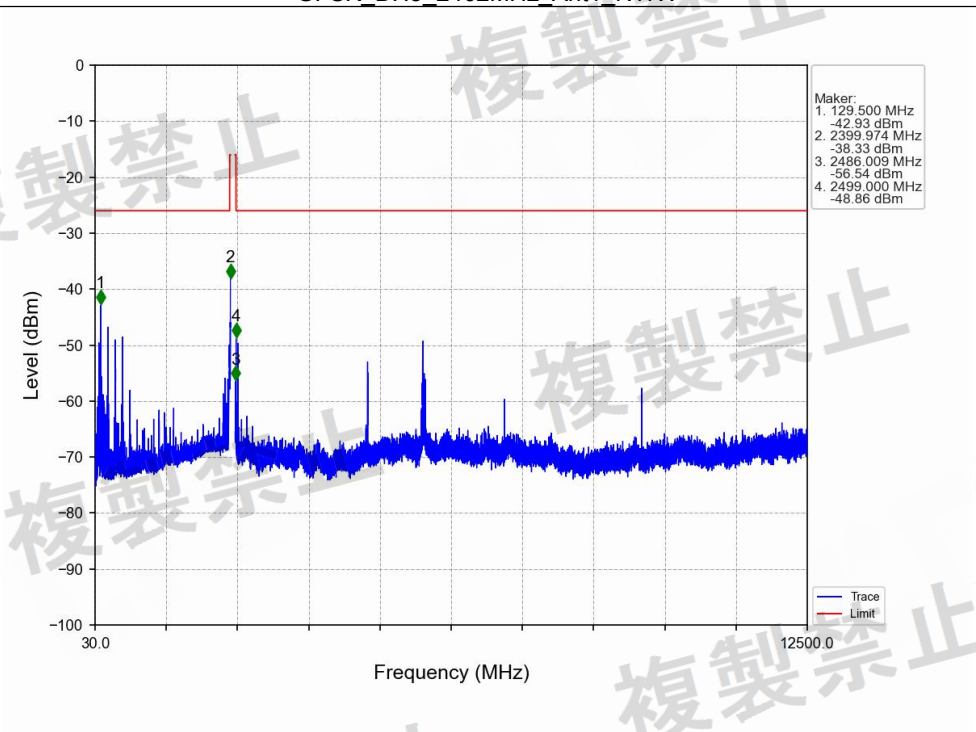
6.1.3 TxSe_NTHV

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	129	-37.34	0.185	/	/	2.5	Pass
				2387	2400	2399.987	-36.73	0.212	/	/	25	Pass
				2483.5	2496.5	2486.178	-56.13	0.002	/	/	25	Pass
				2496.5	12500	2498.5	-48.69	0.014	/	/	2.5	Pass
		2480	1	30	2387	2092.5	-45.65	0.027	/	/	2.5	Pass
				2387	2400	2396.165	-59.49	0.001	/	/	25	Pass
				2483.5	2496.5	2483.526	-46.66	0.022	/	/	25	Pass
				2496.5	12500	5764	-46.77	0.021	/	/	2.5	Pass
Pi/4DQPSK	SISO	2402	1	30	2387	129.5	-41.38	0.073	/	/	2.5	Pass
				2387	2400	2399.922	-35.06	0.312	/	/	25	Pass
				2483.5	2496.5	2485.853	-56.86	0.002	/	/	25	Pass
				2496.5	12500	2499	-50.11	0.010	/	/	2.5	Pass
		2480	1	30	2387	705	-29.81	1.045	/	/	2.5	Pass
				2387	2400	2395.944	-60.12	0.001	/	/	25	Pass
				2483.5	2496.5	2483.513	-46.02	0.025	/	/	25	Pass
				2496.5	12500	2576.5	-47.63	0.017	/	/	2.5	Pass
8DPSK	SISO	2402	1	30	2387	131	-43.72	0.042	/	/	2.5	Pass
				2387	2400	2399.974	-35.12	0.308	/	/	25	Pass
				2483.5	2496.5	2485.892	-56.93	0.002	/	/	25	Pass
				2496.5	12500	2498.5	-49.28	0.012	/	/	2.5	Pass
		2480	1	30	2387	130.5	-42.13	0.061	/	/	2.5	Pass
				2387	2400	2395.801	-57.88	0.002	/	/	25	Pass
				2483.5	2496.5	2483.63	-45.65	0.027	/	/	25	Pass
				2496.5	12500	2577	-47.56	0.018	/	/	2.5	Pass

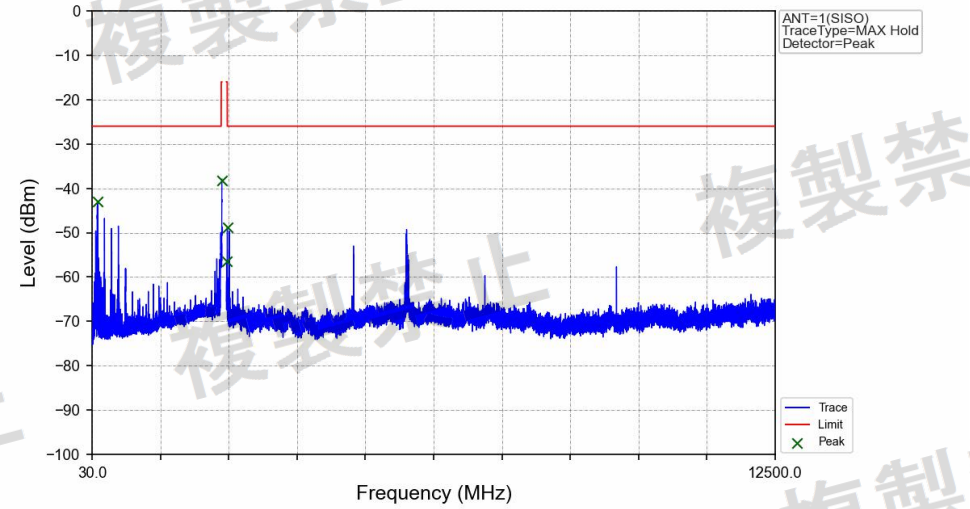
6.2 Test Graph

6.2.1 TxSe_NTNV

GFSK_DH5_2402MHz_Ant1_NTNV

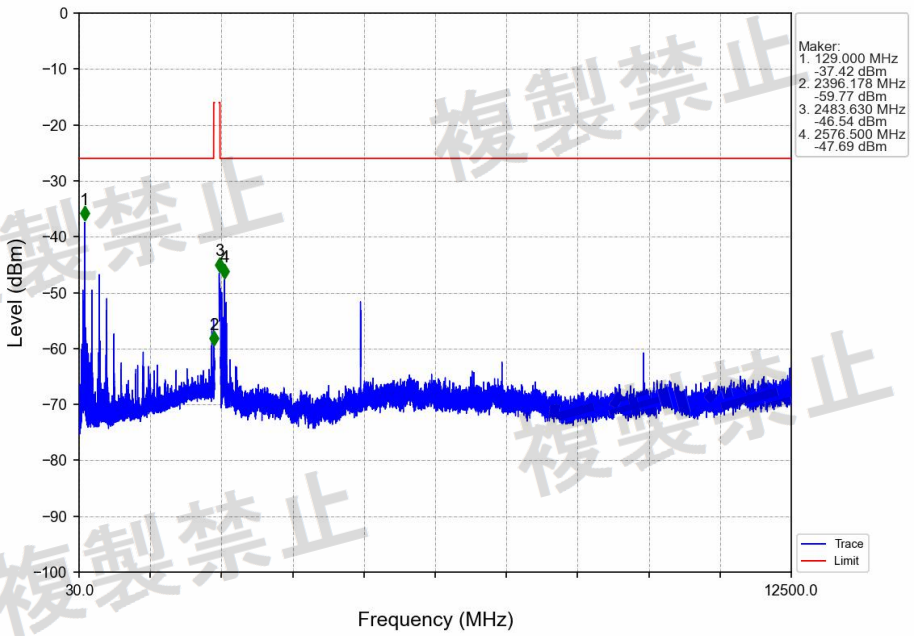


GFSK_DH5_2402MHz_Ant1_NTNV

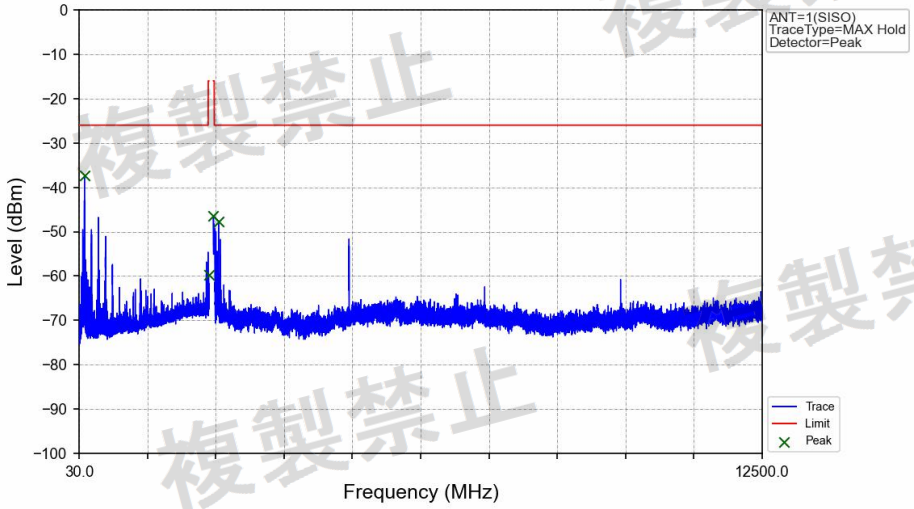


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	129.500	-42.93	/	-26	Pass
2387	2400	1	1	2399.974	-38.33	/	-16	Pass
2483.5	2496.5	1	1	2486.009	-56.54	/	-16	Pass
2496.5	12500	1	1	2499.000	-48.86	/	-26	Pass

GFSK_DH5_2480MHz_Ant1_NTNV

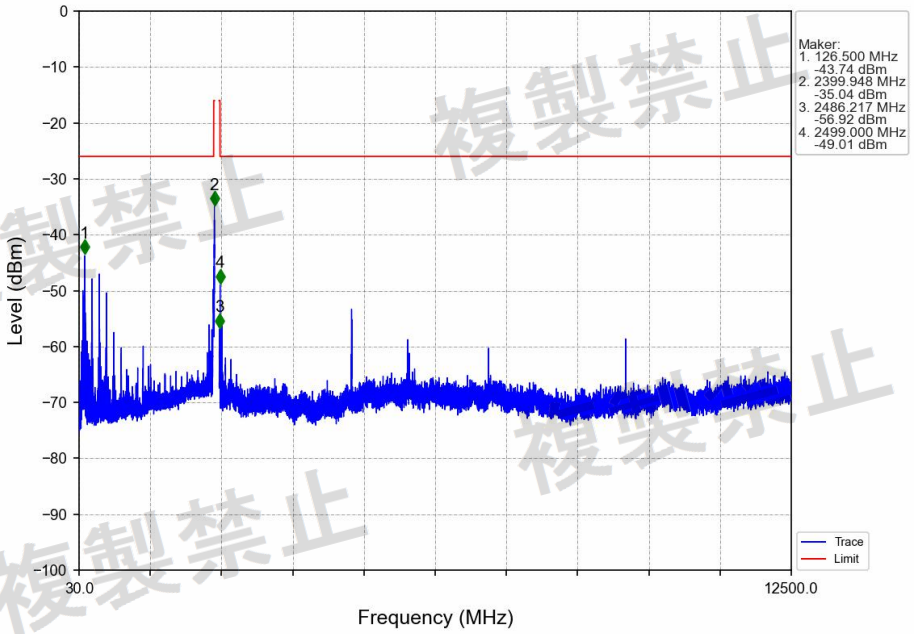


GFSK_DH5_2480MHz_Ant1_NTNV

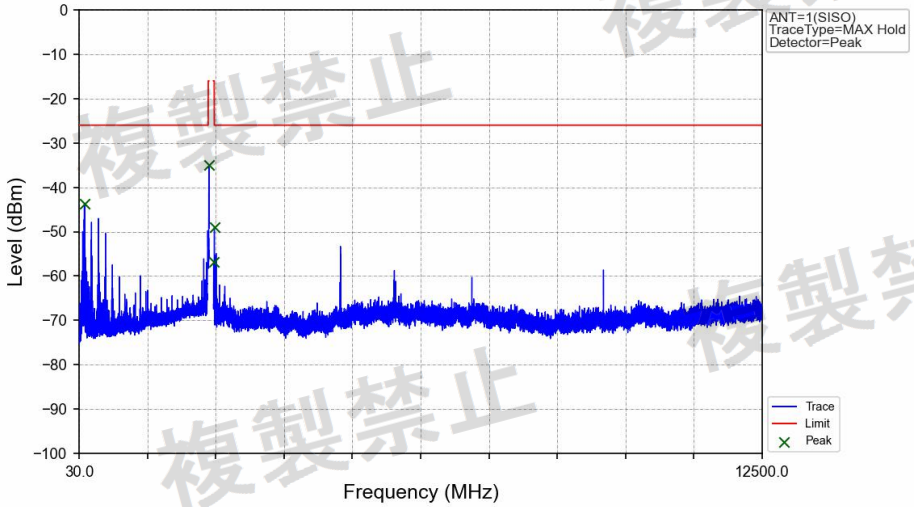


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	129.000	-37.42	/	-26	Pass
2387	2400	1	1	2396.178	-59.77	/	-16	Pass
2483.5	2496.5	1	1	2483.630	-46.54	/	-16	Pass
2496.5	12500	1	1	2576.500	-47.69	/	-26	Pass

Pi/4DQPSK_2DH5_2402MHz_Ant1_NTNV

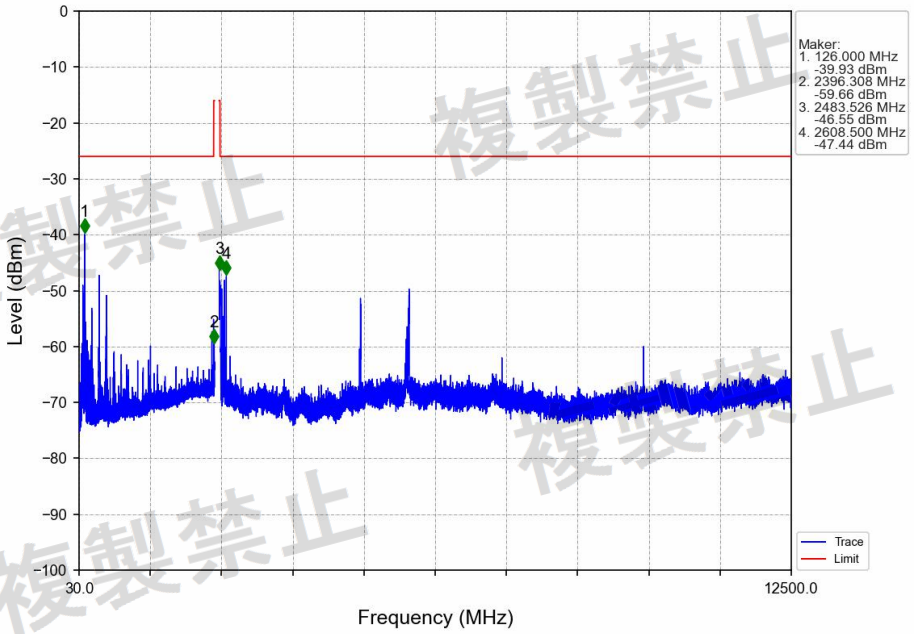


Pi/4DQPSK_2DH5_2402MHz_Ant1_NTNV

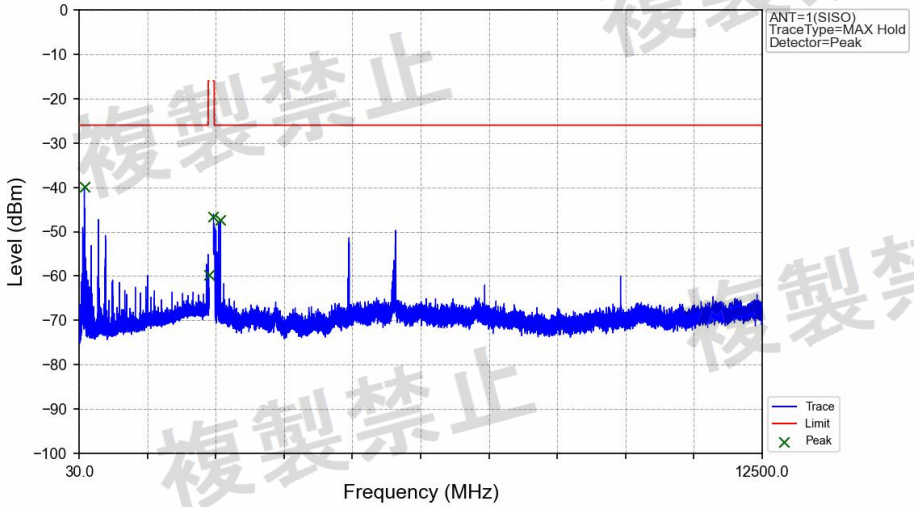


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	126.500	-43.74	/	-26	Pass
2387	2400	1	1	2399.948	-35.04	/	-16	Pass
2483.5	2496.5	1	1	2486.217	-56.92	/	-16	Pass
2496.5	12500	1	1	2499.000	-49.01	/	-26	Pass

Pi/4DQPSK_2DH5_2480MHz_Ant1_NTNV

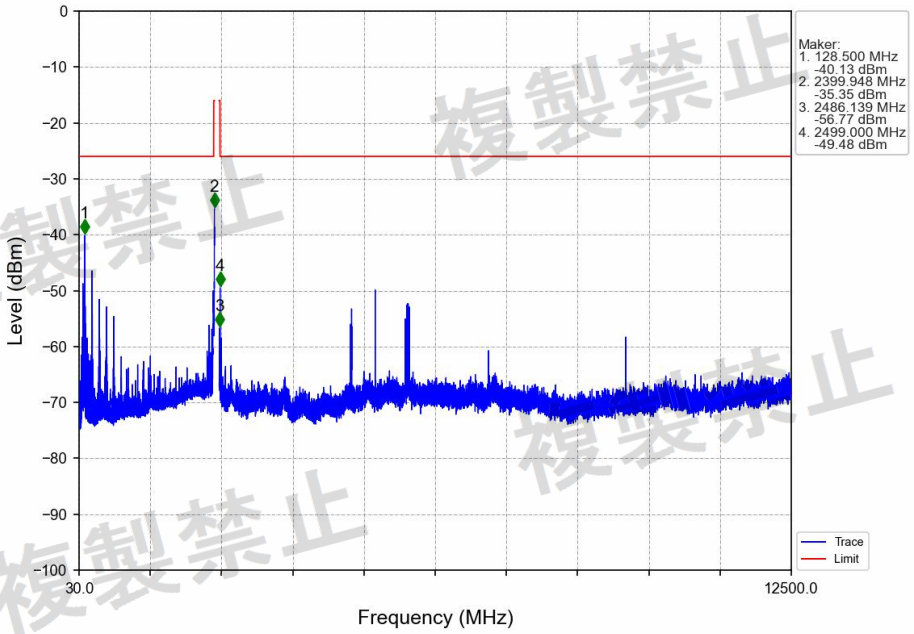


Pi/4DQPSK_2DH5_2480MHz_Ant1_NTNV

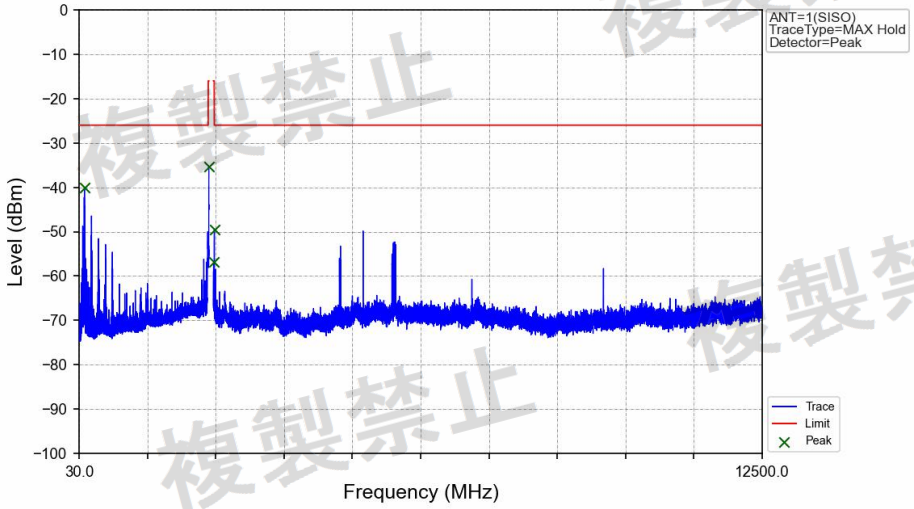


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	126.000	-39.93	/	-26	Pass
2387	2400	1	1	2396.308	-59.66	/	-16	Pass
2483.5	2496.5	1	1	2483.526	-46.55	/	-16	Pass
2496.5	12500	1	1	2608.500	-47.44	/	-26	Pass

8DPSK_3DH5_2402MHz_Ant1_NTNV

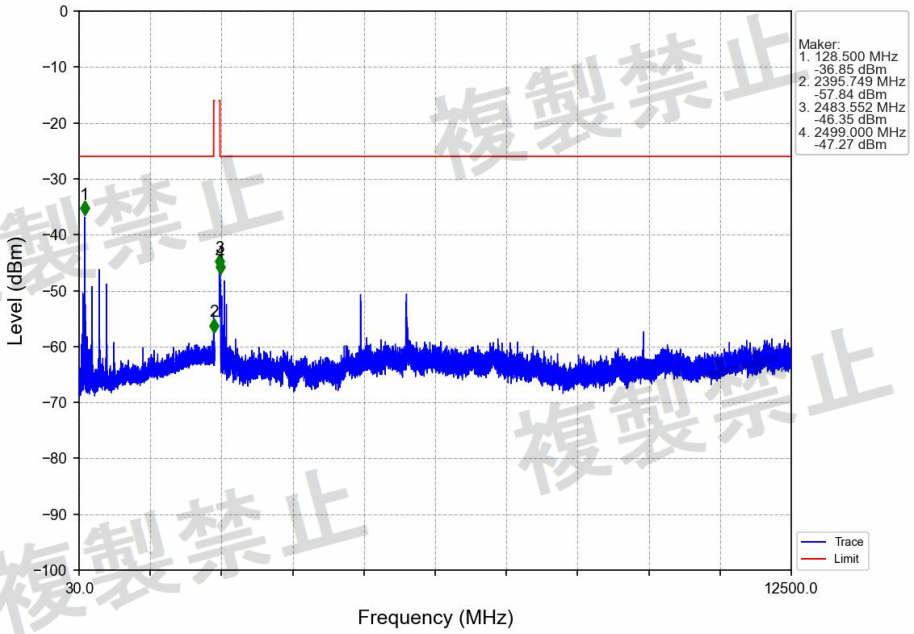


8DPSK_3DH5_2402MHz_Ant1_NTNV

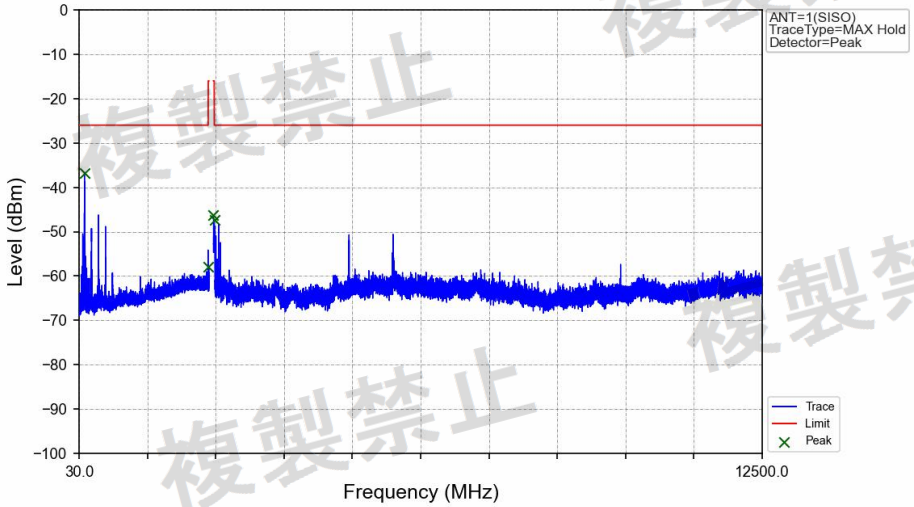


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	128.500	-40.13	/	-26	Pass
2387	2400	1	1	2399.948	-35.35	/	-16	Pass
2483.5	2496.5	1	1	2486.139	-56.77	/	-16	Pass
2496.5	12500	1	1	2499.000	-49.48	/	-26	Pass

8DPSK_3DH5_2480MHz_Ant1_NTNV



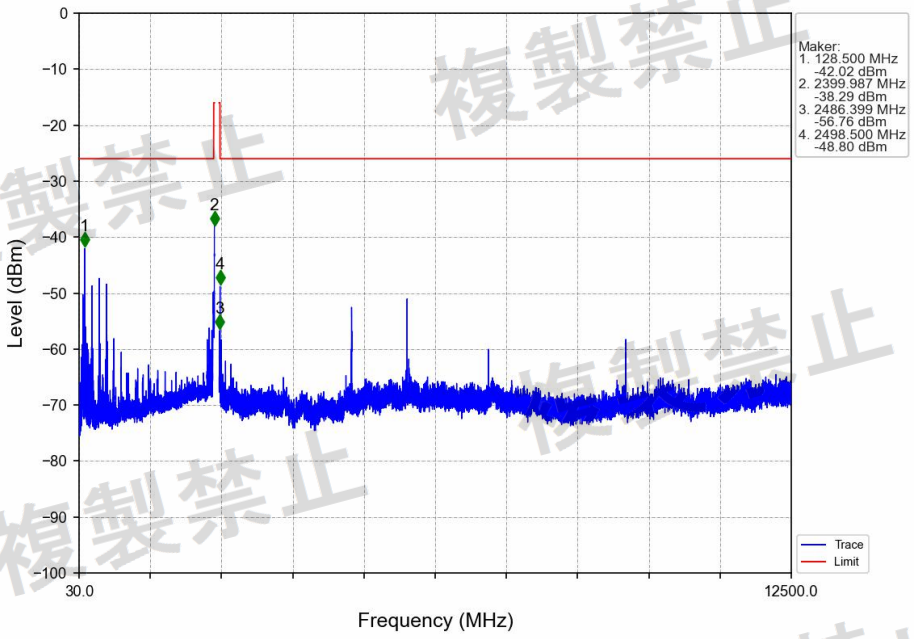
8DPSK_3DH5_2480MHz_Ant1_NTNV



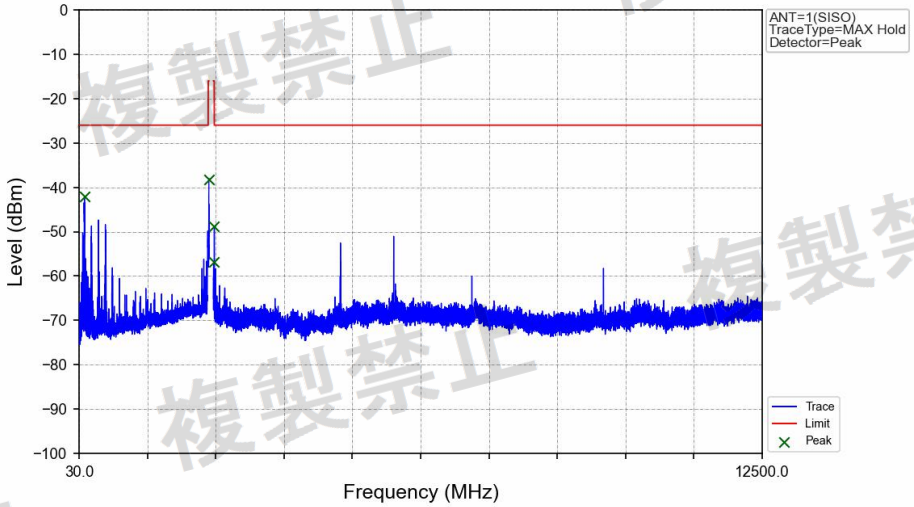
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	128.500	-36.85	/	-26	Pass
2387	2400	1	1	2395.749	-57.84	/	-16	Pass
2483.5	2496.5	1	1	2483.552	-46.35	/	-16	Pass
2496.5	12500	1	1	2499.000	-47.27	/	-26	Pass

6.2.2 TxSe_NTLV

GFSK_DH5_2402MHz_Ant1_NTLV

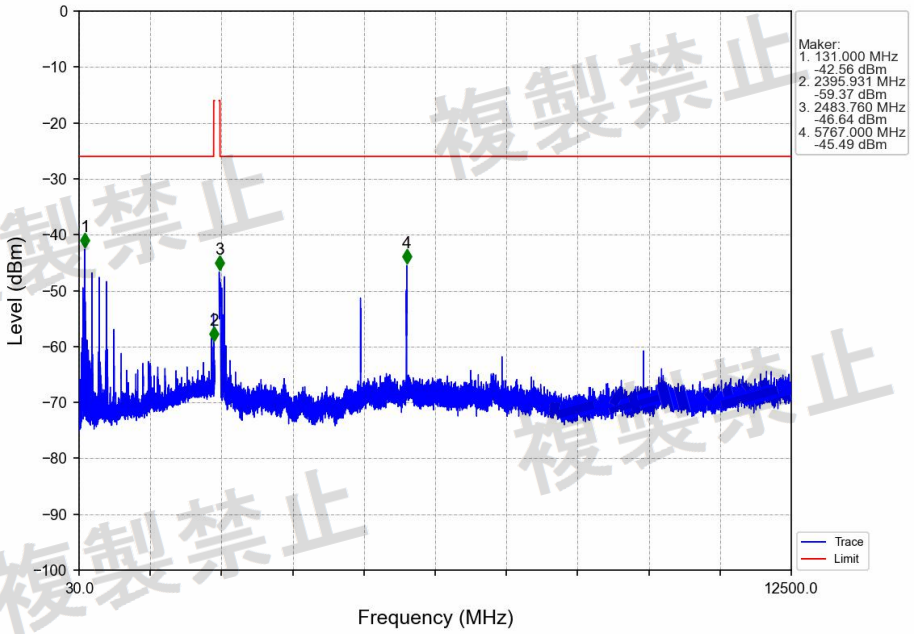


GFSK_DH5_2402MHz_Ant1_NTLV

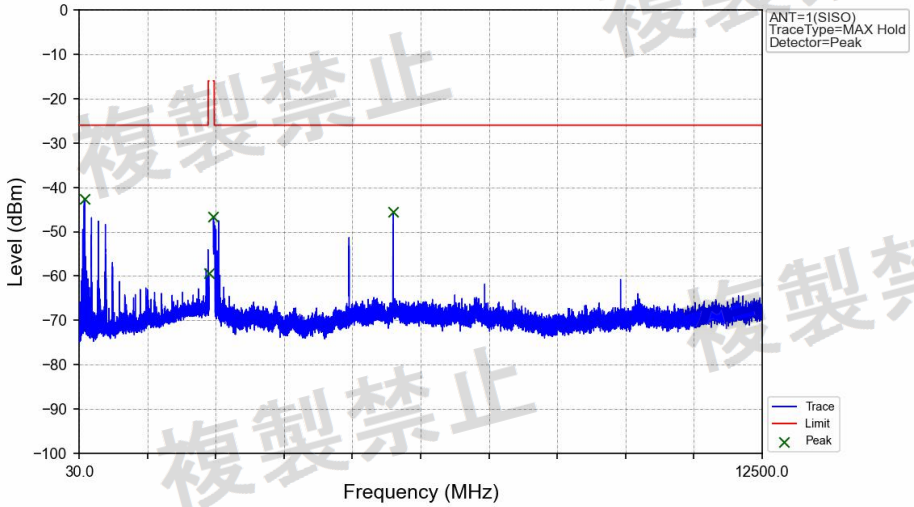


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	128.500	-42.02	/	-26	Pass
2387	2400	1	1	2399.987	-38.29	/	-16	Pass
2483.5	2496.5	1	1	2486.399	-56.76	/	-16	Pass
2496.5	12500	1	1	2498.500	-48.80	/	-26	Pass

GFSK_DH5_2480MHz_Ant1_NTLV

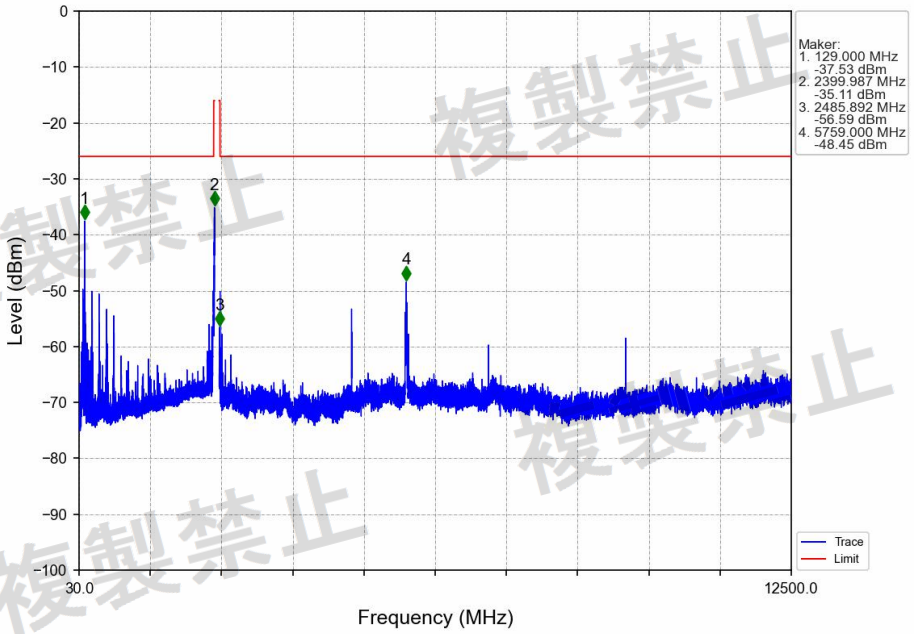


GFSK_DH5_2480MHz_Ant1_NTLV

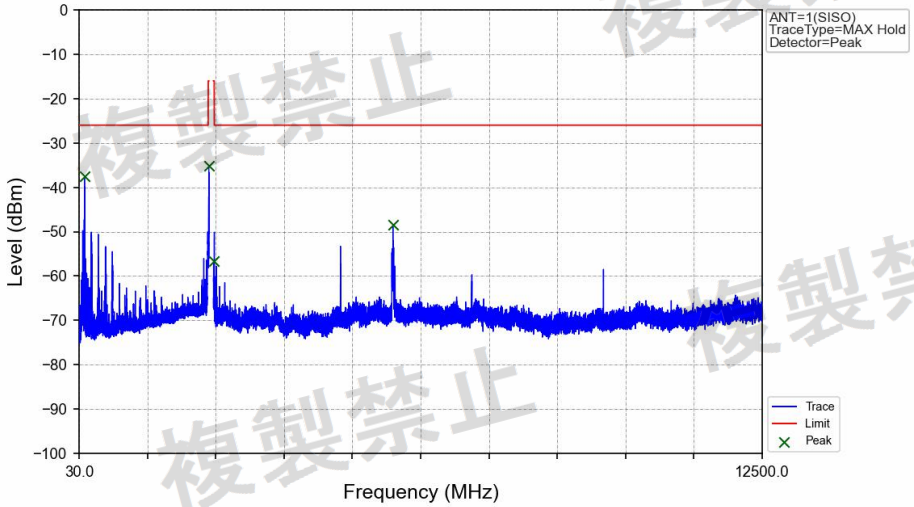


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	131.000	-42.56	/	-26	Pass
2387	2400	1	1	2395.931	-59.37	/	-16	Pass
2483.5	2496.5	1	1	2483.760	-46.64	/	-16	Pass
2496.5	12500	1	1	5767.000	-45.49	/	-26	Pass

Pi/4DQPSK_2DH5_2402MHz_Ant1_NTLV

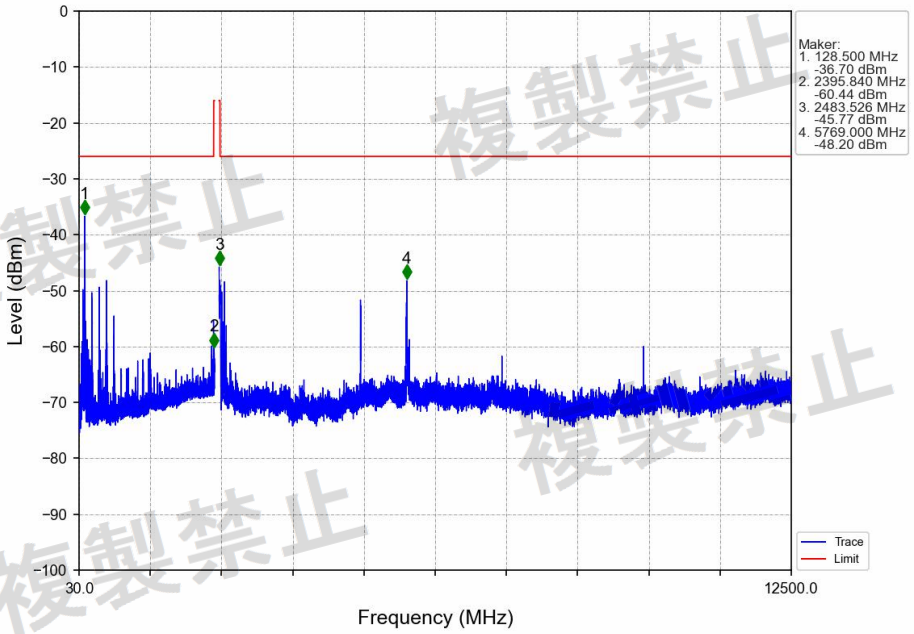


Pi/4DQPSK_2DH5_2402MHz_Ant1_NTLV

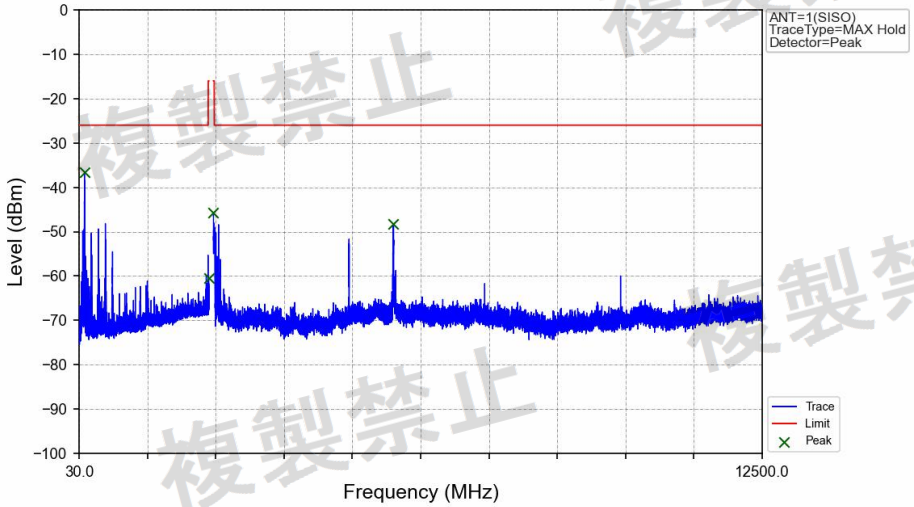


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	129.000	-37.53	/	-26	Pass
2387	2400	1	1	2399.987	-35.11	/	-16	Pass
2483.5	2496.5	1	1	2485.892	-56.59	/	-16	Pass
2496.5	12500	1	1	5759.000	-48.45	/	-26	Pass

Pi/4DQPSK_2DH5_2480MHz_Ant1_NTLV

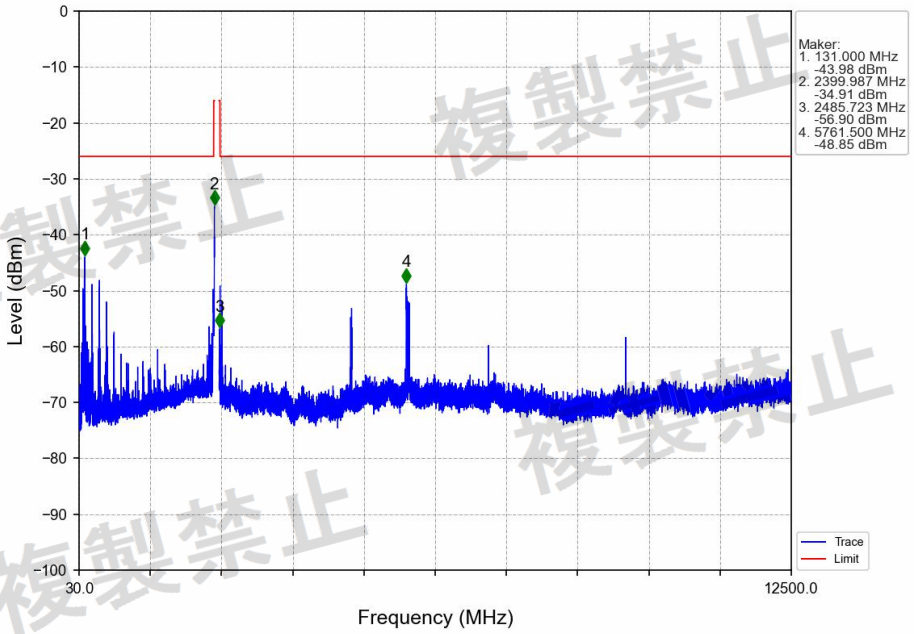


Pi/4DQPSK_2DH5_2480MHz_Ant1_NTLV

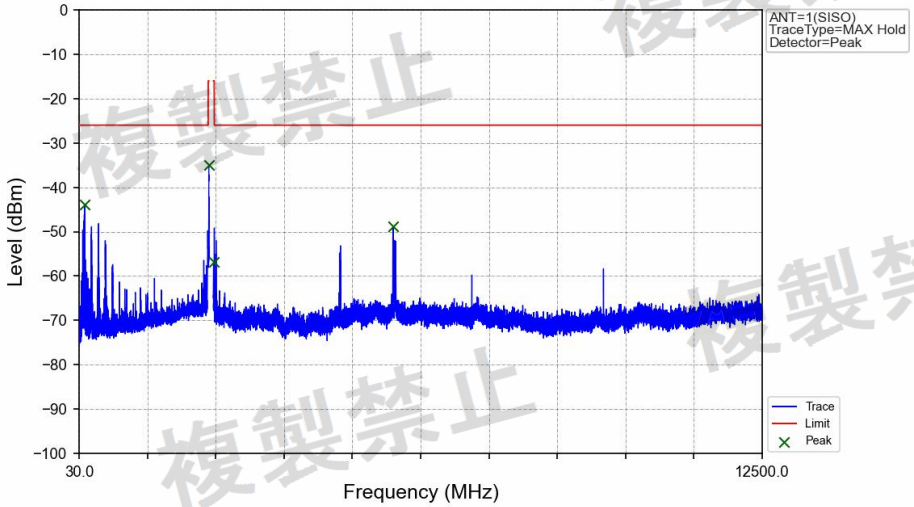


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	128.500	-36.70	/	-26	Pass
2387	2400	1	1	2395.840	-60.44	/	-16	Pass
2483.5	2496.5	1	1	2483.526	-45.77	/	-16	Pass
2496.5	12500	1	1	5769.000	-48.20	/	-26	Pass

8DPSK_3DH5_2402MHz_Ant1_NTLV

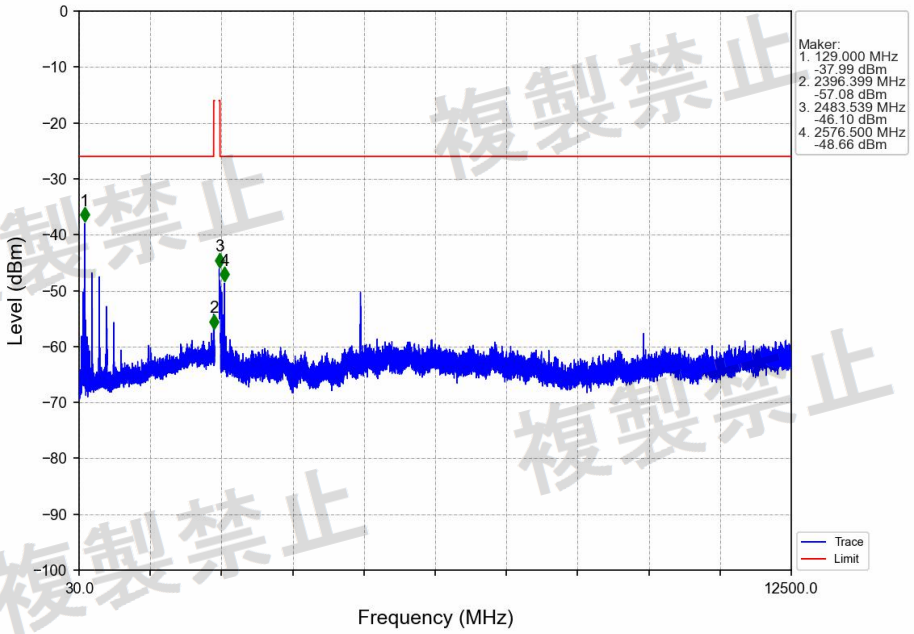


8DPSK_3DH5_2402MHz_Ant1_NTLV

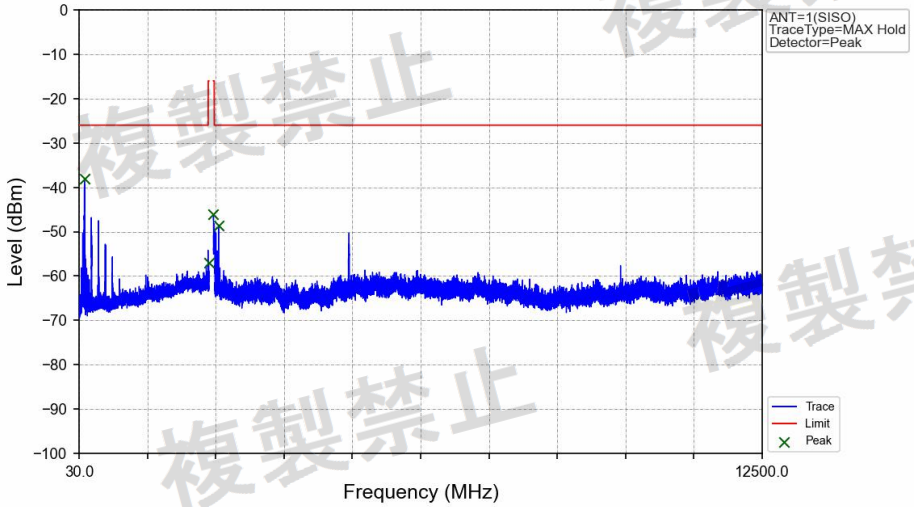


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	131.000	-43.98	/	-26	Pass
2387	2400	1	1	2399.987	-34.91	/	-16	Pass
2483.5	2496.5	1	1	2485.723	-56.90	/	-16	Pass
2496.5	12500	1	1	5761.500	-48.85	/	-26	Pass

8DPSK_3DH5_2480MHz_Ant1_NTLV



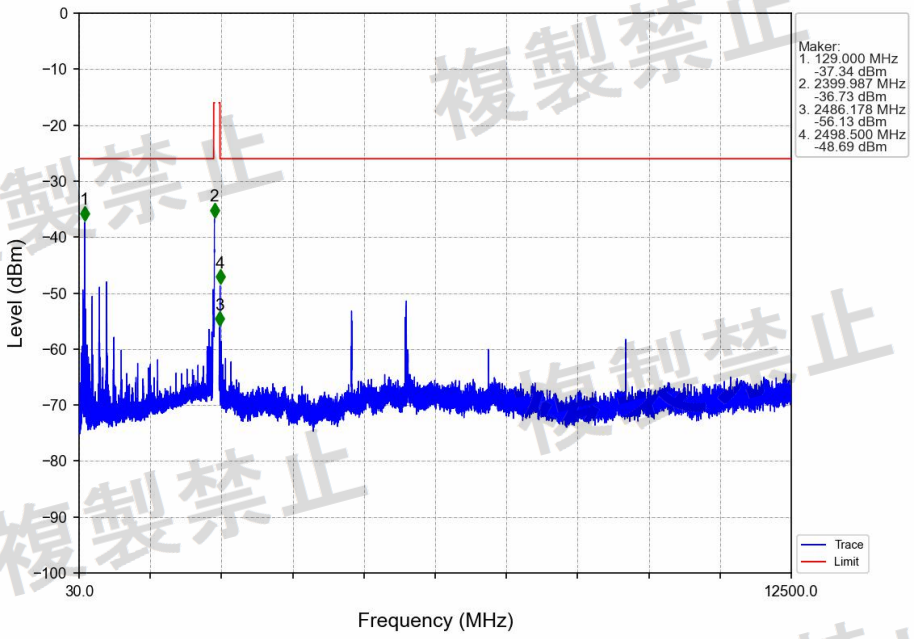
8DPSK_3DH5_2480MHz_Ant1_NTLV



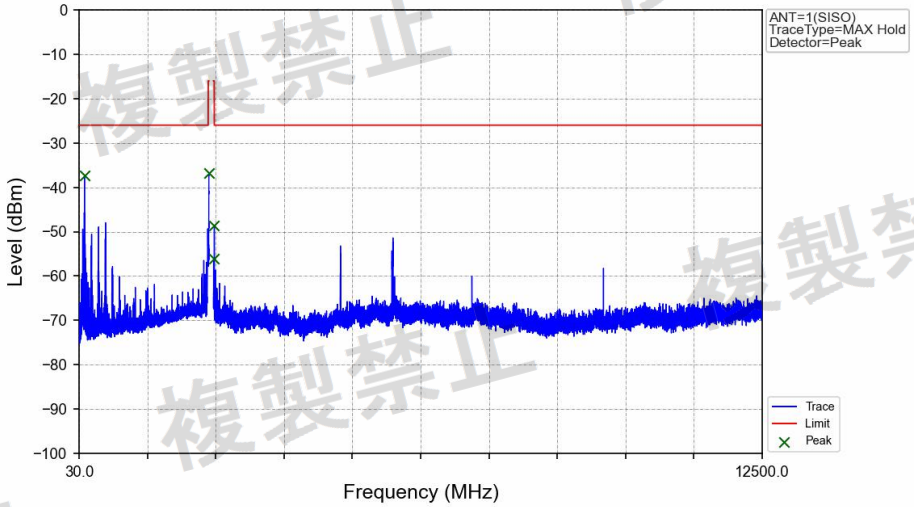
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	129.000	-37.99	/	-26	Pass
2387	2400	1	1	2396.399	-57.08	/	-16	Pass
2483.5	2496.5	1	1	2483.539	-46.10	/	-16	Pass
2496.5	12500	1	1	2576.500	-48.66	/	-26	Pass

6.2.3 TxSe_NTHV

GFSK_DH5_2402MHz_Ant1_NTHV

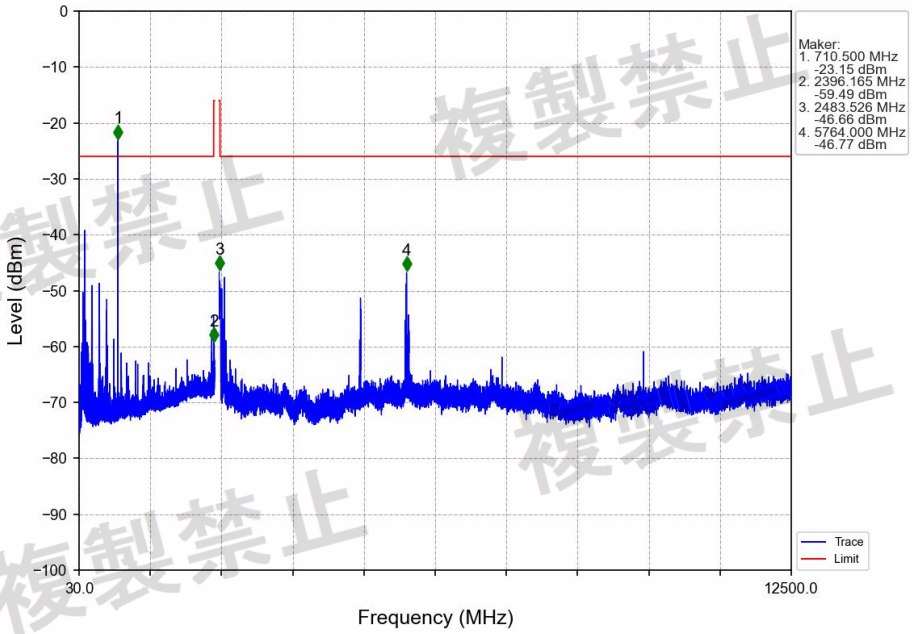


GFSK_DH5_2402MHz_Ant1_NTHV

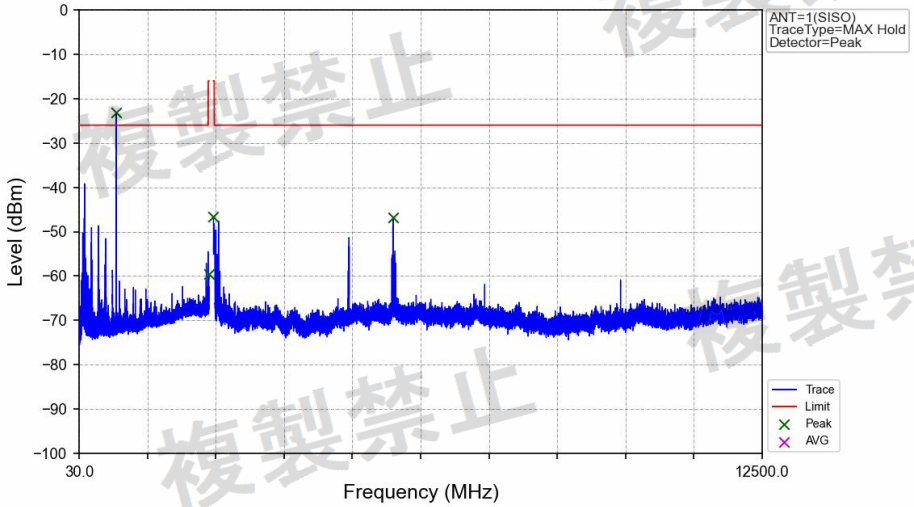


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	129.000	-37.34	/	-26	Pass
2387	2400	1	1	2399.987	-36.73	/	-16	Pass
2483.5	2496.5	1	1	2486.178	-56.13	/	-16	Pass
2496.5	12500	1	1	2498.500	-48.69	/	-26	Pass

GFSK_DH5_2480MHz_Ant1_NTHV

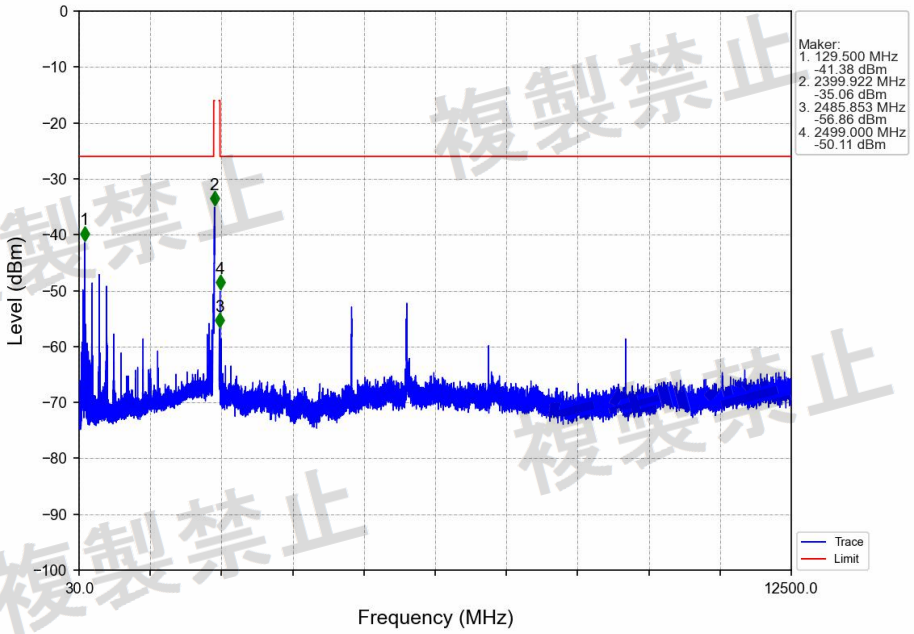


GFSK_DH5_2480MHz_Ant1_NTHV

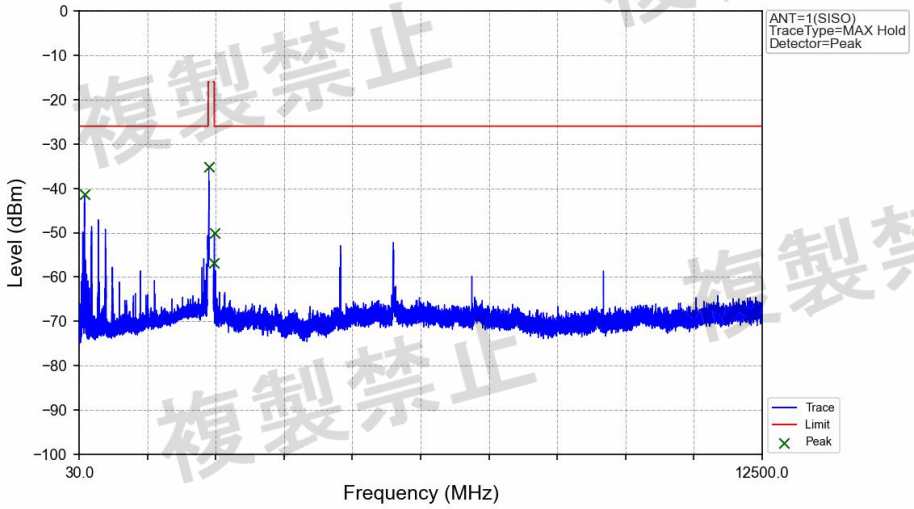


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	710.500	-23.15	-149.18	-26	Pass
2387	2400	1	1	2396.165	-59.49	/	-16	Pass
2483.5	2496.5	1	1	2483.526	-46.66	/	-16	Pass
2496.5	12500	1	1	5764.000	-46.77	/	-26	Pass

Pi/4DQPSK_2DH5_2402MHz_Ant1_NTHV

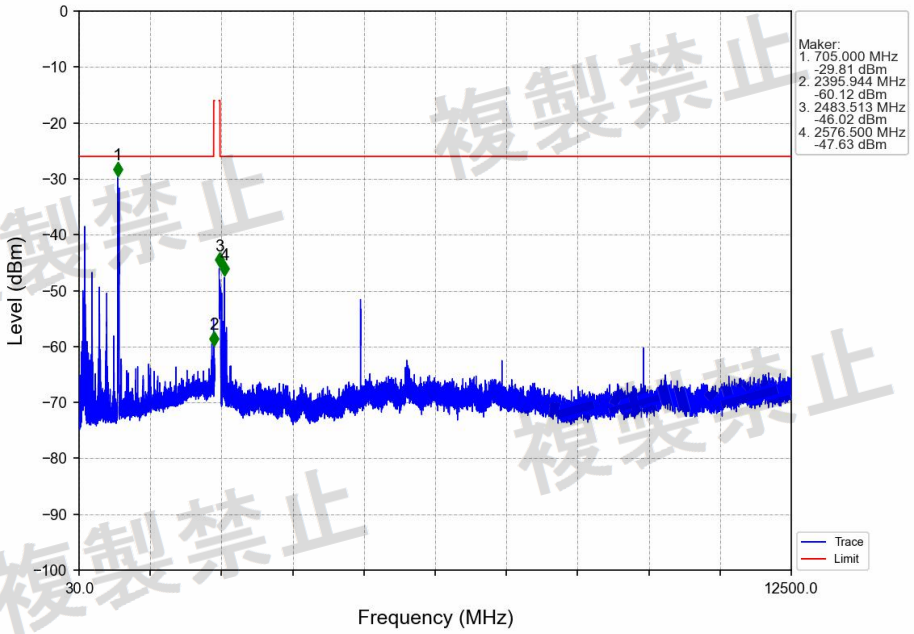


Pi/4DQPSK_2DH5_2402MHz_Ant1_NTHV

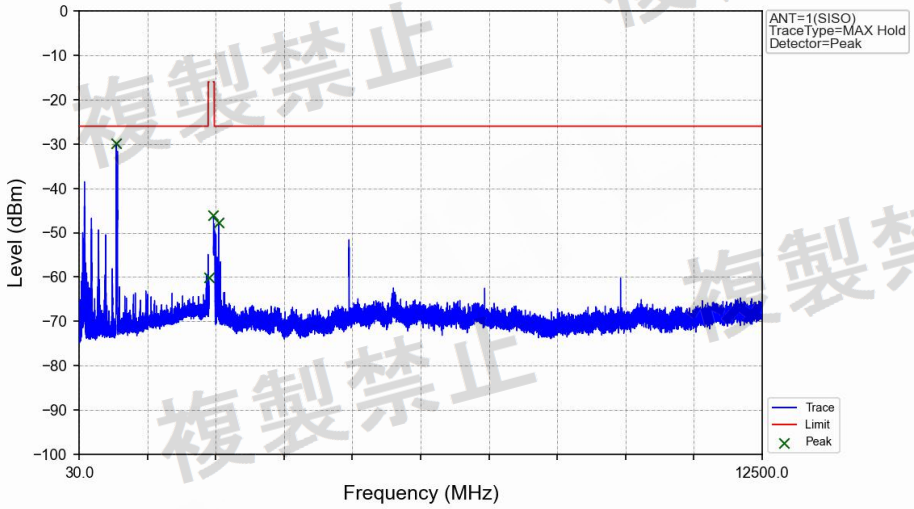


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	129.500	-41.38	/	-26	Pass
2387	2400	1	1	2399.922	-35.06	/	-16	Pass
2483.5	2496.5	1	1	2485.853	-56.86	/	-16	Pass
2496.5	12500	1	1	2499.000	-50.11	/	-26	Pass

Pi/4DQPSK_2DH5_2480MHz_Ant1_NTHV

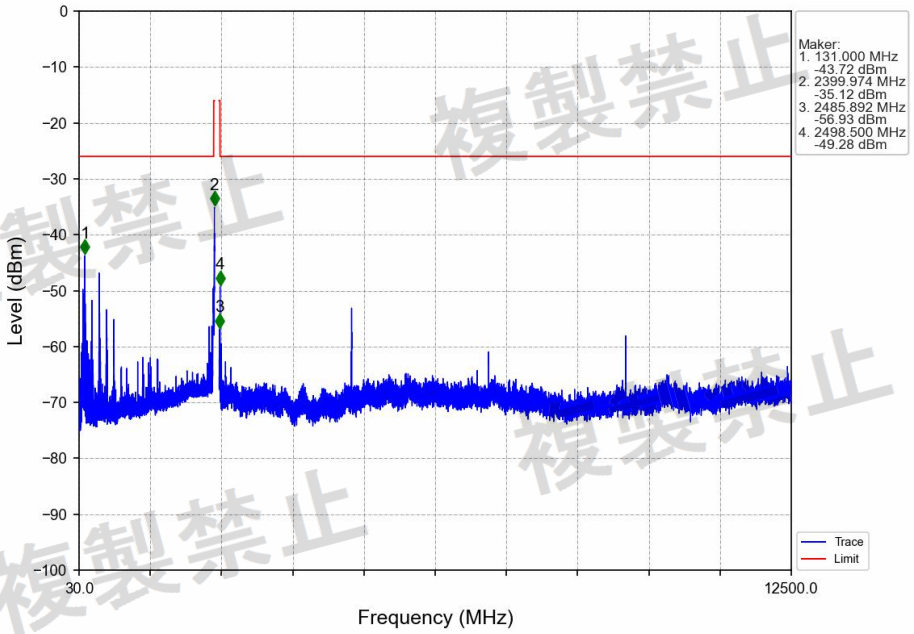


Pi/4DQPSK_2DH5_2480MHz_Ant1_NTHV

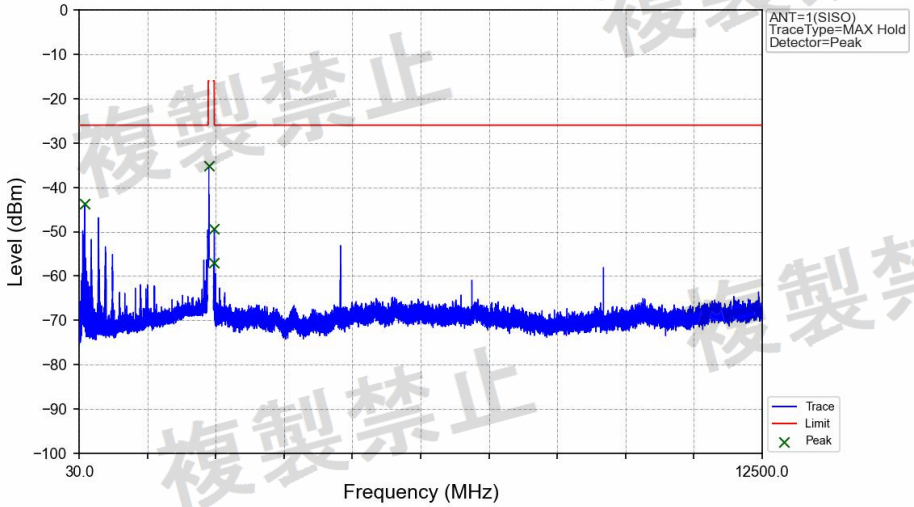


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	705.000	-29.81	/	-26	Pass
2387	2400	1	1	2395.944	-60.12	/	-16	Pass
2483.5	2496.5	1	1	2483.513	-46.02	/	-16	Pass
2496.5	12500	1	1	2576.500	-47.63	/	-26	Pass

8DPSK_3DH5_2402MHz_Ant1_NTHV

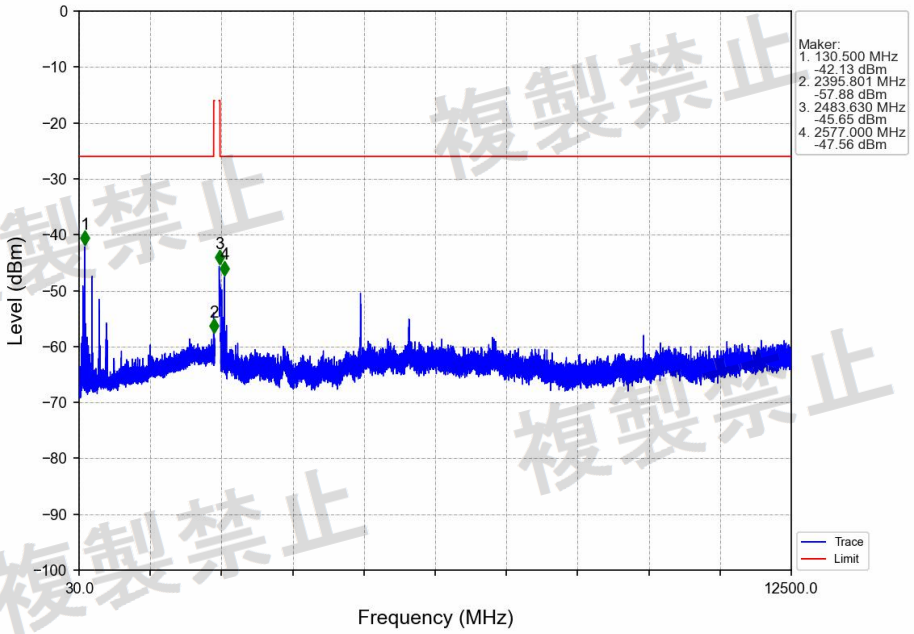


8DPSK_3DH5_2402MHz_Ant1_NTHV

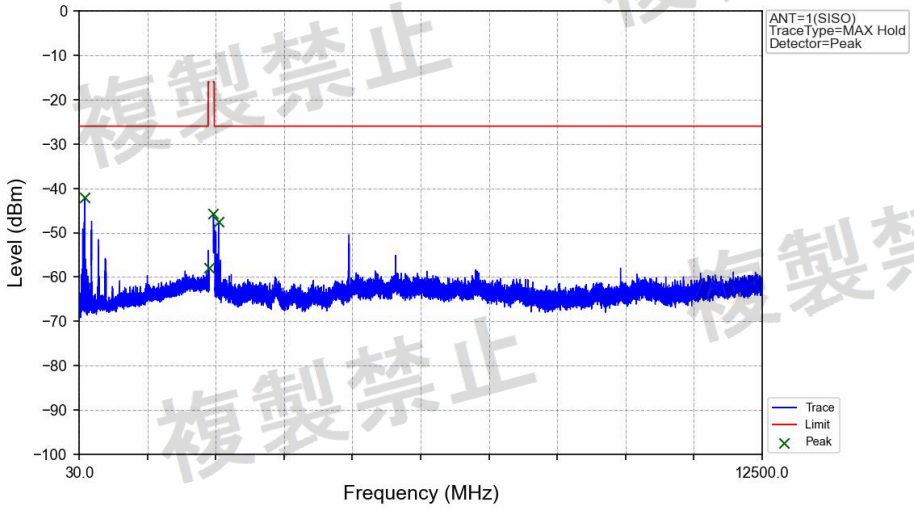


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	131.000	-43.72	/	-26	Pass
2387	2400	1	1	2399.974	-35.12	/	-16	Pass
2483.5	2496.5	1	1	2485.892	-56.93	/	-16	Pass
2496.5	12500	1	1	2498.500	-49.28	/	-26	Pass

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	2387	1	1	130.500	-42.13	/	-26	Pass
2387	2400	1	1	2395.801	-57.88	/	-16	Pass
2483.5	2496.5	1	1	2483.630	-45.65	/	-16	Pass
2496.5	12500	1	1	2577.000	-47.56	/	-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	932.25	-78.21	0.015	/	/	4	Pass
				1000	12500	2409	-54.79	3.319	-79.26	0.012	20	Pass
						2413	-52.51	5.610	-67.71	0.169	20	Pass
		2480	1	30	1000	719.8	-78.33	0.015	/	/	4	Pass
				1000	12500	5861.5	-63.67	0.430	/	/	20	Pass
Pi/4DQPSK	SISO	2402	1	30	1000	452.3	-78.29	0.015	/	/	4	Pass
				1000	12500	2412	-51.39	7.261	-79.27	0.012	20	Pass
						2416	-56.83	2.075	-79.26	0.012	20	Pass
		2480	1	30	1000	741.5	-78.73	0.013	/	/	4	Pass
				1000	12500	2407	-56.70	2.138	-79.34	0.012	20	Pass
						2411	-50.41	9.099	-79.30	0.012	20	Pass
8DPSK	SISO	2402	1	30	1000	997.45	-78.47	0.014	/	/	4	Pass
				1000	12500	2410.5	-52.20	6.026	-68.32	0.147	20	Pass
		2480	1	30	1000	896.55	-77.56	0.018	/	/	4	Pass
				1000	12500	2415	-54.90	3.236	-68.91	0.129	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	917.4	-77.65	0.017	/	/	4	Pass
				1000	12500	2409	-53.53	4.436	-79.28	0.012	20	Pass
						2414	-53.16	4.831	-69.41	0.115	20	Pass
		2480	1	30	1000	704.6	-53.34	4.634	-92.06	0.001	4	Pass
						729	-57.06	1.968	-92.54	0.001	4	Pass
				1000	12500	2407.5	-54.65	3.428	-69.61	0.109	20	Pass
						2410.5	-53.31	4.667	-79.28	0.012	20	Pass
						2414	-52.83	5.212	-79.29	0.012	20	Pass
Pi/4DQPSK	SISO	2402	1	30	1000	872.6	-78.04	0.016	/	/	4	Pass
				1000	12500	5624.5	-64.20	0.380	/	/	20	Pass
		2480	1	30	1000	776.4	-78.62	0.014	/	/	4	Pass
				1000	12500	12325.5	-63.16	0.483	/	/	20	Pass
8DPSK	SISO	2402	1	30	1000	886.9	-77.45	0.018	/	/	4	Pass
				1000	12500	2410.5	-53.79	4.178	-72.20	0.060	20	Pass
		2480	1	30	1000	990.75	-77.86	0.016	/	/	4	Pass
				1000	12500	2415	-54.86	3.266	-79.24	0.012	20	Pass

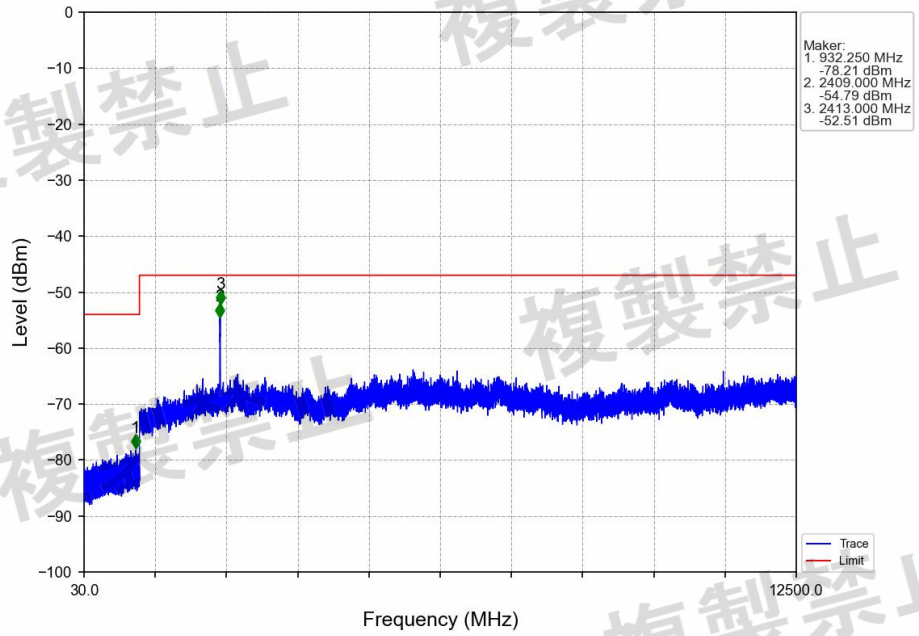
7.1.3 RxSe_NTHV

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	908.45	-78.07	0.016	/	/	4	Pass
				1000	12500	2409	-53.57	4.395	-69.71	0.107	20	Pass
						2412.5	-51.87	6.501	-66.57	0.220	20	Pass
						2416	-55.64	2.729	-75.39	0.029	20	Pass
		2480	1	30	1000	994	-77.13	0.019	/	/	4	Pass
				1000	12500	2408	-56.02	2.500	-70.62	0.087	20	Pass
						2412	-51.95	6.383	-68.40	0.145	20	Pass
						2415	-55.11	3.083	-79.28	0.012	20	Pass
Pi/4DQPSK	SISO	2402	1	30	1000	955.05	-78.54	0.014	/	/	4	Pass
				1000	12500	2411.5	-51.37	7.295	-79.30	0.012	20	Pass
						2416	-56.06	2.477	-70.72	0.085	20	Pass
		2480	1	30	1000	986.4	-78.70	0.013	/	/	4	Pass
				1000	12500	12435	-63.82	0.415	/	/	20	Pass
8DPSK	SISO	2402	1	30	1000	757.8	-78.28	0.015	/	/	4	Pass
				1000	12500	2411	-52.95	5.070	-66.95	0.202	20	Pass
						2416	-54.80	3.311	-74.99	0.032	20	Pass
		2480	1	30	1000	942.95	-78.71	0.013	/	/	4	Pass
				1000	12500	5933	-63.64	0.433	/	/	20	Pass

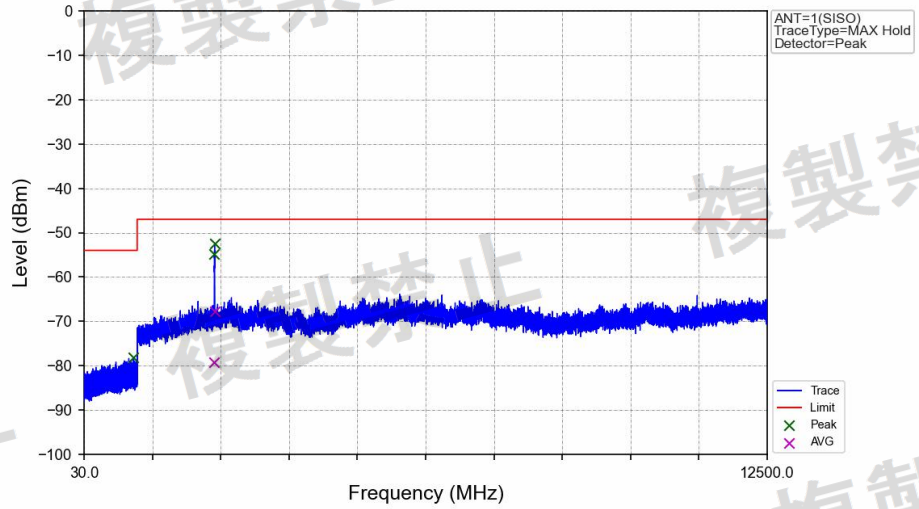
7.2 Test Graph

7.2.1 RxSe_NTNV

GFSK_DH5_2402MHz_Ant1_NTNV

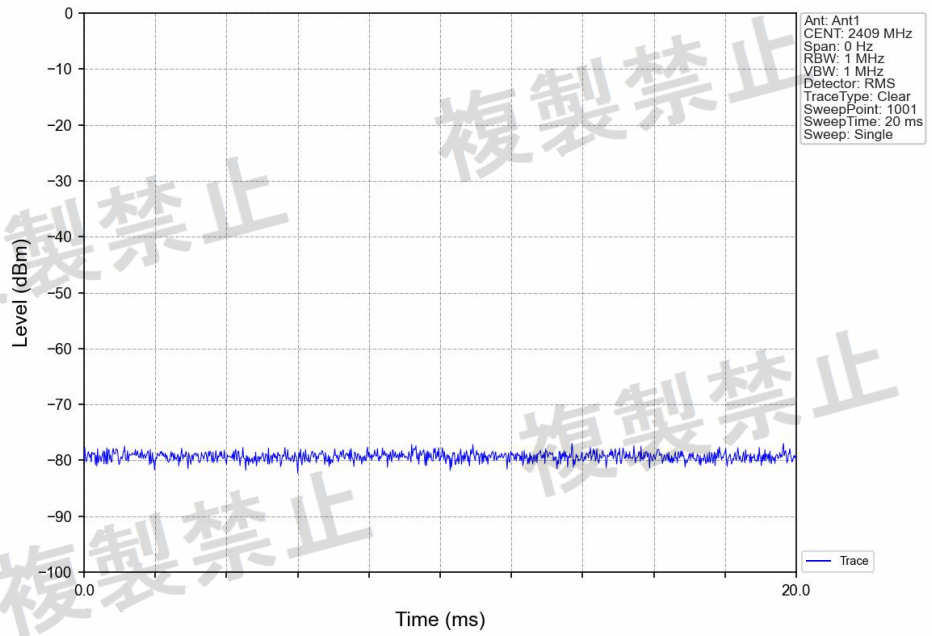


GFSK_DH5_2402MHz_Ant1_NTNV

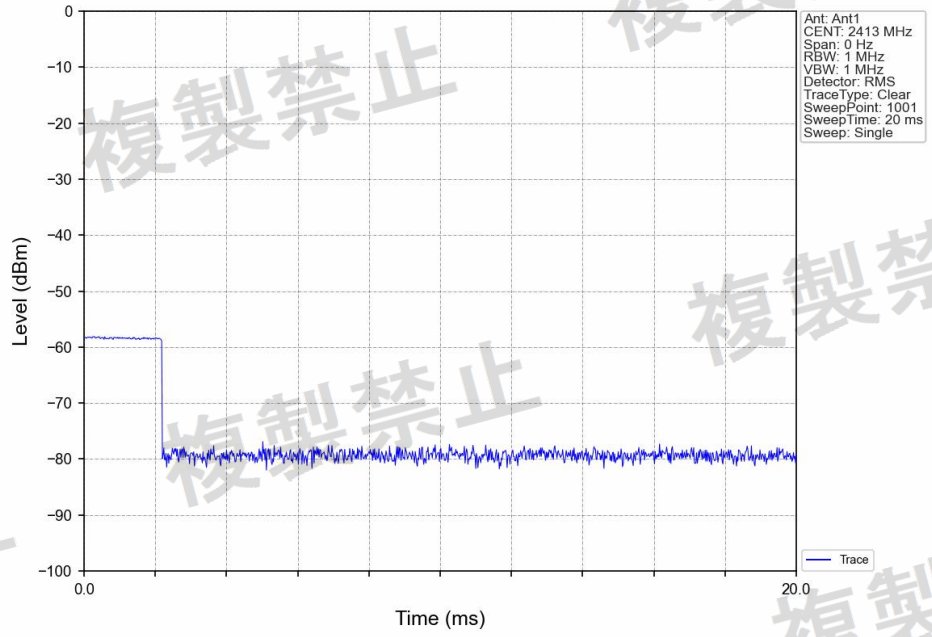


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	932.250	-78.21	/	-54	Pass
1000	12500	1	1	2409.000	-54.79	-79.26	-47	Pass
1000	12500	1	1	2413.000	-52.51	-67.71	-47	Pass

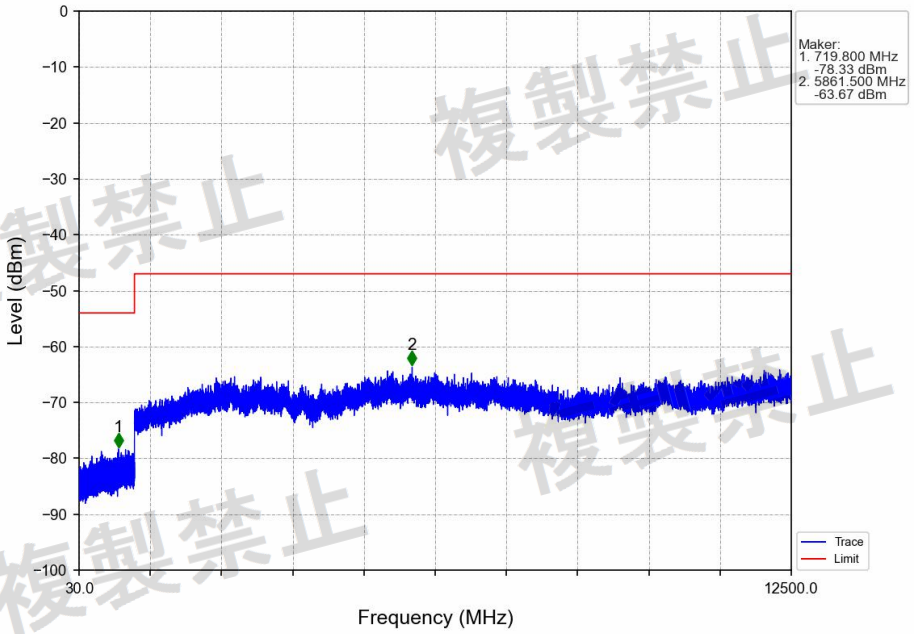
GFSK_DH5_2402MHz_Ant1_NTNV



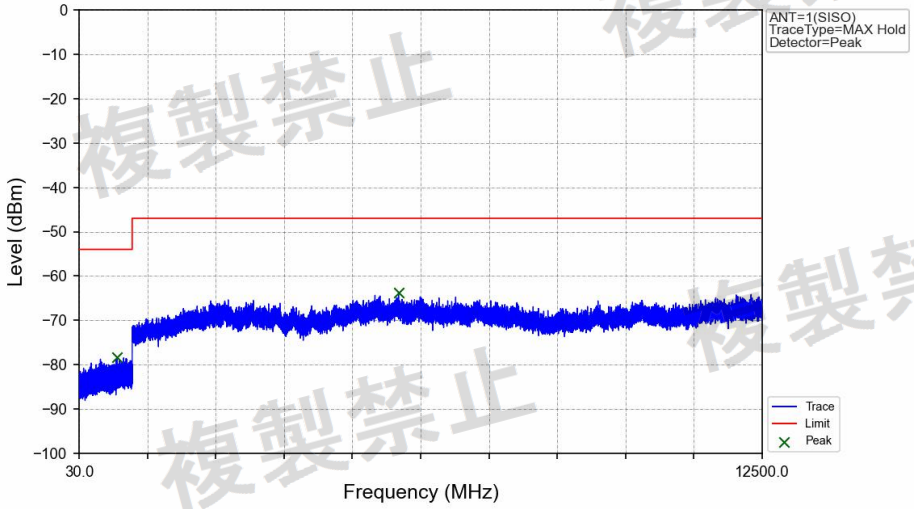
GFSK_DH5_2402MHz_Ant1_NTNV



GFSK_DH5_2480MHz_Ant1_NTNV

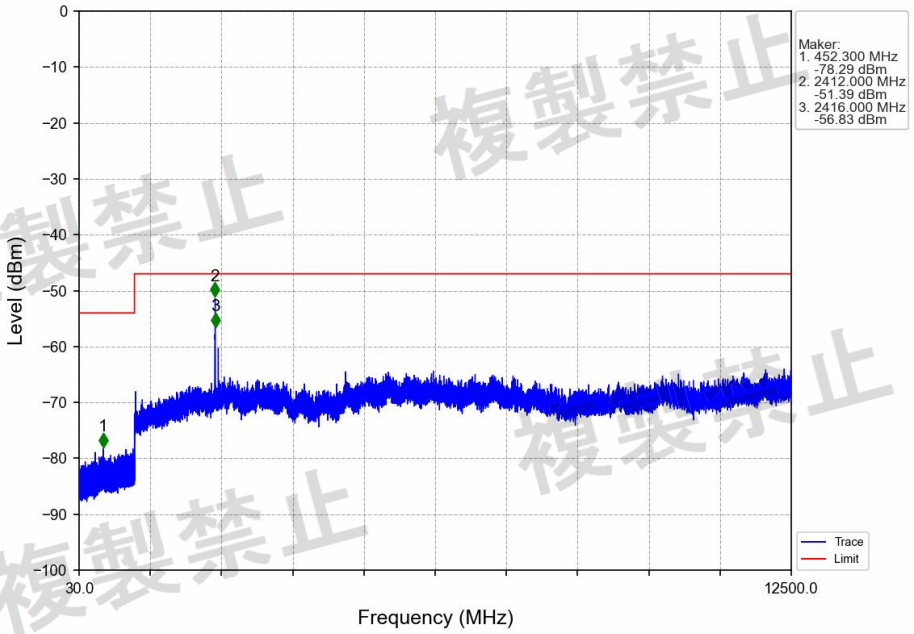


GFSK_DH5_2480MHz_Ant1_NTNV

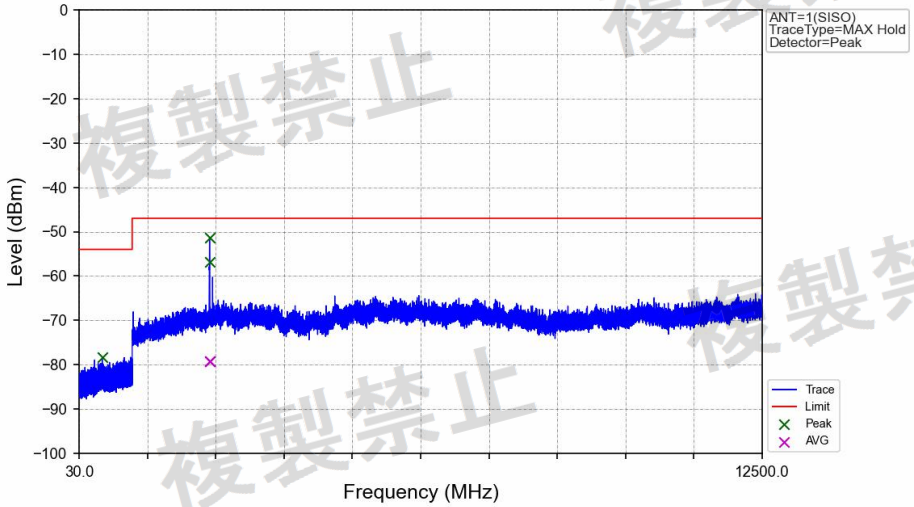


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	719.800	-78.33	/	-54	Pass
1000	12500	1	1	5861.500	-63.67	/	-47	Pass

Pi/4DQPSK_2DH5_2402MHz_Ant1_NTNV

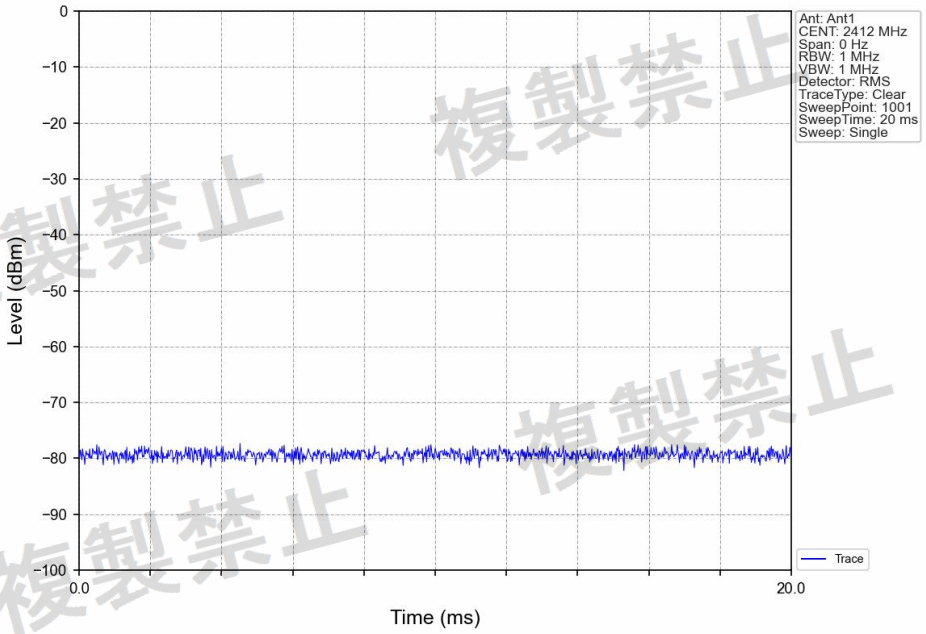


Pi/4DQPSK_2DH5_2402MHz_Ant1_NTNV

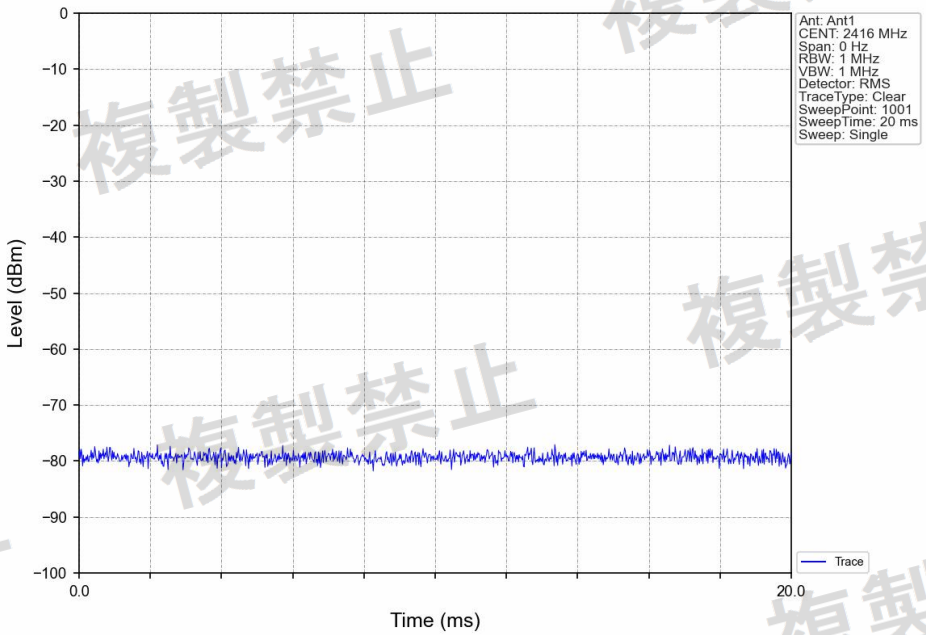


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	452.300	-78.29	/	-54	Pass
1000	12500	1	1	2412.000	-51.39	-79.27	-47	Pass
1000	12500	1	1	2416.000	-56.83	-79.26	-47	Pass

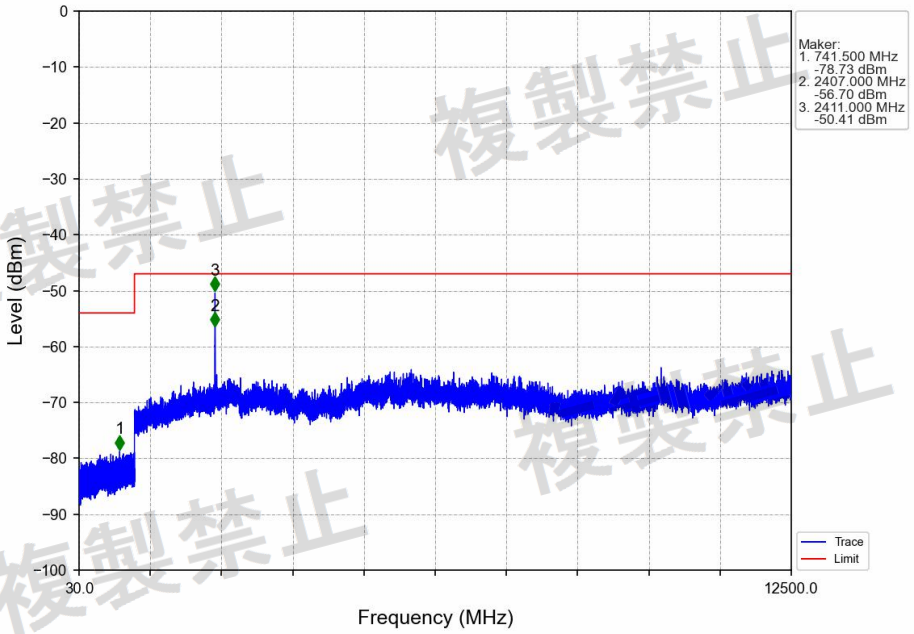
Pi/4DQPSK_2DH5_2402MHz_Ant1_NTNV



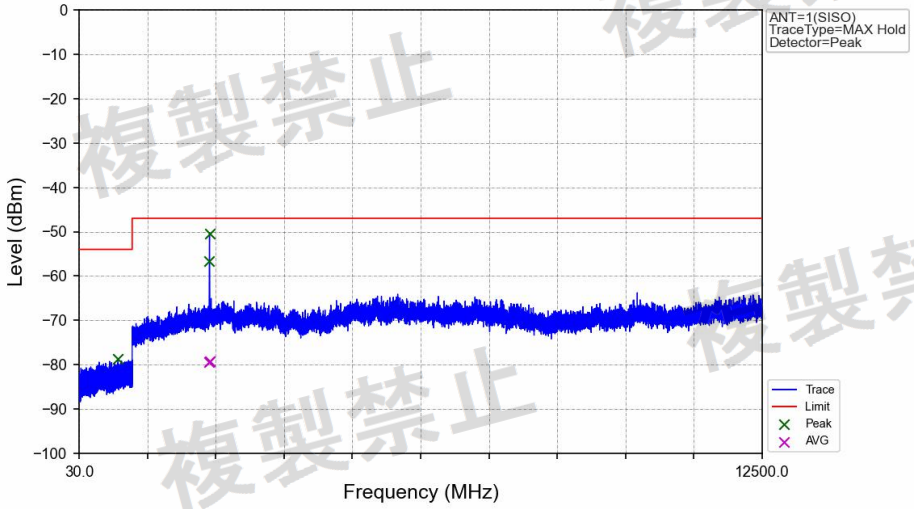
Pi/4DQPSK_2DH5_2402MHz_Ant1_NTNV



Pi/4DQPSK_2DH5_2480MHz_Ant1_NTNV

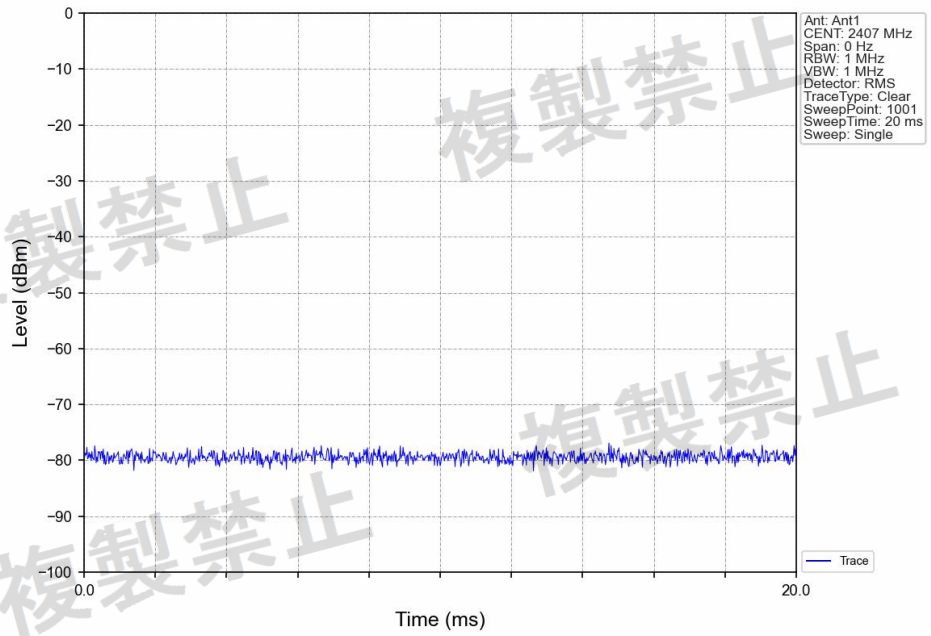


Pi/4DQPSK_2DH5_2480MHz_Ant1_NTNV

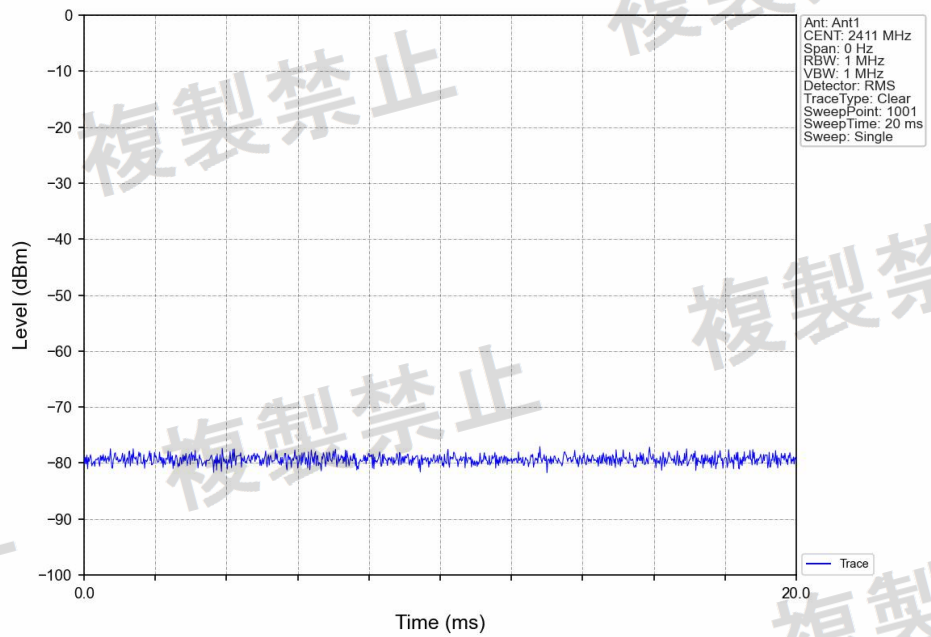


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	741.500	-78.73	/	-54	Pass
1000	12500	1	1	2407.000	-56.70	-79.34	-47	Pass
1000	12500	1	1	2411.000	-50.41	-79.30	-47	Pass

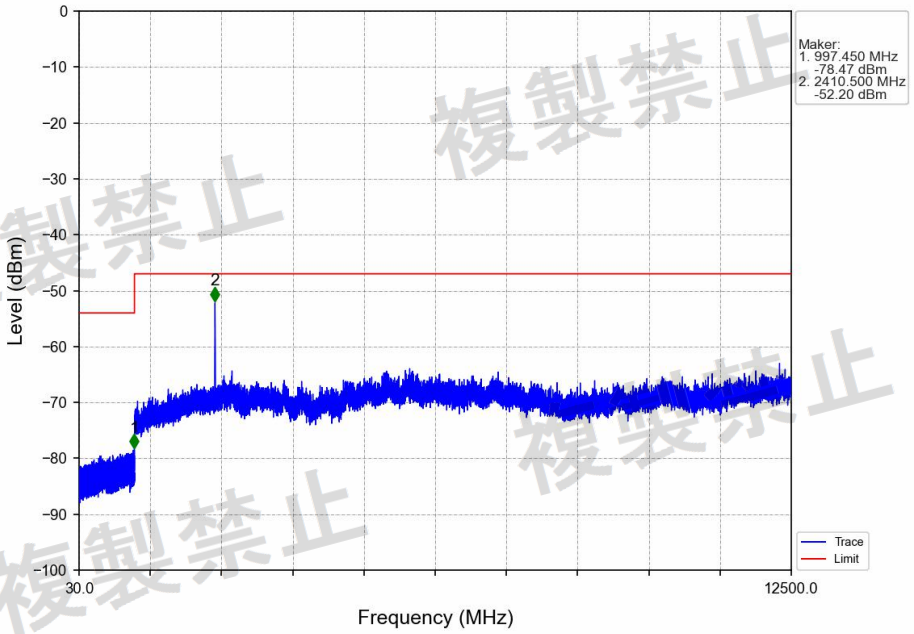
Pi/4DQPSK_2DH5_2480MHz_Ant1_NTNV



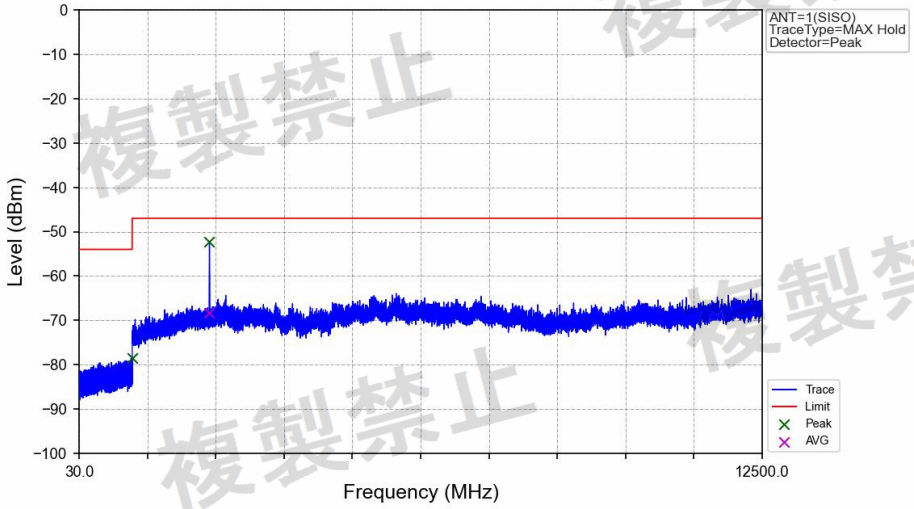
Pi/4DQPSK_2DH5_2480MHz_Ant1_NTNV



8DPSK_3DH5_2402MHz_Ant1_NTNV

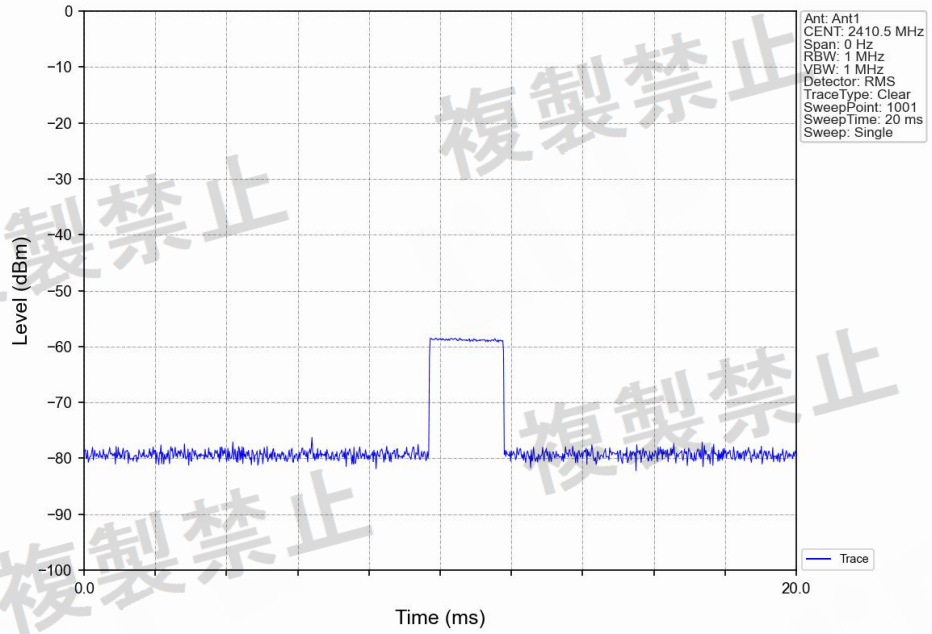


8DPSK_3DH5_2402MHz_Ant1_NTNV

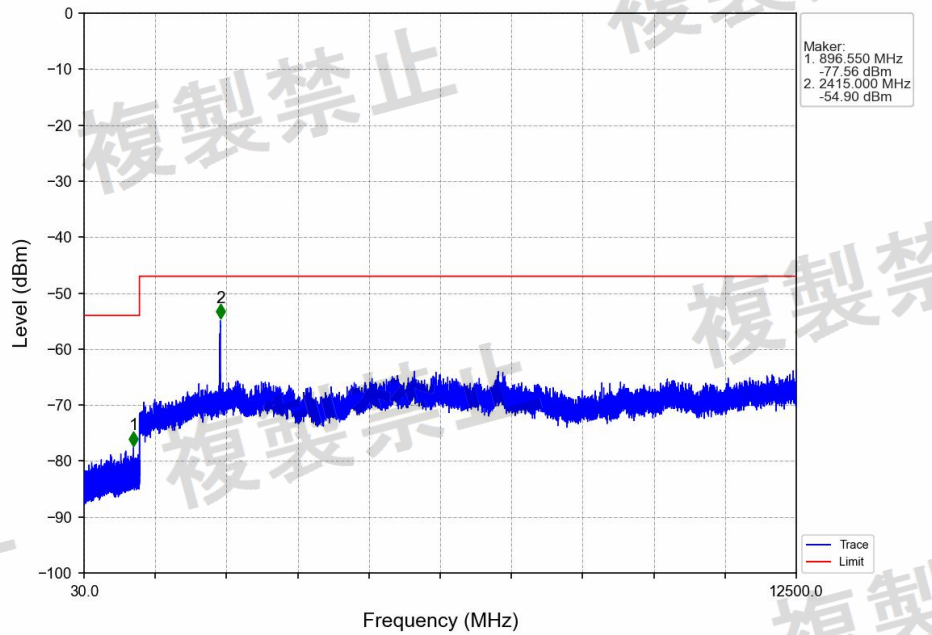


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	997.450	-78.47	/	-54	Pass
1000	12500	1	1	2410.500	-52.20	-68.32	-47	Pass

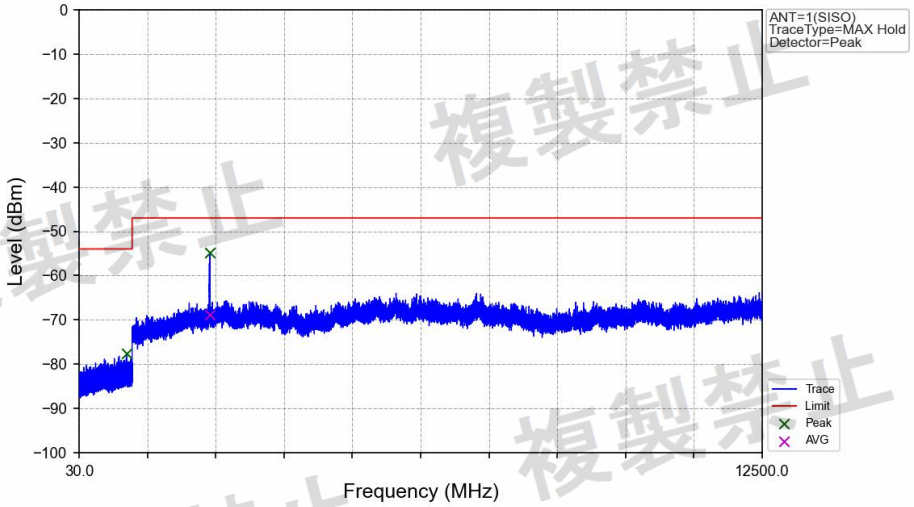
8DPSK_3DH5_2402MHz_Ant1_NTNV



8DPSK_3DH5_2480MHz_Ant1_NTNV

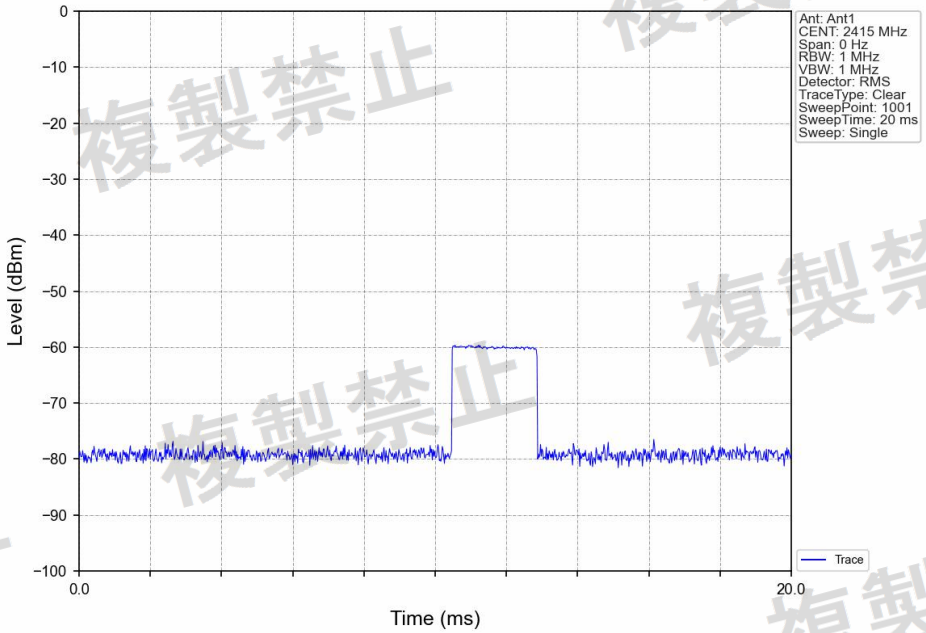


8DPSK_3DH5_2480MHz_Ant1_NTNV



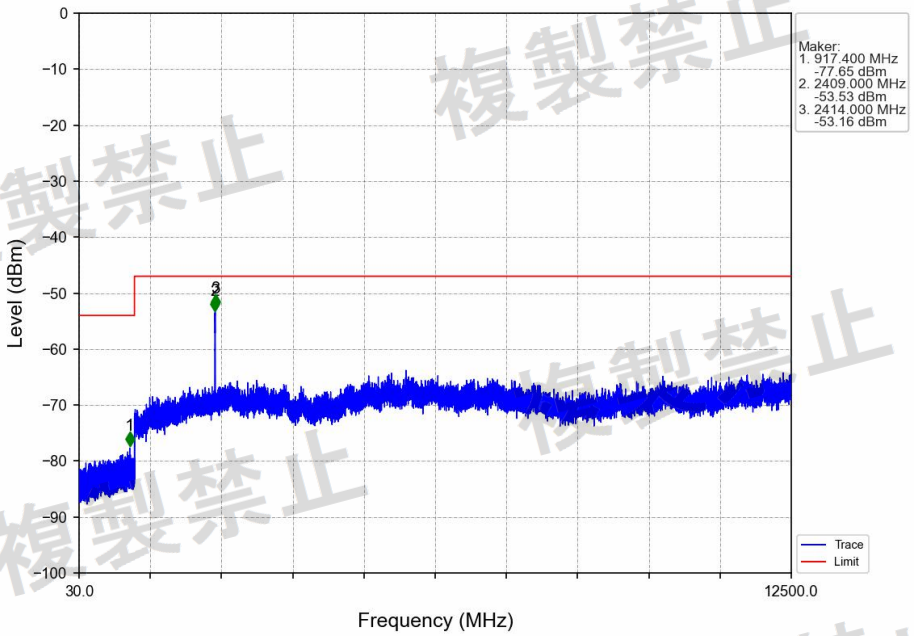
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	896.550	-77.56	/	-54	Pass
1000	12500	1	1	2415.000	-54.90	-68.91	-47	Pass

8DPSK_3DH5_2480MHz_Ant1_NTNV

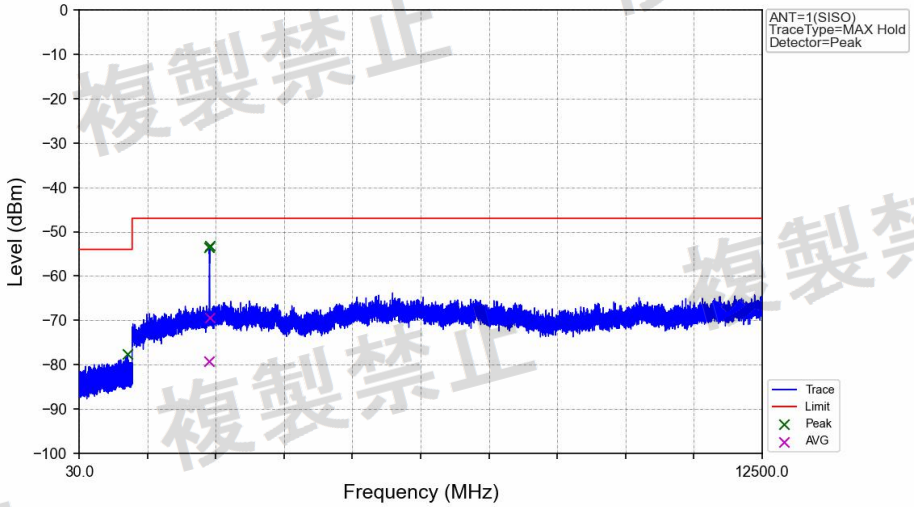


7.2.2 RxSe_NTLV

GFSK_DH5_2402MHz_Ant1_NTLV

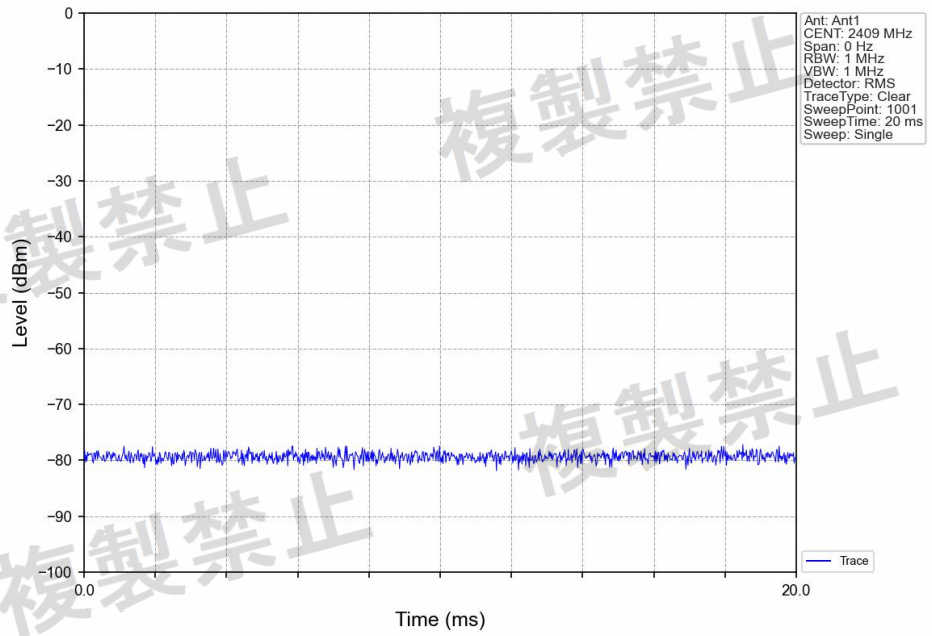


GFSK_DH5_2402MHz_Ant1_NTLV

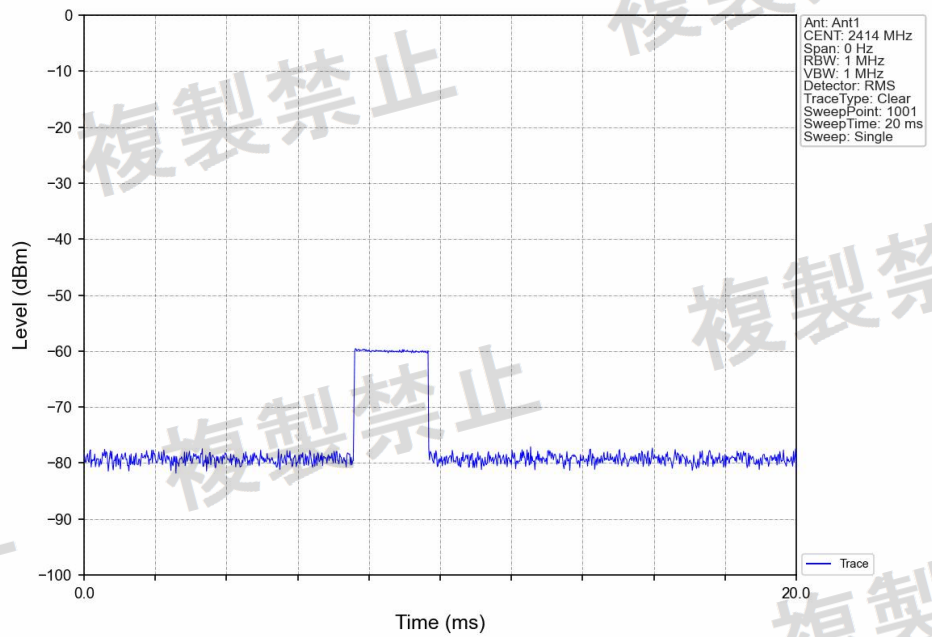


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	917.400	-77.65	/	-54	Pass
1000	12500	1	1	2409.000	-53.53	-79.28	-47	Pass
1000	12500	1	1	2414.000	-53.16	-69.41	-47	Pass

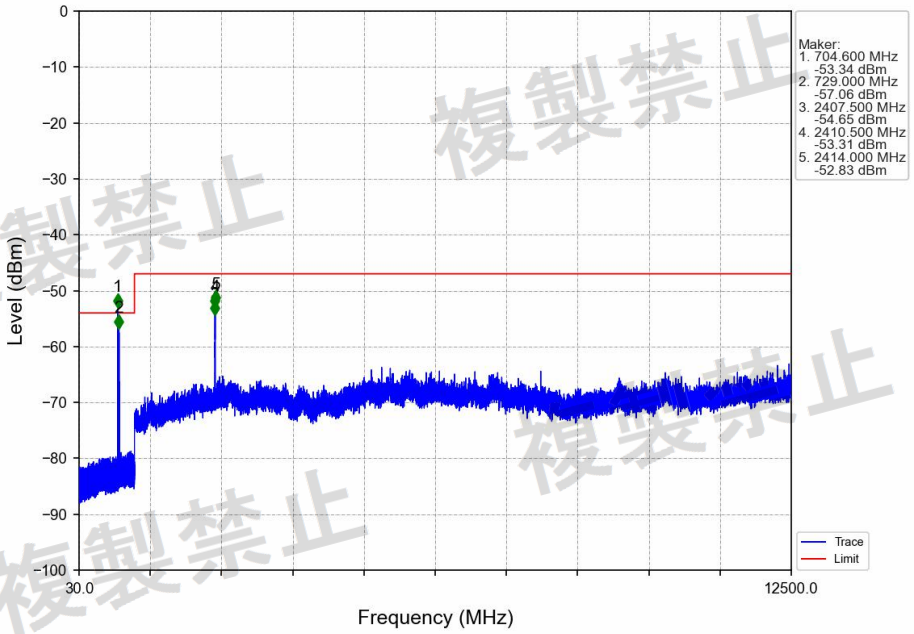
GFSK_DH5_2402MHz_Ant1_NTLV



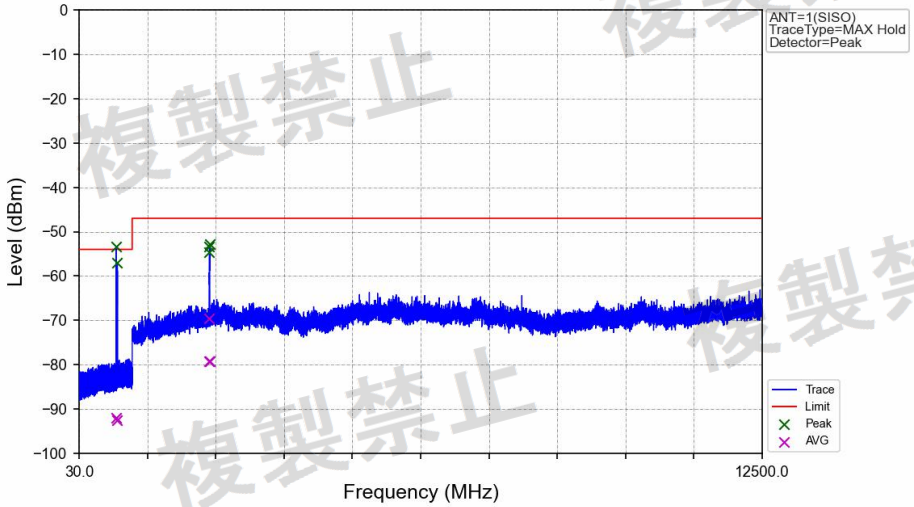
GFSK_DH5_2402MHz_Ant1_NTLV



GFSK_DH5_2480MHz_Ant1_NTLV

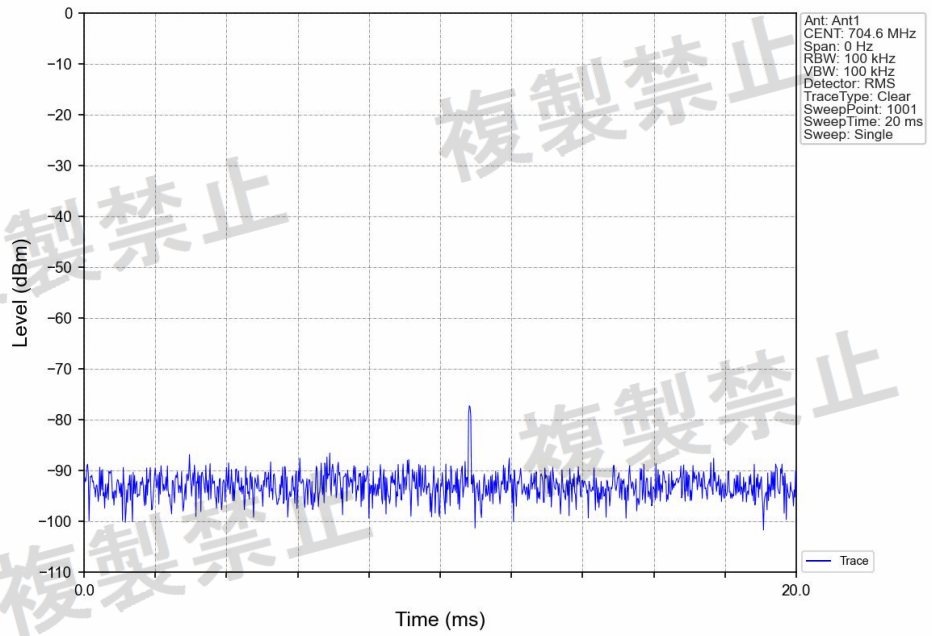


GFSK_DH5_2480MHz_Ant1_NTLV

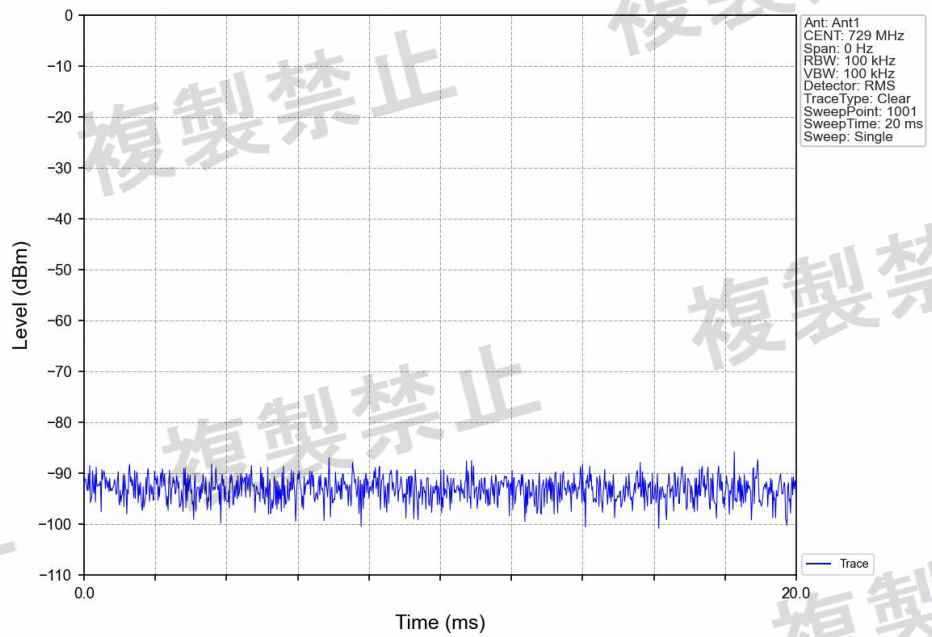


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	704.600	-53.34	-92.06	-54	Pass
30	1000	0.1	0.1	729.000	-57.06	-92.54	-54	Pass
1000	12500	1	1	2407.500	-54.65	-69.61	-47	Pass
1000	12500	1	1	2410.500	-53.31	-79.28	-47	Pass
1000	12500	1	1	2414.000	-52.83	-79.29	-47	Pass

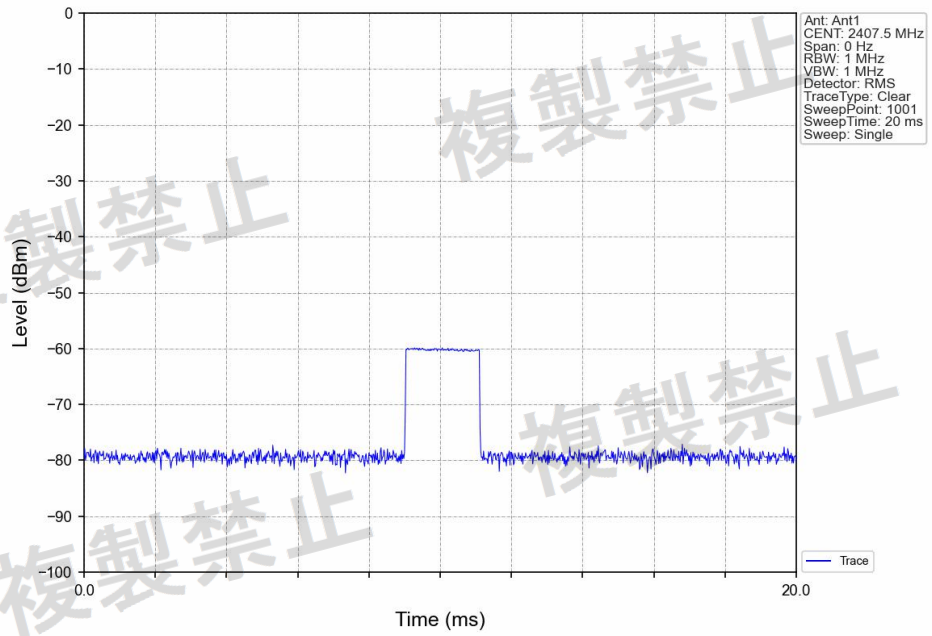
GFSK_DH5_2480MHz_Ant1_NTLV



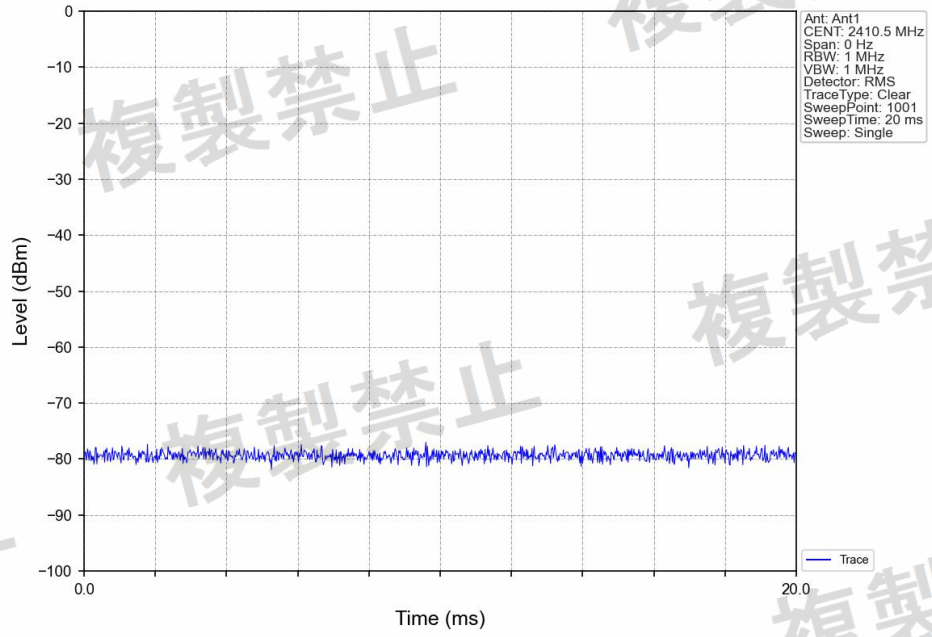
GFSK_DH5_2480MHz_Ant1_NTLV



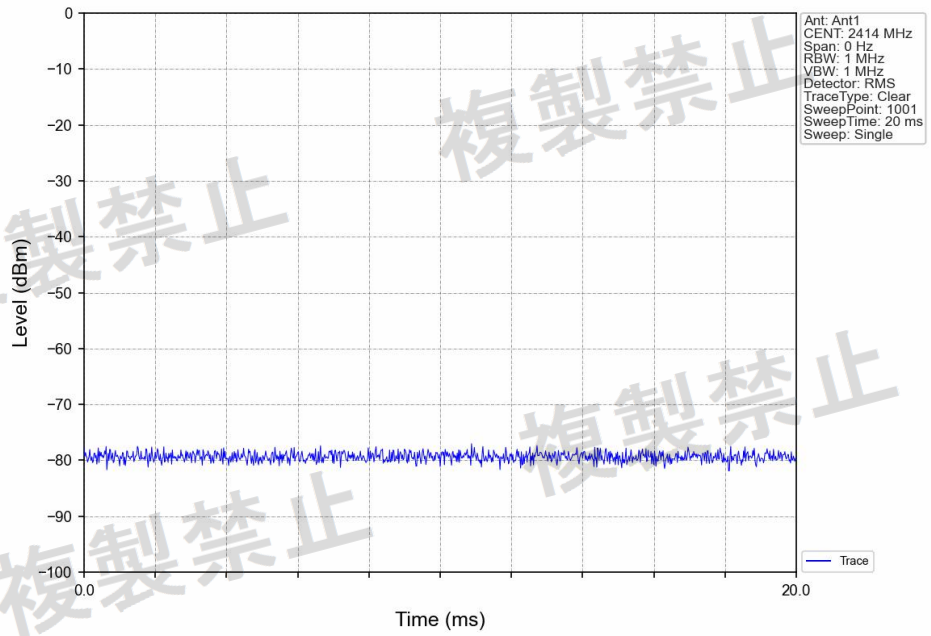
GFSK_DH5_2480MHz_Ant1_NTLV



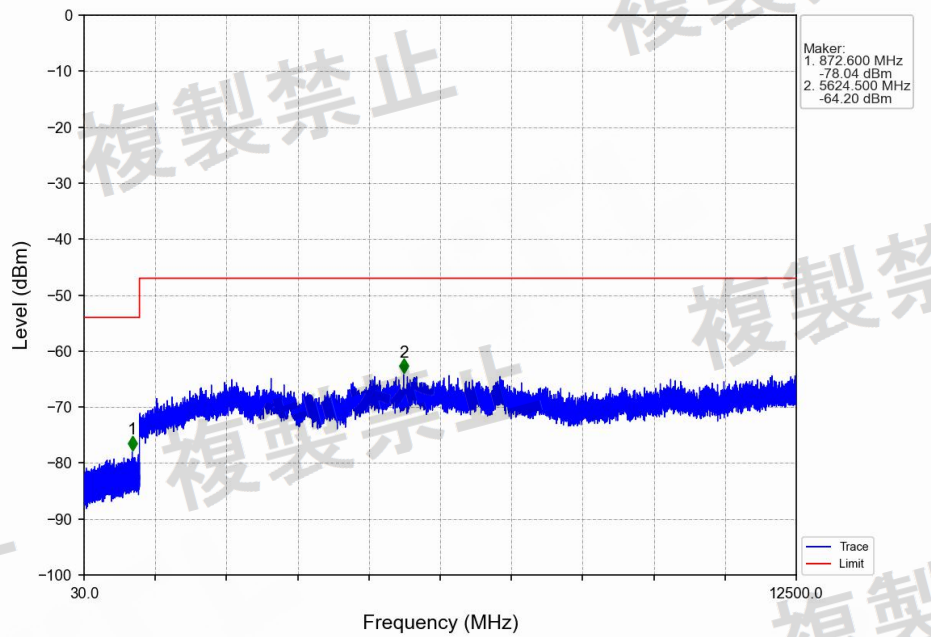
GFSK_DH5_2480MHz_Ant1_NTLV



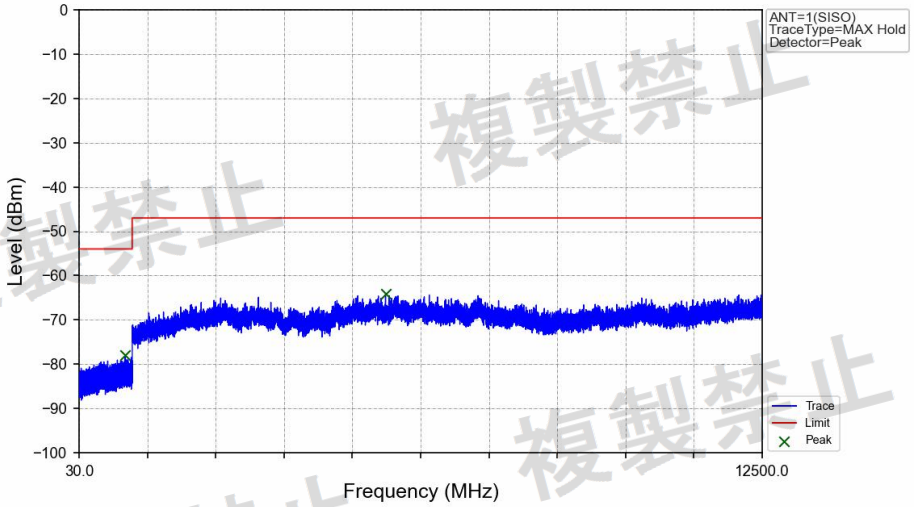
GFSK_DH5_2480MHz_Ant1_NTLV



Pi/4DQPSK_2DH5_2402MHz_Ant1_NTLV

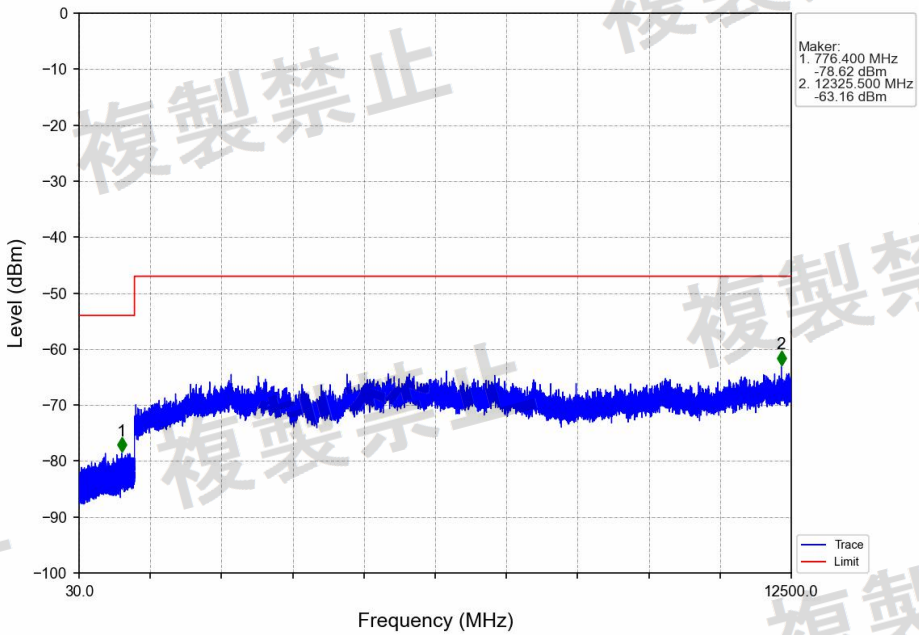


Pi/4DQPSK_2DH5_2402MHz_Ant1_NTLV

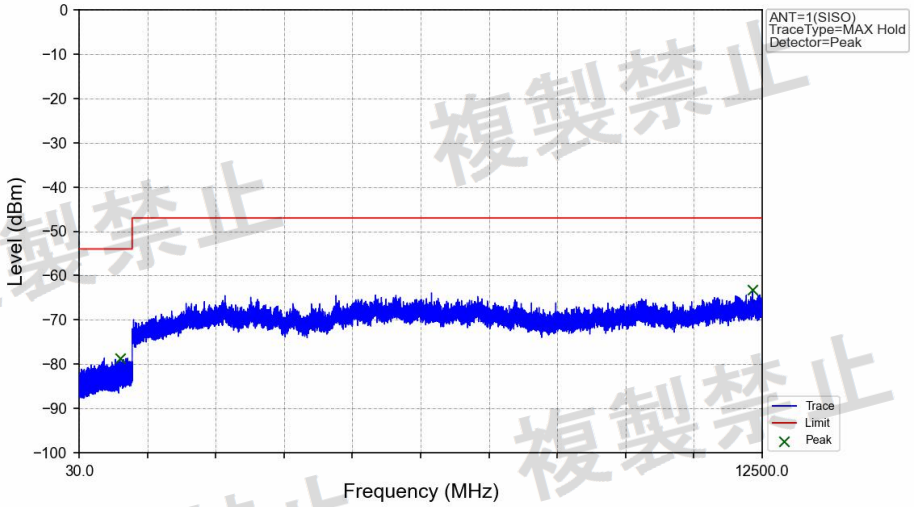


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	872.600	-78.04	/	-54	Pass
1000	12500	1	1	5624.500	-64.20	/	-47	Pass

Pi/4DQPSK_2DH5_2480MHz_Ant1_NTLV

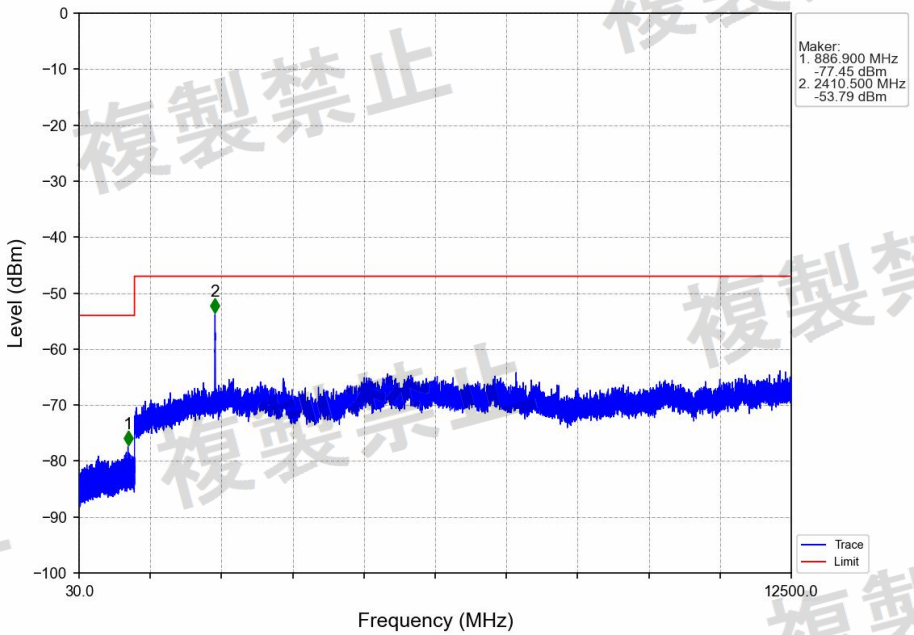


Pi/4DQPSK_2DH5_2480MHz_Ant1_NTLV

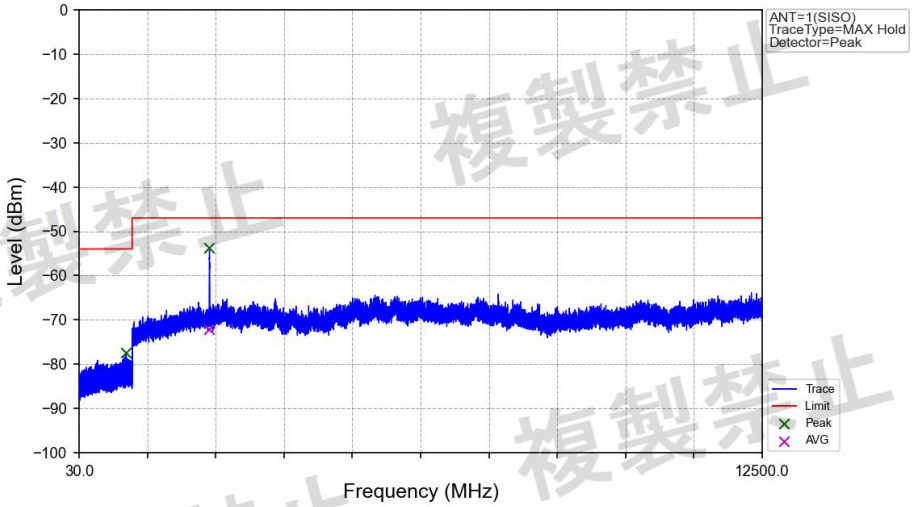


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	776.400	-78.62	/	-54	Pass
1000	12500	1	1	12325.500	-63.16	/	-47	Pass

8DPSK_3DH5_2402MHz_Ant1_NTLV

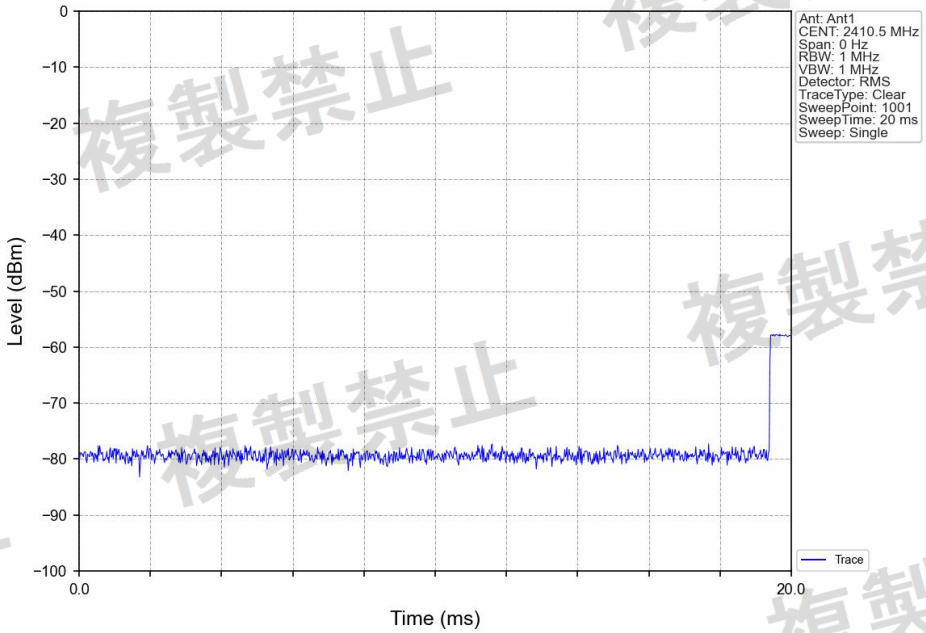


8DPSK_3DH5_2402MHz_Ant1_NTLV

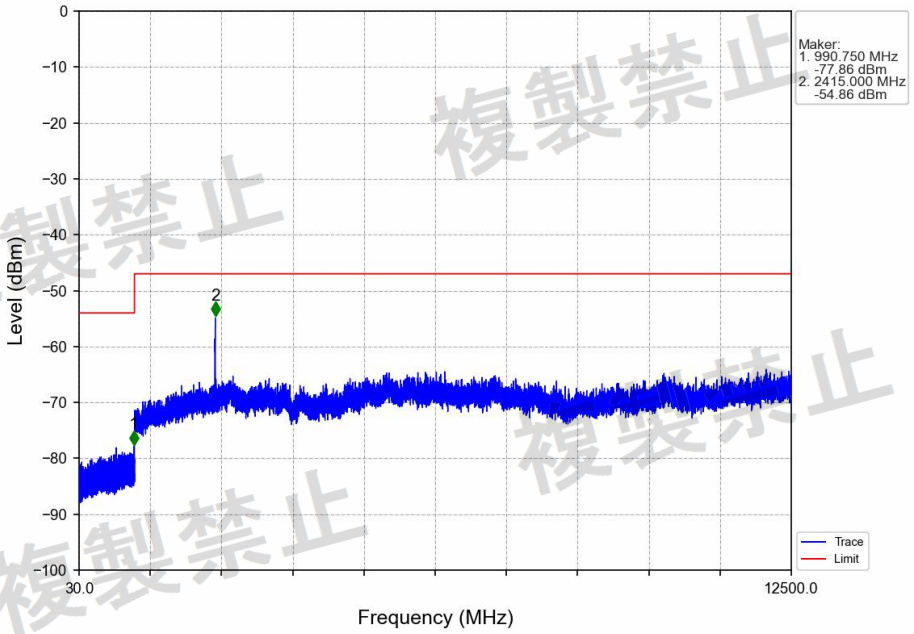


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	886.900	-77.45	/	-54	Pass
1000	12500	1	1	2410.500	-53.79	-72.20	-47	Pass

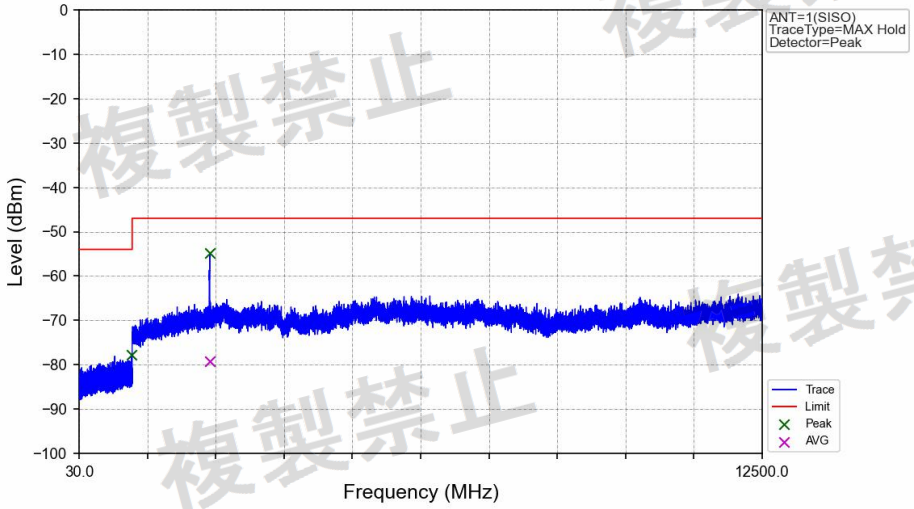
8DPSK_3DH5_2402MHz_Ant1_NTLV



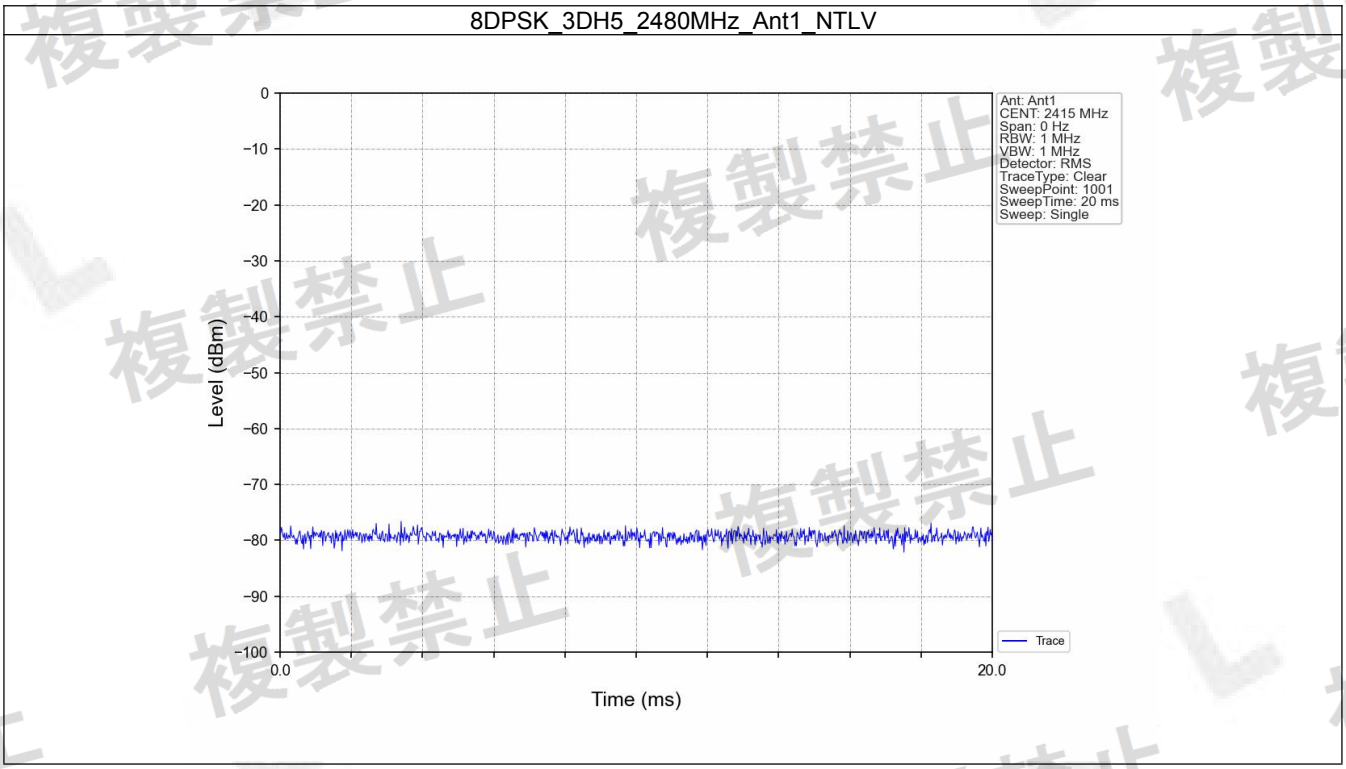
8DPSK_3DH5_2480MHz_Ant1_NTLV



8DPSK_3DH5_2480MHz_Ant1_NTLV

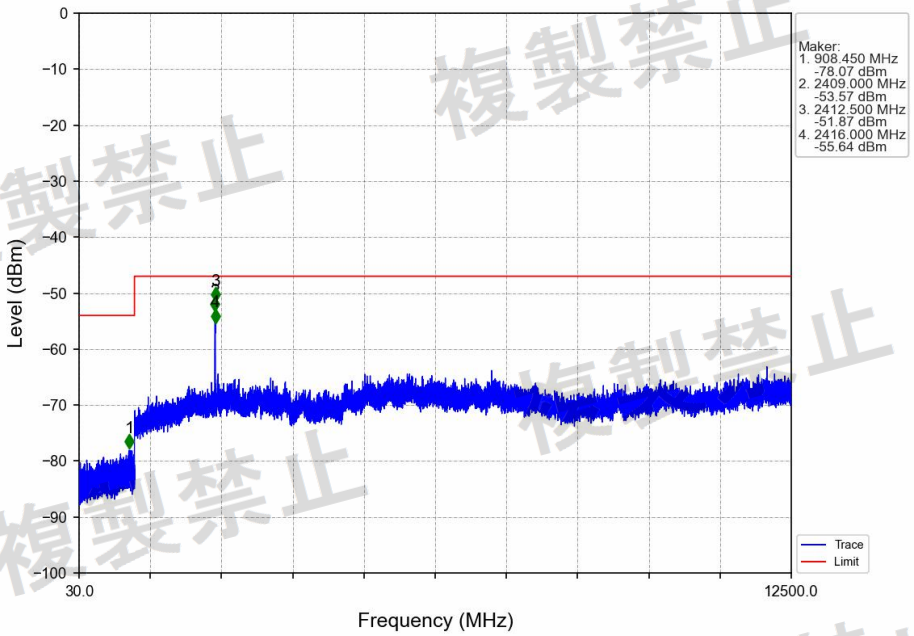


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	990.750	-77.86	/	-54	Pass
1000	12500	1	1	2415.000	-54.86	-79.24	-47	Pass

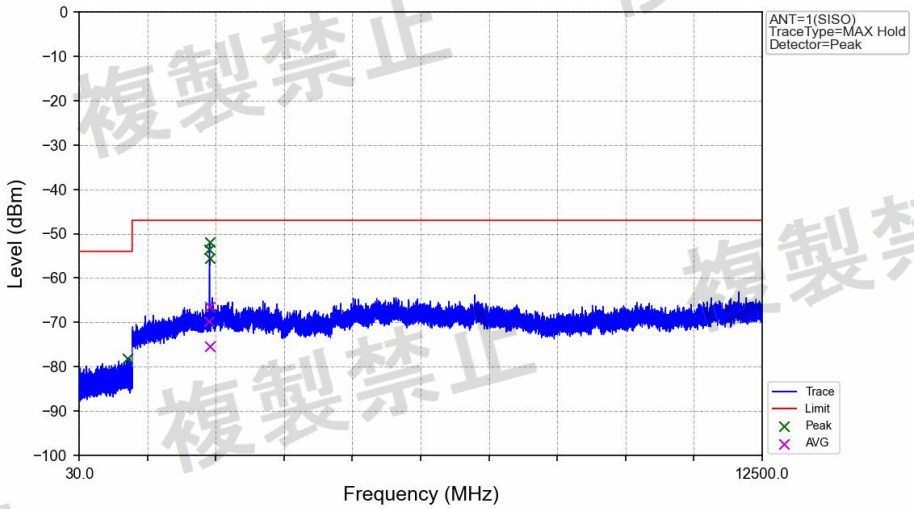

8DPSK_3DH5_2480MHz_Ant1_NTLV
Ant: Ant1
CENT: 2415 MHz
Span: 0 Hz
RBW: 1 MHz
VBW: 1 MHz
Detector: RMS
TraceType: Clear
SweepPoint: 1001
SweepTime: 20 ms
Sweep: Single
Level (dBm)
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
0.0
20.0
Time (ms)
Trace

7.2.3 RxSe_NTHV

GFSK_DH5_2402MHz_Ant1_NTHV

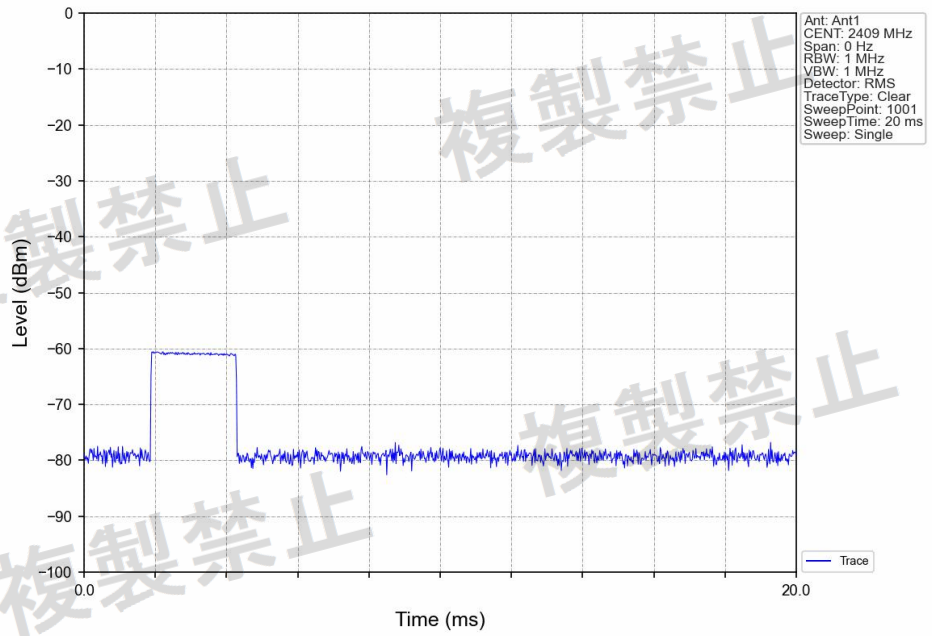


GFSK_DH5_2402MHz_Ant1_NTHV

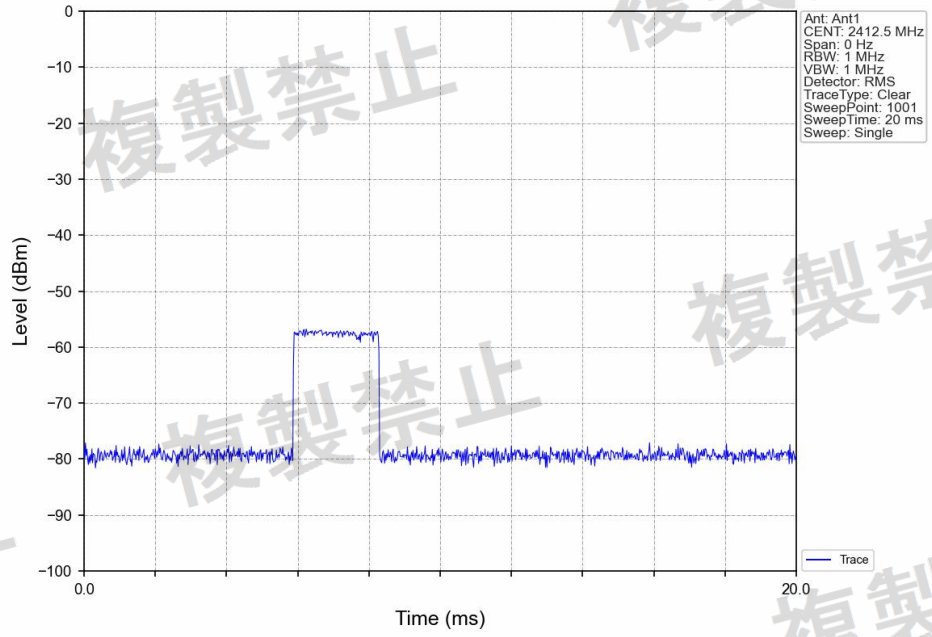


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	908.450	-78.07	/	-54	Pass
1000	12500	1	1	2409.000	-53.57	-69.71	-47	Pass
1000	12500	1	1	2412.500	-51.87	-66.57	-47	Pass
1000	12500	1	1	2416.000	-55.64	-75.39	-47	Pass

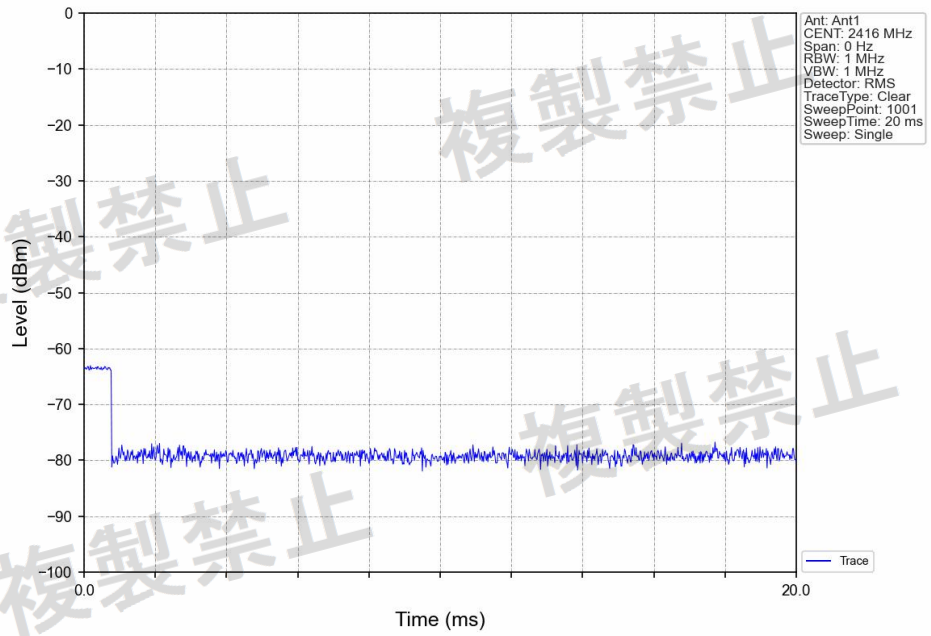
GFSK_DH5_2402MHz_Ant1_NTHV



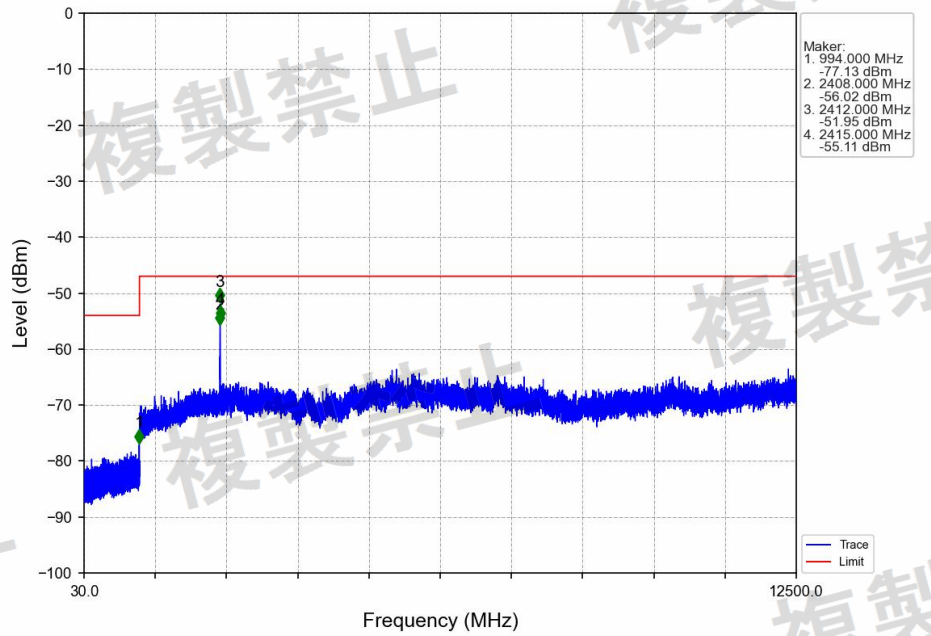
GFSK_DH5_2402MHz_Ant1_NTHV



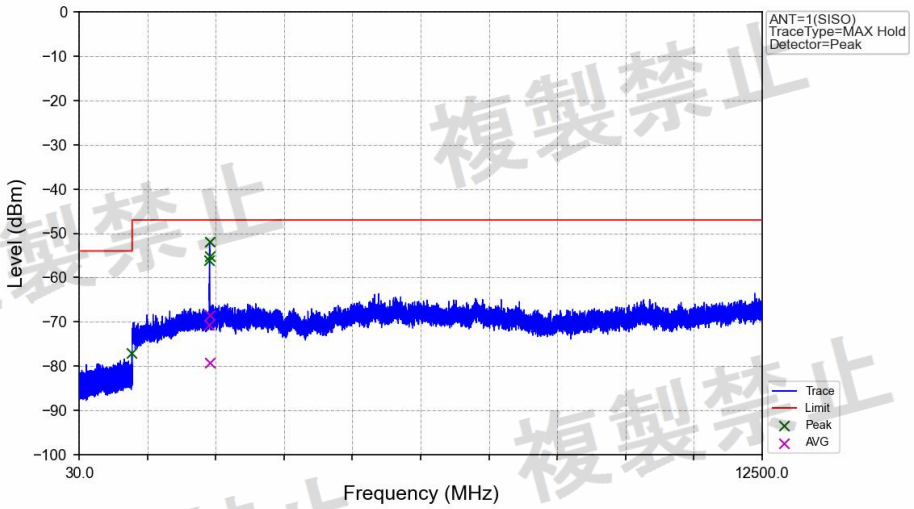
GFSK_DH5_2402MHz_Ant1_NTHV



GFSK_DH5_2480MHz_Ant1_NTHV

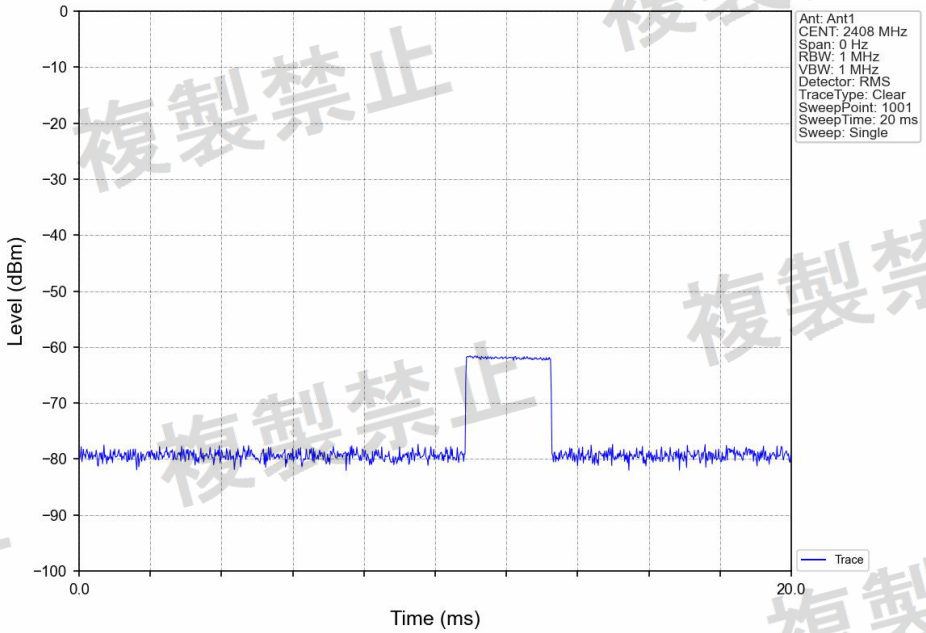


GFSK_DH5_2480MHz_Ant1_NTHV

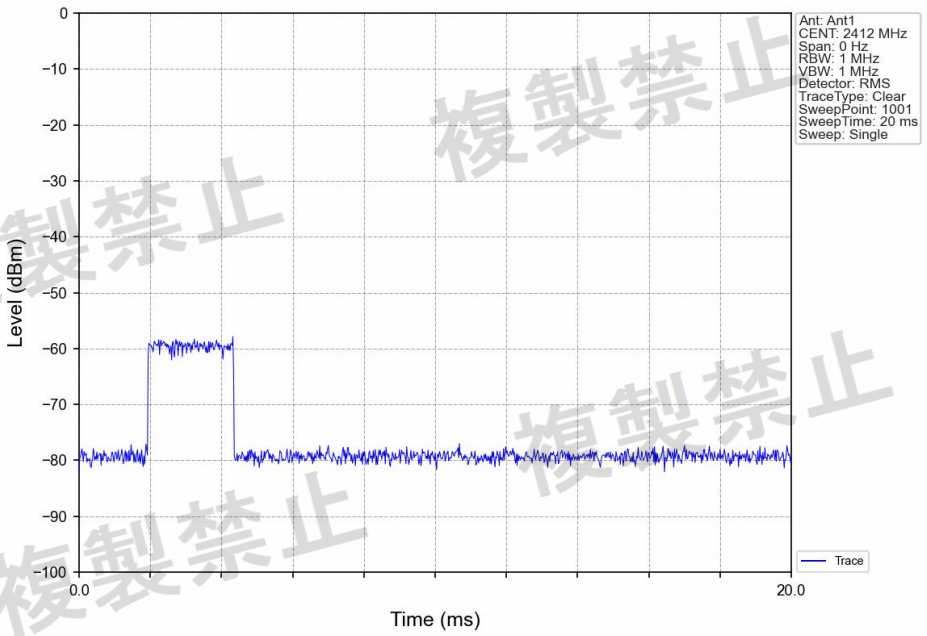


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	994.000	-77.13	/	-54	Pass
1000	12500	1	1	2408.000	-56.02	-70.62	-47	Pass
1000	12500	1	1	2412.000	-51.95	-68.40	-47	Pass
1000	12500	1	1	2415.000	-55.11	-79.28	-47	Pass

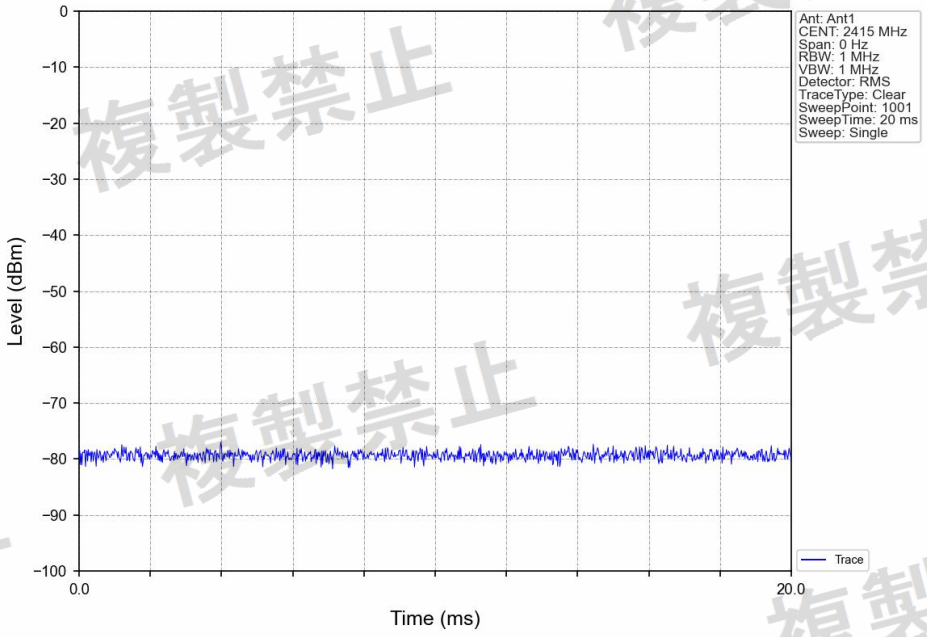
GFSK_DH5_2480MHz_Ant1_NTHV



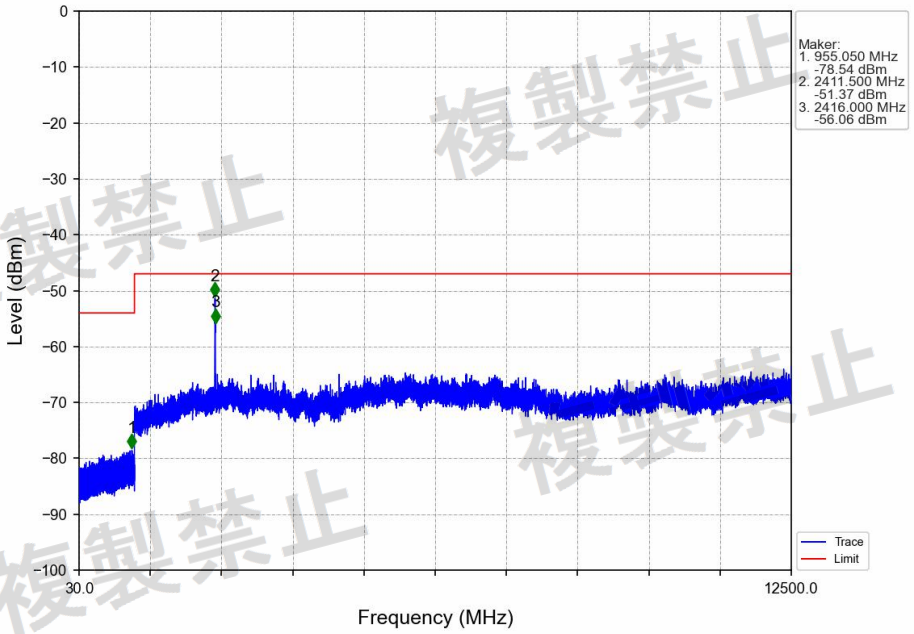
GFSK_DH5_2480MHz_Ant1_NTHV



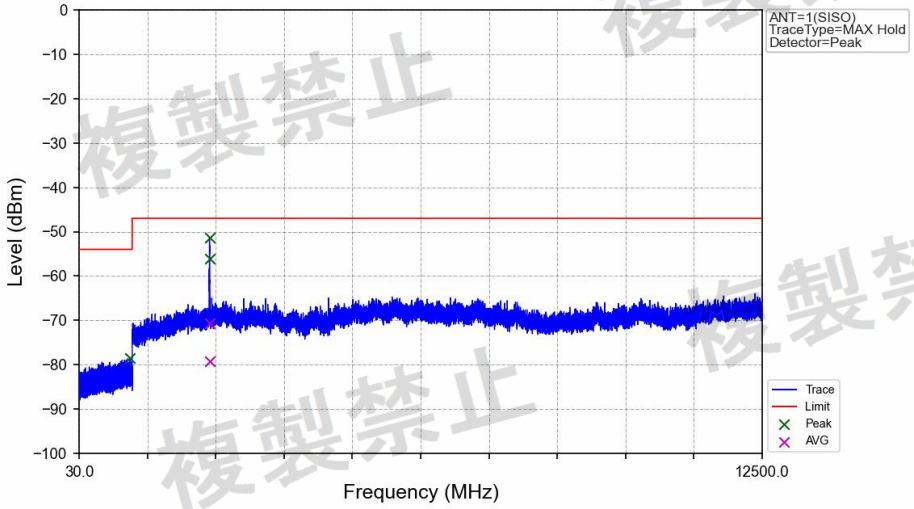
GFSK_DH5_2480MHz_Ant1_NTHV



Pi/4DQPSK_2DH5_2402MHz_Ant1_NTHV

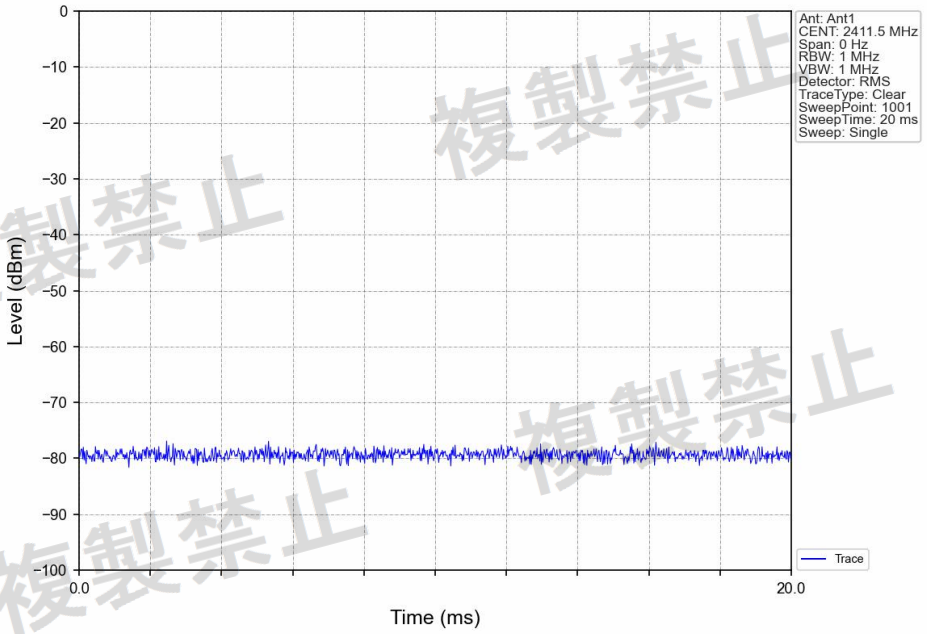


Pi/4DQPSK_2DH5_2402MHz_Ant1_NTHV

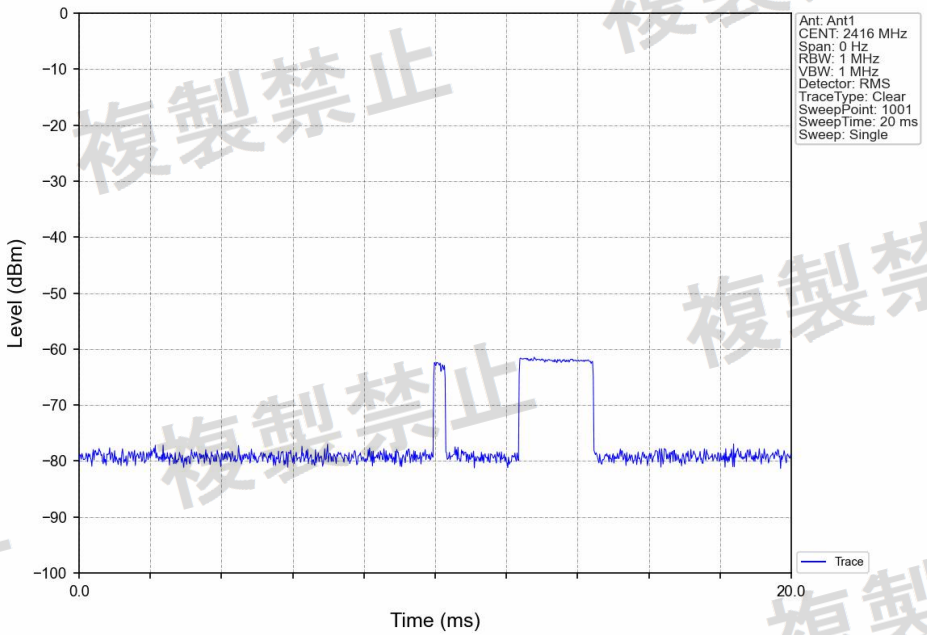


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	955.050	-78.54	/	-54	Pass
1000	12500	1	1	2411.500	-51.37	-79.30	-47	Pass
1000	12500	1	1	2416.000	-56.06	-70.72	-47	Pass

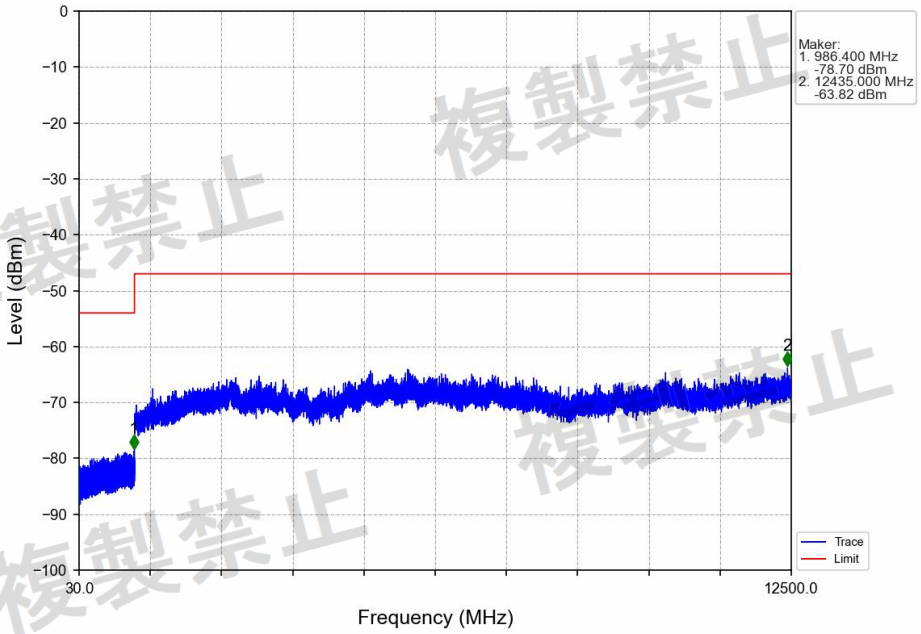
Pi/4DQPSK_2DH5_2402MHz_Ant1_NTHV



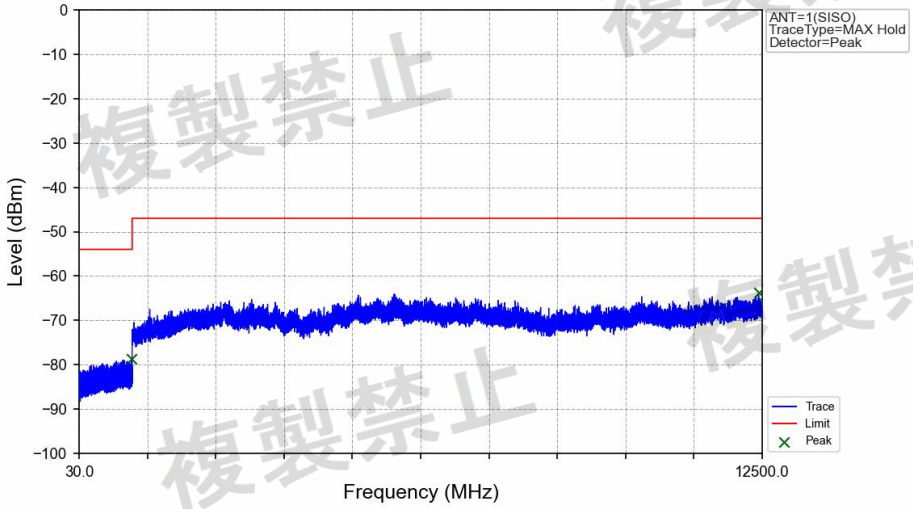
Pi/4DQPSK_2DH5_2402MHz_Ant1_NTHV



Pi/4DQPSK_2DH5_2480MHz_Ant1_NTHV

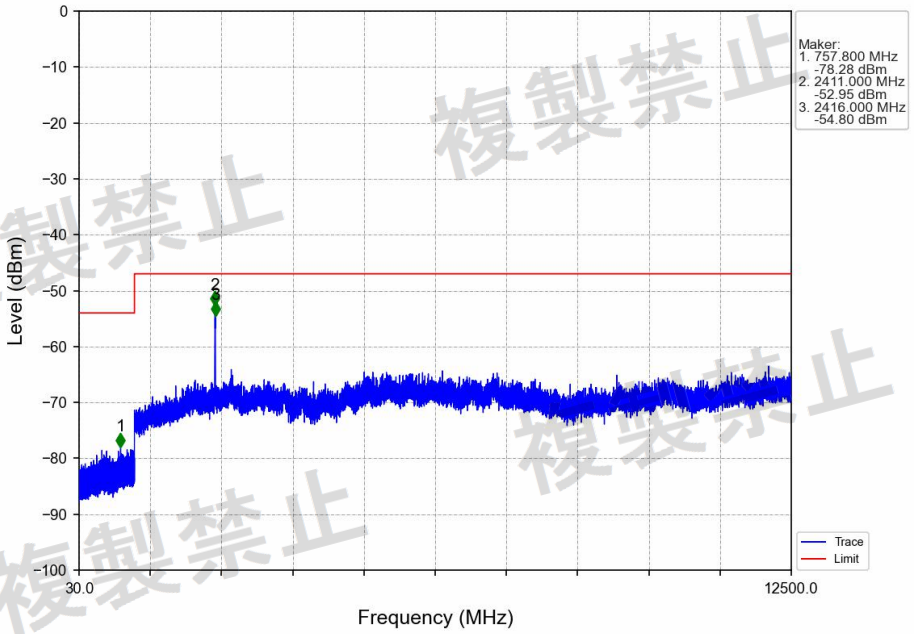


Pi/4DQPSK_2DH5_2480MHz_Ant1_NTHV

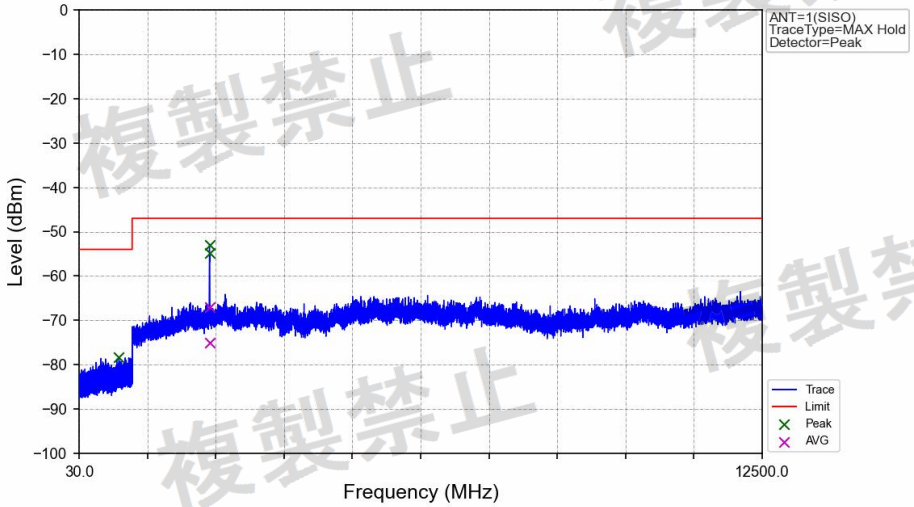


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	986.400	-78.70	/	-54	Pass
1000	12500	1	1	12435.000	-63.82	/	-47	Pass

8DPSK_3DH5_2402MHz_Ant1_NTHV

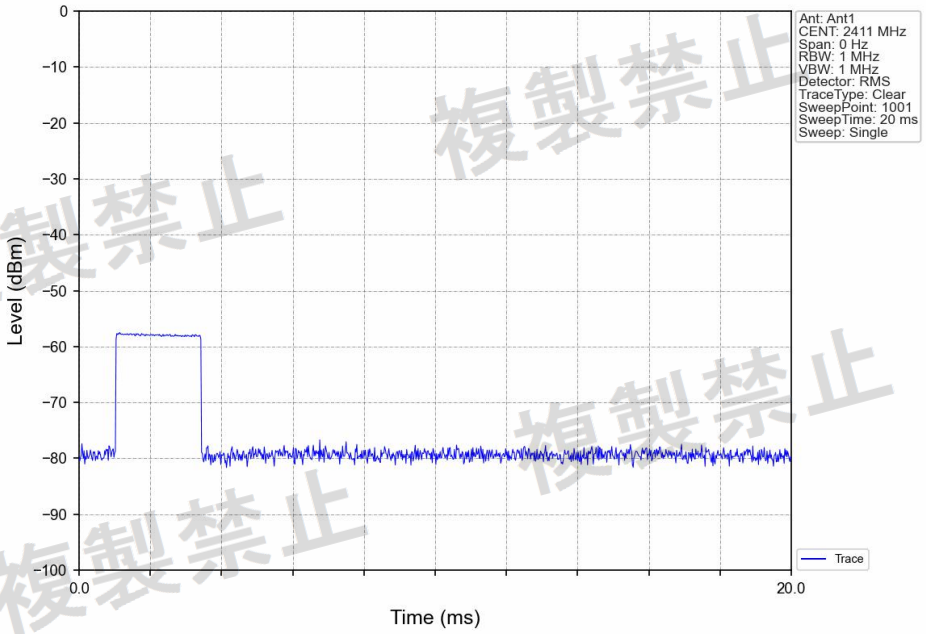


8DPSK_3DH5_2402MHz_Ant1_NTHV

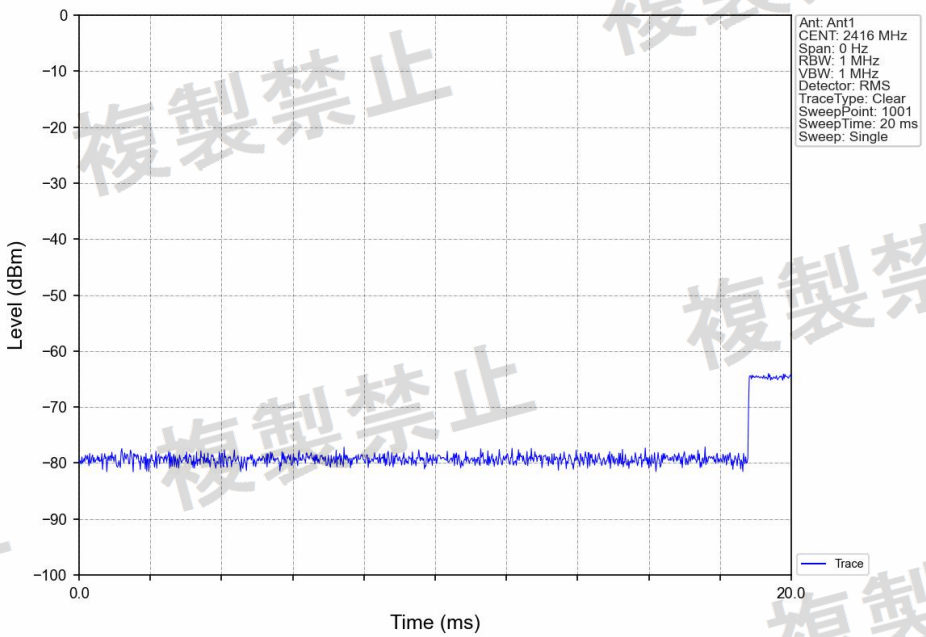


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	757.800	-78.28	/	-54	Pass
1000	12500	1	1	2411.000	-52.95	-66.95	-47	Pass
1000	12500	1	1	2416.000	-54.80	-74.99	-47	Pass

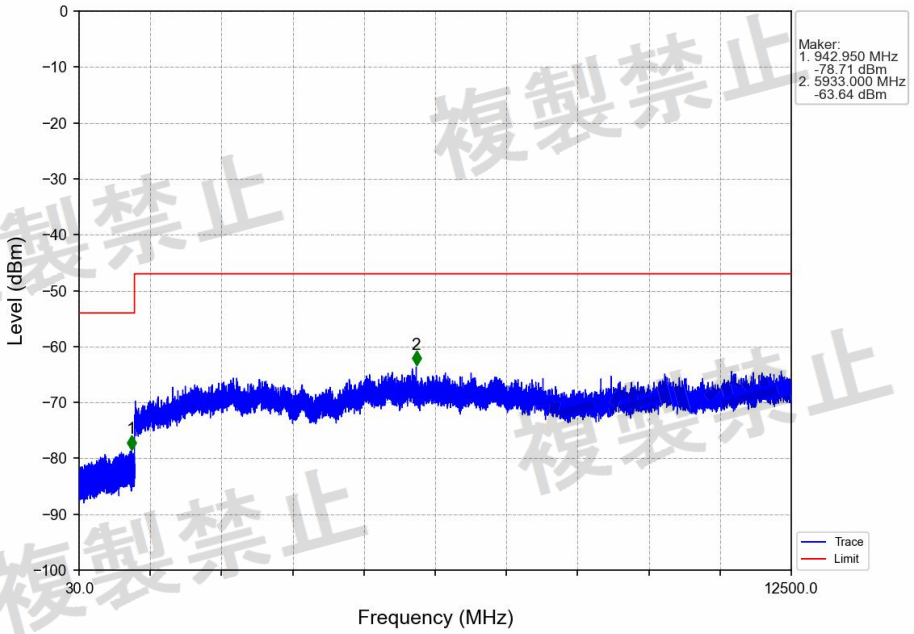
8DPSK_3DH5_2402MHz_Ant1_NTHV



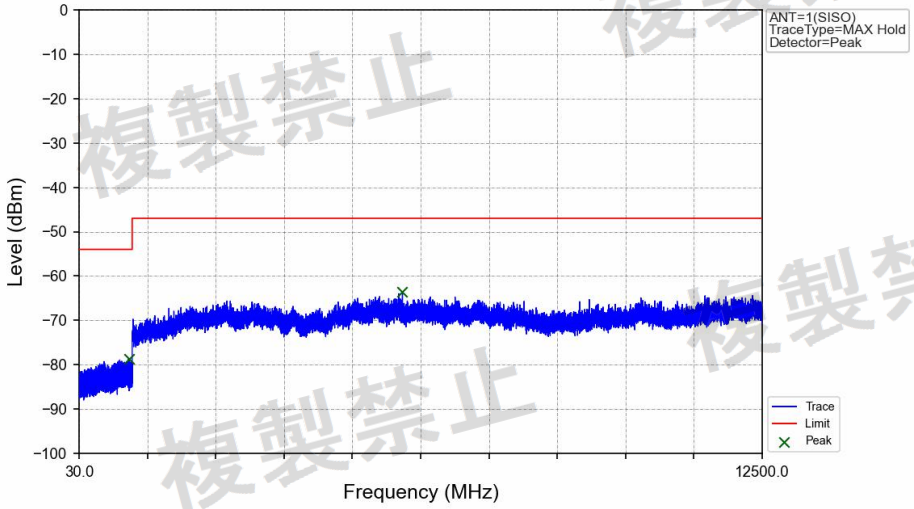
8DPSK_3DH5_2402MHz_Ant1_NTHV



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	942.950	-78.71	/	-54	Pass
1000	12500	1	1	5933.000	-63.64	/	-47	Pass