

TEST REPORT

Report No.	CISRR25063032001
Project No.	CISR250630320
Applicant	Guangzhou Pinzhong Electronic Technology Co.,Ltd.
Address	Room611-612,Greenland Center of Financial City,No.662, Huangpu Avenue Middle Road,Tianhe District,Guangzhou City,China
Manufacturer	Guangzhou Pinzhong Electronic Technology Co.,Ltd.
Address	Room611-612,Greenland Center of Financial City,No.662, Huangpu Avenue Middle Road,Tianhe District,Guangzhou City,China
Product Name	BEITONG KP70 Haptic Feedback Elite Wireless Controller
Trade Mark	
Model/Type reference	BTP-KP70B
Listed Model(s)	-
Standard	MIC Notice No.88 Appendix No.43 Article 2 Paragraph 1 Item 19
Test date	September 22, 2025 to September 26, 2025
Issue date	September 30, 2025
Test result	Complied



Reviewed by: Jimmy Huang



Approved by: Hans Hu

The test results relate only to the tested samples.

The test report should not be reproduced except in full without the written approval of Shenzhen Bangce Testing Technology Co., Ltd.

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1. REPORT VERSION

Version No.	Issue date	Description
00	September 30, 2025	Original

2. SUMMARY OF TEST RESULT

Report clause	Test Item	Standard Requirement	Result
5.1	Frequency Tolerance	MIC Notice No.88 Appendix No.43 Article 2 Paragraph 1 Item 19	PASS
5.2	Occupied Bandwidth	MIC Notice No.88 Appendix No.43 Article 2 Paragraph 1 Item 19	PASS
5.3	Spread Bandwidth	MIC Notice No.88 Appendix No.43 Article 2 Paragraph 1 Item 19	PASS
5.4	Antenna Power and EIRP	MIC Notice No.88 Appendix No.43 Article 2 Paragraph 1 Item 19	PASS
5.5	Dwell Time	MIC Notice No.88 Appendix No.43 Article 2 Paragraph 1 Item 19	PASS
5.6	Spurious Emissions of TX	MIC Notice No.88 Appendix No.43 Article 2 Paragraph 1 Item 19	PASS
5.7	Spurious Emissions of RX	MIC Notice No.88 Appendix No.43 Article 2 Paragraph 1 Item 19	PASS
5.8	Interference prevention function	MIC Notice No.88 Appendix No.43 Article 2 Paragraph 1 Item 19	PASS

Note:

- The measurement uncertainty is not included in the test result.



3. SUMMARY

3.1. Product Description

Main unit information:	
Product Name:	BEITONG KP70 Haptic Feedback Elite Wireless Controller
Trade Mark:	
Model No.:	BTP-KP70B
Listed Model(s):	-
Power supply:	Input: DC 5V
Hardware version:	V1
Software version:	V1
Battery:	DC 3.7V

3.2. Radio Specification Description

Technology:	Bluetooth
Transmission technology:	FHSS
Modulation:	BR/1Mbps: GFSK, EDR/2Mbps: $\pi/4$ DQPSK
Operation frequency:	2402MHz~2480MHz
Channel number:	79
Channel separation:	1MHz
Rated Power:	0.1mW/MHz
Antenna type:	PCB
Antenna gain:	1.49dBi

Channel List:

BT : BR/1Mbps: GFSK, EDR/2Mbps: $\pi/4$ DQPSK

CH00	2402 MHz	CH40	2442 MHz
CH01	2403 MHz	CH41	2443 MHz
CH02	2404 MHz	CH42	2444 MHz
--	--	--	--
--	--	--	--
--	--	--	--
CH38	2440 MHz	CH77	2479 MHz
CH39	2441 MHz	CH78	2480 MHz

3.3. Modification of EUT

No modifications are made to the EUT during all test items.

3.4. Testing Site

Laboratory Name	Shenzhen Bangce Testing Technology Co., Ltd.
Laboratory Location	101, building 10, Yunli Intelligent Park, Shutianpu community, Matian Street, Guangming District, Shenzhen, Guangdong, China

4. TEST CONFIGURATION

4.1. Test frequency list

Lowest Channel (LCH) (MHz)	Middle Channel (MCH) (MHz)	Highest Channel (HCH) (MHz)
2402	2441	2480

4.2. Test mode

No	Test mode	Description
TM1	TX-GFSK (Non-Hopping)	Keep the EUT in continuously transmitting mode (non-hopping) with GFSK modulation at lowest, middle and highest channel.
TM2	TX-Pi/4DQPSK (Non-Hopping)	Keep the EUT in continuously transmitting mode (non-hopping) with Pi/4DQPSK modulation at lowest, middle and highest channel.
TM3	TX-8DPSK (Non-Hopping)	Keep the EUT in continuously transmitting mode (non-hopping) with 8DPSK modulation at lowest, middle and highest channel.
TM4	RX-GFSK	Keep the EUT in continuously receives mode with GFSK modulation at lowest, middle and highest channel.
TM5	RX-Pi/4DQPSK	Keep the EUT in continuously receives mode with Pi/4DQPSK modulation at lowest, middle and highest channel.
TM6	RX-8DPSK	Keep the EUT in continuously receives mode with 8DPSK modulation at lowest, middle and highest channel.
TM7	TX-GFSK (Hopping)	Keep the EUT in continuously transmitting mode (hopping) with GFSK modulation.
TM8	TX-Pi/4DQPSK (Hopping)	Keep the EUT in continuously transmitting mode (hopping) with Pi/4DQPSK modulation.
TM9	TX-8DPSK (Hopping)	Keep the EUT in continuously transmitting mode (hopping) with 8DPSK modulation.
TM10	Single carrier mode	Keep the EUT in Single carrier status

4.3. Support unit used in test configuration and system

The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application.

The following peripheral devices and interface cables were connected during the measurement:

Item	Equipment name	Trade Name	Model No.
1	--	--	--

4.4. Test sample information

Type	sample no.
Engineer sample	CISR25063032001-S01
Normal sample	CISR25063032001-S02

4.5. Testing environmental condition

Type	Requirement	Actual
Temperature:	15~35°C	25°C
Relative Humidity:	25~75%	50%
Air Pressure:	860~1060mbar	1000mbar

4.6. Test Voltage

The fluctuation of input voltage to the circuit of RF unit of test equipment is under $\pm 1\%$, when input voltage to the test equipment is fluctuated by $\pm 10\%$, So, all measurement has been conducted by only rated voltage.

The measurement result of the voltage fluctuation at RF circuit		
Test condition	EUT Voltage for operation	RF Circuitry Voltage
Normal Voltage	5V	3.3V
High Voltage (+10% of Normal Voltage)	5.5V	3.3V
Low Voltage (-10% of Normal Voltage)	4.5V	3.3V

4.7. Statement of the measurement uncertainty

No.	Test Items	Measurement Uncertainty
1	Frequency Tolerance	$\pm 5\text{Hz}$
2	Peak Output Power	1.34dB
3	Bandwidth	0.002%
4	Conducted Spurious Emission	1.93dB

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=1.96$.

4.8. Equipment Used during the Test

Equipment	Manufacture	Model No.	Serial No.	Last cal.	Cal Interval
MXA Signal Analyzer	Agilent	N9020A	MY53281532	2025.1.08	1Year
DC Power Supply	Agilent	E3642A	MY400013613	2025.1.08	1Year
Power control box	Tonscend	JS0806-2	--	2025.1.08	1Year
Oscilloscope	Tektronix	TBS1102C	C025437	2025.1.08	1Year

Note: All equipment is calibrated through GUANGZHOU LISAI CALIBRATION AND TEST CO. LTD and according to Article 24-2, Paragraph 4 of the Radio Act method c.

5. TEST CONDITIONS AND RESULTS

5.1. Frequency Tolerance

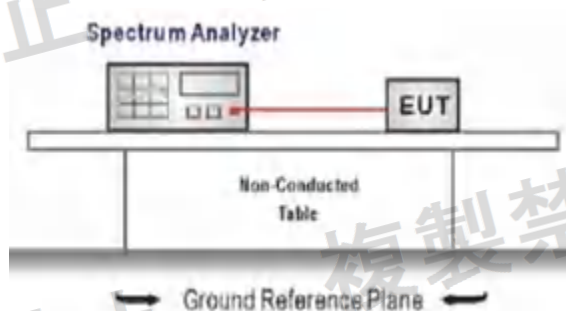
Standard Applicable:

MIC Notice No.88 Appendix No.43 Article 2 Paragraph 1 Item 19

Limit:

$\pm 50 \times 10^{-6}$

Test configuration:



Test procedure:

1. Set EUT work in test mode as described in clause 4.2.
2. Connected the EUT' s antenna port to the Spectrum Analyzer by suitable attenuator, set the Spectrum Analyzer as below:
Centre Frequency: The centre frequency of the channel under test.
Resolution BW: 10 KHz.
Video BW: 10 KHz.
Span: 500kHz.
Detector: Peak.
Trace Mode: Max Hold.
3. When the trace is complete, find the peak value of the power envelope and record.

Test mode:

TM10

Test data:

Refer to the Appendix Report

Result:

Passed

5.2. Occupied Bandwidth

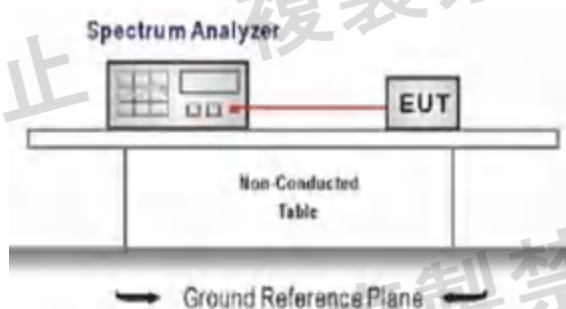
Standard Applicable:

MIC Notice No.88 Appendix No.43 Article 2 Paragraph 1 Item 19

Limit:

FH: 83.5MHz or less

Test configuration:



Test procedure:

1. Set EUT work in test mode as described in clause 4.2
2. Connected the EUT's antenna port to the Spectrum Analyzer by suitable attenuator, set the Spectrum Analyzer as below:
Centre Frequency: The centre frequency of the channel under test.
RBW/VBW= 300kHz/300kHz
Span: Wide enough to cover the complete power envelope of the signal of the EUT.
Sweep mode: Continuous sweeping.
Detector: Peak.
Trace Mode: Max Hold.
3. When the trace is complete, measure the occupied bandwidth (99% bandwidth) with spectrum analyzer's bandwidth measure function.

Test mode:

TM7, TM8, TM9

Test data:

Refer to the Appendix Report

Result:

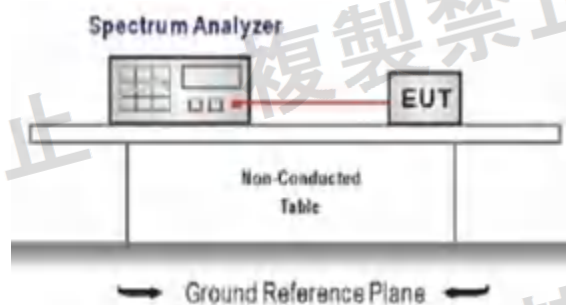
Passed

5.3. Spread Bandwidth

Standard Applicable:

MIC Notice No.88 Appendix No.43 Article 2 Paragraph 1 Item 19

Test configuration:



Test procedure:

1. Set EUT work in test mode as described in clause 4.2
2. Connected the EUT' s antenna port to the Spectrum Analyzer by suitable attenuator, set the Spectrum Analyzer as below:
Centre Frequency: The centre frequency of the channel under test.
RBW/VBW= 300kHz/300kHz
Span: Wide enough to cover the complete power envelope of the signal of the EUT.
Sweep mode: Continuous sweeping.
Detector: Peak.
Trace Mode: Max Hold.
3. When the trace is complete, measure the occupied bandwidth (90% bandwidth) with spectrum analyzer' s bandwidth measure function.

Test mode:

TM7, TM8, TM9

Test data:

Refer to the Appendix Report

Result:

Passed

5.4. Antenna Power and EIRP

Standard Applicable:

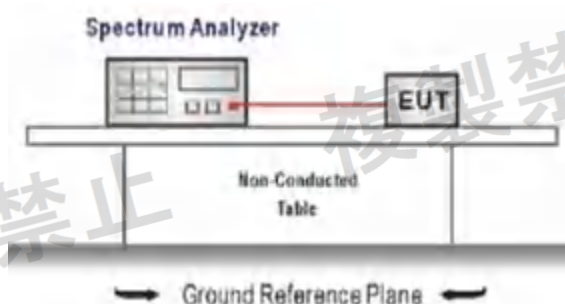
MIC Notice No.88 Appendix No.43 Article 2 Paragraph 1 Item 19

Limit:

Modulation system	Frequency band used	Antenna power (max)	EIRP (max)	
			Omnidirectional case	Directional case
DS-SS/OFDM	2,400 ~ 2,483.5 MHz	10 mW/MHz	12.14 dBm/MHz	22.14 dBm/MHz
FH, DS-FH, FH-OFDM	2,400 ~ 2,483.5 MHz	3 mW/MHz	6.91 dBm/MHz	16.91 dBm/MHz
	Excluding 2,427 ~ 2,470.75 MHz	10 mW/MHz	12.14 dBm/MHz	22.14 dBm/MHz
Other than the above	2,400 ~ 2,483.5 MHz	10 mW	12.14 dBm	22.14 dBm

Antenna Power Tolerance: 20%

Test configuration:



Test procedure:

1. EUT have transmitted continuous maximum power
2. Antenna Power Error is definition that actual measure antenna power tolerance between +20% power range that base on manufacturer declare the conducted power density.

Test mode:

TM1, TM2, TM3

Test data:

Refer to the Appendix Report

Result:

Passed

5.5. Dwell Time

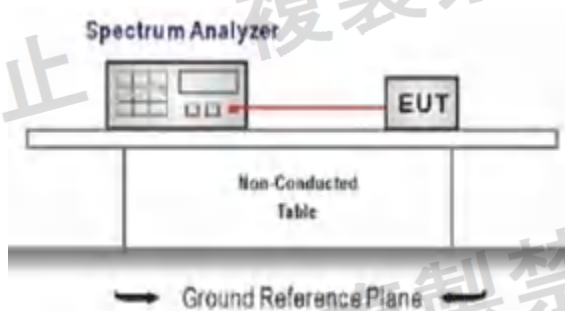
Standard Applicable:

MIC Notice No.88 Appendix No.43 Article 2 Paragraph 1 Item 19

Limit:

FH: 0.4 seconds or less

Test configuration:



Test procedure:

1. Set EUT work in test mode as described in clause 4.2
2. Connected the EUT' s antenna port to the Spectrum Analyzer by suitable attenuator, set the Spectrum Analyzer as below:
Centre Frequency: The centre frequency of the channel under test.
Resolution BW: 1MHz.
Video BW: 1MHz.
Span: Zero MHz
Detector: Peak.
Trace Mode: Max Hold.
3. When the trace is complete, measure the sending time of 1 burst and the duty cycle of 1 burst cycle.

Test mode:

TM1, TM2, TM3

Test data:

Refer to the Appendix Report

Result:

Passed

5.6. Spurious Emissions of TX

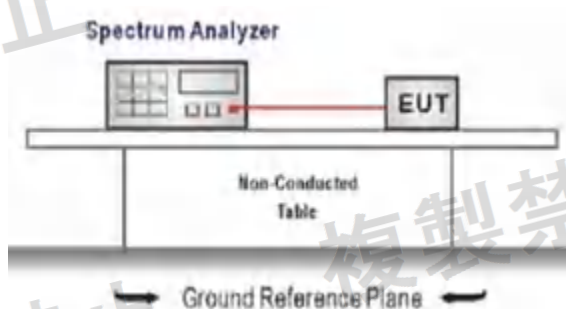
Standard Applicable:

MIC Notice No.88 Appendix No.43 Article 2 Paragraph 1 Item 19

Limit:

- a. $2387\text{MHz} \leq f \leq 2400\text{MHz}$ and $2483.5\text{MHz} < f \leq 2496.5\text{MHz}$ $25\mu\text{W}$
 (-16dBm/MHz) or less
 b. $2.387 > f$ and $2.496.5\text{MHz} < f$ $2.5\mu\text{W}(-26\text{dBm/MHz})$ or less

Test configuration:



Test procedure:

Set EUT work in test mode as described in clause 4.2

1. Connected the EUT' s antenna port to the Spectrum Analyzer by suitable attenuator, set the Spectrum Analyzer as below:
 Below 1GHz: RBW/VBW= 100kHz/100kHz
 Above 1GHz: RBW/VBW= 1MHz /1MHz.
 Detector: Peak.
 Trace Mode: Max Hold.
2. All the emissions from 30MHz to 12.5GHz were measured and record.

Test mode:

TM1, TM2, TM3

Test data:

Refer to the Appendix Report

Result:

Passed

5.7. Spurious Emissions of RX

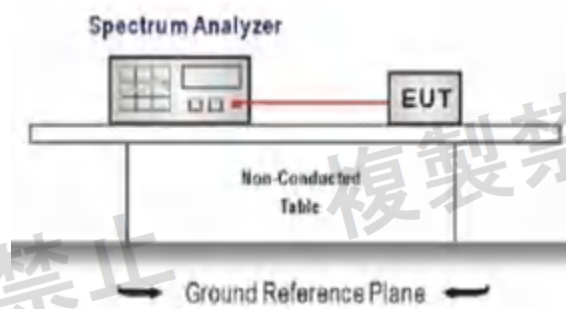
Standard Applicable:

MIC Notice No.88 Appendix No.43 Article 2 Paragraph 1 Item 19

Limit:

The limit on secondary emissions radiated from the receiving equipment within which the function of other radio equipment will not be impaired shall be, in terms of the power of a dummy antenna circuit that has the same electrical constant as the receiving antenna, 4 nW(-54dBm) or less at a frequency below 1 GHz and 20 nW(-47dBm) or less at a frequency of 1 GHz or higher as measured using the circuit.

Test configuration:



Test procedure:

1. Set EUT work in test mode as described in clause 4.2
2. Connected the EUT' s antenna port to the Spectrum Analyzer by suitable attenuator, set the Spectrum Analyzer as below:
Resolution BW: 100 KHz for frequency below 1GHz and 1MHz for frequency above 1GHz
Video BW: 100 KHz for frequency below 1GHz and 1MHz for frequency above 1GHz
Detector: Peak.
Trace Mode: Max Hold.

Test mode:

TM4, TM5, TM6

Test data:

Refer to the Appendix Report

Result:

Passed

5.8. Interference prevention function

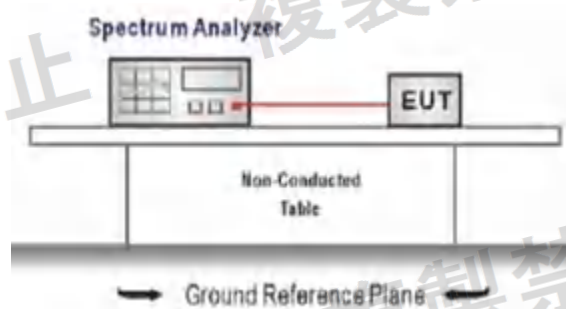
Standard Applicable:

MIC Notice No.88 Appendix No.43 Article 2 Paragraph 1 Item 19

Limit:

Radio equipment used mainly on the same premises and automatically transmits or receives identification code.

Test configuration:



Test procedure:

1. Transmit the predetermined identification codes from EUT.
2. Check the transmitted identification codes with the demodulator.

Test mode:

TM1, TM2, TM3, TM4, TM5, TM6

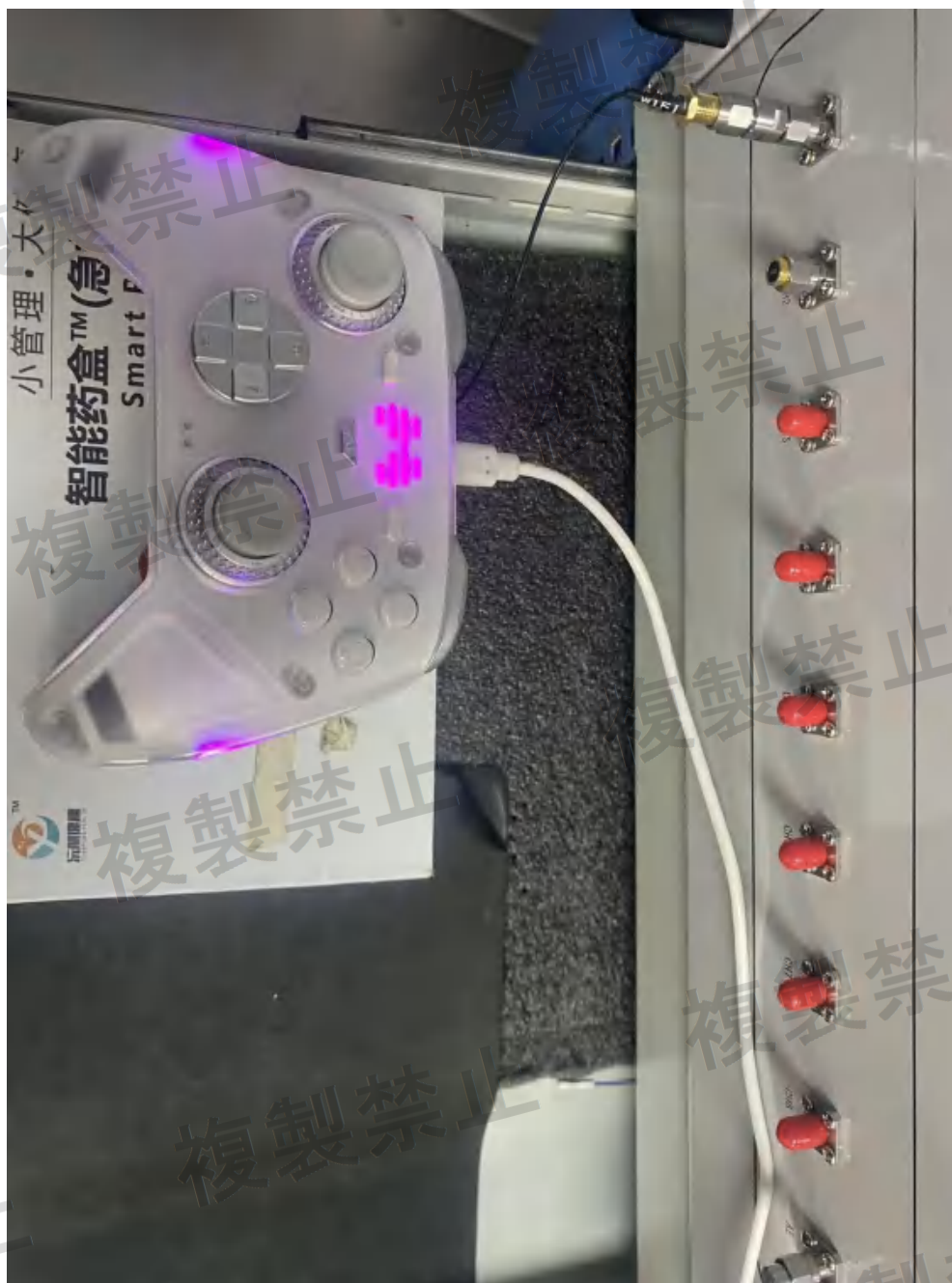
Identification code:

A0:5A:5E:59:EC:B5

Result:

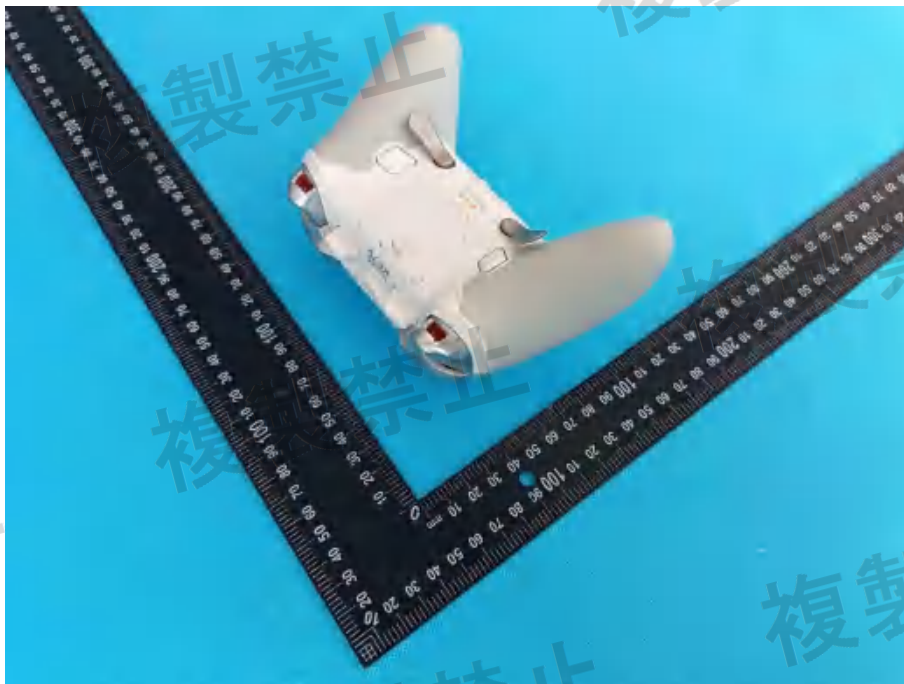
Passed

6. TEST SETUP PHOTOS



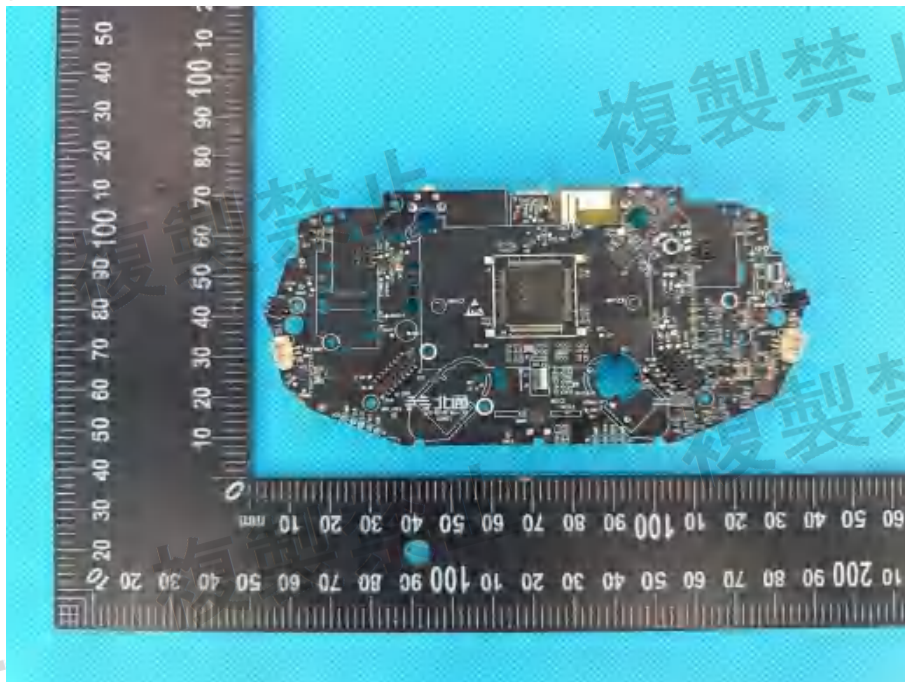
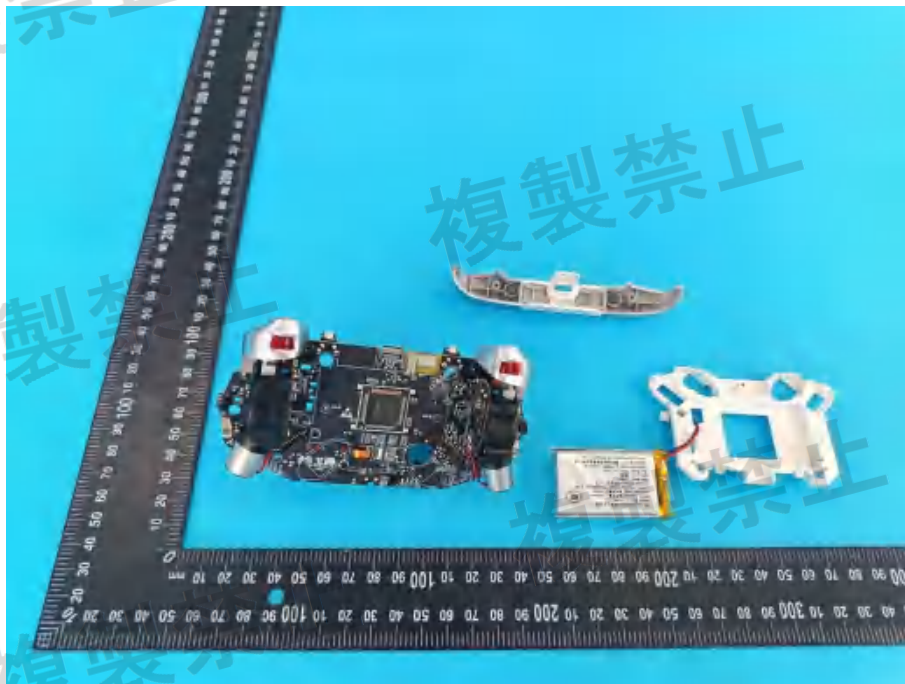
7. EXTERNAL AND INTERNAL PHOTOS

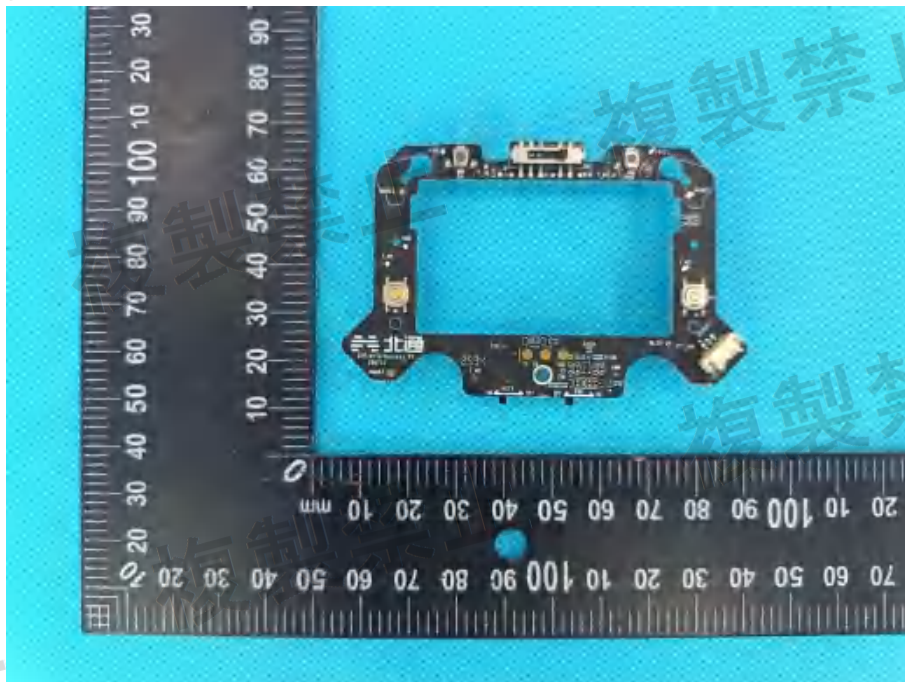
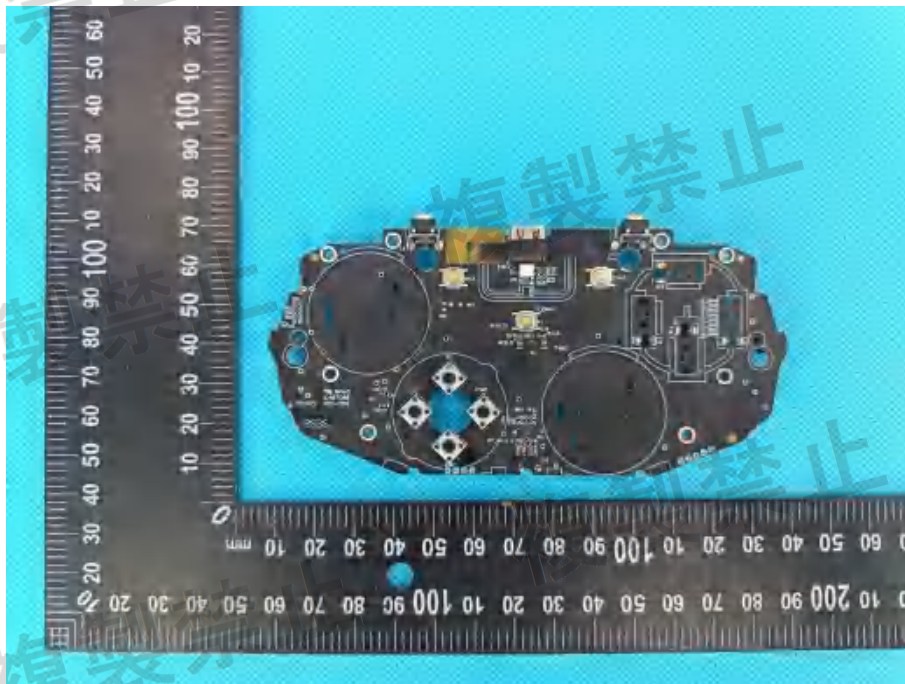
7.1. External Photos

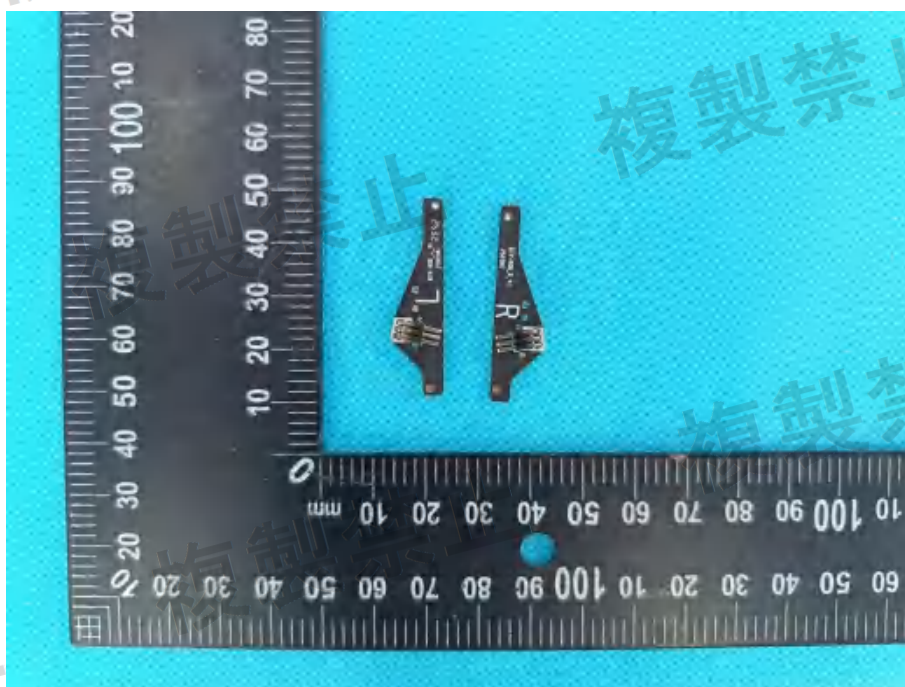
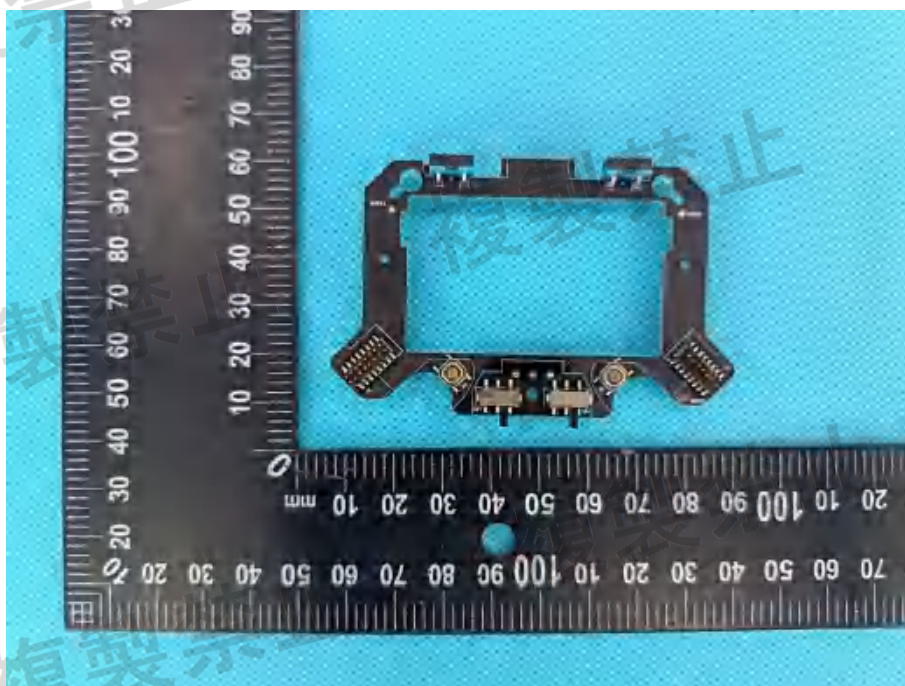


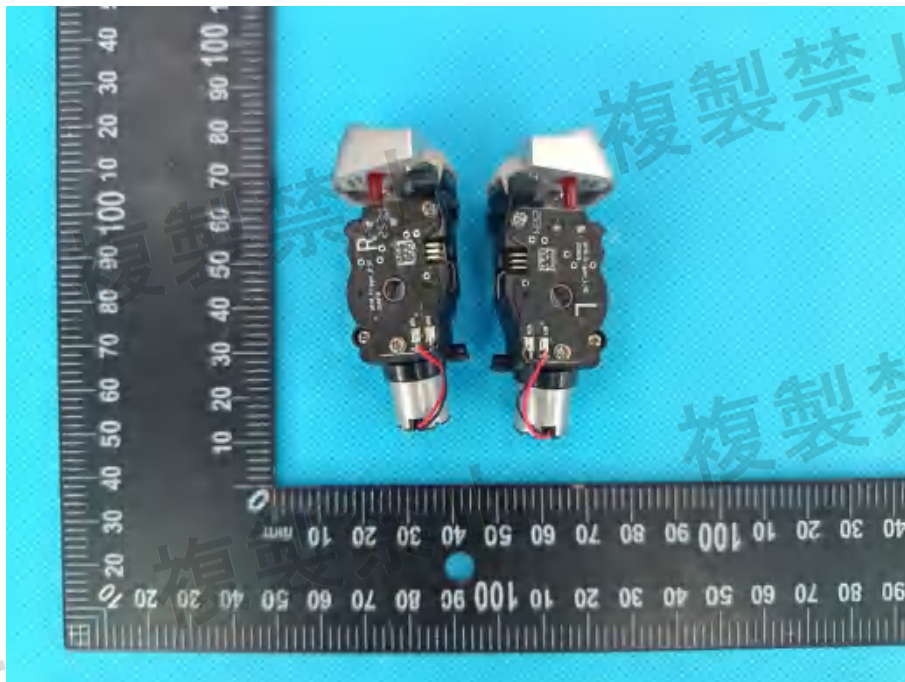
7.2. Internal photos

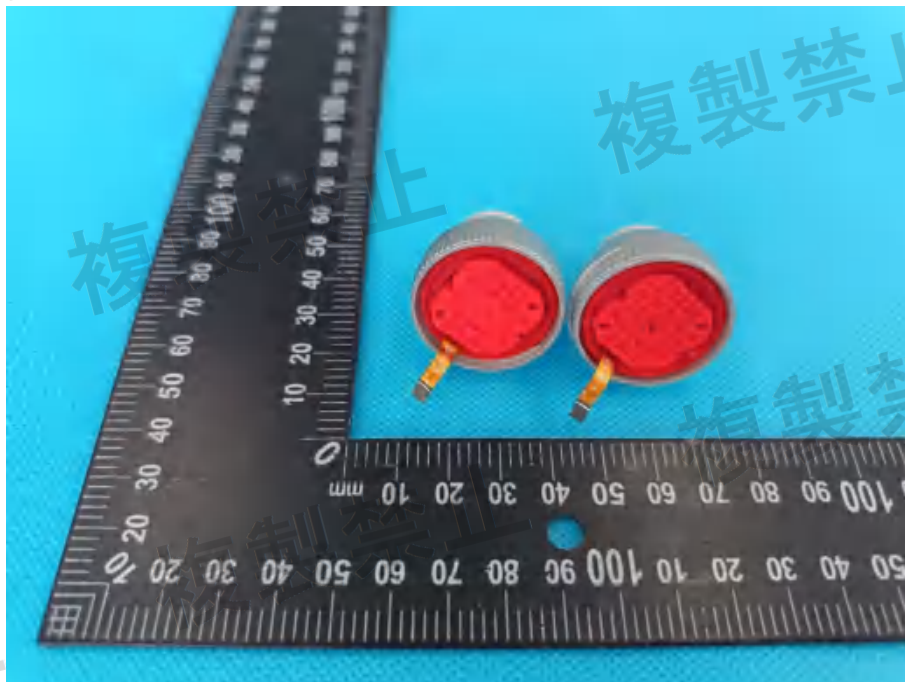
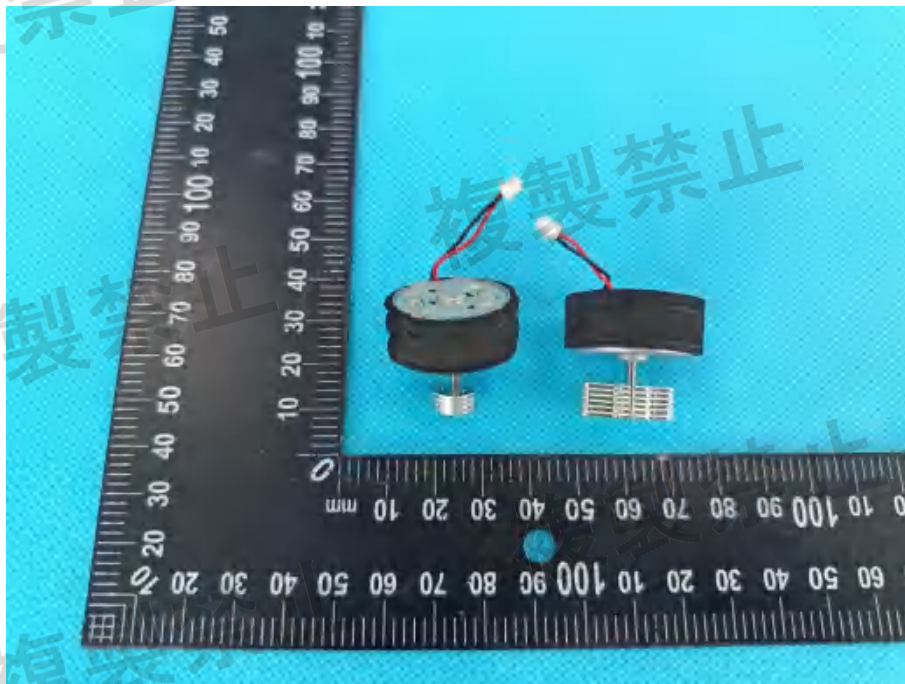


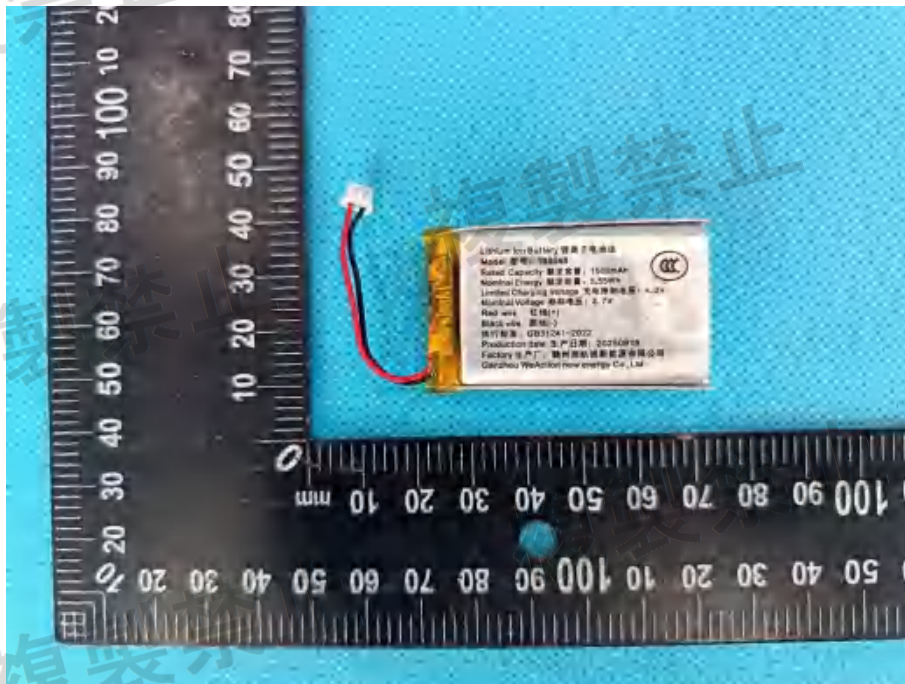












8. Appendix Report

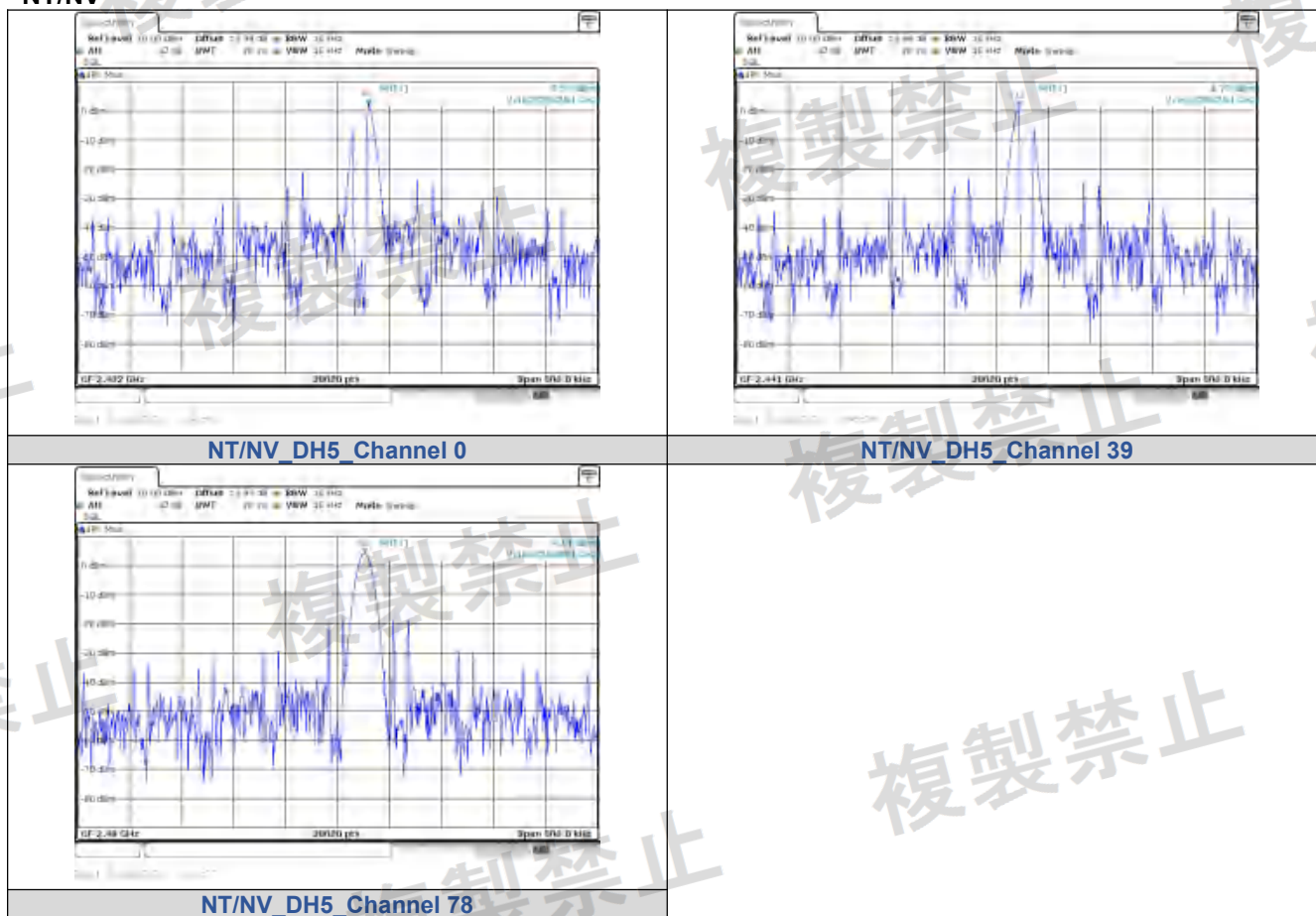
8.1 Frequency Tolerance

Test Result

Condition	Mode	Ch.	Center Frequency (MHz)	Measured Value (MHz)	Result (ppm)	Limit (ppm)	Result
NT/NV	GFSK(CW)	0	2402	2402.0296250	12.33	± 50	PASS
NT/NV	GFSK(CW)	39	2441	2441.0206250	8.45	± 50	PASS
NT/NV	GFSK(CW)	78	2480	2480.0258080	10.41	± 50	PASS

Test Graphs

NT/NV



8.2 Antenna Power

Test Result

Normal Mode

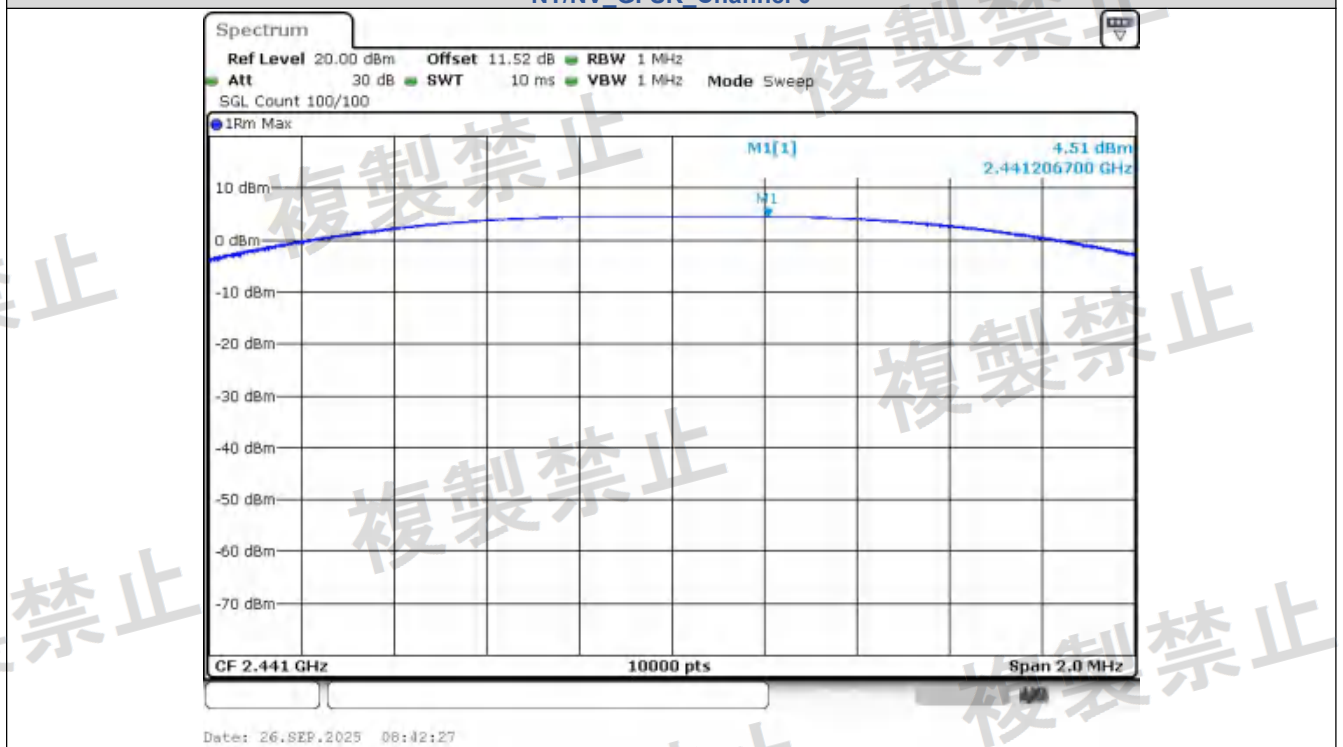
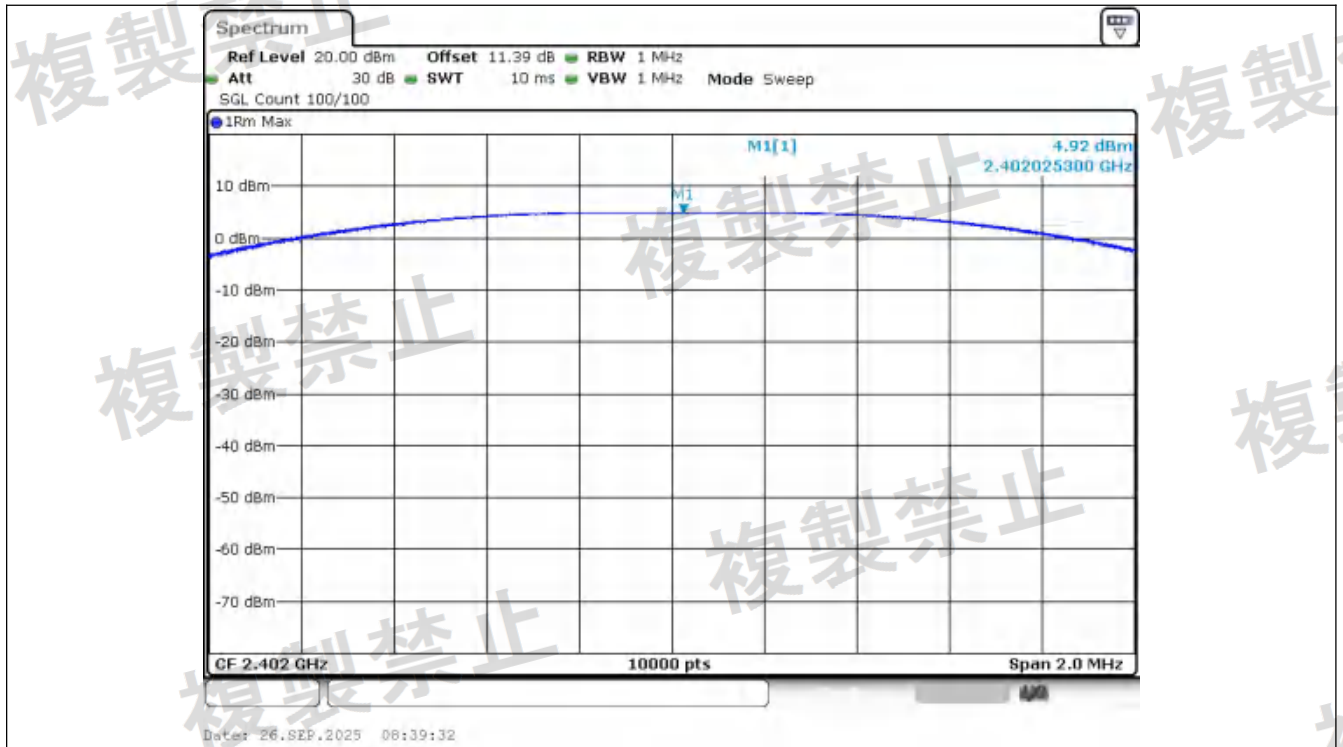
Condition	Modulation	Frequency (MHz)	Antenna power (dBm)	Antenna power (dBm/MHz)	Antenna power density (mW/MHz)	Limit (mW/MHz)	Result
NT/NV	GFSK_DH5	2402	4.92	0.07	0.0442	3	PASS
		2441	4.51	0.06	0.0402	3	PASS
		2480	4.03	0.06	0.0360	3	PASS
	$\pi/4$ DQPSK_2-DH5	2402	4.28	0.06	0.0382	3	PASS
		2441	4.11	0.06	0.0367	3	PASS
		2480	3.95	0.06	0.0354	3	PASS
	8DPSK_3-DH5	2402	4.13	0.06	0.0366	3	PASS
		2441	4.09	0.05	0.0327	3	PASS
		2480	4.04	0.05	0.0324	3	PASS

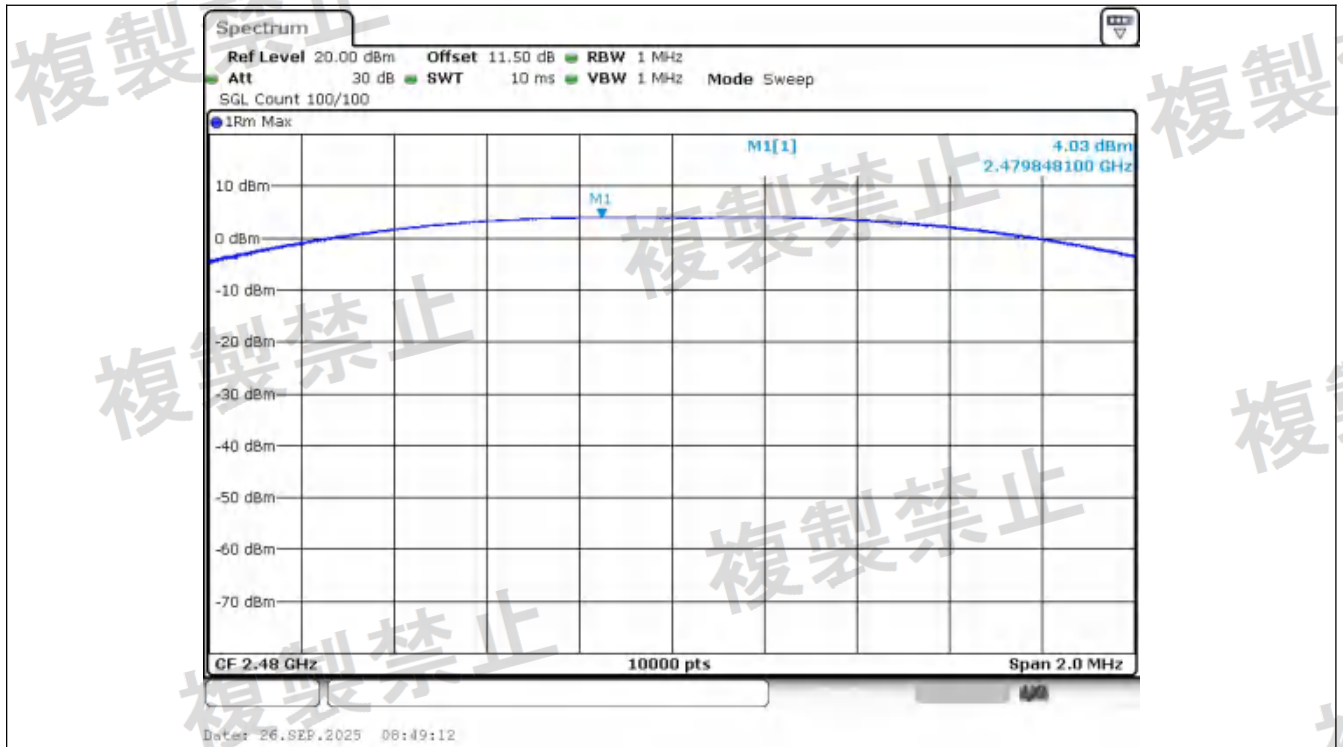
Condition	Modulation	Frequency (MHz)	Tolerance (%)	Tolerance Limit (%)	Rated power (mW/MHz)	Result
NT/NV	GFSK_DH5	2402	-56.10%	+20	0.1	PASS
		2441	-60.06%	+20	0.1	PASS
		2480	-64.24%	+20	0.1	PASS
	$\pi/4$ DQPSK_2-DH5	2402	-62.52%	+20	0.1	PASS
		2441	-63.96%	+20	0.1	PASS
		2480	-65.27%	+20	0.1	PASS
	8DPSK_3-DH5	2402	-63.37%	+20	0.1	PASS
		2441	-63.71%	+20	0.1	PASS
		2480	-64.12%	+20	0.1	PASS

Condition	Mode	Frequency (MHz)	EIRP(dBm/MHz)	Gain(dBi)	Limit (dBm)	Result
NT/NV	GFSK_DH5	2402	1.56	1.49	4.91	PASS
	GFSK_DH5	2441	1.55	1.49	4.91	PASS
	GFSK_DH5	2480	1.55	1.49	4.91	PASS
	$\pi/4$ DQPSK_2-DH5	2402	1.55	1.49	4.91	PASS
	$\pi/4$ DQPSK_2-DH5	2441	1.55	1.49	4.91	PASS
	$\pi/4$ DQPSK_2-DH5	2480	1.55	1.49	4.91	PASS
	8DPSK_3-DH5	2402	1.55	1.49	4.91	PASS
	8DPSK_3-DH5	2441	1.54	1.49	4.91	PASS
	8DPSK_3-DH5	2480	1.54	1.49	4.91	PASS

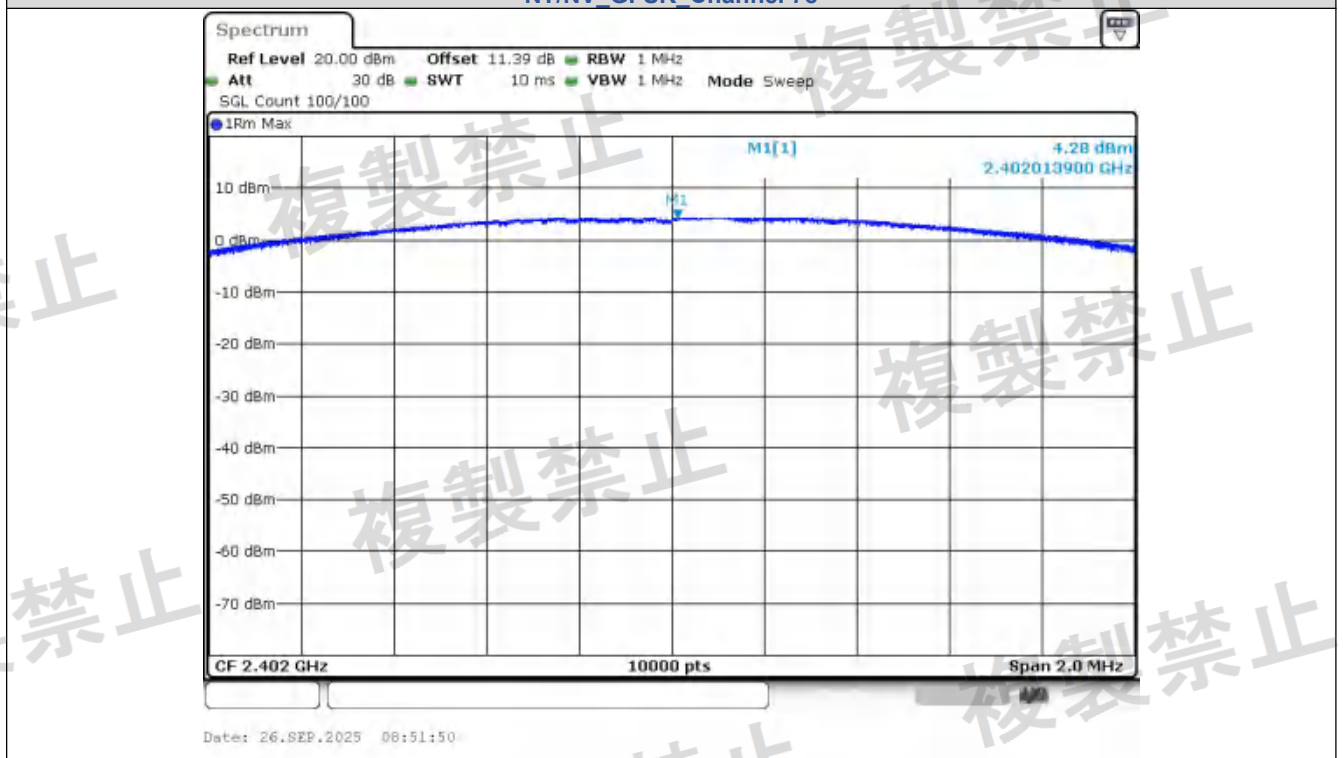
Test Graphs

Normal Mode

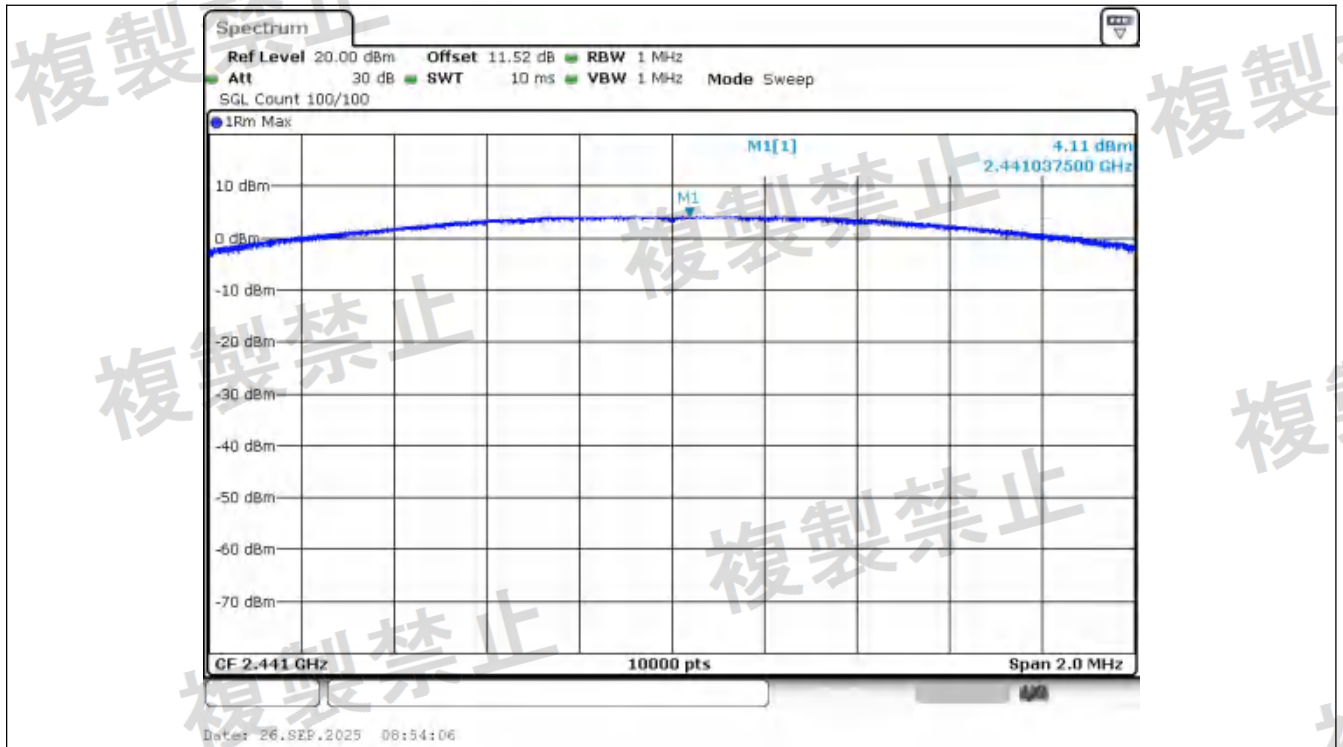




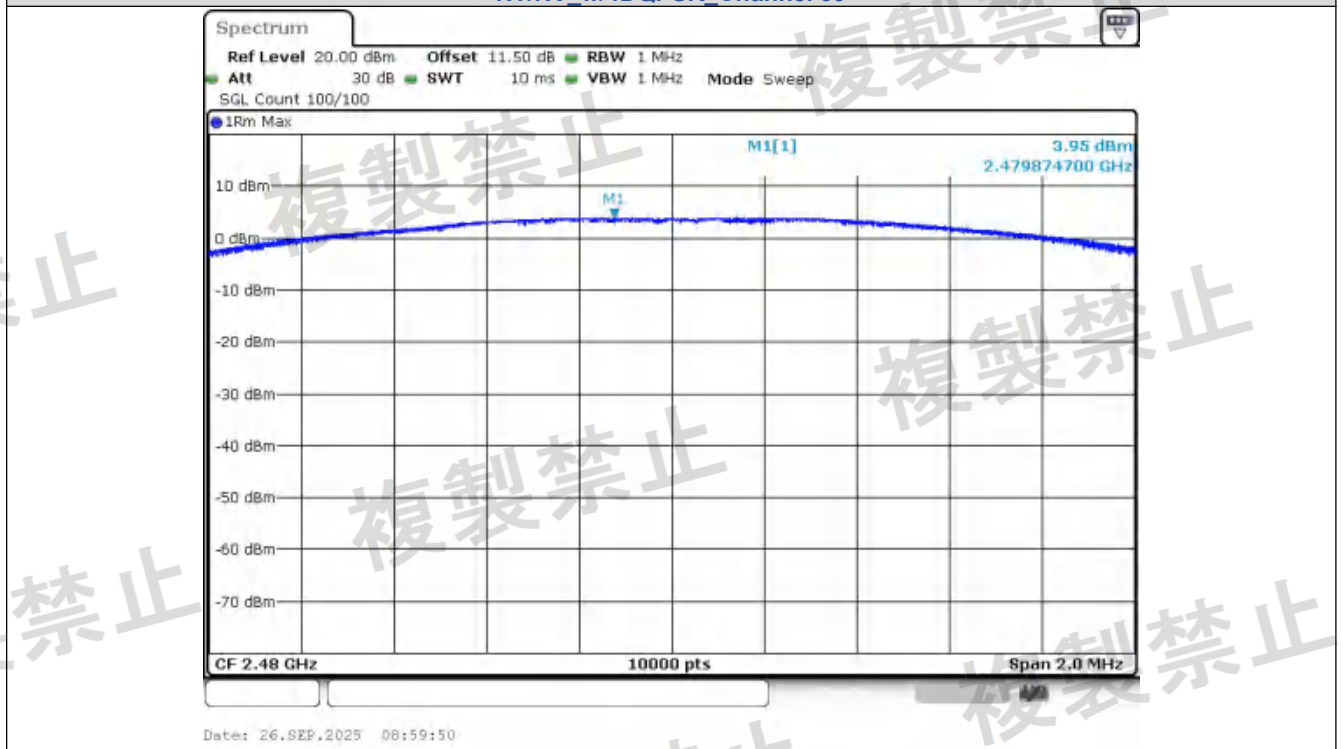
The maximum PD
NT/NV_GFSK_Channel 78



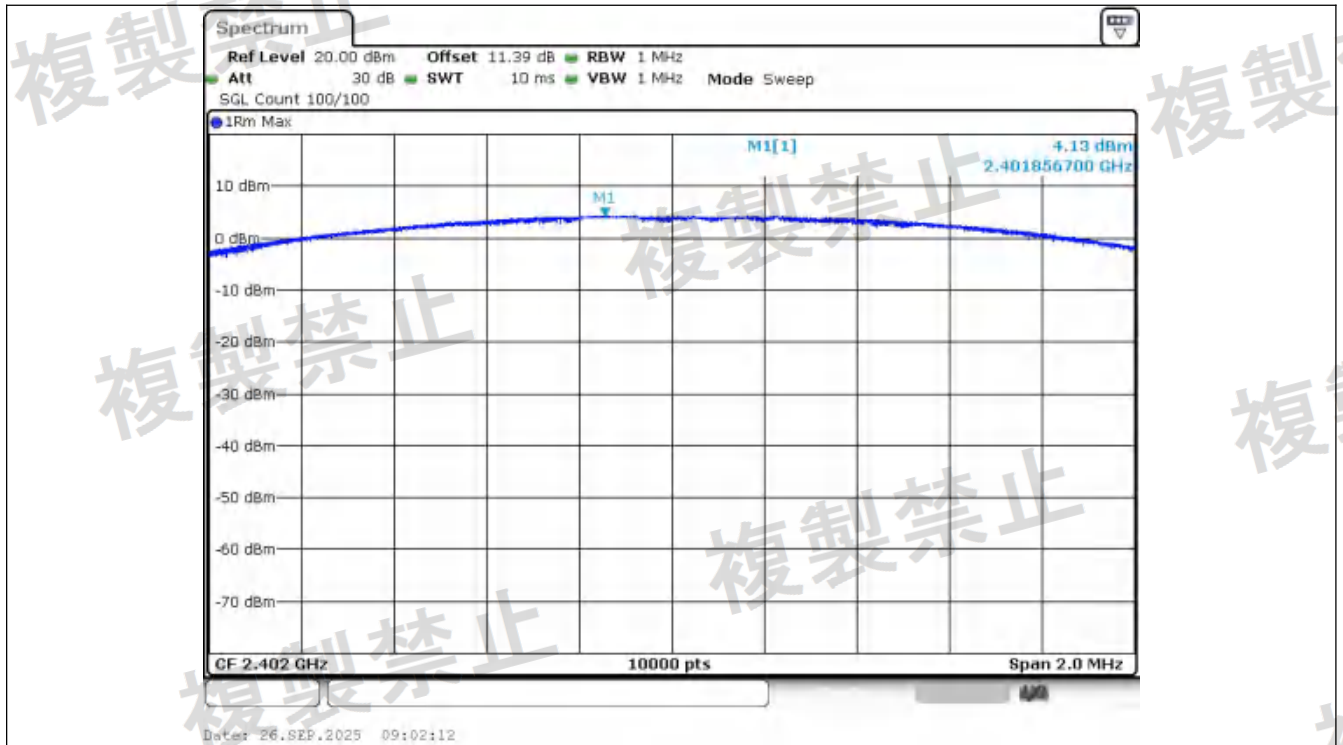
The maximum PD
NT/NV_pi/4QPSK_Channel 0



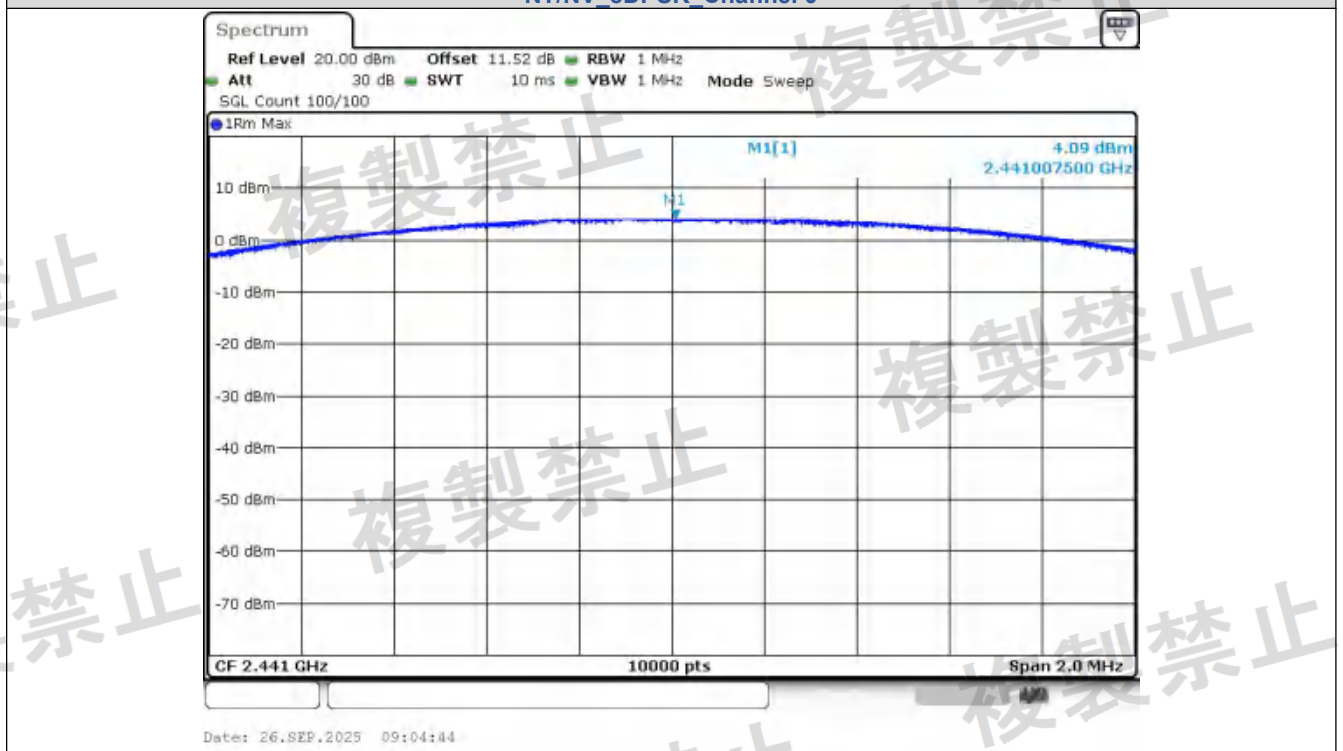
The maximum PD
NT/NV_π/4QPSK_Channel 39



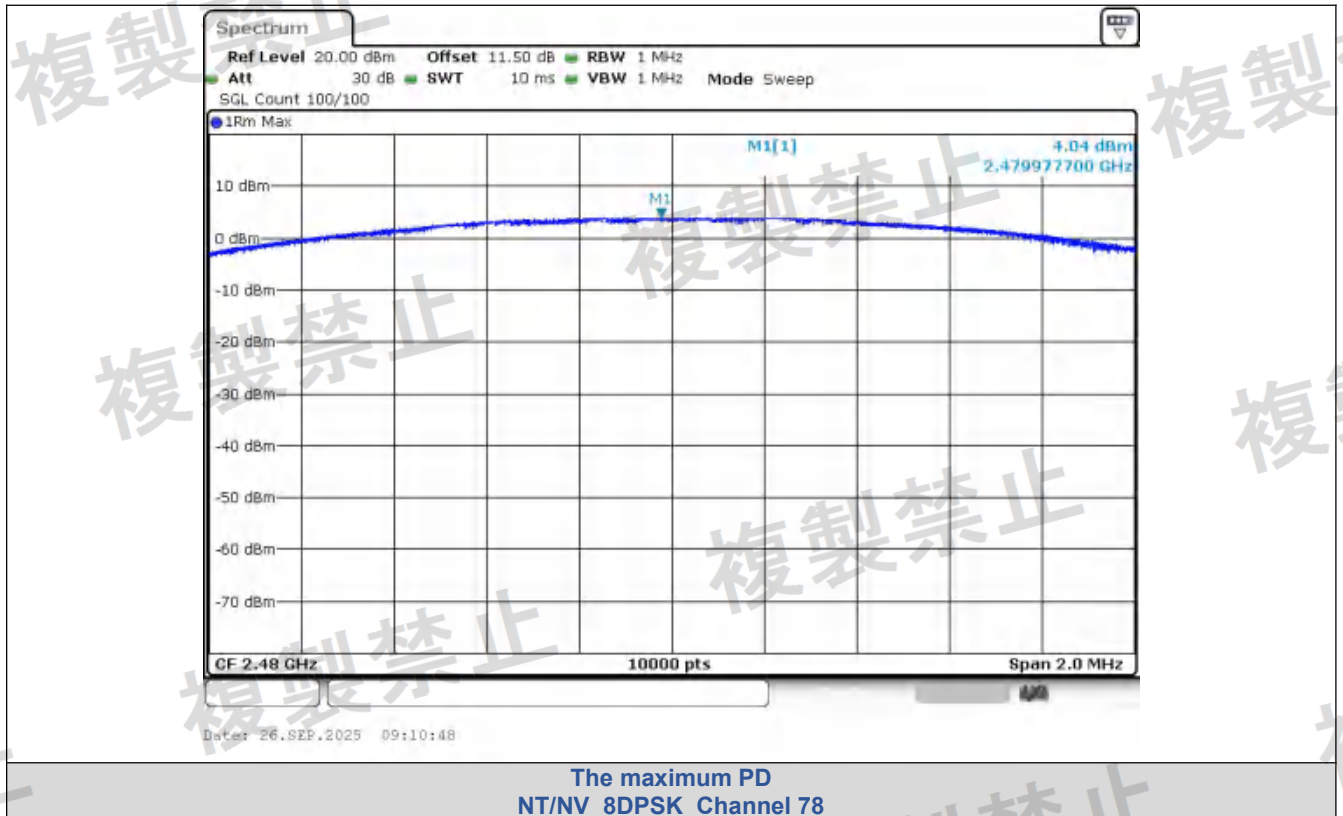
The maximum PD
NT/NV_π/4QPSK_Channel 78



The maximum PD
NT/NV_8DPSK_Channel 0



The maximum PD
NT/NV_8DPSK_Channel 39



8.3 Occupied Bandwidth (99% BW)

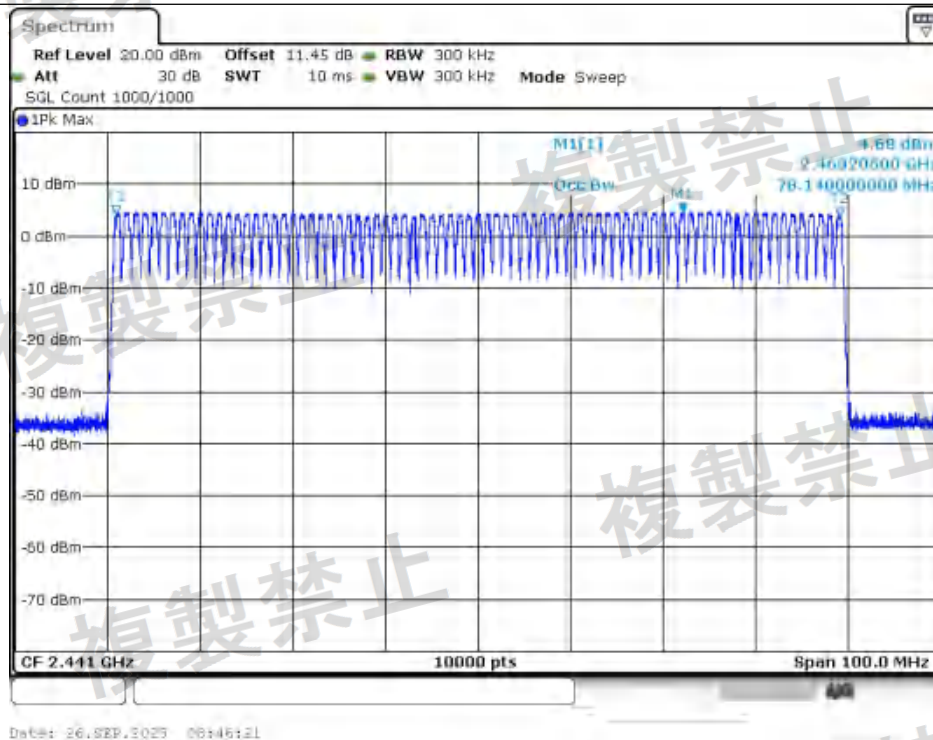
Test Result

Normal Mode

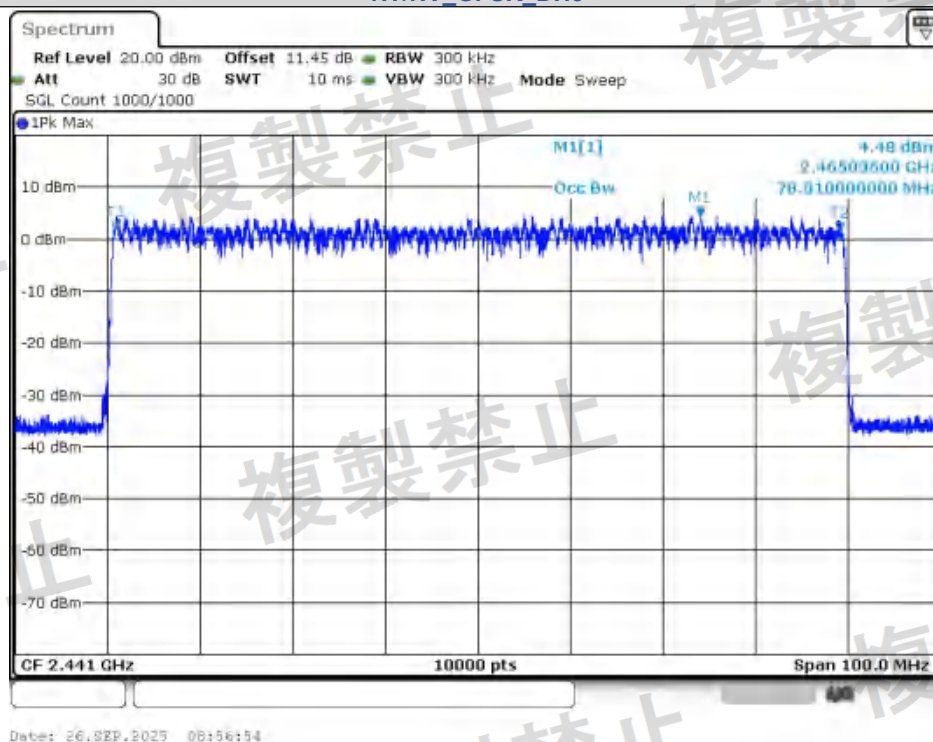
Condition	Modulation	99% BW (MHz)	Limit (MHz)	Result
NT/NV	GFSK_DH5	78.140	83.5	PASS
	$\pi/4$ DQPSK_2-DH5	78.310		PASS
	8DPSK_3-DH5	78.220		PASS

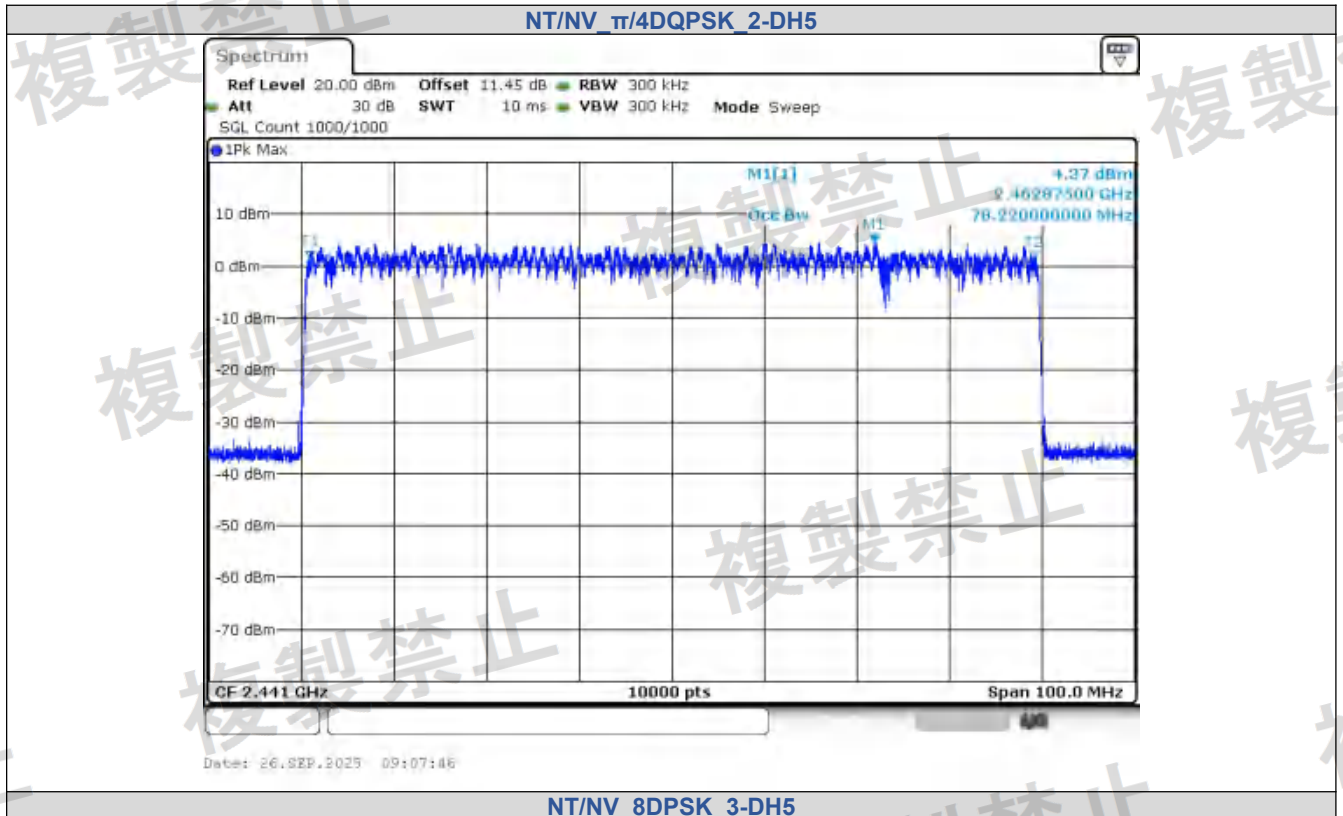
Test Graphs

Normal Mode



NT/NV_GFSK_DH5





8.4 Spreading Bandwidth (90% BW)

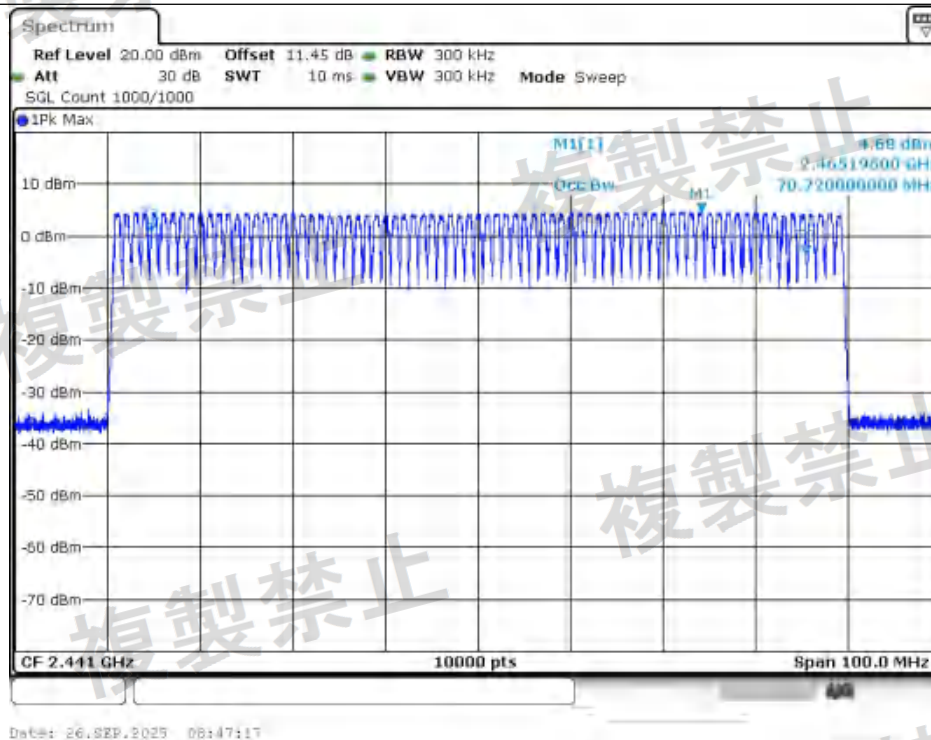
Test Result

Normal Mode

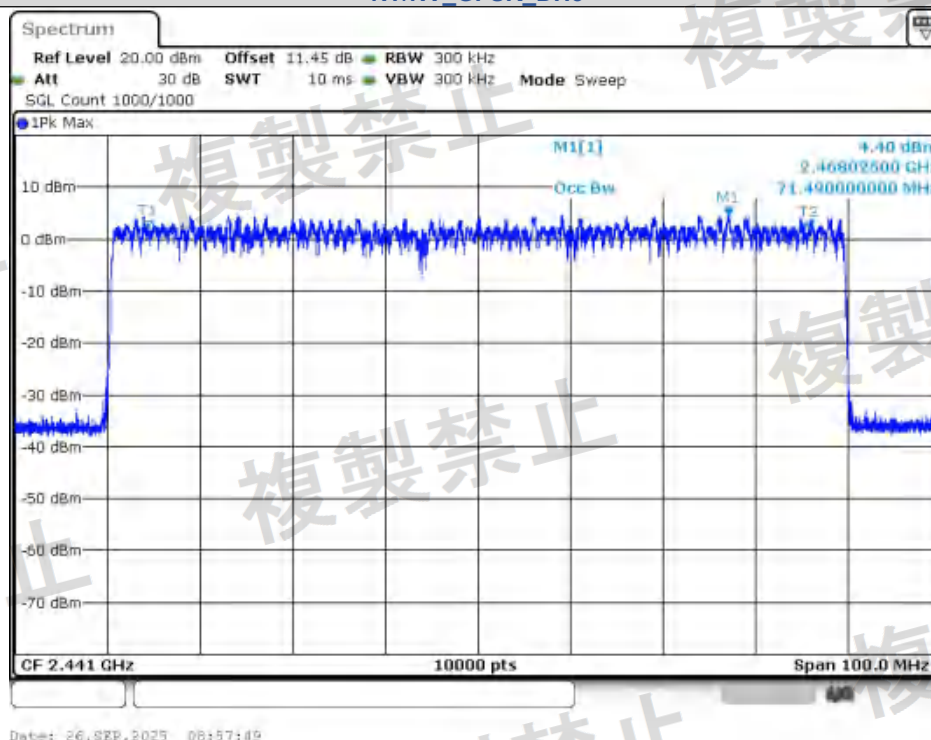
Condition	Mode	90% SBW (MHz)	Spreading factor	Result
NT/NV	GFSK_DH5	70.720	70.720	PASS
NT/NV	$\pi/4$ DQPSK_2-DH5	71.490	35.745	PASS
NT/NV	8DPSK_3-DH5	70.660	23.553	PASS

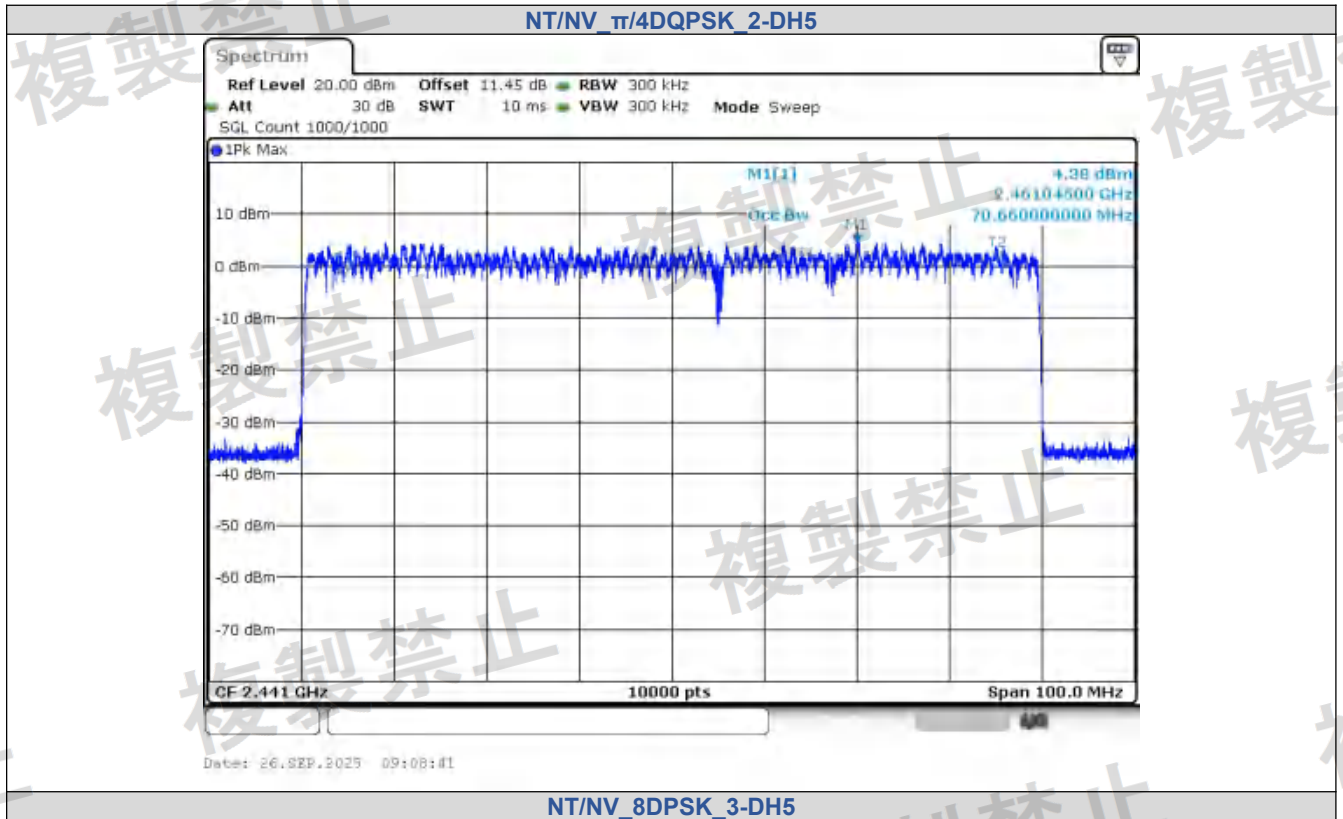
Test Graphs

Normal Mode



NT/NV_GFSK_DH5





8.5 Dwell Time

Test Result

Normal Mode

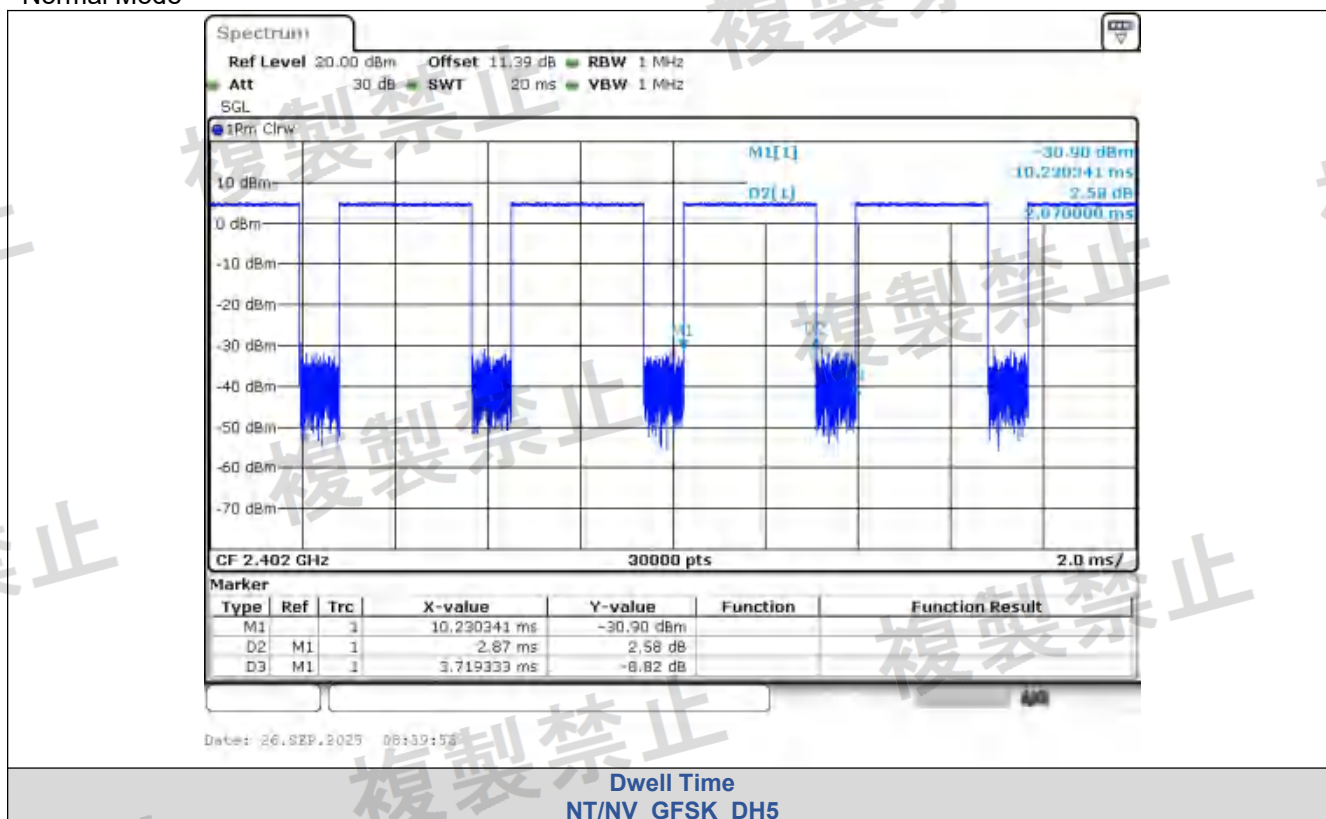
Condition	Modulation	Packet	Spreading Rate	(Spreading Rate / 79) * 0.4	Burst Ratio	Dwell Time (ms)	Limit (ms)	Result
NT/NV	GFSK	DH5	70.72	0.3581	0.772	276	400	PASS
	$\pi/4$ DQPSK	2-DH5	71.49	0.362	0.772	279	400	PASS
	8DPSK	3-DH5	70.66	0.3578	0.772	276	400	PASS

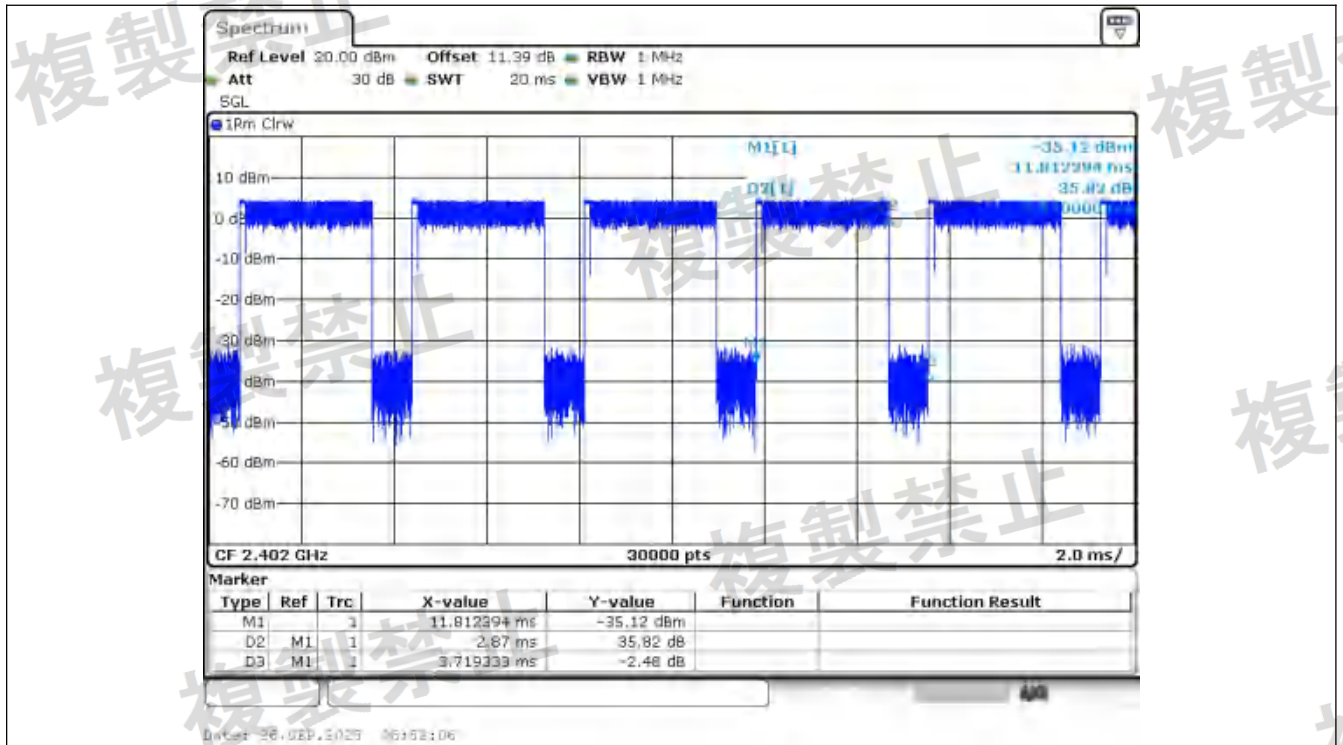
Note:

- 1) Spreading Rate = Spreading factor;
- 2) Normal mode Dwell time = (Spreading rate/79) x Burst Ratio x 0.4 seconds.
- 3) Burst Ratio = Duty Cycle = On Time / Period.

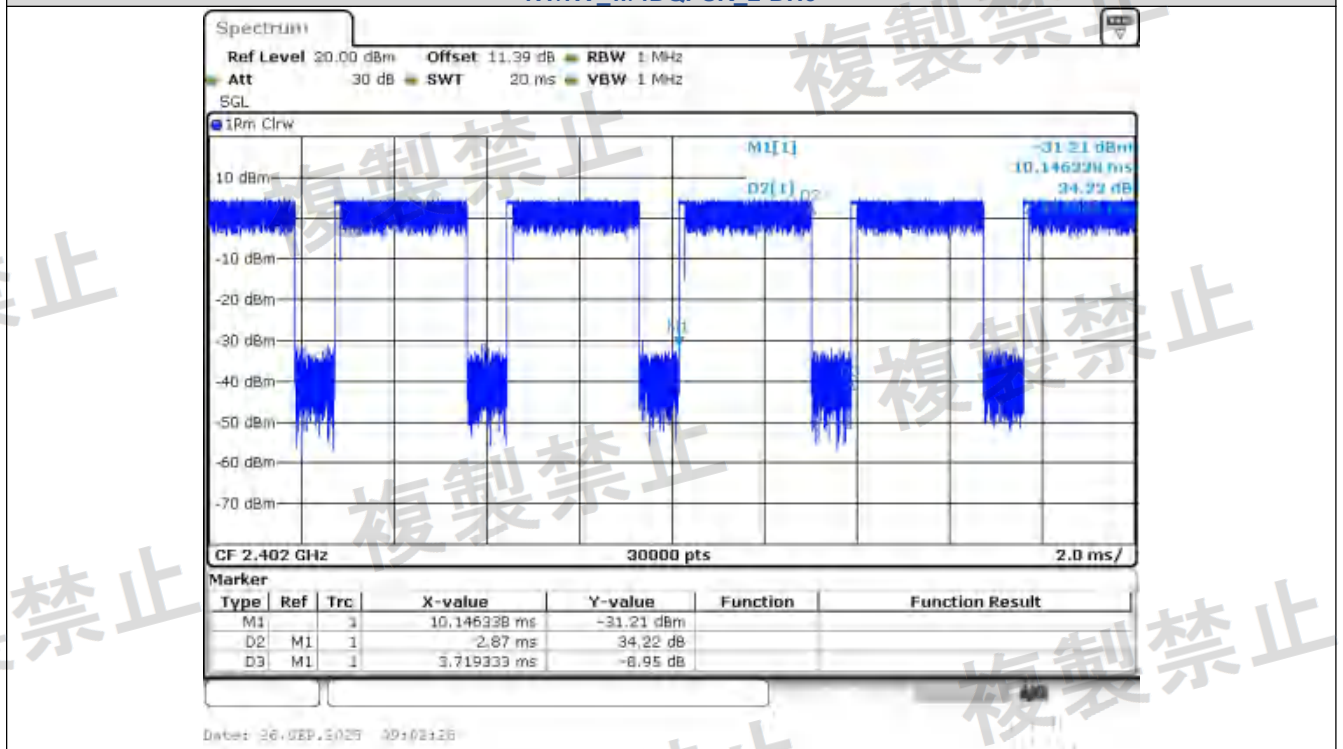
Test Graphs

Normal Mode





Dwell Time NT/NV_π/4DQPSK_2-DH5



Dwell Time NT/NV_8DPSK_3-DH5

8.6 Spurious Emissions

Test Result GFSK_DH5

Condi on	Freque ncy Range	Lowest Channel			Middle Channel			Highest Channel			Limit (μ W/M Hz)
		Peak (Mhz)	Measu red Value (dbm)	Measu red Value (μ W/M Hz)	Peak (Mhz)	Measu red Value (dbm)	Measu red Value (μ W/M Hz)	Peak (Mhz)	Measu red Value (dbm)	Measu red Value (μ W/M Hz)	
NT/NV	30 to 1000	827.46 1	-51.390	0.007	721.29 5	-51.110	0.008	753.01 4	-51.600	0.007	0.25
NT/NV	1000 to 2387	2209.8 45	-38.810	0.132	2273.8 55	-38.410	0.144	2287.8 64	-37.650	0.172	2.5
NT/NV	2387 to 2400	2399.9 00	-29.480	1.127	2399.3 41	-33.130	0.486	2394.4 21	-38.670	0.136	25
NT/NV	2483.5 to 2496.5	2492.2 97	-38.370	0.146	2491.5 32	-37.860	0.164	2483.7 04	-37.150	0.193	25
NT/NV	2496.5 to 12500	4804.0 60	-33.000	0.501	5952.9 60	-32.640	0.545	6142.0 30	-33.610	0.436	2.5
Result:PASS											

π /4DQPSK_2-DH5

Condi on	Freque ncy Range	Lowest Channel			Middle Channel			Highest Channel			Limit (μ W/M Hz)
		Peak (Mhz)	Measu red Value (dbm)	Measu red Value (μ W/M Hz)	Peak (Mhz)	Measu red Value (dbm)	Measu red Value (μ W/M Hz)	Peak (Mhz)	Measu red Value (dbm)	Measu red Value (μ W/M Hz)	
NT/NV	30 to 1000	917.76 8	-51.590	0.007	971.21 5	-51.000	0.008	800.01 0	-50.960	0.008	0.25
NT/NV	1000 to 2387	2360.2 66	-39.120	0.122	2252.2 18	-38.790	0.132	2288.0 03	-39.000	0.126	2.5
NT/NV	2387 to 2400	2399.9 99	-25.480	2.831	2397.9 79	-37.700	0.17	2392.1 98	-38.530	0.14	25
NT/NV	2483.5 to 2496.5	2494.6 99	-38.270	0.149	2489.0 74	-37.570	0.175	2483.9 91	-37.980	0.159	25
NT/NV	2496.5 to 12500	6184.0 40	-32.290	0.59	6973.3 20	-32.620	0.547	6980.8 20	-32.940	0.508	2.5
Result:PASS											

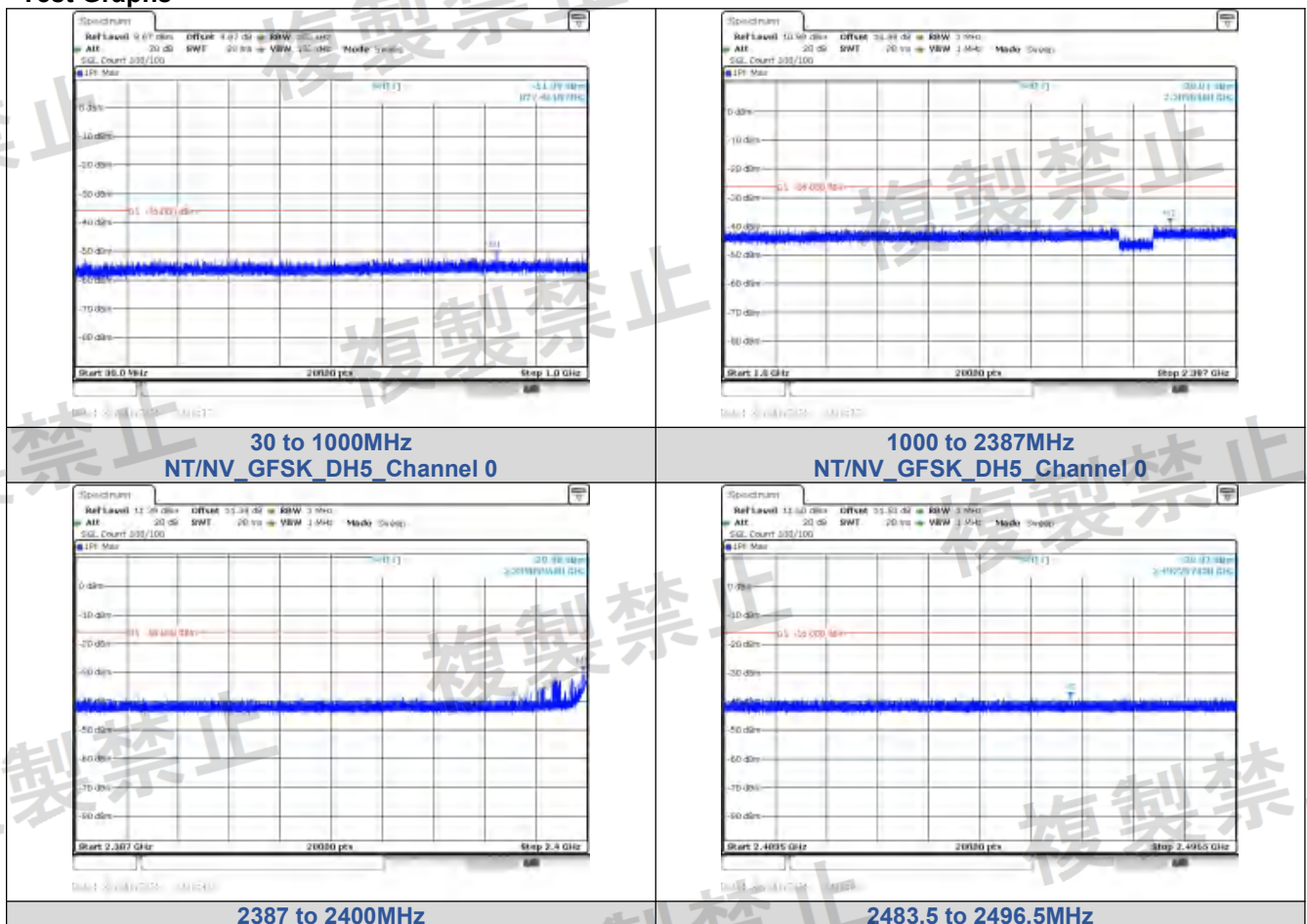
8DPSK_3-DH5

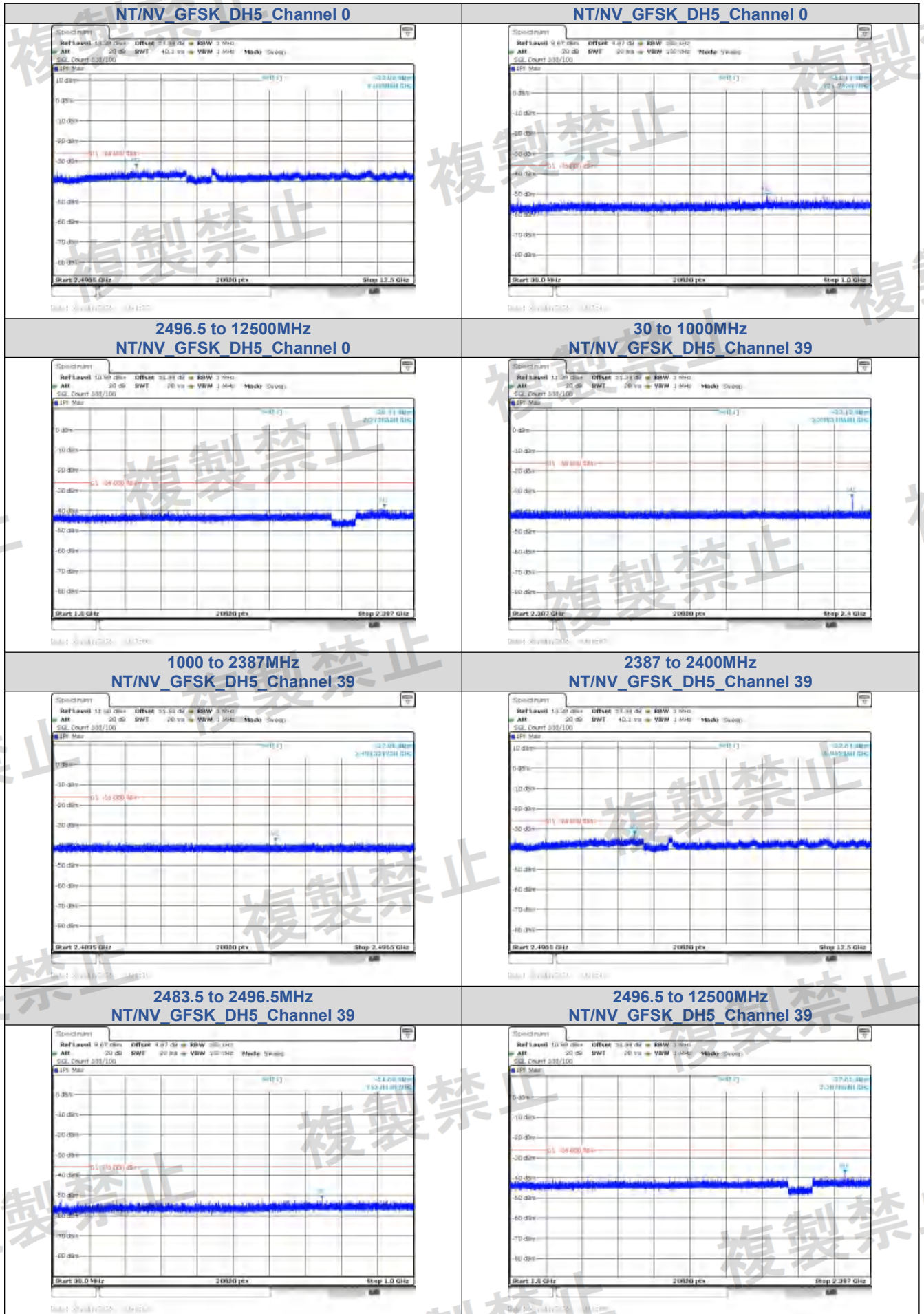
Condi on	Freque ncy Range	Lowest Channel			Middle Channel			Highest Channel			Limit (μ W/M Hz)
		Peak (Mhz)	Measu red Value (dbm)	Measu red Value (μ W/M Hz)	Peak (Mhz)	Measu red Value (dbm)	Measu red Value (μ W/M Hz)	Peak (Mhz)	Measu red Value (dbm)	Measu red Value (μ W/M Hz)	
NT/NV	30 to 1000	747.63 0	-51.200	0.008	942.84 3	-51.640	0.007	50.006	-51.780	0.007	0.25
NT/NV	1000 to 2387	2002.4 20	-38.610	0.138	2285.1 60	-37.780	0.167	2287.7 25	-37.860	0.164	2.5
NT/NV	2387 to 2400	2399.9 98	-25.000	3.162	2399.1 77	-31.260	0.748	2397.7 37	-37.560	0.175	25
NT/NV	2483.5 to 2496.5	2496.1 87	-38.220	0.151	2484.3 90	-37.930	0.161	2483.5 08	-33.290	0.469	25
NT/NV	2496.5 to 12500	6140.5 20	-32.850	0.519	6994.8 20	-32.630	0.546	6917.3 00	-33.320	0.466	2.5
Result:PASS											

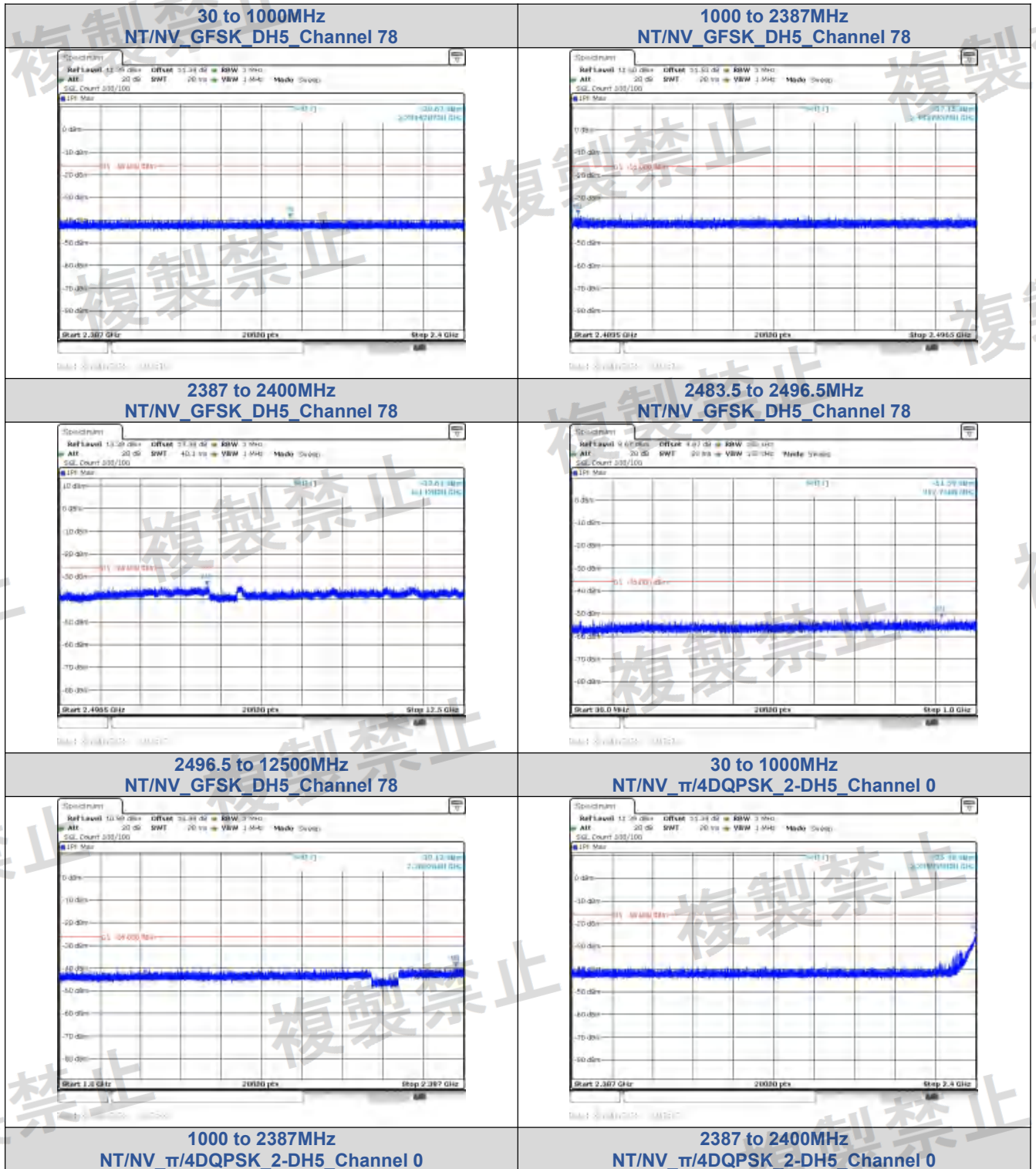
Hopping

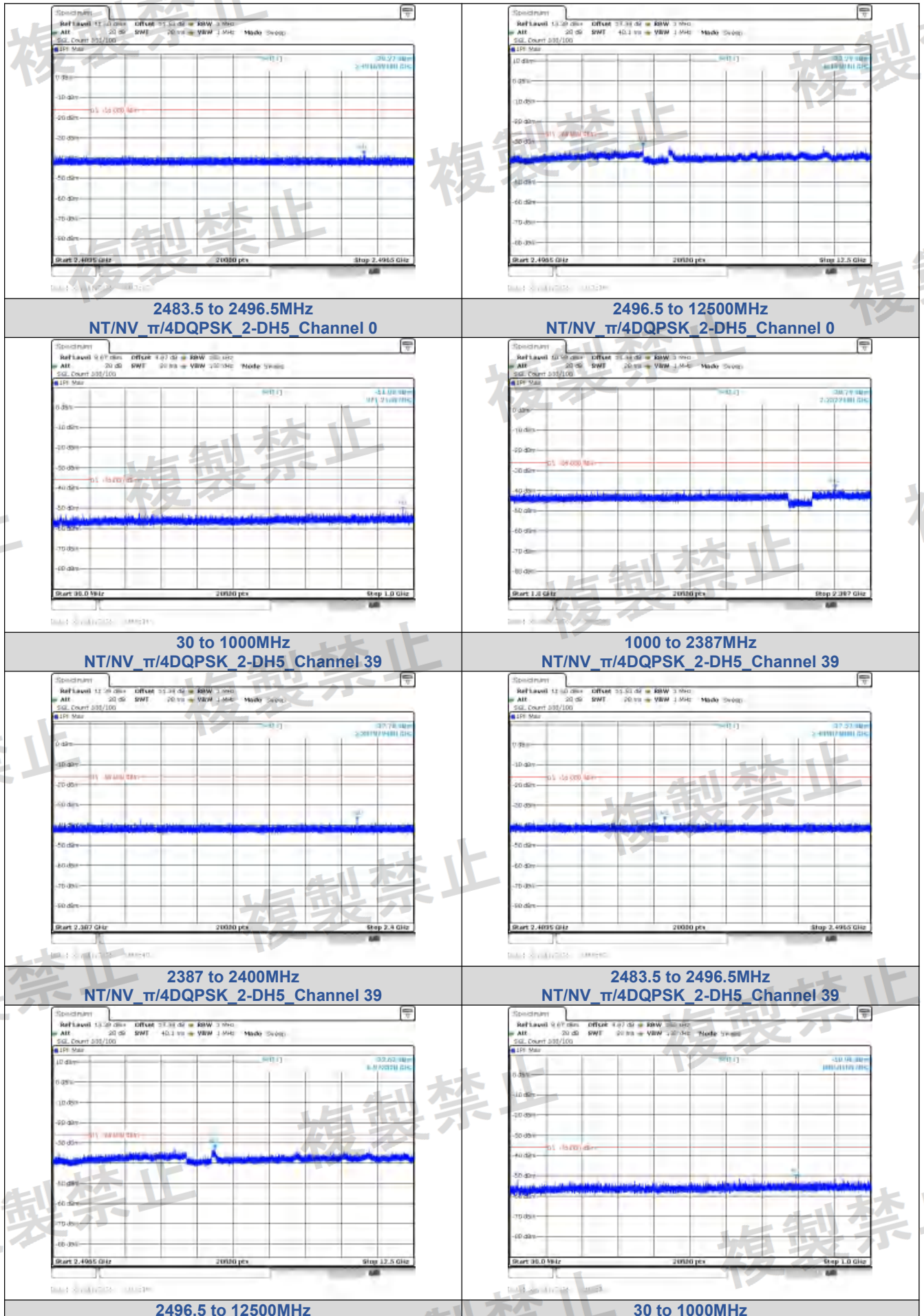
Mode	Ch.	Range	Peak (MHz)	Emission (dBm)	Limit	Margin (dBm)	Result
GFSK_DH5	Hopping	30 to 1000	721.295	-51.11	-36	-15.11	PASS
GFSK_DH5	Hopping	1000 to 2387	2273.855	-38.41	-26	-12.41	PASS
GFSK_DH5	Hopping	2387 to 2400	2399.34058	-33.13	-16	-17.13	PASS
GFSK_DH5	Hopping	2483.5 to 2496.5	2491.53173	-37.86	-16	-21.86	PASS
GFSK_DH5	Hopping	2496.5 to 12500	5952.96	-32.64	-26	-6.64	PASS
$\pi/4$ DQPSK_2-DH5	Hopping	30 to 1000	971.215	-51.0	-36	-15.0	PASS
$\pi/4$ DQPSK_2-DH5	Hopping	1000 to 2387	2252.218	-38.79	-26	-12.79	PASS
$\pi/4$ DQPSK_2-DH5	Hopping	2387 to 2400	2397.97948	-37.7	-16	-21.7	PASS
$\pi/4$ DQPSK_2-DH5	Hopping	2483.5 to 2496.5	2489.07408	-37.57	-16	-21.57	PASS
$\pi/4$ DQPSK_2-DH5	Hopping	2496.5 to 12500	6973.32	-32.62	-26	-6.62	PASS
8DPSK_3-DH5	Hopping	30 to 1000	942.843	-51.64	-36	-15.64	PASS
8DPSK_3-DH5	Hopping	1000 to 2387	2285.16	-37.78	-26	-11.78	PASS
8DPSK_3-DH5	Hopping	2387 to 2400	2399.17678	-31.26	-16	-15.26	PASS
8DPSK_3-DH5	Hopping	2483.5 to 2496.5	2484.39018	-37.93	-16	-21.93	PASS
8DPSK_3-DH5	Hopping	2496.5 to 12500	6994.82	-32.63	-26	-6.63	PASS

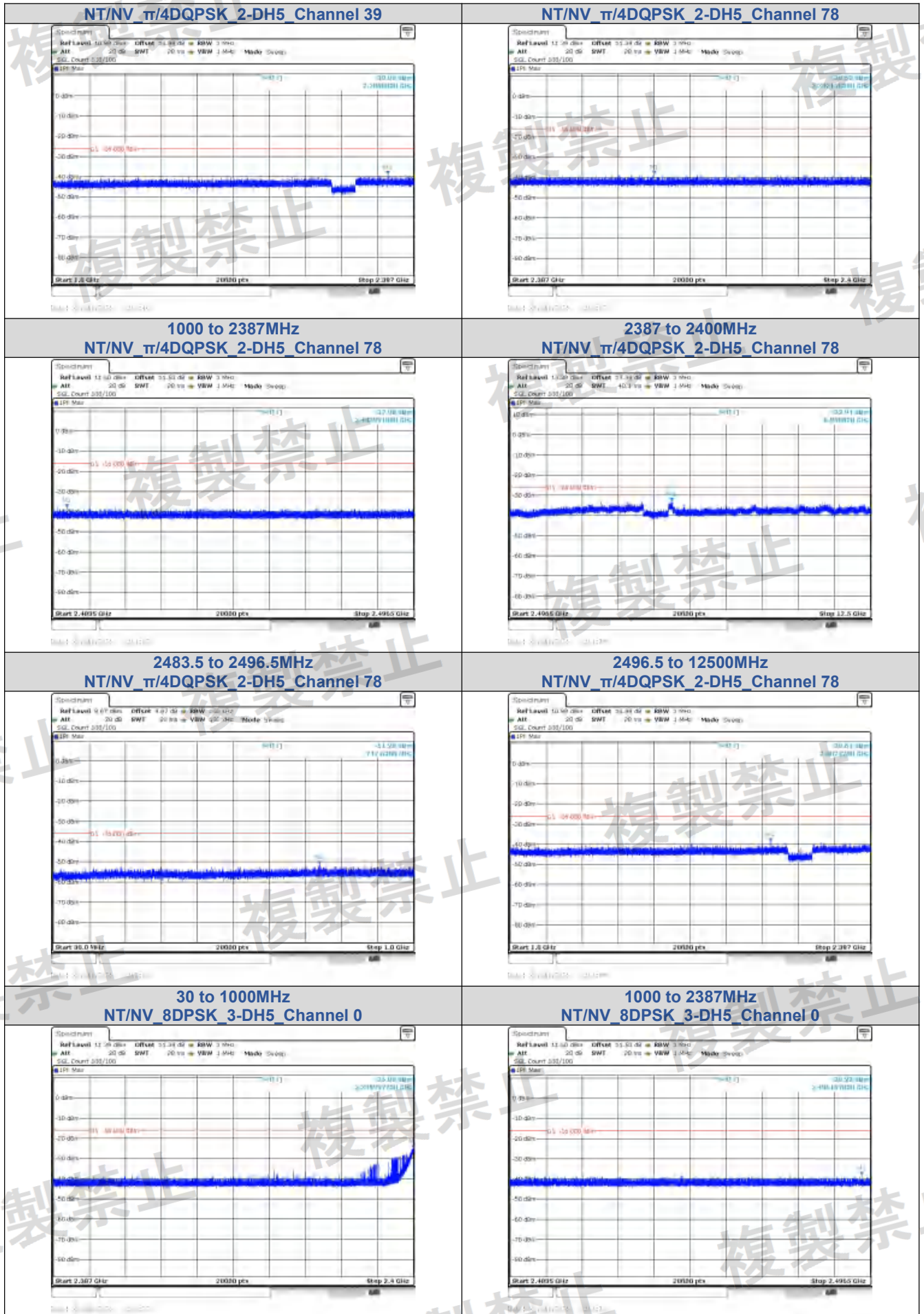
Test Graphs

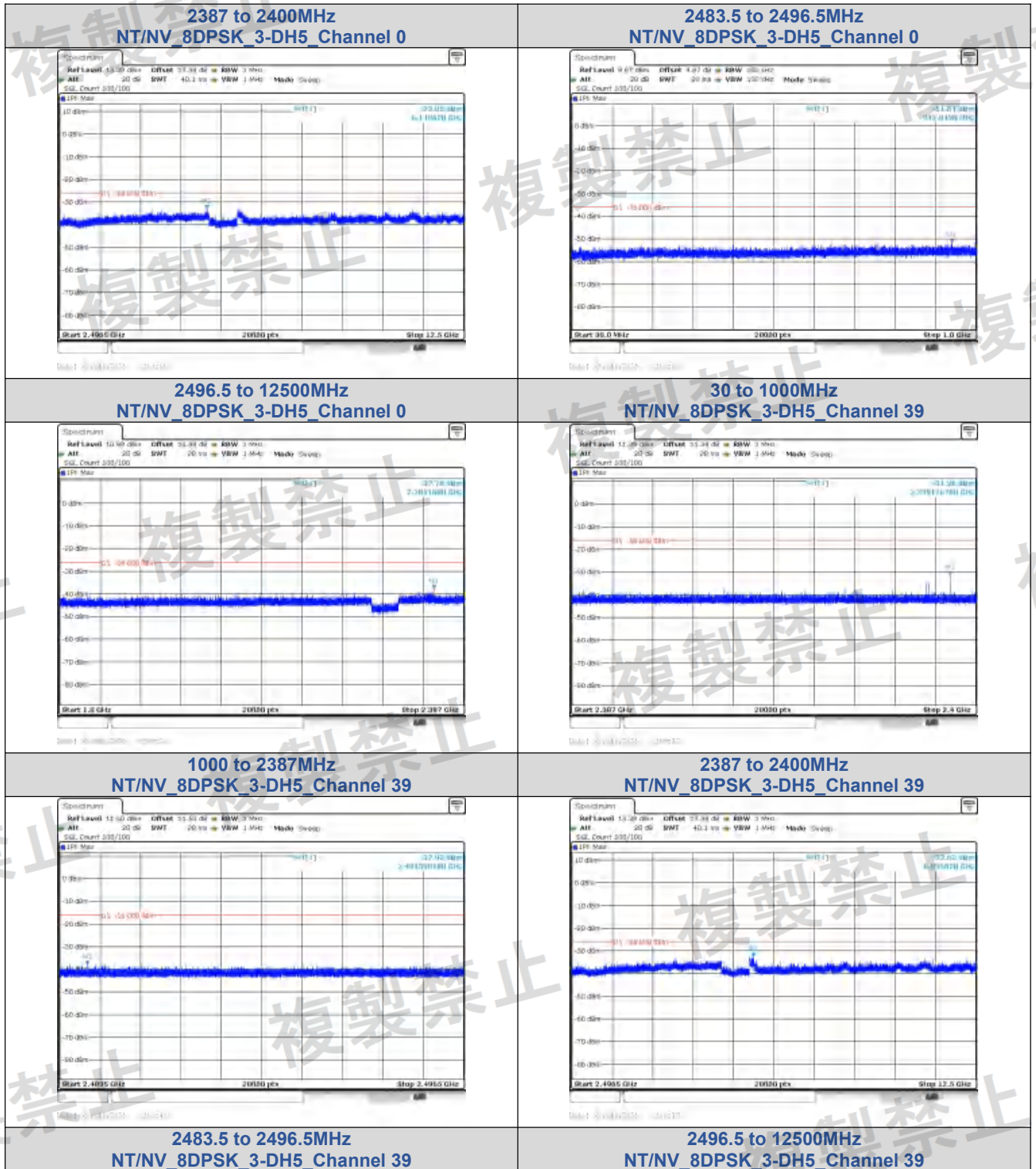


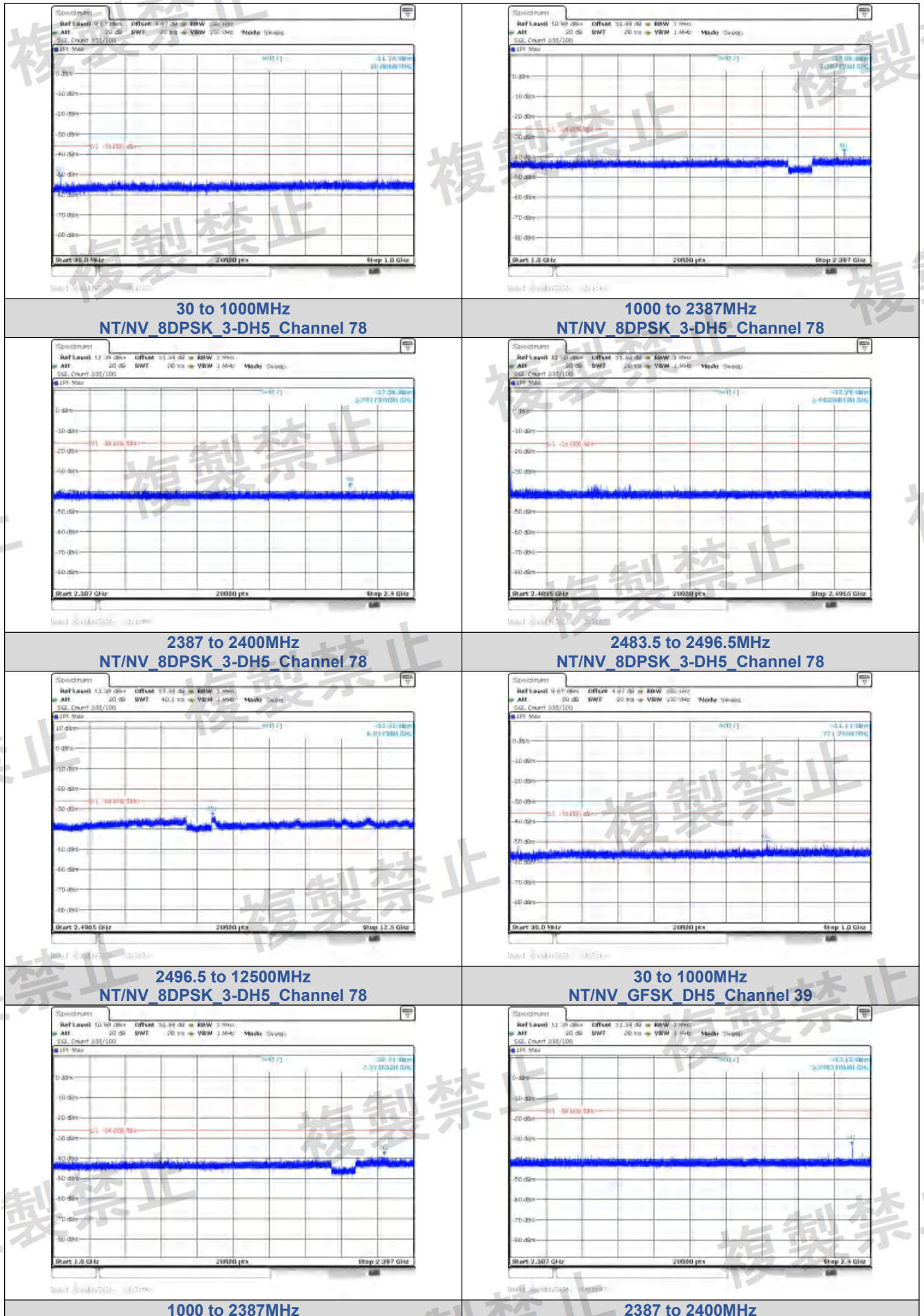


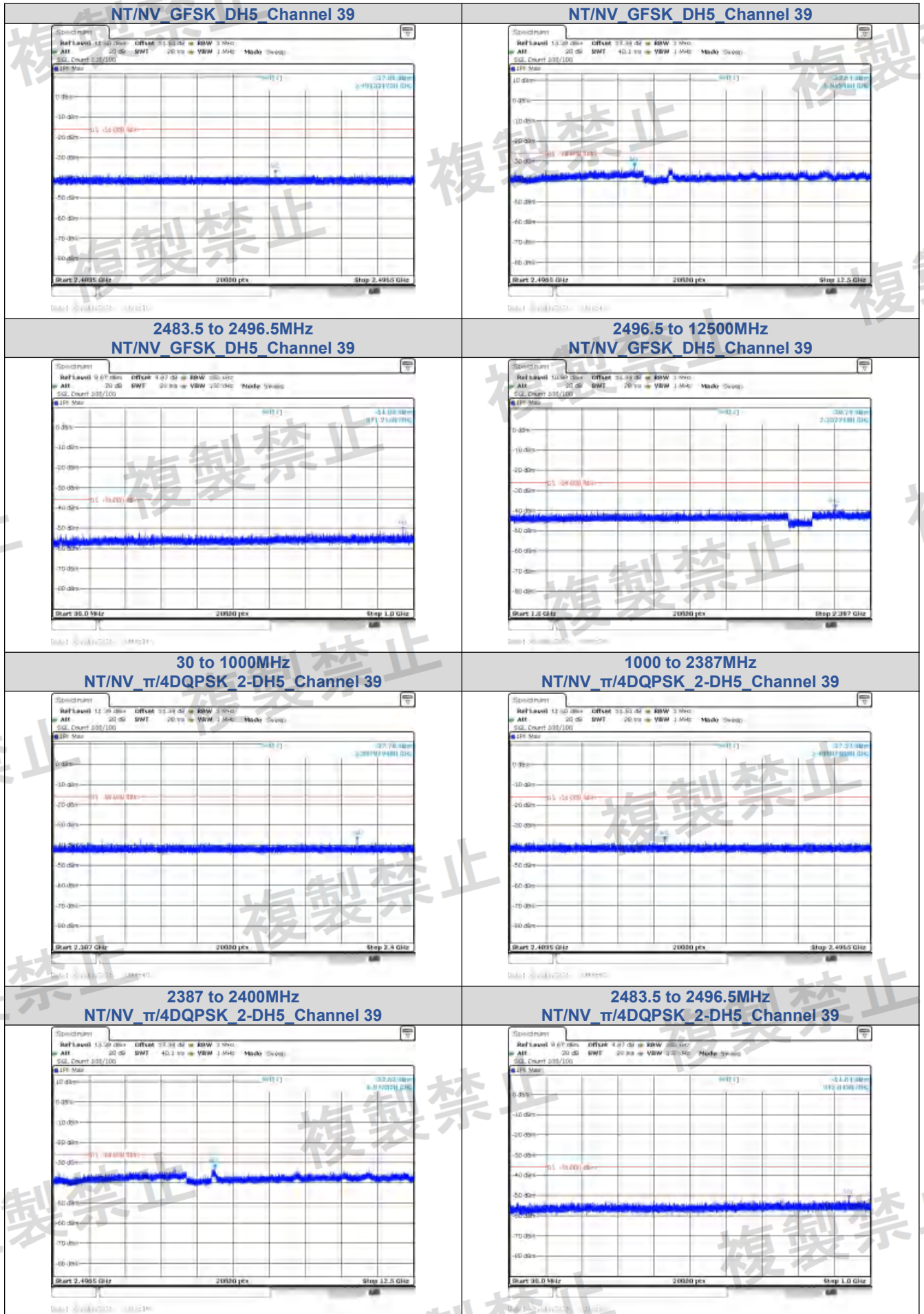


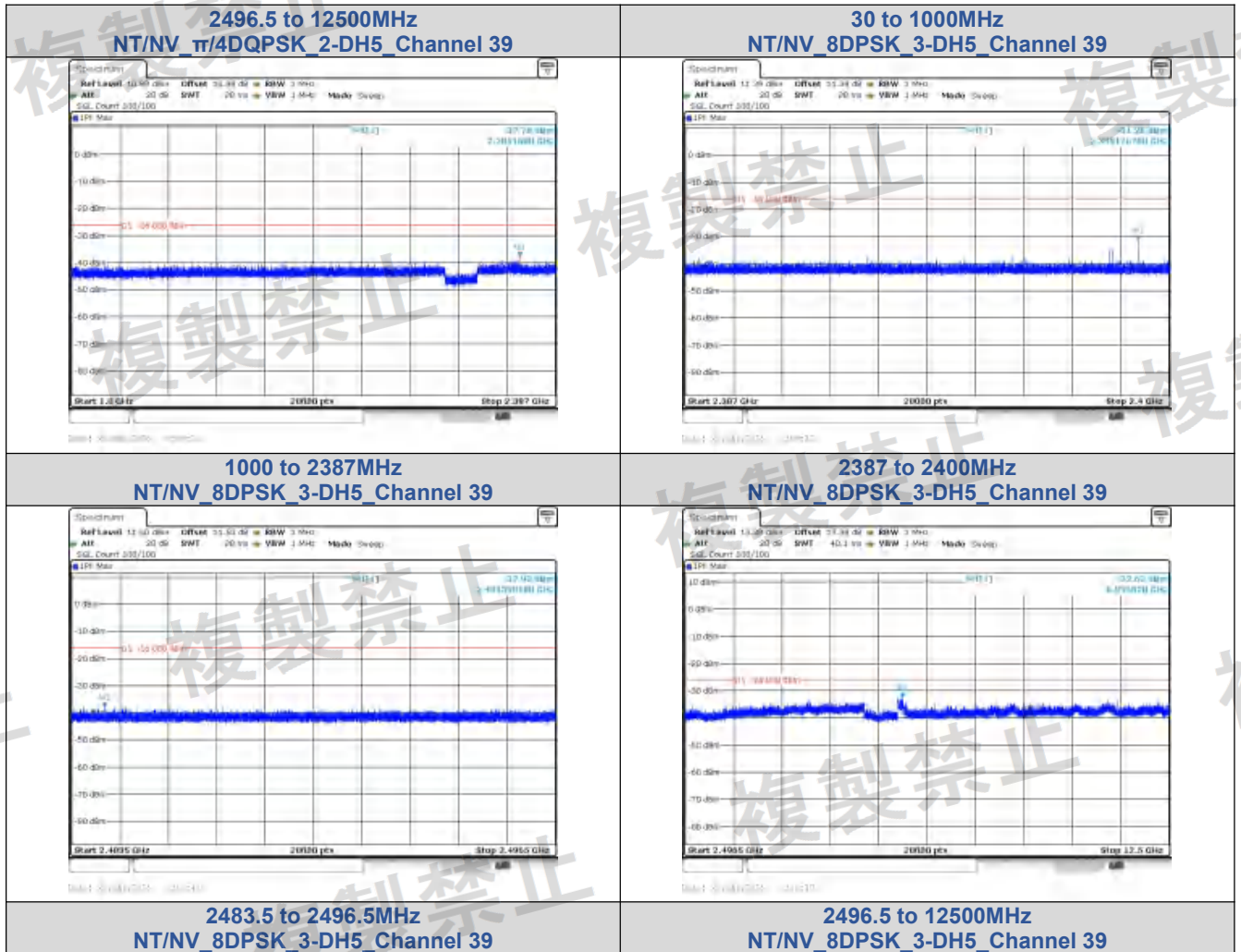












8.7 Spurious Emissions of Receiver

Test Result

Normal mode_GFSK_DH5

Condi on	Freque ncy Range (MHz)	Lowest Channel			Middle Channel			Highest Channel			Limit (nW/M Hz)
		Peak (Mhz)	Measu red Value (dbm)	Measu red Value (nW/M Hz)	Peak (Mhz)	Measu red Value (dbm)	Measu red Value (nW/M Hz)	Peak (Mhz)	Measu red Value (dbm)	Measu red Value (nW/M Hz)	
NT/NV	30 to 1000	50.025	-58.630	1.371	50.025	-58.630	1.371	50.025	-58.850	1.303	4
NT/NV	1000 to 12500	6996.675	-53.322	4.654	2446.892	-63.190	0.48	5635.075	-53.288	4.69	20
Result:PASS											

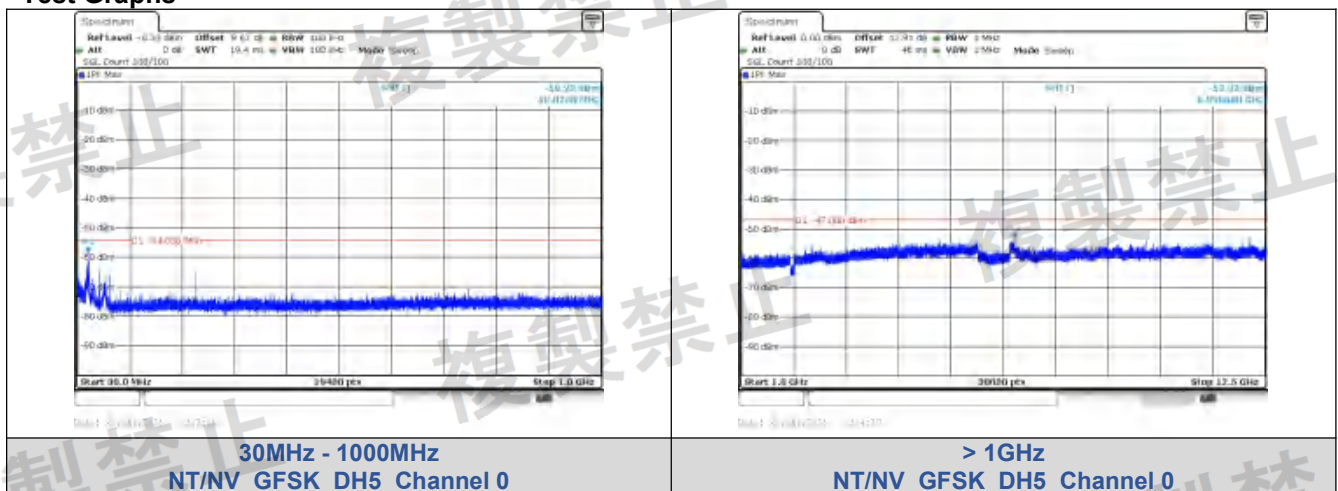
Normal mode_π/4DQPSK_2-DH5

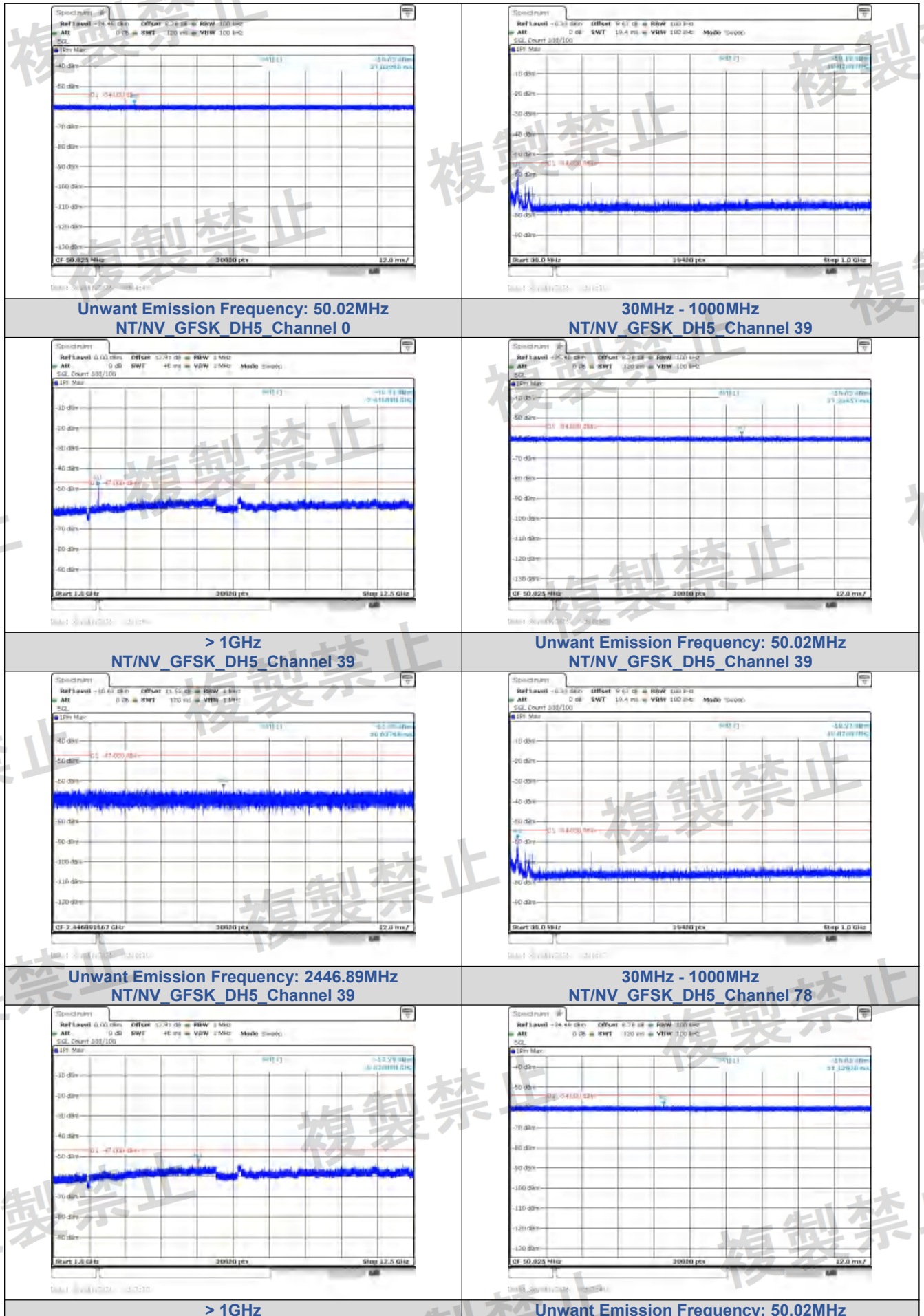
Condi on	Freque ncy Range (MHz)	Lowest Channel			Middle Channel			Highest Channel			Limit (nW/M Hz)
		Peak (Mhz)	Measu red Value (dbm)	Measu red Value (nW/M Hz)	Peak (Mhz)	Measu red Value (dbm)	Measu red Value (nW/M Hz)	Peak (Mhz)	Measu red Value (dbm)	Measu red Value (nW/M Hz)	
NT/NV	30 to 1000	50.025	-58.490	1.416	50.025	-58.360	1.459	826.425	-70.080	0.098	4
NT/NV	1000 to 12500	11234.425	-53.346	4.628	6974.825	-54.022	3.961	6957.575	-53.991	3.989	20
Result:PASS											

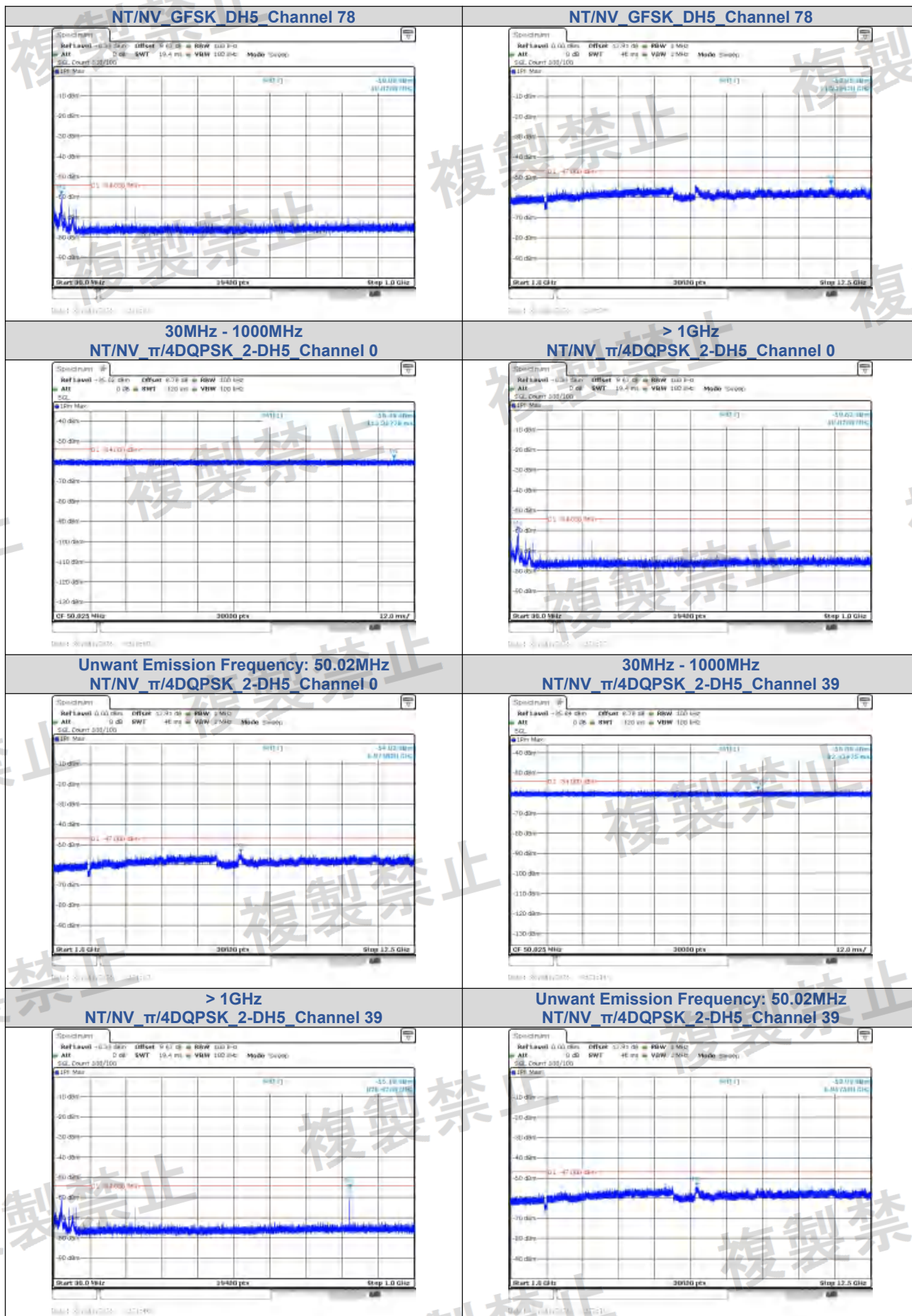
Normal mode_8DPSK_3-DH5

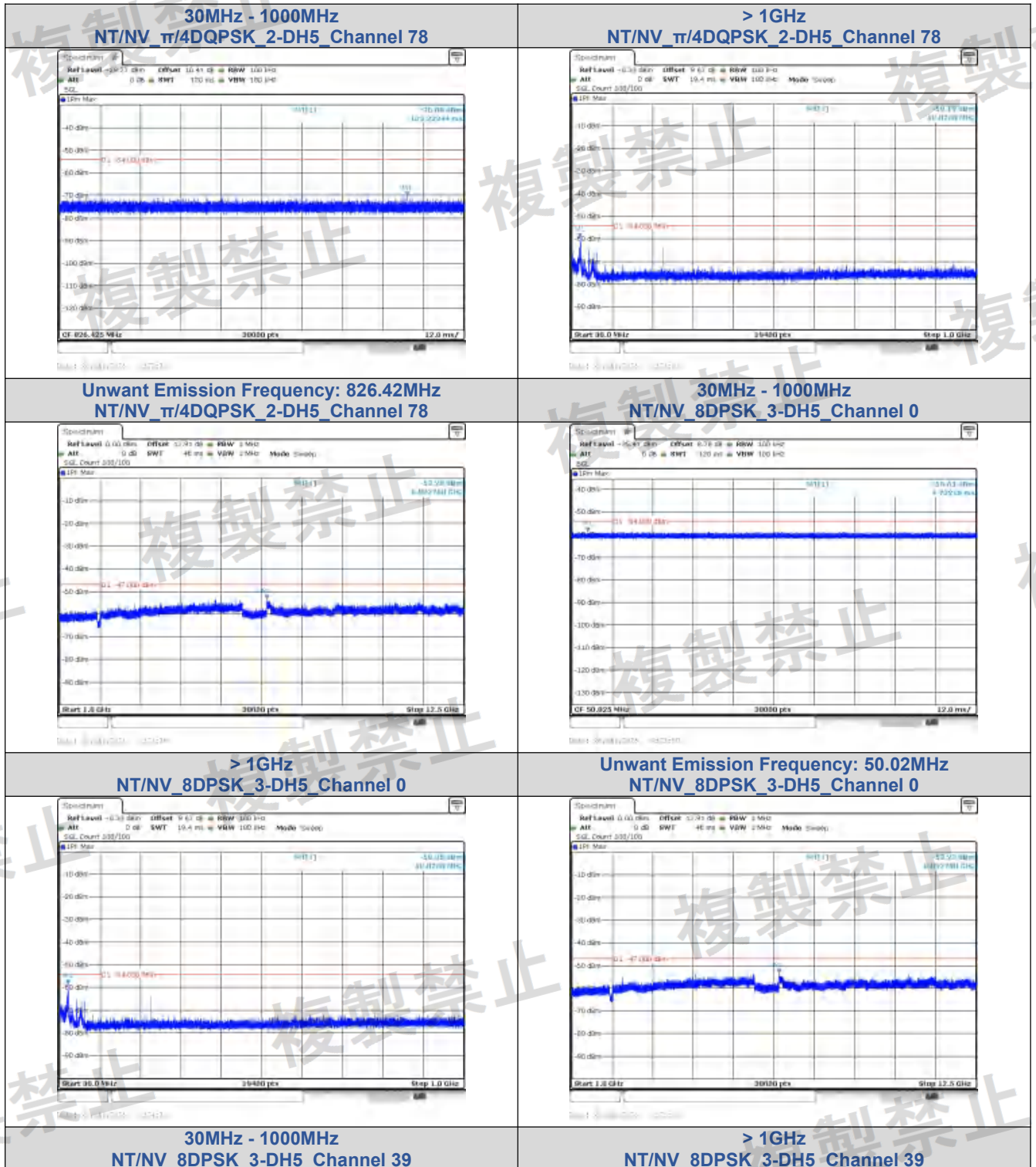
Condi on	Freque ncy Range (MHz)	Lowest Channel			Middle Channel			Highest Channel			Limit (nW/M Hz)
		Peak (Mhz)	Measu red Value (dbm)	Measu red Value (nW/M Hz)	Peak (Mhz)	Measu red Value (dbm)	Measu red Value (nW/M Hz)	Peak (Mhz)	Measu red Value (dbm)	Measu red Value (nW/M Hz)	
NT/NV	30 to 1000	50.025	-58.610	1.377	50.025	-57.940	1.607	50.025	-58.320	1.472	4
NT/NV	1000 to 12500	6902.758	-53.198	4.789	6892.792	-53.233	4.75	6949.908	-53.964	4.014	20
Result:PASS											

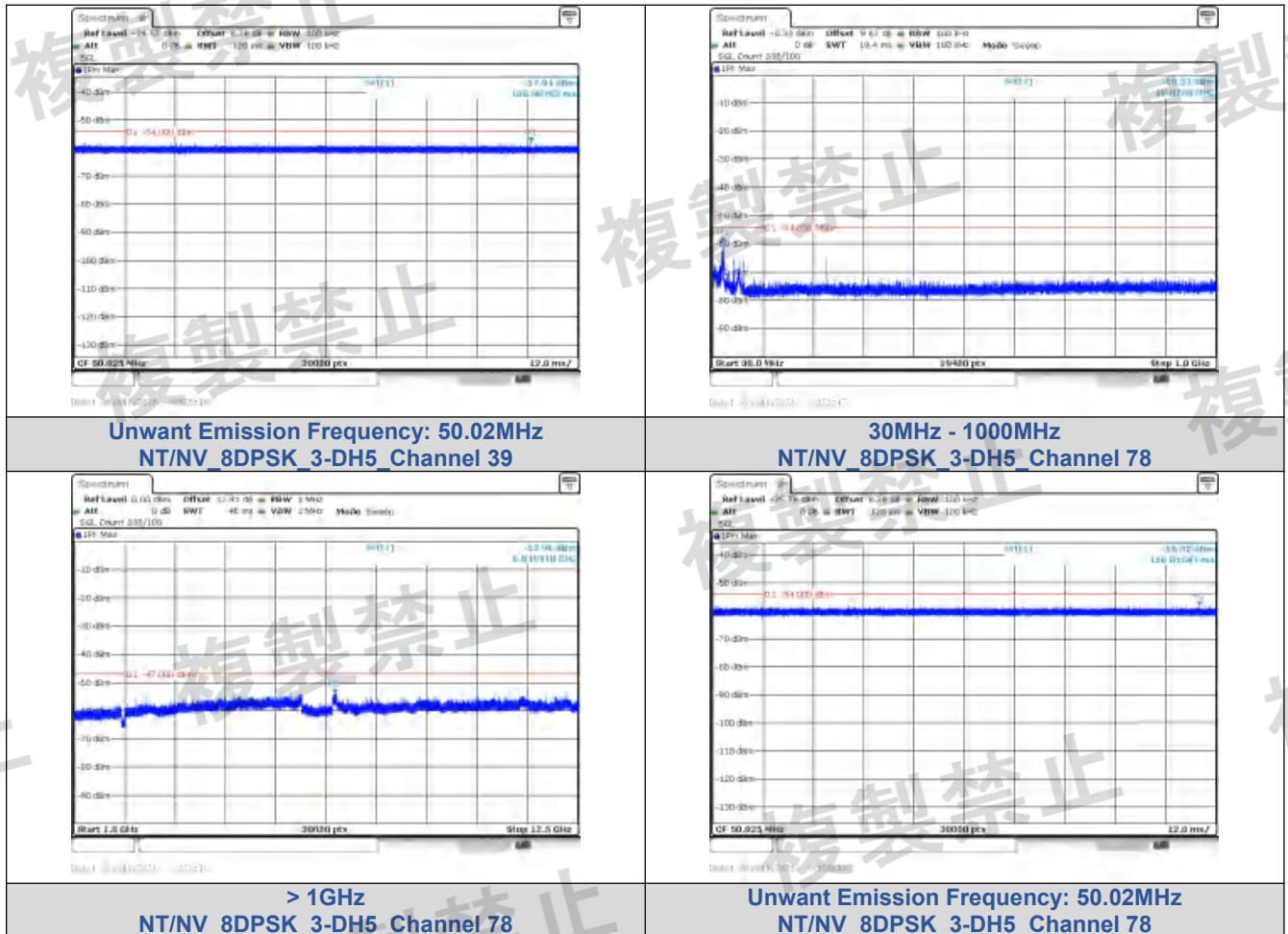
Test Graphs











-----End of the report-----