

TEST REPORT

Reference No...... : WTX26X06173691W001
Applicant : LinkJapan Inc.
Address : 3F, Daiyon Tamachi Building, 2-17-12 Shibaura, Minato-ku, Tokyo, Japan
Manufacturer : Hangzhou BroadLink Technology Co., Ltd.
Address : Building C, 57 Jiang'er Road, Binjiang Hangzhou Zhejiang 310052 China
Product Name : Link LAN
Model No...... : lan-hub
Standards : Item 19 of Article 2 Paragraph 1
Date of Receipt sample : 2026-06-22
Date of Test..... : 2026-06-22 to 2026-06-27
Date of Issue : 2026-07-06
Test Report Form No...... : WTX_Item 19_2_1W
Test Result..... : Pass

Remarks:

The results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of compiler and approver.

Prepared By:

Waltek Testing Group (Shenzhen) Co., Ltd.

Address: 1/F., Room 101, Building 1, Hongwei Industrial Park, Liuxian 2nd Road,
Block 70 Bao'an District, Shenzhen, Guangdong, China
Tel.: +86-755-33663308 Fax.: +86-755-33663309 Email: sem@waltek.com.cn

Tested by:

Approved by:

Tris Li

Jason Su

Tris Li/Project Engineer

Jason Su/Manager

TABLE OF CONTENTS

1. GENERAL INFORMATION	5
1.1 PRODUCT DESCRIPTION FOR EQUIPMENT UNDER TEST (EUT)	5
1.2 TEST STANDARDS	7
1.3 TEST METHODOLOGY	7
1.4 TEST FACILITY	7
1.5 EUT SETUP AND TEST MODE	8
1.6 TEST CONDITIONS	9
1.7 MEASUREMENT UNCERTAINTY	10
1.8 TEST EQUIPMENT LIST AND DETAILS	11
1.9 CALIBRATION INFORMATION	12
2. SUMMARY OF TEST RESULTS	13
3. RF OUTPUT POWER	14
3.1 STANDARD APPLICABLE	14
3.2 TEST SETUP BLOCK DIAGRAM	14
3.3 TEST PROCEDURE	14
3.4 SUMMARY OF TEST RESULTS/PLOTS	14
4. FREQUENCY TOLERANCE	15
4.1 STANDARD APPLICABLE	15
4.2 TEST SETUP BLOCK DIAGRAM	15
4.3 TEST PROCEDURE	15
4.4 SUMMARY OF TEST RESULTS/PLOTS	15
5. OCCUPIED BANDWIDTH/SPREADING BANDWIDTH/SPREAD FACTOR	16
5.1 STANDARD APPLICABLE	16
5.2 TEST SETUP BLOCK DIAGRAM	16
5.3 TEST PROCEDURE	16
5.4 SUMMARY OF TEST RESULTS/PLOTS	17
6. TRANSMITTER SPURIOUS EMISSIONS	18
6.1 STANDARD APPLICABLE	18
6.2 TEST SETUP BLOCK DIAGRAM	18
6.3 TEST PROCEDURE	18
6.4 SUMMARY OF TEST RESULTS/PLOTS	19
7. RECEIVER SPURIOUS EMISSIONS	20
7.1 STANDARD APPLICABLE	20
7.2 TEST SETUP BLOCK DIAGRAM	20
7.3 TEST PROCEDURE	20
7.4 SUMMARY OF TEST RESULTS/PLOTS	20
8. CARRIER SENSING FUNCTION	21
8.1 STANDARD APPLICABLE	21
8.2 TEST SETUP BLOCK DIAGRAM	21
8.3 TEST PROCEDURE	21
8.4 SUMMARY OF TEST RESULTS/PLOTS	21
9. INTERFERENCE PREVENTION FUNCTION	22
9.1 STANDARD APPLICABLE	22
9.2 TEST SETUP BLOCK DIAGRAM	22
9.3 TEST PROCEDURE	22
9.4 SUMMARY OF TEST RESULTS/PLOTS	22
APPENDIX SUMMARY	23
APPENDIX A	24
APPENDIX B	25
APPENDIX C	30
APPENDIX D	39

APPENDIX E 61

APPENDIX F 64

APPENDIX G 65

APPENDIX PHOTOGRAPHS.....66

Version No.	Date of issue	Description
Rev.00	2026-07-06	Original
/	/	/

1. GENERAL INFORMATION

1.1 Product Description for Equipment Under Test (EUT)

General Description of EUT	
Product Name:	Link LAN
Trade Name:	/
Model No.:	lan-hub
Adding Model(s):	/
Rated Voltage:	DC 5V
Battery Capacity:	8000mAh
Power Adapter:	/
<i>Note: The sample information is provided by the customer.</i>	

Technical Characteristics of EUT	
Wi-Fi	
Support Standards:	802.11b, 802.11g, 802.11n-HT20/40
Frequency Range:	2412-2472MHz for 802.11b/g/n(HT20) 2422-2462MHz for 802.11n(HT40)
Rated Power:	7mW/MHz for 802.11b 2mW/MHz for 802.11g,n(HT20) 2mW/MHz for 802.11n(HT40)
Numbers of Channels:	13 for 802.11b/g/n(HT20), 9 for 802.11n(HT40)
Channel Separation:	5MHz
Modulation:	CCK, OFDM, QPSK, BPSK, 16QAM, 64QAM
Type of Emission:	G1D for 802.11b, G1D, D1D for 802.11g, 802.11n (HT20), 802.11n (HT40).
Type of Antenna:	External Antenna
Antenna Gain:	3.04dBi
<i>Note: 1: The Antenna Gain is provided by the customer and can affect the validity of results.</i>	
<i>2: The data provided by the customer and can affect the validity of results.</i>	
<i>Note: Number of carriers of OFDM: This device has more than 1 subcarrier in 1MHz, compliance with the requirement.</i>	

➤ Center Frequency of Each of Channel:

802.11b/g/n(HT20)		802.11n(HT40)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
01	2412	01	-
02	2417	02	-
03	2422	03	2422
04	2427	04	2427
05	2432	05	2432
06	2437	06	2437
07	2442	07	2442
08	2447	08	2447
09	2452	09	2452
10	2457	10	2457
11	2462	11	2462
12	2467		
13	2472		

1.2 Test Standards

The tests were performed according to following standards:

Article 2 paragraph 1 item 19: Low power data communications system in the 2.4GHz band.

MIC Notice No.88 Appendix No.43: Test Method for Radio Equipment specified in Article 2 paragraph 1 item 19 of Regulations for Certification

Maintenance of compliance is the responsibility of the manufacturer. Any modification of the product, which result in lowering the emission, should be checked to ensure compliance has been maintained.

1.3 Test Methodology

All measurements contained in this report were conducted with test method for radio equipment specified in MIC public notice 88:2004, annex 43 for certification.

1.4 Test Facility

FCC – Registration No.: 125990

Waltek Testing Group (Shenzhen) Co., Ltd. Laboratory has been recognized to perform compliance testing on equipment subject to the Commissions Declaration Of Conformity (DOC). The Designation Number is CN5010, and Test Firm Registration Number is 125990.

Industry Canada (IC) Registration No.: 11464A

The 3m Semi-anechoic chamber of Waltek Testing Group (Shenzhen) Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 11464A.

1.5 EUT Setup and Test Mode

The EUT was operated in the engineering mode to fix the Tx/Rx frequency that was for the purpose of the measurements. All testing shall be performed under maximum output power condition, and to measure its highest possible emissions level, more detailed description as follows:

Test Mode List		
Test Mode	Description	Remark
TM1	(2.4GWifi)802.11b	2412MHz, 2442MHz, 2472MHz
TM2	(2.4GWifi)802.11g	2412MHz, 2442MHz, 2472MHz
TM3	(2.4GWifi)802.11n-HT20	2412MHz, 2442MHz, 2472MHz
TM4	(2.4GWifi)802.11n-HT40	2422MHz, 2442MHz, 2462MHz

Special Cable List and Details			
Cable Description	Length (m)	Shielded/Unshielded	With / Without Ferrite
/	/	/	/

Auxiliary Equipment List and Details			
Description	Manufacturer	Model	Serial Number
Notebook computer	honor	MagicBook 14	/

EUT Cable List and Details			
Cable Description	Length (m)	Shielded/Unshielded	With Core/Without Core
/	/	/	/

1.6 Test Conditions

Supply Voltage				
	EUT supply power V	module input power V	Rated module power V	Tolerance (%)
Normal	5.0	3.3	3.3	
+10%	5.5	3.3	3.3	
-10%	4.5	3.3	3.3	
Others				
Temperature (°C)		22~25 °C		
Relative humidity		50~55 %		
ATM Pressure:		1019 mbar		
Note 1: When the input voltage is reduced or increased by 10%, the regulator voltage changes of less than 1%. So the following test items are conducted in the normal voltage.				

1.7 Measurement Uncertainty

Measurement uncertainty		
Parameter	Conditions	Uncertainty
RF Output Power	9kHz-6GHz	$\pm 0.57\text{dB}$
Frequency Tolerance	9kHz-6GHz	$\pm 1 \times 10^{-7}$
Spreading Bandwidth	9kHz-6GHz	$\pm 3\%$
Occupied Bandwidth	9kHz-6GHz	$\pm 0.015\text{MHz}$
Transmitter Spurious Emissions	9kHz-25GHz	$\pm 2.76\text{dB}$
Radiated Spurious Emissions chamber A	@9kHz to 30MHz	$\pm 3.0\text{dB}$
	@30MHz to 1GHz	$\pm 5.70\text{dB}$
	@1GHz to 6GHz	$\pm 5.88\text{dB}$
	@6GHz to 18GHz	$\pm 5.96\text{dB}$
	@18GHz to 40GHz	$\pm 6.12\text{dB}$
Radiated Spurious Emissions chamber B	@30MHz to 1GHz	$\pm 5.36\text{dB}$
Radiated Spurious Emissions chamber C	@9kHz to 30MHz	$\pm 3.0\text{dB}$
	@30MHz to 1GHz	$\pm 5.28\text{dB}$
	@1GHz to 6GHz	$\pm 5.56\text{dB}$
	@6GHz to 18GHz	$\pm 5.72\text{dB}$
	@18GHz to 40GHz	$\pm 6.12\text{dB}$

1.8 Test Equipment List and Details

Description	Manufacturer	Model	Serial Number	Cal Date	Due Date
MXG Vector Signal Generator	Agilent	N5182A	MY47420108	2026-02-06	2027-02-05
Power Sensor	Keysight Technologies	U2021XA	MY55160007	2026-02-06	2027-02-05
Power Sensor	Agilent	U2021XA	MY54240001	2026-02-06	2027-02-05
MXA Signal Analyzer	Agilent	N9020A	US47140102	2026-03-25	2027-03-24
Signal Generator	Agilent	83752A	3610A01453	2026-02-06	2027-02-05
Spectrum Analyzer	Rohde & Schwarz	FSP30	836079/035	2026-02-05	2027-02-04
Spectrum Analyzer	Rohde & Schwarz	FSP40	1164.4391K38 Ser.100368	2026-04-29	2027-04-28
Universal Radio Communication Tester	Rohde & Schwarz	CMW500	1201.0002k 50-148650-FB	2026-03-25	2027-03-24
RF ATTENUATOR	FEIYANG	N-JK	/	2026-02-06	2027-02-05

Remark:

- (a) Calibration conducted by the National institute of information and communications Technology (NICT) in Japan (hereinafter referred to as "NICT") or a designated calibration agency under Article 102-18 paragraph in JRL.
- (b) Correction conducted pursuant to the provisions of Article 135 or Article 144 of the Measurement Act (Act No. 51 of 1992).
- (c) Calibration conducted in countries except Japan, which shall be equivalent to the calibration conducted by the NICT or a designated calibration agency under Article 102-18 paragraph (1).
- (d) Calibration, etc. conducted by using measuring instruments and other equipment listed in the right column of appended table No. 3, which shall have been given any type of calibration, etc. listed above from (a) to (c).

The calibration corresponds to c described above.

From JRL Article 24-2, paragraph 4, Item 2

Notice: calibration duration for above equipments is 1 year

Reference No.: WTX26X06173691W001

1.9 Calibration Information

GUANGZHOU LISAI METROLOGY & TEST CO.,LTD.

No.8.South Street Shi ji institute Guangzhou.Guangdong.China

2. SUMMARY OF TEST RESULTS

TELEC RULES	DESCRIPTION OF TEST	RESULT
Item 19	RF Output Power	Compliant
Item 19	Frequency Tolerance	Compliant
Item 19	Occupied Bandwidth/Spreading Bandwidth/Spread Factor	Compliant
Item 19	Transmitter Spurious Emissions	Compliant
Item 19	Receiver Spurious Emissions	Compliant
Item 19	Carrier Sensing Function	Compliant
Item 19	Interference Prevention Function	Compliant

N/A: not applicable.

3. RF OUTPUT POWER

3.1 Standard Applicable

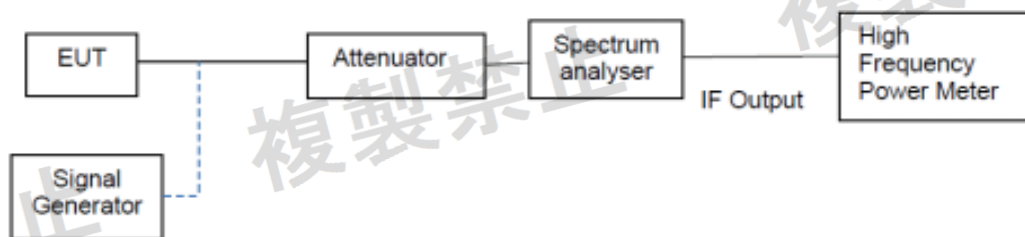
According to Item 19 of Article 2 Paragraph 1, the antenna power of the transmitter shall be one of the items below.

(1) The antenna power of the transmitting equipment which uses the frequency hopping method (including a combination of the frequency hopping method and direct spread method or a combination of the frequency hopping method and OFDM), and that uses emissions of a frequency from 2,427 MHz to 2,470.75 MHz shall provide a mean power within a bandwidth of 1 MHz of 3mW or less in the case of modulation using a standard coding test signal with the same transmission rate as that of the modulation signal.

(2) The antenna power of the transmitting equipment which uses OFDM or the spread spectrum method and does not conform to (1) above shall provide the mean power within a bandwidth of 1 MHz of 10 mW or less for the 20MHz system and 5 mW for the 40MHz system in the case of modulation using a standard coding test signal with the same transmission rate as that of the modulation signal.

(3) The antenna power of the transmitting equipment other than that stated in (1) and (2) above shall be 10 mW or less. and the maximum permit tolerance is +20%, no lower limit..

3.2 Test Setup Block Diagram



3.3 Test Procedure

Refer to Schedule 43: Wireless Equipment Test Methods published in Certification Regulations, Article 2-1(19)

3.4 Summary of Test Results/Plots

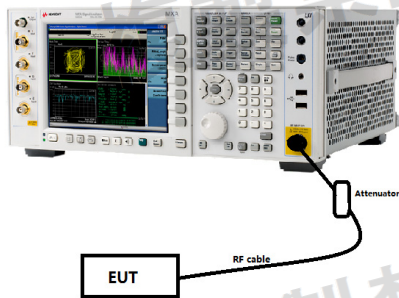
Please refer to Appendix A

4. FREQUENCY TOLERANCE

4.1 Standard Applicable

According to Item 19 of Article 2 Paragraph 1, the maximum permit tolerance of frequency is 50ppm.

4.2 Test Setup Block Diagram



4.3 Test Procedure

1. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.
2. Set center frequency of spectrum analyzer = operating frequency.
3. Set the spectrum analyzer as RBW, VBW=10KHz, Span = 1MHz.
- 4 'Maximum Hold' mode may be used to accumulate the measurement result over several scans provided emission is repetitive in nature.
5. Repeat above procedures until all frequency measured was complete.

4.4 Summary of Test Results/Plots

Please refer to Appendix B

5. OCCUPIED BANDWIDTH/Spreading Bandwidth/Spread Factor

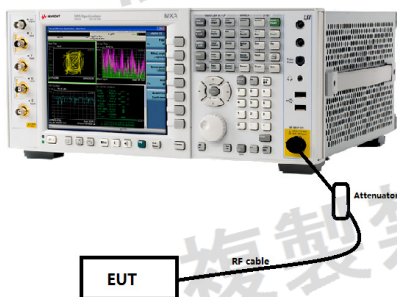
5.1 Standard Applicable

According to Item 19 of Article 2 Paragraph 1.

Occupied bandwidth: $FH \leq 83.5\text{MHz}$; $DS \leq 26\text{MHz}$; $OFDM \leq 38\text{MHz}$, Others $\leq 26\text{MHz}$

Spread Bandwidth: $\geq 500\text{kHz}$ (FH, DS), Spread factor > 5 .

5.2 Test Setup Block Diagram



5.3 Test Procedure

(1) Set up the spectrum analyzer as the follows:

Center frequency: Test frequency

Sweep bandwidth: 2 to 3.5 times of allowance

Resoluble bandwidth: less than 3% of allowance

Video bandwidth: Equivalent to resolvable bandwidth

Sweep time: Minimum time by which measuring accuracy is assured (In case of burst wave, 1 burst shall be contained per 1 sample)

Sampling points: More than 400 points

Sweep mode : Continuous sweeping

Detection mode: Positive peak

Display mode: Maximum holding

(2) Repeat the sweeping till no change was observed on the display and enter all values of data point to the computer as array variable.

(3) About all data, convert dB value to antilogarithm of electric power dimension.

(4) Add up the electric power of all data and record it as "Sum total of electric power".

(5) Adding up data in order from the lowest frequency to upper frequencies, look for a limit point where the value reaches to 0.5% (5% in case of diffusion bandwidth) of "Sum total of electric power". Convert the limit point to frequency and record as "Lowest limit frequency".

Reference No.: WTX26X06173691W001

(6) Adding up data in order from the highest frequency to lower frequencies, look for a limit point where the value reaches to 0.5% (5% in case of diffusion bandwidth) of “Sum total of electric power”. Convert the limit point to frequency and record as “Highest limit frequency”.

(7) Repeat above procedures until all frequency measured was complete.

(8) Spread Factor=Spread Bandwidth/modulation rate. The modulation rate: MR=1.375 for 802.11b, MR=1.5 for 802.11g/n20, MR=3 for 802.11n40.

5.4 Summary of Test Results/Plots

Please refer to Appendix C

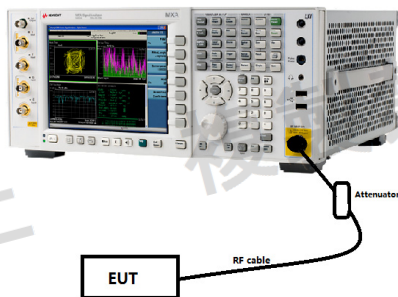
6. TRANSMITTER SPURIOUS EMISSIONS

6.1 Standard Applicable

According to Item 19 of Article 2 Paragraph 1. The transmitter spurious emissions shall not exceed the following limit:

- (1) Below 2387MHz : $2.5\mu\text{W}/\text{MHz}$
- (2) 2387 to 2400MHz : $25\mu\text{W}/\text{MHz}$
- (3) 2483.5 through 2496.5MHz : $25\mu\text{W}/\text{MHz}$
- (4) Over 2496.5MHz : $2.5\mu\text{W}/\text{MHz}$

6.2 Test Setup Block Diagram



6.3 Test Procedure

- (1) A spectrum in case of conducted measurements, the radio device shall be connected to the measuring equipment via a suitable attenuator.
- (2) The measurement equipment shall be set for peak hold mode of operation.
- (3) the transmitter shall be operated at the highest output power, or, in the case of equipment able to operate at more than one power level, at the lowest and highest output powers;
- (4) The resolution bandwidth shall be set to 100kHz from 10MHz to 1GHz, the resolution bandwidth shall be set to 1MHz above 1GHz, and the sweep time shall be set to auto mode, to ensure all major modulation products are captured.
- (5) When the searched result is less than the specified limit, the maximum one shall be recorded, when the result is more than the specified limit, all measured values shall be recorded.
- (5) This measurement shall be repeated with the transmitter in standby mode where applicable.

Reference No.: WTX26X06173691W001

(6) Repeat above procedures until all frequency measured was complete.

6.4 Summary of Test Results/Plots

Please refer to Appendix D

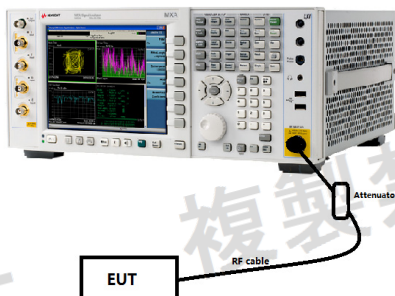
7. RECEIVER SPURIOUS EMISSIONS

7.1 Standard Applicable

According to Item 19 of Article 2 Paragraph 1. The receiver spurious emissions shall not exceeded the following limit:

- (1) Below 1GHz : 4nW
- (2) 1GHz or higher : 20nW

7.2 Test Setup Block Diagram



7.3 Test Procedure

- (1) A spectrumIn case of conducted measurements, the radio device shall be connected to the measuring equipment via a suitable attenuator.
- (2) The measurement equipment shall be set for peak hold mode of operation.
- (3) the transmitter shall be operated at the receiving mode.
- (4) The resolution bandwidth shall be set to 100kHz from 10MHz to 1GHz, the resolution bandwidth shall be set to 1MHz above 1GHz , and the sweep time shall be set to auto mode, to ensure all major modulation products are captured.
- (5) When the searched result is less than the specified limit, the maximum one shall be recorded, when the result is more than the specified limit, all measured values shall be recorded.
- (5) This measurement shall be repeated with the transmitter in standby mode where applicable.
- (6) Repeat above procedures until all frequency measured was complete.

7.4 Summary of Test Results/Plots

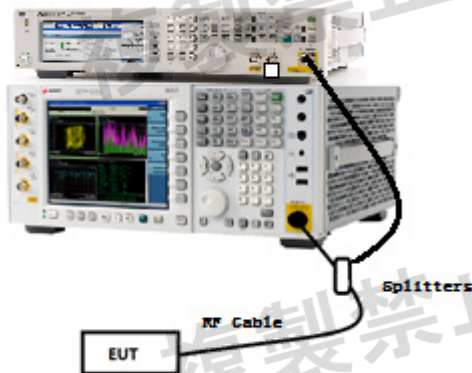
Please refer to Appendix E

8. CARRIER SENSING FUNCTION

8.1 Standard Applicable

According to Item 19 of Article 2 Paragraph 1. The device shall have the carrier sensing function.

8.2 Test Setup Block Diagram



8.3 Test Procedure

1. SG adjust the frequency as same as the EUT transmitted signal, unmodulation, power level $22.79 + Gr - 20\log(\text{freq_MHz}) \text{ dBm}$, Then turn off the RF signal
2. EUT have transmitted the maximum modulation signal and fixed channel
3. Setting of the SA following as RBW/VBW: 1/3MHz SPAN: 50MHz Sweep time: Auto continue PK
4. SG Signal on EUT shall be stop the transmitted, Then turn off the SG, The EUT shall be continuous transmitted signal.

8.4 Summary of Test Results/Plots

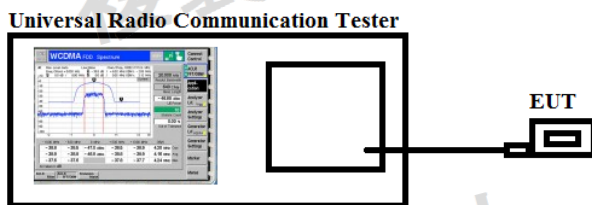
Please refer to Appendix F

9. INTERFERENCE PREVENTION FUNCTION

9.1 Standard Applicable

According to Item 19 of Article 2 Paragraph 1. The device shall have the function of automatic transmission or reception of identification code.

9.2 Test Setup Block Diagram



9.3 Test Procedure

1. Set the EUT in the usual operation condition
2. The radio equipment with automatic transmitting function of identification code
 - A. Transmit the assigned identification code from the radio equipment.
 - B. Confirm the identification code received by the demodulator.
3. The radio equipment with automatic receiving function of identification code
 - A. Transmit the assigned identification code from the opposite equipment.
 - B. Confirm that the usual communication is available.
 - C. Transmit the identification code distinct from the assigned one from the opposite equipment.
 - D. Confirm that the radio equipment is stopped or an indication is displayed as the identification code is different.
4. The identification function shall be recorded with "Good" or "No".

9.4 Summary of Test Results/Plots

Please refer to Appendix G

APPENDIX SUMMARY

Project No.	WTX26X06173691W001	Test Engineer	Timi Huang
Start date	2026/6/26	Finish date	2026/6/26
Temperature	25.2℃	Humidity	51%
RF specifications	WIFI-2.4G		

APPENDIX	Description of Test Item	Result
A	RF Output Power	Compliant
B	Frequency Tolerance	Compliant
C	Occupied Bandwidth/Spreading Bandwidth/Spread Factor	Compliant
D	Transmitter Spurious Emissions	Compliant
E	Receiver Spurious Emissions	Compliant
F	Carrier Sensing Function	Compliant
G	Interference Prevention Function	Compliant

APPENDIX A

RF OUTPUT POWER

➤ RF Output Power:

Test mode	Channel	Measure Value (dBm/MHz)	Limit (dBm/MHz)	Antenna Gain (dBi)	EIRP (dBm/MHz)	EIRP Limit (dBm/MHz)	Result
11b_11_Mbps	Low	8.52	10	3.04	11.56	12.14	Pass
	Middle	8.25	10	3.04	11.29	12.14	Pass
	High	8.37	10	3.04	11.41	12.14	Pass
11g_54_Mbps	Low	1.33	10	3.04	4.37	12.14	Pass
	Middle	0.96	10	3.04	4.00	12.14	Pass
	High	1.13	10	3.04	4.17	12.14	Pass
11n_HT20_MCS_7_Mbps	Low	1.02	10	3.04	4.06	12.14	Pass
	Middle	1.41	10	3.04	4.45	12.14	Pass
	High	1.37	10	3.04	4.41	12.14	Pass
11n_HT40_MCS_7_Mbps	Low	-2.19	6.989	3.04	0.85	9.129	Pass
	Middle	-2.61	6.989	3.04	0.43	9.129	Pass
	High	-1.69	6.989	3.04	1.35	9.129	Pass

All the EIRP is less than 12.14, the half-power beam width is not necessary

➤ RF Output Power Tolerance

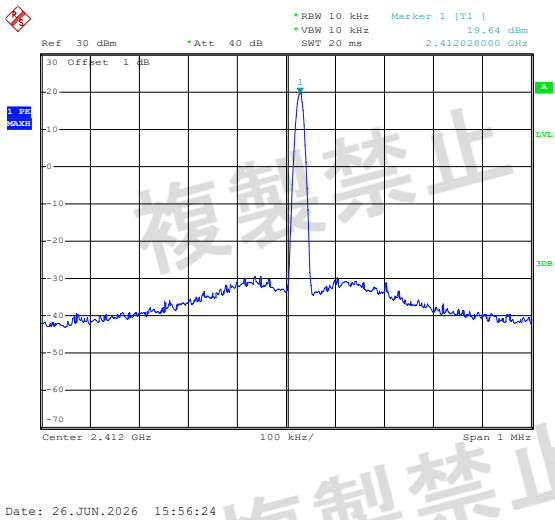
Test mode	Channel	Output Power (mW/MHz)	Rated Output Power(mW/MHz)	Tolerance (%)	Limit (%)	Result
11b_11_Mbps	Low	7.11	7	1.60	≤+20%	Pass
	Middle	6.68	7	-4.52	≤+20%	Pass
	High	6.87	7	-1.85	≤+20%	Pass
11g_54_Mbps	Low	1.36	2	-32.08	≤+20%	Pass
	Middle	1.25	2	-37.63	≤+20%	Pass
	High	1.30	2	-35.14	≤+20%	Pass
11n_HT20_MCS_7_Mbps	Low	1.26	2	-36.76	≤+20%	Pass
	Middle	1.38	2	-30.82	≤+20%	Pass
	High	1.37	2	-31.46	≤+20%	Pass
11n_HT40_MCS_7_Mbps	Low	0.60	2	-69.80	≤+20%	Pass
	Middle	0.55	2	-72.58	≤+20%	Pass
	High	0.68	2	-66.12	≤+20%	Pass

Note: Tolerance = (Output Power – Rated Output Power) / Rated Output Power * 100%

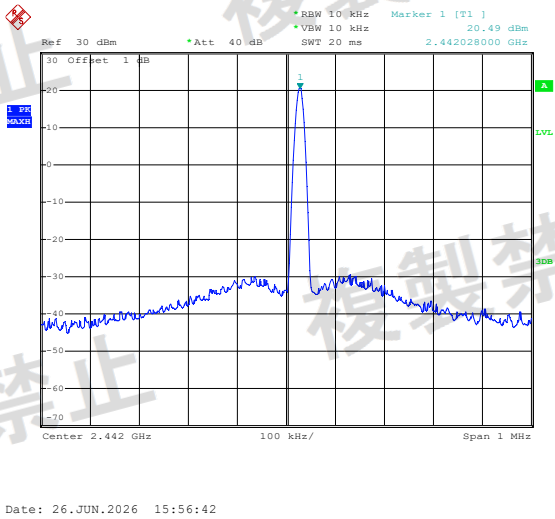
APPENDIX B**FREQUENCY TOLERANCE**

Test mode	Tx Frequency (MHz)	Reading Value (MHz)	Tolerance (ppm)	Limit (ppm)	Result
11b	2412	2412.028	+11.61	±50	Pass
	2442	2442.028	+11.47	±50	Pass
	2472	2472.028	+11.33	±50	Pass
11g	2412	2412.026	+10.78	±50	Pass
	2442	2442.028	+11.47	±50	Pass
	2472	2472.028	+11.33	±50	Pass
11n_HT20	2412	2412.026	+10.78	±50	Pass
	2442	2442.028	+11.47	±50	Pass
	2472	2472.028	+11.33	±50	Pass
11n_HT40	2422	2422.028	+11.56	±50	Pass
	2442	2442.028	+11.47	±50	Pass
	2462	2462.028	+11.37	±50	Pass

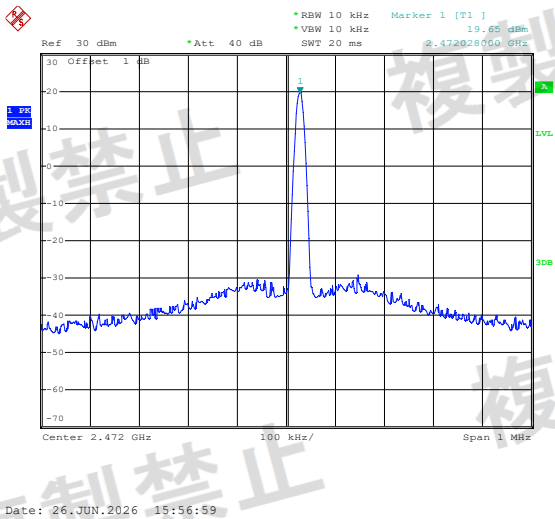
802.11b-Low

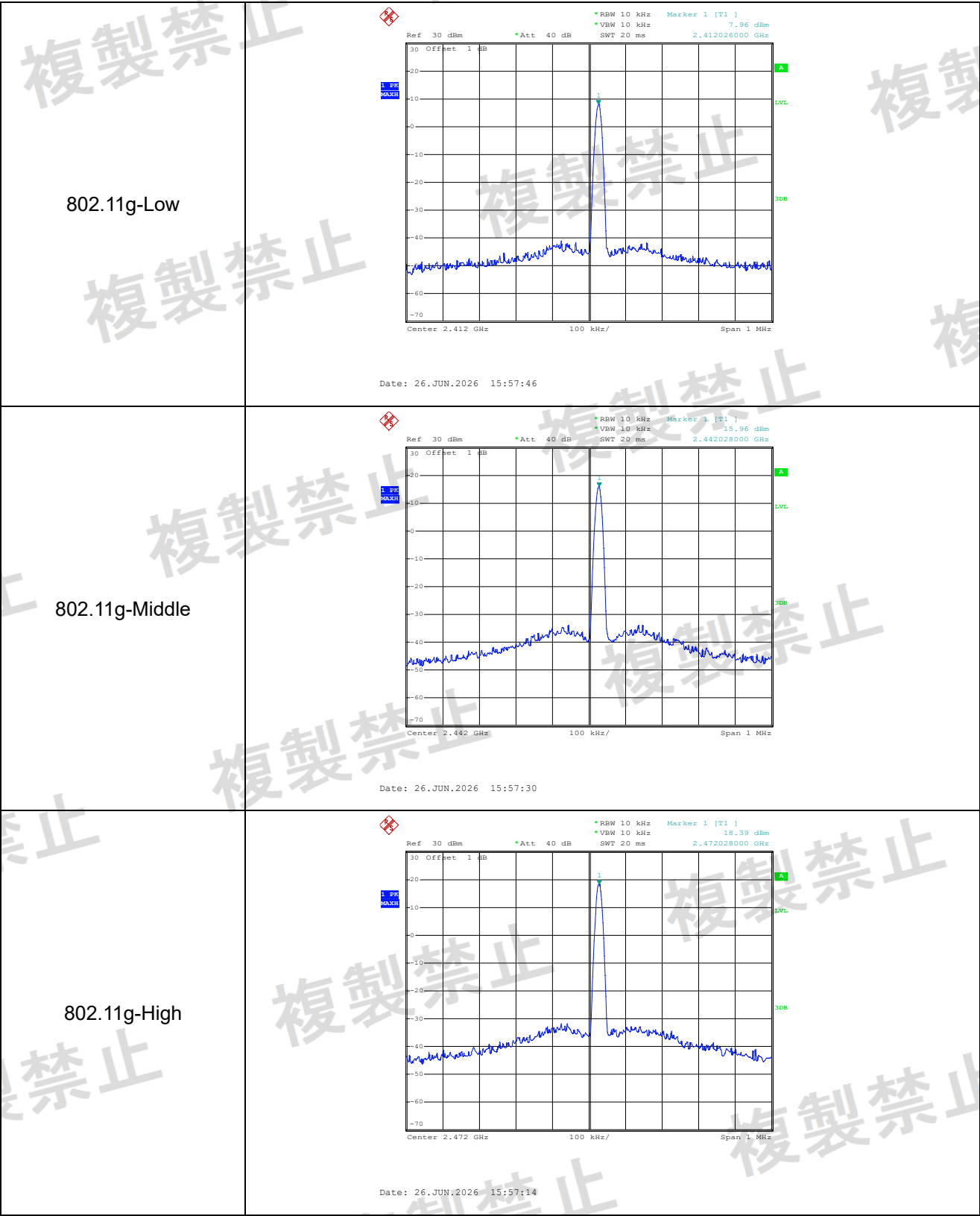


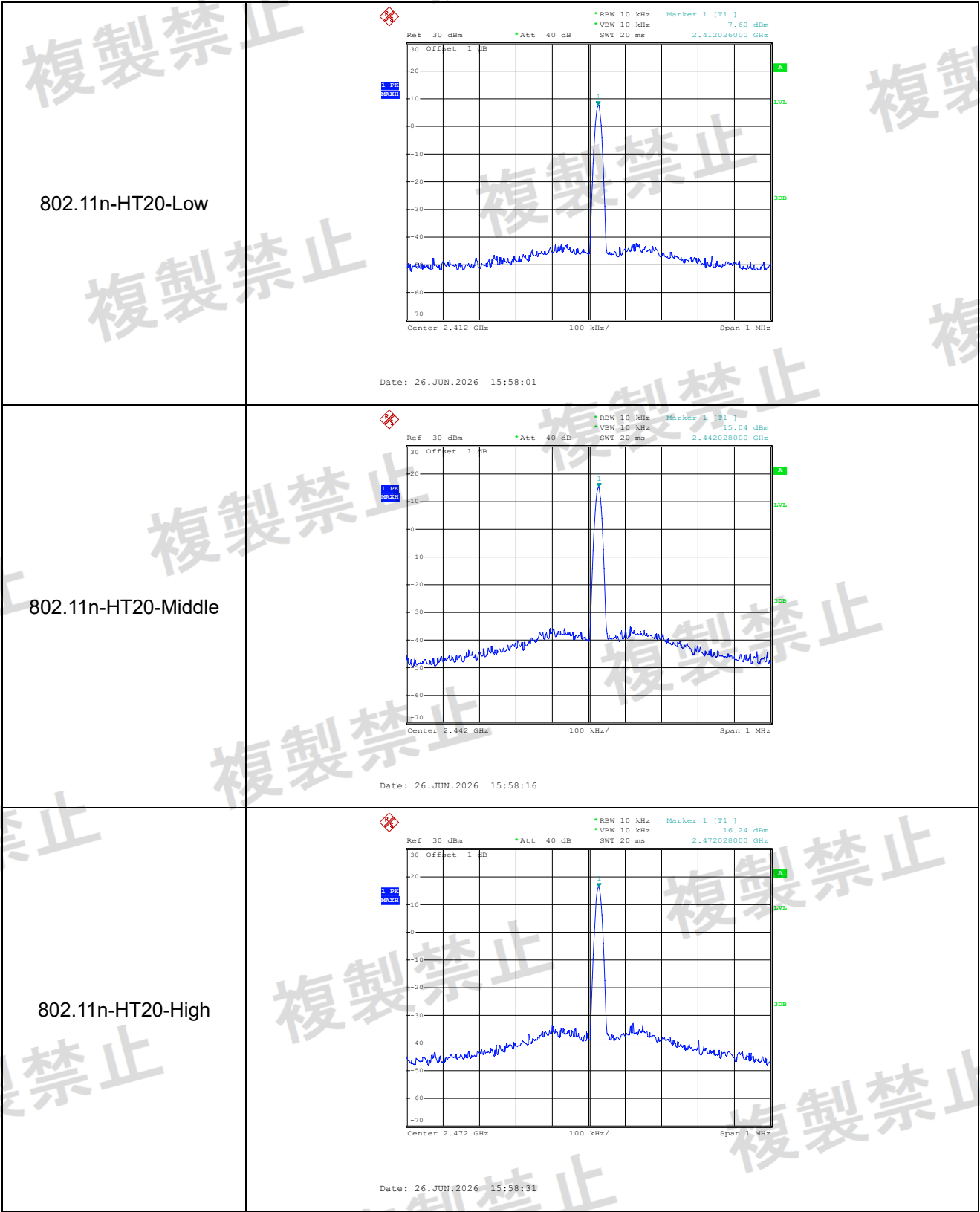
802.11b-Middle

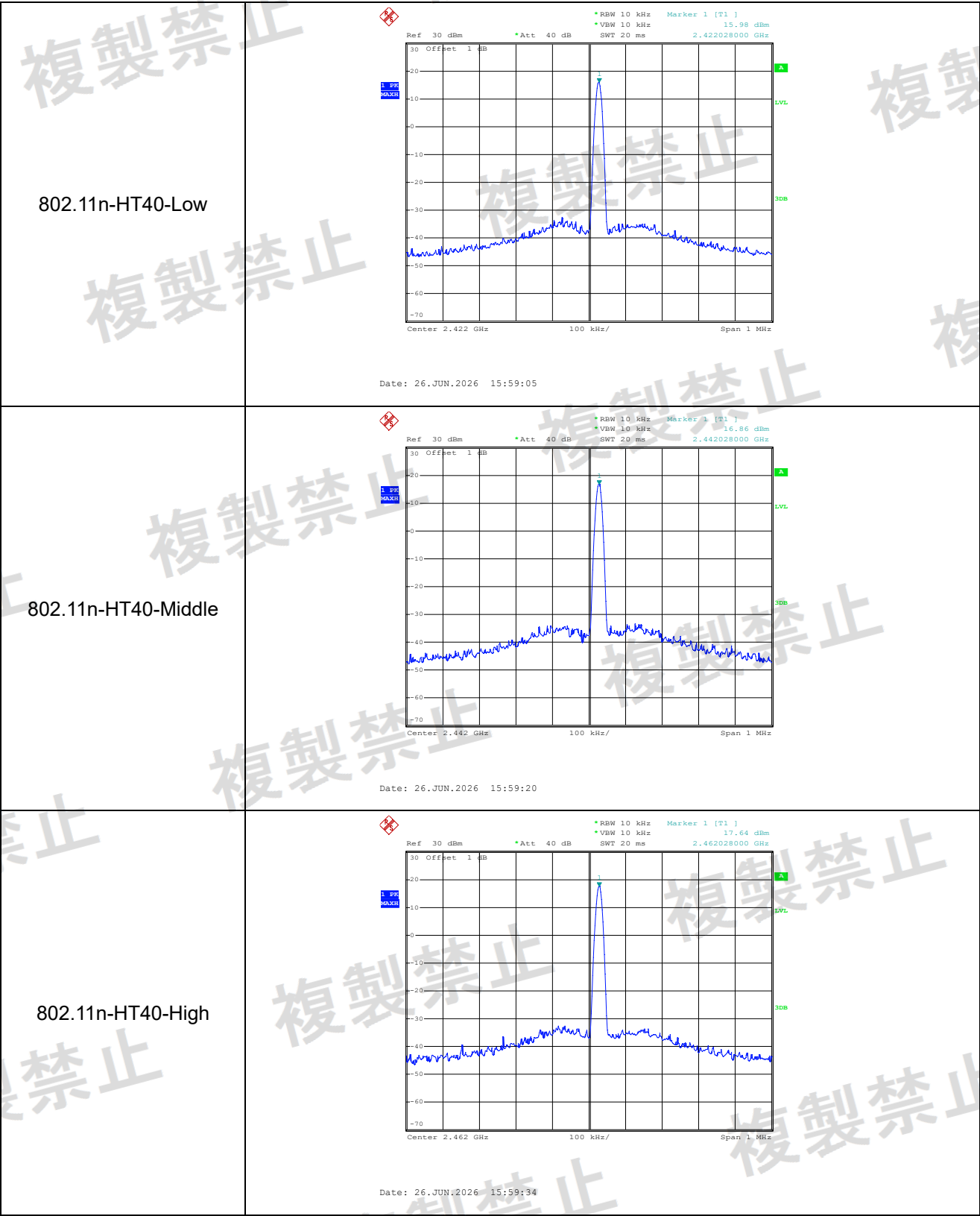


802.11b-High









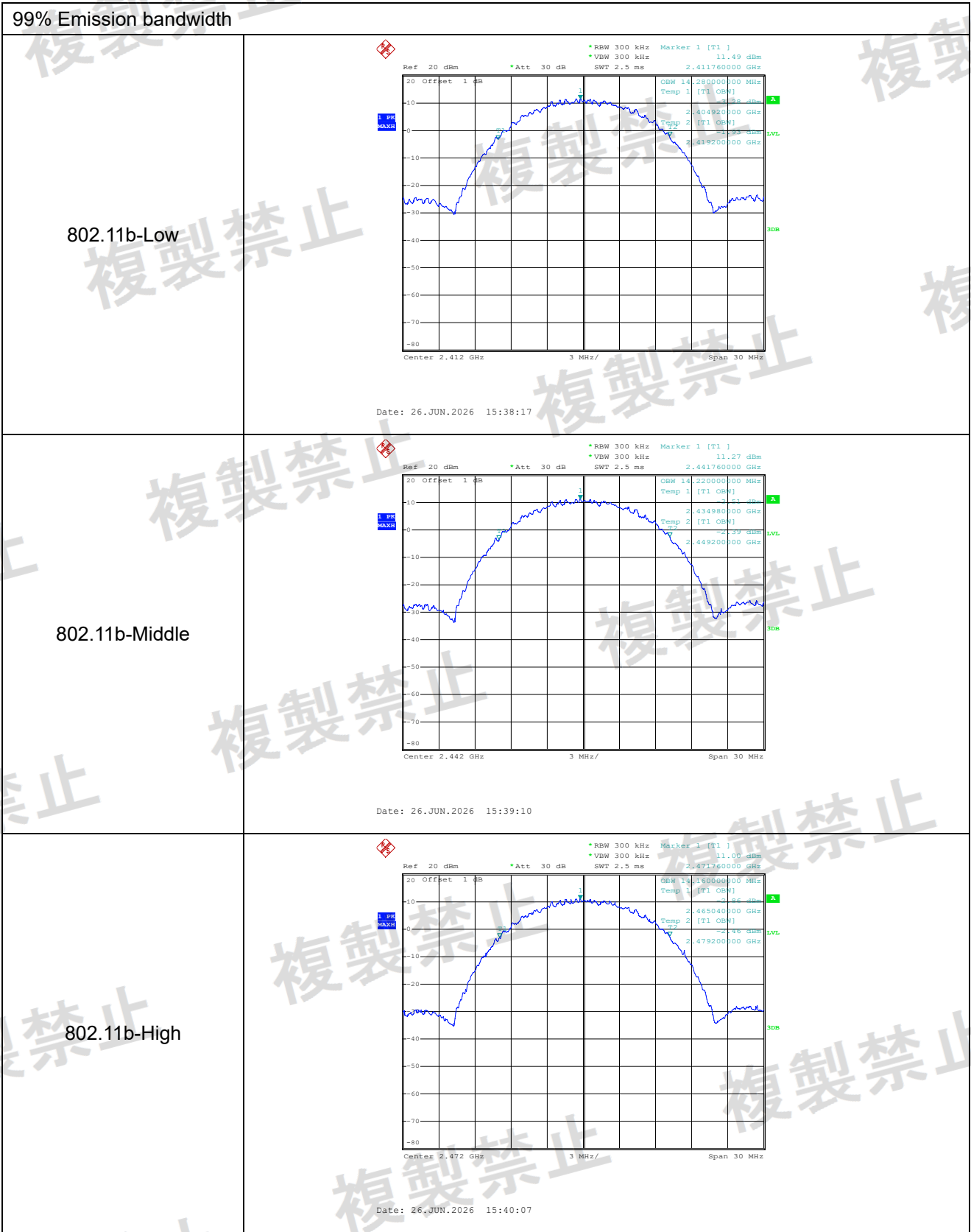
APPENDIX C**OCCUPIED BANDWIDTH**

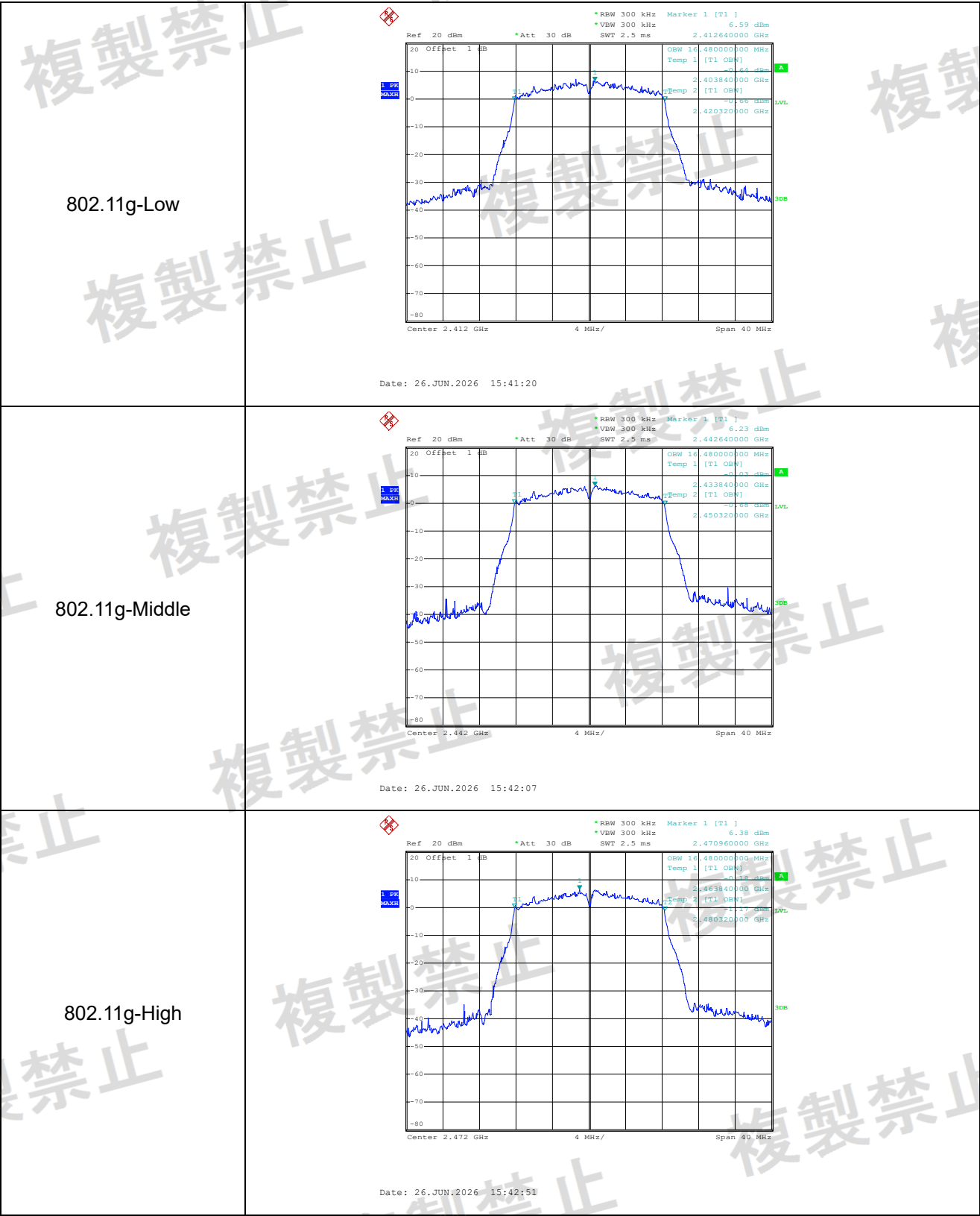
Mode	Channel	99% Emission bandwidth		90% Emission bandwidth	Result
		Reading Value (MHz)	Limit (MHz)	Reading Value (MHz)	
11b	Low	14.28	<26	9.48	Pass
	Middle	14.22	<26	9.36	Pass
	High	14.16	<26	9.36	Pass
11g	Low	16.48	<26	13.76	Pass
	Middle	16.48	<26	13.92	Pass
	High	16.48	<26	13.84	Pass
11n_HT20	Low	17.68	<26	14.64	Pass
	Middle	17.60	<26	14.72	Pass
	High	17.60	<26	14.72	Pass
11n_HT40	Low	36.16	<38	29.92	Pass
	Middle	36.00	<38	30.24	Pass
	High	36.00	<38	30.08	Pass

➤ Spread Factor

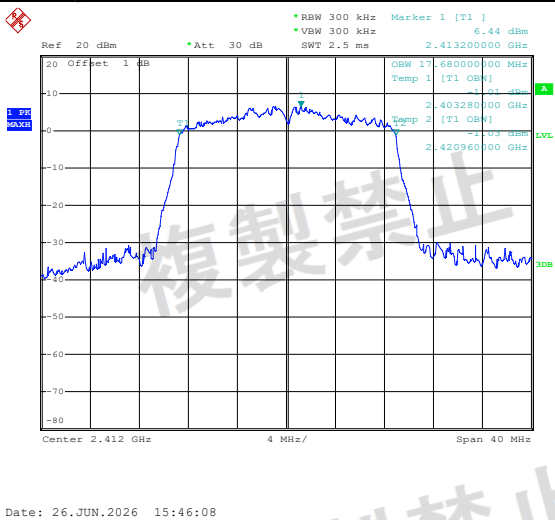
Test mode	Channel	Spread Bandwidth	Rate (MHz)	Spread Factor	Limit	Result
802.11b	Low	9.48	1.375	6.89	>5	Pass
	Middle	9.36	1.375	6.81	>5	Pass
	High	9.36	1.375	6.81	>5	Pass

Spread Factor= Spread Bandwidth/Modulation Rate

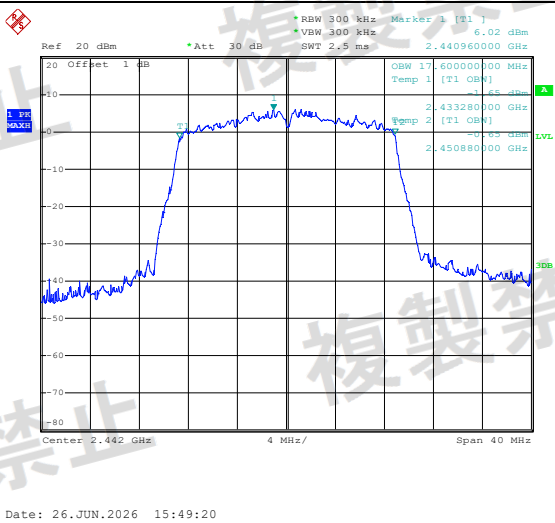




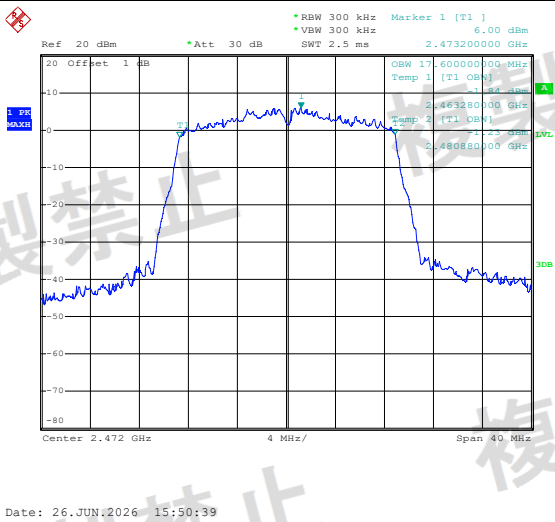
802.11n-HT20-Low

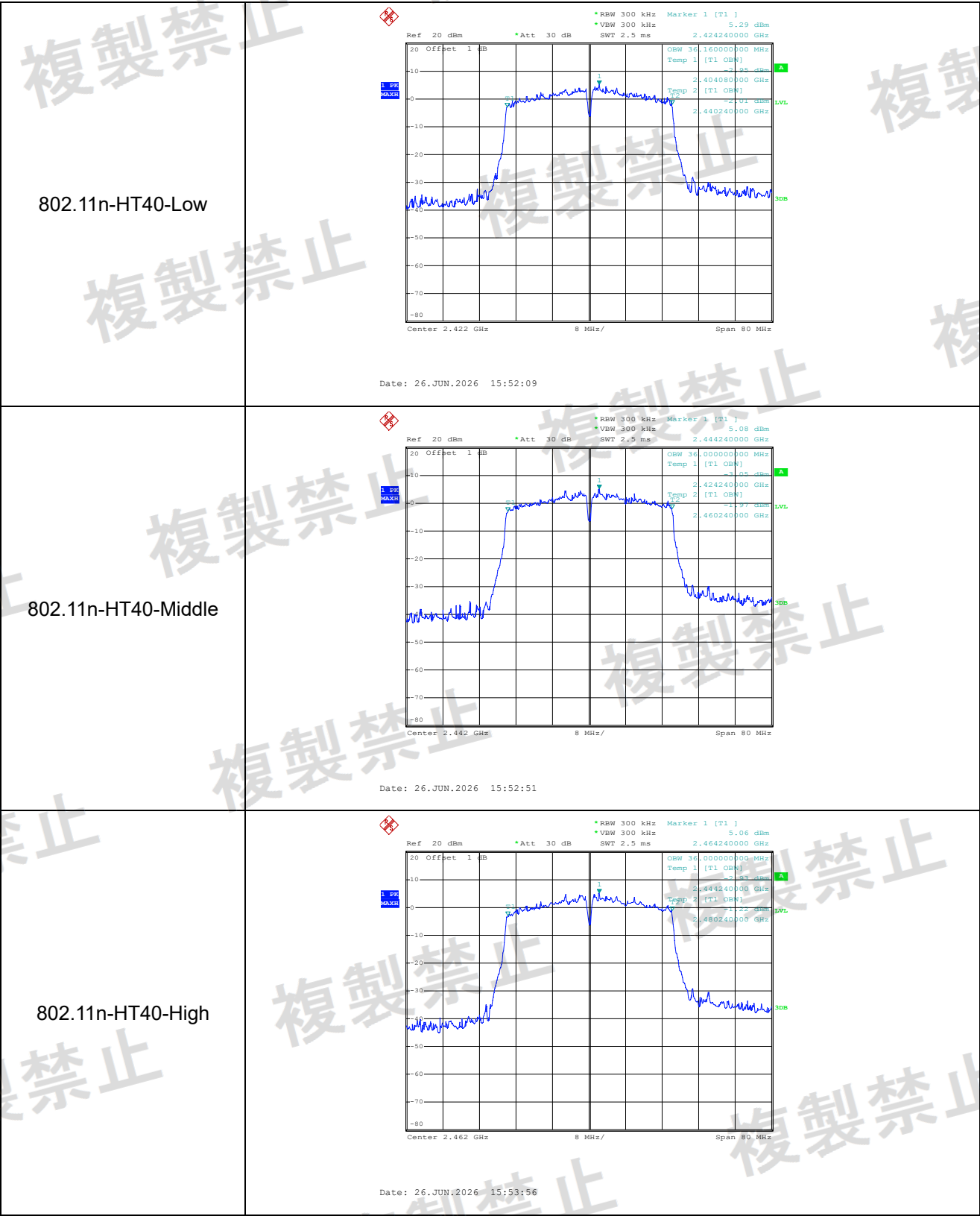


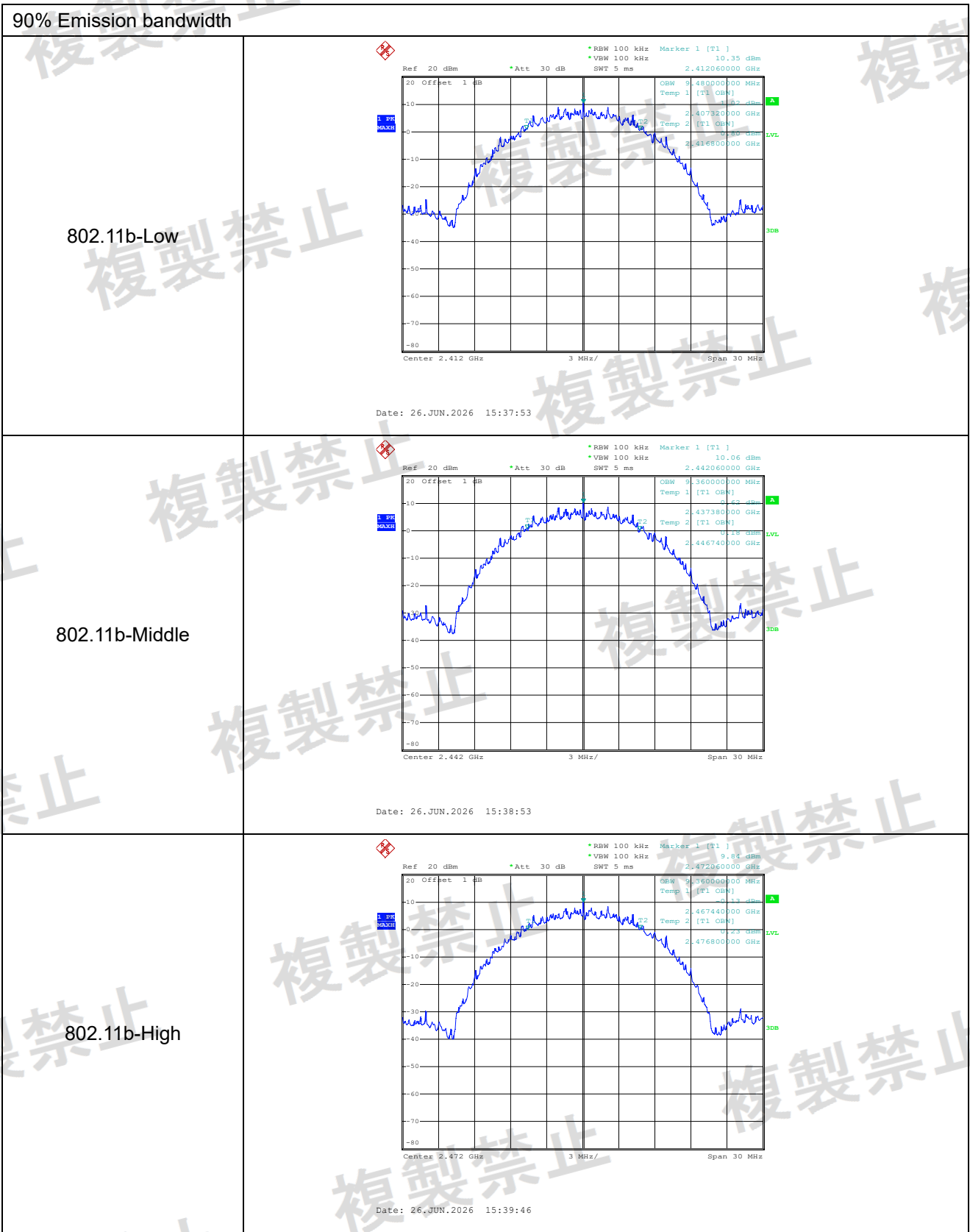
802.11n-HT20-Middle

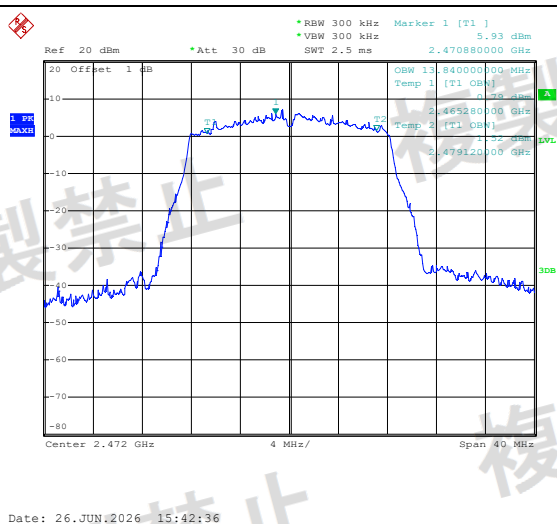
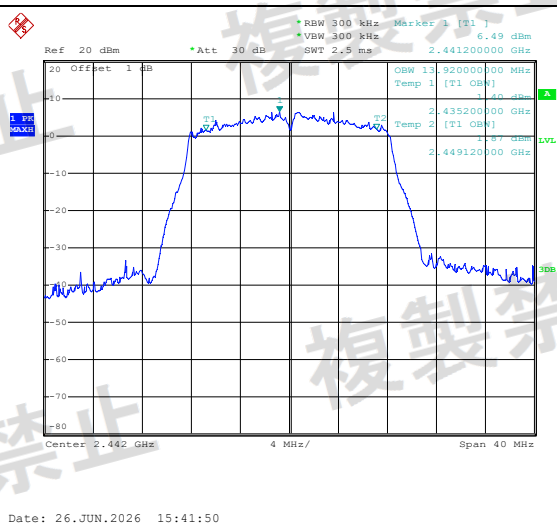
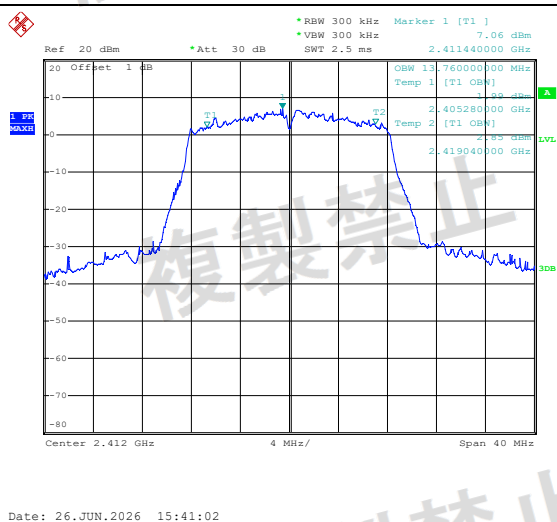


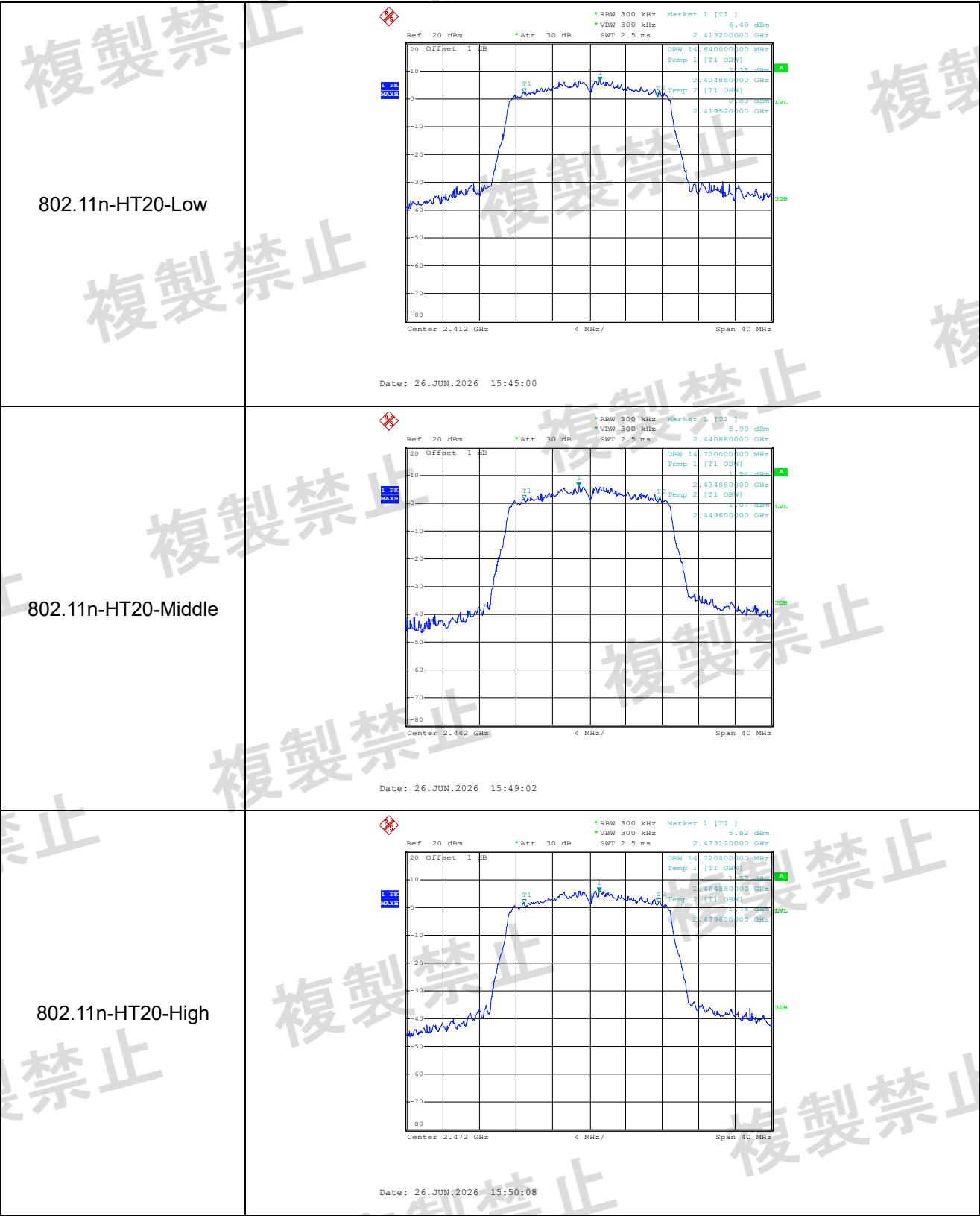
802.11n-HT20-High

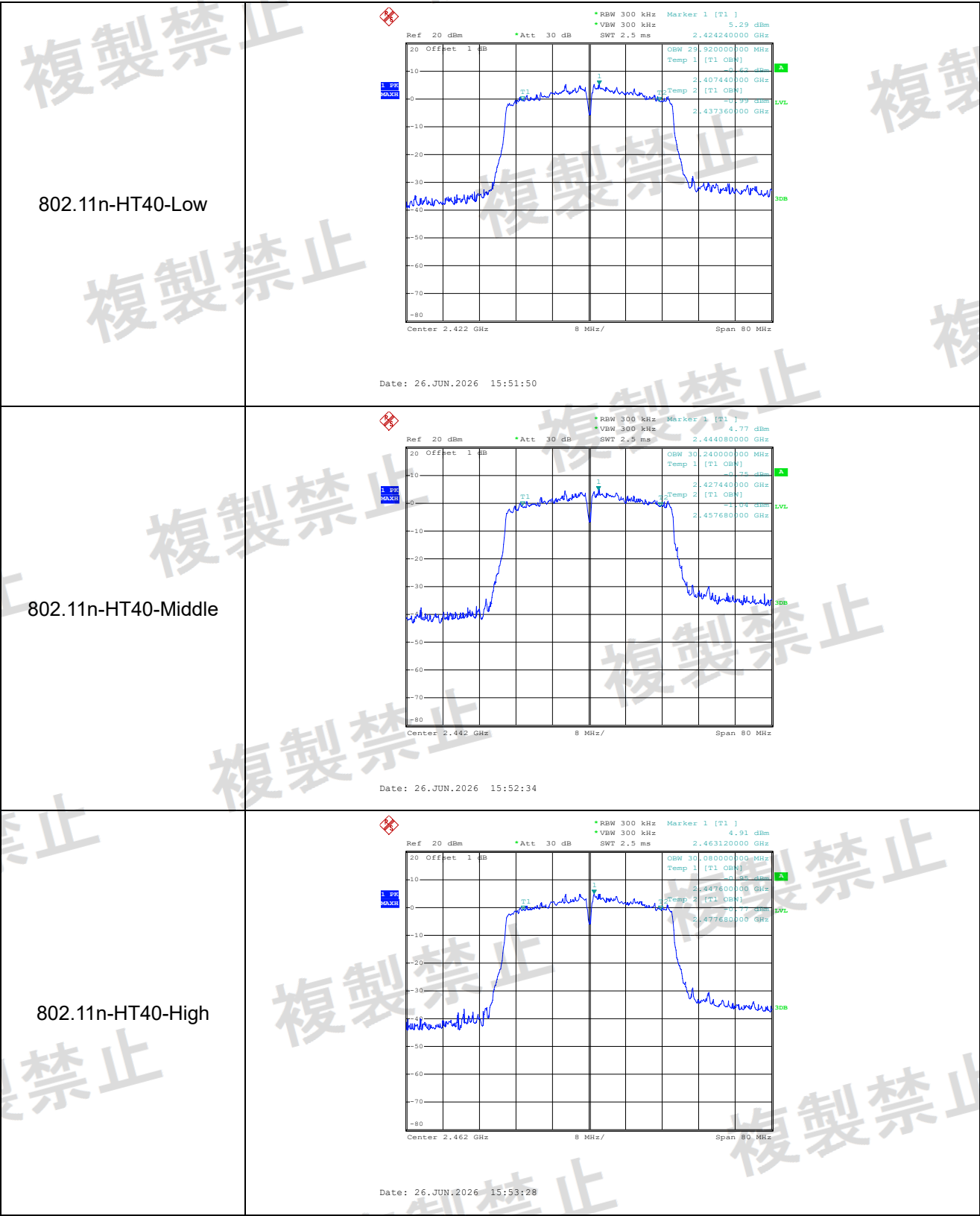












APPENDIX D**TRANSMITTER SPURIOUS EMISSIONS**

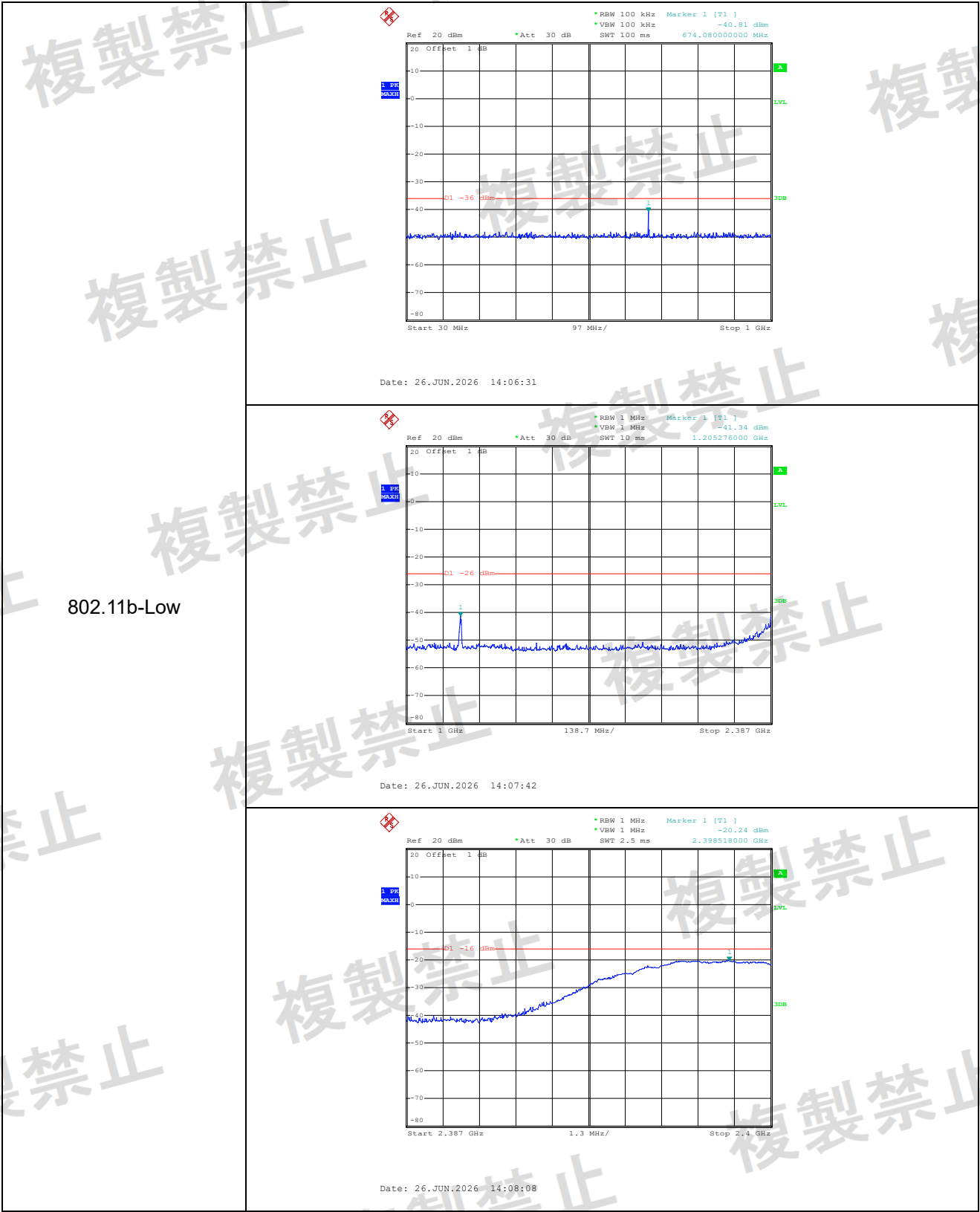
Mode	Channel	Frequency Range (MHz)	Freq. (MHz)	Reading Value	Result (μW/MHz)	Limit (μW/MHz)	Result
802.11b	Low	30-1000	674.080	-40.81dBm/100kHz	0.82990	2.5	Pass
		1000-2387	1205.276	-41.34dBm/Mhz	0.07345	2.5	Pass
		2387-2400	2398.518	-20.24dBm/Mhz	9.46237	25	Pass
		2483.5-2496.5	2495.434	-44.05dBm/Mhz	0.03936	25	Pass
		2496.5-12750	11970.734	-41.57dBm/Mhz	0.06966	2.5	Pass
	Middle	30-1000	705.120	-41.20dBm/100kHz	0.75860	2.5	Pass
		1000-2387	1221.920	-41.97dBm/Mhz	0.06353	2.5	Pass
		2387-2400	2398.804	-44.03dBm/Mhz	0.03954	25	Pass
		2483.5-2496.5	2487.426	-42.29dBm/Mhz	0.05902	25	Pass
		2496.5-12750	11929.720	-41.80dBm/Mhz	0.06607	2.5	Pass
	High	30-1000	734.220	-40.66dBm/100kHz	0.85900	2.5	Pass
		1000-2387	2375.904	-46.98dBm/Mhz	0.02004	2.5	Pass
		2387-2400	2399.428	-44.95dBm/Mhz	0.03199	25	Pass
		2483.5-2496.5	2486.360	-23.80dBm/Mhz	4.16869	25	Pass
		2496.5-12750	12421.888	-41.56dBm/Mhz	0.06982	2.5	Pass

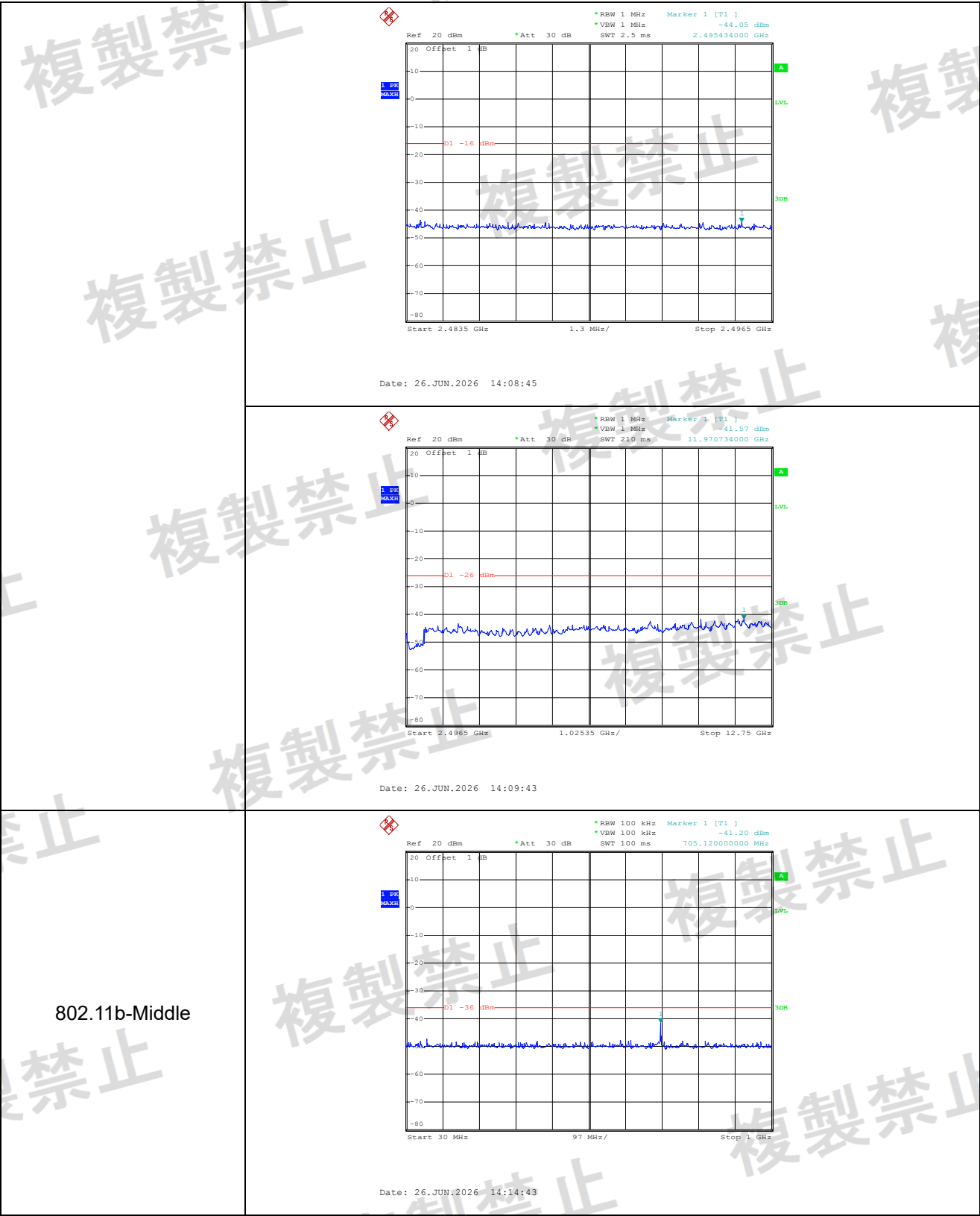
Mode	Channel	Frequency Range (MHz)	Freq. (MHz)	Reading Value	Result (μW/MHz)	Limit (μW/MHz)	Result
802.11g	Low	30-1000	437.400	-47dBm/100kHz	0.19950	2.5	Pass
		1000-2387	2387.000	-31.78dBm/Mhz	0.66374	2.5	Pass
		2387-2400	2399.584	-20.56dBm/Mhz	8.79023	25	Pass
		2483.5-2496.5	2484.228	-40.69dBm/Mhz	0.08531	25	Pass
		2496.5-12750	11745.157	-41.52dBm/Mhz	0.07047	2.5	Pass
	Middle	30-1000	641.100	-47.08dBm/100kHz	0.19590	2.5	Pass
		1000-2387	1221.920	-45.87dBm/Mhz	0.02588	2.5	Pass
		2387-2400	2399.584	-42.86dBm/Mhz	0.05176	25	Pass
		2483.5-2496.5	2484.410	-38.28dBm/Mhz	0.14859	25	Pass
		2496.5-12750	12360.367	-41.72dBm/Mhz	0.06730	2.5	Pass
	High	30-1000	850.620	-47.85dBm/100kHz	0.16410	2.5	Pass
		1000-2387	2387.000	-48.31dBm/Mhz	0.01476	2.5	Pass
		2387-2400	2396.724	-45.03dBm/Mhz	0.03141	25	Pass
		2483.5-2496.5	2483.500	-25.52dBm/Mhz	2.80543	25	Pass
		2496.5-12750	2496.500	-40.03dBm/Mhz	0.09931	2.5	Pass

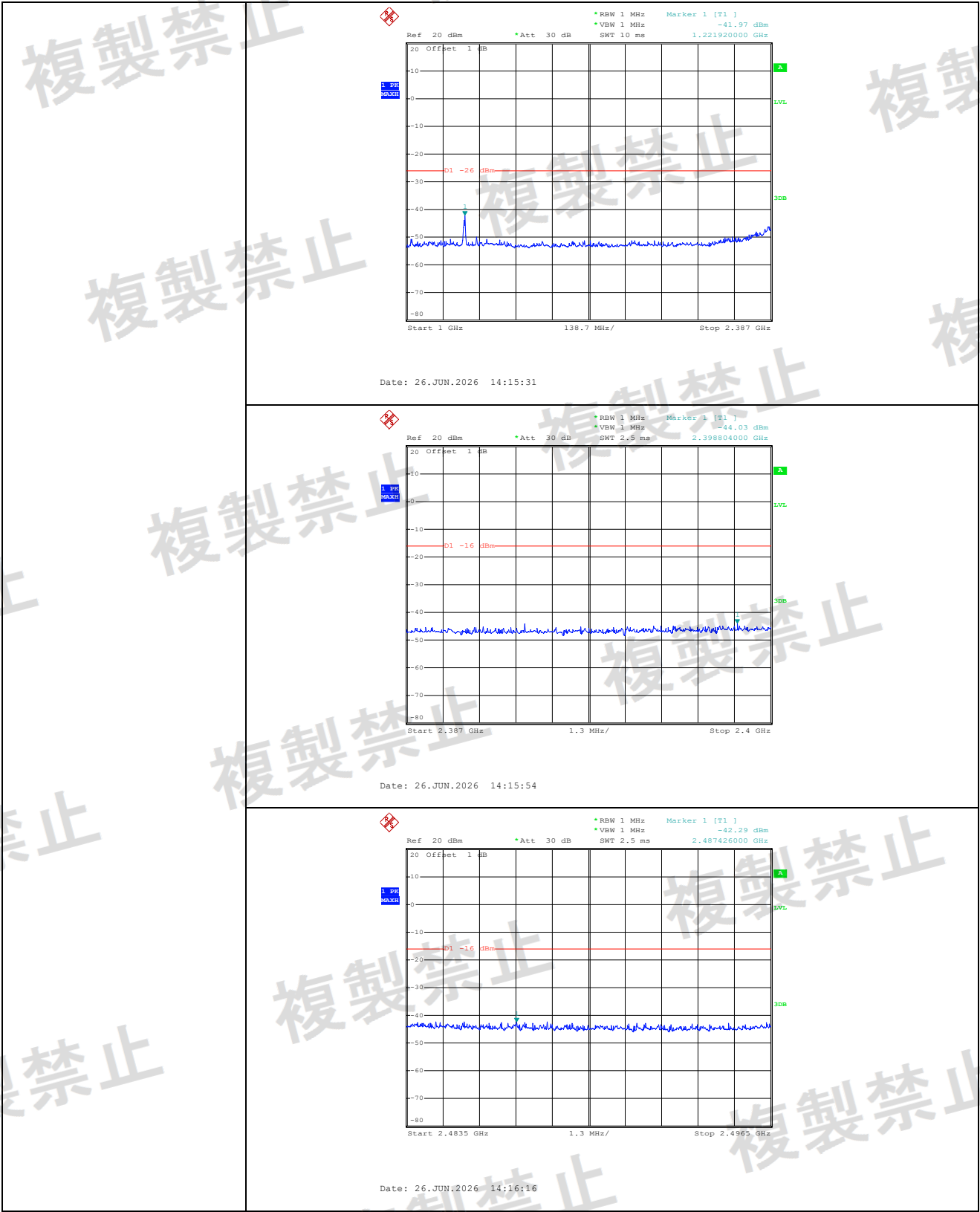
Mode	Channel	Frequency Range (MHz)	Freq. (MHz)	Reading Value	Result ($\mu\text{W}/\text{MHz}$)	Limit ($\mu\text{W}/\text{MHz}$)	Result
802.11n _HT20	Low	30-1000	97.900	-48.40dBm/100kHz	0.14450	2.5	Pass
		1000-2387	2387.000	-35.34dBm/Mhz	0.29242	2.5	Pass
		2387-2400	2399.714	-20.73dBm/Mhz	8.45279	25	Pass
		2483.5-2496.5	2487.062	-41.92dBm/Mhz	0.06427	25	Pass
		2496.5-12750	12011.748	-41.83dBm/Mhz	0.06561	2.5	Pass
	Middle	30-1000	918.520	-47.90dBm/100kHz	0.16220	2.5	Pass
		1000-2387	2387.000	-45.90dBm/Mhz	0.02570	2.5	Pass
		2387-2400	2397.192	-43.12dBm/Mhz	0.04875	25	Pass
		2483.5-2496.5	2492.366	-40.46dBm/Mhz	0.08995	25	Pass
		2496.5-12750	12011.748	-42.34dBm/Mhz	0.05834	2.5	Pass
	High	30-1000	823.460	-47.80dBm/100kHz	0.16600	2.5	Pass
		1000-2387	2375.904	-48.11dBm/Mhz	0.01545	2.5	Pass
		2387-2400	2395.060	-45dBm/Mhz	0.03162	25	Pass
		2483.5-2496.5	2483.500	-23.92dBm/Mhz	4.05509	25	Pass
		2496.5-12750	2496.500	-39.36dBm/Mhz	0.11588	2.5	Pass

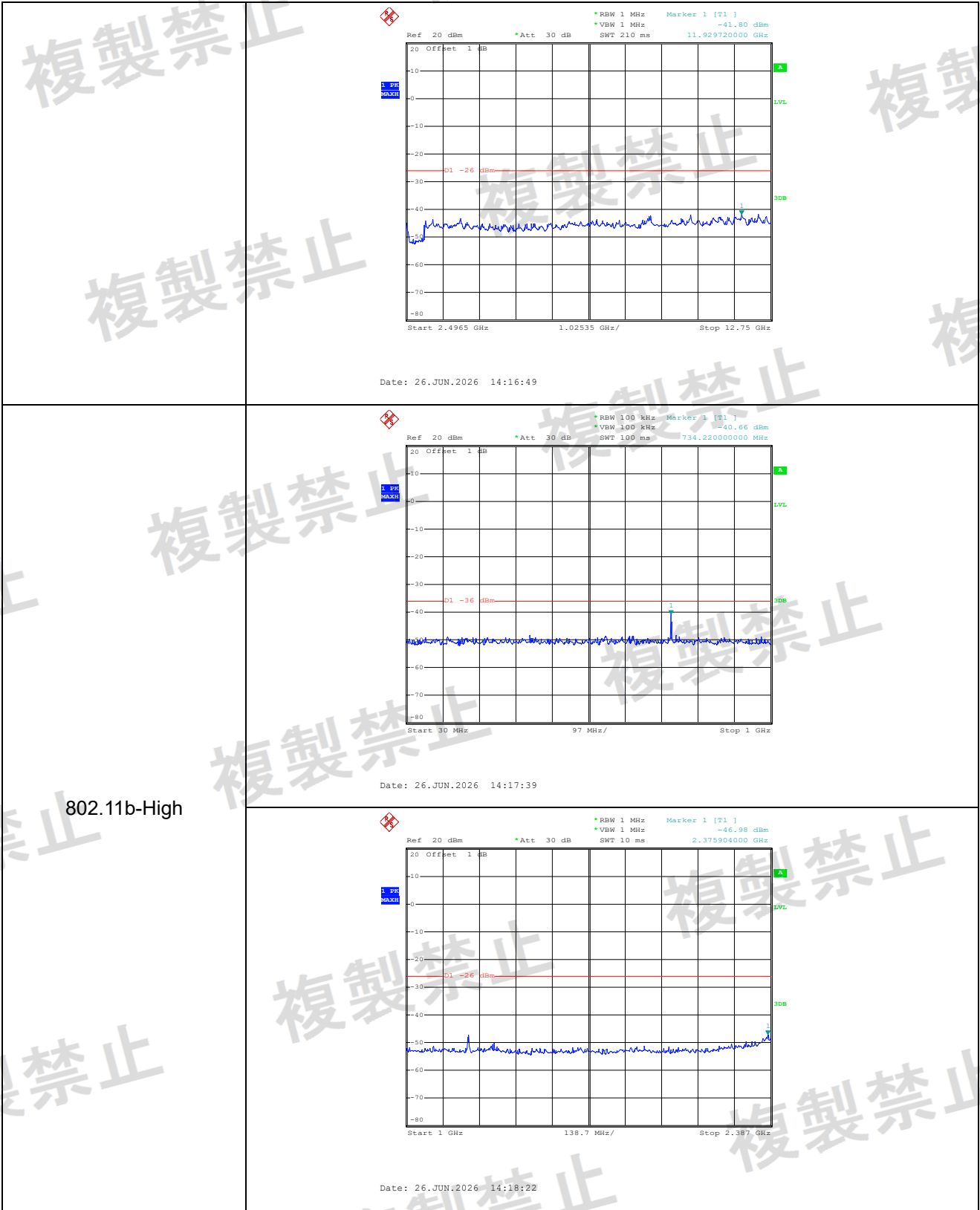
Mode	Channel	Frequency Range (MHz)	Freq. (MHz)	Reading Value	Result ($\mu\text{W}/\text{MHz}$)	Limit ($\mu\text{W}/\text{MHz}$)	Result
802.11n _HT40	Low	30-1000	39.700	-44.85dBm/100kHz	0.32730	2.5	Pass
		1000-2387	2387.000	-30.72dBm/Mhz	0.84723	2.5	Pass
		2387-2400	2399.922	-22.43dBm/Mhz	5.71479	25	Pass
		2483.5-2496.5	2484.592	-30.01dBm/Mhz	0.99770	25	Pass
		2496.5-12750	2496.500	-39.19dBm/Mhz	0.12050	2.5	Pass
	Middle	30-1000	39.700	-45.50dBm/100kHz	0.28180	2.5	Pass
		1000-2387	2387.000	-37.24dBm/Mhz	0.18880	2.5	Pass
		2387-2400	2399.480	-31.95dBm/Mhz	0.63826	25	Pass
		2483.5-2496.5	2485.216	-26.19dBm/Mhz	2.40436	25	Pass
		2496.5-12750	2496.500	-31.32dBm/Mhz	0.73790	2.5	Pass
	High	30-1000	181.320	-48.10dBm/100kHz	0.15490	2.5	Pass
		1000-2387	2387.000	-45.25dBm/Mhz	0.02985	2.5	Pass
		2387-2400	2396.178	-40.56dBm/Mhz	0.08790	25	Pass
		2483.5-2496.5	2483.500	-20.22dBm/Mhz	9.50605	25	Pass
		2496.5-12750	2496.500	-29.08dBm/Mhz	1.23595	2.5	Pass

2.5 $\mu\text{W}/\text{MHz}$ =-26dBm/MHz, 25 $\mu\text{W}/\text{MHz}$ =-16dBm/MHz, 2.5 $\mu\text{W}/\text{MHz}$ =-36dBm/100kHz,

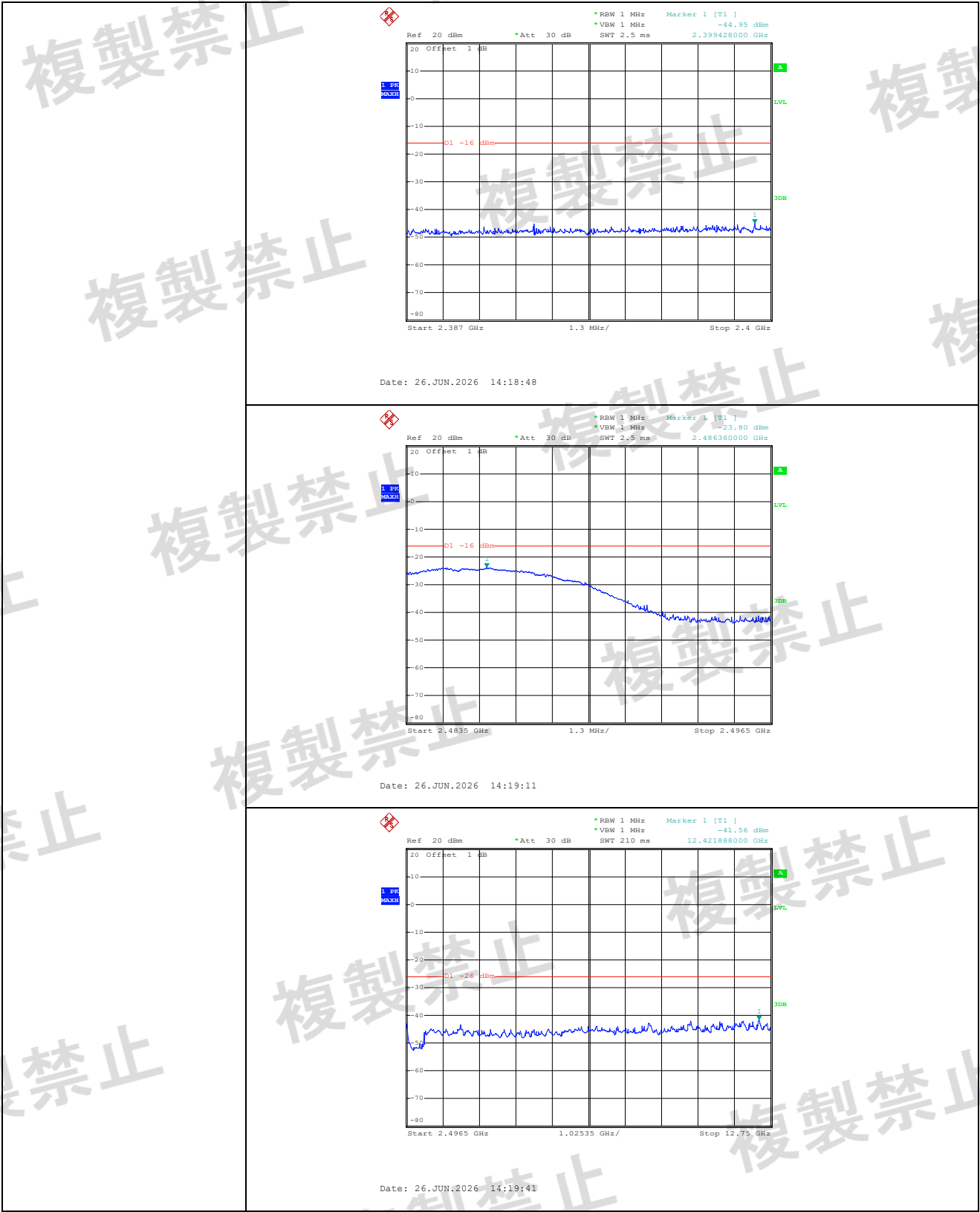


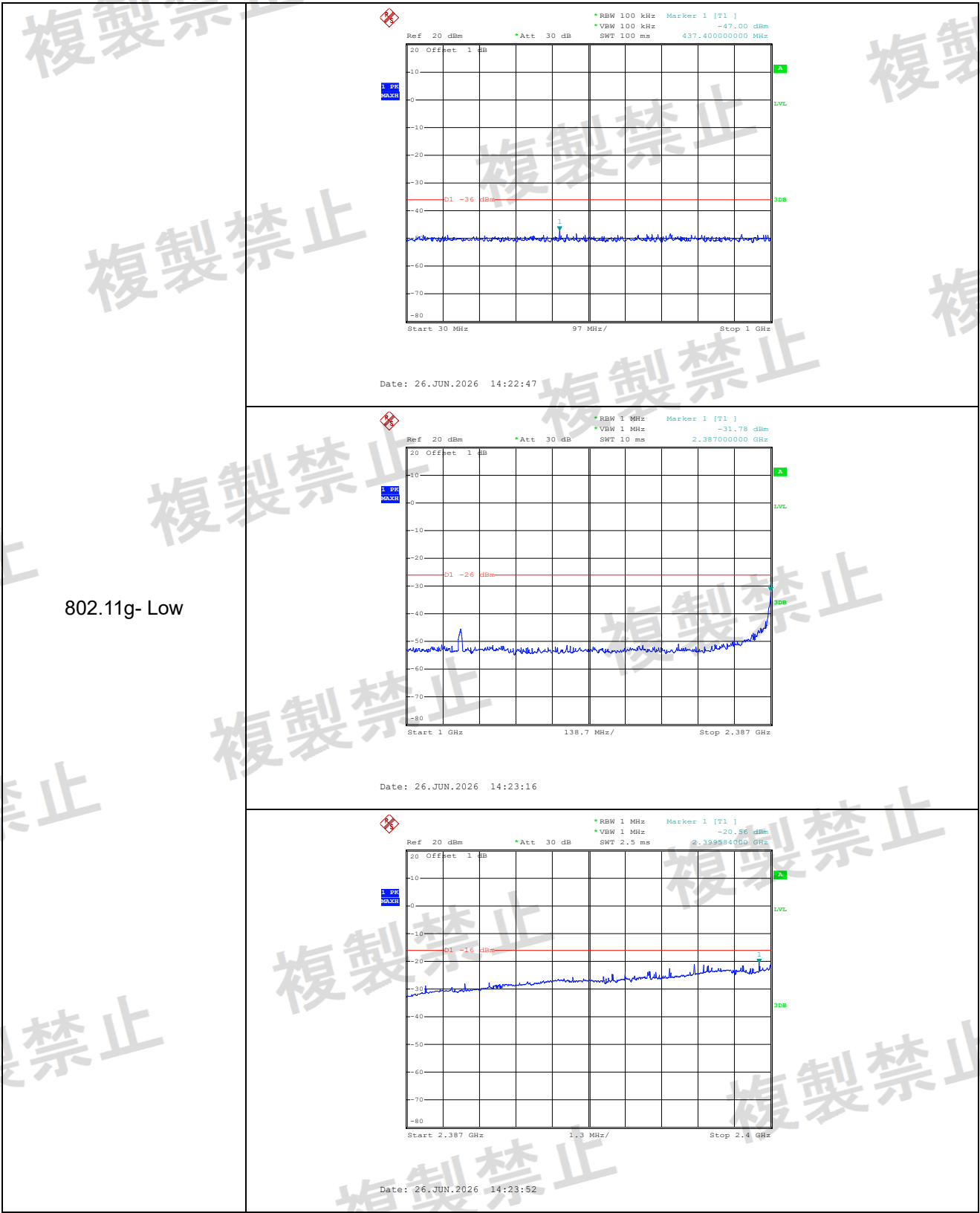


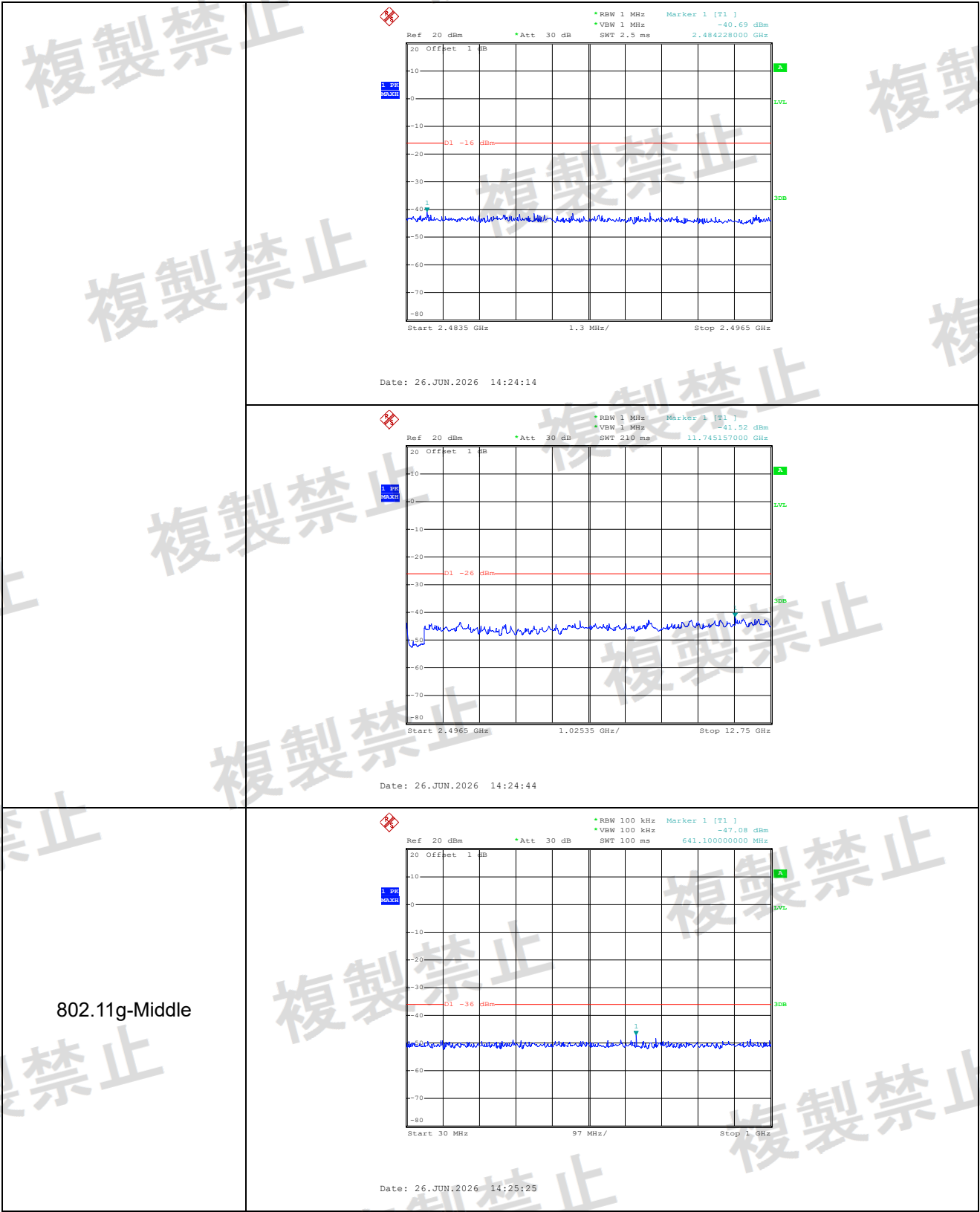


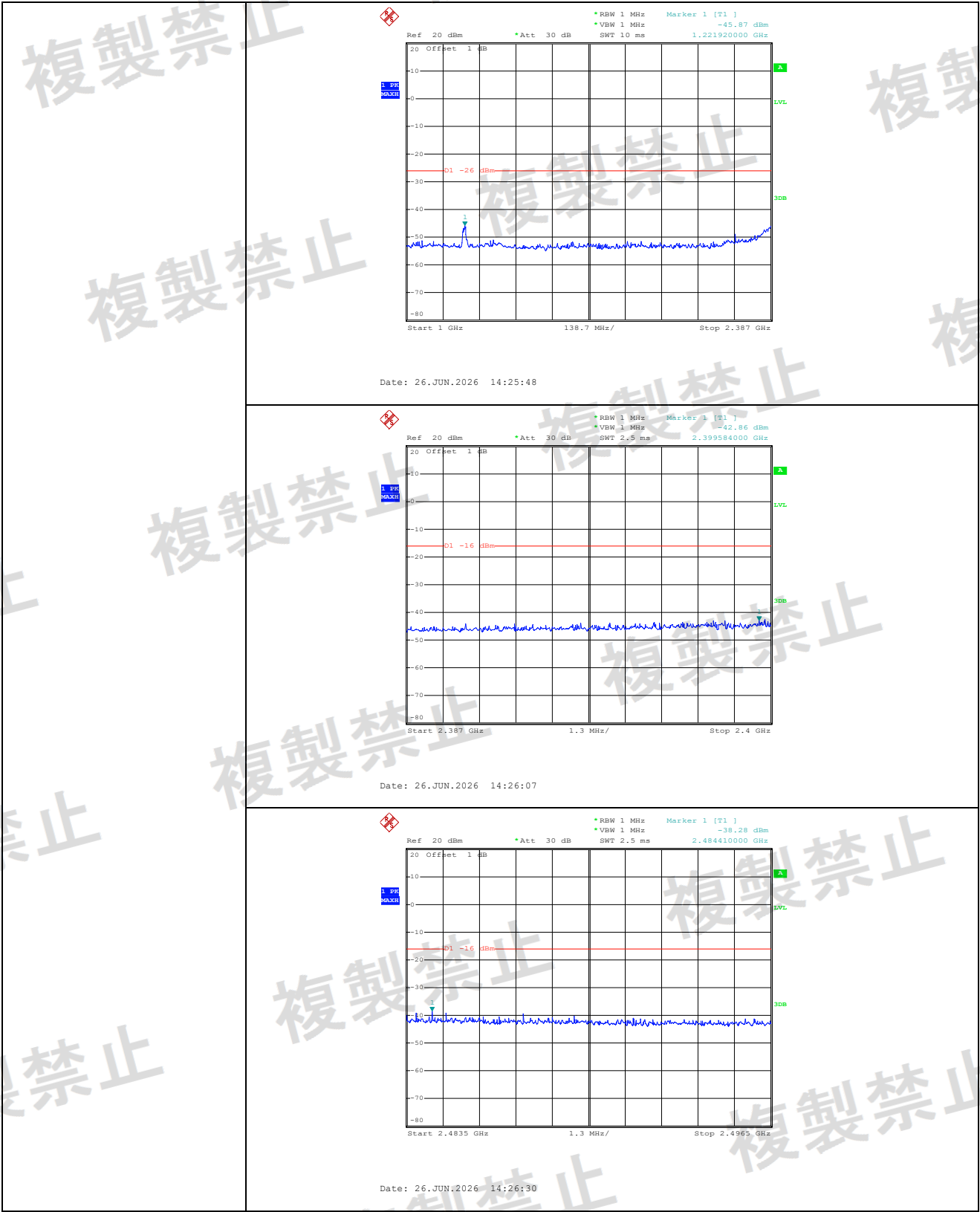


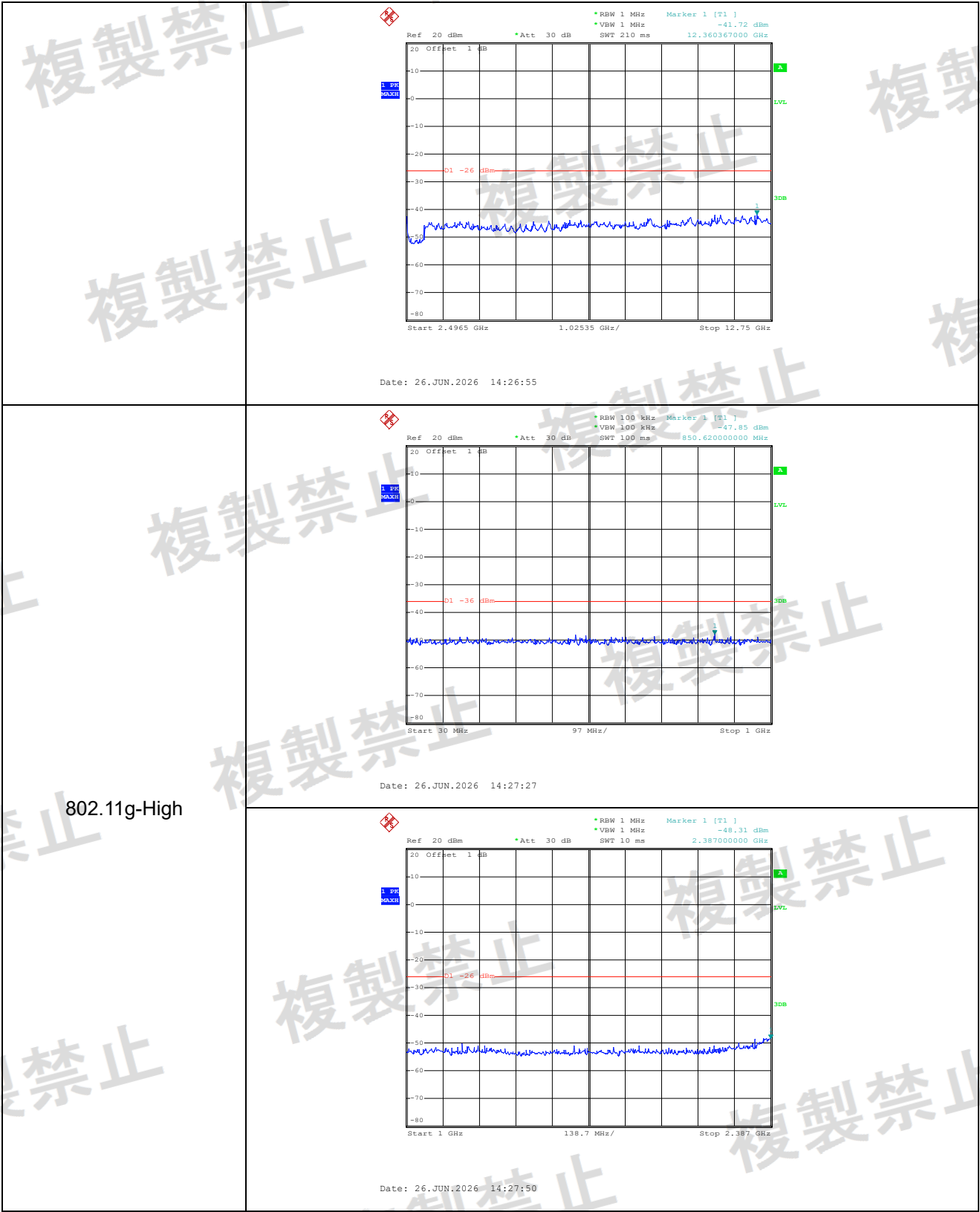
802.11b-High

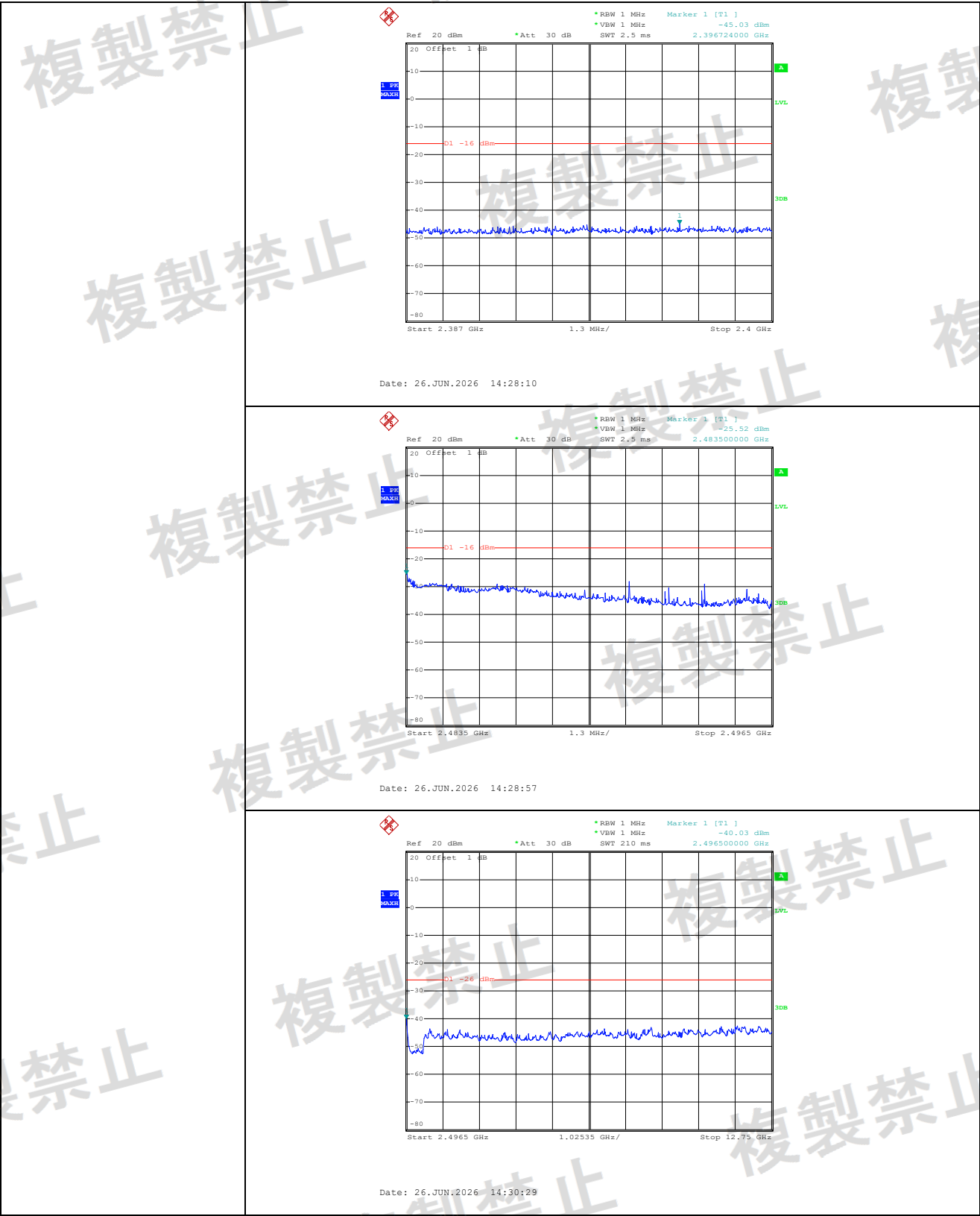




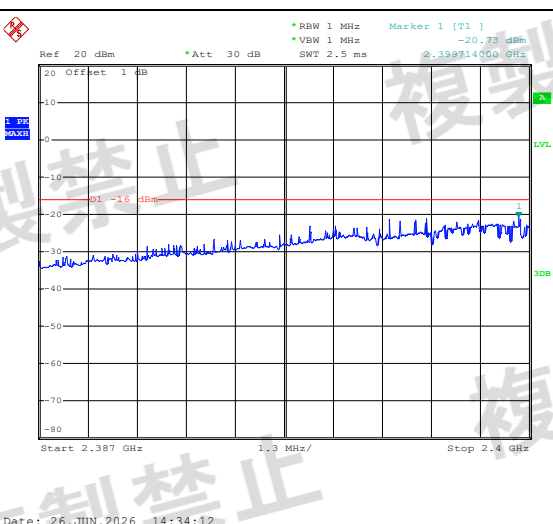
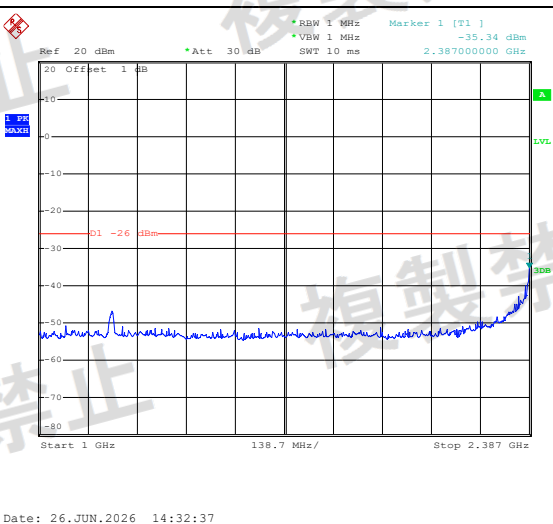
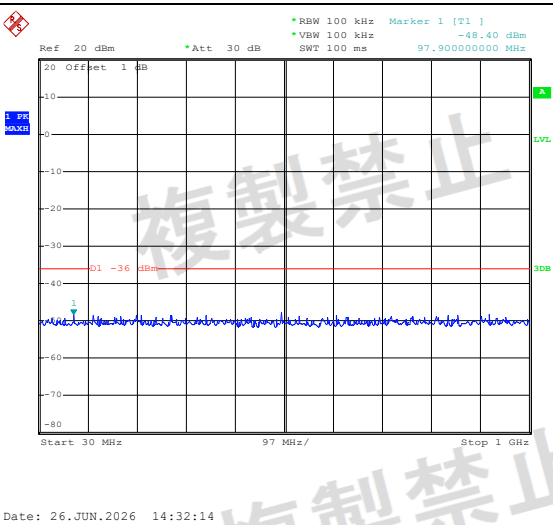


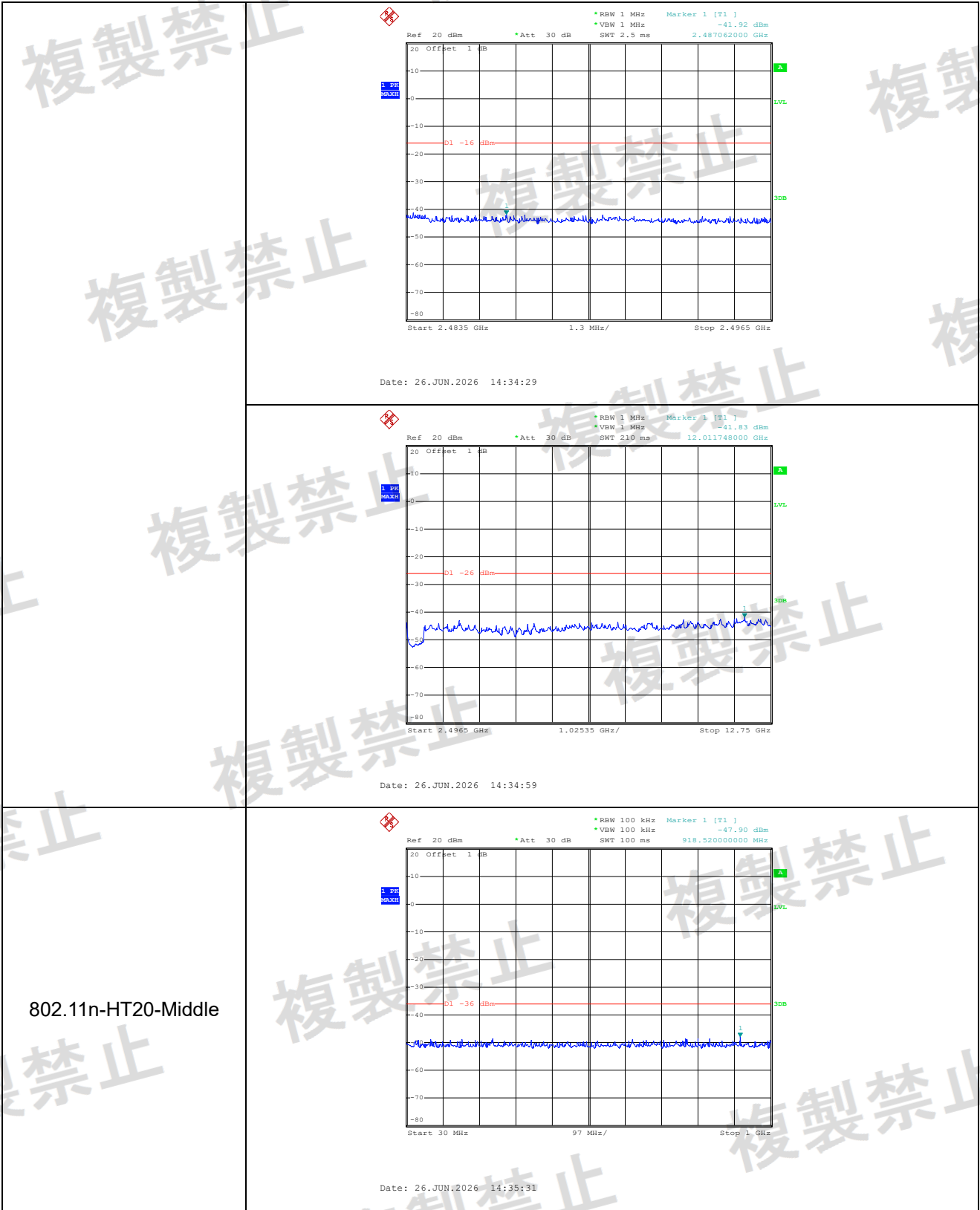


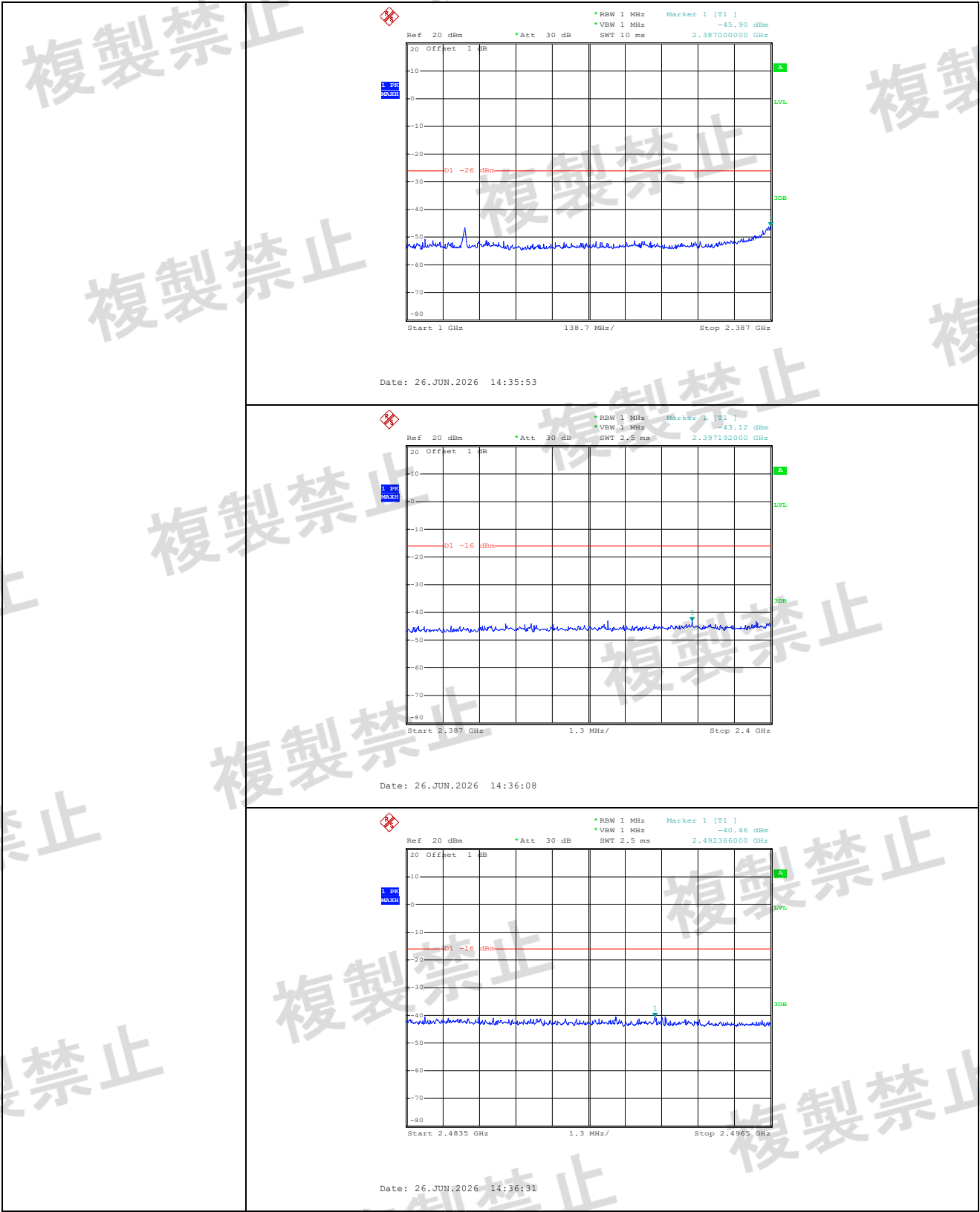


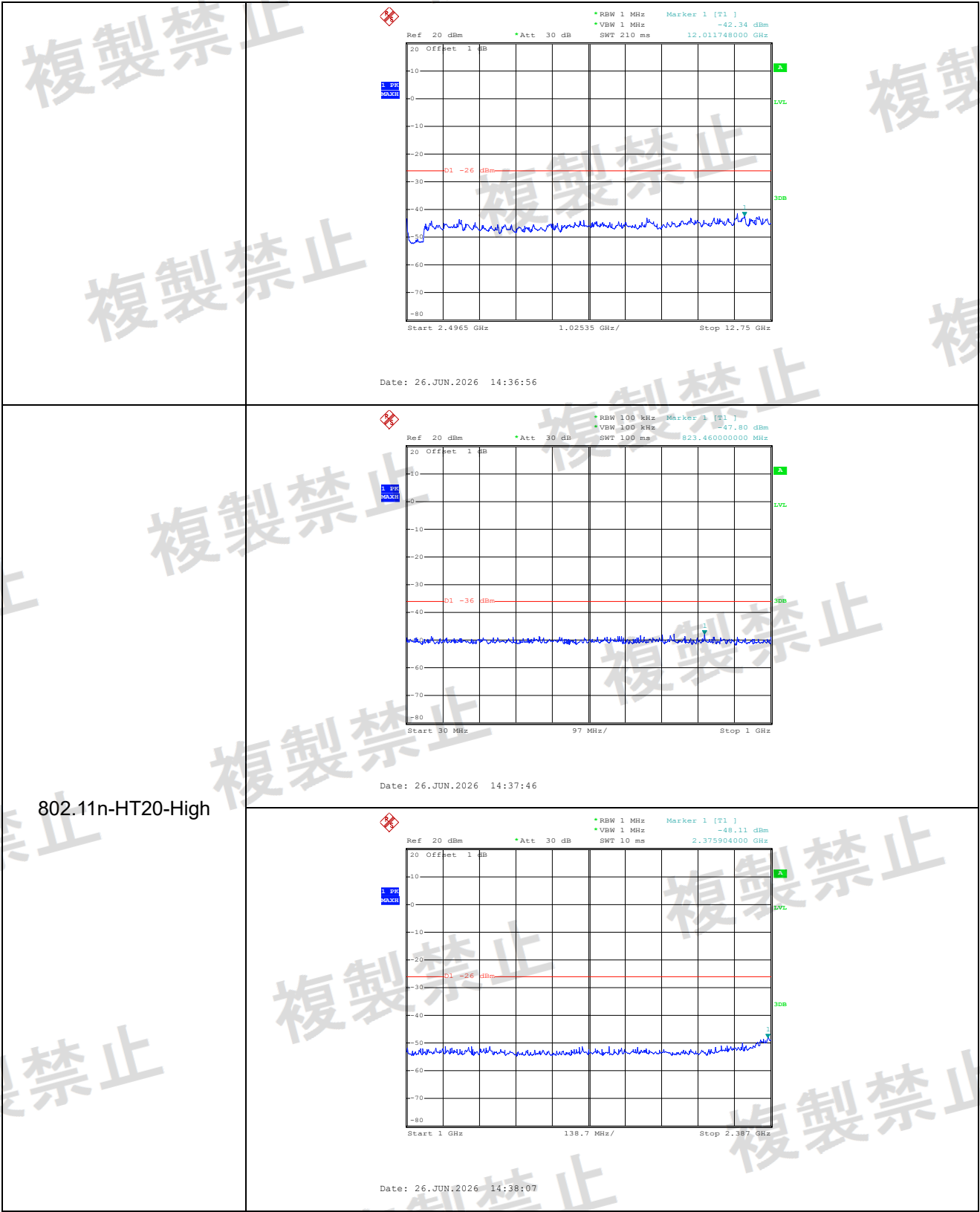


802.11n-HT20-Low

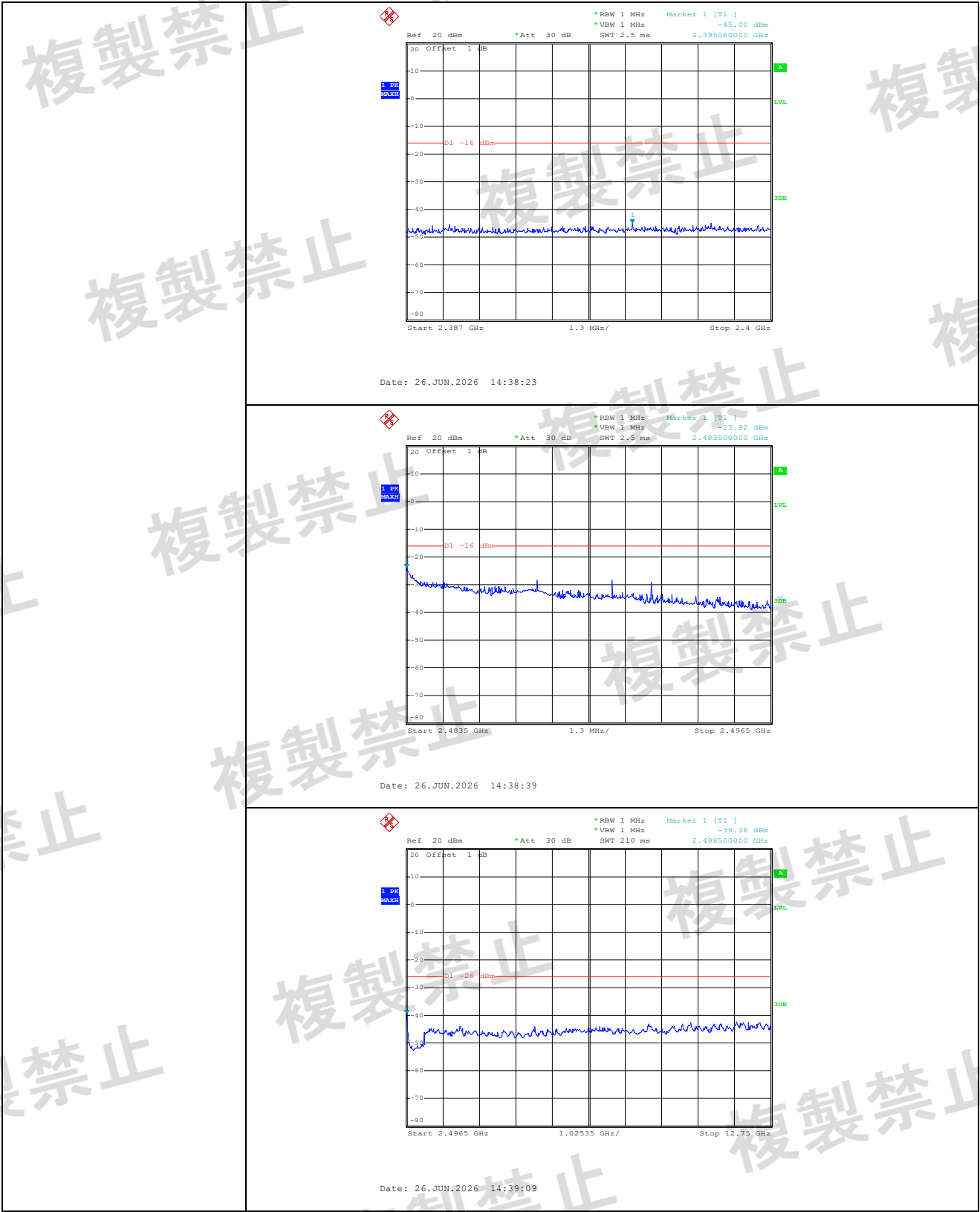




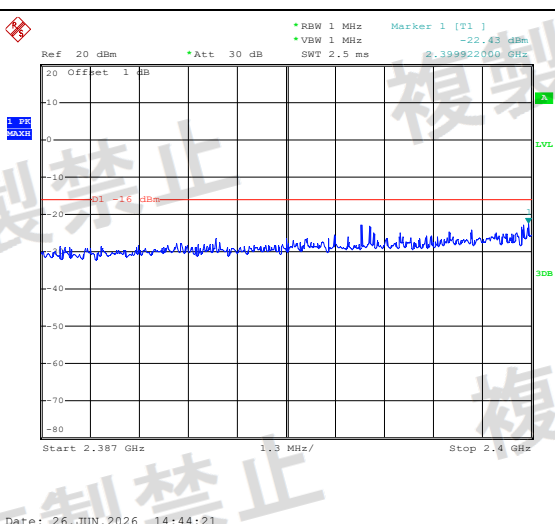
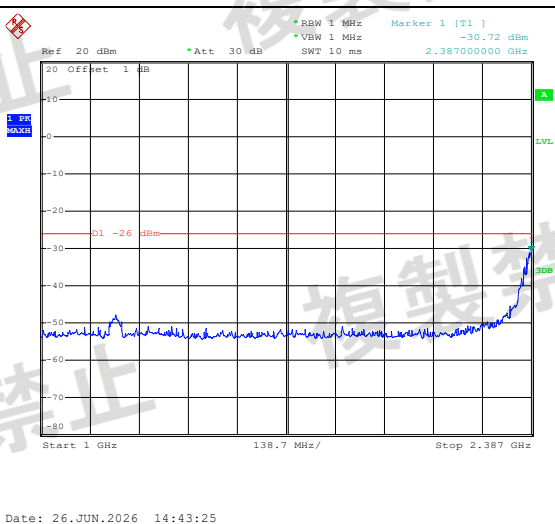
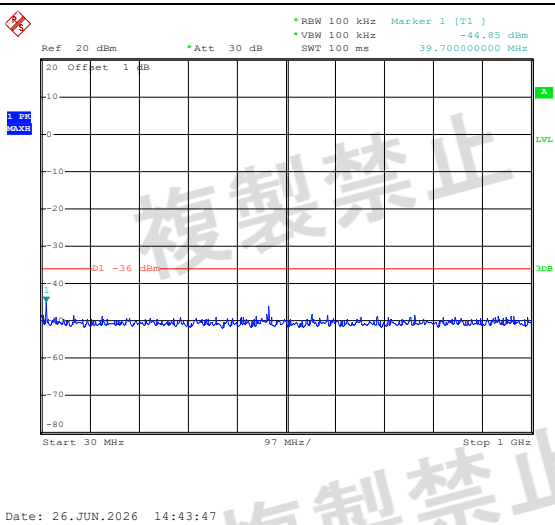


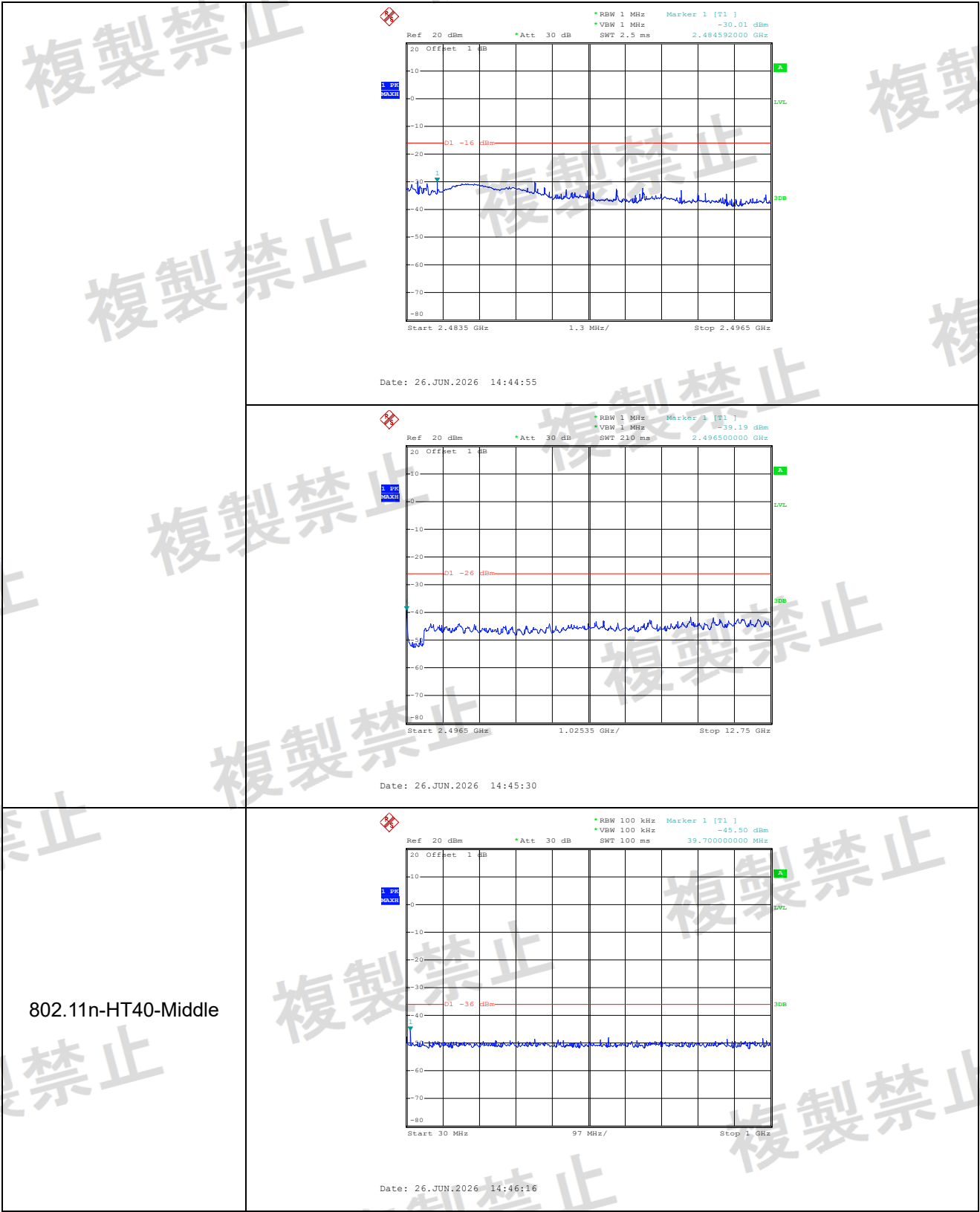


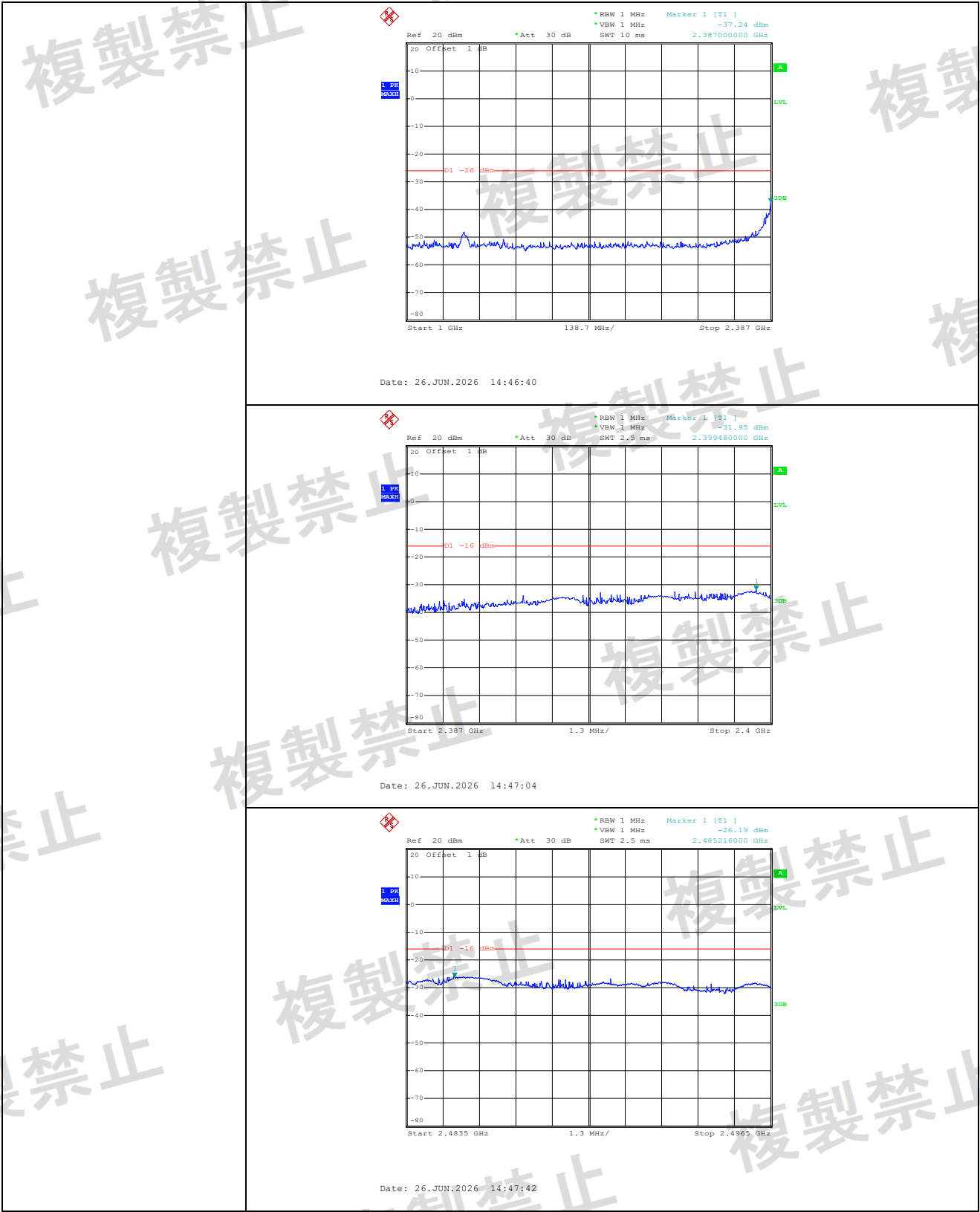
802.11n-HT20-High

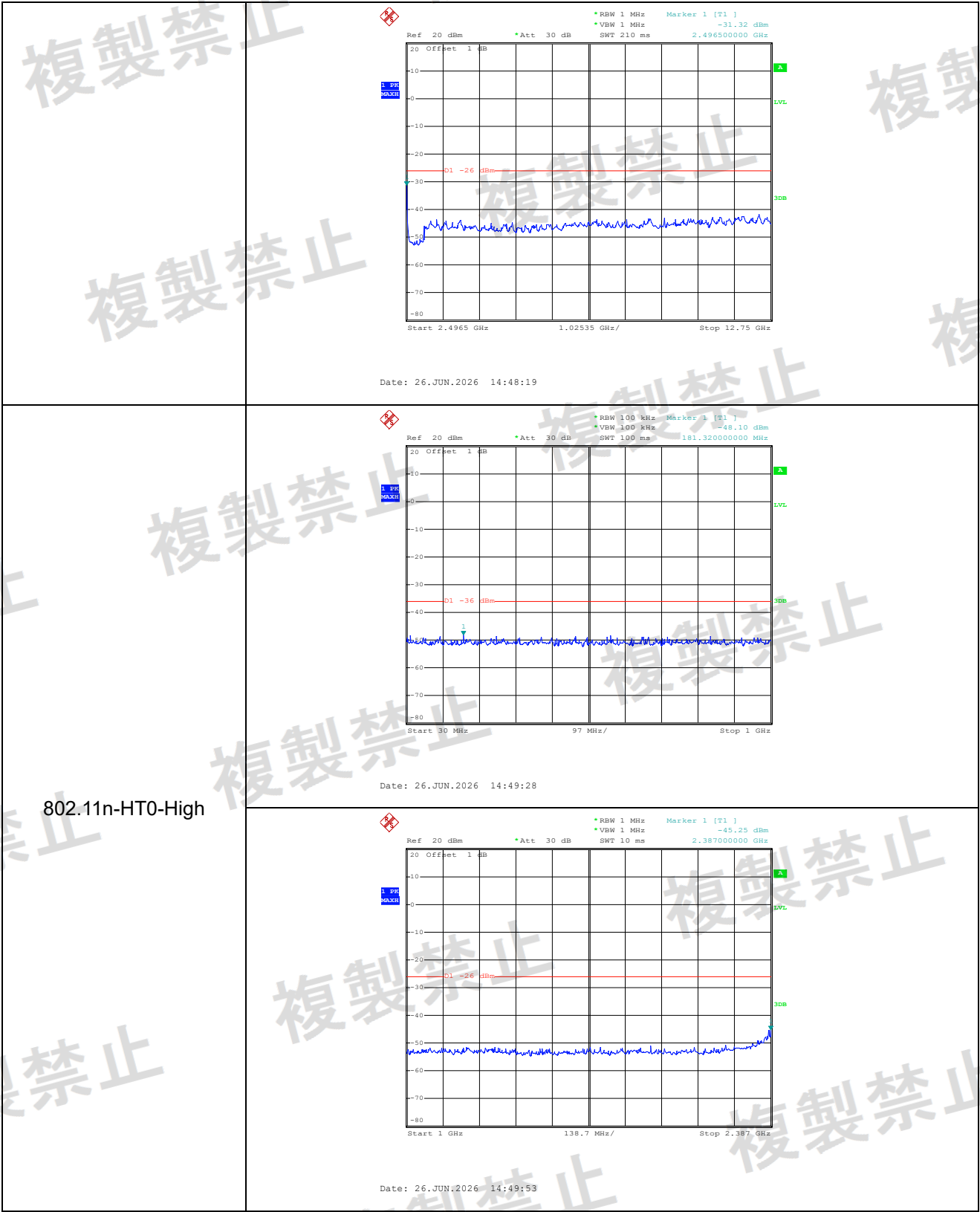


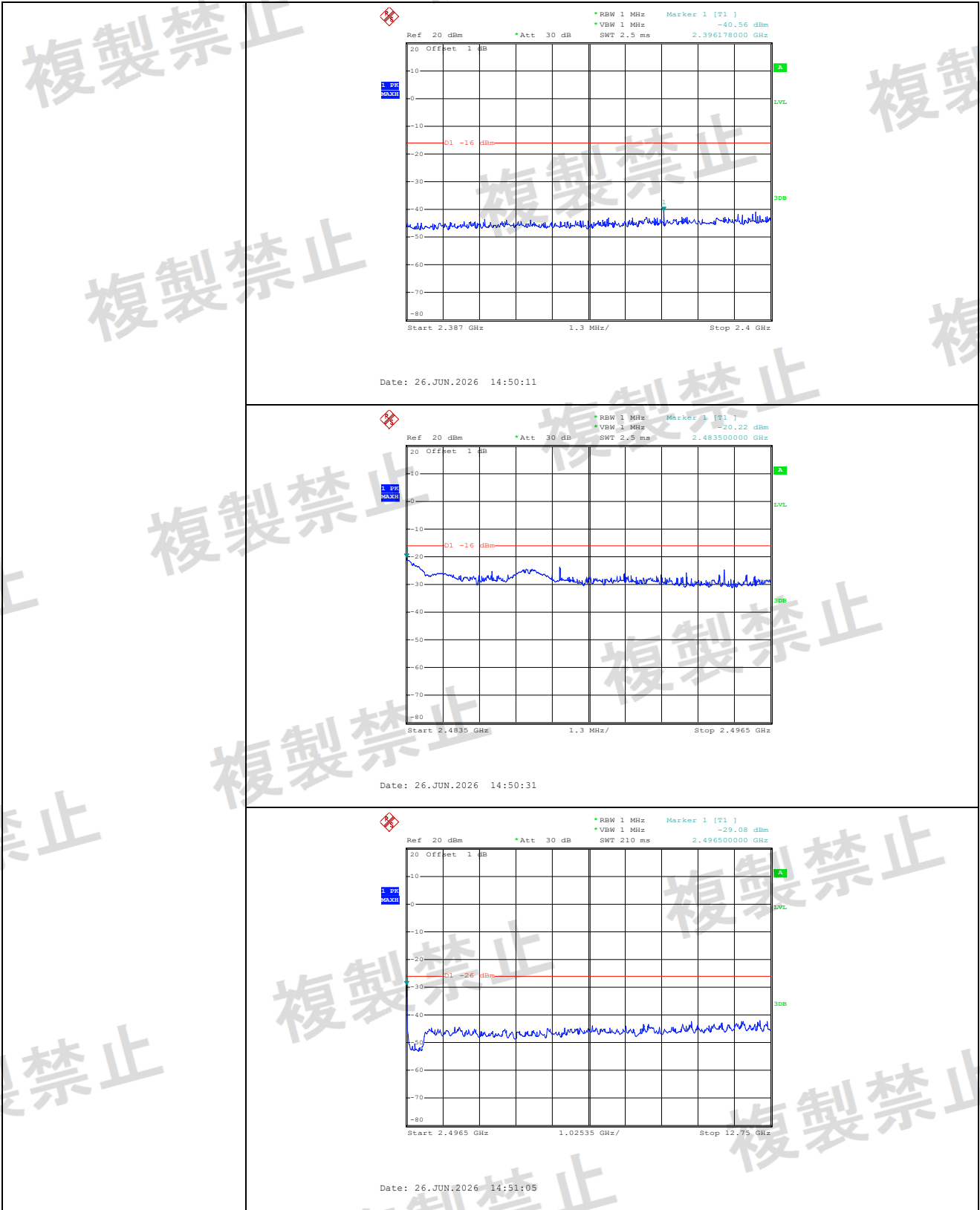
802.11n-HT40-Low











APPENDIX E**RECEIVER SPURIOUS EMISSIONS**

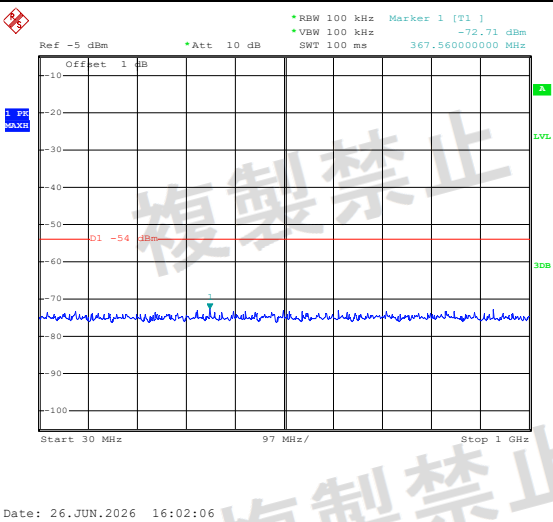
Mode	Channel	Frequency Range (MHz)	Freq. (MHz)	Reading Value	Result (nW)	Limit (nW)	Result
802.11b	Low	30-1000	367.560	-72.71dBm/100kHz	0.05	4	Pass
		1000-12750	11763.000	-62.03dBm/Mhz	0.63	20	Pass
	Middle	30-1000	840.920	-72.33dBm/100kHz	0.06	4	Pass
		1000-12750	11340.000	-62.12dBm/Mhz	0.61	20	Pass
	High	30-1000	598.420	-73.36dBm/100kHz	0.05	4	Pass
		1000-12750	11951.000	-61.97dBm/Mhz	0.64	20	Pass

4nW/100kHz=-54dBm/100kHz

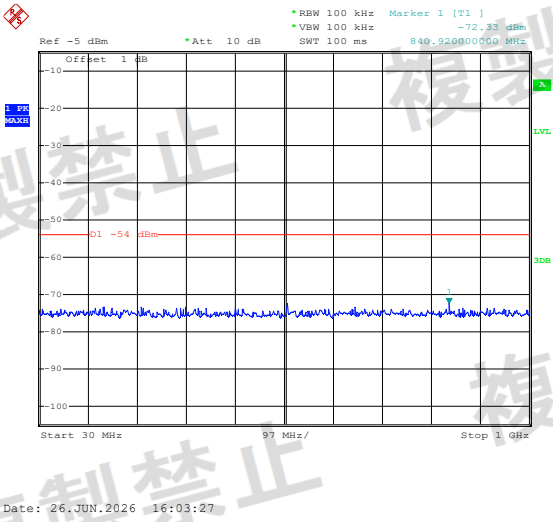
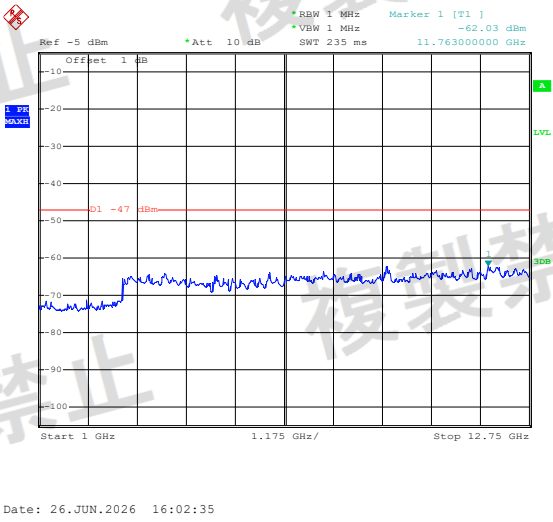
20nW/MHz=-47dBm/MHz

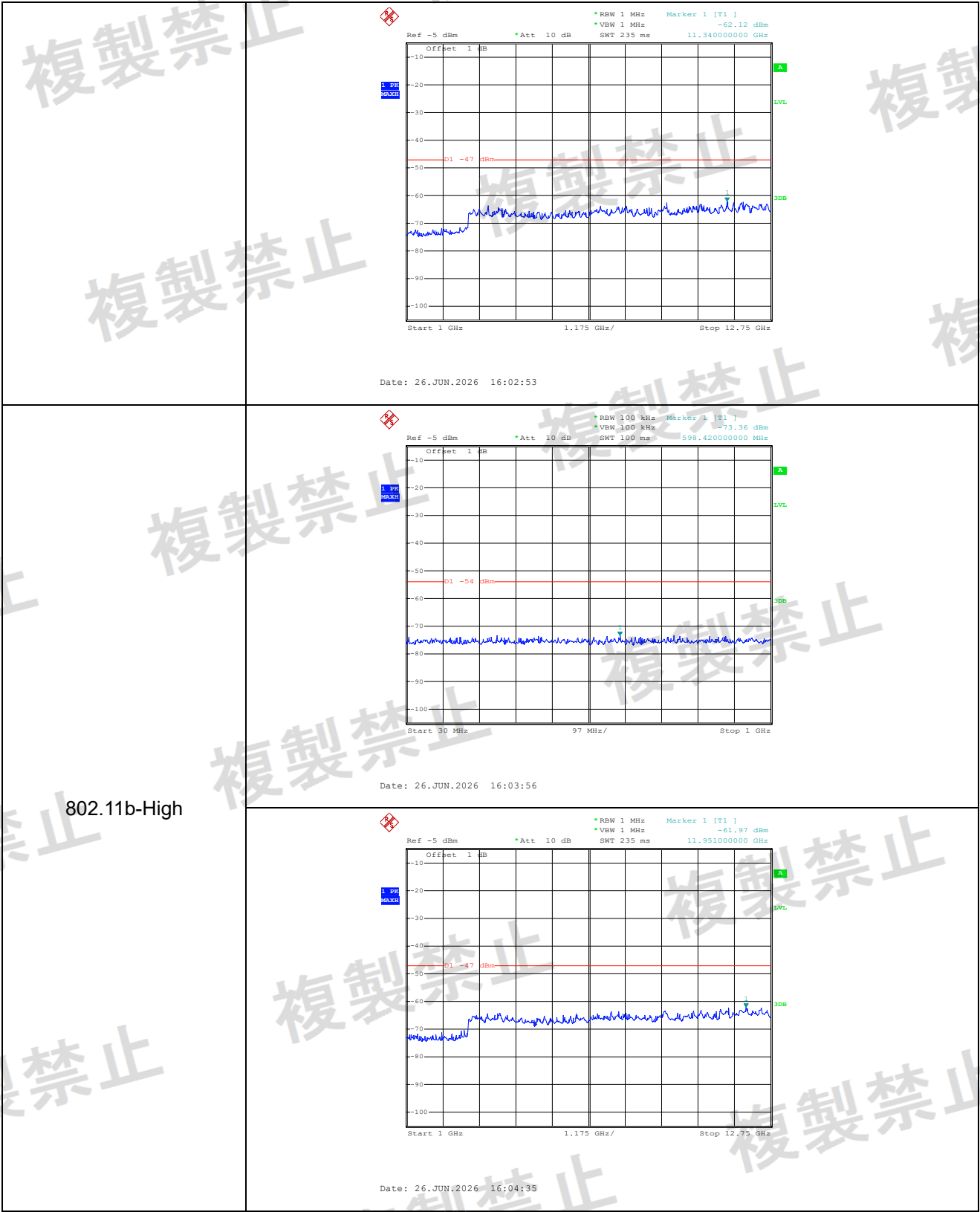
Worst case at 802.11b mode

802.11b-Low



802.11b-Middle





APPENDIX F**CARRIER SENSING FUNCTION**

Test Item	Test Result
Carrier Sensing Function	(EUT Stop RF transmission signal after carrier inject to EUT. Stop carrier inject, EUT will transmitting normal.)

Test Condition	Frequency(MHz)	Transmitting Power(dBm/MHz)
Normal Operating	2442	-5.04
Inject CW(-41.92dBm)	2442	-55.10
Stop Inject CW	2442	-5.23

Antenna is 3.04dBi.

$22.79 + Gr - 20\log(\text{freq_MHz}) = 22.79 + (3.04) - 20\log(2442) = -41.92\text{dBm}$

APPENDIX G

INTERFERENCE PREVENTION FUNCTION

Test Item	Test Result
Transmitting Function of Identification Code	Good
Receiving Function of Identification Code	Good

Identification Code	E8:70:72:8A:02:FC
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APPENDIX PHOTOGRAPHS

Please refer to “ANNEX”

***** END OF REPORT *****