

TEST REPORT

Report No.	CISRR260422421
Project No.	CISR260422421
Applicant	Dongguan Hualang Electronic Technology Co., Ltd
Address	Building 4, Changping Jewelry Cultural Industry Center, No. 568 Huanchangbei RoadChangping Town, Dongguan City, Guangdong Province, China
Manufacturer	Dongguan Hualang Electronic Technology Co., Ltd
Address	Building 4, Changping Jewelry Cultural Industry Center, No. 568 Huanchangbei RoadChangping Town, Dongguan City, Guangdong Province, China
Product Name	Keyboard Case
Trade mark	-
Model/Type reference	HL-221
Listed Model(s)	HL-200,HL-220,HL-222,HL-223,HL-225,HL-228,HL-229,HL-230,HL- 231,HL-232,HL-233,HL-235,HL-236,HL-300,HL-320 ,HL-321,HL-322,HL- 323,HL-325,HL-328,HL-329,HL-330,HL-331,HL-332,HL-333,HL-335,HL- 336
Standard	Article 2, paragraph 1, item 19
Date of sample receipt	April 24, 2026
Test date	April 24, 2026 to April 28, 2026
Issue date	April 29, 2026
Test result	Complied

Lucas Huang

Reviewed by: Lucas Huang



Approved by: Hans Hu

The test results relate only to the tested samples.

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Contents

1. REPORT VERSION	3
2. TEST DESCRIPTION	4
3. SUMMARY	5
3.1. Product Description	5
3.2. Radio Specification Description	5
3.3. Modification of EUT	6
3.4. Deviation from standards	6
3.5. Testing Site	6
4. TEST CONFIGURATION	7
4.1. Test frequency list	7
4.2. Descriptions of test mode	7
4.3. Environmental conditions	7
4.4. Test Voltage	7
4.5. Equipment Used during the Test	8
5. TEST RESULTS	9
5.1. Evaluation Results (Evaluation)	9
5.1.1. Interference Prevention Function	9
5.1.2. RF Accessibility	10
5.2. Radio Spectrum Matter Test Results (RF)	11
5.2.1. Tolerance of Frequency	11
5.2.2. Occupied Bandwidth (99%)	12
5.2.3. Antenna Power and Tolerance	13
5.2.4. Spurious Emission Intensity	15
5.2.5. Secondary Radiated Emissions	18
6. APPENDIX REPORT	20
6.1. Antenna Power	20
6.2. Occupied Bandwidth (99% BW)	22
6.3. Spreading Bandwidth (90% BW)	23
6.4. Frequency Tolerance	24
6.5. Duty Cycle	25
6.6. Spurious Emissions	27
6.7. Spurious Emissions of Receiver	31

1. REPORT VERSION

Version No.	Issue date	Description
00	April 29, 2026	Original

2. TEST DESCRIPTION

No.	Test Item	Standard Requirement	Result
1	Tolerance of Frequency	Article 2, paragraph 1, item 19	Pass
2	Occupied Bandwidth (99%)	Article 2, paragraph 1, item 19	Pass
3	Antenna Power and Tolerance	Article 2, paragraph 1, item 19	Pass
4	Spurious Emission Intensity	Article 2, paragraph 1, item 19	Pass
5	Secondary Radiated Emissions	Article 2, paragraph 1, item 19	Pass
6	Interference Prevention Function	Article 2, paragraph 1, item 19	Pass
7	RF Accessibility	Article 49-20, paragraph 1(a)	Pass

Note:

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

3. SUMMARY

3.1. Product Description

Main unit information:	
Product Name:	Keyboard Case
Trade mark:	-
Model No.:	HL-221
Listed Model(s):	HL-200,HL-220,HL-222,HL-223,HL-225,HL-228,HL-229,HL-230,HL-231,HL-232,HL-233,HL-235,HL-236,HL-300,HL-320 ,HL-321,HL-322,HL-323,HL-325,HL-328,HL-329,HL-330,HL-331,HL-332,HL-333,HL-335,HL-336
Model difference:	The differences among the series models lie in the color of the outer shell, and this is done for different marketing purposes.
Power supply:	DC 5V
Hardware version:	-
Software version:	-
Accessory unit information:	
Battery information:	DC 3.7V

3.2. Radio Specification Description

Modulation type:	GFSK
Operation frequency:	2402-2480MHz
Channel number:	40
Channel separation:	2MHz
Rated power:	2mW
Antenna type:	PCB antenna
Antenna gain:	-0.58dBi

Channel list:

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
0	2402	10	2422	20	2442	30	2462
1	2404	11	2424	21	2444	31	2464
2	2406	12	2426	22	2446	32	2466
3	2408	13	2428	23	2448	33	2468
4	2410	14	2430	24	2450	34	2470
5	2412	15	2432	25	2452	35	2472

6	2414	16	2434	26	2454	36	2474
7	2416	17	2436	27	2456	37	2476
8	2418	18	2438	28	2458	38	2478
9	2420	19	2440	29	2460	39	2480

3.3. Modification of EUT

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

3.4. Deviation from standards

None

3.5. 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
Contact information	Tel: 86-755-2319 6848, email: service@cis-cn.net Website: http://www.cis-cn.net/

4. TEST CONFIGURATION

4.1. Test frequency list

Lowest Channel (LCH) (MHz)	Middle Channel (MCH) (MHz)	Highest Channel (HCH) (MHz)
2402	2440	2480

4.2. Descriptions of test mode

No	Test mode	Description
TM1	TX mode	Keep EUT in transmitting mode
TM2	RX mode	Keep EUT in receiving mode

4.3. Environmental conditions

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

4.4. 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	4.95V
High Voltage (+10% of Normal Voltage)	5.5V	4.95V
Low Voltage (-10% of Normal Voltage)	4.5V	4.95V

4.5. Equipment Used during the Test

Tolerance of Frequency Occupied Bandwidth (99%) Antenna Power and Tolerance Spurious Emission Intensity Secondary Radiated Emissions						
Item	Equipment name	Manufacturer	Model	Serial No.	Calibration date	Due date
1	Spectrum analyzer	ROHDE&SCHWARZ	FSV-40N	CIS-EE076	2026-01-06	2027-01-05
2	Notch Filter Assembly	WCS	SMU-1003	CIS-EE093	2026-01-06	2027-01-05
3	Vector Signal Generator	Agilent	N5182A	CIS-RE012	2026-01-06	2027-01-05
4	Analog Signal Generator	Agilent	N5181A	CIS-RE013	2026-01-06	2027-01-05
5	Test software	WCS	WCN-Regulator y	CIS-EE103	/	/

5. TEST RESULTS

5.1. Evaluation Results (Evaluation)

5.1.1. Interference Prevention Function

Test Requirement:	The EUT shall support one of the following functions: - Automatic identification transmission - Automatic identification reception
Test Method:	Notification No.88 of MIC, Appendix No.43
Procedure:	(1) For EUTs capable of automatically transmitting identification data a. Transmit identification data from EUT to Demodulator b. Confirm identification data is correctly received by Demodulator (2) For EUTs capable of automatically receiving identification data a. Transmit identification data from Link Partner to EUT b. Confirm communication link is established c. Link Partner shall respond by transmitting different identification data back to the EUT d. Confirm EUT stops transmitting, or confirm EUT recognizes that the two identification data are different

5.1.1.1. Test Result

Pass

5.1.1.2. Conclusion:

The detected ID of the device is below:

EB:81:25:FE:61:00

Test result: The device meet the requirements
PASS

5.1.2. RF Accessibility

Test Requirement:

The EUT shall be constructed in such a way that sensitive RF parts, (like modulation and oscillator parts) cannot be reached easily by the user. These parts shall be covered by soldered metal caps or glue or by other mechanical covers. If the covers are fixed with screws, these shall be not the common type(s) like a Phillips, but special versions like Torx, so that the user cannot open the device with common tools.

5.1.2.1. Test Result

Pass

5.1.2.2. Conclusion:

Tamper proof declaration:

- ☐ Sealed with special screws.
- ☐ Plastic chassis is being welded using ultrasonic waves.
- ☐ Chassis is glued using a special adhesive
- ☐ Metal covers are spot-fused.
- ☐ Cover is specially interlocked.
- ☐ RF and modulation components are covered with shielding case and this shielding case is soldered.
- ☐ Shielded case is welded at RF and modulation parts, and ID-ROM is welded using the BGA method.
- ☐ Shield case is welded at RF and modulation parts, and ID-ROM is glued at its lead with a special adhesive.
- ☐ Shield case is welded at RF and modulation parts, and ID-ROM is glued with a non-transparent laminating agent.
- ☒ RF and Modulation parts are mounted on PCB with surface mount technology, and there is no any adjustable parts on PCB or adjustable parts are not exposed.

5.2. Radio Spectrum Matter Test Results (RF)

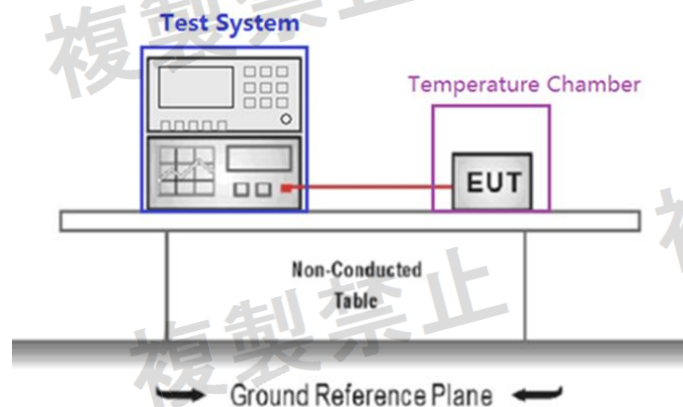
5.2.1. Tolerance of Frequency

Test Requirement:	Article 2, paragraph 1, item 19		
Test Limit:	±50ppm or less.		
Test Method:	Notification No.88 of MIC, Appendix No.43		
Procedure:	Center frequency:	Test frequency	
	Span:	1MHz	
	RBW:	10 kHz	
	VBW:	10 kHz	
	Sweep data points:	1001 or greater	
	Sweep time:	Auto	
	Detector mode:	Positive peak	
	Indication mode:	Max hold	
	If the EUT cannot transmit in un-modulated mode then modulated mode measurements can be made, as follows: If the spectrum observed using the spectrum analyzer has a characteristic dip at the center, then the center frequency of the dip shall be regarded as the center frequency of the carrier.		

5.2.1.1. E.U.T. Operation

Operating Environment:					
Temperature:	22.9 °C	Humidity:	56.1 %	Atmospheric Pressure:	102.2 kPa
Pre test mode:	TM1				
Final test mode:	TM1				

5.2.1.2. Test Setup Diagram



5.2.1.3. Test Result

Pass

5.2.1.4. Test Data

Please Refer to Appendix for Details.

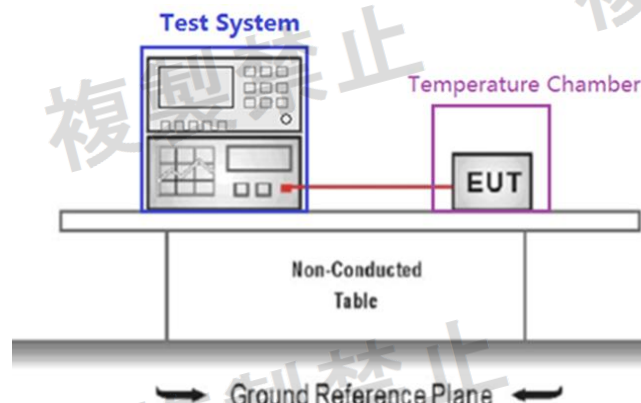
5.2.2. Occupied Bandwidth (99%)

Test Requirement:	Article 2, paragraph 1, item 19	
Test Limit:	For DSSS or other modulation: The measured bandwidth at the low and high channels shall meet the following requirements: - The lowest frequency of the measured bandwidth shall not be less than 2400 MHz - The highest frequency of the measured bandwidth shall not be greater than 2483.5 MHz [Occupied Bandwidth] 26 MHz or less	
Test Method:	Notification No.88 of MIC, Appendix No.43	
Procedure:	enter frequency:	Test frequency
	Span:	2 - 3.5 times the technical standard
	RBW:	Within 3% of the technical standard
	VBW:	Same as RBW
	Sweep data points:	1001 or greater
	Sweep time:	Auto
	Detector mode:	Positive peak
	Indication mode:	Max hold
	BW setting:	99%

5.2.2.1. E.U.T. Operation

Operating Environment:					
Temperature:	22.4 °C	Humidity:	55.3 %	Atmospheric Pressure:	102.2 kPa
Pre test mode:	TM1				
Final test mode:	TM1				

5.2.2.2. Test Setup Diagram



5.2.2.3. Test Result

Pass

5.2.2.4. Test Data

Please Refer to Appendix for Details.

5.2.3. Antenna Power and Tolerance

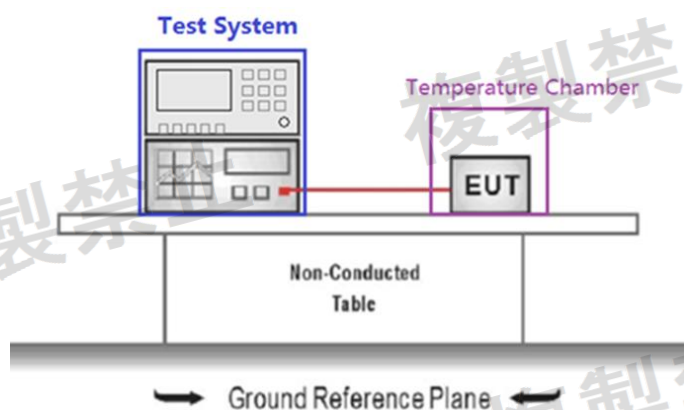
Test Requirement:	Article 2, paragraph 1, item 19	
Test Limit:	Antenna Power: 10 mW or less Tolerance: +20% or less EIRP: 22.14dBm	
Test Method:	Notification No.88 of MIC, Appendix No.43	
Procedure:	[Setting 1] – Search for peak power frequency	
	Center Frequency:	Test frequency
	Span:	Approximately twice the occupied bandwidth
	RBW:	1MHz
	VBW:	Approximately three times the RBW
	Sweep time:	Auto
	Sweep data points:	1001 or greater
	Detector mode:	Positive peak
	Indication mode:	Max hold
	[Setting 2] – Measurement of average antenna power for FHSS, DSSS, OFDM	
	Frequency:	Frequency of peak power found using [Setting 1]
	Span:	0 Hz
	RBW:	3 MHz (FHSS-Channel Spacing $\leq$ 1MHz) 1MHz (DSSS, OFDM, FHSS-Channel Spacing $>$ 1MHz)
	Detector mode:	Sample
	Sweep:	Minimum time required to make an accurate measurement.
		For burst type (intermittent) transmission sweep time shall be greater than one burst interval
	Sweep data points:	1001 or greater
	[Setting 3] – Measurement of average antenna power other than for FHSS, DSSS, OFDM	
	Frequency:	Frequency of peak power found using [Setting 1]
	Span:	0 Hz
	RBW:	Bandwidth sufficient to cover that occupied by the carrier
	VBW:	Bandwidth sufficient to cover that occupied by the carrier
	Detector mode:	Sample
	Sweep:	Minimum time required to make an accurate measurement.
		For burst type (intermittent) transmission sweep time shall be greater than one burst interval
	Sweep data points:	1001 or greater
	(1) After configuring the spectrum analyzer to [Setting 1], find the frequency of	

	maximum transmitted power (2) After configuring the spectrum analyzer to [Setting 3], measure the Average Burst Power of the frequency found in (1) Antenna Power (Watts) = Average Burst Power
--	--

5.2.3.1. E.U.T. Operation

Operating Environment:					
Temperature:	22.2 °C	Humidity:	56.9 %	Atmospheric Pressure:	102.2 kPa
Pre test mode:	TM1				
Final test mode:	TM1				

5.2.3.2. Test Setup Diagram



5.2.3.3. Test Result

Pass

5.2.3.4. Test Data

Please Refer to Appendix for Details.

5.2.4. Spurious Emission Intensity

Test Requirement:	Article 2, paragraph 1, item 19	
Test Limit:	(1) Below 2387 MHz: 2.5 μW (-26 dBm)/MHz or less (2) 2387 to 2400 MHz: 25.0 μW (-16 dBm)/MHz or less (3) 2483.5 to 2496.5 MHz: 25.0 μW (-16 dBm)/MHz or less (4) Over 2496.5 MHz: 2.5 μW (-26 dBm)/MHz or less	
Test Method:	Notification No.88 of MIC, Appendix No.43	
Procedure:	[Setting 1]	
	Frequency range:	(see Note 1)
	RBW:	1 MHz
	VBW:	1 MHz
	Sweep time:	Minimum time required to make an accurate measurement
	Sweep Data Points:	1001 or greater
	Detector mode:	Positive peak
	Indication mode:	Max hold (see Note 2)
	Note 1:	Measurement range shall be 30 MHz to 12.5 GHz, except for the following cases: -FHSS, FHSS+DSSS, FHSS+OFDM:2374 MHz to 2509.5 MHz -Other than FHSS, FHSS+DSSS, FHSS+OFDM: 2400 MHz to 2483.5 MHz
	Note 2:	Sweep shall be repeated until the max hold waveform is stable.
	[Setting 2]	
	Center frequency:	Frequency of spurious emission found using [Setting 1]
	Span:	0 Hz
	RBW:	1 MHz
	VBW:	1 MHz
	Sweep time:	Minimum time required to make an accurate measurement. For burst type (intermittent) spurious emissions, sweep time shall be greater than one burst interval
	Sweep Data Points:	1001 or greater
	Detector mode:	Sample
	[Setting 3]	
	Frequency range:	2374 MHz to 2400 MHz 2483.5 MHz to 2509.5 MHz
	RBW:	30 kHz
	VBW:	30 kHz
	Sweep time:	Minimum time required to make an accurate measurement.
	Sweep data points:	1001 or greater

Detector mode:	Positive peak
Indication mode:	Max hold

(1) After configuring the spectrum analyzer to [Setting 1], search for spurious emissions from 30 MHz to 12.5 GHz. If the sweep range does not cover the required measurement frequency range then the measurement range will need to be divided into sufficient sections of size [RBW x Sweep Data Points]. If spurious emissions greater than [Limit - 3dB] are found, then more detailed measurements are required, go to step (2)

(2) Configure the spectrum analyzer using [Setting 2] and measure the average signal amplitude.
If the spurious emission is burst type (intermittent), then the average value shall not include signal OFF time.
If spurious emissions ranging from 30 MHz to 2374 MHz and from 2509.5MHz to 12.5GHz are over the limit, then the test result is Fail.
If spurious emissions ranging from 2374 MHz to 2400 MHz and from 2483.5 MHz to 2509.5 MHz are over the limit, then further detailed measurements are required, go to step (3)

(3) In the following cases, measure the spurious emissions using [Setting 3]
- Case1: FHSS, FHSS+DSSS, FHSS+OFDM
- Case2: Other than FHSS, FHSS+DSSS, FHSS+OFDM, and the spurious emissions in step (2) are over the limit

(4) Calculate the spurious emission value (Calculated Value) using following the formula below:
Calculated Value = (Measured Value using (3) + 15.2dB)
Note: 15.2dB adjustment is derived from the Conversion Factor of RBW
Conversion Factor of RBW = 10 x Log (Reference Bandwidth / RBW of measurement) = 15.2 [dB] Where: Reference Bandwidth = 1 MHz
RBW of measurement = 30 kHz

(5) If the calculated value using (4) is over the Limit (section 6.7), go to (6)

(6) Configure the spectrum analyzer to [Setting 3] then make the following changes:
Frequency: Frequency of spurious emission
Span: 1 MHz

(7) After sweep, send the span data set to the PC

(8) Convert measured data from dBm to Watts

(9) Sum all the data using the formula below. If the sum is within the limit, the test result is Pass, otherwise, Fail

$$P_s = \left(\sum_{i=1}^n E_i \right) \times \frac{S_w}{RBW \times k \times n}$$

Ps: Sum (Watts)

Ei: Measured value at each point in the Span (Watts) Sw: Span (1MHz)

n: Number of measurement points in the Span

k: Correction factor for Equivalent Noise Bandwidth, specific to each spectrum analyzer, check the instrument user guide

RBW: Resolution Bandwidth (MHz).

(10) If the EUT has multiple antennas, measure the spurious emission form each individual antenna using steps (1) through (9)

(11) Convert the individual antenna spurious level measurements (step (10)) from dB to absolute values

(12) Combine (sum) the absolute values of the spurious measurements at each frequency for each antenna (to create a single composite spectrum of spurious emissions)

(13) Ensure that the composite spectrum does not exceed the Limit defined in 6.7 (Technical Standard)

(14) Configuring the spectrum analyzer using [Setting 3] and measure the spurious

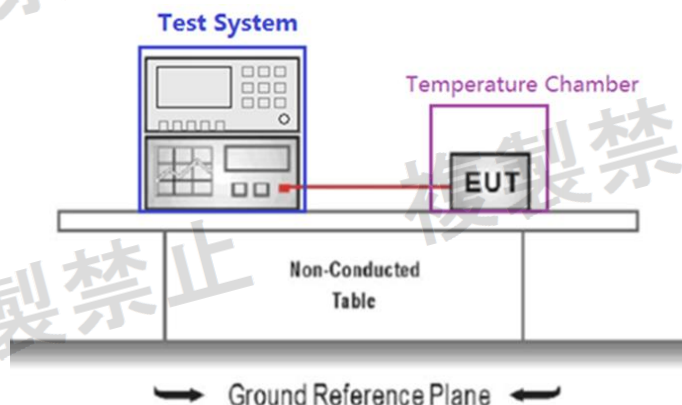
emissions with all the antennas electrically combined

5.2.4.1. E.U.T. Operation

Operating Environment:

Temperature:	22.1 °C	Humidity:	56.4 %	Atmospheric Pressure:	102.2 kPa
Pre test mode:	TM1				
Final test mode:	TM1				

5.2.4.2. Test Setup Diagram



5.2.4.3. Test Result

Pass

5.2.4.4. Test Data

Please Refer to Appendix for Details.

5.2.5. Secondary Radiated Emissions

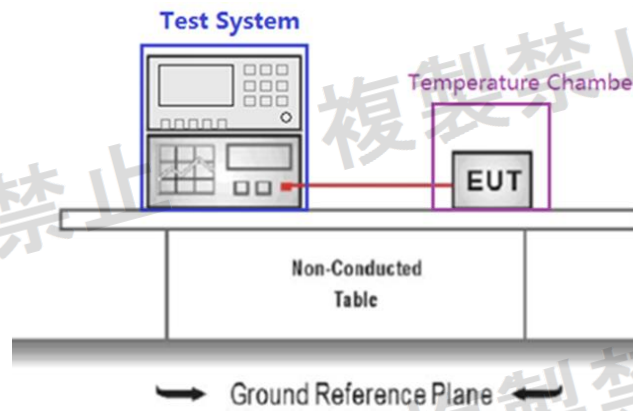
Test Requirement:	Article 2, paragraph 1, item 19	
Test Limit:	(1) Below 1 GHz: 4 nW (-54dBm) or less (2) Above 1 GHz: 20 nW (-47dBm) or less	
Test Method:	Notification No.88 of MIC, Appendix No.43	
Procedure:	[Setting 1]	
	Frequency range:	30 MHz ~ 12.5 GHz
	RBW:	Below 1 GHz:100 kHz
		Above 1 GHz:1 MHz
	VBW:	Below 1 GHz:100 kHz
		Above 1 GHz:1 MHz
	Sweep time:	Auto
	Sweep data points:	1001 or greater
	Detector mode:	Positive peak
	Indication mode:	Max hold
	[Setting 2]	
	Center Frequency:	Frequency of spurious emission found using [Setting 1]
	Span:	0 Hz
	RBW:	Below 1 GHz:100 kHz
		Above 1 GHz:1 MHz
	VBW:	Below 1 GHz:100 kHz
		Above 1 GHz:1 MHz
	Sweep time:	Auto
	Sweep data points:	1001 or greater
	Detector mode:	Sample
	(1) Configure the spectrum analyzer to [Setting 1] and then search for spurious emissions in the range 30 MHz to 12.5GHz. If the sweep range does not cover the required measurement frequency range then the measurement range will need to be divided into sufficient sections of size [RBW x Sweep Data Points].	
	(2) If spurious emissions are found with an amplitude greater than [Limit - 10dB] then perform further detailed measurements as described in (3)	
	(3) Configure the spectrum analyzer using [Setting 2] and measure the average signal amplitude.	
	If the spurious emission is burst type (intermittent), then the average value shall not include signal OFF time Multiple Antenna Systems	
	If the EUT has multiple antennas then emissions from each antenna shall be measured individually, as described below	
	(4) For each antenna repeat steps (1) through (3). Convert all spurious level measurements from dB to absolute value	
	(5) Combine (sum) the absolute values of the spurious measurements at each frequency for each antenna (to create a single composite spectrum of spurious emissions)	
(6) Ensure that the composite spectrum does not exceed the Limit		

5.2.5.1. E.U.T. Operation

Operating Environment:				
Temperature:	22.9 °C	Humidity:	56.6 %	Atmospheric Pressure: 102.2 kPa
Pre test mode:	TM2			

Final test mode: TM2

5.2.5.2. Test Setup Diagram



5.2.5.3. Test Result

Pass

5.2.5.4. Test Data

Please Refer to Appendix for Details.

6. APPENDIX REPORT

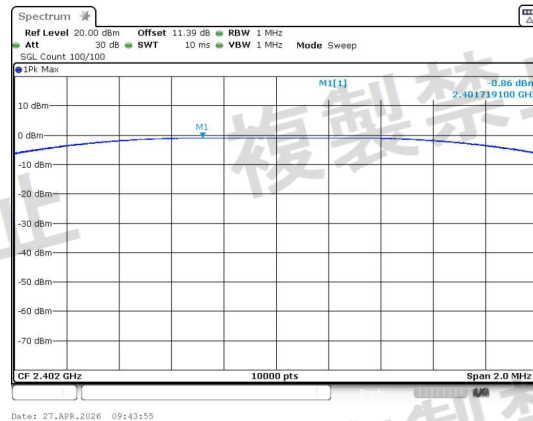
6.1. Antenna Power

Condition	Modulation	Frequency (MHz)	Antenna power (dBm)	Antenna power (mW)	Limit (mW)	Result
NT/NV	BLE 1M	2402	-0.86	0.8204	10	PASS
	BLE 1M	2440	-2.98	0.5035	10	PASS
	BLE 1M	2480	-0.38	0.9162	10	PASS

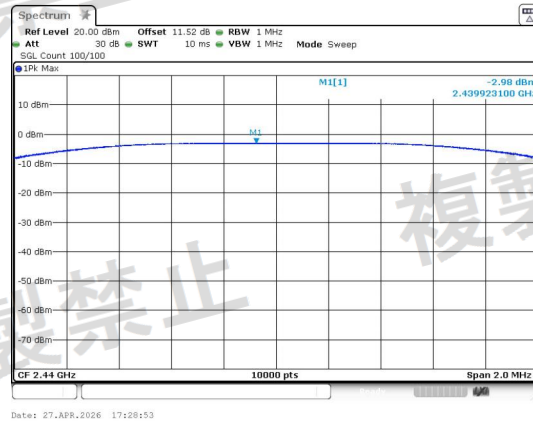
Condition	Modulation	Frequency (MHz)	Rated power (mW)	Tolerance (%)	Tolerance Limit (%)	Result
NT/NV	BLE 1M	2402	2	-59.00%	+20	PASS
	BLE 1M	2440	2	-75.00%	+20	PASS
	BLE 1M	2480	2	-54.00%	+20	PASS

Condition	Mode	Frequency (MHz)	Gain(dBi)	EIRP(mW)	Limit (mW)	Result
NT/NV	BLE 1M	2402	-0.58	0.7178	16.3682	PASS
		2440	-0.58	0.4406	16.3682	PASS
		2480	-0.58	0.8017	16.3682	PASS

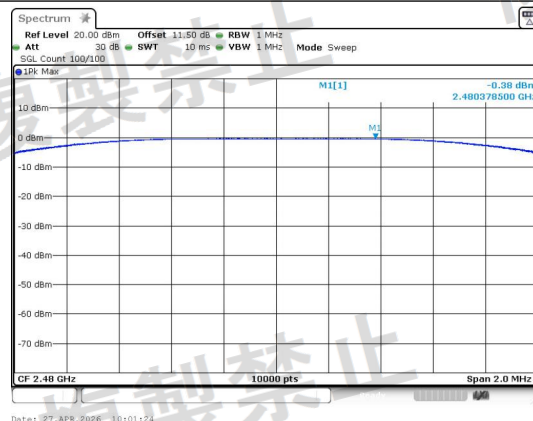
Test Graphs



the peak value of the power envelope
NT/NV_BLE 1M_Channel 0



the peak value of the power envelope
NT/NV_BLE 1M_Channel 19



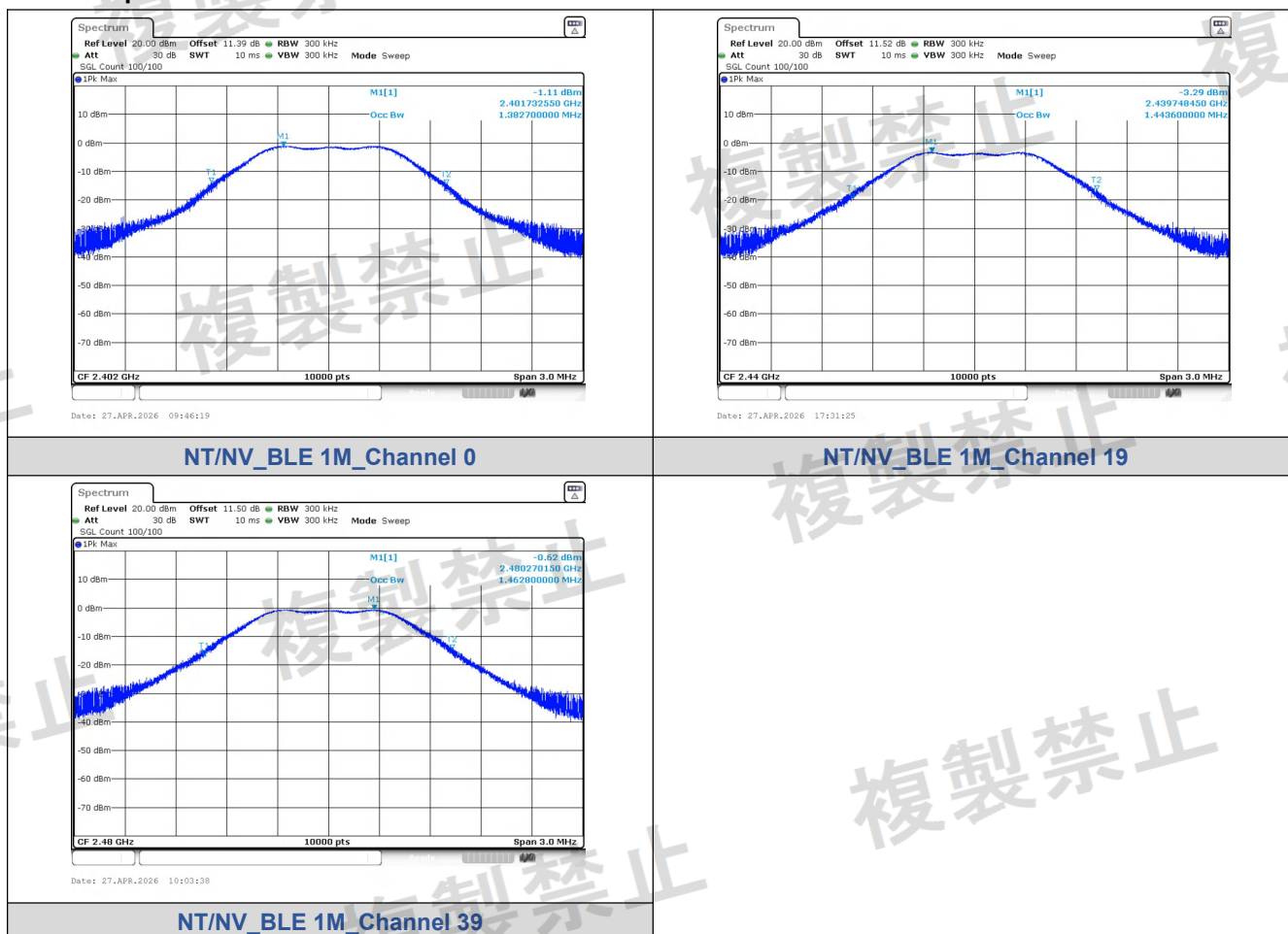
the peak value of the power envelope
NT/NV_BLE 1M_Channel 39

6.2. Occupied Bandwidth (99% BW)

Test Result

Condition	Mode	Channel	Frequency (MHz)	99% BW (MHz)	Limit (MHz)	Result
NT/NV	BLE 1M	0	2402	1.3827	26	PASS
		19	2440	1.4436		PASS
		39	2480	1.4628		PASS

Test Graphs



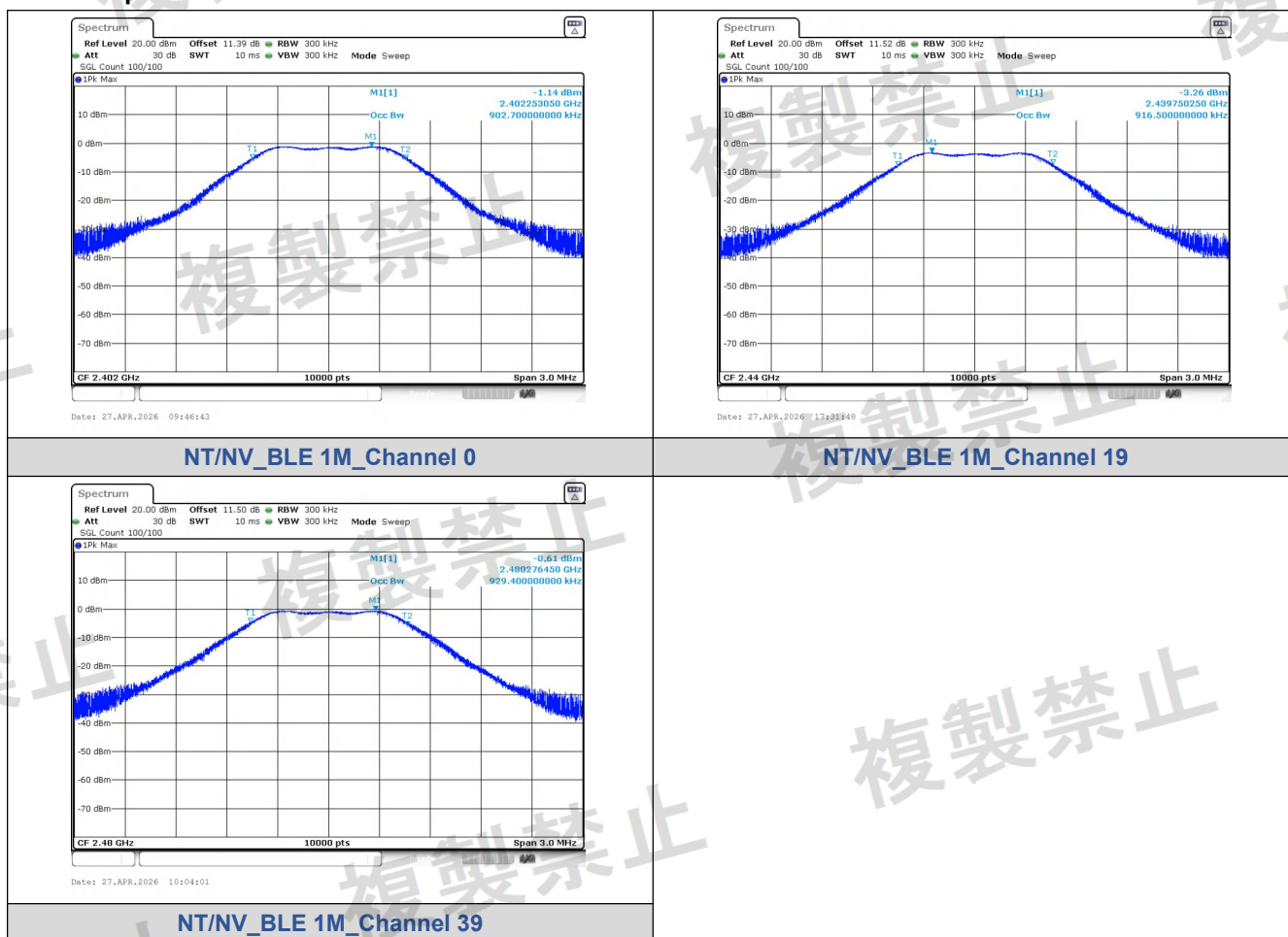
6.3. Spreading Bandwidth (90% BW)

Test Result

Condition	Mode	Channel	Frequency (MHz)	90% SBW (MHz)	Spreading factor	Result
NT/NV	BLE 1M	0	2402	0.90270	14.4432	PASS
		19	2440	0.91650	14.664	PASS
		39	2480	0.92940	14.8704	PASS

Note: Spreading Factor = 90% Bandwidth / 0.0625.

Test Graphs



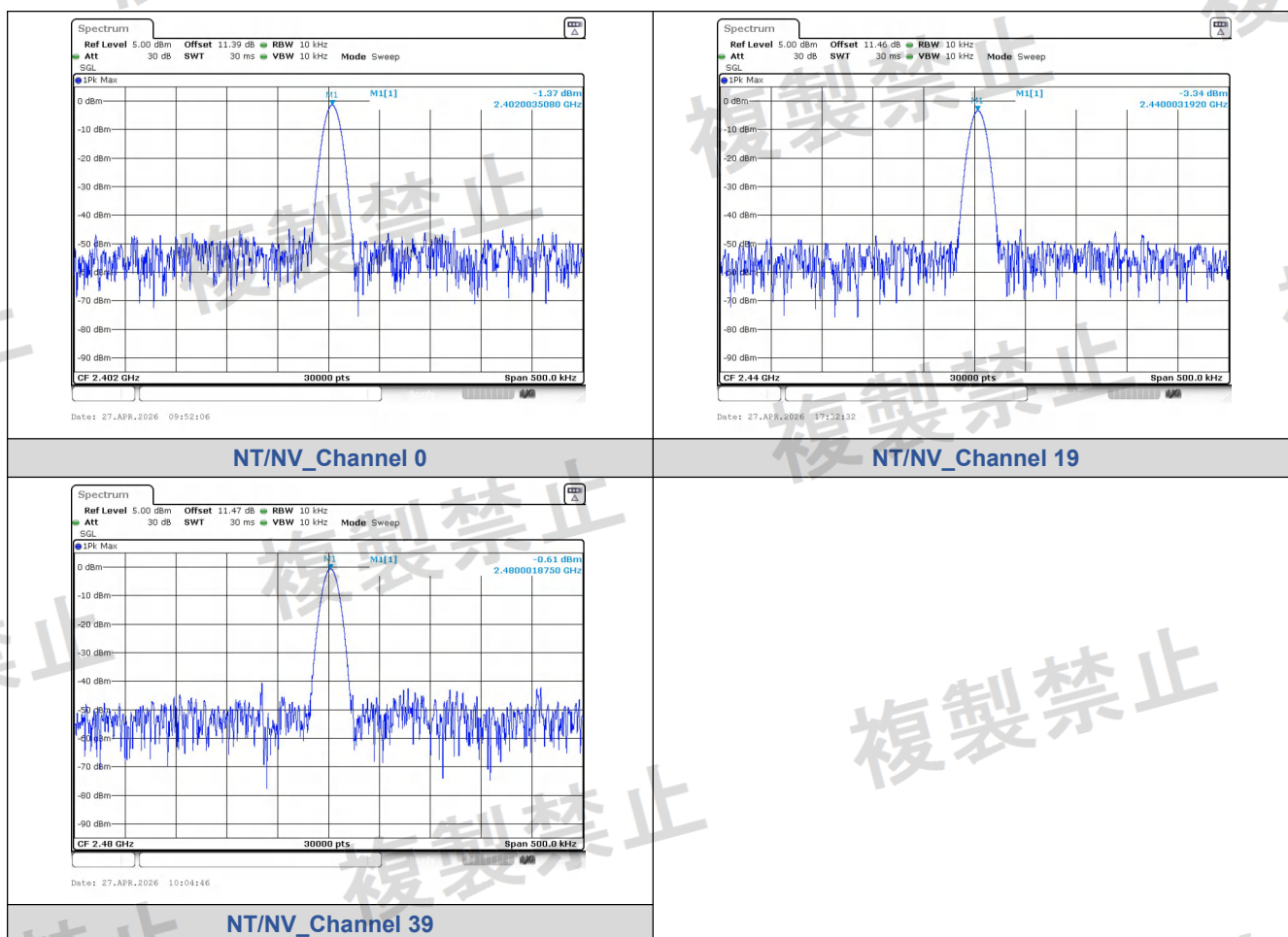
6.4. Frequency Tolerance

Test Result

Condition	Mode	Ch.	Center Frequency (MHz)	Measured Value (MHz)	Deviation (ppm)	Limit (ppm)	Result
NT/NV	BLE 1M(CW)	0	2402	2402.0035080	1.46	± 50	PASS
		19	2440	2440.0031920	1.31		PASS
		39	2480	2480.0018750	0.76		PASS

Test Graphs

NT/NV

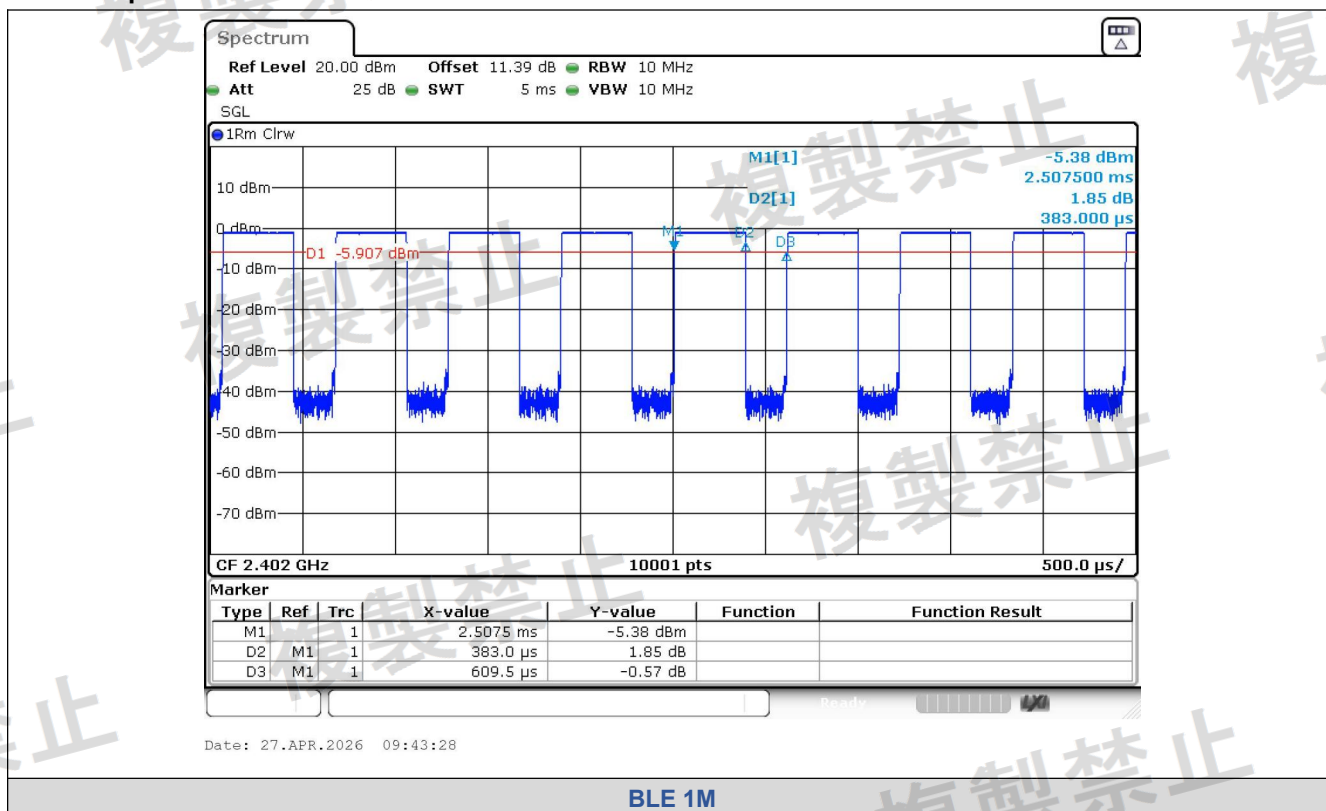


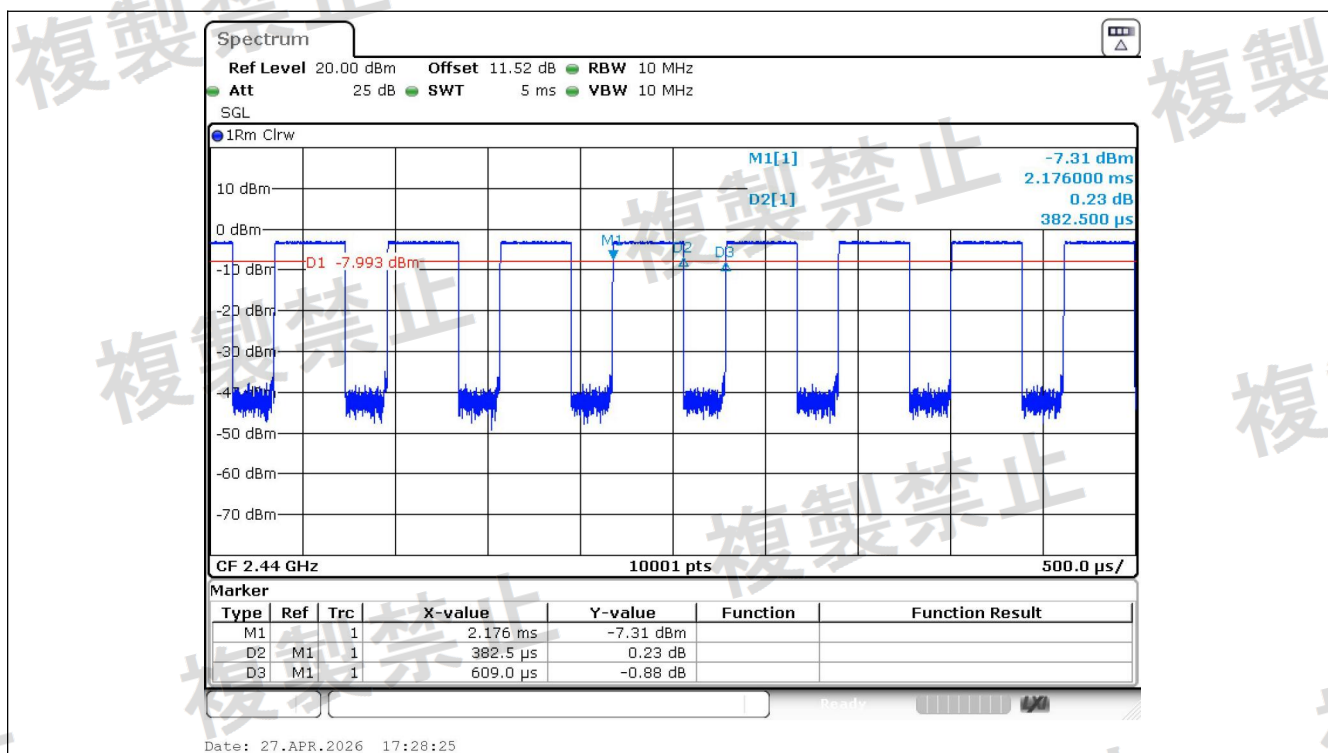
6.5. Duty Cycle

Test Result

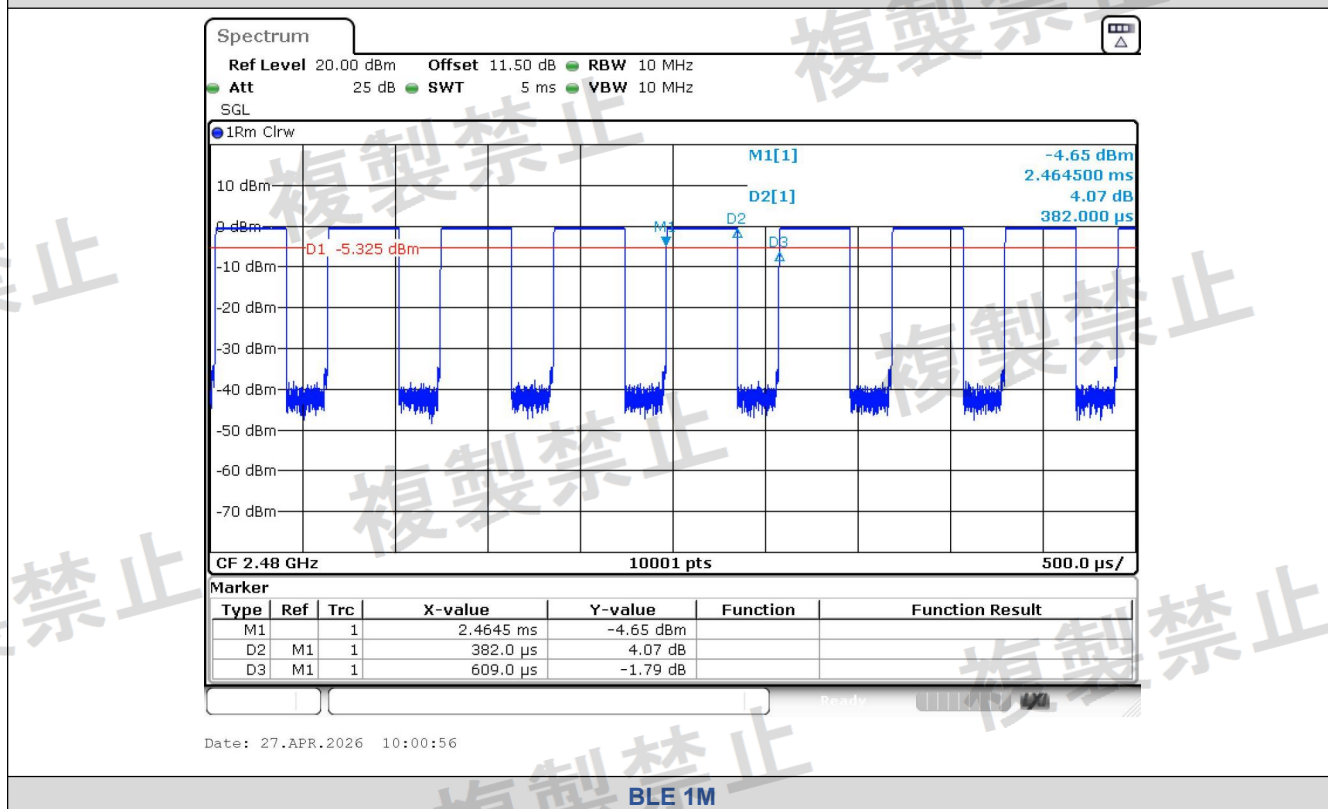
Mode	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)
BLE 1M	0	0.383	0.610	62.84	0.6284	2.0176
	19	0.382	0.609	62.81	0.6281	2.0197
	39	0.382	0.609	62.73	0.6273	2.0252

Test Graphs





BLE 1M



BLE 1M

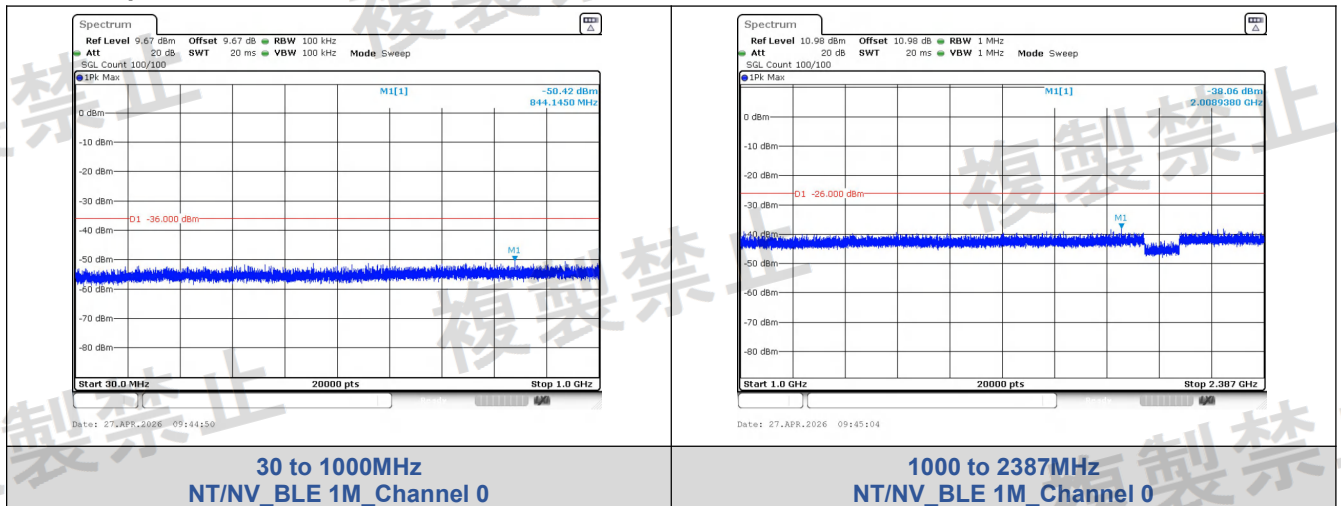
6.6. Spurious Emissions

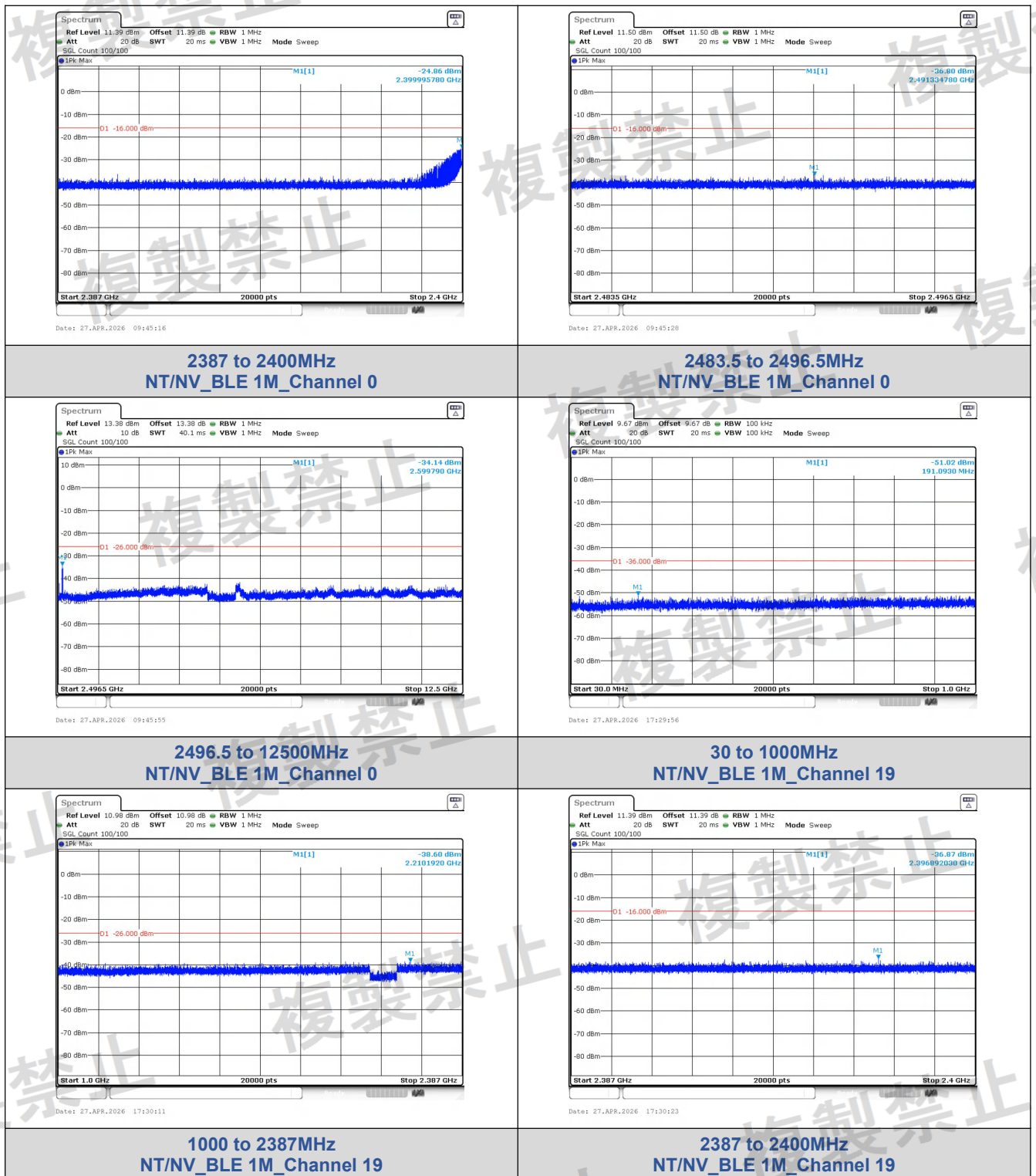
Test Result

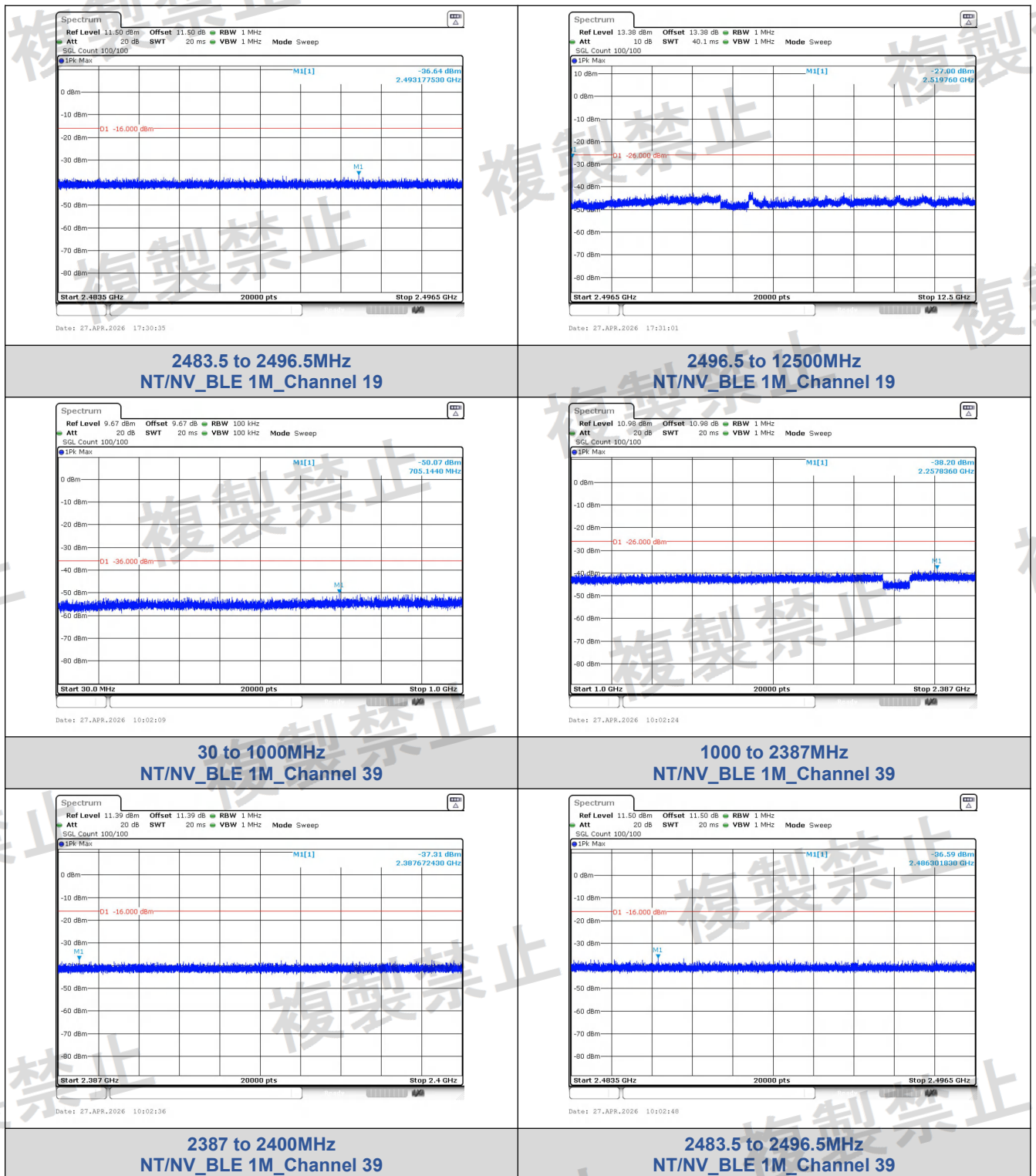
BLE_1M

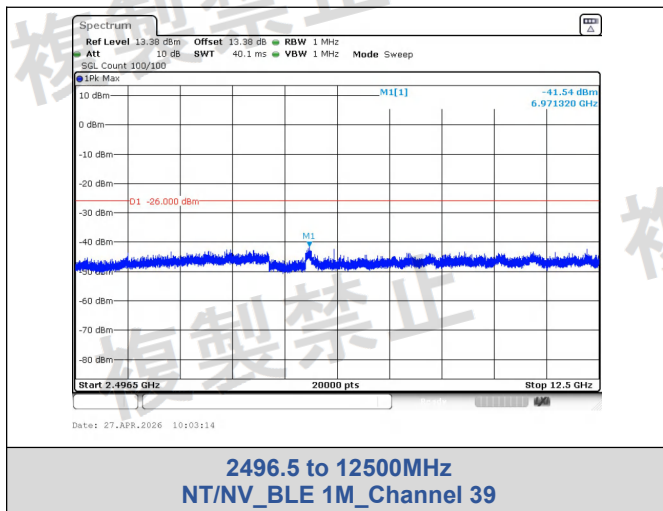
Condition	Channel	Frequency Range (MHz)	Peak (MHz)	Measured Value (dBm/MHz)	Measured Value (uW/MHz)	Limit (uW/MHz)	Result
NT/NV	Lowest Channel	30 to 1000	844.145	-40.420	0.091	≤0.25	PASS
		1000 to 2387	2008.938	-38.060	0.156	≤2.5	PASS
		2387 to 2400	2399.996	-24.860	3.266	≤25	PASS
		2483.5 to 2496.5	2491.335	-36.800	0.209	≤25	PASS
		2496.5 to 12500	2599.790	-34.140	0.385	≤2.5	PASS
	Middle Channel	30 to 1000	191.093	-41.020	0.079	≤0.25	PASS
		1000 to 2387	2210.192	-38.600	0.138	≤2.5	PASS
		2387 to 2400	2396.892	-36.870	0.206	≤25	PASS
		2483.5 to 2496.5	2493.178	-36.640	0.217	≤25	PASS
		2496.5 to 12500	2519.760	-27.000	1.995	≤2.5	PASS
	Highest Channel	30 to 1000	705.144	-40.070	0.098	≤0.25	PASS
		1000 to 2387	2257.836	-38.200	0.151	≤2.5	PASS
		2387 to 2400	2387.672	-37.310	0.186	≤25	PASS
		2483.5 to 2496.5	2486.302	-36.590	0.219	≤25	PASS
		2496.5 to 12500	6971.320	-41.540	0.07	≤2.5	PASS

Test Graphs









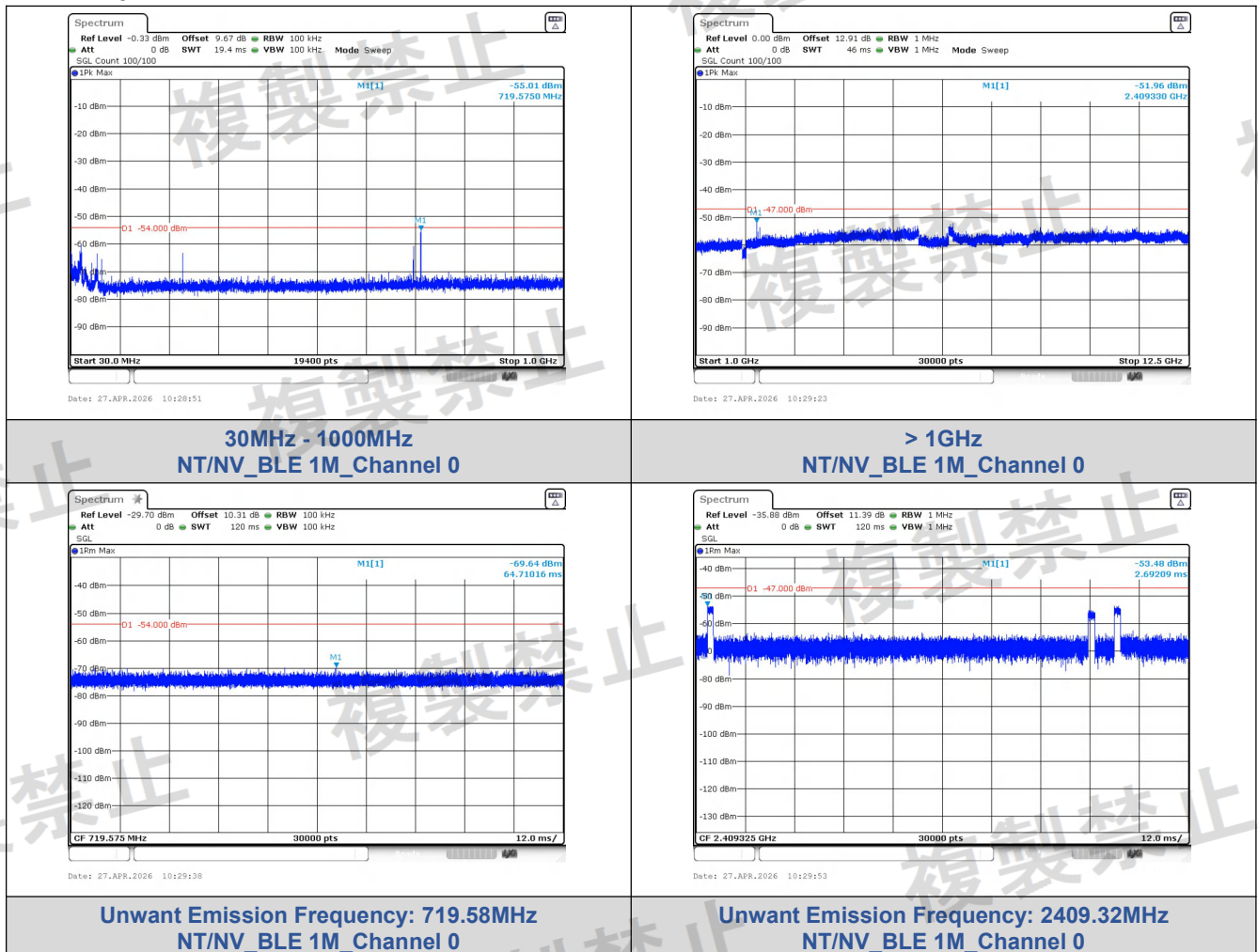
6.7. Spurious Emissions of Receiver

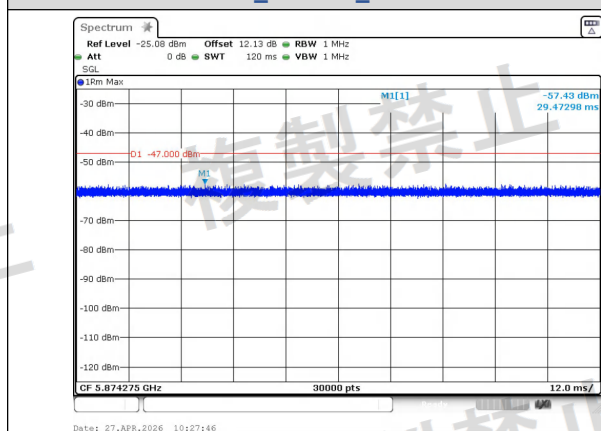
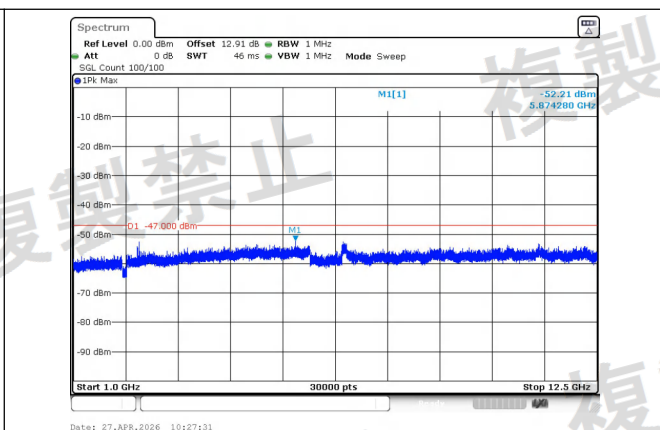
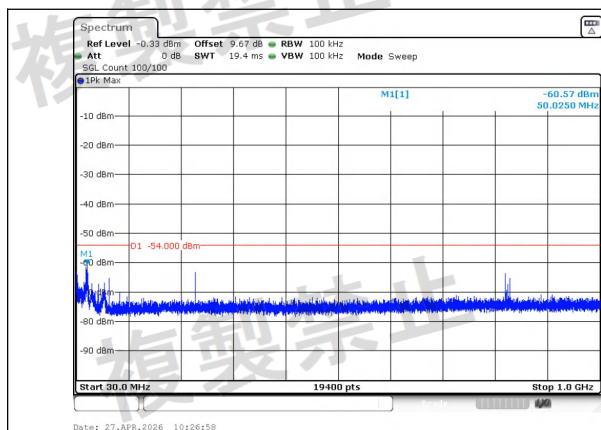
Test Result

BLE 1M

Condition	Channel	Frequency Range (MHz)	Peak (MHz)	Measured Value (dBm)	Limit		Result
					dBm	nW	
NT/NV	0	30 to 1000	719.575	-69.640	-54	≤4	PASS
		1000 to 12500	2409.325	-53.480	-47	≤20	PASS
	39	30 to 1000	50.025	-60.566	-54	≤4	PASS
		1000 to 12500	5874.275	-57.430	-47	≤20	PASS

Test Graphs





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