

RF TEST REPORT

Test Report No.....: RF260518004-02-001

Product(s) Name.....: Electronic Shelf Label

Model(s).....: SLIM-154BWRY, (Please refer to the details of EUT on page 4)

Trade Mark.....: HONORLINK

Applicant.....: ZHEJIANG HONORLINK DIGITAL TECHNOLOGY CO., LTD

Address.....: 3906, Jiangdong 3rd Road, Qiantang District, Hangzhou, Zhejiang
Province

Receipt Date.....: 2026.06.10

Test Date.....: 2026.06.29 ~ 2026.06.30

Issued Date.....: 2026.07.06

Standards.....: MIC Notice No.88 Appendix No.43 Article 2, Paragraph 1, Item 19 Rules
Section

Testing Laboratory.....: Shenzhen Haiyun Standard Technical Co., Ltd.

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History of this test report

Original Report Issue Date: 2026.07.06

- ☒ No additional attachment
- ☐ Additional attachments were issued following record

Attachment No.	Issue Date	Description

1. GENERAL INFORMATION

1.1 Product Description for Equipment under Test (EUT)

Test sample no.	POC260518004-S002
Product name	Electronic Shelf Label
Model name	SLIM-154BWRY,SLIM-213BWRY,SLIM-213BW-LOW, CLOTH-213BWRY,SLIM-266BW-LOW,SLIM-266BWRY, SLIM-290BWRY,SLIM-350BWRY,SLIM-370BWRY, SLIM-420BWRY,SLIM-583BWRY,SLIM-750BWRY, SLIM-970BWRY,SLIM-1330BWR,SLIM-1330E6
Test model	SLIM-154BWRY
Model difference	Only the model name are different.
Trade Mark	HONORLINK
Power supply	DC 3V from battery
Radio Type	SRD
Type of Modulation	GFSK
Frequency Range	2401-2461 MHz
Rated Power	0.5mW
Antenna Type	Integrated Antenna
Antenna Gain	2dBi
Applicant	ZHEJIANG HONORLINK DIGITAL TECHNOLOGY CO., LTD
Address	3906, Jiangdong 3rd Road, Qiantang District, Hangzhou, Zhejiang Province
Manufacturer	ZHEJIANG HONORLINK DIGITAL TECHNOLOGY CO., LTD
Address	3906, Jiangdong 3rd Road, Qiantang District, Hangzhou, Zhejiang Province
Sample/EUT Status	Good condition

1.2 System Test Configuration

1.2.1 Channel List

EUT was tested with Channel 2401MHz, 2430MHz, 2461MHz.

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	2401	17	2417	33	2433	49	2449
2	2402	18	2418	34	2434	50	2450
3	2403	19	2419	35	2435	51	2451
4	2404	20	2420	36	2436	52	2452
5	2405	21	2421	37	2437	53	2453
6	2406	22	2422	38	2438	54	2454
7	2407	23	2423	39	2439	55	2455
8	2408	24	2424	40	2440	56	2456
9	2409	25	2425	41	2441	57	2457
10	2410	26	2426	42	2442	58	2458
11	2411	27	2427	43	2443	59	2459
12	2412	28	2428	44	2444	60	2460
13	2413	29	2429	45	2445	61	2461
14	2414	30	2430	46	2446		
15	2415	31	2431	47	2447		
16	2416	32	2432	48	2448		

1.2.2 EUT Exercise Software

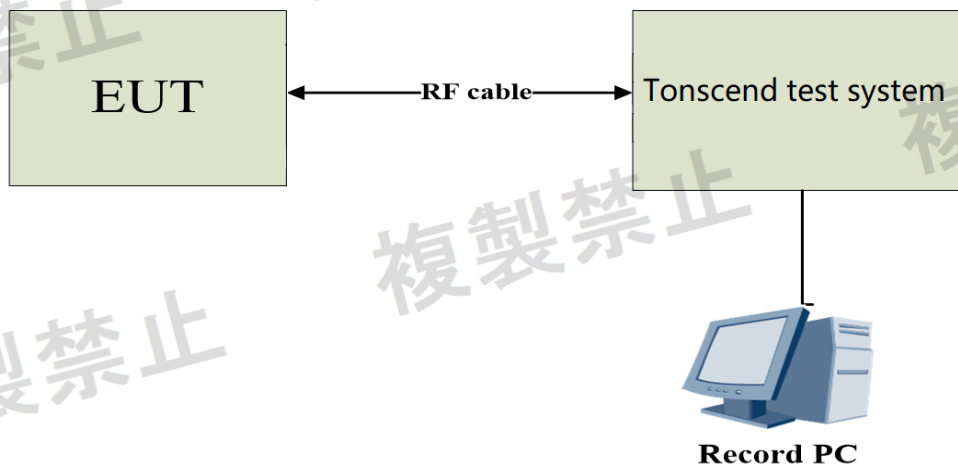
During testing channel & power controlling software provided by the customer was used to control the operating channel as well as the output power level.

Test Software Version	SecureCRT		
Frequency (MHz)	2401	2430	2461
1Mbps	Default	Default	Default

1.2.3 Support Equipment

No.	Equipment	Model	Manufacturer	Series No
1	/	/	/	/

1.2.4 Block Diagram of Configuration



1.2.5 Test Voltage

The EUT has its own voltage regulator principle to chip TLSR8359ET32, the output voltage of the chip is 3.3V and the fluctuation of power supply to the RF circuit of EUT is equal to or less than +/- 1%. So exempt extremely high and low supply voltage condition tests, EUT only operated in normal voltage to test all regulations.

When an extreme voltage is supplied to the tablet, the power deviation of the tablet's output is less than 1%. Therefore, testing is only conducted under normal conditions.

Condition	Input (V/AC)	Input (V/DC)
NV	/	3
LV	/	2.7
HV	/	3.3

1.2.6 Environmental Conditions

During the measurement the environmental conditions were within the listed ranges:

- Temperature: 15~35°C
- Humidity: 45~75%
- Atmospheric pressure: 86-106 kPa

1.2.7 EUT Configuration

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner which intends to maximize its emission characteristics in a continuous normal application.

1.2.8 Special Accessories

Not available for this EUT intended for grant.

1.3 Summary of Test Results

MIC Notice No.88 Appendix No.43 Article 2, Paragraph 1, Item 19 Rules Section	Description of Test	Test result
3	Frequency Error	PASS
4	Occupied Bandwidth	PASS
5	Spurious emission intensity	PASS
6	Antenna Output Power and Output Power Tolerance	PASS
7	Limit Of Secondary Spurious Emissions	PASS
8	Transmission Antenna Gain	Not Applicable
9	Transmission Radiation Angle Width	Not Applicable
10	Carrier Sensing Function(1)	Not Applicable*
	Carrier Sensing Function(2)	Not Applicable*
11	Frequency Hopping Dwell Time	Not Applicable**
12	Interference Prevention Function	PASS
Note 1	Construction Protection Confirmation	PASS

Not Applicable

– This test item was not required for the output power less than 12.14dBm (E.I.R.P)

Not Applicable*

- Carrier Sensing Function (1): Application to transmitting devices which EIRP is less than [2.14dBi antenna power limit] and the shortage of EIRP is compensated by the antenna power. Not applicable to this product.

- Carrier Sensing Function (2): Application to transmitting devices with OFDM modulation and the occupied bandwidth greater than 26MHz.

Not Applicable**

- Testing is only required for FHSS system devices.

1.4 List of Test and Measurement Instruments

Equipment	Manufacturer	Model No	Serial No.	Last Cal.	Cal Due Date	Calibration body	Classification
MXA Signal Analyzer	Keysight	N9010A	MY51440158	2025/9/15	2026/9/14	Guangzhou Lisai	(c)
VXG Signal Generator	Keysight	N5182B	MY59100855	2026/4/11	2027/4/10	Metrology & Test co. ,Ltd.	
RF Control Unit	dsusoft	JS0806-2	21G8060449	2026/2/27	2027/2/26	CCIC (Shenzhen) Metrology & Testing Service Co.,Ltd	
EXG Analog Signal Generator	Keysight	N5173B	MY59101282	2026/2/27	2027/2/26		
power supply unit	dsusoft	JS0806-4ADC	N/A	2026/2/27	2027/2/26		
Temp&Humidity Recorder	Meideshi	/	/	2026/4/08	2027/4/07		(c)
10dB Attenuator	Tonscend	10dB	NA	Each Time			
Test software	dsusoft	JS1120-3 Ver.3.2.22.0					
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 (1) 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).							
From JRL Article 24-2, paragraph 4, Item 2							

1.5 Measurement Uncertainty

Uncertainty	
Parameter	Uncertainty
Occupied Channel Bandwidth	±102kHz
Frequency Error	±6.5 x 10 ⁻⁸
RF power conducted	±0.243dB
Power Spectral Density	±0.743dB
Conducted Spurious Emission	±1.328dB
Time	±0.19%

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2

2. Frequency Error Measurement

2.1 Limit

Standard	Item	Limit
Article 2-1 Item 19	Tolerance of Frequency	±50ppm or less

2.2 Test Procedures

- Connect EUT antenna terminal to the Spectrum Analyzer.
- Set Spectrum Analyzer as below:

Frequency : Test Frequency
SPAN : 300kHz
RBW : 10kHz
VBW : 10kHz
Sweep Time : Auto
Detector Mode : Peak
Display Mode : Max Hold

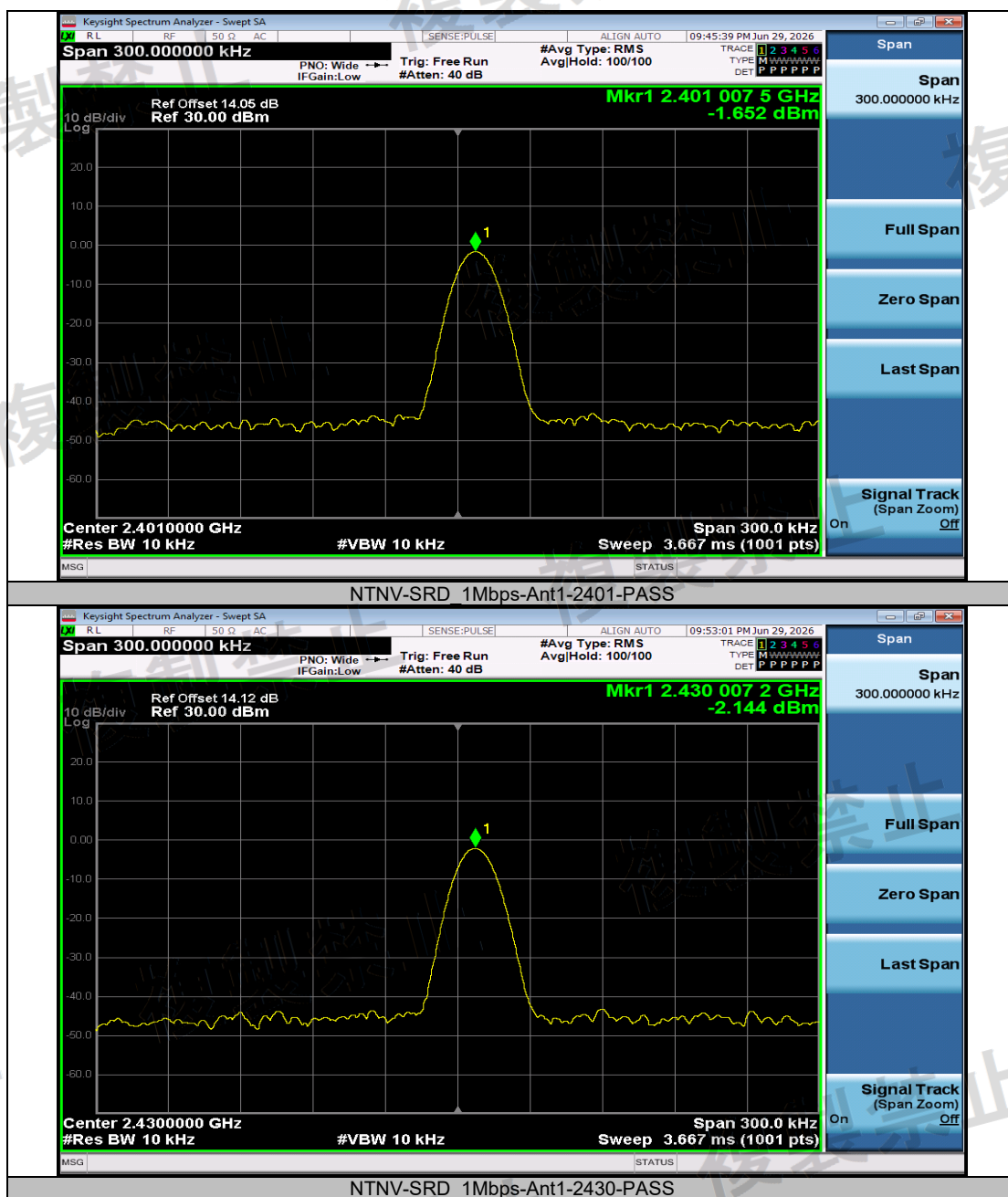
2.3 Test Data

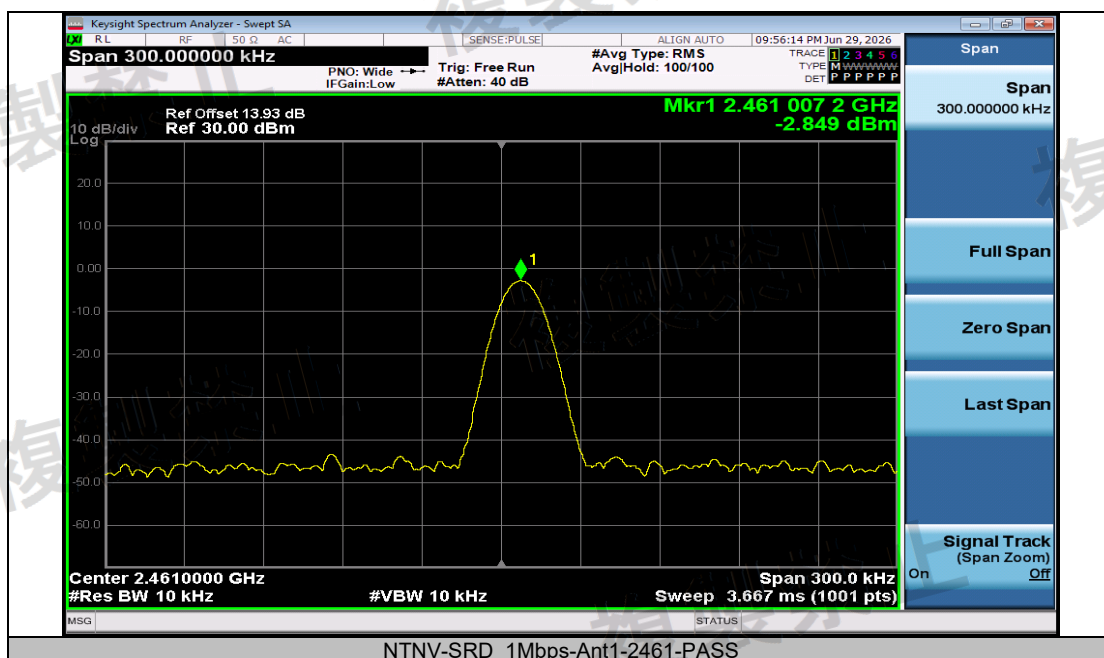
Temperature	23.8℃	Humidity	51%
ATM Pressure	101.2kPa	Time	2026.06.29
Test by	Lemon He	Test result	PASS

Please refer to following tables.

Test Condition	Test Mode	Freq(MHz)	Measure Frequency (MHz)	Result[ppm]	Limit[ppm]	Verdict
NTNV	SRD_1Mbps	2401	2401.0075	3.12370	±50	PASS
		2430	2430.0072	2.96296	±50	PASS
		2461	2461.0072	2.92564	±50	PASS
Note: The EUT was programmed in un-modulation function.						

Please refer to recording the spectrum plots in the worst conditions





3. Occupied Bandwidth (99%)

3.1 Limit

Standard	Type	Limit
Article 2-1 Item 19	FHSS	≤83.5MHz
	DSSS	≤26MHz
	OFDM	≤38MHz
	others	≤26MHz

3.2 Measurement Procedure

- Connect EUT antenna terminal to the Spectrum Analyzer.
- Set Spectrum Analyzer as below:

Frequency : Test Frequency
SPAN : 4MHz
RBW : 300kHz
VBW : 300kHz
Sweep Time : Auto (Minimum time to ensure measurement accuracy.)
Detector Mode : Peak
Display Mode : Max Hold
Data points : 400 points or more
Reference level : Enough level for maximum dynamic range
OBW : 99%

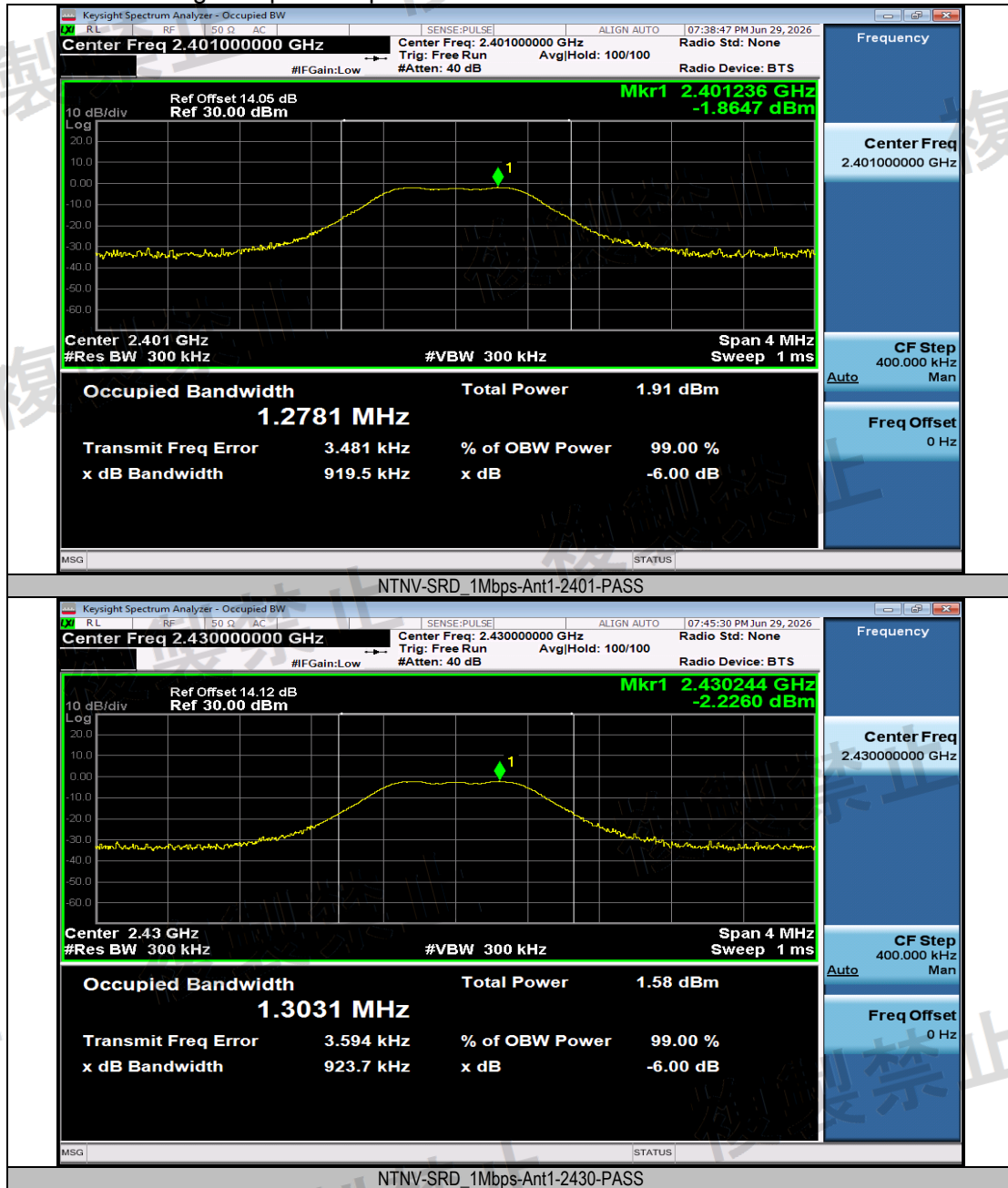
3.3 Test Data

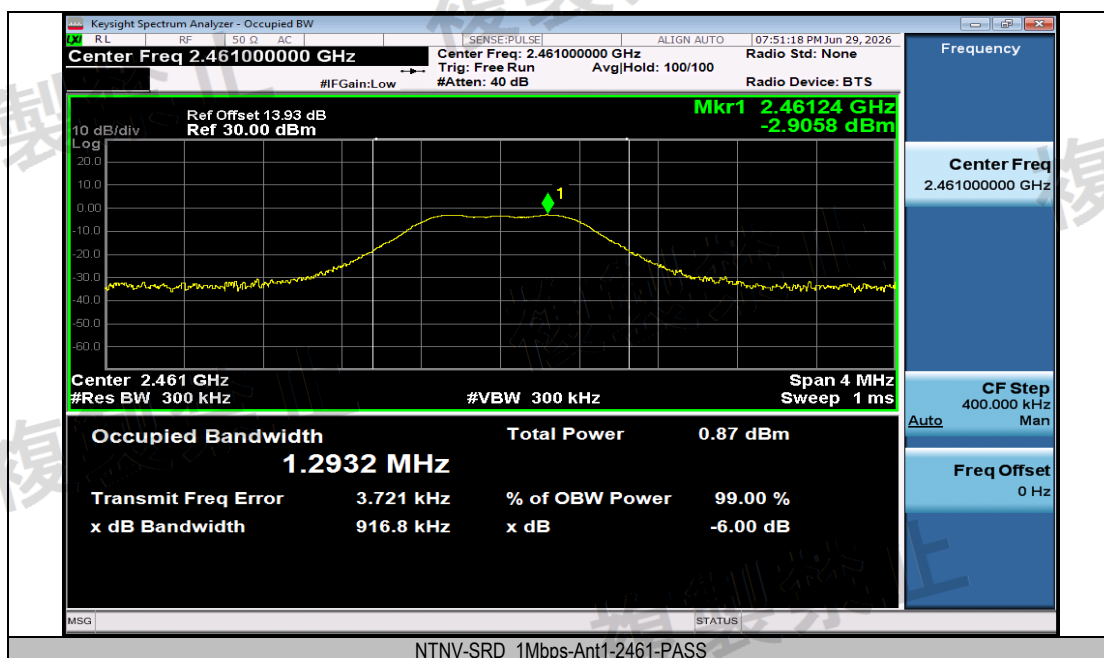
Temperature	23.8℃	Humidity	51%
ATM Pressure	101.2kPa	Time	2026.06.29
Test by	Lemon He	Test result	PASS

Please refer to following tables.

Test Condition	Test Mode	Antenna	Freq (MHz)	Result [MHz]	Limit [MHz]	Verdict
NTNV	SRD_1Mbps	Ant1	2401	1.278	≤26	PASS
NTNV	SRD_1Mbps	Ant1	2430	1.303	≤26	PASS
NTNV	SRD_1Mbps	Ant1	2461	1.293	≤26	PASS

Please refer to recording the spectrum plots in the worst conditions





4. Spurious Emission Intensity

4.1 Limit

Standard	Item	Frequency	Limit
Article 2-1 Item 19	TX Spurious Emission	30 - 1000MHz	0.25 μ W/MHz /-36dBm
		1000 - 2387MHz	2.5 μ W/MHz /-26dBm
		2387 - 2400MHz	25 μ W/MHz /-16dBm
		2483.5 - 2496.5MHz	25 μ W/MHz /-16dBm
		2496.5MHz - 13GHz	2.5 μ W/MHz /-26dBm

4.2 Measurement Procedure

- Connect EUT antenna terminal to the Spectrum Analyzer.
- Set Spectrum Analyzer as below:

Frequency : 30- 1000MHz;
1000 - 2387MHz;
2387-2400MHz;
2483.5-2496.5MHz;
2496.5MHz-13GHz

RBW : 100kHz for Below 1GHz
1MHz for Above 1GHz

VBW : 100kHz for Below 1GHz
1MHz for Above 1GHz

Sweep Time : Auto (Minimum time to ensure measurement accuracy.)

Detector Mode : Peak

Display Mode : Max Hold

Data points : 400 points or more

Reference level : Enough level for maximum dynamic range

4.3 Test Data

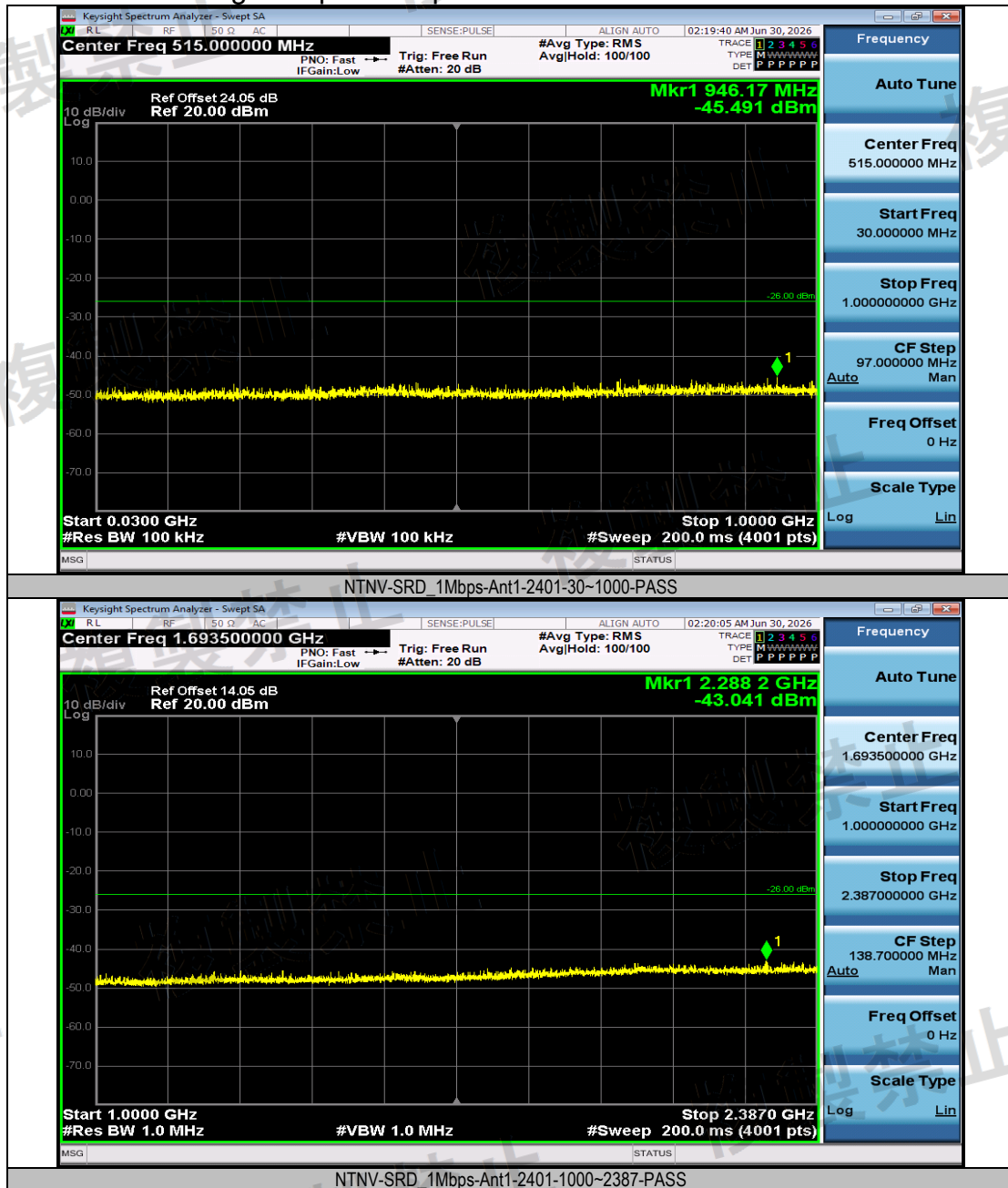
Temperature	23.4-23.8℃	Humidity	51-52%
ATM Pressure	101.2-101.3kPa	Time	2026.06.29-2026.06.30
Test by	Lemon He	Test result	PASS

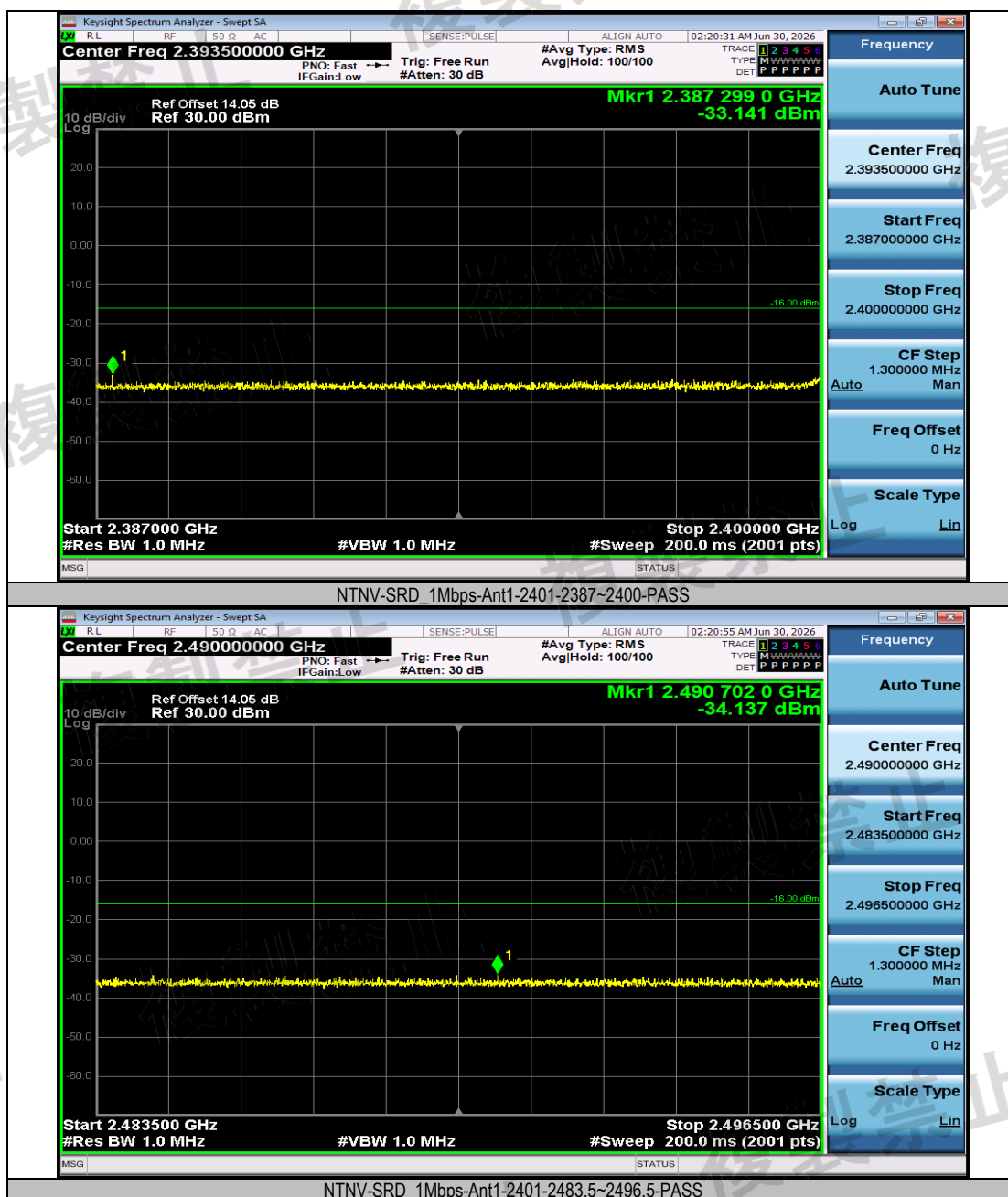
Please refer to following table and plots.

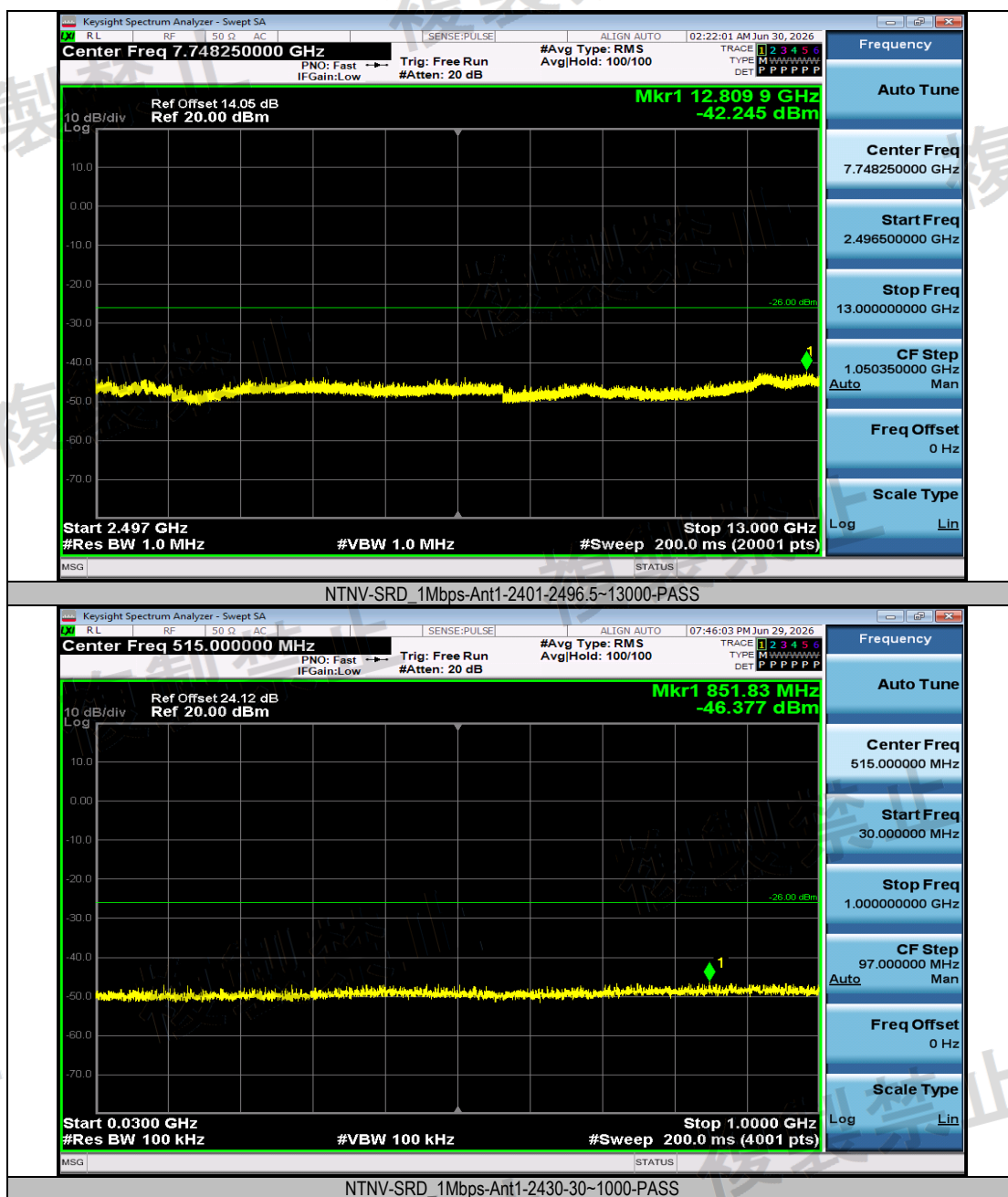
Normal Voltage

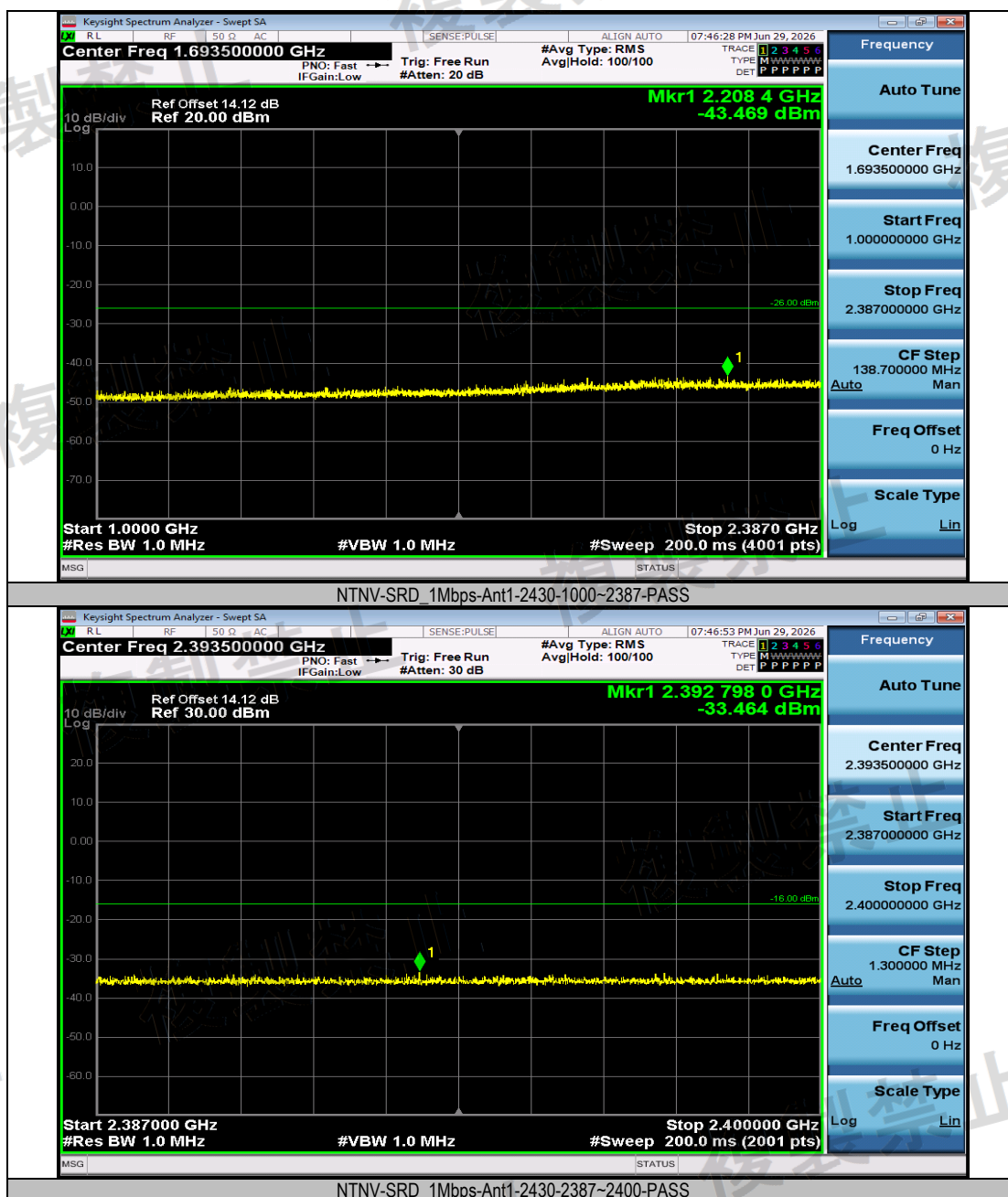
Test Condition	Test Mode	Antenna	Freq (MHz)	Freq.Range [MHz]	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [μ W/MHz]	Limit [μ W/MHz]	Verdict
NTNV	SRD_1Mbps	Ant1	2401	30~1000	946.17	-45.49	≤ -26	0.02825	≤ 2.5	PASS
NTNV	SRD_1Mbps	Ant1	2401	1000~2387	2288.18	-43.04	≤ -26	0.04966	≤ 2.5	PASS
NTNV	SRD_1Mbps	Ant1	2401	2387~2400	2387.30	-33.14	≤ -16	0.48529	≤ 25	PASS
NTNV	SRD_1Mbps	Ant1	2401	2483.5~2496.5	2490.70	-34.14	≤ -16	0.38548	≤ 25	PASS
NTNV	SRD_1Mbps	Ant1	2401	2496.5~13000	12809.89	-42.25	≤ -26	0.05957	≤ 2.5	PASS
NTNV	SRD_1Mbps	Ant1	2430	30~1000	851.83	-46.38	≤ -26	0.02301	≤ 2.5	PASS
NTNV	SRD_1Mbps	Ant1	2430	1000~2387	2208.42	-43.47	≤ -26	0.04498	≤ 2.5	PASS
NTNV	SRD_1Mbps	Ant1	2430	2387~2400	2392.80	-33.46	≤ -16	0.45082	≤ 25	PASS
NTNV	SRD_1Mbps	Ant1	2430	2483.5~2496.5	2489.81	-33.55	≤ -16	0.44157	≤ 25	PASS
NTNV	SRD_1Mbps	Ant1	2430	2496.5~13000	12650.23	-42.12	≤ -26	0.06138	≤ 2.5	PASS
NTNV	SRD_1Mbps	Ant1	2461	30~1000	904.94	-45.95	≤ -26	0.02541	≤ 2.5	PASS
NTNV	SRD_1Mbps	Ant1	2461	1000~2387	2079.09	-43.61	≤ -26	0.04355	≤ 2.5	PASS
NTNV	SRD_1Mbps	Ant1	2461	2387~2400	2397.98	-33.57	≤ -16	0.43954	≤ 25	PASS
NTNV	SRD_1Mbps	Ant1	2461	2483.5~2496.5	2491.02	-33.79	≤ -16	0.41783	≤ 25	PASS
NTNV	SRD_1Mbps	Ant1	2461	2496.5~13000	12142.91	-42.01	≤ -26	0.06295	≤ 2.5	PASS

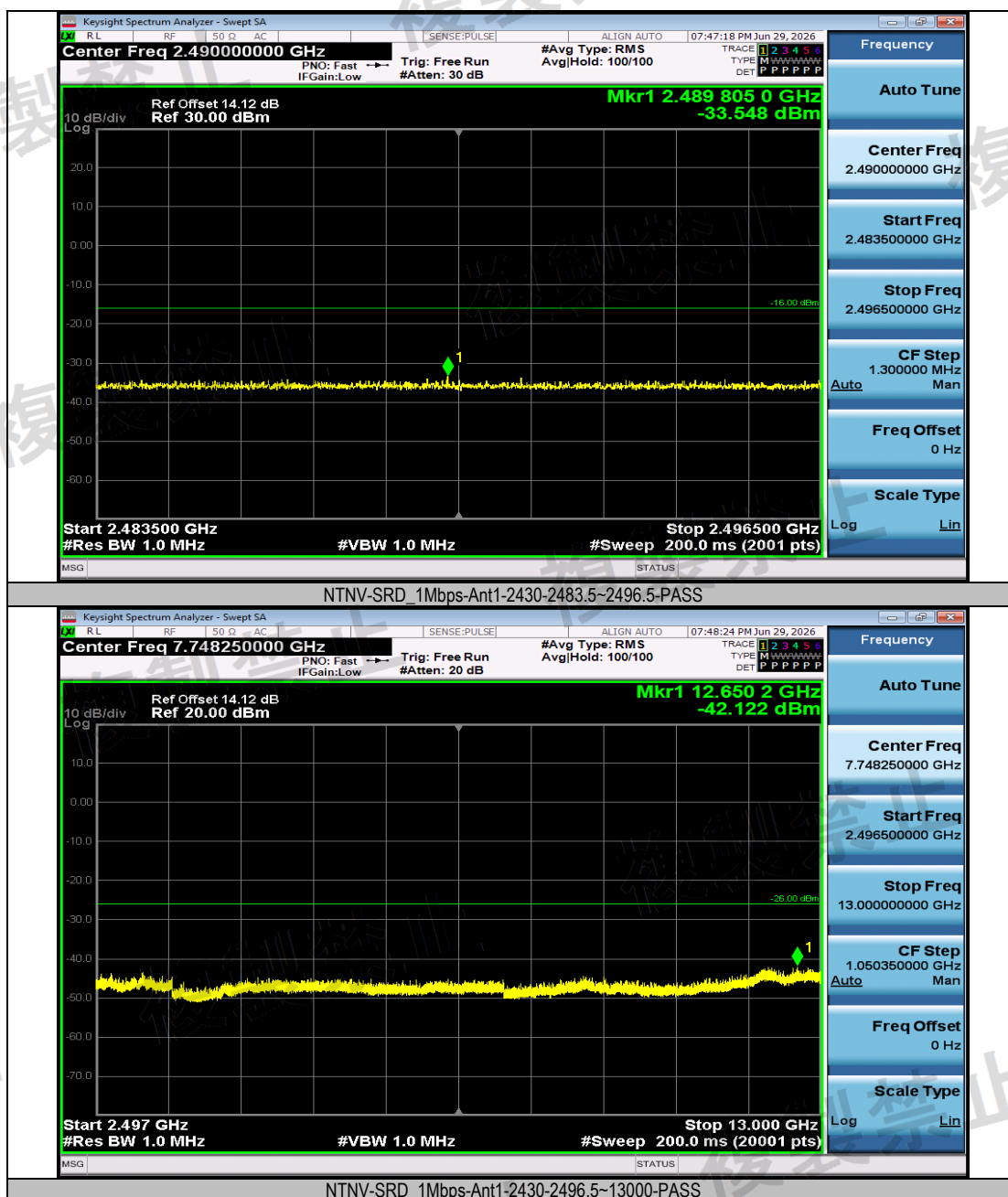
Please refer to recording the spectrum plots in the worst conditions

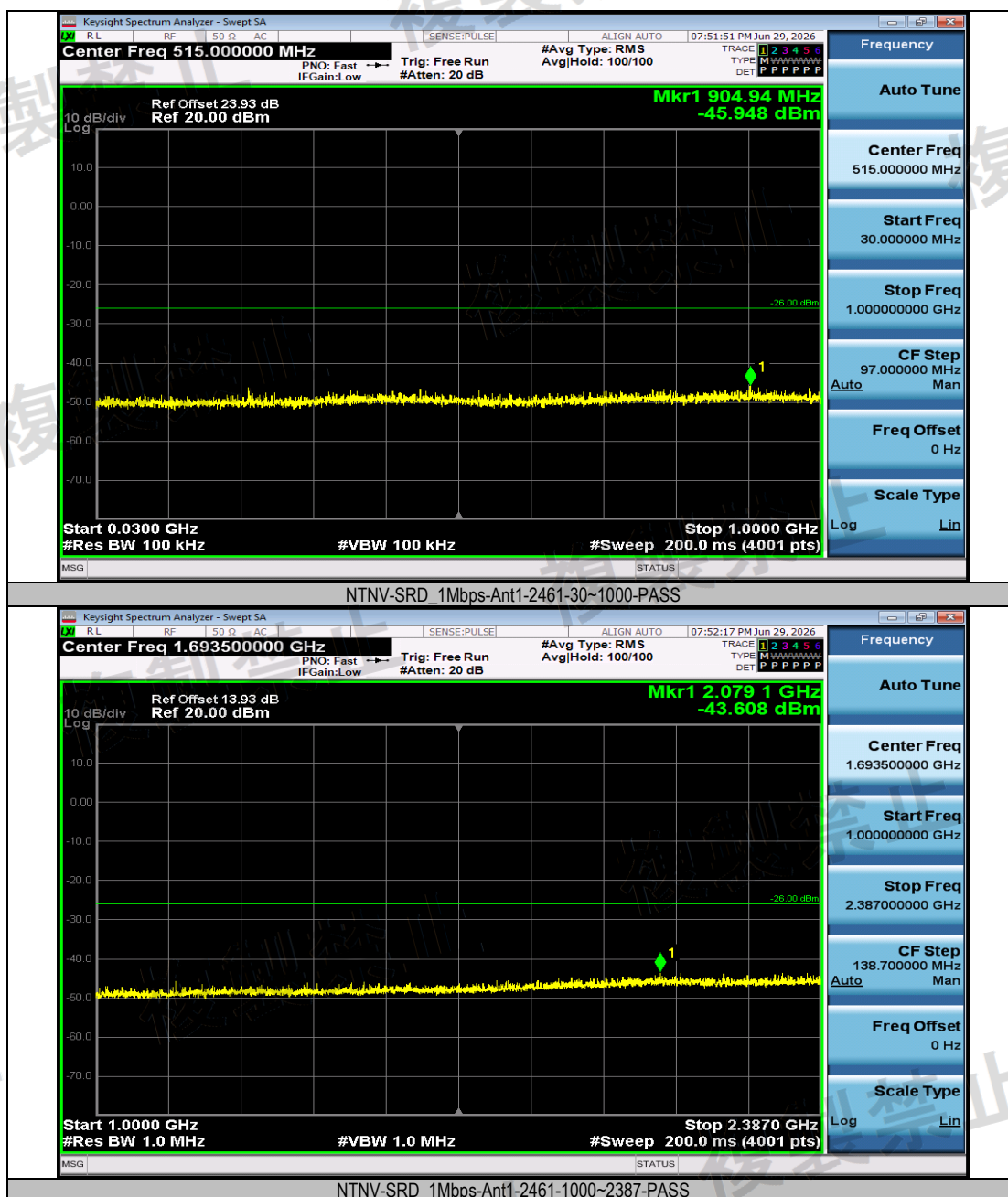


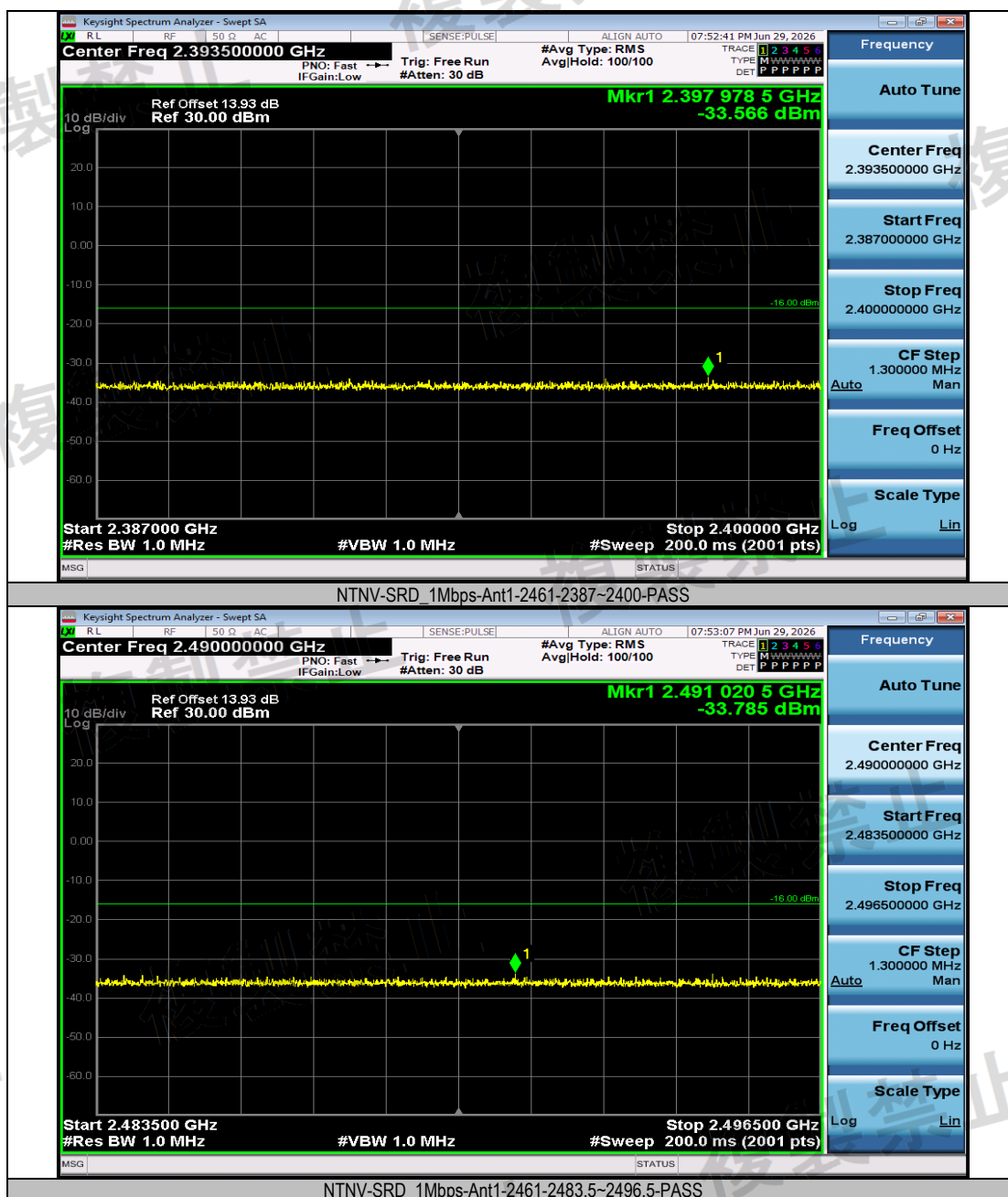


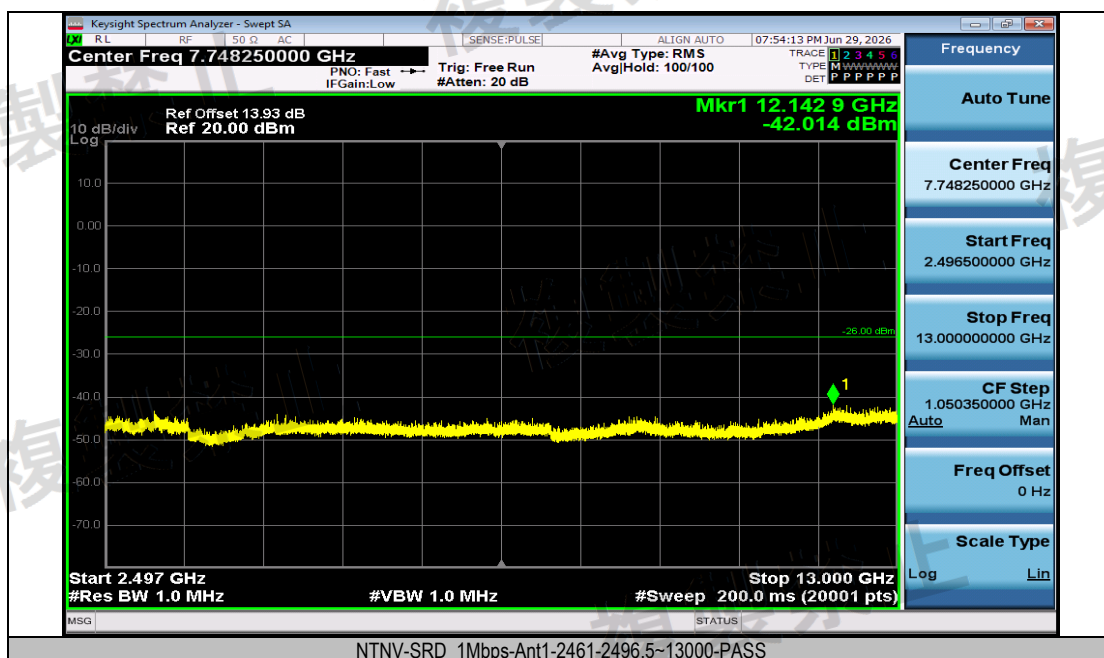












5. Limit of Secondary Spurious Emissions

5.1 Limit

Standard	Item	Frequency	Limit
Article 2-1 Item 19	Spurious Emission	Below 1GHz	4nW /-54dBm
		Above 1GHz	20nW /-47dBm

5.2 Measurement Procedure

- Connect EUT antenna terminal to the Spectrum Analyzer.

- Set Spectrum Analyzer as below:

Frequency : Below 1GHz(30MHz-1GHz)
Above 1GHz(1-13GHz)

RBW : 100kHz for Below 1GHz
1MHz for Above 1GHz

VBW : 100kHz for Below 1GHz
1MHz for Above 1GHz

Sweep Time : Auto

Detector Mode : Peak

Display Mode : Max Hold

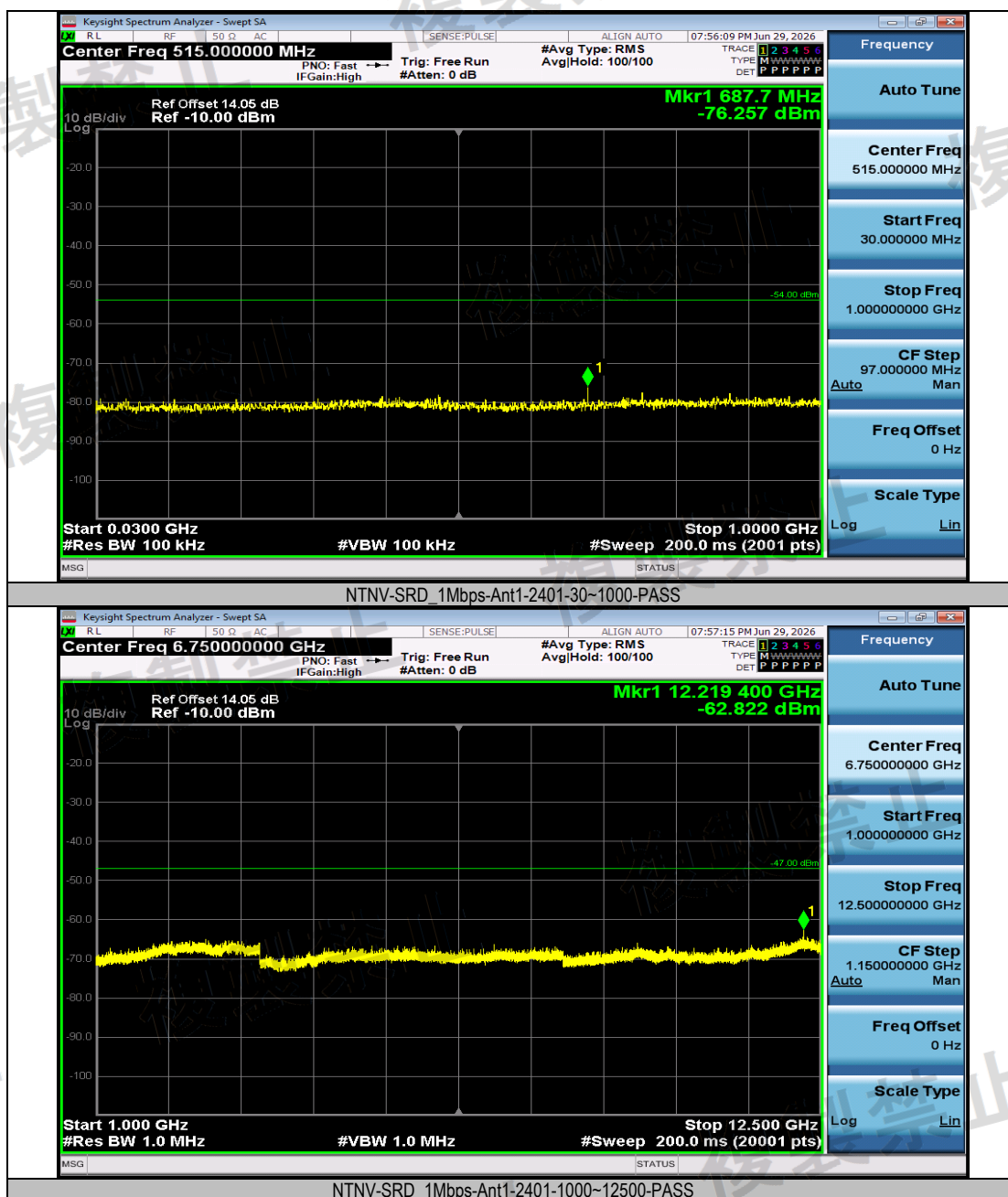
5.3 Test Data

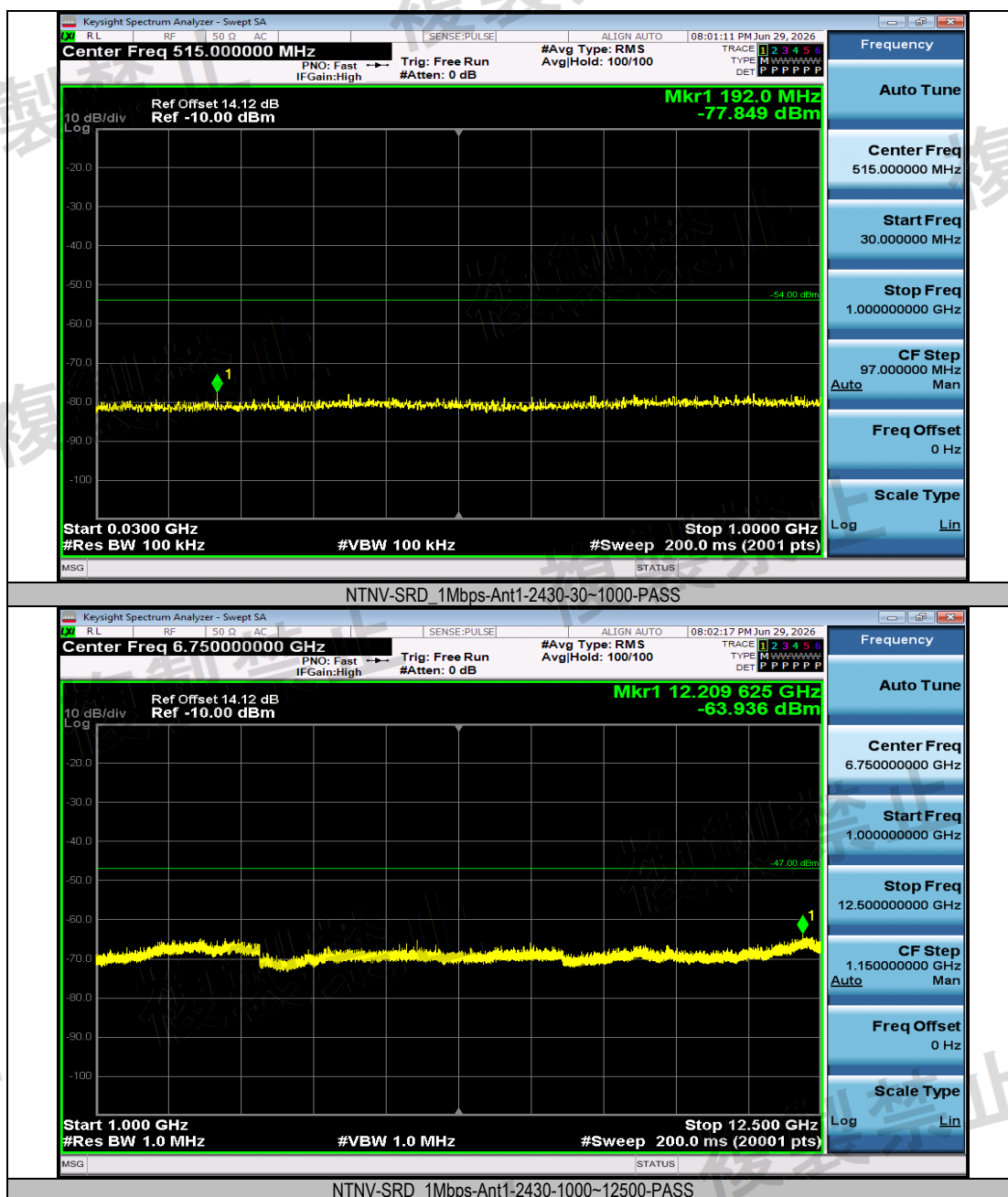
Temperature	23.8℃	Humidity	51%
ATM Pressure	101.2kPa	Time	2026.06.29
Test by	Lemon He	Test result	PASS

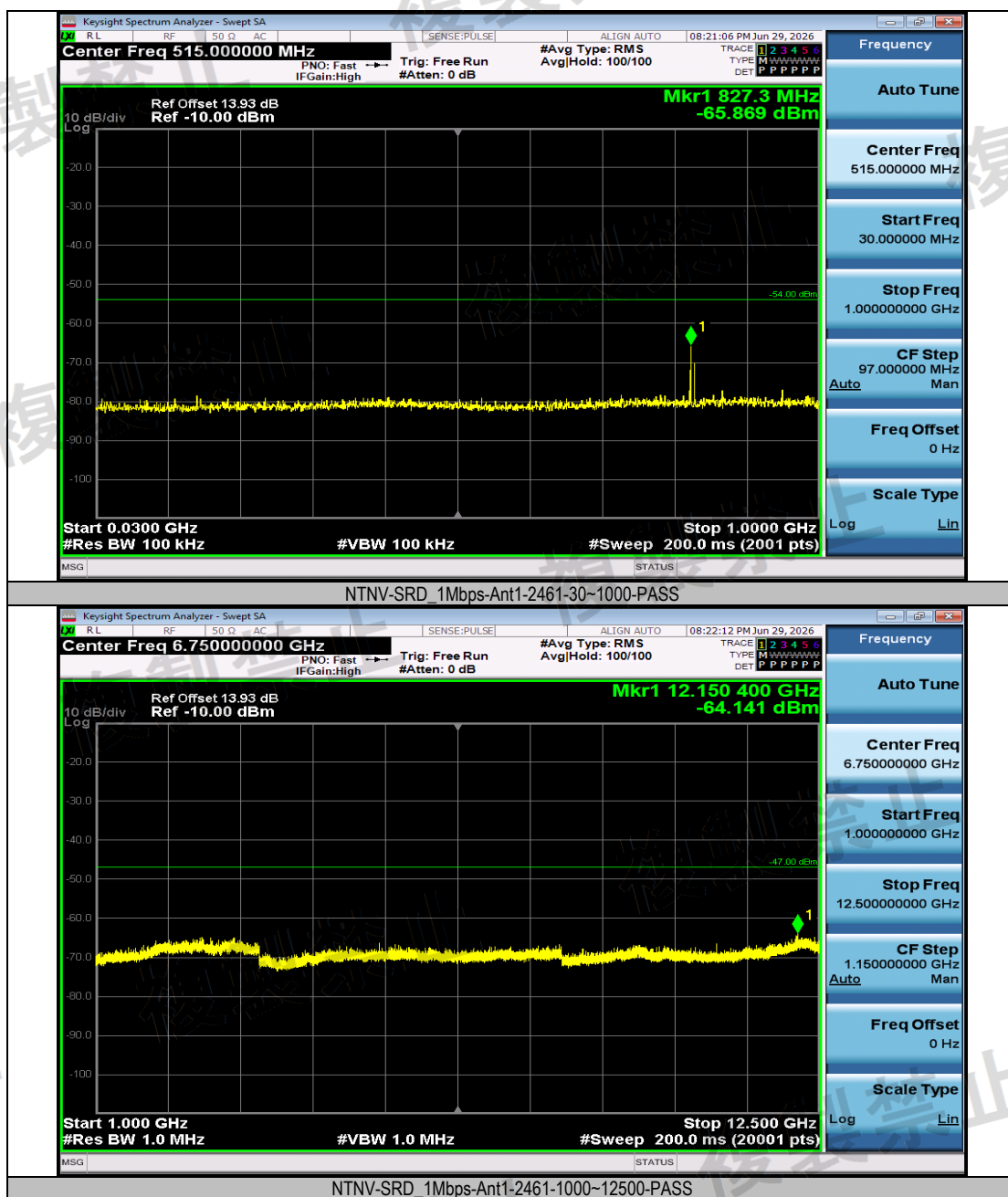
Please refer to following table and plots.

Test Condition	Test Mode	Antenna	Freq (MHz)	Freq.Range [MHz]	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [nW]	Limit [nW]	Verdict
NTNV	SRD_1Mbps	Ant1	2401	30~1000	687.66	-76.26	≤-54	0.02366	≤4	PASS
NTNV	SRD_1Mbps	Ant1	2401	1000~12500	12219.40	-62.82	≤-47	0.52240	≤20	PASS
NTNV	SRD_1Mbps	Ant1	2430	30~1000	191.99	-77.85	≤-54	0.01641	≤4	PASS
NTNV	SRD_1Mbps	Ant1	2430	1000~12500	12209.63	-63.94	≤-47	0.40365	≤20	PASS
NTNV	SRD_1Mbps	Ant1	2461	30~1000	827.34	-65.87	≤-54	0.25882	≤4	PASS
NTNV	SRD_1Mbps	Ant1	2461	1000~12500	12150.40	-64.14	≤-47	0.38548	≤20	PASS

Please refer to recording the spectrum plots in the worst conditions







6. Antenna Power Measurement

6.1 Limit

Standard	Limit
Article 2-1 Item 19	≤ 3 mW/MHz(FHSS from 2402-2480 MHz)
	≤ 10 mW/MHz (OFDM, DSSS from 2400-2483.5 MHz)
	≤ 10 mW (other from 2400-2483.5 MHz)
	The Output Power Tolerance must be within 20%.

6.2 Measurement Procedure

Step 1: Measure the total power by Power Meter in a state of hopping mode or non-hopping mode (with Average Sensor)

Step 2: If it's the burst wave, please measure the burst ratio. Then calculate the real total power by burst ratio.

Step 3: Calculate the mean power.

Output Power Density (mW) = Total Output Power (mW) / Duty cycle

6.3 Test Data

Temperature	23.8℃	Humidity	51%
ATM Pressure	101.2kPa	Time	2026.06.29
Test by	Lemon He	Test result	PASS

Please refer to following table.

Declared power=0.5mW
Normal Voltage
BLE_1M

ITEM	2402	2440	2480	Limit
Antenna Output Power (dBm)	-2.87	-3.31	-4.04	10
Antenna Output Power (mW)	0.52	0.47	0.39	10
Antenna Output Power Tolerance (%)	4.00	-6.00	-22.00	20
EIRP (dBm)	-0.87	-1.31	-2.04	12.14

Note:

1. Declared Power by manufacturer.
2. Antenna output power tolerance = (Antenna output power - declared power)/declared power*100%
3. EIRP (dBm) = 10log*Antenna Output Power (mW)+Antenna Gain

7. INTERFERENCE PREVENTION FUNCTION

7.1 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.

7.2 Test Procedure

In the case that the EUT has the function of automatically transmitting the identification code:

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

In the case of receiving the identification codes:

1. Transmit the predetermined identification codes from the counterpart.
2. Check if communication is normal
3. Transmit the signal other than predetermined ID codes from the counterpart.
4. Check if the EUT stops the transmission, or if it displays that identification codes are different from the predetermined ones.

7.3 Summary of Test Results/Plots

Test Item	Test Result
Transmitting Function of Identification Code	The device have the function of automatic transmission or reception of identification code
Receiving Function of Identification Code	The device have the function of automatic transmission or reception of identification code

Note: The MAC address is: 52:18:73:29:6B:F1

Statement

1. The report is invalid without the official seal or special seal of Shenzhen Haiyun Standard Technical Co., Ltd. (hereinafter referred to as the unit).
2. The report is invalid without the signature of the approver.
3. The report is invalid if altered arbitrarily.
4. The report shall not be partially copied without the written approval of the unit.
5. The reported test results are only valid for the tested samples.
6. If there is any objection to the test report, it shall be submitted to the test unit within 15 days from the date of receiving the report, and the overdue shall not be accepted.

Shenzhen Haiyun Standard Technical Co., Ltd.

Address: Room 110, 111, 112, 113, 115, 116, Block B, Jinyuan Business Building, No. 302, Xixiang Avenue, Labor Community, Xixiang Street, Baoan District, Shenzhen, China

----End----