

JAPAN MIC TEST REPORT

For

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Shenzhen, China

Tested Model: RSMT01

Report Type:
Original Report

Product Type:
ROLLING SEEDS GAME
CONSOLE 2

Report Number: 2507X38294E-RF-02

Report Date: 2025-10-15

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DOCUMENT REVISION HISTORY

Number of Revision	Report No.	Version	Issue Date	Description
0	2507X38294E-RF-02	R1V1	2025-10-15	Initial Release

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

Product Name:	ROLLING SEEDS GAME CONSOLE 2
Test Model:	RSMT01
Multiple Model(s):	N/A
Power Supply:	DC 3.7V from battery or DC 5V from USB port
RF output power	0.9mW
RF Function:	BLE
Operating Band/Frequency:	2402-2480MHz
Channel Separation:	2MHz
Modulation Type:	GFSK
★ Maximum Antenna Gain:	1.9 dBi
EUT Received Status:	Good
Note: 1. The maximum antenna gain is provided by the manufacturer. 2. All measurement and test data in this report was gathered from production sample serial number: 39KJ-3 (Assigned by the BACL (Fujian). The EUT supplied by the applicant was received on 2025-09-04.)	

Objective

The objective of this current document is to demonstrate the EUT, as equipment type in Certification Ordinance Article 2-1-19 of Specific Radio Equipment Specified in Article 38-2-2 Paragraph 1 Item 1 of the Radio Law, compliant with Article 49-20 of Radio equipment regulations.

Test Methodology

All measurements contained in this report were conducted with technical regulations of MIC Notice No.88 of 2004, Appendix No.43 (latest version: MIC Notice No.365 of 2020).

Test Facility

The Test site used by Bay Area Compliance Laboratories Corp. (Fujian) to collect test data is located on the Unit 302, No. 902, Meifeng South Road, Tong'an District, Xiamen City.

Measurement Uncertainty

Item	$U_{\text{lab}} = 2 u_c(y)$ (Confidence of 95%)
Occupied Bandwidth	2%
spreading bandwidth	2%
Frequency Error	0.085×10^6
Transmitter Conducted Power(Conducted RF power)	1.49 dB
Conducted Spurious Emission	2.92 dB
Duty Cycle	1%
Temperature	1°C
Humidity	5%
Voltage (DC)	0.4%

Note: Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty. The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor K with the 95% confidence interval.

EUT TEST CONFIGURATION

Description of Test Configuration

The system was configured for testing in engineering mode, which was provided by manufacturer. 40 channels are provided as below table:

Channel	Frequency(MHz)
0	2402
1	2404
...	...
...	...
19	2440
...	...
...	...
38	2478
39	2480

For lowest, middle and highest channel, EUT was tested with channel 0, 19 and 39.

Test Voltage (V _{DC})	RF System Voltage (V _{DC})
3.33	3.303
3.7	3.303
4.07	3.302

The EUT has a power manage chip: KX6240-SOT89A, the fluctuation of power supply to the RF circuit of EUT (excluding power source) is equal to or less than $\pm 1\%$. Exempt extremely high and low supply voltage condition tests, EUT only operated in normal voltage to test all regulations.

★EUT Exercise Software

The 'FCC_assist_1.0.2.2' command was used during test, which was provided by manufacturer. The maximum power level was configured by the software as below table:

Test Modes	Power Level Setting		
	Lowest Channel	Middle Channel	Highest Channel
BLE 1Mbps	default	default	default
BLE 2Mbps	default	default	default

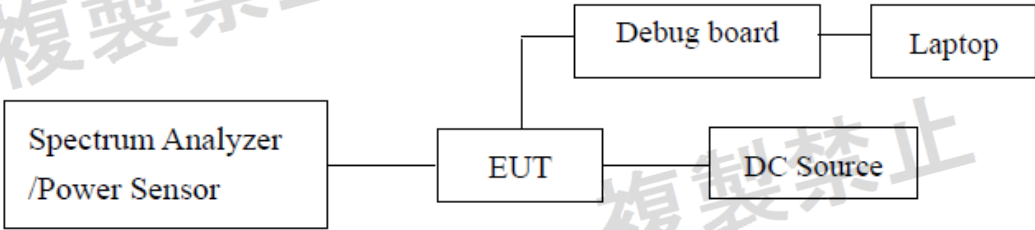
Support Equipment List and Details

Manufacturer	Description	Model	Serial Number
Unknown	Debug board	Unknown	Unknown
Lenovo	Laptop	T480	PF1P5K4F
MAISHENG	DC Source	MS-606DS	2023115703

Support Cable List and Details

Cable Description	Length (m)	From / Port	To
Dupont Cable	0.1	EUT	Debug board
USB cable	1	Debug board	Laptop
Power cable	1	EUT	DC Source

Configuration of Test Setup



TEST EQUIPMENT LIST

Test Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due Date	Calibration Agency	Calibration Method ^{Note}
Wideband Radio Communication Tester	Rohde & Schwarz	CMW500	122920	2025/02/20	2026/02/19	BACL Metrology	C
Microwave Analog Signal Generator	Agilent	N5183A	MY47420335	2025/02/20	2026/02/19	BACL Metrology	C
Spectrum Analyzer	Rohde & Schwarz	FSU	100405	2025/02/20	2026/02/19	BACL Metrology	C
USB Wideband Power Sensor	Boonton	55318	8934	2024/09/19	2025/09/18	BACL Metrology	C
2 Way power divider	narda	4426LB-2	01661	Each time	N/A	BACL (Fujian)	D
Coaxial Cable	Lianxun	RF113	Unknow	Each time	N/A	BACL (Fujian)	D
Multimeter	Deli	DL8490	23930192	2025/02/20	2026/02/19	BACL Metrology	C

*** Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Fujian) attests that all calibrations have been performed in accordance to requirements, traceable to National Primary Standards and International System of Units (SI).

Note:

- A. Calibration conducted by the National Institute of Information and Communications Technology (NICT) (hereinafter referred to as "NICT") or a designated calibration agency under Article 102-18 paragraph (1).
- B. Correction conducted pursuant to the provisions of Article 135 or Article 144 of the Measurement Law (Law No. 51 of 1992).
- C. Calibration conducted in foreign countries, which shall be equivalent to the calibration conducted by the NICT or a designated calibration agency under Article 102-18 paragraph (1).
- D. Calibration conducted by using measuring instruments and other equipment which shall have been given any of calibration, etc. listed above from a) to c)

SUMMARY OF TEST RESULTS

Certification Ordinance Article 2-1-19 Conducted with: MIC Notice No.88 Appendix No.43	Description of Test	Result
1	Frequency Error	Compliant
2	Occupied Bandwidth	Compliant
3	Transmitter Spurious Emission and Unwanted Emission Intensity	Compliant
4	Antenna Output Power and Output Power Tolerance	Compliant
5	Receiver Spurious Emission and Unwanted Emission Intensity	Compliant
6	Transmission Antenna Gain	Not Applicable (See Note 1)
7	Transmission Radiation Angle Width	Not Applicable (See Note 1)
8	Carrier sense capability	Not Applicable (See Note 2)
9	Frequency Hopping Dwell Time	Not Applicable (See Note 3)
10	Interference Prevention Function	Compliant
11	Construction Protection Confirmation	Compliant

Note:

Note 1: This item not applicable when the EIRP less than the limit.

Note 2: The OBW of EUT is less than 26 MHz.

Note 3: Testing is only required for FHSS system devices.

FREQUENCY ERROR

Limit

Within ± 50 ppm.

Test Procedure

Set the EUT to the measurement frequency without modulation.

Setting of SA is following as: Sweep time: Auto / Sweep Mode: Continuous sweep / Detect mode: Positive peak / Trace mode: MAX Hold.

Record the peak spot frequency.

If the EUT can't set at un-modulation mode, measure the 10dBc center frequency.

Test Data

Test Mode:	Transmitting	Test Date:	2025-09-15
Temperature:	24.3°C	ATM Pressure:	100.3kPa
Humidity:	61%	Test Engineer:	Apollo Luo

Test Result: Compliant

Test Condition	Mode	Channel	F _c (MHz)	F _L (MHz)	F _H (MHz)	F ₀ (MHz)	Result (ppm)	Limit (ppm)
NV	BLE 1Mbps	Low	2402	2401.562	2402.448	2402.005	2.08	≤ 50
		Middle	2440	2439.562	2440.448	2440.005	2.05	
		High	2480	2479.562	2480.448	2480.005	2.02	
NV	BLE 2Mbps	Low	2402	2401.187	2402.88	2402.034	13.95	≤ 50
		Middle	2440	2439.19	2440.883	2440.037	14.96	
		High	2480	2479.12	2480.88	2480.000	0.00	

Note:

$Result = (F_0 - F_c) / F_c * 10^6$ where $F_0 = (F_L + F_H) / 2$

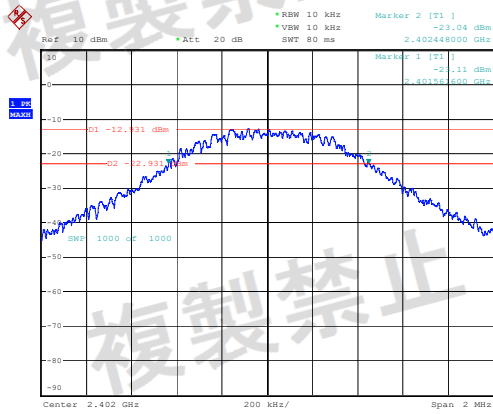
F_L is the lower edge of the 10dBc center frequency

F_H is the upper edge of the 10dBc center frequency

Please refer to the plots for normal voltage test.

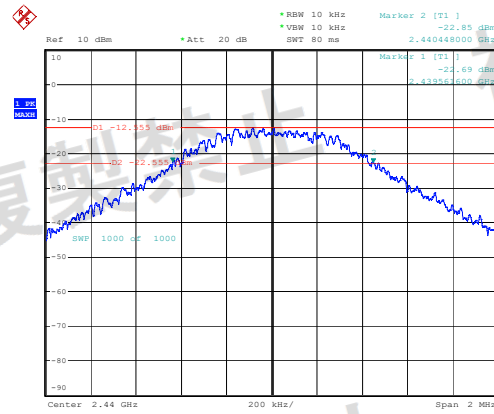
Test Condition: NV

BLE 1M_Low Channel



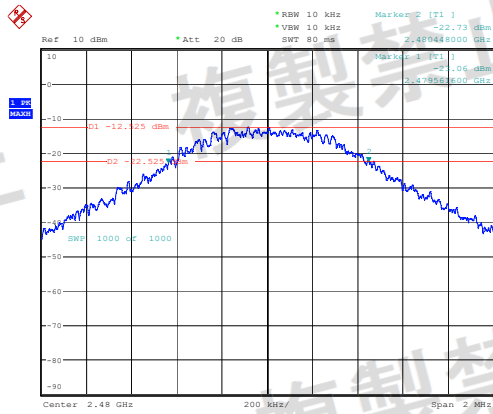
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BLE 1M_Middle Channel



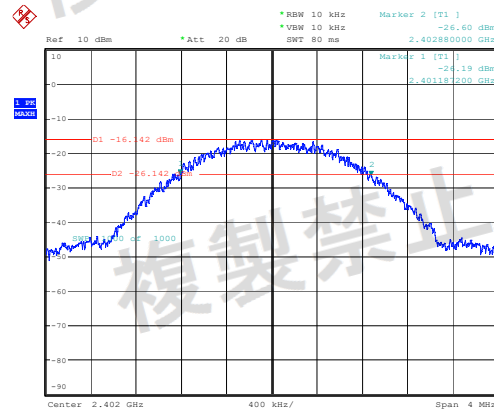
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BLE 1M_High Channel



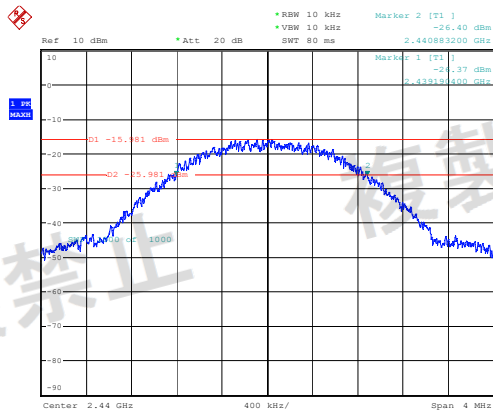
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BLE 2M_Low Channel



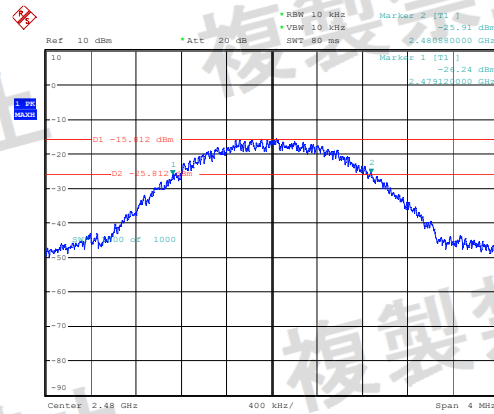
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BLE 2M_Middle Channel



ProjectNo.:2507X38294E-RF Tester: Apollo Luo
Date: 15.SEP.2025 14:22:44

BLE 2M_High Channel



ProjectNo.:2507X38294E-RF Tester: Apollo Luo
Date: 15.SEP.2025 14:24:52

OCCUPIED BANDWIDTH

Limit

- Occupied bandwidth: ≤ 26 MHz

Test Procedure

- Setting of SA is following as: RB: 30 kHz/VB: 30 kHz / Sweep time: Auto / Sweep Mode: Continuous sweep / Detect mode: Positive peak / Trace mode: Max hold
- EUT have transmitted the maximum modulation signal and fixed channelize. SA set to 99% of occupied bandwidth to measure occupied bandwidth.

Test Data

Test Mode:	Transmitting	Test Date:	2025-09-15
Temperature:	24.3°C	ATM Pressure:	100.3kPa
Humidity:	61%	Test Engineer:	Apollo Luo

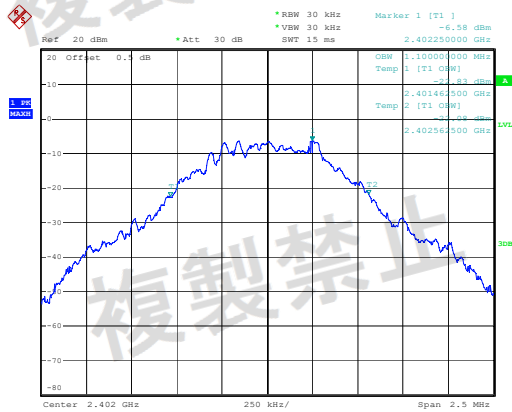
Test Result: Compliant

Test Condition	Occupied bandwidth (MHz)				
	Mode	Low Channel	Middle Channel	High Channel	Limit
NV	BLE 1Mbps	1.100	1.123	1.138	≤ 26
NV	BLE 2Mbps	2.065	2.070	2.070	≤ 26

Please refer to the plots for normal voltage test.

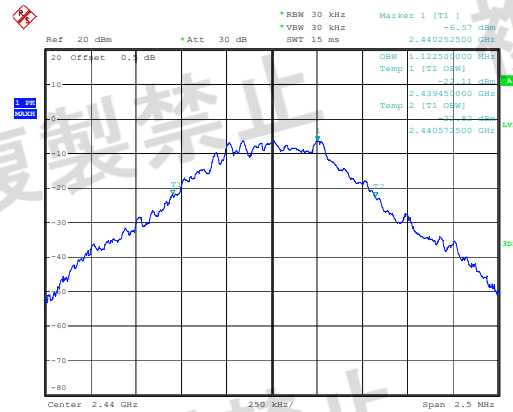
Test Condition: NV

BLE 1M_Low Channel



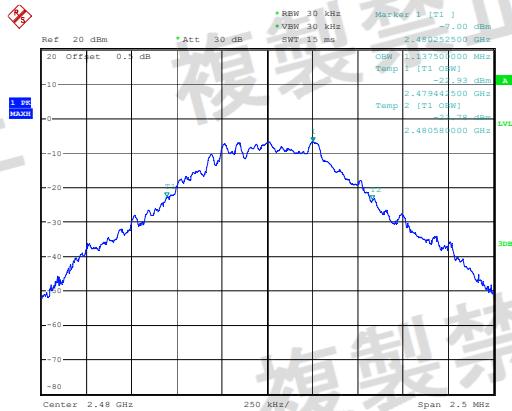
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BLE 1M_Middle Channel



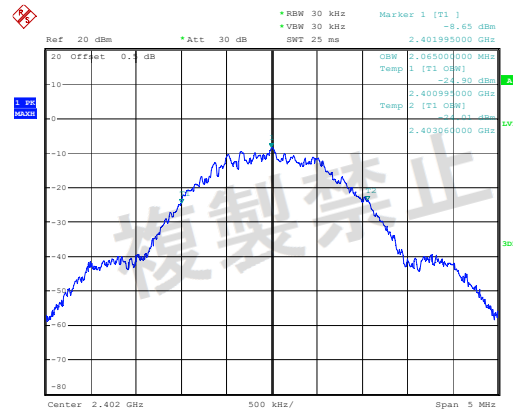
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BLE 1M_High Channel



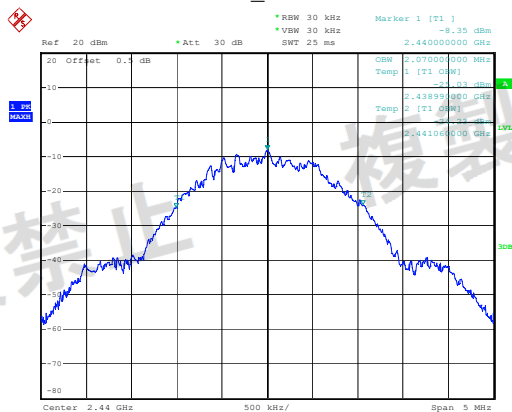
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BLE 2M_Low Channel



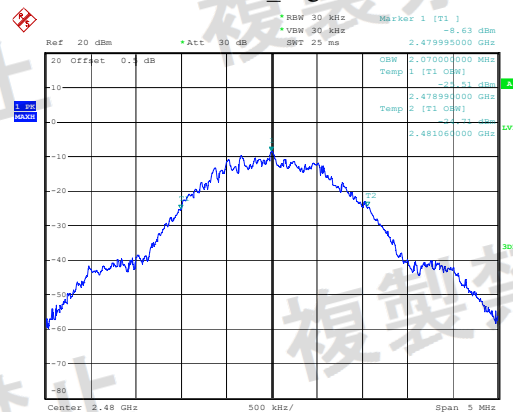
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BLE 2M_Middle Channel



ProjectNo.:2507X38294E-RF Tester:Apollo Luo
Date: 15.SEP.2025 14:38:12

BLE 2M_High Channel



ProjectNo.:2507X38294E-RF Tester:Apollo Luo
Date: 15.SEP.2025 14:38:40

TRANSMITTER SPURIOUS EMISSION STRENGTH AND UNWANTED EMISSION INTENSITY

Limit

- $30\text{MHz} \leq f < 2387\text{ MHz}: \leq 2.5\mu\text{W}/\text{MHz}$
- $2387\text{ MHz} \leq f \leq 2400\text{ MHz}: \leq 25\mu\text{W}/\text{MHz};$
- $2483.5\text{ MHz} < f \leq 2496.5\text{ MHz}: \leq 25\mu\text{W}/\text{MHz}$
- $2496.5\text{ MHz} < f \leq 12500\text{MHz}: \leq 2.5\mu\text{W}/\text{MHz}$

Test Procedure

❖ Conditions of Application Equipment (EUT)

- The modulation state shall be in continuously transmitting mode.

❖ Spectrum Analyzer Conditions

- Setting of SA start 30MHz and stop frequency 1000MHz, RB: 100kHz/VB: 100kHz, Sweep time: Auto. Sweep mode: continuous sweep. Detect mode: Positive peak/Trace mode: max hold. Then to mark peak. reading value + cable loss shall be less than $0.25\mu\text{W}/100\text{kHz}$.
- Setting of SA start 1000MHz and stop frequency 2387MHz, RB: 1MHz/VB: 1MHz, Sweep time: Auto. Sweep mode: continuous sweep. Detect mode: Positive peak/Trace mode: max hold. Then to mark peak. reading value + cable loss shall be less than $2.5\mu\text{W}/\text{MHz}$.
- Setting of SA start 2387MHz and stop frequency 2400MHz, RB: 1MHz/VB: 1MHz, Sweep time: Auto. Sweep mode: continuous sweep. Detect mode: Positive peak/Trace mode: max hold. Then to mark peak. reading value + cable loss shall be less than $25\mu\text{W}/\text{MHz}$.
- Setting of SA start 2483.5MHz and stop frequency 2496.5MHz, RB: 1MHz/VB: 1MHz, Sweep time: Auto. Sweep mode: continuous sweep. Detect mode: Positive peak/Trace mode: max hold. Then to mark peak. reading value + cable loss shall be less than $25\mu\text{W}/\text{MHz}$.
- Setting of SA start 2496.5MHz and stop frequency 12500MHz, RB: 1MHz/VB: 1MHz, Sweep time: Auto. Sweep mode: continuous sweep. Detect mode: Positive peak/Trace mode: max hold. Then to mark peak. reading value + cable loss shall be less than $2.5\mu\text{W}/\text{MHz}$.

If above test over the limit, the below test procedure should be used:

Step 1:

Center the frequency which was want to investigate, search the peak frequency.

Step 2:

Center frequency: Searched Frequency

Span: 0Hz

RBW: 1MHz(Above 1GHz), VBW: Same as RBW.

Sweep time: Auto(Minimum time to ensure measurement accuracy. *In case of burst wave, one burst shall be included per data point) Data points: 400 points or more. Sweep mode: Single Sweep.

Detection Mode: Sample

Test Data

Test Mode:	Transmitting	Test Date:	2025-09-15
Temperature:	24.3°C	ATM Pressure:	100.3kPa
Humidity:	61%	Test Engineer:	Apollo Luo

Test Result: Compliant

BLE 1Mbps

Test Condition	Mode	Test Band (RBW)	Measurements			Limit (μW/RBW)	Result
			Frequency	Reading			
			(MHz)	(dBm/RBW)	(μW/RBW)		
NV	Low Channel	Band I (100kHz)	273.96	-53.91	0.004	0.25	PASS
		Band II (1MHz)	2351.63	-47.69	0.017	2.5	PASS
		Band III (1MHz)	2400.00	-23.71	4.256	25	PASS
		Band IV (1MHz)	2496.39	-43.38	0.046	25	PASS
		Band V (1MHz)	9608.99	-39.45	0.114	2.5	PASS
	Middle Channel	Band I (100kHz)	919.49	-53.50	0.004	0.25	PASS
		Band II (1MHz)	2346.08	-46.94	0.020	2.5	PASS
		Band III (1MHz)	2392.08	-45.32	0.029	25	PASS
		Band IV (1MHz)	2487.78	-45.75	0.027	25	PASS
		Band V (1MHz)	4877.33	-39.79	0.105	2.5	PASS
	High Channel	Band I (100kHz)	95.48	-52.71	0.005	0.25	PASS
		Band II (1MHz)	2301.01	-48.05	0.016	2.5	PASS
		Band III (1MHz)	2391.14	-47.45	0.018	25	PASS
		Band IV (1MHz)	2483.50	-42.76	0.053	25	PASS
		Band V (1MHz)	4957.36	-38.01	0.158	2.5	PASS

BLE 2Mbps

Test Condition	Mode	Test Band (RBW)	Measurements			Limit (μW/RBW)	Result
			Frequency (MHz)	Reading			
				(dBm/RBW)	(μW/RBW)		
NV	Low Channel	Band I (100kHz)	453.41	-44.59	0.035	0.25	PASS
		Band II (1MHz)	2307.25	-46.06	0.025	2.5	PASS
		Band III (1MHz)	2400.00	-19.47	11.298	25	PASS
		Band IV (1MHz)	2496.47	-44.31	0.037	25	PASS
		Band V (1MHz)	9608.99	-39.92	0.102	2.5	PASS
	Middle Channel	Band I (100kHz)	453.41	-44.02	0.040	0.25	PASS
		Band II (1MHz)	2215.01	-48.32	0.015	2.5	PASS
		Band III (1MHz)	2391.50	-46.18	0.024	25	PASS
		Band IV (1MHz)	2486.83	-45.11	0.031	25	PASS
		Band V (1MHz)	4877.33	-40.23	0.095	2.5	PASS
	High Channel	Band I (100kHz)	453.41	-53.15	0.005	0.25	PASS
		Band II (1MHz)	2384.23	-44.18	0.038	2.5	PASS
		Band III (1MHz)	2397.94	-47.89	0.016	25	PASS
		Band IV (1MHz)	2483.51	-39.52	0.112	25	PASS
		Band V (1MHz)	4957.36	-38.51	0.141	2.5	PASS

Note:

Band I: 30MHz~1000MHz

Band II: 1000MHz~2387MHz

Band III: 2387MHz~2400MHz

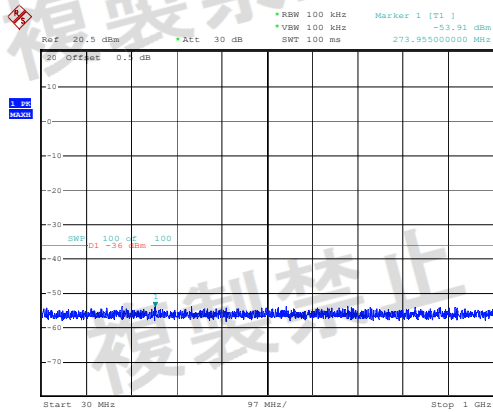
Band IV: 2483.5MHz~2496.5MHz

Band V: 2496.5MHz~12500MHz

Please refer to the below plots for normal voltage test.

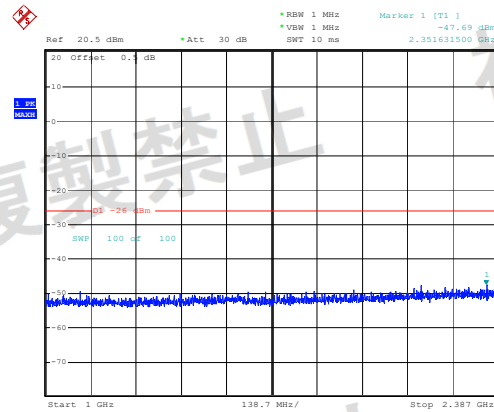
Test Condition: NV

BLE 1M_Low Channel(30MHz~1GHz)



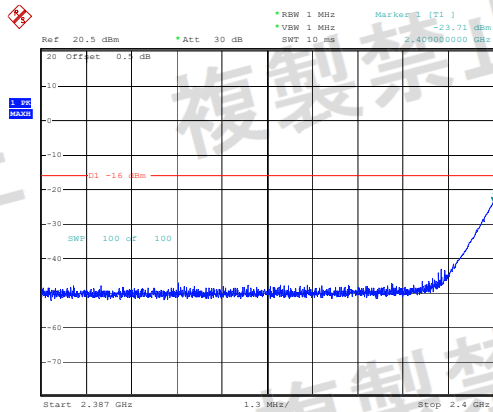
ProjectNo.:2507X38294E-RF Tester: Apollo Luo
Date: 15.SEP.2025 14:39:29

BLE 1M_Low Channel(1GHz~2.387GHz)



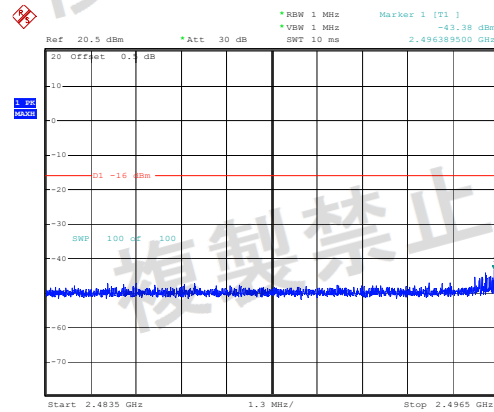
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BLE 1M_Low Channel(2.387GHz~2.4GHz)



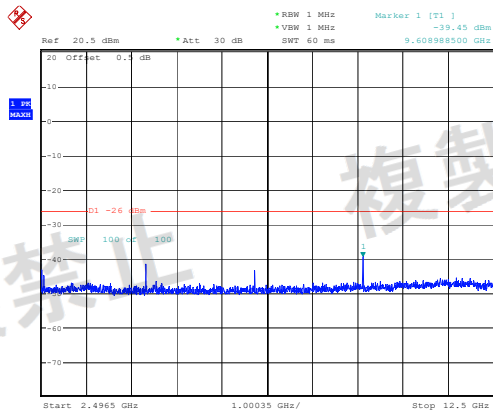
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Date: 15.SEP.2025 14:40:01

BLE 1M_Low Channel(2.4835GHz~2.4965GHz)



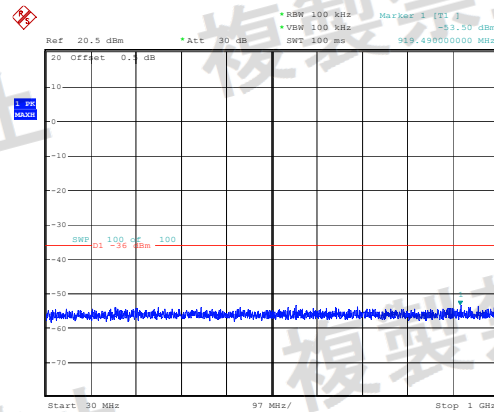
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Date: 15.SEP.2025 14:40:16

BLE 1M_Low Channel(2.4965GHz~12.5GHz)



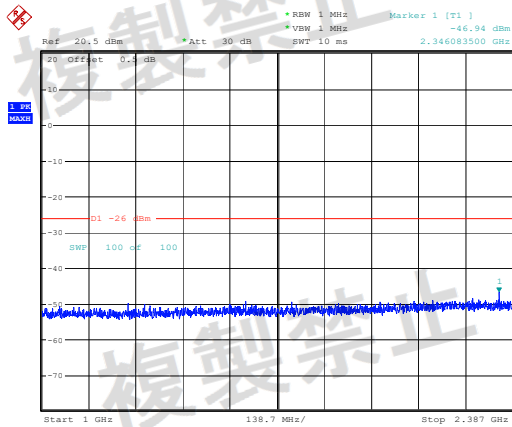
ProjectNo.:2507X38294E-RF Tester: Apollo Luo
Date: 15.SEP.2025 14:40:48

BLE 1M_Middle Channel(30MHz~1GHz)



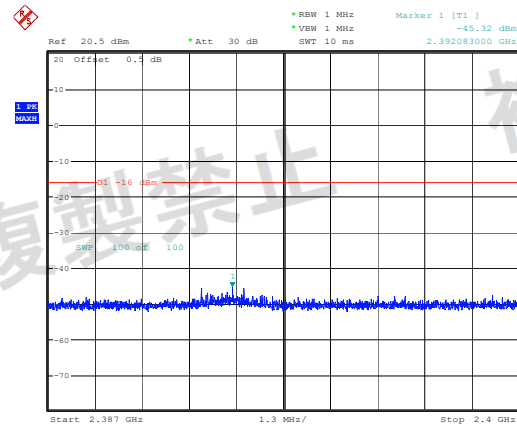
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BLE 1M_Middle Channel(1GHz~2.387GHz)



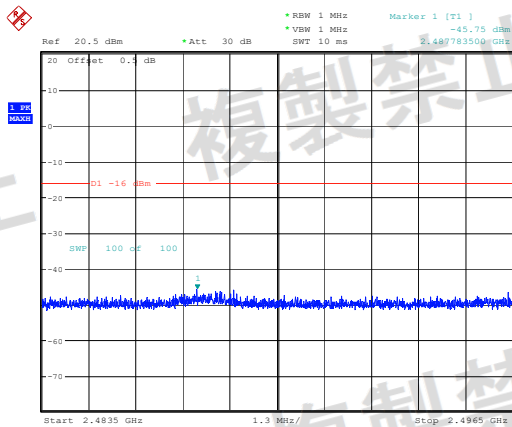
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BLE 1M_Middle Channel(2.387GHz~2.4GHz)



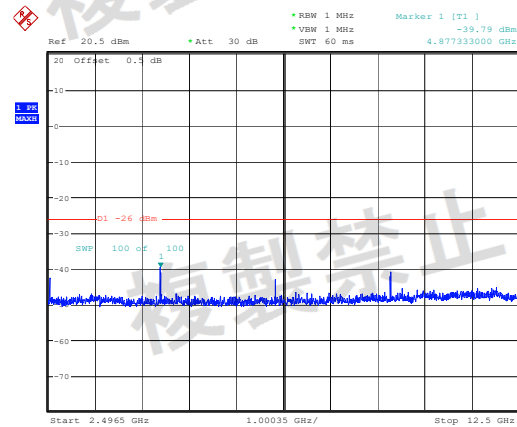
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Date: 15.SEP.2025 14:44:03

BLE 1M_Middle Channel(2.4835GHz~2.4965GHz)



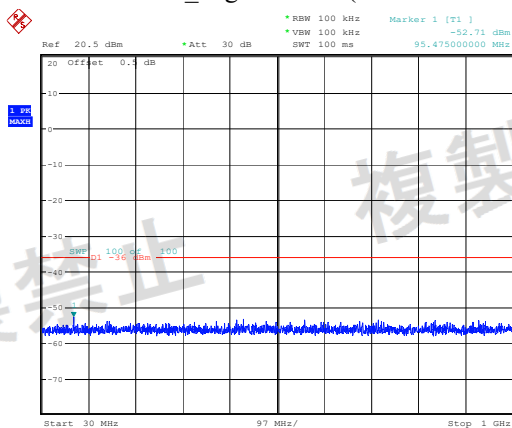
ProjectNo.:2507X38294E-RF Tester:Apollo Luo
Date: 15.SEP.2025 14:44:16

BLE 1M_Middle Channel(2.4965GHz~12.5GHz)



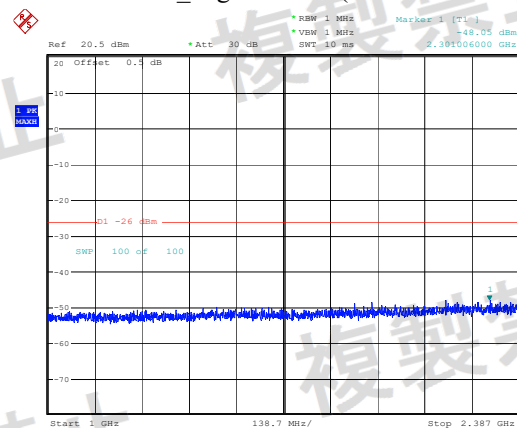
ProjectNo.:2507X38294E-RF Tester:Apollo Luo
Date: 15.SEP.2025 14:44:47

BLE 1M_High Channel(30MHz~1GHz)



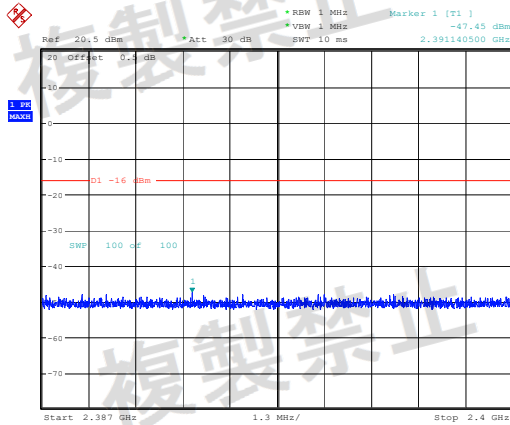
ProjectNo.:2507X38294E-RF Tester:Apollo Luo
Date: 15.SEP.2025 14:45:21

BLE 1M_High Channel(1GHz~2.387GHz)



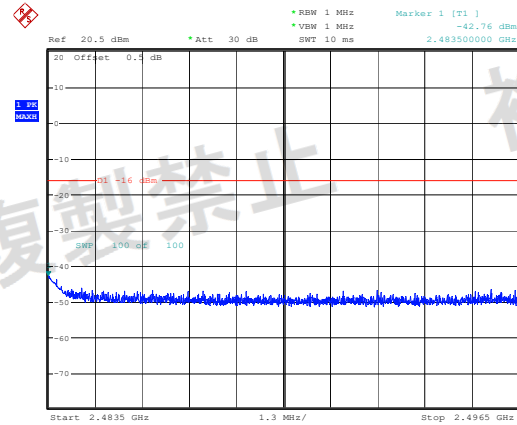
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Date: 15.SEP.2025 14:45:39

BLE 1M_High Channel(2.387GHz~2.4GHz)



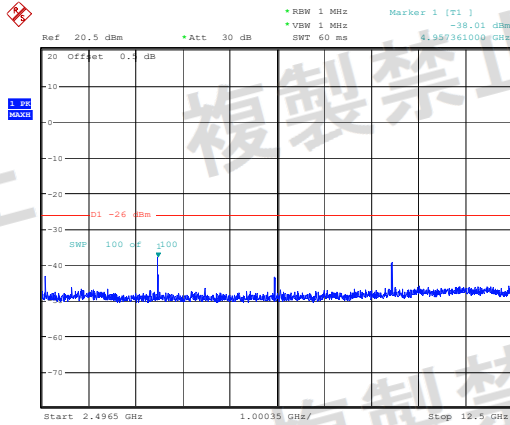
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Date: 15.SEP.2025 14:45:55

BLE 1M_High Channel(2.4835GHz~2.4965GHz)



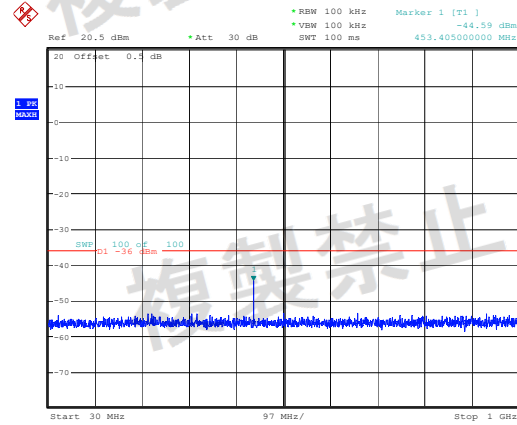
ProjectNo.:2507X38294E-RF Tester:Apollo Luo
Date: 15.SEP.2025 14:46:10

BLE 1M_High Channel(2.4965GHz~12.5GHz)



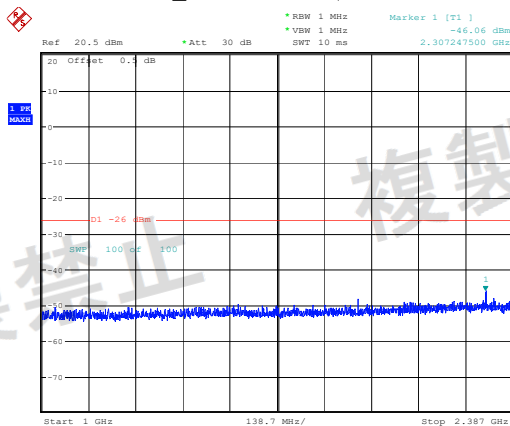
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Date: 15.SEP.2025 14:46:43

BLE 2M_Low Channel(30MHz~1GHz)



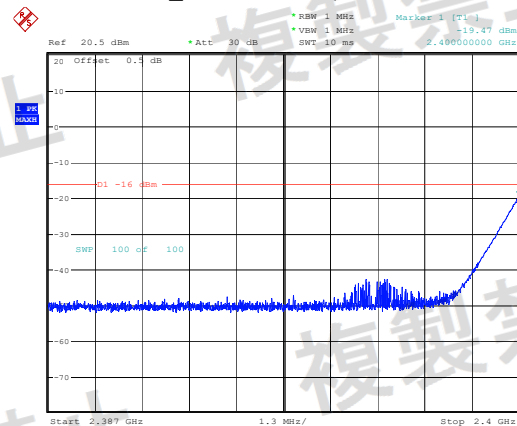
ProjectNo.:2507X38294E-RF Tester:Apollo Luo
Date: 15.SEP.2025 14:51:03

BLE 2M_Low Channel(1GHz~2.387GHz)



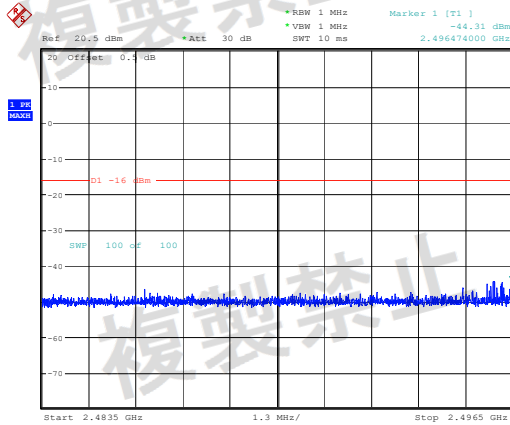
ProjectNo.:2507X38294E-RF Tester:Apollo Luo
Date: 15.SEP.2025 14:51:21

BLE 2M_Low Channel(2.387GHz~2.4GHz)



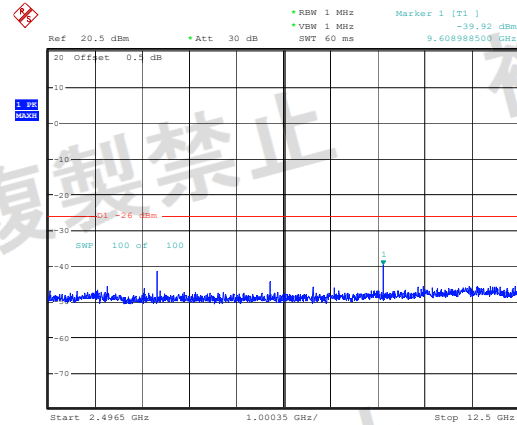
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Date: 15.SEP.2025 14:51:36

BLE 2M_Low Channel(2.4835GHz~2.4965GHz)



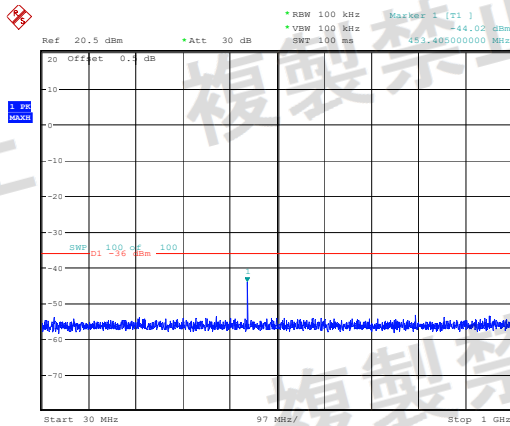
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Date: 15.SEP.2025 14:51:52

BLE 2M_Low Channel(2.4965GHz~12.5GHz)



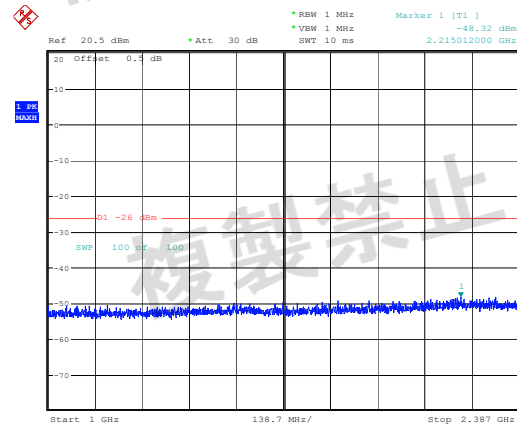
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Date: 15.SEP.2025 14:52:25

BLE 2M_Middle Channel(30MHz~1GHz)



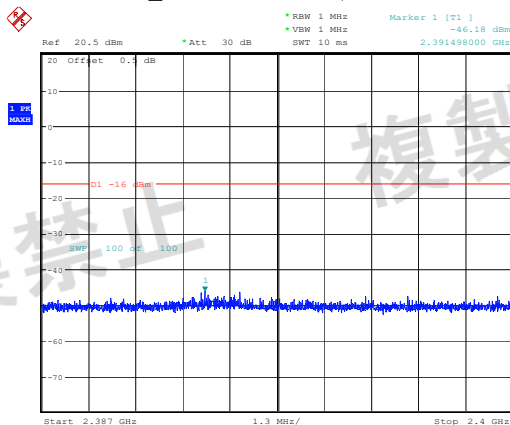
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Date: 15.SEP.2025 14:53:54

BLE 2M_Middle Channel(1GHz~2.387GHz)



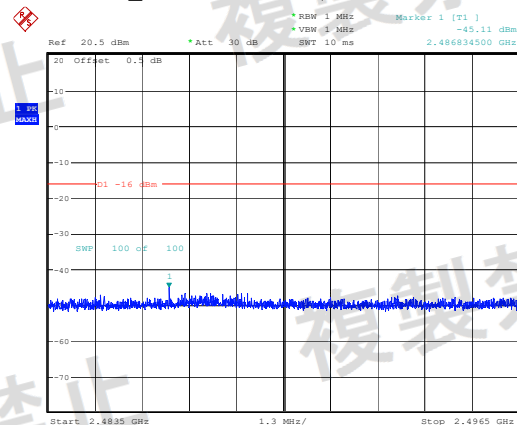
ProjectNo.:2507X38294E-RF Tester:Apollio Luo
Date: 15.SEP.2025 14:54:10

BLE 2M_Middle Channel(2.387GHz~2.4GHz)



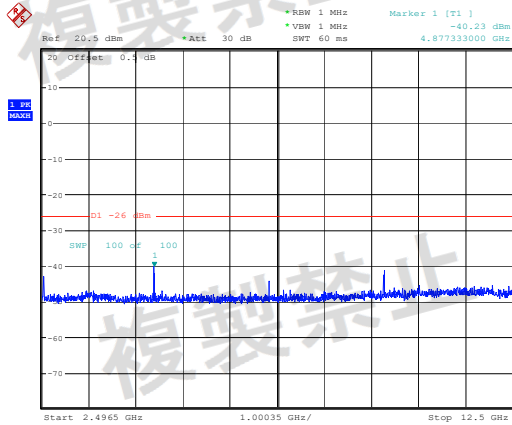
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Date: 15.SEP.2025 14:54:24

BLE 2M_Middle Channel(2.4835GHz~2.4965GHz)



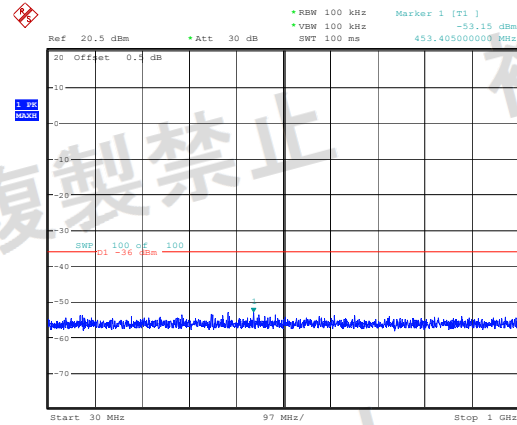
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BLE 2M_Middle Channel(2.4965GHz~12.5GHz)



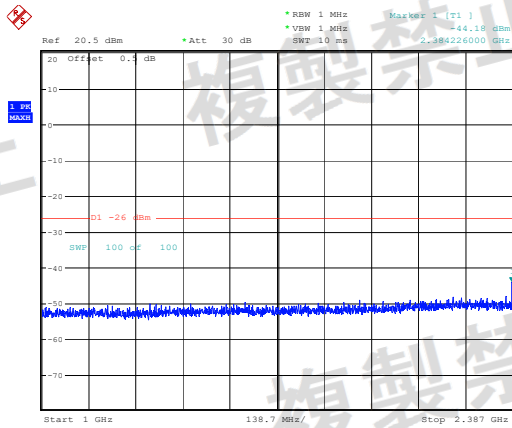
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Date: 15.SEP.2025 14:55:09

BLE 2M_High Channel(30MHz~1GHz)



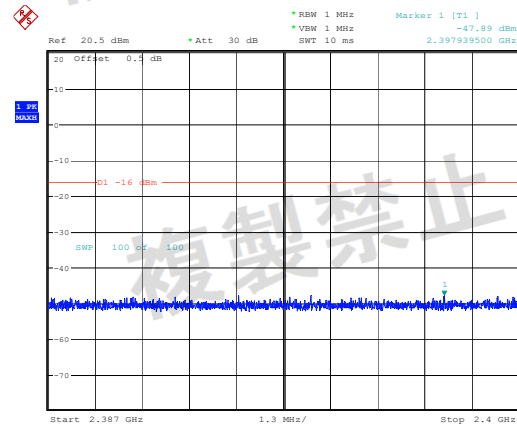
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Date: 15.SEP.2025 14:56:45

BLE 2M_High Channel(1GHz~2.387GHz)



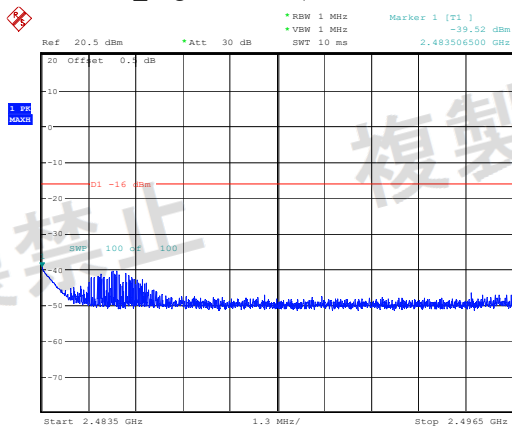
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Date: 15.SEP.2025 14:57:01

BLE 2M_High Channel(2.387GHz~2.4GHz)



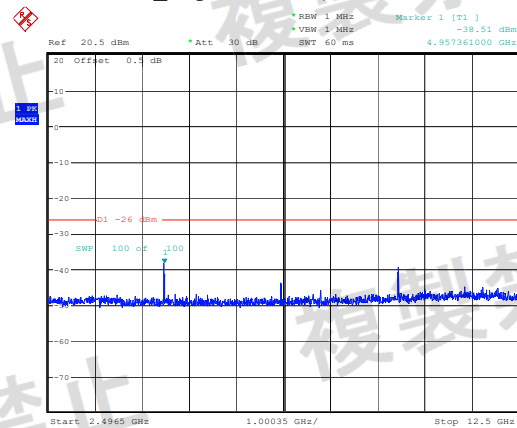
ProjectNo.:2507X38294E-RF Tester: Apollo Luo
Date: 15.SEP.2025 14:57:15

BLE 2M_High Channel(2.4835GHz~2.4965GHz)



ProjectNo.:2507X38294E-RF Tester: Apollo Luo
Date: 15.SEP.2025 14:57:28

BLE 2M_High Channel(2.4965GHz~12.5GHz)



ProjectNo.:2507X38294E-RF Tester: Apollo Luo
Date: 15.SEP.2025 14:58:00

ANTENNA OUTPUT POWER AND ANTENNA POWER TOLERANCE**Limit**

Antenna output power:

- $\leq 10 \text{ mW}$
- The Output Power Tolerance must be within $+20\% \sim -80\%$.
- $\text{EIRP} \leq 12.14 \text{ dBm}$ (other from 2400-2483.5 MHz)

Test Procedure

- Connect the EUT antenna port to Power meter with RF cable;
- Power meter Detector: Average, Auto Duty factor
- Set the EUT Frequency to measure, test mode continuous transmitting.

Test Data

Test Mode:	Transmitting	Test Date:	2025-09-15
Temperature:	24.3°C	ATM Pressure:	100.3kPa
Humidity:	61%	Test Engineer:	Apollo Luo

Test Result: Compliant

Declared Power:

Test Condition	Mode	Antenna Gain (dBi)	Declared Power (mW)
NV	BLE 1Mbps	1.9	0.90
NV	BLE 2Mbps	1.9	0.90

Output power

Test Condition	Mode	Channel	Conducted power (dBm)	Antenna output power (mW)		Antenna output tolerance (%)		EIRP (dBm)	
				Result	Limit	Result	Limit	Result	Limit
NV	BLE 1Mbps	Low	-0.515	0.888	≤ 10	-1.33	$-80 \sim +20$	1.39	≤ 12.14
		Middle	-1.077	0.780		-13.33		0.82	
		High	-1.791	0.662		-26.44		0.11	
NV	BLE 2Mbps	Low	-0.495	0.892	≤ 10	-0.89	$-80 \sim +20$	1.41	≤ 12.14
		Middle	-1.049	0.785		-12.78		0.85	
		High	-1.753	0.668		-25.78		0.15	

Note:

- 1) $\text{Antenna Output power (mW)} = 10^{\{\text{Conducted power (dBm)} / 10\}}$
- 2) $\text{Antenna Output Power Tolerance (\%)} = (\text{Antenna Output power} - \text{Declared Power}) / \text{Declared Power} * 100\%$
- 3) $\text{Antenna output power (dBm)} = 10 * \log_{10}\{\text{Antenna Output Power (mW)}\}$
- 4) $\text{EIRP (dBm)} = \text{Antenna output power (dBm)} + \text{Antenna gain}$.

RECEIVER SPURIOUS EMISSION AND UNWANTED EMISSION INTENSITY

Limit

- $\leq 4 \text{ nW}$ ($30 \text{ MHz} \leq f \leq 1000 \text{ MHz}$)
- $\leq 20 \text{ nW}$ ($1 \text{ GHz} \leq f \leq 12.5 \text{ GHz}$)

Test Procedure

- ❖ Conditions of Application Equipment (EUT)
 - The modulation state shall be “continuous receiving mode”.
- ❖ Spectrum Analyzer Conditions
 - Start Frequency: Start Frequency of frequency range to measure (30MHz to 1GHz)
 - Stop Frequency: Stop Frequency of frequency range to measure (1GHz to 12.5GHz)
 - Span: AUTO (Measurement Range)
 - RBW: 100 kHz, VBW: 100 kHz for Frequency < 1 GHz
 - RBW: 1MHz, VBW: 1MHz for Frequency > 1 GHz
 - Sweep time: AUTO or more
 - Sweep mode: Auto Sweep
 - Detection: Positive Peak
 - Reference Level: Enough level for maximum dynamic range

Test Data

Test Mode:	Receiving	Test Date:	2025-09-28
Temperature:	24.6°C	ATM Pressure:	100.2kPa
Humidity:	62%	Test Engineer:	Apollo Luo

Test Result: Compliant, please see the below tables and plots

BLE 1Mbps

Test Condition	Mode	Test Band (RBW)	Result (dBm)			Limit (nW)	Result
			Frequency	Reading			
			(MHz)	(dBm)	(nW)		
NV	Low Channel	Band I (100kHz)	95.96	-71.41	0.072	4	PASS
		Band II (1MHz)	2424.28	-60.14	0.968	20	PASS
	Middle Channel	Band I (100kHz)	95.96	-72.09	0.062	4	PASS
		Band II (1MHz)	9074.73	-64.61	0.346	20	PASS
	High Channel	Band I (100kHz)	95.96	-71.96	0.064	4	PASS
		Band II (1MHz)	2481.20	-64.94	0.321	20	PASS

BLE 2Mbps

SEE ENR010

Test Condition	Mode	Test Band (RBW)	Result (dBm)			Limit (nW)	Result
			Frequency	Reading			
			(MHz)	(dBm)	(nW)		
NV	Low Channel	Band I (100kHz)	95.96	-71.90	0.065	4	PASS
		Band II (1MHz)	9085.65	-65.89	0.258	20	PASS
	Middle Channel	Band I (100kHz)	95.96	-71.74	0.067	4	PASS
		Band II (1MHz)	9087.38	-65.73	0.267	20	PASS
	High Channel	Band I (100kHz)	95.96	-72.33	0.058	4	PASS
		Band II (1MHz)	9096.00	-65.57	0.277	20	PASS

Note:

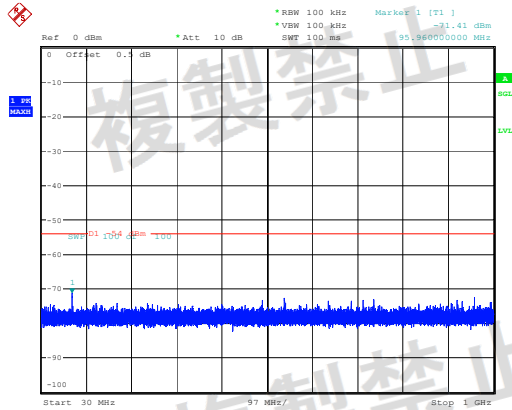
Band I: 30MHz~1000MHz

Band II: 1000MHz~12500MHz

Please refer to the below plots for normal voltage test.

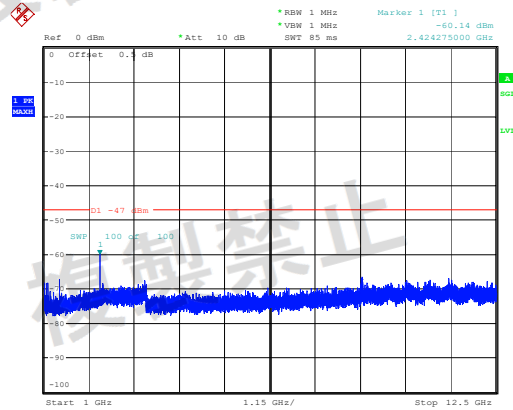
Test Condition: NV

BLE 1M_Low Channel(30MHz~1GHz)



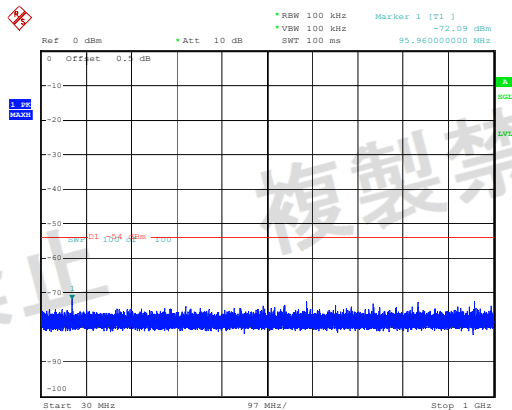
ProjectNo.:2507X38294E-RF Tester: Apollo Luo
Date: 28.SEP.2025 21:27:26

BLE 1M_Low Channel(1GHz~12.5GHz)



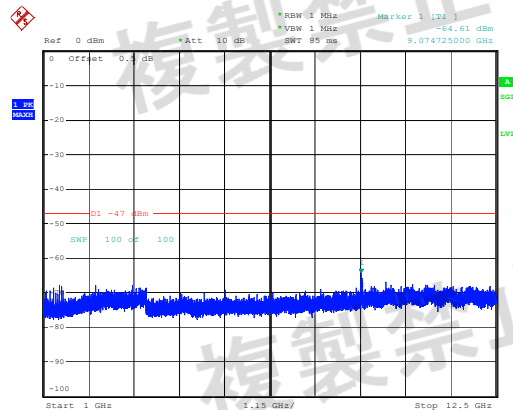
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Date: 28.SEP.2025 21:28:22

BLE 1M_Middle Channel(30MHz~1GHz)



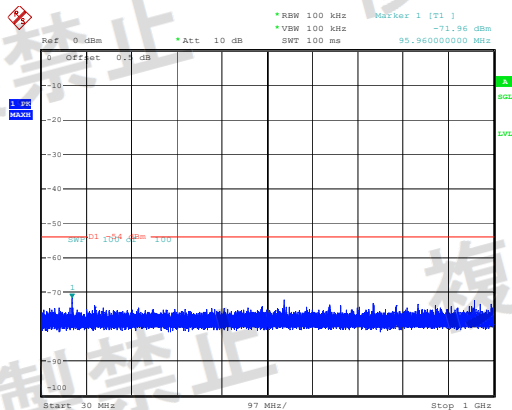
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Date: 28.SEP.2025 21:34:29

BLE 1M_Middle Channel(1GHz~12.5GHz)



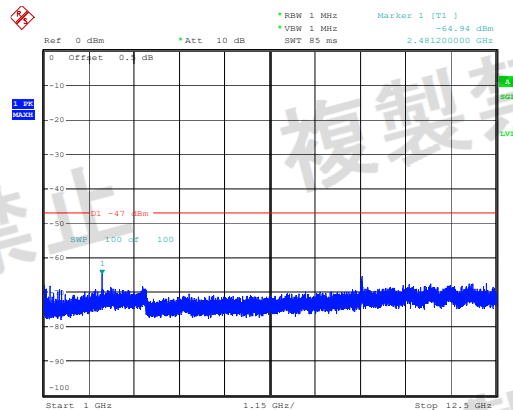
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Date: 28.SEP.2025 21:32:39

BLE 1M_High Channel(30MHz~1GHz)



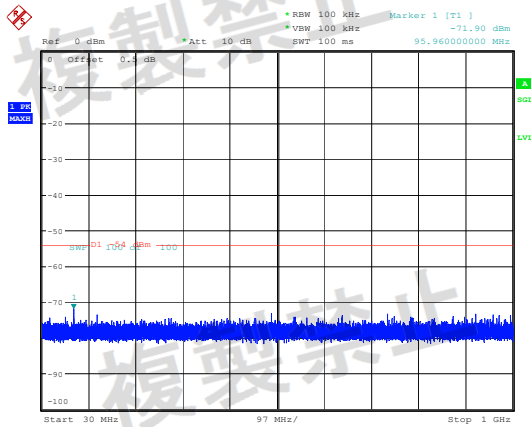
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Date: 28.SEP.2025 21:36:14

BLE 1M_High Channel(1GHz~12.5GHz)



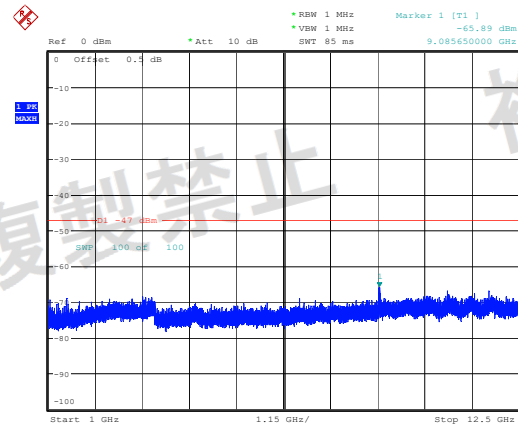
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Date: 28.SEP.2025 21:37:03

BLE 2M_Low Channel(30MHz~1GHz)



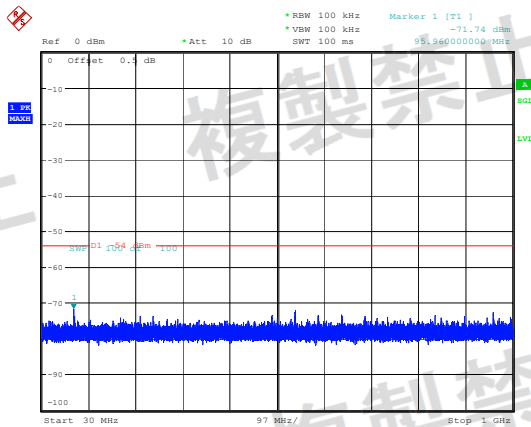
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Date: 28.SEP.2025 21:38:48

BLE 2M_Low Channel(1GHz~12.5GHz)



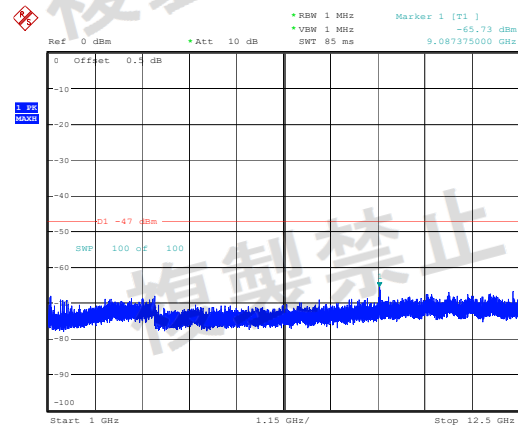
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Date: 28.SEP.2025 21:39:37

BLE 2M_Middle Channel(30MHz~1GHz)



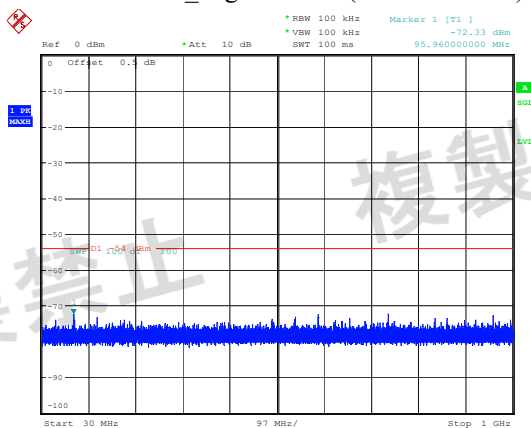
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Date: 28.SEP.2025 21:42:15

BLE 2M_Middle Channel(1GHz~12.5GHz)



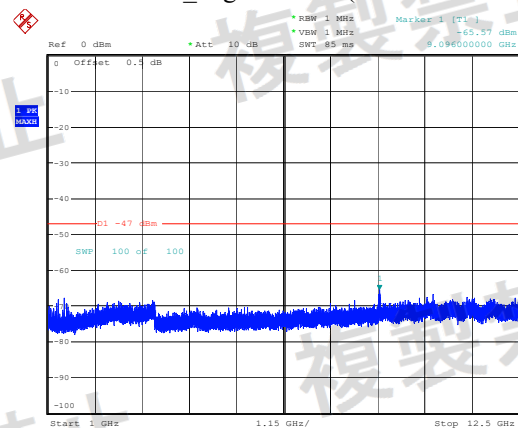
ProjectNo.:2507X38294E-RF Tester: Apollo Luo
Date: 28.SEP.2025 21:43:03

BLE 2M_High Channel(30MHz~1GHz)



ProjectNo.:2507X38294E-RF Tester: Apollo Luo
Date: 28.SEP.2025 21:46:47

BLE 2M_High Channel(1GHz~12.5GHz)



ProjectNo.:2507X38294E-RF Tester: Apollo Luo
Date: 28.SEP.2025 21:47:38

INTERFERENCE PREVENTION FUNCTION

Requirement

Article 6-2.3 of Regulations for Enforcement of the radio law

A wireless device used mainly in the same premises to automatically transmit or receive identification codes.

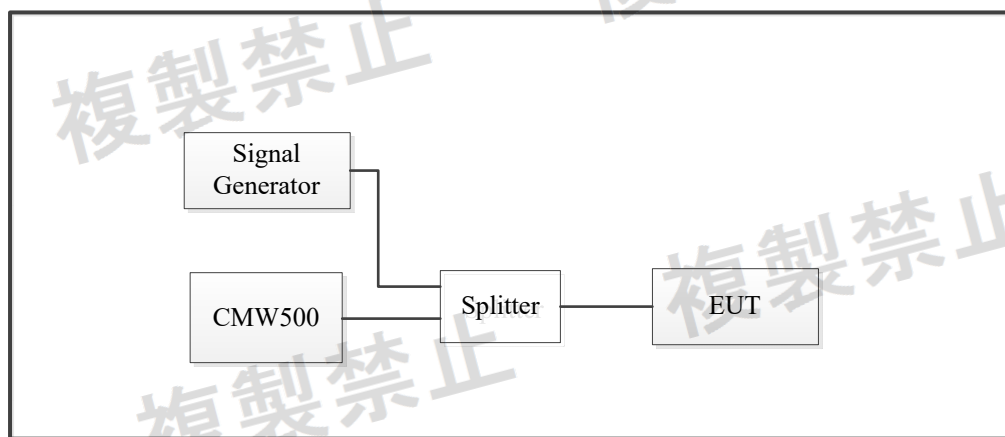
Article 1.8 of MPT Ministerial Notice No. 424 of 1994 (the last revision: Notice No. 374 of Nov. 10, 2023)

48 bits or more. However, for radio of the following frequencies, the requirement is 19 bits or more:

- (1) 5150-5250MHz; 5470-5730MHz; 5925-6425MHz;
- (2) 24.77-25.23GHz;
- (3) 57-66GHz.

Test Procedure

❖ Measurement System Diagram



- ❖ 1. In the case that the EUT has the function of automatically transmitting the identification code: a. Transmit the predetermined identification codes from EUT. b. Check the transmitted identification codes with the demodulator.
- ❖ 2. In the case of receiving the identification code: a. Transmit the predetermined identification codes from the counterpart. b. Check if communication is normal. c. Transmit the signals other than predetermined ID codes from the counterpart. d. Check if the EUT stops the transmission, or if it displays that identification codes are different from the predetermined ones.

Measurement Result

Test Mode:	Transmitting	Test Date:	2025-09-15
Temperature:	24.3°C	ATM Pressure:	100.3kPa
Humidity:	61%	Test Engineer:	Apollo Luo

Test Result: Good

CONSTRUCTION PROTECTION CONFIRMATION

Limit

The high-frequency section and modulation section of the radio equipment except for the antenna system shall not be capable of being opened easily.

Confirmation Result

Compliant, the RF part(include antenna) was covered by EUT case with screws, it can't be opened easily. Please refer the EUT photo.

EXHIBIT A – EUT PHOTOGRAPHS

Please refer to the attachment 2507X38294E-RF-EXP EUT EXTERNAL PHOTOGRAPHS and 2507X38294E-RF-INP EUT INTERNAL PHOTOGRAPHS.

EXHIBIT B – TEST SETUP PHOTOGRAPHS

Please refer to the attachment 2507X38294E-RF-TSP TEST SETUP PHOTOGRAPHS.

Declarations

1. Bay Area Compliance Laboratories Corp. (Fujian) is not responsible for authenticity of any information provided by the applicant. Information from the applicant that may affect test results are marked with an asterisk “★”.
2. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested.
3. Unless required by the rule provided by the applicant or product regulations, then decision rule in this report did not consider the uncertainty.
4. The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor $k=2$ with the 95% confidence interval.
5. This report cannot be reproduced except in full, without prior written approval of Bay Area Compliance Laboratories Corp. (Fujian).
6. This report is valid only with a valid digital signature. The digital signature may be available only under the adobe software above version 7.0.

****END OF REPORT****