

JAPAN MIC
TEST REPORT
For

YuShu Technology Co.,Ltd.

306 Room, Building 1, 88 Dongliu Rd, XiXing Street, Binjiang District, Hangzhou, ZheJiang, China

Tested Model: As2-W EDU

Report Type: Original Report	Product Name: Quadruped Robot
Report Number:	RKSA260716001-24C
Report Date:	2026-08-05
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REPORT REVISION HISTORY

Number of Revisions	Report No.	Version	Issue Date	Description
0	RKSA260716001-24C	R1V1	2026-08-05	Initial Release

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

Applicant:	YuShu Technology Co.,Ltd.
Product Name:	Quadruped Robot
Tested Model:	As2-W EDU
Series Model:	As2 EDU, As2 PRO, As2 X, As2 AIR, As2-W X
Model Difference:	Hardware Type; Sensor; Joint module (see the declaration letter for the details)
Power Supply:	DC 43.2V from battery
RF Function:	BLE
Operating Band/Frequency:	2402-2480 MHz
RF Output Power:	BLE 1M: 1.3 mW BLE 2M: 1.3 mW
Channel Number:	40
Channel Separation:	2 MHz
Modulation Type:	GFSK
★Maximum Antenna Gain:	4.1 dBi

Adapter Information:

Model: ADC-500YE-68-G

Input: 100-240V, 50/60Hz, 6.0A

Output: 33.0-66.0V 7.4A 488.4W Max

All measurement and test data in this report was gathered from production samples serial number: RKSA260716001-1
(Assigned by the BACL (Kunshan). The EUT was received on 2026-07-16.)

Based on the differences between models, we measured all items for model As2-W EDU.

Objective

The objective of the manufacturer is to demonstrate compliance with Radio Law of Japan item 19 of Article 2 Paragraph 1.

Test Methodology

All measurements contained in this report were conducted with technical regulations of the Radio Law of Japan MIC Notice No.88 Appendix No.43.

Test Facility

The test site used by Bay Area Compliance Laboratories Corp. (Kunshan) to collect test data is located on the No.248 Chenghu Road, Kunshan, Jiangsu Province, China.

EUT TEST CONFIGURATION

Description of Test Configuration

Channel list for BLE mode:

Channel	Frequency (MHz)	Channel	Frequency (MHz)
0	2402	20	2442
1	2404	...	...
...	...	...	...
...	...	...	...
...	...	38	2478
19	2440	39	2480

BLE 1M was tested with channel 0, 19 and 39.

BLE 2M was tested with channel 0, 19 and 39.

Test conditions

Voltage Fluctuation Test	Normal Voltage (V _{DC})	High Voltage (V _{DC})	Low Voltage (V _{DC})
Input DC Power	43.2	38.88	47.52
Input IC Power	3.3	3.29	3.29
Voltage Variation (%)	/	-0.3	-0.3

Based on above table, 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.

EUT Exercise Software

RF test tool: Bluetooth RF Test Tool

Mode	Data Rate	Channel	★Power Level setting
BLE	1 Mbps	Low	Default
		Middle	Default
		High	Default
	2 Mbps	Low	Default
		Middle	Default
		High	Default

Note: The power level was declared by the applicant.

Equipment Modifications

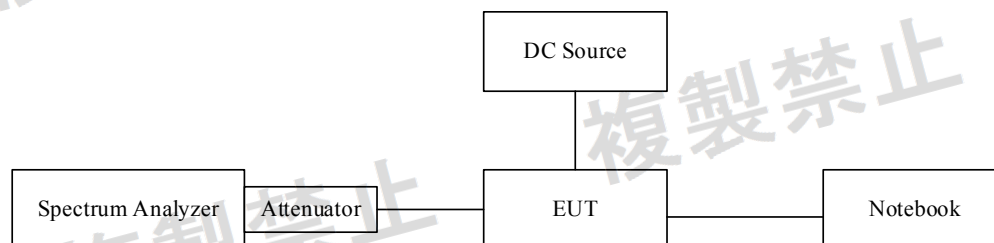
No modification was made to the EUT tested.

Support Equipment List and Details

Manufacturer	Description	Model	Serial Number
ZHAOXIN	DC Source	RXN-605D	21R605D08132677
Lenovo	Notebook	Y700P	PF2B7PL5

External I/O Cable

Cable Description	Length (m)	From Port	To Port
RF Cable	0.5	Attenuator	EUT
Power Cable	1.0	EUT	DC Source
USB Cable	1.0	EUT	Notebook

Configuration of Test Setup

Note: the offset = Attenuator (10dB) +Cable loss (0.5dB) has been added in Spectrum Analyzer

SUMMARY OF TEST RESULTS

MIC Notice No.88 Appendix No.43 Article 2, Paragraph 1, Item 19	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	Carrier Sense Capability	Not Applicable (See Note 3)
7	Transmission Antenna Gain	Not Applicable (See Note 1)
8	Transmission Radiation Angle Width	Not Applicable (See Note 1)
9	Interference Prevention Function	Compliant
10	Frequency Hopping Dwell Time	Not Applicable (See Note 2)
Appendix	Construction Protection Confirmation	Compliant

Note:

1. This test item is not be applied to the transmission antenna which EIRP is less than 12.14dBm.
2. Testing is only required for FHSS system devices;
3. The test only required for bandwidth more than 26 MHz and less than 40 MHz.

TEST EQUIPMENT LIST

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date	Calibration Authority	Calibration Method
Rohde & Schwarz	Signal Analyzer	FSV40	101116	2026-03-16	2027-03-15	BACL Cal	c)
Eastsheep	Attenuator	10dB	10dB-01	2026-03-12	2027-03-11	BACL Cal	c)
Rohde & Schwarz	Wideband Radio Communication Tester	CMW500	104478	2026-03-12	2027-03-11	BACL Cal	c)
Fluke	Digital Multimeter	15B+	45401661WS	2026-03-13	2027-03-12	BACL Cal	c)
Rohde & Schwarz	Vector Signal Generator	N5182B	MY53051592	2026-03-16	2027-03-15	BACL Cal	c)
MACOM	Power Splitter	2090-6214-00	96341	2026-03-13	2027-03-12	BACL Cal	c)
ZHAOXIN	DC Power Supply	RXN-605D	21R605D08132677	N/A	N/A	N/A	N/A
Anritsu	Power Metter	MA24418A	12621	2026-03-13	2027-03-12	BACL Cal	c)

NOTE: Calibration Method

- a): Calibration conducted by the National Institute of Information and Communications Technology~ 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) ~Japan Calibration Service System ~
- 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 other equipment that listed above from a) to c)

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

FREQUENCY ERROR

Limit

The Tolerance of frequency should be ± 50 ppm.

Test Procedure

Set the EUT to the measurement frequency without modulation.

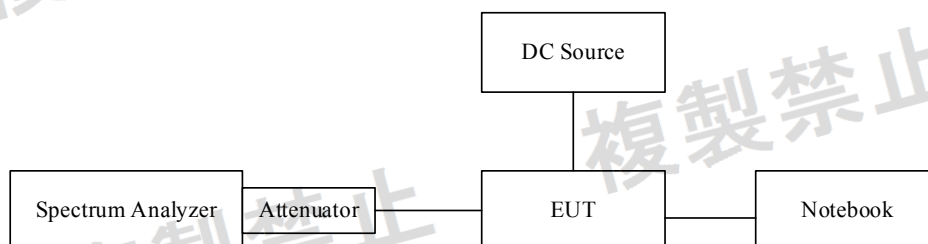
Setting of SA is following as: RBW: 1 kHz / VBW: 3 kHz / Sweep time: Auto / Sweep Mode: Continuous sweep / Detect mode: Positive peak / Trace mode: Max hold.

Record the peak spot frequency.

If the EUT can't set at un-modulation mode.

Setting of SA is following as: RBW: 100 kHz / VBW: 100 kHz / Sweep time: Auto / Sweep Mode: Continuous sweep / Detect mode: Positive peak / Trace mode: Max hold.

Record the peak spot frequency, measure the 10dBc center frequency.



Note: the offset = Attenuator (10dB) + Cable loss (0.5dB) has been added in Spectrum Analyzer

Test Data: See Appendix

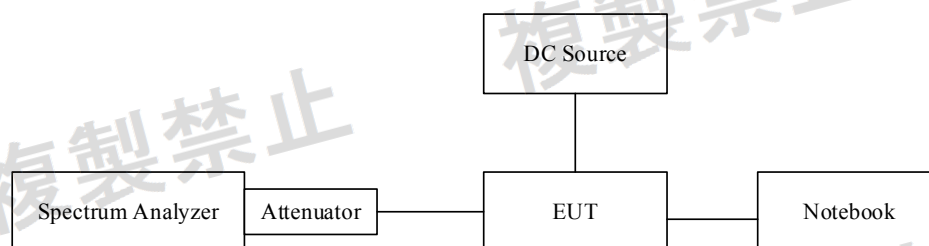
OCCUPIED BANDWIDTH

Limit

Occupied bandwidth: FH $\leq$ 83.5 MHz; OFDM, DS $\leq$ 26 MHz; Others $\leq$ 26 MHz

Test Procedure

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



Note: the offset = Attenuator (10dB) + Cable loss (0.5dB) has been added in Spectrum Analyzer

Test Data: See Appendix

TRANSMITTER SPURIOUS EMISSION STRENGTH AND UNWANTED EMISSION INTENSITY

Limit

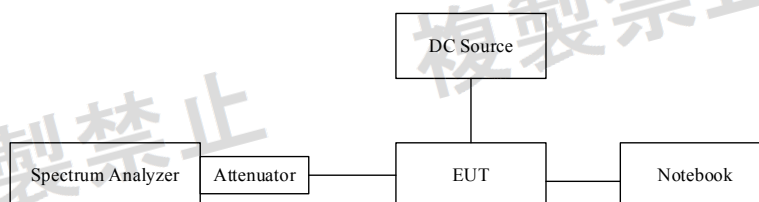
$30 \text{ MHz} \leq f \leq 1\text{GHz}$: $0.25 \mu\text{W}/100 \text{ kHz}$

$1 \text{ GHz} < f < 2387 \text{ MHz}$; $2496.5 \text{ MHz} < f \leq 12500\text{MHz}$: $\leq 2.5\mu\text{W}/\text{MHz}$

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

Test Procedure

Measurement System Diagram



Note : the offset= Attenuator (10dB) +Cable loss (0.5dB) has been added in Spectrum Analyzer

Conditions of Application Equipment (EUT)

The modulation state shall be in continuously transmitting mode.

Spectrum Analyzer Conditions

Setting of SA start 30 MHz and stop frequency 1 GHz, RBW: 100 kHz/VBW: 100 kHz, 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 $0.25 \mu\text{W}$.

Setting of SA start 1GHz and stop frequency 2387MHz, RBW: 1 MHz/VBW: 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 $2.5 \mu\text{W}$.

Setting of SA start 2387 MHz and stop frequency 2400 MHz, RBW: 1 MHz/VBW: 1 MHz, 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 $25 \mu\text{W}$.

Setting of SA start 2483.5 MHz and stop frequency 2496.5MHz, RBW: 1MHz/VBW: 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 $25 \mu\text{W}$.

Setting of SA start 2496.5 MHz and stop frequency 12500 MHz, RBW: 1 MHz/VBW: 1 MHz, 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 $2.5 \mu\text{W}$.

Test Data: See Appendix

ANTENNA OUTPUT POWER AND ANTENNA POWER TOLERANCE

Limit

- $\leq 3 \text{ mW /MHz}$ (FHSS from 2402 - 2480 MHz)
- $\leq 10 \text{ mW/MHz}$ (OFDM, DSSS from 2400 - 2483.5 MHz)
- $\leq 10 \text{ mW}$ (other from 2400 - 2483.5 MHz)

The Output Power Tolerance must be within +20%.

e.i.r.p:

$\leq 12.14\text{dBm}$

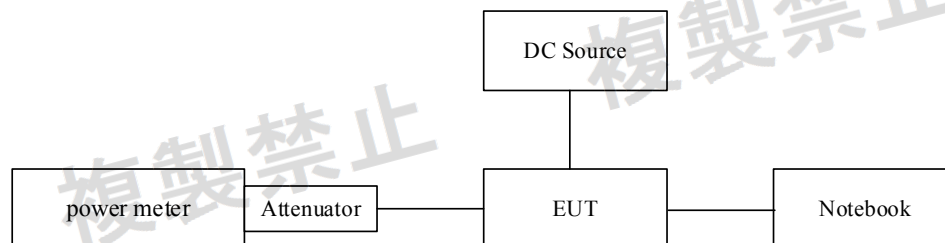
Test Procedure

Step1; Measure the total power by Power Meter (with Average Sensor).

Step2; If it's the burst wave, please measure the burst ratio. Then add the duty cycle in power meter.

Test Setup Block diagram

Power:



Note: the offset = Attenuator (10dB) +Cable loss (0.5dB) has been added in Power Meter

Test Data: See Appendix

RECEIVER SPURIOUS EMISSION AND UNWANTED EMISSION INTENSITY

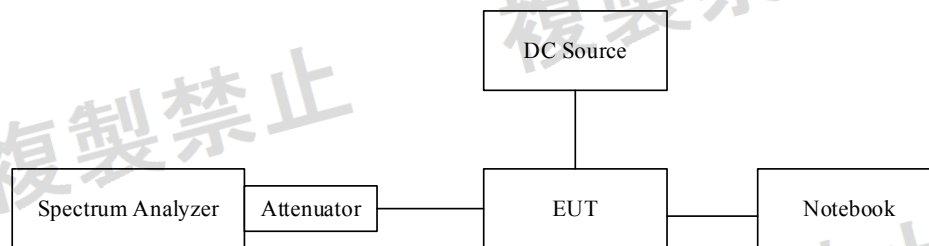
Limit

$\leq 4 \text{ nW}$ ($30 \text{ MHz} \leq f \leq 1000 \text{ MHz}$)

$\leq 20 \text{ nW}$ ($1 \text{ GHz} \leq f \leq 12.5 \text{ GHz}$)

Test Procedure

Measurement System Diagram



Note : the offset= Attenuator (10dB) +Cable loss (0.5dB) has been added in Spectrum Analyzer

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 (30 MHz or 1 GHz)
- Stop Frequency: Stop Frequency of frequency range to measure (1 GHz or 12.5 GHz)
- Span: AUTO (Measurement Range)
- RBW: 100 kHz, VBW: 100 kHz for Frequency < 1 GHz
- RBW: 1 MHz, VBW: 1 MHz 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: See Appendix

INTERFERENCE PREVENTION FUNCTION

Requirement

The EUT shall have the interference prevention capability to transmit or to receive the identification automatically, so that sender and receiver shall exclude other equipment.

Test Procedure

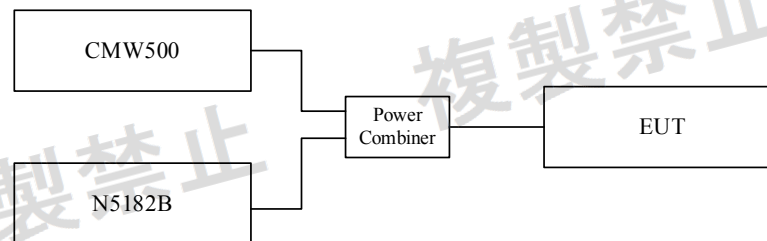
In the case that the EUT has the function of automatically transmitting the identification code:

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.

Test Setup Block diagram



Environmental Conditions & Test Information

Test Date:	2026-07-22
Temperature:	24.2℃
Relative Humidity:	63 %
ATM Pressure:	102.7 kPa
Test Result:	Pass
Test Engineer:	Neil Zhou

Test Data:

Item	Result	Requirement	Verdict
Methodology to transmit ID Code:	Automatically	Automatically	Compliant
Methodology to receive ID Code:	Automatically	Automatically	Compliant
Identification Codes (ID Codes) of EUT:	63:4B:26:36:8F:2B	/	/
Bits of ID Codes:	48 bits	48 bits or more	Compliant

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 Method

The EUT's shell has been locked by screws, so it cannot be opened easily. Please refer to EUT Photo.

APPENDIX-TEST DATA**FREQUENCY ERROR****Environmental Conditions & Test Information**

Test Date:	2026-07-24
Temperature:	24 °C
Relative Humidity:	50 %
ATM Pressure:	102.5kPa
Test Result:	Pass
Test Engineer:	Neil Zhou

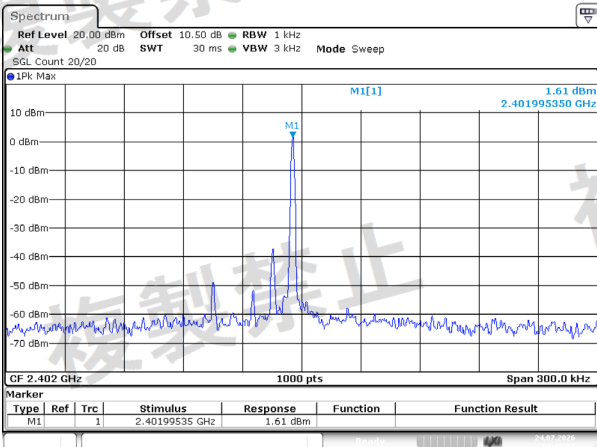
Test Result: Compliant*Test Mode: Transmitting*

Frequency (MHz)	Measure Frequency (MHz)	Frequency Tolerance (ppm)	Limit (ppm)
2402	2401.99535	-1.94	±50
2440	2439.99475	-2.15	
2480	2479.99415	-2.36	

Note: Frequency Tolerance = (Measure Frequency - Frequency)/Frequency*10⁶

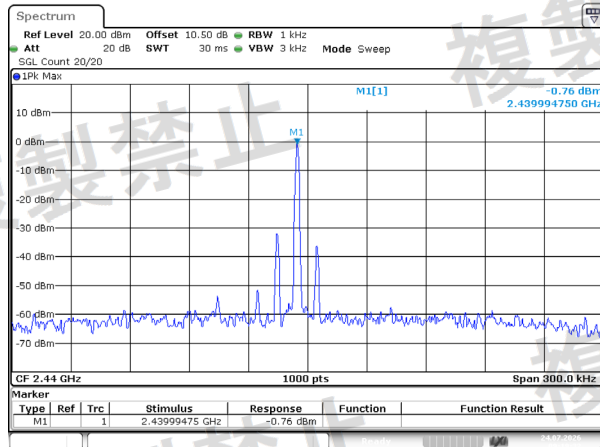
Test Condition: NV

2402MHz



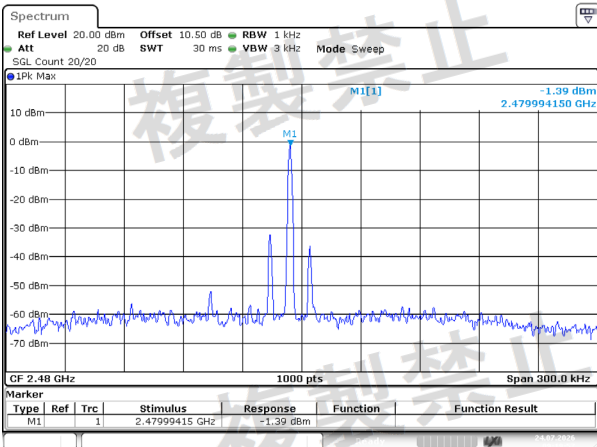
ProjectNo.:RKSA260716001 Tester:Neil Zhou
Date: 24.JUL.2026 09:18:57

2440MHz



ProjectNo.:RKSA260716001 Tester:Neil Zhou
Date: 24.JUL.2026 09:19:32

2480MHz



ProjectNo.:RKSA260716001 Tester:Neil Zhou
Date: 24.JUL.2026 09:19:57

OCCUPIED BANDWIDTH**Environmental Conditions & Test Information**

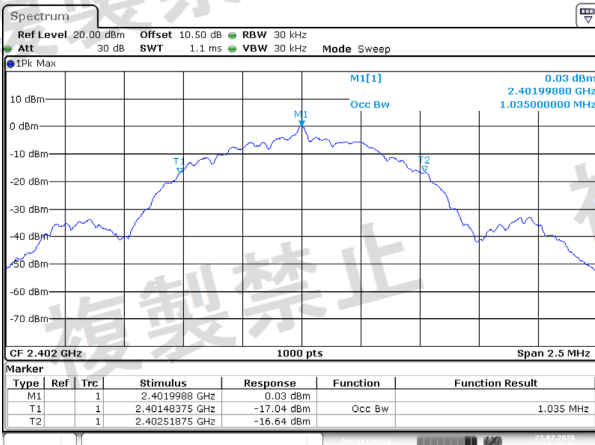
Test Date:	2026-07-23
Temperature:	26 °C
Relative Humidity:	52 %
ATM Pressure:	102.0kPa
Test Result:	Pass
Test Engineer:	Neil Zhou

Test Result: Compliant*Test Mode: Transmitting***Test Condition: NV**

Mode	Occupied bandwidth (MHz)			Limit(MHz)	Verdict
	Low Channel	Middle Channel	High Channel		
BLE 1M	1.035	1.035	1.03	≤ 26	Pass
BLE 2M	2.05	2.045	2.04		Pass

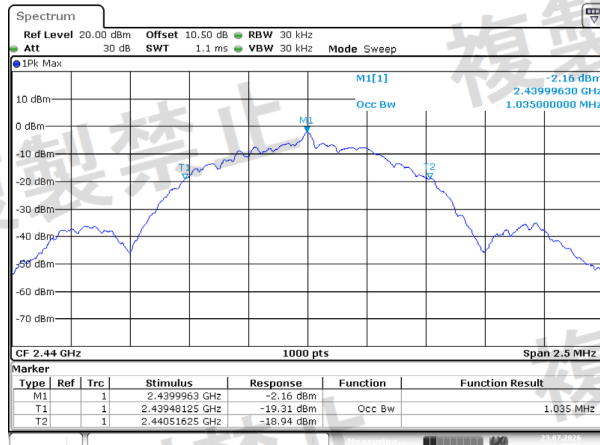
Test Condition: NV

BLE 1M_Low Channel



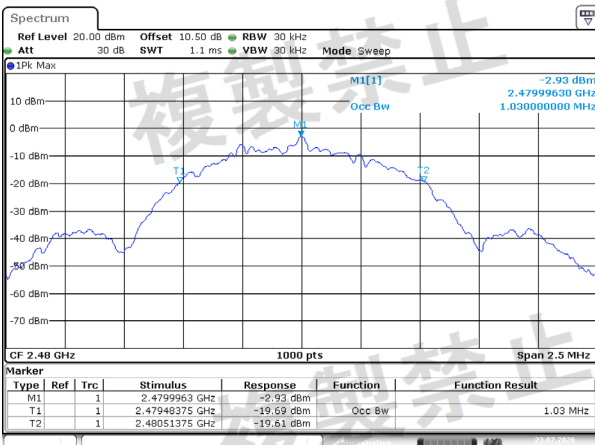
ProjectNo.:RKSA260716001 Tester:Neil Zhou
Date: 23.JUL.2026 19:48:41

BLE 1M_Middle Channel



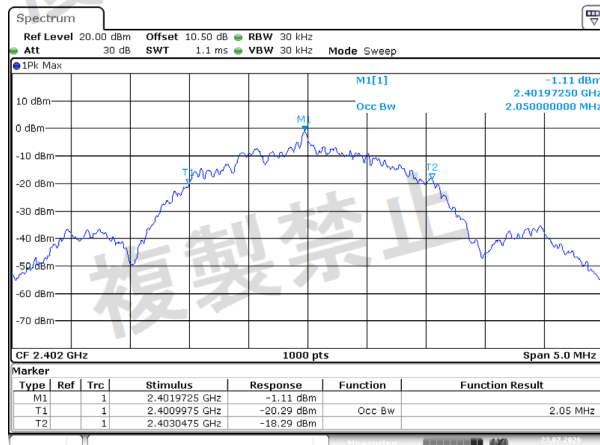
ProjectNo.:RKSA260716001 Tester:Neil Zhou
Date: 23.JUL.2026 19:49:59

BLE 1M_High Channel



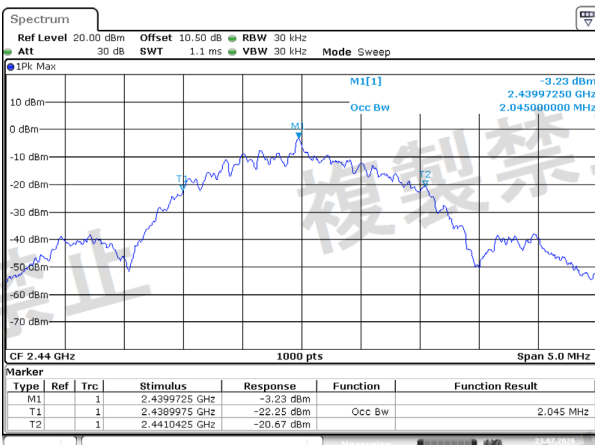
ProjectNo.:RKSA260716001 Tester:Neil Zhou
Date: 23.JUL.2026 19:52:29

BLE 2M_Low Channel



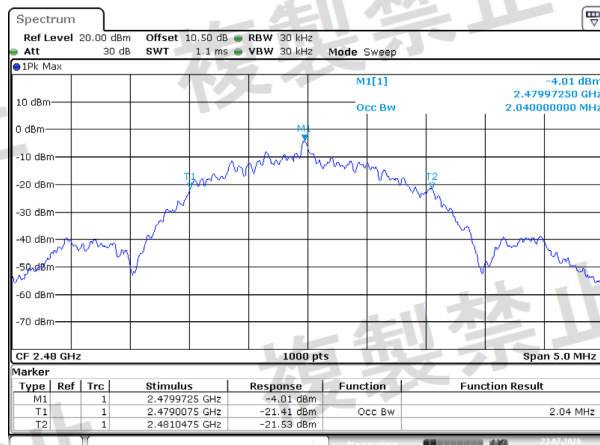
ProjectNo.:RKSA260716001 Tester:Neil Zhou
Date: 23.JUL.2026 19:54:25

BLE 2M_Middle Channel



ProjectNo.:RKSA260716001 Tester:Neil Zhou
Date: 23.JUL.2026 19:55:42

BLE 2M_High Channel



ProjectNo.:RKSA260716001 Tester:Neil Zhou
Date: 23.JUL.2026 19:57:02

TRANSMITTER SPURIOUS EMISSION STRENGTH AND UNWANTED EMISSION INTENSITY**Environmental Conditions & Test Information**

Test Date:	2026-07-23
Temperature:	26 °C
Relative Humidity:	52 %
ATM Pressure:	102.0kPa
Test Result:	Pass
Test Engineer:	Neil Zhou

Test Result: Compliant*Test Mode: Transmitting***Test Condition: Normal, BLE 1M**

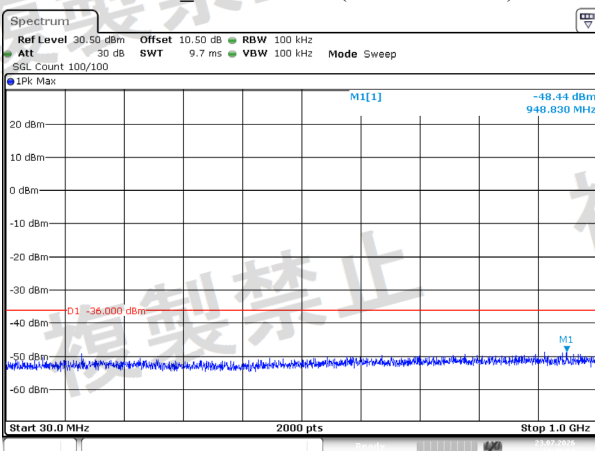
Channel	Test Band (RBW)	Frequency Range		Max.Emission Located(MHz)	Result (dBm/RBW)	Result (μW/RBW)	Limit (μW/RBW)	Verdict
		Start(MHz)	Stop(MHz)					
Low	Band I (100kHz)	30	1000	948.83	-48.44	0.014	0.25	Pass
	Band II (1MHz)	1000	2387	2203.57	-38.75	0.133	2.50	Pass
	Band III (1MHz)	2387	2400	2399.9903	-31.81	0.659	25	Pass
	Band IV (1MHz)	2483.5	2496.5	2489.0413	-39.22	0.120	25	Pass
	Band V (1MHz)	2496.5	12500	6865.5	-33.44	0.453	2.50	Pass
Middle	Band I (100kHz)	30	1000	979.87	-47.70	0.017	0.25	Pass
	Band II (1MHz)	1000	2387	2107.87	-38.78	0.132	2.50	Pass
	Band III (1MHz)	2387	2400	2392.0863	-39.00	0.126	25	Pass
	Band IV (1MHz)	2483.5	2496.5	2490.8418	-38.52	0.141	25	Pass
	Band V (1MHz)	2496.5	12500	6845.5	-33.64	0.433	2.50	Pass
High	Band I (100kHz)	30	1000	799.45	-48.28	0.015	0.25	Pass
	Band II (1MHz)	1000	2387	2130.06	-38.91	0.129	2.50	Pass
	Band III (1MHz)	2387	2400	2399.8993	-38.69	0.135	25	Pass
	Band IV (1MHz)	2483.5	2496.5	2494.4558	-39.30	0.117	25	Pass
	Band V (1MHz)	2496.5	12500	6945.6	-33.39	0.458	2.50	Pass

Test Condition: Normal, BLE 2M

Channel	Test Band (RBW)	Frequency Range		Max.Emission Located(MHz)	Result (dBm/RBW)	Result (μW/RBW)	Limit (μW/RBW)	Verdict
		Start(MHz)	Stop(MHz)					
Low	Band I (100kHz)	30	1000	996.85	-47.88	0.016	0.25	Pass
	Band II (1MHz)	1000	2387	2176.52	-39.49	0.112	2.50	Pass
	Band III (1MHz)	2387	2400	2399.9968	-20.35	9.226	25	Pass
	Band IV (1MHz)	2483.5	2496.5	2493.4028	-38.75	0.133	25	Pass
	Band V (1MHz)	2496.5	12500	6945.6	-33.77	0.420	2.50	Pass
Middle	Band I (100kHz)	30	1000	723.79	-48.65	0.014	0.25	Pass
	Band II (1MHz)	1000	2387	1763.89	-30.74	0.843	2.50	Pass
	Band III (1MHz)	2387	2400	2398.2743	-39.22	0.120	25	Pass
	Band IV (1MHz)	2483.5	2496.5	2484.3808	-38.50	0.141	25	Pass
	Band V (1MHz)	2496.5	12500	6800.5	-34.15	0.385	2.50	Pass
High	Band I (100kHz)	30	1000	936.22	-48.51	0.014	0.25	Pass
	Band II (1MHz)	1000	2387	2105.79	-39.38	0.115	2.50	Pass
	Band III (1MHz)	2387	2400	2387.9198	-39.53	0.111	25	Pass
	Band IV (1MHz)	2483.5	2496.5	2486.0383	-39.01	0.126	25	Pass
	Band V (1MHz)	2496.5	12500	6860.5	-33.85	0.412	2.50	Pass

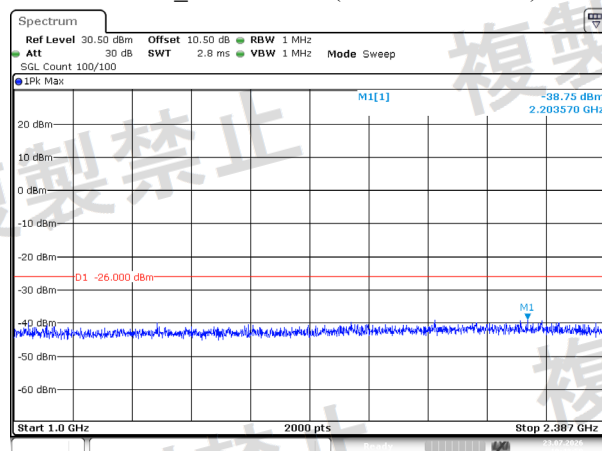
Test Condition: NV

BLE 1M_Low Channel(30MHz~1GHz)



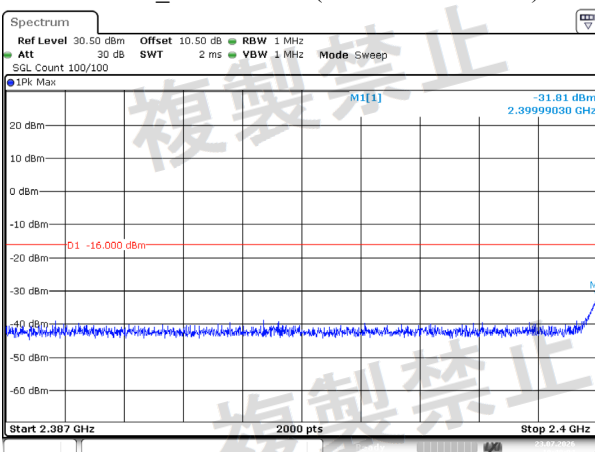
ProjectNo.:RKSA260716001 Tester:Neil Zhou
Date: 23.JUL.2026 19:48:52

BLE 1M_Low Channel(1GHz~2.387GHz)



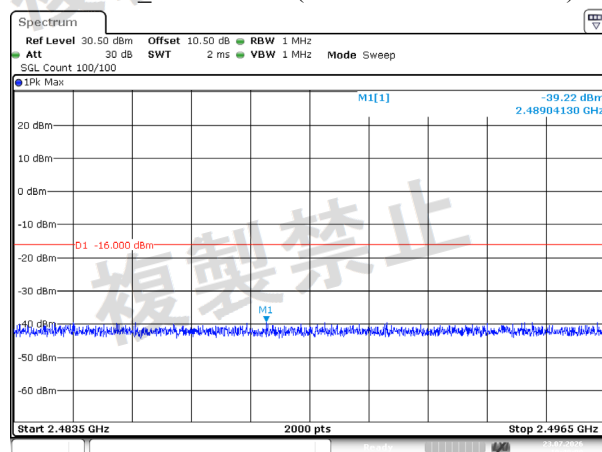
ProjectNo.:RKSA260716001 Tester:Neil Zhou
Date: 23.JUL.2026 19:48:59

BLE 1M_Low Channel(2.387GHz~2.4GHz)



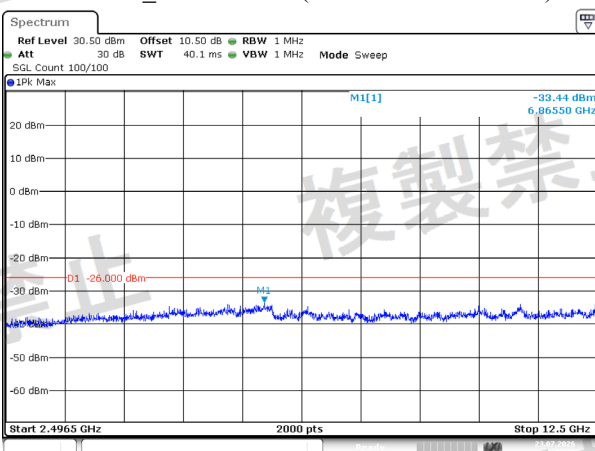
ProjectNo.:RKSA260716001 Tester:Neil Zhou
Date: 23.JUL.2026 19:49:04

BLE 1M_Low Channel(2.4835GHz~2.4965GHz)



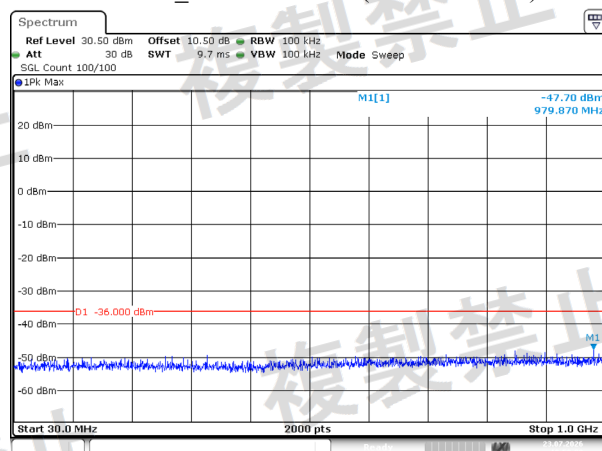
ProjectNo.:RKSA260716001 Tester:Neil Zhou
Date: 23.JUL.2026 19:49:09

BLE 1M_Low Channel(2.4965GHz~12.5GHz)



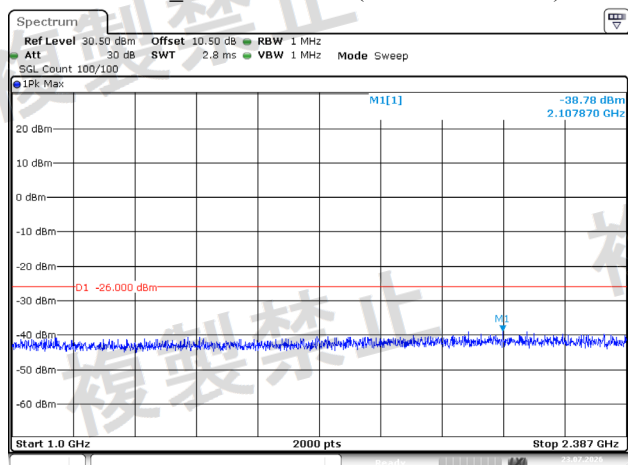
ProjectNo.:RKSA260716001 Tester:Neil Zhou
Date: 23.JUL.2026 19:49:30

BLE 1M_Middle Channel(30MHz~1GHz)



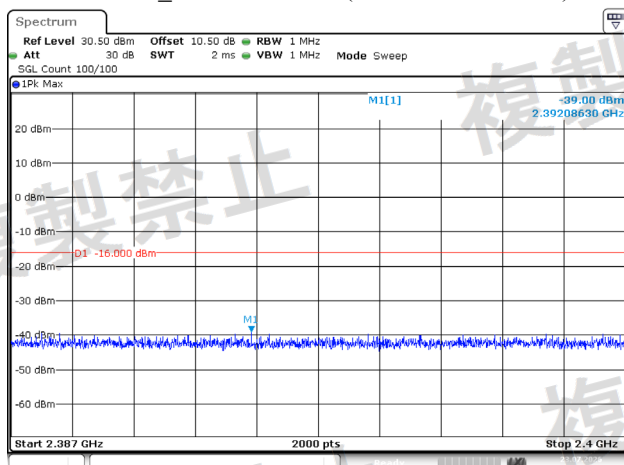
ProjectNo.:RKSA260716001 Tester:Neil Zhou
Date: 23.JUL.2026 19:50:10

BLE 1M_Middle Channel(1GHz~2.387GHz)



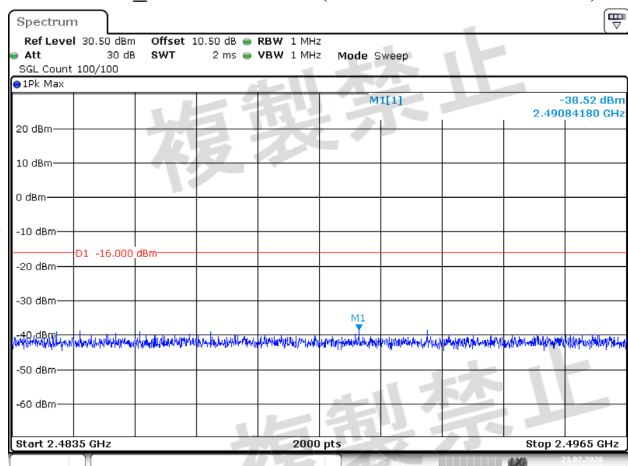
ProjectNo.:RKSA260716001 Tester:Neil Zhou
Date: 23.JUL.2026 19:50:16

BLE 1M_Middle Channel(2.387GHz~2.4GHz)



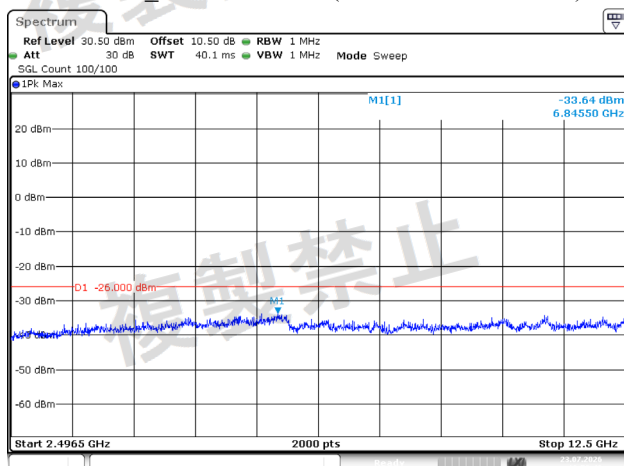
ProjectNo.:RKSA260716001 Tester:Neil Zhou
Date: 23.JUL.2026 19:50:21

BLE 1M_Middle Channel(2.4835GHz~2.4965GHz)



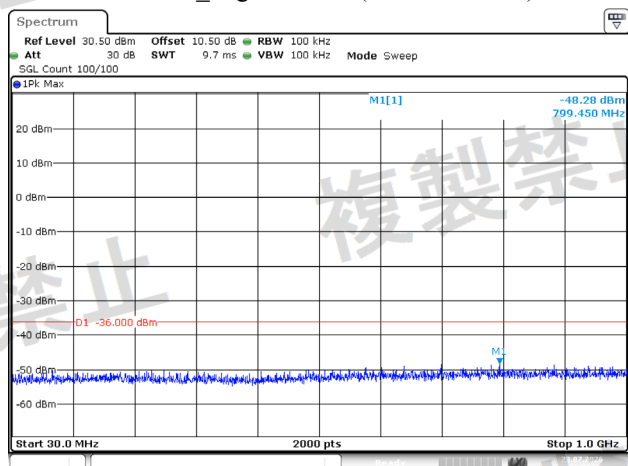
ProjectNo.:RKSA260716001 Tester:Neil Zhou
Date: 23.JUL.2026 19:50:26

BLE 1M_Middle Channel(2.4965GHz~12.5GHz)



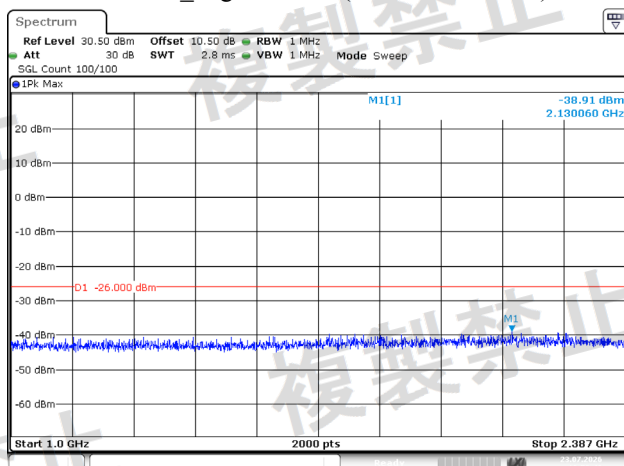
ProjectNo.:RKSA260716001 Tester:Neil Zhou
Date: 23.JUL.2026 19:50:47

BLE 1M_High Channel(30MHz~1GHz)



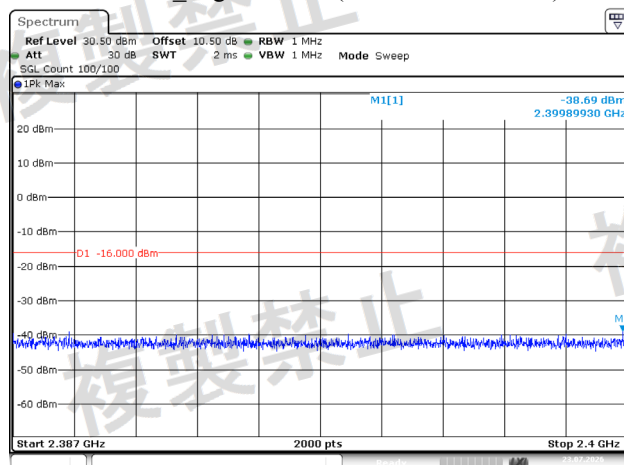
ProjectNo.:RKSA260716001 Tester:Neil Zhou
Date: 23.JUL.2026 19:52:41

BLE 1M_High Channel(1GHz~2.387GHz)



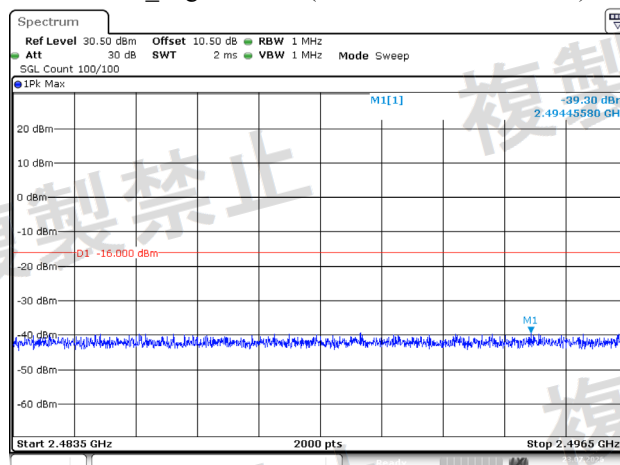
ProjectNo.:RKSA260716001 Tester:Neil Zhou
Date: 23.JUL.2026 19:52:48

BLE 1M_High Channel(2.387GHz~2.4GHz)



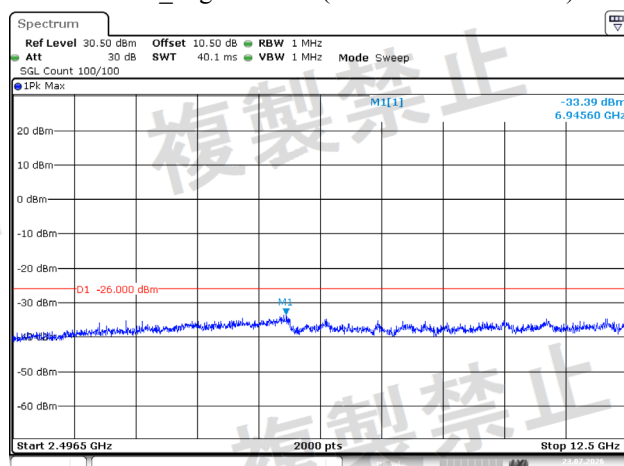
ProjectNo.:RKSA260716001 Tester:Neil Zhou
Date: 23.JUL.2026 19:52:52

BLE 1M_High Channel(2.4835GHz~2.4965GHz)



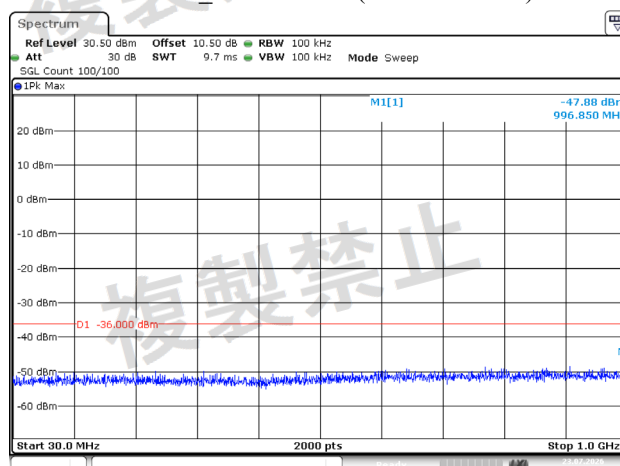
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BLE 1M_High Channel(2.4965GHz~12.5GHz)



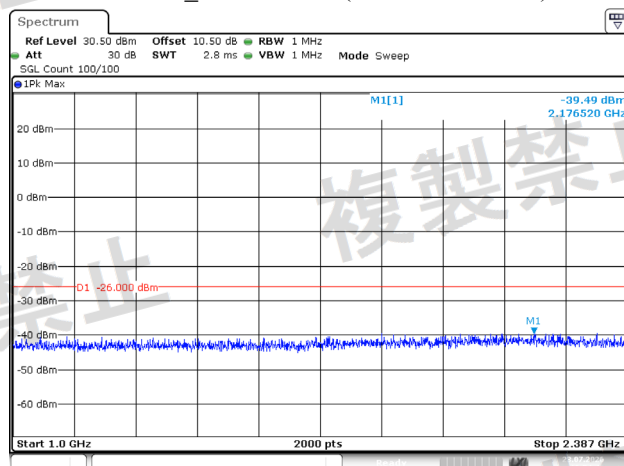
ProjectNo.:RKSA260716001 Tester:Neil Zhou
Date: 23.JUL.2026 19:53:19

BLE 2M_Low Channel(30MHz~1GHz)



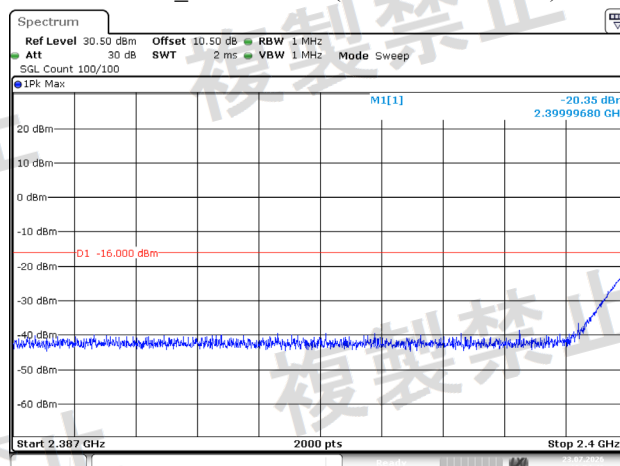
ProjectNo.:RKSA260716001 Tester:Neil Zhou
Date: 23.JUL.2026 19:54:36

BLE 2M_Low Channel(1GHz~2.387GHz)



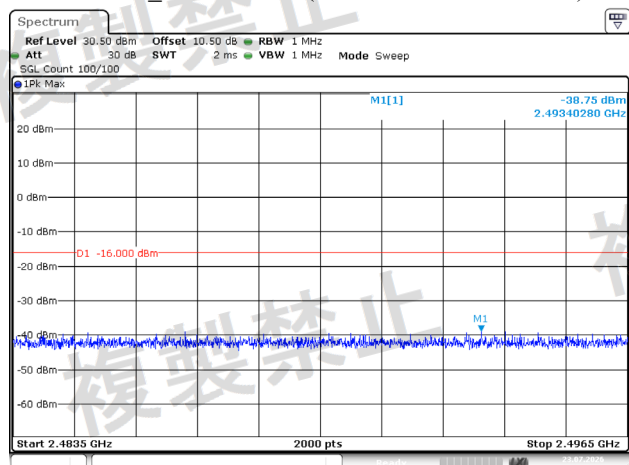
ProjectNo.:RKSA260716001 Tester:Neil Zhou
Date: 23.JUL.2026 19:54:43

BLE 2M_Low Channel(2.387GHz~2.4GHz)



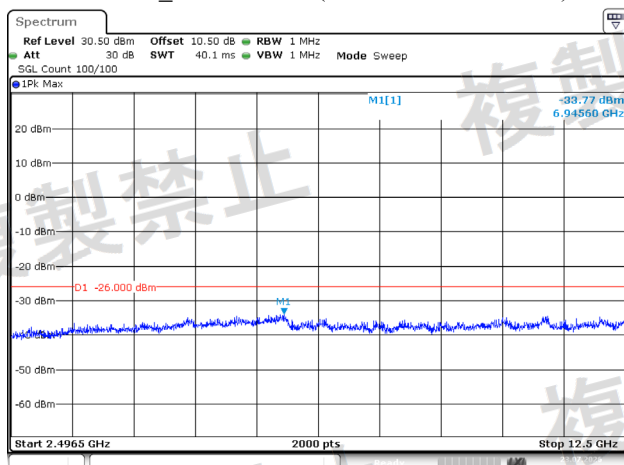
ProjectNo.:RKSA260716001 Tester:Neil Zhou
Date: 23.JUL.2026 19:54:48

BLE 2M_Low Channel(2.4835GHz~2.4965GHz)



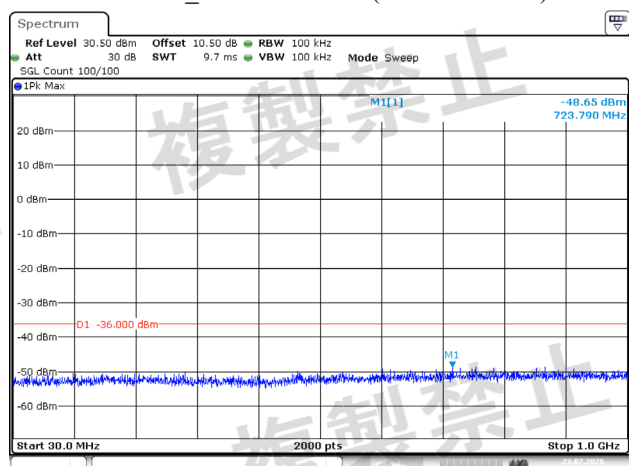
ProjectNo.:RKSA260716001 Tester:Neil Zhou
Date: 23.JUL.2026 19:54:53

BLE 2M_Low Channel(2.4965GHz~12.5GHz)



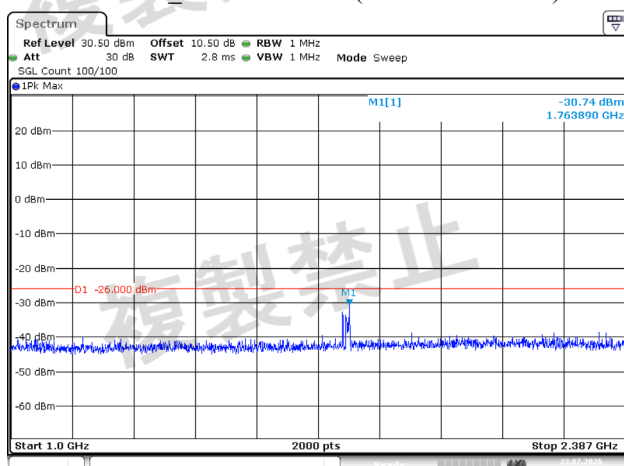
ProjectNo.:RKSA260716001 Tester:Neil Zhou
Date: 23.JUL.2026 19:55:14

BLE 2M_Middle Channel(30MHz~1GHz)



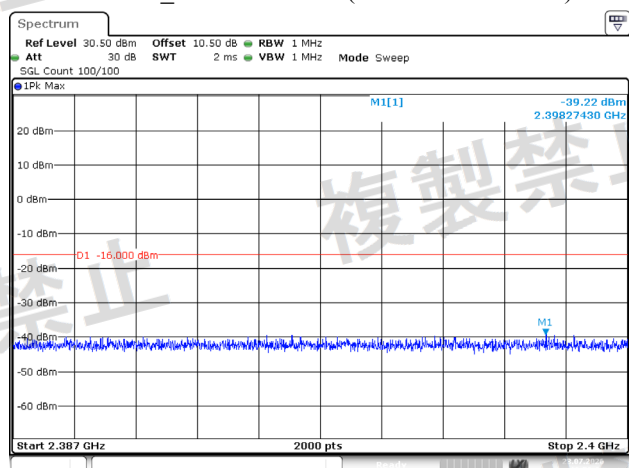
ProjectNo.:RKSA260716001 Tester:Neil Zhou
Date: 23.JUL.2026 19:55:54

BLE 2M_Middle Channel(1GHz~2.387GHz)



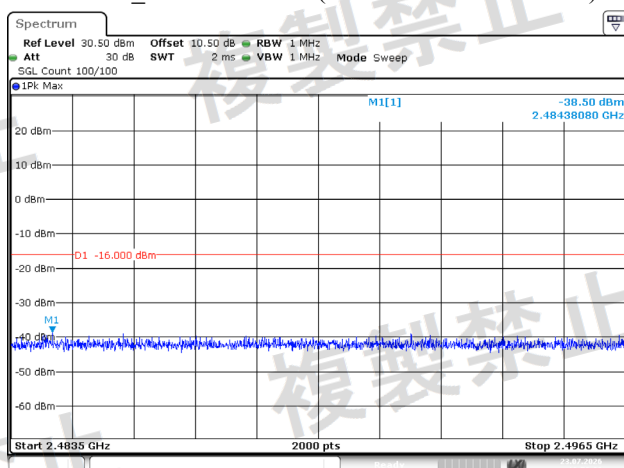
ProjectNo.:RKSA260716001 Tester:Neil Zhou
Date: 23.JUL.2026 19:56:00

BLE 2M_Middle Channel(2.387GHz~2.4GHz)



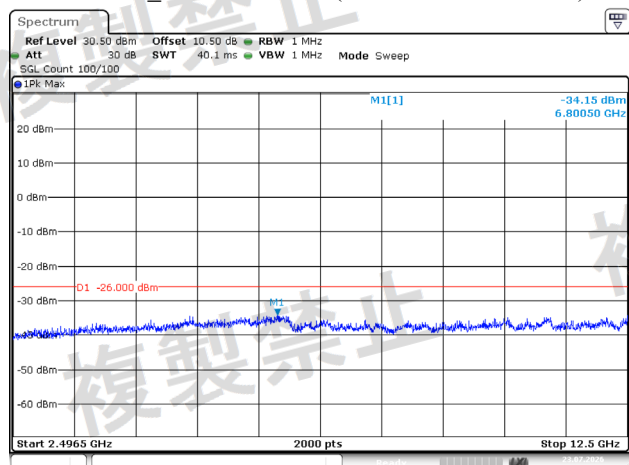
ProjectNo.:RKSA260716001 Tester:Neil Zhou
Date: 23.JUL.2026 19:56:05

BLE 2M_Middle Channel(2.4835GHz~2.4965GHz)



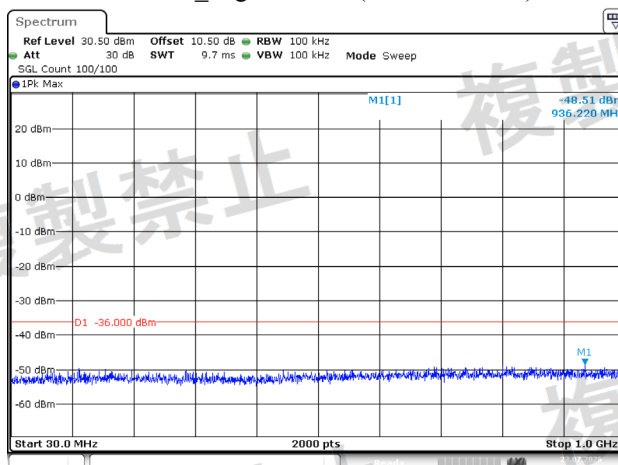
ProjectNo.:RKSA260716001 Tester:Neil Zhou
Date: 23.JUL.2026 19:56:10

BLE 2M_Middle Channel(2.4965GHz~12.5GHz)



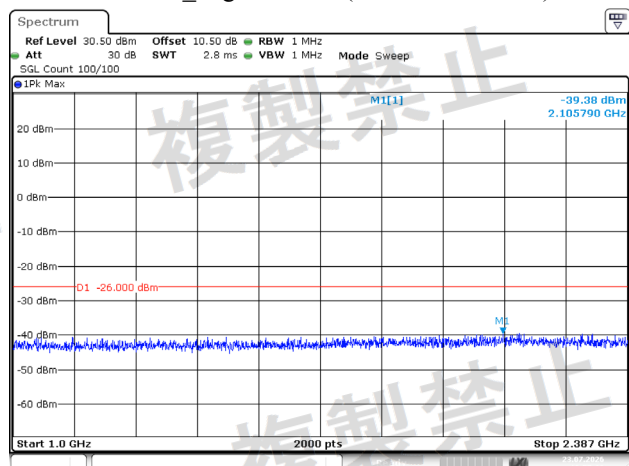
ProjectNo.:RKSA260716001 Tester:Neil Zhou
Date: 23.JUL.2026 19:56:31

BLE 2M_High Channel(30MHz~1GHz)



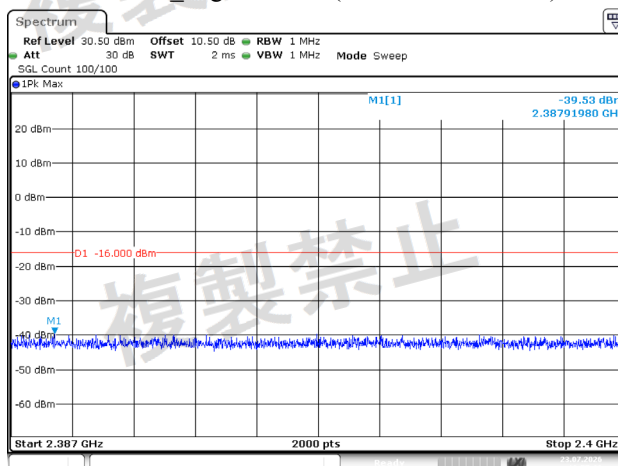
ProjectNo.:RKSA260716001 Tester:Neil Zhou
Date: 23.JUL.2026 19:57:14

BLE 2M_High Channel(1GHz~2.387GHz)



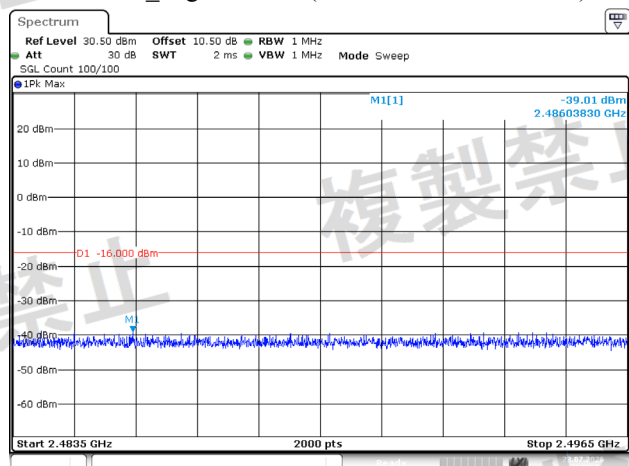
ProjectNo.:RKSA260716001 Tester:Neil Zhou
Date: 23.JUL.2026 19:57:20

BLE 2M_High Channel(2.387GHz~2.4GHz)



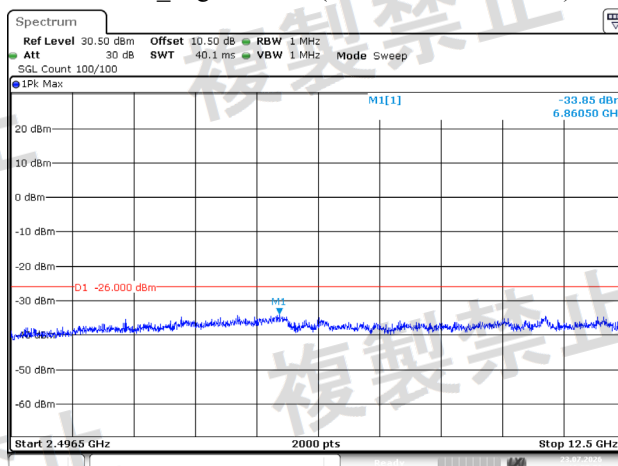
ProjectNo.:RKSA260716001 Tester:Neil Zhou
Date: 23.JUL.2026 19:57:25

BLE 2M_High Channel(2.4835GHz~2.4965GHz)



ProjectNo.:RKSA260716001 Tester:Neil Zhou
Date: 23.JUL.2026 19:57:30

BLE 2M_High Channel(2.4965GHz~12.5GHz)



ProjectNo.:RKSA260716001 Tester:Neil Zhou
Date: 23.JUL.2026 19:57:51

ANTENNA OUTPUT POWER AND ANTENNA POWER TOLERANCE**Environmental Conditions & Test Information**

Test Date:	2026-07-23
Temperature:	26 °C
Relative Humidity:	52 %
ATM Pressure:	102.0kPa
Test Result:	Pass
Test Engineer:	Neil Zhou

Test Result: Compliant*Test Mode: Transmitting*

BLE 1M:

Frequency (MHz)	2402	2440	2480
Antenna Output Power (mW)	1.256	0.752	0.670
Antenna Output Power (dBm)	0.99	-1.24	-1.74
EIRP (dBm)	5.09	2.86	2.36
Declared Power (mW)	1.30	1.30	1.30
Antenna Output Power Tolerance(%)	-3.38	-42.18	-48.47
Antenna Power Limit	10mW		
EIRP Limit	12.14dBm		
Antenna Tolerance Limit	20%		
Result	Pass		

Note:

1. The declared power is 1.3 mW, which is declared by manufacturer.
2. Antenna gain is 4.1 dBi.
3. Antenna Output Power Tolerance = (Antenna Output Power - Declared Power)/ Declared Power *100%

BLE 2M:

Frequency (MHz)	2402	2440	2480
Antenna Output Power (mW)	1.268	0.753	0.671
Antenna Output Power (dBm)	1.03	-1.23	-1.73
EIRP (dBm)	5.13	2.87	2.37
Declared Power (mW)	1.30	1.30	1.30
Antenna Output Power Tolerance(%)	-2.49	-42.05	-48.35
Antenna Power Limit	10mW		
EIRP Limit	12.14dBm		
Antenna Tolerance Limit	20%		
Result	Pass		

Note:

1. The declared power is 1.3 mW, which is declared by manufacturer.
2. Antenna gain is 4.1 dBi.
3. Antenna Output Power Tolerance = (Antenna Output Power - Declared Power)/ Declared Power *100%

RECEIVER SPURIOUS EMISSION AND UNWANTED EMISSION INTENSITY**Environmental Conditions & Test Information**

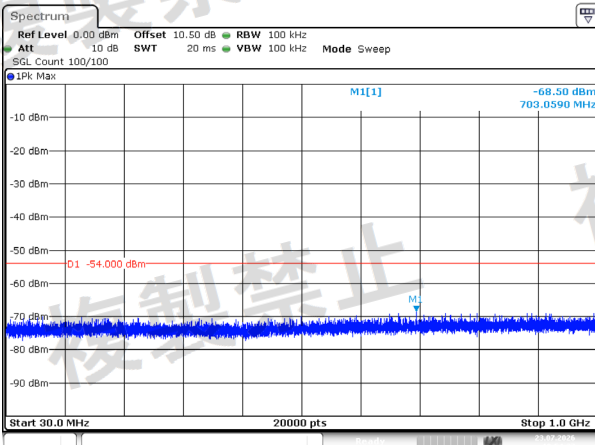
Test Date:	2026-07-23
Temperature:	26 °C
Relative Humidity:	52 %
ATM Pressure:	102.0kPa
Test Result:	Pass
Test Engineer:	Neil Zhou

Test Result: Compliant.*Test Mode: Receiving***Test Condition: NV**

Mode	Channel	Test Band (RBW)	Frequency Range		Max.Emission Located(MHz)	Result (dBm)	Result (nW)	Limit (nW)	Verdict
			Start(MHz)	Stop(MHz)					
BLE 1M	Low	Band I (100kHz)	30	1000	703.059	-68.50	0.141	4	Pass
		Band II (1MHz)	1000	12500	6562.26	-53.51	4.457	20	Pass
	Middle	Band I (100kHz)	30	1000	798.022	-68.14	0.153	4	Pass
		Band II (1MHz)	1000	12500	6950.39	-53.79	4.178	20	Pass
	High	Band I (100kHz)	30	1000	797.003	-68.63	0.137	4	Pass
		Band II (1MHz)	1000	12500	12491.09	-53.40	4.571	20	Pass
BLE 2M	Low	Band I (100kHz)	30	1000	937.653	-68.83	0.131	4	Pass
		Band II (1MHz)	1000	12500	6892.89	-53.49	4.477	20	Pass
	Middle	Band I (100kHz)	30	1000	885.71	-68.18	0.152	4	Pass
		Band II (1MHz)	1000	12500	6950.96	-53.57	4.395	20	Pass
	High	Band I (100kHz)	30	1000	973.786	-68.30	0.148	4	Pass
		Band II (1MHz)	1000	12500	6841.71	-53.10	4.898	20	Pass

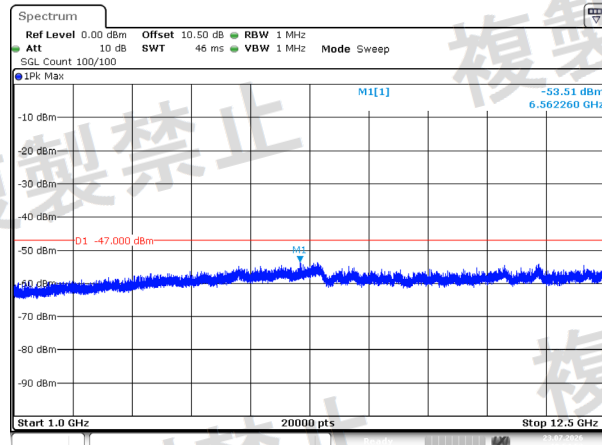
Test Condition: NV

BLE 1M_Low Channel(30MHz~1GHz)



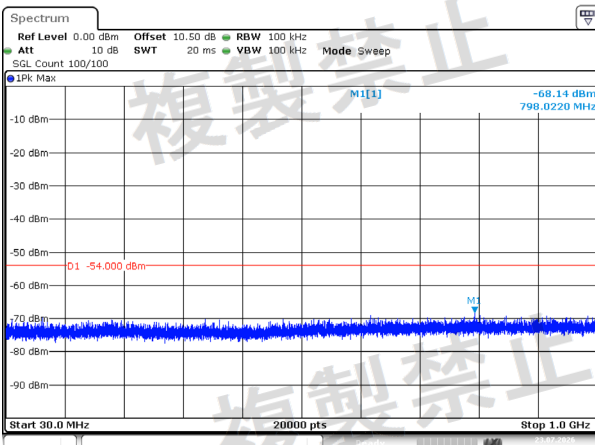
ProjectNo.:RKSA260716001 Tester:Neil Zhou
Date: 23.JUL.2026 18:54:28

BLE 1M_Low Channel(1GHz~12.5GHz)



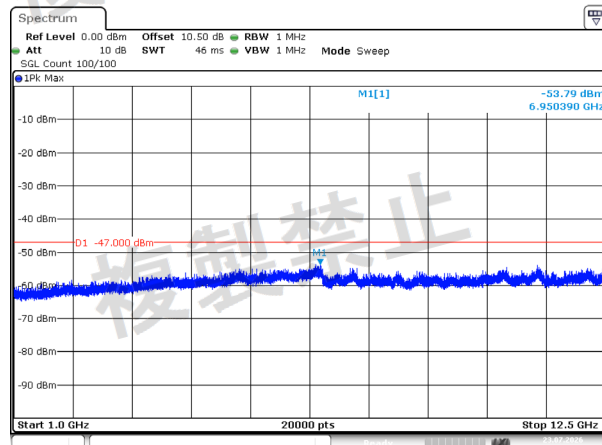
ProjectNo.:RKSA260716001 Tester:Neil Zhou
Date: 23.JUL.2026 18:54:53

BLE 1M_Middle Channel(30MHz~1GHz)



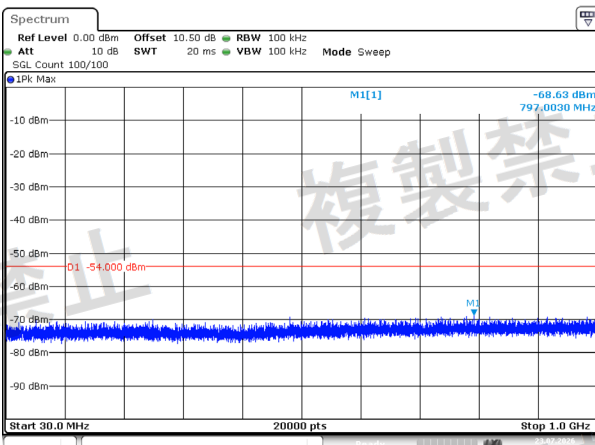
ProjectNo.:RKSA260716001 Tester:Neil Zhou
Date: 23.JUL.2026 18:55:14

BLE 1M_Middle Channel(1GHz~12.5GHz)



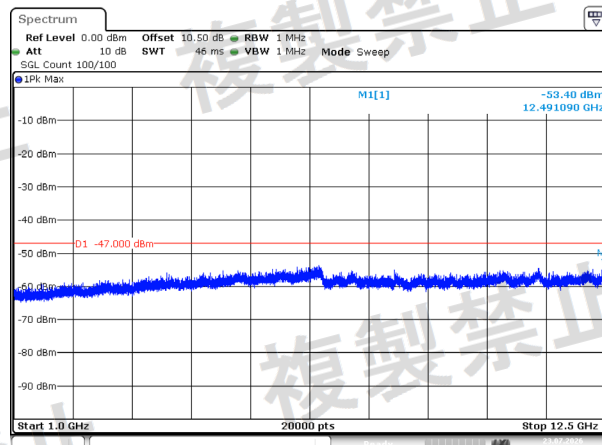
ProjectNo.:RKSA260716001 Tester:Neil Zhou
Date: 23.JUL.2026 18:55:39

BLE 1M_High Channel(30MHz~1GHz)



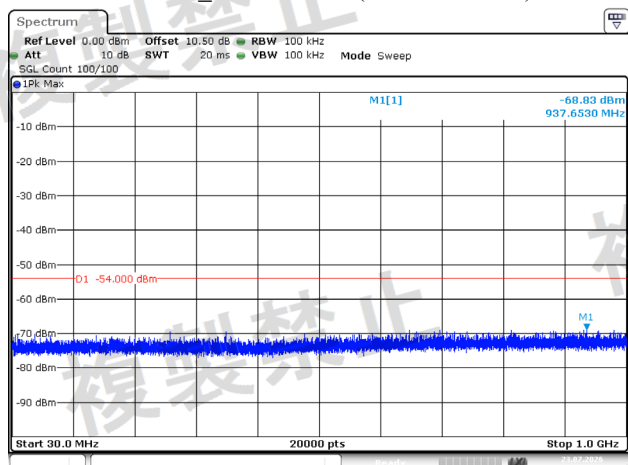
ProjectNo.:RKSA260716001 Tester:Neil Zhou
Date: 23.JUL.2026 18:56:12

BLE 1M_High Channel(1GHz~12.5GHz)



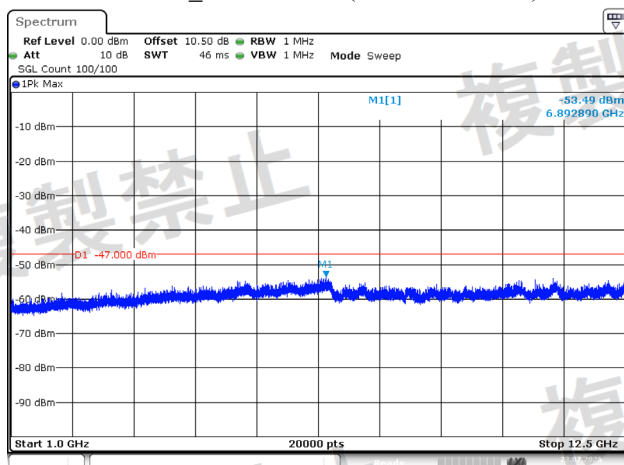
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Date: 23.JUL.2026 18:56:37

BLE 2M_Low Channel(30MHz~1GHz)



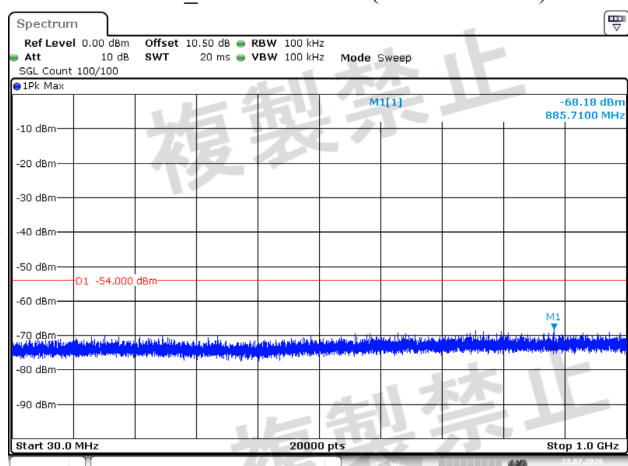
ProjectNo.:RKSA260716001 Tester:Neil Zhou
Date: 23.JUL.2026 18:57:11

BLE 2M_Low Channel(1GHz~12.5GHz)



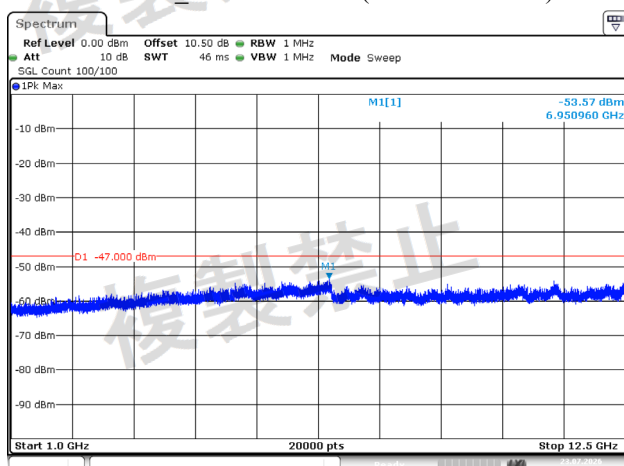
ProjectNo.:RKSA260716001 Tester:Neil Zhou
Date: 23.JUL.2026 18:57:36

BLE 2M_Middle Channel(30MHz~1GHz)



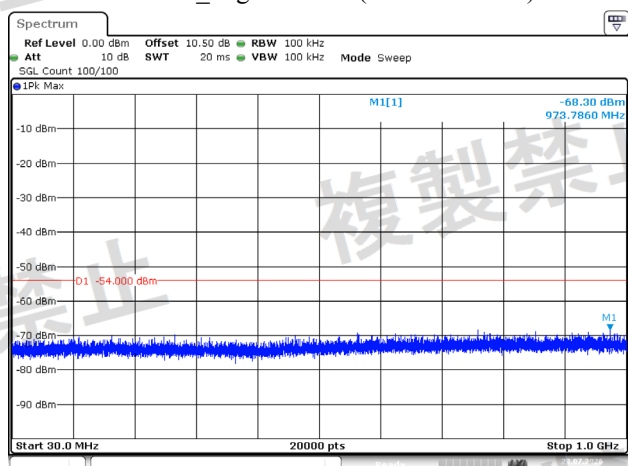
ProjectNo.:RKSA260716001 Tester:Neil Zhou
Date: 23.JUL.2026 18:57:56

BLE 2M_Middle Channel(1GHz~12.5GHz)



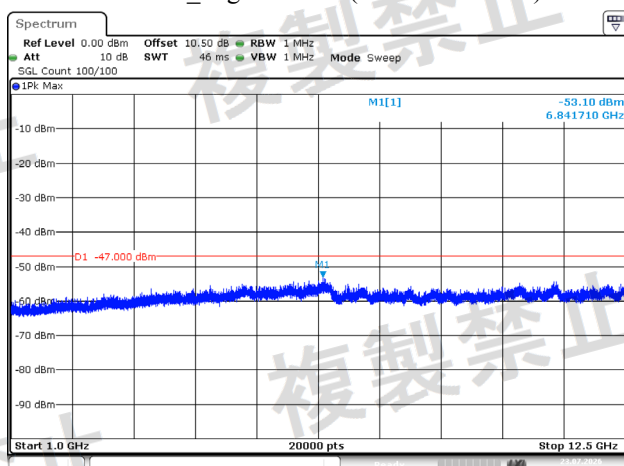
ProjectNo.:RKSA260716001 Tester:Neil Zhou
Date: 23.JUL.2026 18:58:21

BLE 2M_High Channel(30MHz~1GHz)



ProjectNo.:RKSA260716001 Tester:Neil Zhou
Date: 23.JUL.2026 18:58:47

BLE 2M_High Channel(1GHz~12.5GHz)



ProjectNo.:RKSA260716001 Tester:Neil Zhou
Date: 23.JUL.2026 18:59:12

EUT PHOTOGRAPHS

Please refer to the attachment EXHIBIT A - EUT EXTERNAL PHOTOGRAPHS and EXHIBIT B - EUT INTERNAL PHOTOGRAPHS.

TEST SETUP PHOTOGRAPHS

Please refer to the attachment EXHIBIT C - TEST SETUP PHOTOGRAPHS.

Declarations

1. The laboratory is not responsible for the authenticity of any information provided by the applicant. Information from the applicant that may affect test results is marked with “★”.
2. The test data was only valid for the test sample(s). This report must not be duplicated or used in part without prior written consent from the laboratory.
3. 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.
4. Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty.
5. The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor $k=2$ with the 95.45% confidence interval.

****END OF REPORT****