

RADIO TEST REPORT

Applicant..... : NAKABAYASHI CO., LTD

Address..... : 2-5-1. HIGASHI SAKASHITA ITABASHI-KU, TOKYO 174-8602 JAPAN

Manufacturer..... : I-chime electronics Co., Ltd

Address..... : Room 202, No. 1, Lane 2, Jinshan 1st Street, Luoma, Qingxi Town, Dongguan
City, Guangdong Province, China

Factory..... : I-chime electronics Co., Ltd

Address..... : Room 202, No. 1, Lane 2, Jinshan 1st Street, Luoma, Qingxi Town, Dongguan
City, Guangdong Province, China

Product Name : Low-power camera

Brand Name..... : **REVEX**

Model No. : SDWF02

Measurement Standard..... : Article 2 Paragraph 1 of Certification Ordinance Item 19

Receipt Date of Samples.... : November 24, 2025

Date of Tested..... : November 24, 2025 to December 25, 2025

Date of Report..... : December 25, 2025

This report shows that above equipment is technically compliant with the requirements of the standards above. All test results in this report apply only to the tested sample(s). Without prior written approval of Dongguan Nore Testing Center Co., Ltd, this report shall not be reproduced except in full.



Prepared by

Jenny Liu / Project Engineer



Iori Fan / Authorized Signatory

Table of Contents

1. Summary of Test Result	4
2. General Information	5
3. Test Channels and Modes Detail	8
4. Block Diagram of Configuration (Conduction connection)	8
5. Modification of EUT	8
6. Description Support Device	9
7. Test Facility and Location	10
8. Applicable Standards and References	10
9. Deviations and Abnormalities from Standard Conditions	11
10. Test Conditions	11
11. Measurement Uncertainty	12
12. Test Item and Test Result	13
12.1 Frequency tolerance	13
12.2 Occupied Bandwidth (99%)	17
12.3 Spread-Spectrum Bandwidth (90%)	21
12.4 Spurious Emission Intensity	24
12.5 Limit of Secondary Spurious Emissions	30
12.6 Antenna Power Measurement	33
12.7 Radio Interface Prevention Function	35
13. Test Equipment List	37
14. photograph of Test Setup	38

Revision History

[illegible]

1. Summary of Test Result

Section (Notice 88 Appendix 43 Reference)	Description of Test	Result	Remarks
--	Modulation system	N/A	---
6	Antenna power	PASS	---
6	Antenna Power Tolerance	PASS	---
3	Frequency tolerance	PASS	---
--	Transmission rate	N/A	---
5	Spurious emission intensity	PASS	---
5	Limit on secondary radiated emissions	PASS	---
4	Occupied Bandwidth	PASS	---
4	Spreading Bandwidth	PASS	---
9	Carrier Sense	N/A	See note 3
--	Transmission antenna gain	N/A	Only for EIRP > 12.14dBm
--	Transmission radiation angle width	N/A	Only for EIRP > 12.14dBm
15	Dwell time	N/A	---
14	Interference Prevention Function	PASS	---
--	Spreading Factor	N/A	---

Note:

- Test method is conducted according on MIC Notice No.88 Appendix No.43 (Item 19, Paragraph 1, Article 2).
- N/A means not applicable.
- 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.

2. General Information

Product Information	
Product Name:	Low-power camera
Main Model Name:	SDWF02
Additional Model Name:	N/A
Model Difference:	N/A
S/N:	2511-7115
Brand Name:	REVEX
Hardware version:	V1.0
Software version:	7258C_COM0_DTM_all-app.bin
Rating:	DC 5V 2A come from adapter DC 3.7V come from internal battery
Test Voltage:	AC 100V 50/60Hz (Normal Voltage)
I/O Port:	Refer to the user's manual
Accessories Information	
Adapter:	Manufacturer: SHENZHEN FUSHIGANG TECHNOLOGY CO., LTD. M/N: AS1201A-0502000JPU Input: AC 100-240V 50/60Hz 0.35A MAX Output: DC 5V 2000mA
Cable:	USB Cable: 1.96m, unshielded, detachable
Other:	N/A
Additional Information	
Note:	N/A
Remark:	All the information above are provided by the manufacturer. More detailed feature of the EUT please refers to the user manual.

Technical Specification

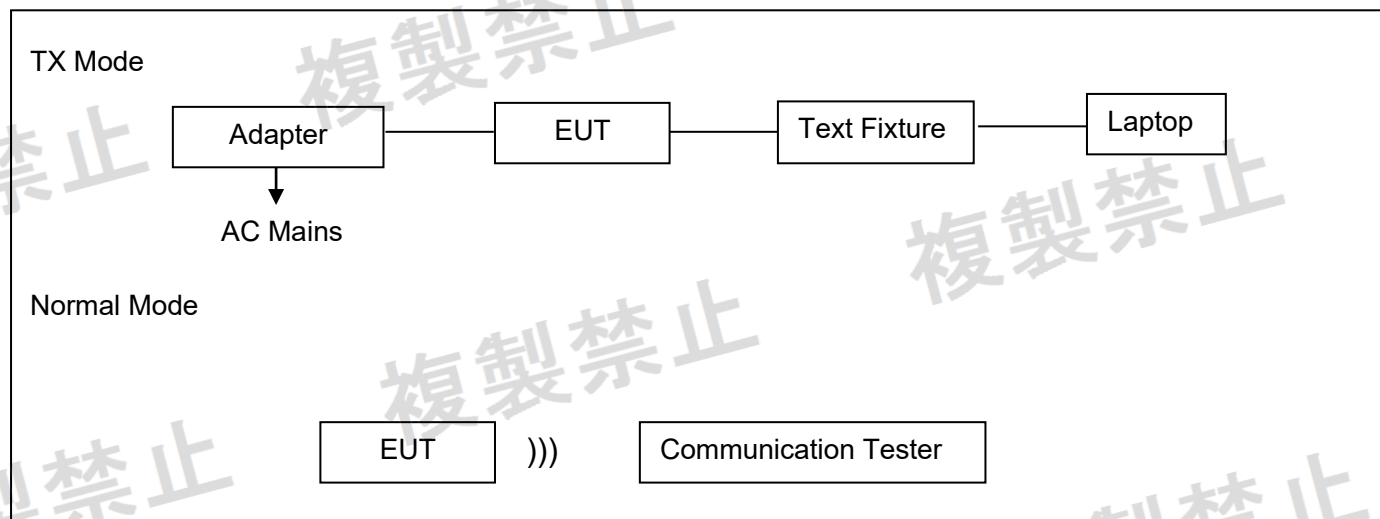
Bluetooth Version:	V5.4
Frequency Range:	2402-2480MHz
Modulation Type:	GFSK
Number of Channel:	40 (refer to following channel list for details)
Channel Space:	2MHz
Antenna Type:	PCB Antenna
Antenna Gain:	2.28 dBi (Declared by manufacturer)
RF PHY:	1 Mbps
Remark: This report only applies to BLE feature of the EUT.	

Channel List					
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
0	2402	14	2430	28	2458
1	2404	15	2432	29	2460
2	2406	16	2434	30	2462
3	2408	17	2436	31	2464
4	2410	18	2438	32	2466
5	2402	19	2440	33	2468
6	2414	20	2480	34	2470
7	2416	21	2444	35	2472
8	2418	22	2446	36	2474
9	2420	23	2448	37	2476
10	2440	24	2450	38	2478
11	2424	25	2452	39	2480
12	2426	26	2454	-	-
13	2428	27	2456	-	-

3. Test Channels and Modes Detail

Mode		Channel		Frequency (MHz)	Modulation
1.	TX	Low	0	2402	(Un-modulation)
		Middle	19	2440	(Un-modulation)
		High	39	2480	(Un-modulation)
2.	TX	Low	0	2402	GFSK
		Middle	19	2440	GFSK
		High	39	2480	GFSK
3.	RX	Low	0	2402	GFSK
		Middle	19	2440	GFSK
		High	39	2480	GFSK
4.	Normal Mode	---	---	---	---

4. Block Diagram of Configuration (Conduction connection)



5. Modification of EUT

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

6. Description Support Device

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

No.	Equipment	Brand	M/N	S/N	Cable Specification	Remarks
1.	Laptop	DELL	VOSTR03400	H3K2XA01	I/P: AC 100-240V 50-60Hz, 1.3A O/P: DC 19.5V 2.31A 45W AC Line: 1.13m unshielded DC Line: 1.15m unshielded with a core	Provide by the Lab
2.	Adapter of laptop	DELL	HA45NM140	---		Provide by the Lab
3.	Communication Tester	Rohde & Schwarz	CMW500	---	---	Provide by the Lab

No.	Test Software	Modulation	Power Setting
1.	Wifi Test Tool v1.6.0 release	GFSK	43

7. Test Facility and Location

Test Site	:	Dongguan Nore Testing Center Co., Ltd. (Dongguan NTC Co., Ltd.)
Accreditations and Authorizations	:	The Laboratory has been assessed and proved to be in compliance with CNAS/CL01 Listed by CNAS, August 13, 2018 The Certificate Registration Number is L5795. The Certificate is valid until August 13, 2030 The Laboratory has been assessed and proved to be in compliance with ISO17025 Listed by A2LA, November 01, 2017 The Certificate Registration Number is 4429.01 The Certificate is valid until December 31, 2027 Listed by FCC, November 06, 2017 Test Firm Registration Number: 907417 Listed by Industry Canada, June 08, 2017 The Certificate Registration Number. Is 46405-9743A
Test Site Location	:	Room 101, 1101, Building 2, No. 61, Hongmei Section, Wangsha Road, Hongmei Town, Dongguan, Guangdong, People's Republic of China

8. Applicable Standards and References

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

Test Standards:

Article 2 Paragraph 1 of Certification Ordinance Item 19

MIC Notice No.88 Appendix No.43

Test method is conducted according MIC Notice No.88 Appendix No.43 (Item 19, Paragraph 1, Article 2).

9. Deviations and Abnormalities from Standard Conditions

No additions, deviations and exclusions from the standard.

10. Test Conditions

No.	Test Item	Test Mode	Test Voltage	Tested by	Remarks
1.	Frequency tolerance	1	☒ NV ☐ LV ☐ HV	Sean	See note 1
2.	Permissible value for occupied bandwidth	2	☒ NV ☐ LV ☐ HV	Sean	See note 1
3.	Spread bandwidth	2	☒ NV ☐ LV ☐ HV	Sean	See note 1
4.	Spurious emission intensity	2	☒ NV ☐ LV ☐ HV	Sean	See note 1
5.	Limit on secondary radiated emissions	3	☒ NV ☐ LV ☐ HV	Sean	See note 1
6.	Antenna power	1	☒ NV ☐ LV ☐ HV	Sean	See note 1
7.	Tolerances for antenna power	1	☒ NV ☐ LV ☐ HV	Sean	See note 1
8.	Interference Prevention Function	4	☒ NV ☐ LV ☐ HV	Sean	See note 1

Note:

- The testing climatic conditions for temperature, humidity, and atmospheric pressure are within: 25°C, 55%, 101kPa
- NV= Normal Voltage; LV= Low Voltage = 90% x Normal Voltage; HV= High Voltage = 110% x Normal Voltage.
- During the input supply voltage to the EUT from the external power source is varied by +/- 10%, if output voltage had been confirmed that the fluctuation of power supply to the RF circuit of EUT (excluding power source) is equal to or less than +/-1%. Exempt extremely high and low supply voltage condition test, EUT only operated in normal voltage (DC 3.3V) to test all regulations.

Input voltage		RF circuit voltage	RF circuit voltage variation
NV	AC 100V	DC 3.0V	0%
LV	AC 90V	DC 3.0V	0%
HV	AC 110V	DC 3.0V	0%

11. Measurement Uncertainty

Test Item	Measurement Uncertainty
Uncertainty for Conduction Spurious emission Measurement:	$\pm 1.06\text{dB}$
Uncertainty for Output power Measurement:	$\pm 1.08\text{dB}$
Uncertainty for Power density Measurement:	$\pm 1.76\text{dB}$
Uncertainty for Frequency range Measurement:	$\pm 0.94\text{dB}$
Uncertainty for Bandwidth Measurement:	$\pm 0.71\%$
Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=2$.	

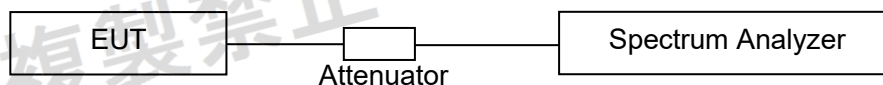
12. Test Item and Test Result

12.1 Frequency tolerance

LIMITS

Standard	Item	Limit
MIC Notice No.88 Appendix No.43	Tolerance of Frequency	$\leq \pm 50$ ppm

BLOCK DIAGRAM OF TEST SETUP



TEST PROCEDURES

1. The antenna port of the EUT was connected to the input of a spectrum analyzer. And analyzer was set as below:
 - a. Set center frequency to test frequency
 - b. Set the span to 1 MHz
 - c. Set the RBW to 10 KHz
 - d. Set the VBW $\geq$ RBW
 - e. Set the Detector = peak
 - f. Set the Sweep time = auto couple
 - g. Set the Trace mode = max hold
 - h. Allow trace to fully stabilize
2. Use the peak marker function to determine the frequency tolerance.

TEST RESULTS

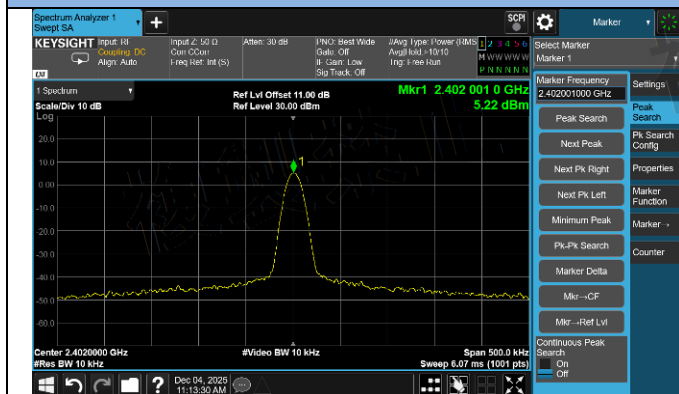
PASS

Please refer to the following tables.

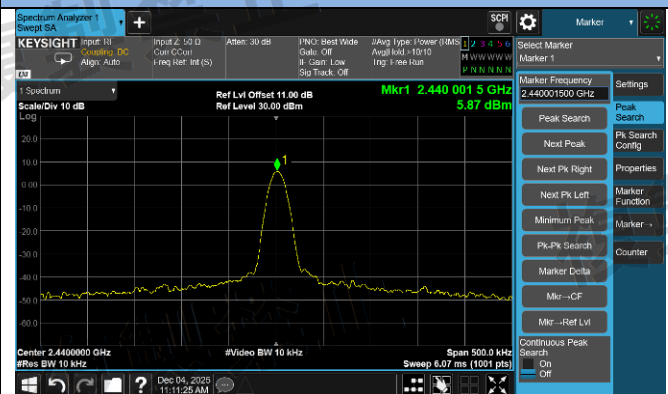
Test Date: December 04, 2025		Test Result: PASS		
Frequency (MHz)	Test Power	Test Result (MHz)	Frequency Error (ppm)	Limit
TX (Un-modulation)				
2402	NV	2402.0010	0.42	±50ppm
	LV	----	----	----
	HV	----	----	----
2440	NV	2440.0015	0.61	±50ppm
	LV	----	----	----
	HV	----	----	----
2480	NV	2480.0010	0.40	±50ppm
	LV	----	----	----
	HV	----	----	----

Test Plots - (Normal Voltage)

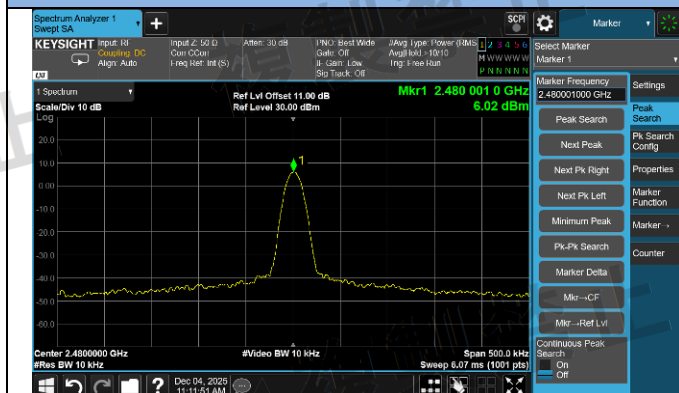
2402 MHz



2440 MHz



2480 MHz



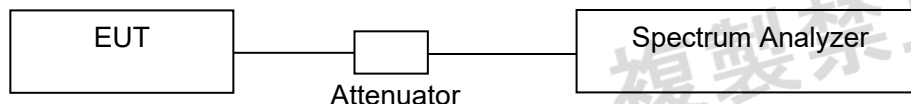
Blank

12.2 Occupied Bandwidth (99%)

LIMITS

Standard	Type	Limit
MIC Notice No.88 Appendix No.43	DSSS	<26MHz
	FHSS	<83.5MHz
	OFDM	<26MHz or <26~40MHz
	Others	<26MHz

BLOCK DIAGRAM OF TEST SETUP



TEST PROCEDURES

- The antenna port of the EUT was connected to the input of a spectrum analyzer. And analyzer was set as below:
 - Set frequency to 2402 ~ 2480 MHz
 - Set the RBW to 300 KHz
 - Set the VBW $\geq$ RBW
 - Set the span to 3 MHz
 - Set the Detector = peak
 - Set the Sweep time = auto couple
 - Set the Trace mode = max hold
 - Allow trace to fully stabilize
- Use the 99% occupied bandwidth function to determine the occupied bandwidth.

TEST RESULTS

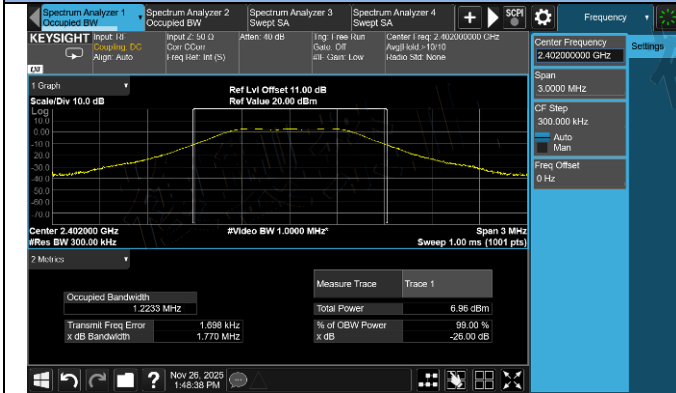
PASS

Please refer to the following tables.

Test Date: November 26, 2025		Test Result: PASS	
Frequency (MHz)	Test Power	Test Result (MHz)	Limit
1 Mbps			
2402	NV	1.2233	<26 MHz
2440		1.2201	<26 MHz
2480		1.2220	<26 MHz
2402	LV	----	----
2440		----	----
2480		----	----
2402	HV	----	----
2440		----	----
2480		----	----

Test Plots - (Normal Voltage)

1 Mbps / 2402 MHz



1 Mbps / 2440 MHz



1 Mbps / 2480 MHz



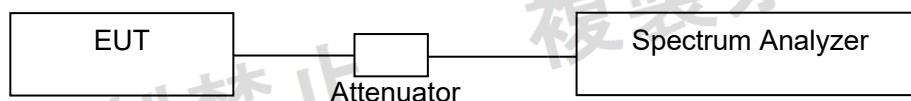
Blank

12.3 Spread-Spectrum Bandwidth (90%)

LIMITS

Standard	Type	Limit
MIC Notice No.88 Appendix No.43	Spread-Spectrum	---

BLOCK DIAGRAM OF TEST SETUP



TEST PROCEDURES

1. The antenna port of the EUT was connected to the input of a spectrum analyzer. And analyzer was set as below:
 - a. Set frequency to 2402 ~ 2480 MHz
 - b. Set the RBW to 300 KHz
 - c. Set the VBW $\geq$ RBW
 - d. Set the span to 3 MHz
 - e. Set the Detector = peak
 - f. Set the Sweep time = auto couple
 - g. Set the Trace mode = max hold
 - h. Allow trace to fully stabilize
3. Use the 90% occupied bandwidth function to determine the Spread-Spectrum bandwidth.

TEST RESULTS

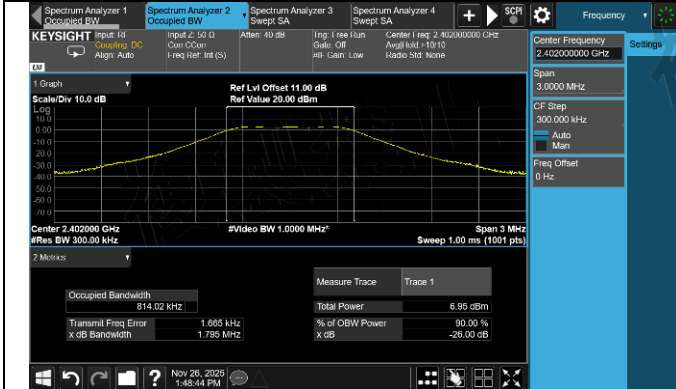
PASS

Please refer to the following tables.

Test Date: November 26, 2025		Test Result: PASS	
Frequency (MHz)	Test Power	Test Result (KHz)	Limit
1 Mbps			
2402	NV	814.02	Report only
2440		813.81	Report only
2480		813.79	Report only
2402	LV	----	----
2440		----	----
2480		----	----
2402	HV	----	----
2440		----	----
2480		----	----

Test Plots - (Normal Voltage)

1 Mbps / 2402 MHz



1 Mbps / 2440 MHz



1 Mbps / 2480 MHz



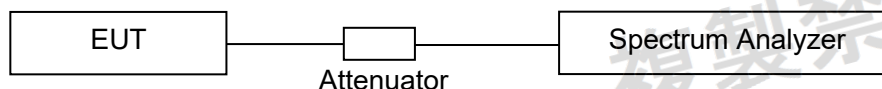
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12.4 Spurious Emission Intensity

LIMITS

Standard	Item	Frequency	Limit
MIC Notice No.88 Appendix No.43	TX Spurious Emission	30 - 2387MHz	< 2.5uW/-26dBm/MHz
		2387 - 2400MHz	< 25uW/-16dBm/MHz
		2483.5 - 2496.5MHz	< 25uW/-16dBm/MHz
		2496.5MHz - 12.5GHz	< 2.5uW/-26dBm/MHz

BLOCK DIAGRAM OF TEST SETUP



TEST PROCEDURES

- The antenna port of the EUT was connected to the input of a spectrum analyzer. And analyzer was set as below:
 - Set frequency to: 30 ~ 2387 MHz, 2387 ~ 2400 MHz, 2483.5 ~ 2496.5 MHz, 2496.5 ~ 12500 MHz
 - Set the RBW to 1 MHz
 - Set the VBW $\geq$ RBW
 - Set the Detector = peak
 - Set the Sweep time = auto couple
 - Set the Trace mode = max hold
 - Allow trace to fully stabilize
- Use the peak marker function to determine the emissions.

TEST RESULTS

PASS

Please refer to the following tables.

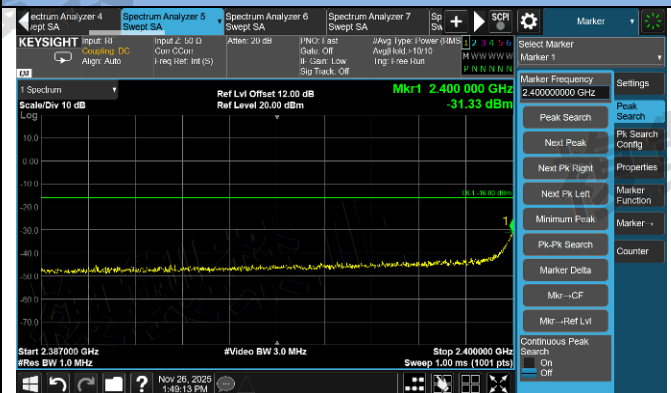
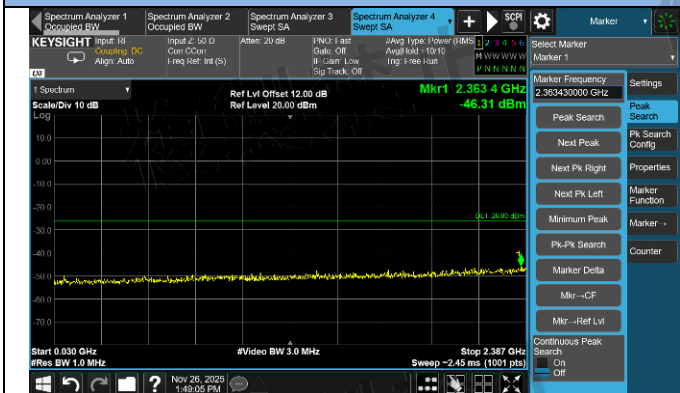
Test Date: November 26, 2025		Test Result: PASS	
Frequency (MHz)	Frequency Range	Test Result	Limit
1 Mbps			
2402	30 - 2387MHz	-46.31dBm/MHz	< -26dBm/MHz
	2387 - 2400MHz	-31.33dBm/MHz	< -16dBm/MHz
	2483.5 - 2496.5MHz	-46.69dBm/MHz	< -16dBm/MHz
	2496.5MHz - 12.5GHz	-43.59dBm/MHz	< -26dBm/MHz
2440	30 - 2387MHz	-39.76dBm/MHz	< -26dBm/MHz
	2387 - 2400MHz	-45.82dBm/MHz	< -16dBm/MHz
	2483.5 - 2496.5MHz	-47.99dBm/MHz	< -16dBm/MHz
	2496.5MHz - 12.5GHz	-43.67dBm/MHz	< -26dBm/MHz
2480	30 - 2387MHz	-45.82dBm/MHz	< -26dBm/MHz
	2387 - 2400MHz	-46.89dBm/MHz	< -16dBm/MHz
	2483.5 - 2496.5MHz	-42.27dBm/MHz	< -16dBm/MHz
	2496.5MHz - 12.5GHz	-43.14dBm/MHz	< -26dBm/MHz

Test Plots - Normal Voltage

1 Mbps / 2402MHz

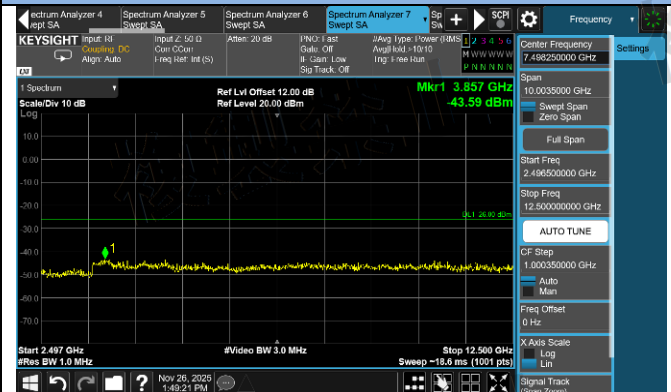
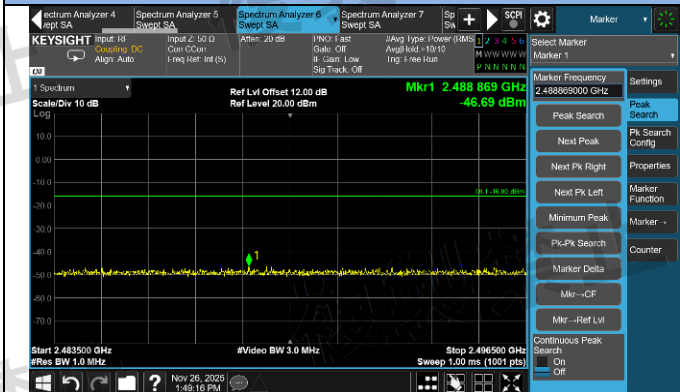
30-2387MHz

2387-2400MHz



2483.5-2496.5MHz

2496.5MHz-12.5GHz

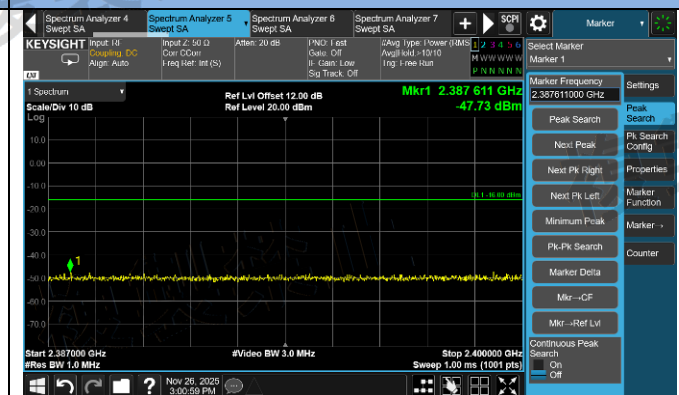
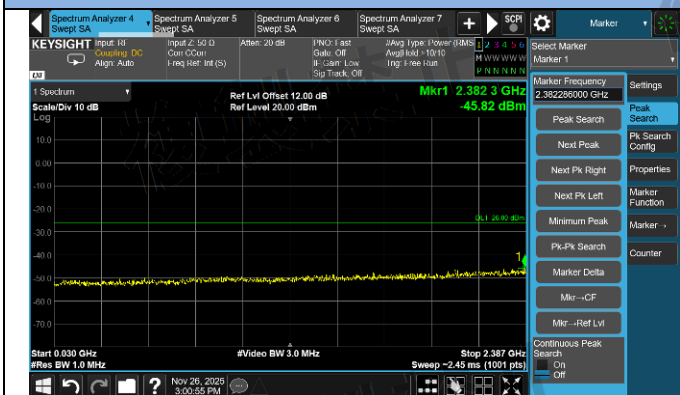


Test Plots - Normal Voltage

1 Mbps / 2440MHz

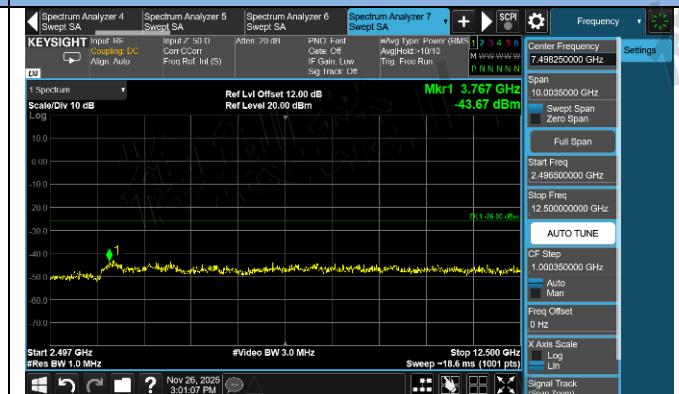
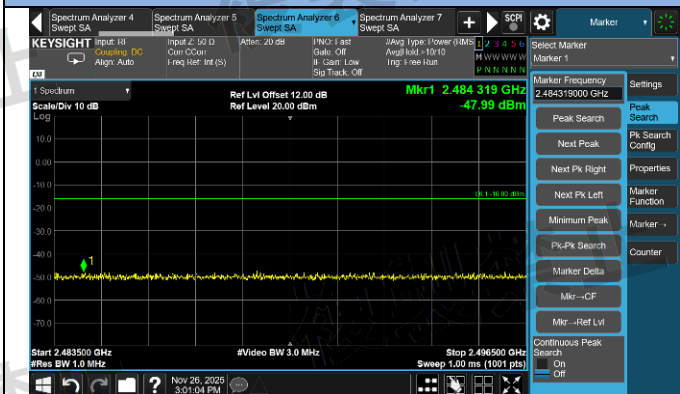
30-2387MHz

2387-2400MHz



2483.5-2496.5MHz

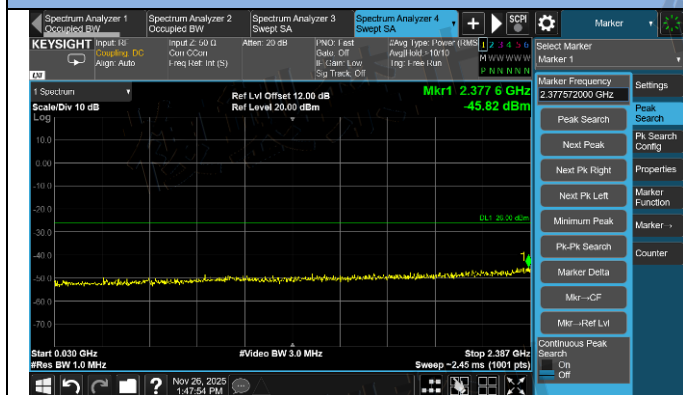
2496.5MHz-12.5GHz



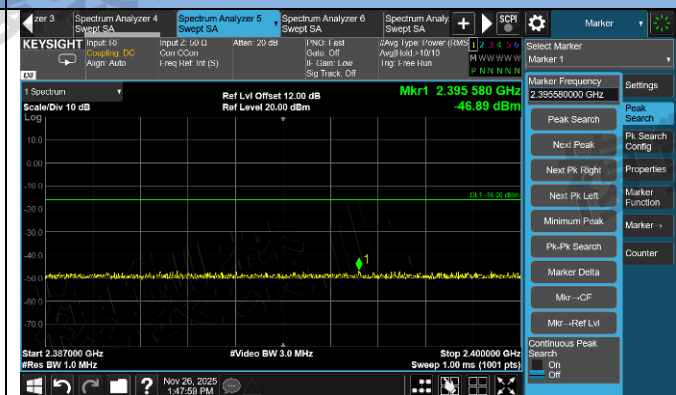
Test Plots - Normal Voltage

1 Mbps / 2480MHz

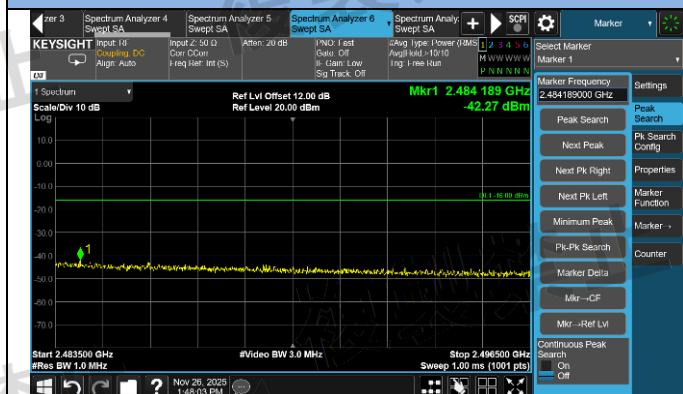
30-2387MHz



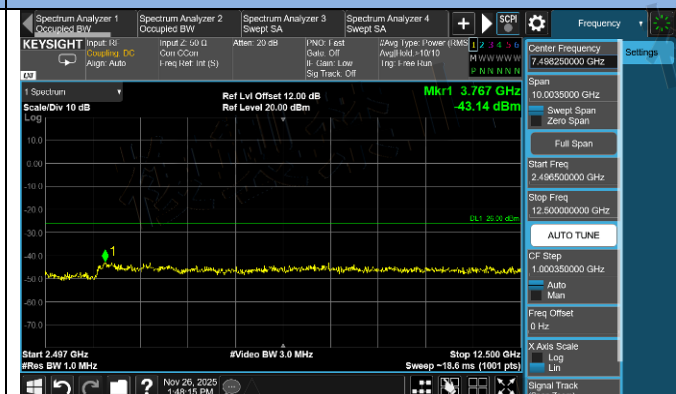
2387-2400MHz



2483.5-2496.5MHz



2496.5MHz-12.5GHz

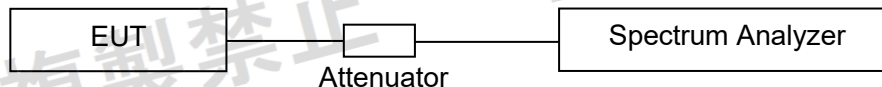


12.5 Limit of Secondary Spurious Emissions

LIMITS

Standard	Item	Frequency	Limit
MIC Notice No.88 Appendix No.43	RX Spurious Emission	Below 1GHz	< 4nW/-54dBm
		Above 1GHz	< 20nW/-47dBm

BLOCK DIAGRAM OF TEST SETUP



TEST PROCEDURES

1. The antenna port of the EUT was connected to the input of a spectrum analyzer. And analyzer was set as below:
 - a. Set frequency to: 30 ~ 1000 MHz, 1000 ~ 12500 MHz
 - b. Set the RBW to 100 KHz for below 1GHz, and 1 MHz for above 1 GHz
 - c. Set the VBW $\geq$ RBW
 - d. Set the Detector = peak
 - e. Set the Sweep time = auto couple
 - f. Set the Trace mode = max hold
 - g. Allow trace to fully stabilize
2. Use the peak marker function to determine the emissions.

TEST RESULTS

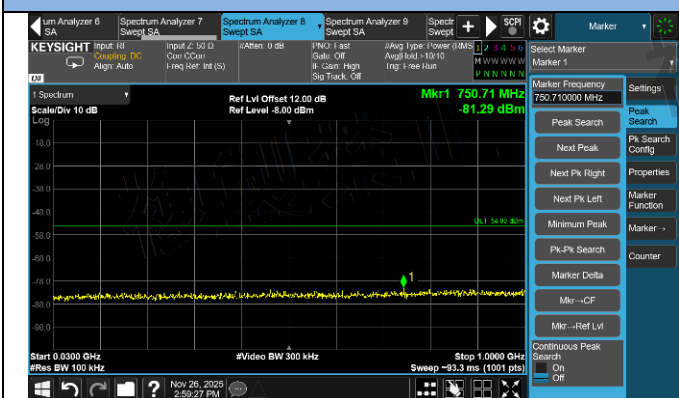
PASS

Please refer to the following tables.

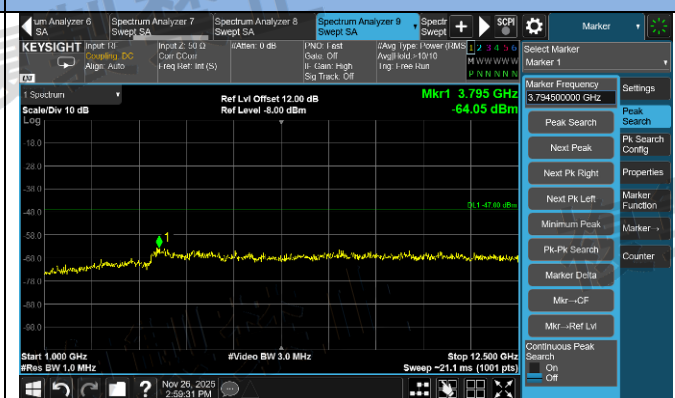
Test Date: November 26, 2025		Test Result: PASS	
Frequency (MHz)	Frequency Range	Test Result	Limit
RX – Normal Voltage			
2402	30 - 1000MHz	-81.29dBm	< -54dBm
	1 - 12.5GHz	-64.05dBm	< -47dBm
2440	30 - 1000MHz	-81.48dBm	< -54dBm
	1 - 12.5GHz	-64.11dBm	< -47dBm
2480	30 - 1000MHz	-81.34dBm	< -54dBm
	1 - 12.5GHz	-63.08dBm	< -47dBm

Test Plots – GFSK (Normal Voltage)

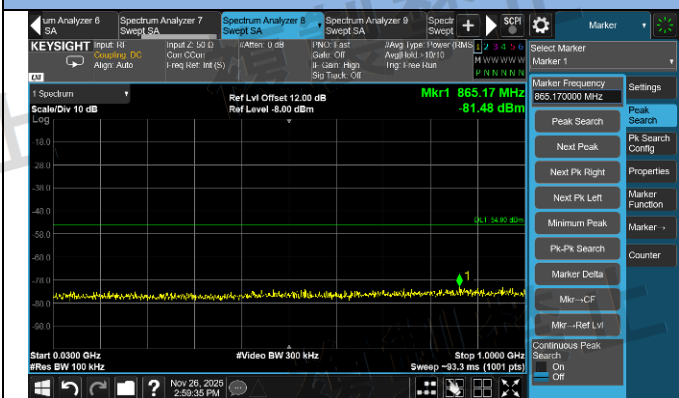
2402MHz (30 - 1000MHz)



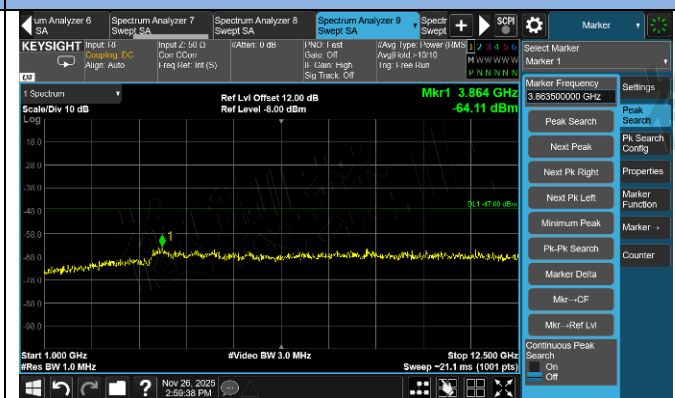
2402MHz (1 - 12.5GHz)



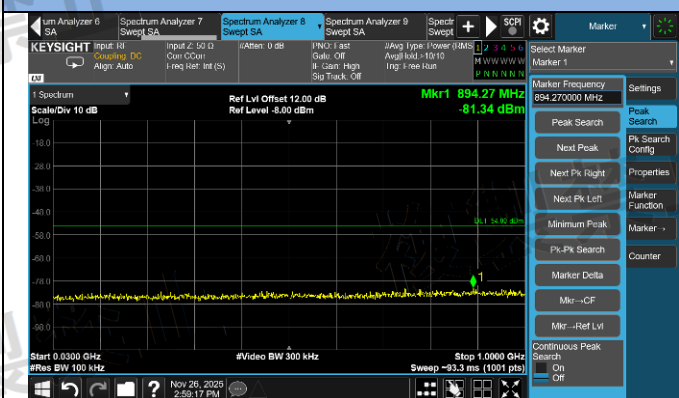
2440MHz (30 - 1000MHz)



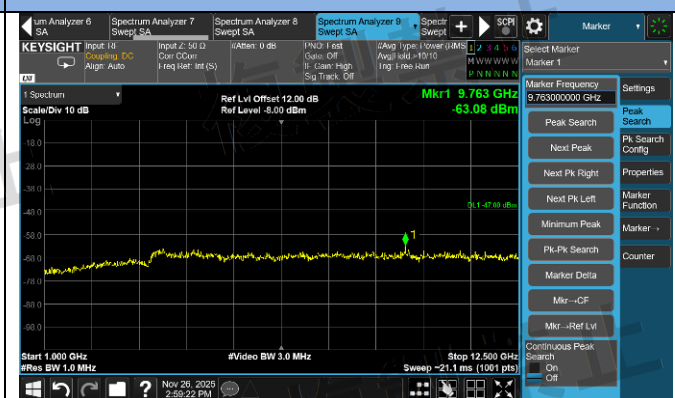
2440MHz (1 - 12.5GHz)



2480MHz (30 - 1000MHz)



2480MHz (1 - 12.5GHz)

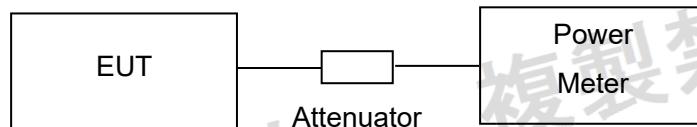


12.6 Antenna Power Measurement

LIMITS

Standard	Item	Limit
MIC Notice No.88 Appendix No.43	Antenna Power Density	10mW/MHz
	Antenna Power Error	+20% or less
	EIRP	12.14dBm

BLOCK DIAGRAM OF TEST SETUP



TEST PROCEDURES

1. Measure the power with the power meter.
2. Record the reading on the power meter as antenna output power.

TEST RESULTS

PASS

Please refer to the following tables.

Test Date: November 26, 2025				Test Result: PASS			
Frequency (MHz)	Test Voltage	Power Output (dBm)	Power Output (mW)	Limit (mW)	Rating antenna power (mW)	Antenna Power Error (mW)	Antenna Power Error (+20% or less)
1 Mbps							
2402	NV	3.36	2.168	10	3.5	-1.332	-38.06%
	LV	----	----	----	----	----	----
	HV	----	----	----	----	----	----
2440	NV	4.18	2.618	10	3.5	-0.882	-25.20%
	LV	----	----	----	----	----	----
	HV	----	----	----	----	----	----
2480	NV	4.40	2.754	10	3.5	-0.746	-21.31%
	LV	----	----	----	----	----	----
	HV	----	----	----	----	----	----
EIRP (The Worst Case)							
Antenna Power Output (dBm)		Antenna Gain (dBi)				EIRP (dBm)	
4.40		2.28				6.68	
Note:							
1. Rating antenna power (mW) declared by the manufacturer.							
2. Antenna Power Error (mW) = Test Result (mW) - Rating antenna power (mW)							
3. Antenna Power Error = Antenna Power Error (mW) / Rating antenna power (mW) * 100%.							
4. EIRP(dBm) = Antenna power(dBm) + antenna gain(dBi)							

12.7 Radio Interface Prevention Function

LIMITS

Standard	Item	Limit
MIC Notice No.88 Appendix No.43	Identification code	≥48 bits

BLOCK DIAGRAM OF TEST SETUP



TEST PROCEDURES

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

TEST RESULTS

PASS

Please refer to the following table.

Test Date: December 04, 2025

MAC Address	Result
C8:47:8C:90:1C:82	Pass



13. Test Equipment List

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum Analyzer	Keysight	N9010B	MY62170254	Aug. 21, 2025	1 Year
2.	Signal Generator	Agilent	E4421B	MY41000708	Aug. 22, 2025	1 Year
3.	Signal Generator	Agilent	N5182A	MY47071034	Aug. 22, 2025	1 Year
4.	Spectrum Analyzer	Keysight	N9020A	MY54200831	Aug. 22, 2025	1 Year
5.	Power Sensor	DARE	RPR3006W	15I00041SNO 64	Aug. 28, 2025	1 Year
6.	Power Meter	Agilent	N1912A	MY41497159	Aug. 21, 2025	1 Year
7.	Power Sensor	Agilent	N1921A	MY48251036	Aug. 21, 2025	1 Year
8.	Communication Tester	Rohde & Schwarz	CMW500	109851	Aug. 28, 2025	1 Year
9.	DC Source	ZHAOXIN	KXN305D	N/A	Aug. 23, 2025	1 Year

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 Article102-18paragraph (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.

Note: Our lab selects method (c) for the calibration.

14. Photograph of Test Setup



--End--