

Page 1 of 9

FCCID: 2AJIV-SA0220

Report No.: LCSA05085157EB

RF Exposure Evaluation

For

Creative Labs Pte. Ltd.

Chat Wireless

Test Model: SA0220

Prepared for : Creative Labs Pte. Ltd.

Address : 31 International Business Park #03-01, Singapore 609921

Prepared by : Shenzhen LCS Compliance Testing Laboratory Ltd.

Address : 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei,

Shajing Street, Baoan District, Shenzhen, 518000, China

Tel : (+86)755-82591330
Fax : (+86)755-82591332
Web : www.LCS-cert.com

Mail : webmaster@LCS-cert.com

Date of receipt of test sample : May 09, 2025

Number of tested samples : 2

Sample No. : A250508010-1, A250508010-2

Serial number : Prototype

Date of Test : May 09, 2025 ~ May 22, 2025

Date of Report : May 23, 2025



Shenzhen LCS Compliance Testing Laboratory Ltd.

Page 2 of 9

FCCID: 2AJIV-SA0220

RF Exposure Evaluation

Report Reference No.: LCSA05085157EB

Date of Issue.....: May 23, 2025

Testing Laboratory Name.....: Shenzhen LCS Compliance Testing Laboratory Ltd.

Address......: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei,

Shajing Street, Baoan District, Shenzhen, 518000, China

Testing Location/ Procedure.....:: Full application of Harmonised standards ■

Partial application of Harmonised standards

Applicant's Name.....: Creative Labs Pte. Ltd.

Address......: 31 International Business Park #03-01, Singapore 609921

Test Specification

Standard.....: FCC KDB publication 447498 D01 General RF Exposure Guidance

v06

FCC CFR 47 part1 1.1310 FCC CFR 47 part2 2.1093

Test Report Form No.....: TRF-4-E-215 A/0

TRF Originator.....: Shenzhen LCS Compliance Testing Laboratory Ltd.

Master TRF..... : Dated 2011-03

Shenzhen LCS Compliance Testing Laboratory Ltd. All rights reserved.

This publication may be reproduced in whole or in part for non-commercial purposes as long as the Shenzhen LCS Compliance Testing Laboratory Ltd. is acknowledged as copyright owner and source of the material. Shenzhen LCS Compliance Testing Laboratory Ltd. takes no responsibility for and will not assume liability for damages resulting from the reader's interpretation of the reproduced material due to its placement and context.

EUT Description.....: Chat Wireless

Trade Mark.....: CREATIVE

Test Model.....: SA0220

Ratings.....: Input: 5.0V=0.5A

Result: PASS

Compiled by:

Diamond by

Supervised by:

Approved by:

Report No.: LCSA05085157EB

Diamond Lu/ Administrator

Jack Liu/ Technique principal

Gavin Liang/ Manager





Page 3 of 9 FCCID: 2AJIV-SA0220 Report No.: LCSA05085157EB

RF Exposure Evaluation

Test Report No. :	LCSA05085157EB	_	May 23, 2025 Date of issue

Test Model..... : SA0220 EUT..... : Chat Wireless Applicant..... : Creative Labs Pte. Ltd. : 31 International Business Park #03-01, Singapore 609921 Address..... Telephone..... Fax..... Manufacturer..... : Creative Labs Pte. Ltd. Address..... : 31 International Business Park #03-01, Singapore 609921 Telephone..... Fax..... Factory..... : Lange (B) Address..... Telephone..... Fax.....

Test Result	PASS
i oot i toodii	

The test report merely corresponds to the test sample.

It is not permitted to copy extracts of these test result without the written permission of the test laboratory.



Shenzhen LCS Compliance Testing Laboratory Ltd.

Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China



Page 4 of 9

FCCID: 2AJIV-SA0220

Revision History

	Revision		
Report Version	Issue Date	Revision Content	Revised By
000	May 23, 2025	Initial Issue	

Report No.: LCSA05085157EB











FCCID: 2AJIV-SA0220

TABLE OF CONTENTS

Description			Page
1. PRODUCT INFORM	MATION		6
2. EVALUATION MET	THOD AND LIMIT		6
3. REFER EVALUATI	ON METHOD		7
4. CONDUCTED POV	VER RESULTS		7
5. MANUFACTURING	TOLERANCE		8
6. EVALUATION RES	BULTS		8
7. CONCLUSION			8
8. DESCRIPTION OF	TEST FACILITY	14 Fill 182 103	8
9. MEASUREMENT U	INCERTAINTY	Testing	<u> </u>













Report No.: LCSA05085157EB











Page 6 of 9 FCCID: 2AJIV-SA0220 Report No.: LCSA05085157EB

1. Product Information

Product name : Chat Wireless

Test Model : SA0220

Ratings : Input: 5.0V=0.5A

Hardware Version : V1.2 Software Version : V1.0.2

Bluetooth : 2402MHz ~ 2480MHz

Channel Number : 79 channels for Bluetooth V5.4 (DSS)

Channel Spacing : 1MHz for Bluetooth V5.4(DSS)

Modulation Type : GFSK , π/4-DQPSK, 8-DPSK for Bluetooth V5.4 (DSS)

Bluetooth Version : V5.4

Antenna Type : Internal Antenna

Antenna Gain : 0.95dBi

Exposure category : General population/uncontrolled environment

EUT Type : Production Unit
Device Type : Portable Device

Note: For a more detailed antenna description, please refer to the antenna specifications or the antenna report provided by the customer.

2. Evaluation method and Limit

According to KDB447498 D01 General RF Exposure Guidance v06 Section 4.3.1 Standalone SAR test exclusion considerations: "Unless specifically required by the published RF exposure KDB procedures, standalone 1-g head or body and 10-g extremity SAR evaluation for general population exposure conditions, by measurement or numerical simulation, is not required when the corresponding SAR Test Exclusion Threshold condition, listed below, is satisfied. These test exclusion conditions are based on source-based time-averaged maximum conducted output power of the RF channel requiring evaluation, adjusted for tune-up tolerance, and the minimum test separation distance required for the exposure conditions.22 The minimum test separation distance is determined by the smallest distance from the antenna and radiating structures or outer surface of the device, according to the host form factor, exposure conditions and platform requirements, to any part of the body or extremity of a user or bystander (see 5) of section 4.1). To qualify for SAR test exclusion, the test separation distances applied must be fully explained and justified by the operating configurations and exposure conditions of the transmitter and applicable host platform requirements, typically in the SAR measurement or SAR analysis report, according to the required published RF exposure KDB procedures. When no other RF exposure testing or reporting is required, a statement of justification and compliance must be included in the equipment approval, in lieu of the SAR report, to qualify for the SAR test exclusion. When required, the device specific conditions described in the other published RF exposure KDB procedures must be satisfied before applying these SAR test exclusion provisions; for example, handheld PTT two-way radios, handsets, laptops & tablets etc."

[(max. power of channel, including tune-up tolerance, mW)/ (min. test separation distance, mm)] $\cdot [\sqrt{f} (GHz)] \le 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where:

- f (GHz) is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation
- The result is rounded to one decimal place for comparison





Page 7 of 9 FCCID: 2AJIV-SA0220 Report No.: LCSA05085157EB

• 3.0 and 7.5 are referred to as the numeric thresholds in the step 2 below

The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm according to f) in section 4.1 is applied to determine SAR test exclusion.

When one of the following test exclusion conditions is satisfied for all combinations of simultaneous transmission configurations, further equipment approval is not required to incorporate transmitter modules in host devices that operate in the mixed mobile and portable host platform exposure conditions. The grantee is responsible for documenting this according to Class I permissive change requirements. Antennas that qualify for standalone SAR test exclusion must apply the estimated standalone SAR to determine simultaneous transmission test exclusion.

a) The [Σ of (the highest measured or estimated SAR for each standalone antenna configuration, adjusted for maximum tune-up tolerance) / 1.6 W/kg] + [Σ of MPE ratios] is \leq 1.0.

b)The SAR to peak location separation ratios of all simultaneously transmitting antenna pairs operating in portable device exposure conditions are all ≤ 0.04, and the [∑ of MPE ratios] is ≤ 1.0.

3. Refer Evaluation Method

ANSI C95.1–1999: IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz.

FCC KDB publication 447498 D01 General RF Exposure Guidance v06: Mobile and Portable Devices RF Exposure Procedures and Equipment Authorization Policies.

FCC CFR 47 part1 1.1310: Radiofrequency radiation exposure limits.

FCC CFR 47 part2 2.1093: Radiofrequency radiation exposure evaluation: portable devices

4. Conducted Power Results

<BT>

Mode	Channel	Frequency (MHz)	Peak Conducted Output Power (dBm)
	0	2402	2.05
GFSK	39	2441	2.17
	78	2480	2.46
π/4DQPSK	0	2402	2.59
	39	2441	2.54
	78	2480	2.60
	0	2402	2.51
8DPSK	39	2441	2.60
	78	2480	2.68



E Tintaing Lab



Page 8 of 9 FCCID: 2AJIV-SA0220 Report No.: LCSA05085157EB

5. Manufacturing Tolerance

<BT>

and the second s					
GFSK (Peak)					
Channel	Channel 0	Channel 39	Channel 78		
Target (dBm)	1.8	1.8	1.8		
Tolerance ±(dB)	1.0	1.0	1.0		
π/4DQPSK (Peak)					
Channel	Channel 0	Channel 39	Channel 78		
Target (dBm)	1.8	1.8	1.8		
Tolerance ±(dB)	1.0	1.0	1.0		
8DPSK (Peak)					
Channel	Channel 0	Channel 39	Channel 78		
Target (dBm)	1.8	1.8	1.8		
Tolerance ±(dB)	1.0	1.0	1.0		

6. Evaluation Results

6.1 Standalone Evaluation

Band/Mode		f	Antenna Distance	RF output power		SAR Test Exclusion	SAR Test
Dan	d/Mode	(GHz)	(mm)	dBm mW		Threshold Exclusi	Exclusion
BT	GFSK	2.480	5 5	2.8	1.9055	0.6001< 3.0	Yes

Remark:

- 1. Output power including tune up tolerance;
- 2. When the minimum test separation distance is < 5 mm, a distance of 5 mm according to f) in section
- 4.1 is applied to determine SAR test exclusion.

6.2 Simultaneous Transmission for SAR Exclusion

The sample support one BT modular. No need consider simultaneous transmission.

7. Conclusion

The measurement results comply with the FCC Limit per 47 CFR 2.1093 for the uncontrolled RF Exposure and SAR Exclusion Threshold per KDB 447498 ν 06.

8. Description of Test Facility

NVLAP Accreditation Code is 600167-0.

FCC Designation Number is CN5024.

CAB identifier is CN0071.

CNAS Registration Number is L4595.

Test Firm Registration Number: 254912.



Shenzhen LCS Compliance Testing Laboratory Ltd.

Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com



Page 9 of 9 FCCID: 2AJIV-SA0220 Report No.: LCSA05085157EB

9. Measurement Uncertainty

9. Weasurement Oncer	tairity		
Test Item	Frequency Range	Uncertainty	Note
Output power :	1GHz-40GHz	±0.57dB	(1)

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

拉语控测限的 LCS Testing Lab	THE END OF	F REPORT	TEA TENTE THE LAB



Shenzhen LCS Compliance Testing Laboratory Ltd.

Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China