CERT #5473.03

No.:
FCCSZ2025-0062-H

TEST REPORT

FCC ID	:	2ANM3HS9AA
NAME OF SAMPLE	:	BT voice remote controller
APPLICANT	:	Shenzhen Chuangwei-RGB Electronics Co., Ltd.
CLASSIFICATION OF TEST	:	N/A

CVC Testing Technology (Shenzhen) Co., Ltd.

Applicant	**Name: Shenzhen Chuangwei-RGB Electronics Co., Ltd.** **Address: 13F-16F, Unit A, Skyworth Building, Shennan Road South,Nanshan District,Shenzhen,Guangdong,China**		
Equipment Under Test	**Product Name: BT voice remote controller** **Model Name: HS-9AA** **Additional Model Name: N/A** **Brand Name: N/A** **Serial NO.: N/A** **Sample NO.: 4-1**		
Date of Receipt.	**Jul. 04, 2025**	Date of Testing	**Jul. 04, 2025 ～ Jul. 25, 2025**
Test Specification		**Test Result**	
FCC Part 2 (Section 2.1093) **KDB 447498 D04 v01** **IEEE C95.1**		PASS	
Evaluation of Test Result	The equipment under test was found to comply with the requirements of the standards applied. Seal of CVC **Issue Date: Jul. 25, 2025**		
Compiled by: Zhu Yulin **Zhu Yulin** Name Signature	Reviewed by: Mo Xianbiao **Mo Xianbiao** Name Signature	Approved by: **Dong Sanbi** Name Signature	
Other Aspects: NONE.			
Abbreviations:OK, Pass= passed Fail = failed N/A= not applicable EUT= equipment, sample(s) under tested			

This test report relates only to the EUT, and shall not be reproduced except in full, without written approval of CVC.

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FCCSZ2025-0062-H	Original release	Jul. 25, 2025

1. GENERAL PRODUCT INFORMATION

PRODUCT NAME	BT voice remote controller
BRAND NAME	N/A
MODEL NAME	HS-9AA
ADDITIONAL MODEL NAME	N/A
POWER SUPPLY	DC 3V (2*1.5V AAA battery)
MODULATION TYPE	GFSK for DTS
OPERATING FREQUENCY	2402MHz ~ 2480MHz for BT-LE(1M/2M/S=2/S=8)
NUMBER OF CHANNEL	40
MAXIMUM OUTPUT POWER	4.13dBm (Peak) 2.92dBm (AV)
ANTENNA TYPE（Remark 5）	PCB Antenna, with 1.21dBi gain
HARDWARE VERSION:	HOF-24C-CW24XF-V1.2
SOFTWARE VERSION:	V0.0.4
I/O PORTS	Refer to User's Manual
CABLE SUPPLIED	N/A

Remark:

1. For more detailed features description, please refer to the manufacturer’s specifications or the User's Manual.
2. For the test results, the EUT had been tested with all conditions. But only the worst case was shown in test report.
3. Please refer to the EUT photo document for detailed product photo. (Report NO.: FCCSZ2025-0036-EUT)
4. Please refer to the antenna report.
5. Since the above data and/or information is provided by the client relevant results or conclusions of this report are only made for these data and/or information, CVC is not responsible for the authenticity, integrity and results of the data and information and/or the validity of the conclusion.

2. RF EXPOSURE LIMIT

According to FCC Part2.1093, the available maximum time-averaged power or effective radiated power (ERP), whichever is greater, is less than or equal to the threshold Pth (mW) described in the following formula. This method shall only be used at separation distances (cm) from 0.5 centimeters to 40 centimeters and at frequencies from 0.3 GHz to 6 GHz (inclusive). P is given by:

$$P_{\text{th}}\,(\text{mW}) = \begin{cases} ERP_{20\text{ cm}}(d/20\text{ cm})^{x} & d \le 20\text{ cm} \\ ERP_{20\text{ cm}} & 20\text{ cm} < d \le 40\text{ cm} \end{cases}$$

Where：

$$x = -\log_{10}\left(\frac{60}{ERP_{20\text{ cm}}\sqrt{f}}\right)$$ and f is in GHz;

$$P_{\text{th}}\,(\text{mW}) = ERP_{20\text{ cm}}\,(\text{mW}) = \begin{cases} 2040f & 0.3\text{ GHz} \le f < 1.5\text{ GHz} \\ 3060 & 1.5\text{ GHz} \le f \le 6\text{ GHz} \end{cases}$$

d = the minimum separation distance (cm) in any direction from any part of the device antenna(s) or radiating structure(s) to the body of the device user.

3. CLASSIFICATION

The antenna of this product, under normal use condition, is at least 0.5cm away from the body of the user. So, this device is classified as **Portable Device**.

4. CALCULATION RESULT OF MAXIMUM CONDUCTED POWER

Option	Mode	Frequency (MHz)	AV Power [dBm]	Target Power (dBm)	Tolerance (dBm)	Lower Tolerance (dBm)	Upper Tolerance (dBm)
B	BLE	2402 ~ 2480	2.92	2	+-1	1	3

5. MAXIMUM PERMISSIBLE EXPOSURE

Mode	Maximum tune up power(dBm)	Maximum Antenna Gain(dBi)	EIRP (dBm)	ERP (dBm)	ERP (mW)	R (cm)	Threshold ERP(mW)	Result
BLE	3	1.21	4.21	2.06	1.61	0.5	2.72	PASS

------ End of the Report ------

Important

(1) The test report is invalid without the official stamp of CVC;

(2) Any part photocopies of the test report are forbidden without the written permission from CVC;

(3) The test report is invalid without the signatures of tester, reviewer and approver;

(4) The test report is invalid if altered;

(5) Objections to the test report must be submitted to CVC within 15 days;

(6) Generally, commission test results apply to the samples as received. The sample information is provided by the customer and laboratory is not responsible for its authenticity;

(7) As for the test result “-” or “N” means “not applicable”, “/” means “not test”, “P” means “pass” and “F” means “fail”

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