

Test Report No.: 26011401-1-SE-US-01

RF Exposure Report

FCC ID: 2AHU2XSB22

Applicant: ASA Electronics Shenzhen Limited

Address: Room 503, 5/F., Unit A, Skyworth Building, Gaoxin Avenue.1. S., Nanshan District, Shen Zhen, China 518057

Manufacturer: ASA Electronics Shenzhen Limited

Address: Room 503, 5/F., Unit A, Skyworth Building, Gaoxin Avenue.1. S., Nanshan District, Shen Zhen, China 518057

Product(s): 2.0 Channel soundbar

Brand(s): 

Test Model(s): XSB22

Series Model(s): N/A

Test Date: Feb. 06, 2026 ~ Mar. 05, 2026

Issued Date: Mar. 06, 2026

Issued By: Hwa-Hsing (Dongguan) Testing Co., Ltd.

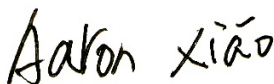
Address: No.101, Building N1, Yuyuan 2 Road, Yuyuan Industrial Park, HuangJiang Town, Dongguan City, People's Republic of China

Test Firm Registration No.: 915896

Standards: FCC Part 2
KDB 447498 D01 General RF Exposure Guidance v06

The above equipment has been tested by **Hwa-Hsing (Dongguan) Testing Co., Ltd.**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's EMC characteristics under the conditions specified in this report.

Prepared by :

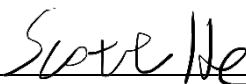


Aaron Xiao

Reviewed by :



Approved by :



Scott He

"This report is for your exclusive use. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. Our report includes all the tests requested by you and the results thereof based upon the information that you provided to us. The report would be invalid without specific stamp of test institute and the signatures of tester and approver."

Table of contents

TABLE OF CONTENTS 2

RELEASE CONTROL RECORD 3

1 GENERAL INFORMATION 4

1.1 GENERAL DESCRIPTION OF EUT4

2 RF EXPOSURE LIMIT 5

2.1 MPE CALCULATION FORMULA.....5

3 CALCULATION SAR TEST EXCLUSION THRESHOLDS..... 6

APPENDIX – INFORMATION ON THE TESTING LABORATORIES7

Test Report No.: 26011401-1-SE-US-01

Release control record

Issue No.	Reason for change	Date Issued
26011401-1-SE-US-01	Original Release	Mar. 06, 2026

Lab: [Hwa-Hsing \(Dongguan\) Testing Co., Ltd.](#)
Address: [No.101, Building N1, Yuyuan 2 Road, Yuyuan Industrial Park, HuangJiang Town, Dongguan City, People's Republic of China](#)

Tel: [0769-85598986](#)
Web.: [www.lyns-tci.com](#)
E-Mail: [service-hs@lyns-tci.com](#)

Release
[Ver. 1.4](#)

1 General Information**1.1 General Description of EUT**

Product(s)	2.0 Channel soundbar
Test Model(s)	HX26011401-1001, HX26011401-1002
Sample No.	XSB22
Series Model(s)	N/A
Status of EUT	Engineering Prototype
Power Supply Rating	Input: 12V  5A, 60W
HW version	V1.0
SW version	V76
Modulation Type	GFSK, $\pi/4$ DQPSK, 8DPSK for FHSS
Transfer Rate	1Mbps, 2Mbps, 3Mbps
Operating Frequency	2402 ~ 2480MHz
Number of Channel	79 for FHSS
Maximum Output Power (Peak)	3.38 dBm for FHSS
Antenna Type and Antenna Gain	PCB Antenna; 3.63dBi Gain
Antenna Connector	N/A
Accessory Device	Remote control*1
Cable Supplied	DC wire: 51cm

Note:

1. Please refer to the EUT photo document (Reference No.: 26011401-1-01&02) for detailed product photo.
2. The above EUT information is declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications or User's Manual.
3. Hwa-Hsing (Dongguan) Testing Co., Ltd. is not responsible for the accuracy of the information provided by the manufacturer.
4. For the test results, the EUT had been tested with all conditions, and only the worst case was shown in the test report.

2 RF exposure limit

Limits for maximum permissible exposure (MPE)

Limits for general population / uncontrolled exposure				
Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Average time (minutes)
300-1500	...	...	F/1500	30
1500-100,000	...	...	1.0	30
Note: F = Frequency in MHz				

2.1 MPE calculation formula

$$P_d = (P_{out} * G) / (4 * \pi * r^2)$$

Where:

Pd = power density in mW/cm²

Pout = output power to antenna in mW

G = gain of antenna in linear scale

Pi = 3.1416

R = distance between observation point and center of the radiator in cm

Classification:

The antenna of this product, under normal use condition, is at least 20cm away from the body of the user.

3 Calculation SAR test exclusion thresholds

The antennas provided to the EUT, please refer to the following table

Function	Transmit and Receive Chain	Antenna Gain (dBi)	Maximum Power		Distance (cm)	Power density (mW/cm ²)	Limit (mW/cm ²)
			(dBm)	(mW)			
BT	1TX,1RX	3.63	3.38	2.18	20	0.000999	1.0

Conclusion:

Therefore, the worst-case situation is 0.000999 mW/cm², which is less than “1”. This confirmed that the device compliance with FCC 1.1310 MPE limit.

Appendix – Information on the Testing Laboratories

We, [Hwa-Hsing \(Dongguan\) Testing Co., Ltd.](#), A global provider of TESTING and CERTIFICATION services for consumer products, electronic products and wireless information technology products. Adhering to the core values “HONEST and TRUSTWORTHY, OBJECTIVE and IMPARTIALITY, RIGOROUS and AFFICIENT”, commitment to provide professional, perfect and efficient comprehensive ONE-STOP solution of TESTING and CERTIFICATION services for Manufacturers, Buyers, Traders, Brands, Retailers. Assist client to better manage risk, protect their brands, reduce costs and cut time to over 150 markets in global. Our laboratories are FCC recognized accredited test firms and accredited and approved according to ISO/IEC 17025.

If you have any comments, please feel free to contact us at the following:

Lab Address: [No.101, Building N1, Yuyuan 2 Road, Yuyuan Industrial Park, HuangJiang Town, Dongguan City, People's Republic of China](#)

Contact Tel: [0769-85598986](tel:0769-85598986)

Email: service-hs@lyns-tci.com

Web Site: www.lyns-tci.com

--- END ---