RADIO TEST REPORT

Report No: STS2203023H01

Issued for

Shenzhen Canjing Electronics Co., Ltd.

Block 2, Zhipeng Ind. Park, Heping Village, Fuyong Town, Baoan District, Shenzhen, China.

Product Name:	Soundbar
Brand Name:	N/A
Model Name:	SS1022B
Series Model:	SSXXXXB
FCC ID:	2ADGI-SS1022B
Test Standard:	FCC 47CFR §2.1091

Shenzhen STS Test Services Co., Ltd.
A 1/F, Building B, Zhuoke Science Park, No.190 Chongqing Road, HepingShequ, Fuyong Sub-District, Bao'an District, Shenzhen, Guang Dong, China
TEL: +86-755 3688 6288 FAX: +86-755 3688 6277 E-mail:sts@stsapp.com

Test Report Certification

Applicant's Name	Shenzhen Canjing Electronics Co., Ltd.
Address	Block 2, Zhipeng Ind. Park, Heping Village, Fuyong Town, Baoan District, Shenzhen, China.
Manufacturer's Name	Shenzhen Canjing Electronics Co., Ltd.
Address	Block 2, Zhipeng Ind. Park, Heping Village, Fuyong Town, Baoan District, Shenzhen, China.

Product Description

Product Name	Soundbar
Brand Name	N/A
Model Name	SS1022B
Series Model	SSXXXXB
Standards	FCC 47CFR §2.1091 447498 D04 Interim General RF Exposure Guidance v01

Date of Test	
Date of receipt of test item	03 Mar. 2022
Date (s) of performance of tests	03 Mar. 2022 ~11 Mar. 2022
Date of Issue	11 Mar. 2022
Test Result	**Pass**

Testing Engineer : Chris Chen

(Chris Chen)

Technical Manager : Sean She

(Sean she)

Authorized Signatory : Bovey Yang

(Bovey Yang)

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Revision History

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00	11 Mar. 2022	STS2203023H01	ALL	Initial Issue

1. GENERAL INFORMATION

1.1 GENERAL DESCRIPTION OF THE EUT

Product Name	Soundbar
Brand Name	N/A
Model Name	SS1022B
Series Model	SSXXXXB
Model Difference	Different appearance colors, X is a number from 0 to 9
Product Description	The EUT is Soundbar Operation Frequency: 2402~2480 MHz Modulation Type: GFSK(1Mbps), π/4-DQPSK(2Mbps), 8DPSK(3Mbps) Antenna gain: 0dBi Antenna Designation: PCB Antenna
Adapter	Input: 100-240V 50/60Hz MAX 1.0A Output: 18.0V⎓2A
Hardware version number	BOEU-CJ-CS001 V1.1
Software version number	V1.1

1.2 TEST FACTORY

SHENZHEN STS TEST SERVICES CO., LTD
Add. : A 1/F, Building B, Zhuoke Science Park, No.190 Chongqing Road, HepingShequ, Fuyong Sub-District, Bao'an District, Shenzhen, Guang Dong, China

FCC test Firm Registration Number: 625569

IC test Firm Registration Number: 12108A

A2LA Certificate No.: 4338.01

2. FCC 47CFR §2.1091 REQUIREMENT

2.1 TEST STANDARDS

Follow the maximum permissible exposure (MPE) limits specified in 447498 D04 Interim General Radio Frequency Exposure Guidelines v01. The gain of the antenna used in the product was extracted from the supplied antenna data sheet and the maximum total power input to the antenna was also measured. Calculate the distance from the product to the MPE limit by the formula.

2.2 LIMIT

1. Regardless of separation distance, if the maximum time-averaged power available does not exceed 1 mW. This stand-alone SAR exemption test.
2. Compliance with exposure limits needs to be assessed for portable devices with more than 1 mW of maximum time-averaged power available, distances of 0.5 cm to 40 cm, frequencies of 0.3 GHz to 6 GHz, maximum time-averaged (matched conducted) power or its effective radiated power (ERP), whichever is greater, is below the threshold(Pth), the RF source is considered RF exempt equipment.

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

Where

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

and

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

d = the separation distance (cm);

2.3 TEST RESULT

Turn up

Mode	Detector	Turn up power(dBm)
BT	AV	6±1dBm

Protocol	Fre. (MHz)	Separation distance (cm)	Max Turn up power (dBm)	ANT Gain (dBi)	Max EIRP (dBm)	Max EIRP (mW)	Limit (mW)	Result
BT	2402	20	7	0	7	5.01	3060	Pass

※※※※※END OF THE REPORT※※※※※