FCC Test Report

Report No: FCS202410148H01

Issued for

Applicant:	Shenzhen Sanyou Technology Co., LTD
Address:	303, 3rd Fl., Bldg. 2, Dayang Industrial Park, No.4 Industrial Avenue, Fuhai St., Bao'an Dist., Shenzhen, China
Product Name:	Bamboo and wood speakers
Brand Name:	N/A
Model Name:	SP02
Series Model:	SP03
FCC ID:	2BKZ2-SP02
Test Standard:	FCC 47CFR §2.1093

Issued By: Flux Compliance Service Laboratory
Add: Room 105 Floor Bao hao Technology Building 1 NO.15 Gong ye West Road Hi-Tech Industrial, Song shan lake Dongguan
Tel: 769-27280901 Fax:769-27280901 http://www.FCS-lab.com

TEST RESULT CERTIFICATION

Applicant's Name..... :	Shenzhen Sanyou Technology Co., LTD
Address ..... :	303, 3rd Fl., Bldg. 2, Dayang Industrial Park, No.4 Industrial Avenue, Fuhai St., Bao'an Dist., Shenzhen, China
Manufacture's Name..... :	Shenzhen Sanyou Technology Co., LTD
Address ..... :	303, 3rd Fl., Bldg. 2, Dayang Industrial Park, No.4 Industrial Avenue, Fuhai St., Bao'an Dist., Shenzhen, China

Product Description

Product Name ..... :	Bamboo and wood speakers
Brand Name ..... :	N/A
Model Name ..... :	SP02
Series Model ..... :	SP03
Test Standards ..... :	FCC 47CFR §2.1093 KDB447498 D01 General RF Exposure Guidance v06

This device described above has been tested by Flux Compliance Service Laboratory, the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.
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Date of Test.....:

Date (s) of performance of tests.:	Oct. 11. 2024 ~ Oct. 17. 2024
Date of Issue.....:	Oct. 17. 2024
Test Result .....:	Pass

Tested by : Scott shen

(Scott Shen)

Reviewed by : Duke Qian

(Duke Qian)

Approved by : Jack Wang

(Jack Wang)

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Revision History

Rev.	Issue Date	Contents
00	Oct. 17. 2024	Initial Issue

1. GENERAL INFORMATION

1.1 GENERAL DESCRIPTION OF THE EUT

Product Name	Bamboo and wood speakers
Brand	N/A
Model Number	SP02
Series Model(s)	SP03
Model Difference	Only different of model name and appearance.
Product Description	The EUT is Bamboo and wood speakers Operation Frequency: BT: 2402~2480MHz Modulation Type: GFSK, π/4-DQPSK, 8DPSK Antenna gain: BT: 1.7 dBi Antenna Designation: PCB Antenna
Power Supply	Input: DC 5V
Battery	Rated Voltage: DC 3.7V Capacity: 500mAh
Hardware Version	V01
Software Version	V01

1.2 TEST FACTORY

Company Name:	Flux Compliance Service Laboratory
Address:	Room 105 Floor Bao hao Technology Building 1 NO.15 Gong ye West Road Hi-Tech Industrial, Song shan lake Dongguan
Telephone:	+86-769-27280901
Fax:	+86-769-27280901

FCC Test Firm Registration Number: 514908
Designation number: CN0127
A2LA accreditation number：5545.01
ISED Number：25801
CAB ID ： CN0097

Organization	CAB identifier	Scope / Recognition Date (yyyy-mm-dd)	Expiration (yyyy-mm-dd)
FLUX COMPLIANCE SERVICE LABORATORY Baohao Technology Building 1 No. 15 Gongye West Road Hi-Tech Industrial Park Songsham Lake Dongguan, Guangdong. 523808 PRC. **ISED#: 25801** Contact: Andy Yue andv-vue@fcs-lab.com	CN0097	RSS-102(RFExp) (2020-01-09) RSS-GEN (2020-01-09) RSS-210 (2020-01-09) RSS-247 (2020-01-09)	**RECOGNIZED UNTIL: 2023-12-31** A2LA ISO/IEC 17025: 2017 Expires: 2023-12-31

2. FCC 47CFR §2.1093 REQUIREMENT

2.1 TEST STANDARDS

According to §1.1307(b)(1), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.
According to §1.1310 and §2.1093 RF exposure requirement
KDB447498 D01v06: Mobile and Portable Devices RF Exposure Procedures and Equipment Authorization Policies

2.2 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.23 "

[(max. power of channel, including tune-up tolerance, mW)/ (min. test separation distance, mm)] · [√f (GHz)] ≤ 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
- 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 5) in section 4.1 is applied to determine SAR test exclusion.

2.3 TEST RESULT

Turn up

Mode	Detector	Turn up	MAX. Turn up
BT_ GFSK_LCH	PEAK	1±1dBm	2 dBm
BT_ GFSK_MCH	PEAK	1±1dBm	2 dBm
BT_ GFSK_HCH	PEAK	1±1dBm	2 dBm
BT_π/4DQPSK_LCH	PEAK	1±1dBm	2 dBm
BT_π/4DQPSK_MCH	PEAK	2±1dBm	3 dBm
BT_π/4DQPSK_HCH	PEAK	2±1dBm	3 dBm
BT_ 8DPSK_LCH	PEAK	1±1dBm	2 dBm
BT_ 8DPSK_MCH	PEAK	2±1dBm	3 dBm
BT_ 8DPSK_HCH	PEAK	2±1dBm	3 dBm

Band/Mode	F (GHz)	Antenna Distance	RF output power including tune up		SAR Test Exclusion Threshold	SAR Test
		(mm)	dBm	mW		
BT	2.48	5	3	2	0.628 < 3	No

Multiple transmission:

Note: 1. The Maxinum power is less than the limit, complies with the exemption requirements.

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