

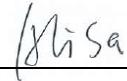
## RF Exposure Evaluation Report

**Report Reference No.**.....: MTEB23020110-H

**FCC ID**.....: 2AW9I-LPT05P

Compiled by

( position+printed name+signature)....: File administrators Alisa Luo



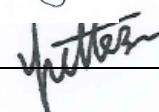
Supervised by

( position+printed name+signature)....: Test Engineer Sunny Deng



Approved by

( position+printed name+signature)....: Manager Yvette Zhou



Date of issue.....: **February 22, 2023**

**Representative Laboratory Name** : **Shenzhen Most Technology Service Co., Ltd.**

Address .....: No.5, 2nd Langshan Road, North District, Hi-tech Industrial Park, Nanshan, Shenzhen, Guangdong, China.

**Applicant's name** .....: **SOUND INNOVATION CO., LIMITED**

Address .....: RM 1902 EASEY COMM BLDG, 253-261, HENNESSY ROAD, WANCHAI, HONGKONG

**Test specification/ Standard** .....: **47 CFR Part 1.1307**

**47 CFR Part 2.1093**

TRF Originator .....: Shenzhen Most Technology Service Co., Ltd.

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**Test item description** .....: ULTRA COMPACT ANC/ENC TRUE WIRELESS EARBUDS

Trade Mark .....: N/A

Model/Type reference.....: LPT05

Listed Models .....: SOUNDFREE S10,LPT05,LPT05BG,LPT05GR, LPT05PP,LPT05PI

Modulation Type .....: GFSK,  $\pi/4$ DQPSK, 8DPSK

Operation Frequency.....: From 2402MHz to 2480MHz

Hardware Version.....: A1

Software Version .....: S5677

Rating .....: DC 3.7V(by battery)

DC 5V(by USB)

Result.....: **PASS**

## TEST REPORT

Equipment under Test : ULTRA COMPACT ANC/ENC TRUE WIRELESS EARBUDS

Model /Type : LPT05

Listed Models : SOUNDFREE S10,LPT05,LPT05BG,LPT05GR,  
LPT05PP,LPT05PI

Remark Only the model names are different

Applicant : **SOUND INNOVATION CO., LIMITED**

Address : RM 1902 EASEY COMM BLDG, 253-261, HENNESSY ROAD,  
WANCHAI, HONGKONG

Manufacturer : **SOUND INNOVATION CO., LIMITED**

Address : RM 1902 EASEY COMM BLDG, 253-261, HENNESSY ROAD,  
WANCHAI, HONGKONG

<b>Test Result:</b>	<b>PASS</b>
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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.

## 1. Revision History

Revision	Issue Date	Revisions	Revised By
00	2023.02.22	Initial Issue	Alisa Luo

## **2. SAR Evaluation**

### **2.1 RF Exposure Compliance Requirement**

#### **2.1.1 Standard Requirement**

According to KDB447498D01 General RF Exposure Guidance v06

##### **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 Exclusion Threshold condition, listed below, is satisfied.

#### **2.1.2 Limits**

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances  $\leq 50$  mm are determined by:

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

$f(\text{GHz})$  is the RF channel transmit frequency in GHz

Power and distance are rounded to the nearest mW and mm before calculation<sup>17</sup>

The result is rounded to one decimal place for comparison

The test exclusions are applicable only when the minimum test separation distance is  $\leq 50$  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 is applied to determine SAR test exclusion

### 2.1.3 EUT RF Exposure

#### Measurement Data

##### BT classic

GFSK			
Test channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power
			(dBm)
Lowest(2402MHz)	0.38	0.38±1	1.38
Middle(2440MHz)	0.41	0.41±1	1.41
Highest(2480MHz)	0.27	0.27±1	1.27

##### $\pi/4$ DQPSK

Test channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power
			(dBm)
Lowest(2402MHz)	0.12	0.12±1	1.12
Middle(2440MHz)	0.48	0.48±1	1.48
Highest(2480MHz)	0.25	0.25±1	1.25

##### 8DPSK

Test channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power
			(dBm)
Lowest(2402MHz)	0.10	0.10±1	1.10
Middle(2440MHz)	0.08	0.08±1	1.08
Highest(2480MHz)	0.32	0.32±1	1.32

##### Worst case: $\pi/4$ DQPSK

Channel	Maximum Peak Conducted Output Power (dBm)	Maximum tune-up Power		Calculated value	Exclusion threshold	SAR Test Exclusion
		(dBm)	(mW)			
Middle(2440MHz)	0.48	1.48	1.41	0.45	3.0	Yes

.....THE END OF REPORT.....