

# RF EXPOSURE REPORT

|           |  |
|-----------|--|
| Applicant | SNOOZ, INC                                       |
| Address   | 6255 McLeod Dr. Suite 17 Las Vegas, NV 89120 USA |

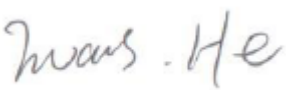
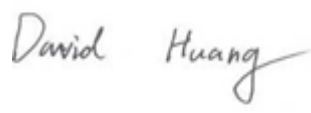
|                                     |  |
|-------------------------------------|--|
| Manufacturer or Supplier            | DONG GUAN KAN TSANG ELECTROACOUSTIC TECHNOLOGY CO., LTD.                     |
| Address                             | Room 402, Unit 1, No.8, Lu Yi Yi Road, Tang Xia Town, Dong Guan City, China. |
| Product                             | White Noise Machine  |
| Brand Name                          | Snooz  |
| Model                               | SNOOZ-B1   |
| Additional Model & Model Difference | N/A  |
| Date of tests                       | Nov. 26, 2020 ~ Dec. 23, 2020  |

☒ **FCC Part 2 (Section 2.1091)**

☒ **KDB 447498 D01**

☒ **IEEE C95.1**

**CONCLUSION: The submitted sample was found to COMPLY with the test requirement**

|   |   |
|---|---|
| Tested by Evans He<br>Project Engineer / EMC Department                             | Approved by David Huang<br>Assistant Manager / EMC Department   |
|  | <br><br>Date: Dec. 25, 2020 |

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## TABLE OF CONTENTS

|   |   |
|---|---|
| RELEASE CONTROL RECORD .....                          | 3 |
| 1. CERTIFICATION.....                                 | 4 |
| 2. RF EXPOSURE LIMIT .....                            | 5 |
| 3. MPE CALCULATION FORMULA.....                       | 5 |
| 4. CLASSIFICATION .....                               | 5 |
| 5. ANTENNA GAIN .....                                 | 6 |
| 6. CALCULATION RESULT OF MAXIMUM CONDUCTED POWER..... | 6 |

## RELEASE CONTROL RECORD

| ISSUE NO.     | REASON FOR CHANGE | DATE ISSUED   |
|---------------|-------------------|---------------|
| FM2011WSZ0113 | Original release  | Dec. 25, 2020 |

## 1. CERTIFICATION

|                        |                             |
|------------------------|-----------------------------|
| <b>FCC ID:</b>         | 2AXA7-SNOOZBUTTON           |
| <b>PRODUCT:</b>        | White Noise Machine         |
| <b>BRAND NAME:</b>     | Snooz                       |
| <b>MODEL NO.:</b>      | SNOOZ-B1                    |
| <b>ADDITIONAL NO.:</b> | N/A                         |
| <b>TEST SAMPLE:</b>    | Engineering Sample          |
| <b>APPLICANT:</b>      | SNOOZ, INC                  |
| <b>STANDARDS:</b>      | FCC Part 2 (Section 2.1091) |
|                        | KDB 447498 D01              |
|                        | IEEE C95.1                  |

## 2. RF EXPOSURE LIMIT

### LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

| FREQUENCY RANGE (MHz)                                 | ELECTRIC FIELD STRENGTH (V/m) | MAGNETIC FIELD STRENGTH (A/m) | POWER DENSITY (mW/cm <sup>2</sup> ) | AVERAGE TIME (minutes) |
|---|-------------------------------|-------------------------------|-------------------------------------|------------------------|
| LIMITS FOR GENERAL POPULATION / UNCONTROLLED EXPOSURE |                               |                               |                                     |                        |
| 300-1500  | ...                           | ...                           | F/1500                              | 30                     |
| 1500-100,000  | ...                           | ...                           | 1.0                                 | 30                     |

F = Frequency in MHz

## 3. MPE CALCULATION FORMULA

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

where

$P_d$  = power density in mW/cm<sup>2</sup>

$P_{out}$  = 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

## 4. CLASSIFICATION

The antenna of this product, under normal use condition, is at least 20cm away from the body of the user. So, this device is classified as **Mobile Device**.

## 5. ANTENNA GAIN

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

| Mode | Transmitter Circuit | Peak Gain (dBi) | Antenna Type |
|------|---------------------|-----------------|--------------|
| BT   | Chain 0             | 0               | PCB Antenna  |
| BLE  | Chain 0             | 0               | PCB Antenna  |

## 6. CALCULATION RESULT OF MAXIMUM CONDUCTED POWER

The tuned conducted Average Power (declared by client)

| Mode         | Frequency (MHz) | Target Power (dBm) | Tolerance (dBm) | Lower Tolerance (dBm) | Upper Tolerance (dBm) |
|--------------|-----------------|--------------------|-----------------|-----------------------|-----------------------|
| BT (GFSK)    | 2402-2480MHz    | 6                  | +2              | 4                     | 8                     |
| BT (8DPSK)   | 2402-2480MHz    | 7                  | +2              | 5                     | 9                     |
| BT-LE (GFSK) | 2402-2480MHz    | 6                  | +2              | 4                     | 8                     |

The measured conducted Average Power

| Mode         | Frequency (MHz) | Averaged Power (dBm) |
|--------------|-----------------|----------------------|
| BT (GFSK)    | 2441            | 6.40                 |
| BT (8DPSK)   | 2441            | 7.40                 |
| BT-LE (GFSK) | 2440            | 6.51                 |

| FREQUENCY BAND (MHz) | MAX AVERAGE POWER (dBm) | ANTENNA GAIN (dBi) | DISTANCE (cm) | POWER DENSITY (mW/cm <sup>2</sup> ) | LIMIT (mW/cm <sup>2</sup> ) |
|----------------------|-------------------------|--------------------|---------------|-------------------------------------|-----------------------------|
| 2402-2480            | 9                       | 0                  | 20            | 0.00158                             | 1.0                         |

--- END ---