

## RF Exposure Evaluation Report

**Report Reference No.**..... : **MTEB26070105-H**

**FCC ID**..... : **2A3AI-TOP2BT**

Compiled by

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**Applicant's name**.....: **New Wanaka Limited**

Address.....: FLAT/RM 803 8/F, EASEY COMMERCIAL BUILDING 253-261  
HENNESSY ROAD, WAN CHAI HONG KONG.

**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**.....: Smart Piano

Trade Mark.....: The ONE

Model/Type reference.....: TOP2BT

Listed Models .....: TOP1X100BT

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

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

Hardware Version.....: V01

Software Version.....: V1.0.0

Rating.....: DC 15V by Adapter

Result.....: PASS

## TEST REPORT

Equipment under Test : Smart Piano

Model /Type : TOP2BT

Listed Models : TOP1X100BT

Remark : Only the model TOP2BT was tested, The electrical circuit design, layout, components used and internal wiring are identical, Only the model name and appearance are different.

Applicant : New Wanaka Limited

Address : FLAT/RM 803 8/F, EASEY COMMERCIAL BUILDING 253-261 HENNESSY ROAD, WAN CHAI HONG KONG.

Manufacturer : New Wanaka Limited

Address : FLAT/RM 803 8/F, EASEY COMMERCIAL BUILDING 253-261 HENNESSY ROAD, WAN CHAI HONG KONG.

|                     |             |
|---------------------|-------------|
| <b>Test Result:</b> | <b>PASS</b> |
|---------------------|-------------|

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       | 2026.07.11 | Initial Issue | Ekaterina Zhang |
|          |            |               |                 |
|          |            |               |                 |

## 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:

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

## BLE

| GFSK             |                            |                            |                       |
|------------------|----------------------------|----------------------------|-----------------------|
| Test channel     | Peak Output Power<br>(dBm) | Tune up tolerance<br>(dBm) | Maximum tune-up Power |
|                  |                            |                            | (dBm)                 |
| Lowest(2402MHz)  | -0.70                      | $-0.70 \pm 1$              | 0.30                  |
| Middle(2440MHz)  | -0.92                      | $-0.92 \pm 1$              | 0.08                  |
| Highest(2480MHz) | -1.81                      | $-1.81 \pm 1$              | -0.81                 |

| Worst case: GFSK |                                                    |                          |      |                     |                        |                       |
|------------------|----------------------------------------------------|--------------------------|------|---------------------|------------------------|-----------------------|
| Channel          | Maximum Peak<br>Conducted Output<br>Power<br>(dBm) | Maximum tune-up<br>Power |      | Calculated<br>value | Exclusion<br>threshold | SAR Test<br>Exclusion |
|                  |                                                    | (dBm)                    | (mW) |                     |                        |                       |
| Lowest(2402MHz)  | -0.70                                              | 0.30                     | 1.07 | 0.33                | 3.0                    | Yes                   |

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