

## SAR Exemption Evaluation

<b>Applicant</b>	Honor Device Co., Ltd.
<b>FCC ID</b>	2AYGCELN-KBD
<b>Product</b>	Keyboard
<b>Model</b>	Eileen-keyboard
<b>Report No.</b>	R2303A0341-S1
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## 1 Test Laboratory

### 1.1 Notes of the Test Report

This report shall not be reproduced in full or partial, without the written approval of **TA Technology (Shanghai) Co., Ltd.** The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein .Measurement Uncertainties were not taken into account and are published for informational purposes only. This report is written to support regulatory compliance of the applicable standards stated above.

### 1.2 Test Facility

**FCC (Designation number: CN1179, Test Firm Registration Number: 446626)**

TA Technology (Shanghai) Co., Ltd. has been listed on the US Federal Communications Commission list of test facilities recognized to perform measurements.

### 1.3 Testing Location

Company: TA Technology (Shanghai) Co., Ltd.

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### 1.4 Laboratory Environment

Temperature	Min. = 18°C, Max. = 25 °C
Relative humidity	Min. = 30%, Max. = 70%
Ground system resistance	< 0.5 $\Omega$
Ambient noise is checked and found very low and in compliance with requirement of standards.	
Reflection of surrounding objects is minimized and in compliance with requirement of standards.	

## 2 Description of Equipment Under Test

### Client Information

Applicant	Honor Device Co., Ltd.
Applicant address	Suite 3401, Unit A, Building 6, Shum Yip Sky Park, No. 8089, Hongli West Road, Xiangmihu Street, Futian District, Shenzhen, Guangdong 518040, People's Republic of China
Manufacturer	Honor Device Co., Ltd.
Manufacturer address	Suite 3401, Unit A, Building 6, Shum Yip Sky Park, No. 8089, Hongli West Road, Xiangmihu Street, Futian District, Shenzhen, Guangdong 518040, People's Republic of China

### General Technologies

Application Purpose	Original Grant
EUT Stage	Identical Prototype
Model	Eileen-keyboard
IMEI	HS2401D328000464
Hardware Version	A1-1
Software Version	1.0.0
Antenna Type	PCB Antenna
Date of Testing	April 22, 2023 ~ April 24, 2023
Date of Sample Received	April 17, 2023
Note: The EUT is sent from the applicant to TA and the information of the EUT is declared by the applicant.	

No.	Type	1st source		2nd source	
		Supplier	Model	Supplier	Model
1	Crystal	HuiLun	3S24000193	HANGZHOU HOSONIC ELECTRONIC	E3SB24E000026E
2	TVS	Wayon Electronics Co., Ltd.	WE05DF-BH	ETEK	ES05DF-BN
3	Type C connector	QI DONG Linkconn Electronics Co., Ltd.	UAF05-16164-3015	Fuding PRECISION COMPONENT(Shenzhen) Co., Ltd.	UT12523-10200-7H

Note: The difference between the two source is only the Crystal, TVS and Type C connector. There is more than one source, each one should be applied throughout the compliance test respectively, however, only the worst case (1st source) will be recorded in this report.

## Wireless Technology and Frequency Range

Wireless Technology		Modulation	Operating Mode	Tx (MHz)
Bluetooth	2.4G	Version 5.2 LE		2402 ~2480

### 3 Test Specification, Methods and Procedures

#### Reference Standards

KDB 447498 D01 General RF Exposure Guidance v06

## 4 Output Power

Test Mode	Frequency (MHz)/CH	Average Output Power (dBm)
Bluetooth (Low Energy) (1M)	2402/CH0	1.28
	2440/CH19	1.89
	2480/CH39	1.63
Bluetooth (Low Energy) (2M)	2402/CH0	1.29
	2440/CH19	1.66
	2480/CH39	1.70

## 5 Standalone SAR Test Exclusion Considerations

Per KDB 447498 D01, 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:

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

- $f(\text{GHz})$  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

Per KDB 447498 D01, when the minimum test separation distance is  $< 5$  mm, a distance of 5 mm is applied to determine SAR test exclusion.

Band	Configuration	Frequency (MHz)	Distance (mm)	MAX Power (dBm)	Ratio	SAR test exclusion thresholds	Evaluation
Bluetooth LE	Body-worn	2480	15	1.89	0.16	3	No
	Hotspot	2480	10	1.89	0.24	3	No
	Extremity SAR	2480	5	1.89	0.49	7.5	No

Note: Based on SAR test exclusion, all values meet the SAR test exclusion thresholds and are exempt from routine RF exposure evaluation.

\*\*\*\*\*END OF REPORT \*\*\*\*\*



## ANNEX A: The EUT Appearance

The EUT Appearance are submitted separately.