

SAR Exemption Evaluation

Applicant Honor Device Co., Ltd.

FCC ID 2AYGCELN-KBD

Product Keyboard

Model Eileen-keyboard

Report No. 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.

Address: Building 3, No.145, Jintang Rd, Pudong Shanghai, P.R.China

City: Shanghai

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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 Ω			
Ground system resistance	< 0.5 Ω			

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

General Technologies

<u> </u>				
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 ELIT is contifrom the applicant to TA and the information of the ELIT is declared by the				

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No.	Tyma	1st source		2nd source		
INO.	Type	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.

SAR exemption evaluation

Wireless Technology and Frequency Range

Wireless Technology		Modulation	Modulation Operating Mode	
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	2402/CH0	1.28
(Low Energy)	2440/CH19	1.89
(1M)	2480/CH39	1.63
Bluetooth	2402/CH0	1.29
(Low Energy)	2440/CH19	1.66
(2M)	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 ≤ 50 mm are determined by:

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

- > 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

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
Divotaath	Body-worn	2480	15	1.89	0.16	3	No
Bluetooth LE	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.