

Product Name: K330w Plus Wireless Mechanical Keyboard	Report No: FCC022022-05618RF3
Product Model: K330w Plus	Security Classification: Open
Version: V1.0	Total Page: 5

TIRT Testing Report



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FCC RF EXPOSURE REPORT

FCC ID: 2AXCA-K330WPLUS

Project No. : 2022-05618
Equipment : K330w Plus Wireless Mechanical Keyboard
Brand Name : DURGOD
Test Model : K330w Plus
Series Model : N/A
Applicant : Zhuhai Hoksi Technology CO.,LTD
Address : Room803,No.3 BLDG,No.6, Pingbei 1 Rd., Nanping Technology & Industry Park,Xiangzhou St.,ZhuHai,China
Manufacturer : Zhuhai Hoksi Technology CO.,LTD
Address : Room803,No.3 BLDG,No.6, Pingbei 1 Rd., Nanping Technology & Industry Park,Xiangzhou St.,ZhuHai,China
Factory : Zhuhai Hengchang Electronic Technology Co.,Ltd
Address : 3rd floor, A building, No. 7 of 3rd pingxi Road, Nanping Technical industry park, Zhuhai, China
Date of Receipt : 2022.10.17
Date of Test : 2022.10.17-2022.10.27
Issued Date : 2022.10.27
Report Version : V1.0
Test Sample : Engineering Sample No.: 20221026018937
Standard(s) : FCC Guidelines for Human Exposure IEEE C95.1 & FCC Part 2.1091 FCC Title 47 Part 2.1091

- The test result referred exclusively to the presented test model /sample.
- Without written approval of TIRT Inc. the test report shall not reproduced except in full.

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REPORT ISSUED HISTORY

Report No.	Version	Description	Issued Date	Note
FCC022022-05618RF3	V1.0	Original Report	2022.10.27	Valid

1. TEST FACILITY

Company:	Beijing TIRT Technology Service Co.,Ltd Shenzhen
Address:	101, 3 # Factory Building, Gongjin Electronics, Shatin Community, KengziStreet, Pingshan District, Shenzhen City, Guangdong province, China
CNAS Registration Number:	CNAS L14158
A2LA Registration Number	6049.01
Telephone:	+86-0755-27087573

2. MPE CALCULATION METHOD

Calculation Method of RF Safety Distance:

$$S = \frac{PG}{4\pi r^2} = \frac{EIRP}{4\pi r^2}$$

where:

S = power density


P = power input to the antenna

G = power gain of the antenna in the direction of interest relative to an isotropic radiator

R = distance to the center of radiation of the antenna

For LE :

Antenna Specification:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1		RFPCA430816IM AB301	PCB	IPEX Compatible (Gold)	3.12

Note: The antenna gain is provided by the manufacturer.

3. TEST RESULTS

For LE:

Directional Gain (dBi)	Directional Gain (numeric)	Max. Output Power (dBm)	Max. Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
3.12	2.05	-3.84	0.413	0.001685	1	Complies

For SRD 2.4G:

Directional Gain (dBi)	Directional Gain (numeric)	Max. Output Power (dBm)	Max. Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
3.12	2.05	-0.64	0.863	0.00352	1	Complies

Note:

1. Only the worst case recorded.
2. The calculated distance is 20 cm.

End of Test Report