RF EXPOSURE REPORT

Applicant	:	HAMPTON PRODUCTS INTERNATIONAL CORP.
Address of Applicant	:	50 Icon. Foothil Ranch, CA. 92610
Manufacturer	:	JSW Dongguan Ltd
Address of Manufacturer	:	No.38 Sanjiang Industrial Park, Hengli Town, Dongguan City, Guangdong, China 523462.
Equipment under Test	:	AIQ DBLT NFC Keypad Rechargeable ORB, AIQ DBLT NFC Keypad Rechargeable SN, AIQ DBLT NFC Keypad Rechargeable MB
Model No.	:	Q1001-613, Q1001-619, Q1001-622
FCC ID	:	2ANTY-Q1001
Test Standard(s)	:	KDB447498 D01 General RF Exposure Guidance v06
Report No.	:	DDT-RE24091803-2E03
Issue Date	:	2024/09/30
Issue By	:	Guangdong Dongdian Testing Service Co., Ltd. Unit 2, Building 1, No. 17, Zongbu 2nd Road, Songshan Lake Park, Dongguan, Guangdong, China, 523808

REPORT

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Test Report Declare

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Test Standard Used:

KDB447498 D01 General RF Exposure Guidance v06

We Declare:

The equipment described above is tested by Guangdong Dongdian Testing Service Co., Ltd. and in the configuration tested the equipment complied with the standards specified above. The test results are contained in this test report and Guangdong Dongdian Testing Service Co., Ltd. is assumed of full responsibility for the accuracy and completeness of these tests.

Report No.:	DDT-RE24091803-2E03		
Date of Receipt:	2024/09/19	**Date of Test:**	2024/09/19~2024/09/30

Prepared By:

Tiger Mo

Tiger Mo/Engineer

Approved By:

GUANGDONG DONGDIAN TESTING SERVICE CO.,LTD. 广东东电检测技术有限公司 Certificate and Report Seal 检验检测专用章

Damon Hu/EMC Manager

Note: This report applies to above tested sample only. This report shall not be reproduced in parts without written approval of Guangdong Dongdian Testing Service Co., Ltd.

Revision History

Rev.	Revisions	Issue Date	Revised By
---	Initial issue	2024/09/30	

1. General Test Information

1.1. Description of EUT

EUT Name	:	AIQ DBLT NFC Keypad Rechargeable ORB, AIQ DBLT NFC Keypad Rechargeable SN, AIQ DBLT NFC Keypad Rechargeable MB
Model Number	:	Q1001-613, Q1001-619, Q1001-622
Difference of model number	:	Above models are identical in schematic and structure, only the EUT Name, Model Number and appearance colour are different for all the models, therefore the test performed on the model Q1001-622.
EUT Function Description	:	Please reference user manual of this device
Power Supply	:	DC 5V From External adapter or Built-in lithium battery
Antenna Type	:	Built-in antenna
Antenna Gain(dBi)	:	3

Note: This EUT support Bluetooth LE, NFC.

Note: The above EUT information is declared by manufacturer and for more detailed features description please refer to the manufacturer's specifications or User's Manual. The above Antenna information is declared by manufacturer and for more detailed features description please refer to the manufacturer's specifications, the laboratory shall not be held responsible.

"☒" means to be chosen or applicable; "□" means don't to be chosen or not applicable; This note applies to entire report.

1.2. Accessories of EUT

Accessories	Manufacturer	Model number	Description
AC ADAPTER	SHENZHEN TEKA TECHNOLOGY CO.,LTD.	TEKA-UCA20US	INPUT: 100-240V~50/60Hz 0.35A MAX OUTPUT: 5.0V ⎓ 2.0A

1.3. Test laboratory

Guangdong Dongdian Testing Service Co., Ltd.

Add.: Unit 2, Building 1, No. 17, Zongbu 2nd Road, Songshan Lake Park, Dongguan, Guangdong, China, 523808.

Tel.: +86-0769-38826678, http://www.dgddt.com, Email: ddt@dgddt.com.

CNAS Accreditation No. L6451; A2LA Accreditation Number: 3870.01

FCC Designation Number: CN1182, Test Firm Registration Number: 540522

Innovation, Science and Economic Development Canada Site Registration Number: 10288A

Conformity Assessment Body identifier: CN0048

VCCI facility registration number: C-20087, T-20088, R-20123, R-20155, G-20118

2. RF Exposure evaluation for FCC

According to 447498 D01 General RF Exposure Guidance v06

(1)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:

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] ·[√f(GHz)] ≤ 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where:

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

(2)For frequencies below 100 MHz, For test separation distances ≤ 50 mm, the power threshold determined by the equation in c) 1) for 50 mm and 100 MHz is multiplied by ½

Manufacturing Tolerance

Mode	Frequency [MHz]	Target (dBm)	Tolerance ±(dB)	(Target+ Tolerance) (mw)	Limit (mw)
BLE_1M	2402	5.71	2	5.90	10
	2440	4.37	2	4.34	10
	2480	3.49	2	3.54	10
BLE_2M	2404	5.67	2	5.85	10
	2440	4.41	2	4.38	10
	2478	3.56	2	3.60	10
NFC	13.56	-27.33	2	0.0029	308

Estimtion Result

PK Output Power=67.87dBuV/m@3m-95.2=-27.33dBm
Simultaneous transmit evaluation worst result: BLE+NFC=5.90/10+0.0029/308=0.59<1.

Then SAR evaluation is not required.

4. Photos of the EUT

Please refer to DDT-Q24091803-1Eappendix I

----------End Report----------