

RF EXPOSURE REPORT

FOR

Applicant	:	Sahara Presentation Systems LTD.
Address	:	Europa house, Delivery bays 28-30, Littlebrook DC1, Shield Road, Dartford, Kent
Equipment under Test	:	Interactive Touchscreen Display
Model No.	:	For FCC: IMPACT Lux 65", UX Pro 3 65", IMPACT Lux 75", UX Pro 3 75", IMPACT Lux 86", UX Pro 3 86", For ISED: IMPACT Lux 65", IMPACT Lux 75", IMPACT Lux 86"
Trade Mark	:	CLEVERTOUCH
FCC ID	:	2APKO-EKXXXG
Manufacturer	:	Sahara Presentation Systems LTD.
Address	:	Europa house, Delivery bays 28-30, Littlebrook DC1, Shield Road, Dartford, Kent

Issued By: Dongguan Dongdian Testing Service Co., Ltd.

Add.: No. 17, Zongbu Road 2, Songshan Lake Sci&Tech, Industry Park,
Dongguan City, Guangdong Province, China, 523808

Tel.: +86-0769-38826678, **E-mail:** ddt@dgddt.com, <http://www.dgddt.com>

REPORT

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Test Report Declare

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Standard Used: KDB447498 D04 Interim General RF Exposure Guidance v01

We Declare:

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

After evaluation, our opinion is that the equipment In Accordance with above standard.

Report No.:	DDT-RE23051601-1E04		
Date of Receipt:	Jun. 01, 2023	Date of Test:	Jun. 08, 2023 ~ Aug. 11, 2023

Prepared By:

Jacky Huang

Jacky Huang/Engineer

Approved By:

Damon Hu

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 Dongguan Dongdian Testing Service Co., Ltd.

Revision History

Rev.	Revisions	Issue Date	Revised By
---	Initial issue	Aug. 15, 2023	

1. General Information

1.1. Description of equipment

EUT Name	: Interactive Touchscreen Display
Model Number	: For FCC: IMPACT Lux 65", UX Pro 3 65", IMPACT Lux 75", UX Pro 3 75", IMPACT Lux 86", UX Pro 3 86", For ISED: IMPACT Lux 65", IMPACT Lux 75", IMPACT Lux 86"
Difference of models	: The IMPACT Lux 65" is different from the UX Pro 3 65" only in model name and sales market. The rest of the hardware, performance, and functions are the same. The IMPACT Lux 75" is different from the UX Pro 3 75" only in model name and sales market. The rest of the hardware, performance, and functions are the same. The IMPACT Lux 86" is different from the UX Pro 3 86" only in model name and sales market. The rest of the hardware, performance, and functions are the same. Compare with IMPACT Lux 65", IMPACT Lux 75" only the appearance, size and power mainboard are different, others completely the same. Compare with IMPACT Lux 65", IMPACT Lux 86" only the appearance, size, power mainboard, AC power socket board and screen timing control T-CON board are different, others completely the same. All models' RF hardware and software, including modules, crystal oscillator, antenna, function exactly the same. According to the pretest results, the differences between the models only affect the results of the Radiated Emission (30MHz-1GHz) and Power Line Conducted Emissions. Therefore, in addition to the two test projects, the results of three models (IMPACT Lux 65", IMPACT Lux 75", IMPACT Lux 86") are recorded, and the remaining projects only record the test results of the worst model: IMPACT Lux 65".
EUT function description	: Please reference user manual of this device
Power Supply	: IMPACT Lux 65": 100-240V~ 50/60Hz 4.5A, IMPACT Lux 75": 100-240V~ 50/60Hz 5.5A, IMPACT Lux 86": 100-240V~ 50/60Hz 6.0A
Radio Specification	: NFC
Operation Frequency	: 13.56 MHz
Antenna Type	: Inductive loop coil antenna
Sample Number	: S23051601-01, S23051602-01, S23051603-01

1.2. Assess laboratory

Dongguan Dongdian Testing Service Co., Ltd.

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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

2.1. Requirement.

Per § 1.1307(b)(3)(i)(A), a single RF source is exempt RF device (from the requirement to show data demonstrating compliance to RF exposure limits, as previously mentioned) if the available maximum time-averaged power is no more than 1 mW, regardless of separation distance. This exemption applies to all operating configurations and exposure conditions, for the frequency range 100 kHz to 100 GHz, regardless of fixed, mobile, or portable device exposure conditions. This is a standalone exemption, and it cannot be applied in conjunction with any other test exemption.

2.2. Estimation result

Mode	Max. Turn-up ERP (dBm)	Max. Turn-up ERP (mW)	Limit (mW)
NFC	-48	0.00002	1

The NFC ERP is -49.15 dBm (57.85dBμV/m@3m), Max turn-up ERP is -48 dBm.

END OF REPORT