

RF Exposure Report

Report No.: SABCUG-WTW-P22010682

FCC ID: B32UX700

Test Model: UX700-WBU

Received Date: Jan. 20, 2022

Test Date: Feb. 23 ~ Mar. 15, 2022

Issued Date: Mar. 30, 2022

Applicant: Verifone, Inc.

Address: 1400 West Stanford Ranch Road Suite 150 Rocklin CA 95765 USA

Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch

Lin Kou Laboratories

Lab Address: No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan

Test Location (1): No. 19, Hwa Ya 2nd Rd., Wen Hwa Vil., Kwei Shan Dist., Taoyuan City

33383, TAIWAN

FCC Registration / 788550 / TW0003

Designation Number:

Test Location (2): No. 70, Wenming Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)

FCC Registration / 281270 / TW0032

Designation Number:





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Release Control Record

| | - | |
|----------------------|------------------|---------------|
| Issue No. | Description | Date Issued |
| SABCUG-WTW-P22010682 | Original release | Mar. 30, 2022 |



1 Certificate of Conformity

Product: Point of Sale Terminal

Brand: Verifone

Test Model: UX700-WBU

Sample Status: Engineering sample

Applicant: Verifone, Inc.

Test Date: Feb. 23 ~ Mar. 15, 2022

Standards: FCC Part 2 (Section 2.1091)

References Test KDB 447498 D01 General RF Exposure Guidance v06

Guidance:

The above equipment has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's RF characteristics under the conditions specified in this report.

Prepared by: ________, Date: ________, Mar. 30, 2022

Celine Chou / Senior Specialist

Approved by: ______, Date: Mar. 30, 2022

Jeremy Lin / Project Engineer



2 RF Exposure

2.1 Limits for Maximum Permissible Exposure (MPE)

| Frequency Range (MHz) | | | Power Density (mW/cm²) | Average Time (minutes) | | | | | |
|-----------------------|---|--|---------------------------|------------------------|--|--|--|--|--|
| | Limits For General Population / Uncontrolled Exposure | | | | | | | | |
| 300-1500 | | | F/1500 | 30 | | | | | |
| 1500-100,000 | | | 1.0 | 30 | | | | | |

F = Frequency in MHz

2.2 MPE Calculation Formula

 $Pd = (Pout*G) / (4*pi*r^2)$

where

Pd = power density in mW/cm²

Pout = output power to antenna in mW

G = gain of antenna in linear scale

pi = 3.1416

r = distance between observation point and center of the radiator in cm

2.3 Classification

The antenna of this product, under normal use condition, is at least 20cm away from the body of the user. So, this device is classified as **Mobile Device**.



3 Calculation Result of Maximum Conducted Power

| Function | Frequency Band (MHz) | Max AV Power (dBm) | Antenna Gain (dBi) | Distance (cm) | Power Density (mW/cm²) | Limit (mW/cm²) |
|---------------|-------------------------|-----------------------|-----------------------|------------------|---------------------------|-------------------|
| | 2412-2462 | 16.77 | 2.60 | 20 | 0.017 | 1.000 |
| | 5180-5240 | 15.81 | 3.60 | 20 | 0.017 | 1.000 |
| WLAN | 5260-5320 | 15.97 | 3.60 | 20 | 0.018 | 1.000 |
| | 5500-5700 | 15.81 | 3.60 | 20 | 0.017 | 1.000 |
| | 5745-5825 | 15.78 | 3.60 | 20 | 0.017 | 1.000 |
| Bluetooth LE | 2402-2480 | 1.99 | 2.60 | 20 | 0.001 | 1.000 |
| Bluetooth EDR | 2402-2480 | 10.92 | 2.60 | 20 | 0.004 | 1.000 |

Note:

- 1. Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.
- 2. 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.

| Mode | Field Strength (dBuV/m) @30m | Field Strength (dBuV/m) @3m | Max. Power EIRP (dBm) | Distance (cm) | Power Density (mW/cm²) | Limit (mW/cm²) |
|------|------------------------------------|-----------------------------------|-----------------------------|---------------|---------------------------|-------------------|
| NFC | 45.03 | 85.03 | -10.20 | 20 | 0.00002 | 0.978 |

Note:

- 1. Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.
- 2. Max Power (dBm) = Field Strength of Fundamental (dBuV/m@3m) 95.23, Max Power (mW) = $10^{(Max power (dBm)/10)}$
- 3. The measured field strength was extrapolated to distance 30 meters, using the formula that the limit of field strength varies as the inverse distance square (40dB per decade of distance)

| Mode | Max. Power EIRP (dBm) @1m | Max. Power EIRP (dBm) @3m | Distance (cm) | Power Density (mW/cm²) | Limit (mW/cm²) |
|------|---------------------------------|---------------------------------|---------------|---------------------------|-------------------|
| UWB | -12.88 | -22.42 | 20 | 0.000001 | 1.000 |

Note:

- 1. Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.
- 2. Test distance at 1m, 1m to 3m Test distance Fact(dB)=20*log(3/1)= 9.54dB.

Conclusion:

The formula of calculated the MPE is:

CPD1 / LPD1 + CPD2 / LPD2 +etc. < 1

CPD = Calculation power density

LPD = Limit of power density

---END---