Variant RF Exposure Report

Report No.:	SA200206C08 R1
FCC ID:	B32V400MBFF
Test Model:	CM5P B-FF
Received Date:	Feb. 06, 2020
Date of Evaluation:	Mar. 04, 2020
Issued Date:	Mar. 31, 2020
Applicant:	Verifone, Inc.
Address:	1400 West Stanford Ranch Road Suite 200 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:	No. 19, Hwa Ya 2nd Rd., Wen Hwa Vil., Kwei Shan Dist., Taoyuan City 33383, TAIWAN
FCC Registration / Designation Number:	788550 / TW0003

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Release Control Record

Issue No.	Description	Date Issued
SA200206C08	Original Release	Mar. 09, 2020
SA200206C08 R1	Change to C2PC	Mar. 31, 2020

1 Certificate of Conformity

Product:	Charging Base
Brand:	Verifone
Test Model:	CM5P B-FF
Sample Status:	Identical Prototype
Applicant:	Verifone, Inc.
Date of Evaluation:	Mar. 04, 2020
Standards:	FCC Part 2 (Section 2.1091)
References Test Guidance :	KDB 447498 D01 General RF Exposure Guidance v06 IEEE C95.3 -2002

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. 31, 2020

Gina Liu / Specialist

Approved by :  , **Date:** Mar. 31, 2020

Dylan Chiou / Senior Project Engineer

2 General Description of EUT

Product	Charging Base
Brand	Verifone
Test Model	CM5P B-FF
Status of EUT	Identical Prototype
Power Supply Rating	5 Vdc (Adapter)
Modulation Type	GFSK, π/4-DQPSK, 8DPSK
Transfer Rate	1/2/3 Mbps
Operating Frequency	2402 ~ 2480 MHz
Output Power	6.902 mW
Antenna Type	Chip antenna with 1.96 dBi gain
Antenna Connector	N/A
Accessory Device	Refer to Note as below
Data Cable Supplied	N/A

Note:

1. This report is prepared for FCC class II permissive change. The difference compared with the original report (BV CPS report no.: SA161118C16C) are listed as below.

- POGO PCB (contact to terminal device for charging)
- Docking FPC (connection of power board, FF charging main board and POGO board)
- PSTN will be disable

2. The EUT contains following accessory devices.

Product	Brand	Model	Description
Adapter	Verifone	AM11A-050A/AM11E-050A	I/P: 100-240 Vac, 50-60 Hz, 500 mA O/P: 5 Vdc, 2.2 A

3. The above EUT information is declared by manufacturer and for more detailed features description, please refers to the manufacturer's specifications or User's Manual.

3 RF Exposure

3.1 Limits for Maximum Permissible Exposure (MPE)

Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (mW/cm^2)	Average Time (minutes)
Limits For General Population / Uncontrolled Exposure				
0.3-1.34	614	1.63	(100)*	30
1.34-30	824/f	2.19/f	($180/f^2$)*	30
30-300	27.5	0.073	0.2	30
300-1500	…	…	f/1500	30
1500-100,000	…	…	1.0	30

f = Frequency in MHz ; *Plane-wave equivalent power density

3.2 MPE Calculation Formula

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

where

Pd = power density in mW/cm^2

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

3.3 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**.

3.4 Calculation Result of Maximum Conducted Power

Band	Frequency Band (MHz)	Max Power (dBm)	Antenna Gain (dBi)	Distance (cm)	Power Density (mW/cm^2)	Limit (mW/cm^2)
BT	2402-2480	8.14	1.96	20	0.002	1.00

Note: Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

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