

## RF Exposure Report

**Report No.:** SA200214C14

**FCC ID:** Q3N-QBIT2

**Test Model:** QBIT2

**Received Date:** Feb. 14, 2020

**Test Date:** Feb. 21 ~ Mar. 23, 2020

**Issued Date:** Mar. 30, 2020

**Applicant:** CIPHERLAB CO., LTD

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**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
SA200214C14	Original release	Mar. 30, 2020

## 1 Certificate of Conformity

**Product:** POS

**Brand:** CIPHERLAB, MPLUS

**Test Model:** QBIT2

**Sample Status:** Engineering sample

**Applicant:** CIPHERLAB CO., LTD

**Test Date:** Feb. 21 ~ Mar. 23, 2020

**Standards:** FCC Part 2 (Section 2.1091)

**References Test** KDB 447498 D01 General RF Exposure Guidance v06

**Guidance:** 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. 30, 2020  
Polly Chien / Specialist

**Approved by :**  , **Date:** Mar. 30, 2020  
Bruce Chen / Senior Project Engineer

## 2 RF Exposure

### 2.1 Limits for Maximum Permissible Exposure (MPE)

Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (mW/cm <sup>2</sup> )	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/cm<sup>2</sup>

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

Frequency Band (MHz)	Max Average Power (dBm)	Antenna Gain (dBi)	Distance (cm)	Power Density (mW/cm <sup>2</sup> )	Limit (mW/cm <sup>2</sup> )
<b>WLAN</b>					
2412-2462	17.41	7.00	20	0.055	1
5180-5240	14.96	6.10	20	0.025	1
5260-5320	14.31	5.69	20	0.020	1
5500-5700	14.28	5.17	20	0.018	1
<b>BT LE</b>					
2402-2480	2.67	7.00	20	0.002	1
<b>BT EDR</b>					
2402-2480	6.57	7.00	20	0.005	1

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

Note: 2.4GHz and BT EDR / 2.4GHz and BT LE / 5GHz and BT EDR / 5GHz and BT LE technologies can not transmit at same time.

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