

## RF Exposure Report

**Report No.:** SA170904D08

**FCC ID:** 2AAGJDWHP83

**Test Model:** DWHP83

**Received Date:** Sep. 4, 2017

**Test Date:** Oct. 5 ~ Nov. 1, 2017

**Issued Date:** Dec. 18, 2017

**Applicant:** Tymphany HK Limited

**Address:** Room 1307-8, Dominion Centre, 43-59 Queens Road East, Wanchai,  
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**Issued By:** Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch

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(R.O.C.)



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### Release Control Record

Issue No.	Description	Date Issued
SA170904D08	Original release.	Dec. 18, 2017

## 1 Certificate of Conformity

**Product:** Wireless-module  
**Brand:** Tymphany HK Limited  
**Test Model:** DWHP83  
**Sample Status:** Engineering sample  
**Applicant:** Tymphany HK Limited  
**Test Date:** Oct. 5 ~ Nov. 1, 2017  
**Standards:** FCC Part 2 (Section 2.1091)  
KDB 447498 D01 General RF Exposure Guidance v06  
IEEE C95.1-1992

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 EMC characteristics under the conditions specified in this report.

Prepared by :

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, Date:

Dec. 18, 2017

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Approved by :

*Rex Lai*

, Date:

Dec. 18, 2017

Rex Lai / Assistant Manager

## 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 Power (dBm)	Antenna Gain (dBi)	Distance (cm)	Power Density (mW/cm <sup>2</sup> )	Limit (mW/cm <sup>2</sup> )
5736 ~ 5814	2.21	3.2	20	0.0007	1

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