

RF Exposure Report

Report No.: MFBGTL-WTW-P20110320A

FCC ID: RX3-WFU032VZ

Test Model: WFU032-VZEA

Parent Model: WFU032-VZ

Received Date: 2023/2/21

Date of Evaluation: 2023/3/14

Issued Date: 2023/3/24

Applicant: Hon Hai Precision Industry Co., Ltd.

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(R.O.C.)

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

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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
MFBGTL-WTW-P20110320A	Original Release	2023/3/24

1 Certificate of Conformity

Product: 802.11b/g/n 2T2R Wireless Module

Brand: FOXCONN

Test Model: WFU032-VZEA

Parent Model: WFU032-VZ

Sample Status: Identical Prototype

Applicant: Hon Hai Precision Industry Co., Ltd.

Date of Evaluation: 2023/3/14

FCC Rule Part: FCC Part 2 (Section 2.1091)

Standards: KDB 447498 D01 General RF Exposure Guidance v06

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 :

Lena Wang

, Date:

2023/3/24

Lena Wang / Specialist

Approved by :

Jeremy Lin

, Date:

2023/3/24

Jeremy Lin / 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 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

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**.

2.4 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)
WLAN	2412-2462	15.52	1.98	20	0.011	1.00

Note:

1. This report is a supplementary report to the original BV CPS report no.: SABGTL-WTW-P20110320. The differences compared with the original design are adding test model (WFU032-VZEA) and external antenna, therefore the EUT is re-calculated MPE value in this report.
2. Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.
3. 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

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