



RF EXPOSURE EVALUATION

Report No. : AZ0039304(8) Date: 28 Aug 2020

Application No. : LW033348(0)

Applicant : Racefit International Company Ltd.

Sample Description : One(1) item of submitted sample stated to be

Product Description : Sensor module with BT 4.0

Sample registration No. : RW040414-001

Radio Frequency : 2402 – 2480MHz

Supply voltage : DC 3.7V Rechargeable battery

No. of submitted sample : 4

FCC ID : 2ARFZCRE001B1

Date Received : 10 Aug 2020

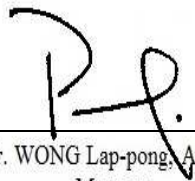
Evaluation Period : 12 Aug 2020 – 26 Aug 2020

Evaluation Method : 447498 D01 General RF Exposure Guidance v06 - RF Exposure Procedure and Equipment Authorization Policies for Mobile and Portable Devices

Conclusion : The maximum simultaneous power of Bluetooth operation were satisfied RF exposure requirements.

For and on behalf of
CMA Industrial Development Foundation Limited

Authorized Signature : _____


Mr. WONG Lap-pong, Andrew
Manager

Page 1 of 2

The conformity statement stated in Conclusion above is based on the decision rule agreed with applicant and listed in www.cmateesting.org/qac/statement-of-conformity.pdf.
This document is issued subject to the latest CMA Testing General Terms and Conditions of Testing and Inspection Services, available on request or accessible at website www.cmateesting.org.
This document shall not be reproduced except in full without written approval by CMA Testing. The results apply to the sample as received unless otherwise specified. The observations and test results in this report are relevant only to the sample tested.

CMA Industrial Development Foundation Limited

Room 1302, Yan Hing Centre, 9-13 Wong Chuk Yeung St., Fo Tan, Shatin, N.T., Hong Kong.

Tel: (852) 2698 8198 Fax: (852) 2695 4177 E-mail: info@cmateesting.org Web Site: <http://www.cmateesting.org>



RF EXPOSURE EVALUATION

Report No. : AZ0039304(8)

Date: 28 Aug 2020

Simultaneous power

Not applicable because only Bluetooth transmitter installed on the device

RF Exposure Evaluation

According to KDB 447498 D01 clause 4.3.1 a), transmission from 100 MHz to 6 GHz and test separation distances ≤ 50 mm, the 1-g and 10-g SAR test exclusion thresholds are determined by the following:

$$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot \sqrt{f(\text{GHz})}$$

Calculation

-Frequency	: 2.480GHz
-Max conducted output power	: -6.0dBm
-Antenna gain	: 1.5 dBi
-Max. power of channel in EIRP , including tune-up tolerance	: -4.5dbm (0.355mW)
-Minimum test separation distances	: <5mm

where

-EIRP = conducted output power (dBm) + antenna gain (dBi).

-f(GHz) is the RF channel transmit frequency in GHz.

-Power and distance are rounded to the nearest mW and mm before calculation.

-The result is rounded to two decimal place for comparison.

Substitute above reading for calculation.

$$[(\text{mW}) / (\text{mm})] \times \sqrt{\text{GHz}}$$

Result = 0.112

Requirements: ≤ 3.00 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR

Conclusion

The corresponding SAR test exclusion threshold was satisfied 4.3.1a) requirements. Measurement or numerical simulation is not required.

***** End of Evaluation *****