



# CMA Testing and Certification Laboratories

廠商會檢定中心

## RF EXPOSURE EVALUATION

Report No. : AZ0010465(5) Date: 13 Mar 2020

Application No. : LY038632(0)

Applicant : Three Champions Enterprise Co., Ltd.  
Flat E-105, 3/F., Tak Wing Industrial Building,  
3 Tsun Wen Road, Tuen Mun, Hong Kong

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

Product Description : C BT EB MINT  
Model : 3CBT01  
Sample registration No. : RY026732-001(0)  
Radio Frequency : 2402 – 2480MHz  
Supply voltage : DC3.7V (Li-ion rechargeable battery)  
DC5.0V (Charging port)  
No. of submitted sample : 1

FCC ID : 2AVGC3CBT01

Date Received : 02 Dec 2019


Evaluation Period : 20 Feb 2020 to 02 Mar 2020

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

Conclusion : The source-based time-averaged maximum conducted 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

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### Simultaneous power

No Simultaneous transmission

### RF Exposure Evaluation

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

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

### Calculation

- Frequency : 2.480GHz
- Max. peak conducted output power , including tune-up tolerance : 0.0334mW
- Minimum test separation distances : <5mm

where

-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.

$$\left[ \frac{\text{(mW)}}{\text{(mm)}} \right] \times \sqrt{\text{GHz}}$$

Result = 0.0106

Requirements:  $\leq 3.00$  for 1-g SAR and  $\leq 7.5$  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 \*\*\*\*\*