



CMA Testing and Certification Laboratories

廠商會檢定中心

RF EXPOSURE EVALUATION

Report No. : AY0061342(5) Date: Nov 11, 2019

Application No. : LY029786 (0)

Applicant : Maxx Marketing Limited
Unit 703, 7/F Peninsula Centre,
67 Mody Road, Tsim Sha Tsui East,
Kowloon, Hong Kong

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

Product Descriptin : 1:24 Voice Activated Batmobile
Model : 12903
Sample registration No. : RY019473-002(4)
Radio Frequency : 2402 – 2480MHz
Supply voltage : DC 5.0V (USB port)
AC100-240V(Travel Charger: S005AYZ0500100)
No. of submitted sample : 1

FCC ID : 2AUMX-12903

Date Received : Sep 20, 2019

Evaluation Period : Sep 23, 2019 to Nov 10, 2019

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 :

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Mr. WONG Lap-pong, Andrew
Manager

Document name: FCC RF exposure - Document Ref No: RT-EL-EMC-008 - Issue Date: 01 Dec 2017 - Edition: 1

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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:

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

Calculation

- Frequency	: 2.480GHz
- Max. peak conducted output power , including tune-up tolerance	: 0.083mW
- 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.

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

Result = 0.026

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 *****