



# CMA Testing and Certification Laboratories

廠商會檢定中心

## RF EXPOSURE EVALUATION

Report No. : AZ0020194(5) Date: 20 May 2020

Application No. : LZ010969(3)

Applicant : One World Technologies, Inc.

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

Product Description : Car of Hart RC Truck

Model : HPRC01

Sample registration No. : RZ025921-001

Radio Frequency : 2415MHz – 2473MHz

Supply voltage : DC 20V rechargeable battery

: AC 120V to DC 20V adaptor

No. of submitted sample : 2

FCC ID : VMZ-HPRC01R

Date Received : 28 Apr 2020


Evaluation Period : 11 May 2018 to 20 May 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 power of the remote was satisfied RF exposure requirements.

For and on behalf of  
CMA Industrial Development Foundation Limited

Authorized Signature : \_\_\_\_\_

  
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Manager  
Electrical Division

Page 1 of 2

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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](http://www.cmateesting.org/qac/statement-of-conformity.pdf)  
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CMA Industrial Development Foundation Limited

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### Simultaneous power

Not applicable because only one control signal

### 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 : 2.473GHz  
-Max. power of channel in EIRP , including tune-up tolerance : 1.318W  
-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 = 0.414

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 \*\*\*\*\*