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 Descriptin	: 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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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 ≤ 50 mm, the 1-g and 10-g SAR test exclusion thresholds are determined by the following:

[(*max. power of channel, including tune-up tolerance, mW*) / (*min. test separation distance, mm*)] · [√f(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.
[(mW) / (mm)] x √GHz]

Result = 0.414

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 *****

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