

MAXIMUM PERMISSIBLE EXPOSURE EVALUATION REPORT

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Product Name: Remote control car

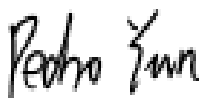
FCC ID: 2AWTC-DC301A

Standard(s): 47 CFR §1.1310, 47 CFR §2.1093

Report Number: 2402Z64779E-RF-00C

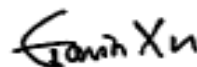
Report Date: 2024/12/23

The above device has been tested and found compliant with the requirement of the relative standards by Bay Area Compliance Laboratories Corp. (Dongguan).



Reviewed By: Pedro Yun

Title: Project Engineer



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GENERAL INFORMATION

General Description Of Equipment under Test

EUT Name:	Remote control car
EUT Model:	DC301A
Multiple Models:	DC303A, DC302A, DC777A, DC305A
Rated Input Voltage:	DC 3V from 1.5V*2 battery
EUT Received Date:	2024/11/18
EUT Received Status:	Good
Note: The multiple models are electrically identical with the test model. Please refer to the declaration letter for more detail, which was provided by manufacturer.	

RF EXPOSURE EVALUATION (MPE)

RF Exposure Evaluation

Applicable Standard

According to §1.1310, systems operating under the provisions of this section shall be operated in a manner that ensure that the public is not exposed to radio frequency energy level in excess of the Commission's guideline.

According to KDB447498 D01 General RF Exposure Guidance v06:

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where

- $f(\text{GHz})$ 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 one decimal place for comparison
- 3.0 and 7.5 are referred to as the numeric thresholds in the step 2 below

The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm according to 5) in section 4.1 is applied to determine SAR test exclusion.

Measurement Result

The max conducted power including tune-up tolerance is -10.5 dBm (0.09 mW).

$[(\text{max. power of channel, mW})/(\text{min. test separation distance, mm})][\sqrt{f(\text{GHz})}]$
 $= 0.09/5 \cdot (\sqrt{2.475}) = 0.03 < 3.0$

Note: The maximum E-Field strength is [84.36dBuV/m@3m](#), the EIRP= -10.84 dBm
 $\text{EIRP(dBm)} = \text{Field Strength of Fundamental(dBuV/m)} - 95.2$

Result: Compliant. The stand-alone SAR evaluation is not necessary.

EXHIBIT A - EUT PHOTOGRAPHS

Please refer to the attachment 2402Z64779E-RF-EXP EUT EXTERNAL PHOTOGRAPHS and 2402Z64779E-RF-INP EUT INTERNAL PHOTOGRAPHS.

******* END OF REPORT *******