## INTERTEK TESTING SERVICES

## **RF Exposure**

The equipment under test (EUT) is a RC Car operating at 2.4G Band. The EUT can be powered by DC 4.5V (3 x 1.5V AA batteries).For more detail information pls. refer to the user manual.

Antenna Type: Integral antenna. Antenna Gain: 0dBi. The normal radiated output power (e.i.r.p) is: -6.0dBm (tolerance: +/- 3dB). The normal conducted output power is -6.0dBm (tolerance: +/- 3dB). Modulation Type: GFSK.

According to the KDB 447498:

The Maximum peak radiated emission for the EUT is  $87.8dB\mu V/m$  at 3m in the frequency 2448MHz The EIRP = [(FS\*D) ^2 / 30] mW = -7.43dBm which is within the production variation.

The Minimum peak radiated emission for the EUT is  $87.4dB\mu V/m$  at 3m in the frequency 2432MHz The EIRP = [(FS\*D) ^2 / 30] mW = -7.83dBm which is within the production variation.

The maximum conducted output power specified is -3.0dBm= 0.501mW The source- based time-averaging conducted output power =0.501mW

The SAR Exclusion Threshold Level: = 3.0 \* (min. test separation distance, mm) / sqrt(freq. in GHz) = 3.0 \* 5 / sqrt (2.463) mW = 9.56 mW

Since the source-based time-averaging conducted output power is well below the SAR low threshold level, so the EUT is considered to comply with SAR requirement without testing.

FCC ID: 2ARXWSINOVAN13