

## INTERTEK TESTING SERVICES

---

### RF Exposure

The equipment under test (EUT) is an 1:24 R/C Asst.(1:24 Radio Control Vehicle (2.4GHz Version) ~ Volkswagen Van "Samba") operating at 2.4G Band. The EUT can be powered by DC 3.0V (2 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: -1.0dBm (tolerance: +/- 3dB).

The normal conducted output power is -1.0dBm (tolerance: +/- 3dB).

Modulation Type: GFSK.

According to the KDB 447498:

The Maximum peak radiated emission for the EUT is 96.6dB $\mu$ V/m at 3m in the frequency 2420MHz

The EIRP = [(FS\*D) ^2 / 30] mW = 1.37dBm

which is within the production variation.

The Minimum peak radiated emission for the EUT is 92.0dB $\mu$ V/m at 3m in the frequency 2440MHz

The EIRP = [(FS\*D) ^2 / 30] mW = -3.23dBm

which is within the production variation.

The maximum conducted output power specified is 2.0dBm= 1.585mW

The source- based time-averaging conducted output power =1.585mW

The SAR Exclusion Threshold Level:

= 3.0 \* (min. test separation distance, mm) / sqrt(freq. in GHz)

= 3.0 \* 5 / sqrt (2.462) 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: PKG81550RCA