

INTERTEK TESTING SERVICES

RF Exposure

The equipment under test (EUT) is a Licensed McLaren 765LT Ride On (12V) with Bluetooth 2.1 (Single Mode EDR) function operating in 2402-2480MHz. The EUT is powered by DC 12.0V by rechargeable battery. Once charging, the wireless function will be disabled. For more detail information pls. refer to the user manual.

Antenna Type: Integral antenna

Modulation Type: GFSK, $\pi/4$ -DQPSK and 8-DPSK

Antenna Gain: -0.58dBi Max

Bluetooth Version: 2.1 (Single Mode EDR)

The normal radiated output power (e.i.r.p) is: -4.58dBm (tolerance: +/- 3dB).

The normal conducted output power is -4.0dBm (tolerance: +/- 3dB).

According to the KDB 447498 V06:

The Maximum peak radiated emission for the EUT is 91.0dB μ V/m at 3m in the frequency 2441MHz

The EIRP = $[(FS^*D)^2 / 30]$ mW = -4.23dBm
which is within the production variation.

The Minimum peak radiated emission for the EUT is 89.5dB μ V/m at 3m in the frequency 2402MHz

The EIRP = $[(FS^*D)^2 / 30]$ mW = -5.73dBm
which is within the production variation.

The maximum conducted output power specified is -1.0dBm= 0.794mW

The source- based time-averaging conducted output power
=0.794mW

The SAR Exclusion Threshold Level:

= $3.0 * (\text{min. test separation distance, mm}) / \text{sqrt(freq. in GHz)}$
= $3.0 * 5 / \text{sqrt}(2.480)$ mW
= 9.54 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.

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