

INTERTEK TESTING SERVICES

RF Exposure

The equipment under test (EUT) is a direct plug-in space heater with 2.4G function operating in 2403-2477MHz. The EUT is powered by DC 3.7V from by inner rechargeable battery. For more detail information pls. refer to the user manual.

2.4G function

Antenna Type: Integral Antenna.

Antenna Gain: 1.0 dBi Max.

Modulation Type: GFSK.

The nominal radiated output power (e.i.r.p) specified: -16.5dBm (Tolerance: +/- 3dB)

The nominal conducted output power specified: -17.5dBm (Tolerance: +/- 3dB)

According to the KDB 447498 D04 V01:

The maximum peak radiated emission for the EUT is 80.5dBμV/m at 3m in the frequency 2440MHz

The EIRP = $[(FS \cdot D)^2 / 30]$ mW = -14.7dBm

which is within the production variation.

The minimum peak radiated emission for the EUT is 76.2dBμV/m at 3m in the frequency 2403MHz

The EIRP = $[(FS \cdot D)^2 / 30]$ mW = -19.0dBm

which is within the production variation.

The maximum conducted output power specified is -14.5dBm = 0.04 mW

The source- based time-averaging conducted output power
= 0.04 mW

1-mW Test Exemption:

Since the source-based time-averaging conducted output power is well below 1-mW Test Exemption, per KDB 447498 D04 V01 and §1.1307 (b) (3) (i) (A), the EUT is considered to comply with SAR requirement without testing and no evaluation is required.