

INTERTEK TESTING SERVICES

RF Exposure

The Equipment Under Test (EUT) is a FIND IT TAG with BLE function operating at 2402-2480MHz. The EUT is powered by DC 3V. For more detailed features description, please refer to the user's manual.

Modulation Type: GFSK

Bluetooth Version: 5.1 BLE (Single Mode)

Antenna Type: Integral Antenna

Antenna Gain: 0dBi Max

The nominal conducted output power specified (BLE): -4dBm (Tolerance: +/- 2dB)

The nominal radiated output power specified (BLE): -4dBm (Tolerance: +/- 2dB)

According to the KDB 447498 D04 Interim General RF Exposure Guidance V01:

The maximum peak radiated emission for the EUT is 92.9dBμV/m at 3m in the frequency 2440MHz

The EIRP = $[(FS \cdot D)^2 / 30]$ mW = -2.3dBm

which is within the production variation.

The minimum peak radiated emission for the EUT is 89.2dBμV/m at 3m in the frequency 2480MHz

The EIRP = $[(FS \cdot D)^2 / 30]$ mW = -6dBm

which is within the production variation.

The maximum conducted output power specified is -2dBm = 0.63 mW

The source-based time-averaging conducted output power
= 0.63 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 Interim General RF Exposure Guidance V01 and §1.1307 (b) (3) (i) (A), the EUT is considered to comply with SAR requirement without testing and no evaluation is required.