

INTERTEK TESTING SERVICES

RF Exposure

The Equipment Under Test (EUT) is ONN.SELFIE TRIPOD with Bluetooth functions. The EUT is powered by DC 3V by battery. For more detailed features description, please refer to the user's manual.

Bluetooth Version: 5.2 BLE

Antenna Type: PCB Layout Antenna.

Antenna Gain: -0.12 dBi max.

Modulation Type: GFSK

The nominal conducted output power specified: -16.38dBm (+/-1dB)

The nominal radiated output power (e.i.r.p) specified: -16.5dBm (+/- 1dB)

According to the KDB 447498:

The maximum peak radiated emission for the EUT is 79.0dB μ V/m at 3m in the frequency 2440MHz (BLE mode)

The EIRP = $[(FS^*D)^2 / 30]$ mW = -16.23dBm

The minimum peak radiated emission for the EUT is 78.2dB μ V/m at 3m in the frequency 2480MHz (BLE mode)

The EIRP = $[(FS^*D)^2 / 30]$ mW = -17.03dBm

which is within the production variation.

The maximum radiated output power specified is -15.5dBm = 0.03 mW

The source- based time-averaging conducted output power

= 0.03 * Duty factor mW (where Duty Factor ≤ 1)

= 0.03mW

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

= 9.53 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