RF Exposure

The equipment under test (EUT) is a Bliss Foot Massager with BT5.0 (Single Mode) function operating in 2402-2480MHz, The EUT is powered by Adapter(Input: 100-240VAC, 50/60Hz; Output: DC 12V 3A). For more detail information pls. refer to the user manual.

Bluetooth Version: 5.0 BLE
Modulation Type: GFSK
Antenna Type: Integral antenna.
Antenna Gain: 0dBi.
The nominal conducted output power specified: -9dBm (+/-3dB).
The nominal radiated output power (e.i.r.p) specified: -9dBm (+/- 3dB).

According to the KDB 447498:

The maximun peak radiated emission for the EUT is 84.5dBμV/m at 3m in the frequency 2402MHz
The EIRP = [(FS*D) ^2 / 30] mW = -10.73dBm
which is within the production variation.

The minimum peak radiated emission for the EUT is 83.5dBμV/m at 3m in the frequency 2480MHz
The EIRP = [(FS*D) ^2 / 30] mW = -11.73dBm
which is within the production variation.

The maximun conducted output power specified is -6dBm = 0.25 mW
The source- based time-averaging conducted output power
= 0.25 * Duty factor mW (where Duty Factor≤1)
= 0.25 mW

1-mW Test Exemption:

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