

RF Exposure Requirements

Product Description: WIRELESS CONTROLLER HEATED BLANKET

Model No.: TH-2473U&90100, TH-2473U&8490

FCC ID: 2BT29-TH2473

Tx frequency: 433.92 MHz Type of Modulation: AS©K

Antenna Type: Internal Antenna

Nominal rated field strength: 81.38 dBµV/m at 3 meter

Based on the Maximum allowed field strength was 81.38 dBµV/m at 3m in frequency 433.92 MHz, thus;

$$\text{The EIRP} = [(FS * D)^2 * 1000 / 30] = 0.041221 \text{ mW}$$

According to the FCC Part 1.1307(b)(3)(i)(A) and KDB 447498 D04v01, a single RF source is exempt RF device if the available maximum time-averaged power is no more than 1 mW, regardless of separation distance.

DSince 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.