

Radio frequency radiation exposure evaluation: portable devices

1.1 Radio Frequency Exposure Compliance

1.1.1 Electromagnetic Fields

RESULT:

Pass

Test Specification

Test item	: treadmill
Identification / Type No.	: RQBK7, RQBK7-3,RQBK5,RQBK5-A, RQBK5-B,RQBK8,RQBK8-A,RQBK8-B
FCC ID	: 2BDFR-RQBK7
Test standard	: CFR47 FCC Part 2: Section 2.1093 FCC KDB Publication 447498 v06

Measurement Record:

$$\text{EIRP[dBm]} = \text{E[dBuV/m]} - 95.2 = 89.15 - 95.2 = -6.05\text{dBm}$$

Since maximum peak output power of the transmitter is -16.8 dBm $\approx 0.25\text{mW} < 22\text{mW}$.

Hence the EUT is excluded from SAR evaluation according to FCC KDB Publication 447498 D01 General RF Exposure Guidance v06.