

Operational Description

Nike, Inc.

Model: NA0018

FCC ID.: QYUESP11

The device is a radio adapter that plugs into a mobile computing device like an iPod. The adapter communicates with a sensor that fits into an athletic shoe. The sensor measures various physical parameters during the physical activity of the user. This information is transmitted to the adapter using an on-board Bluetooth Low Energy transceiver circuit. The sensor device is filed as FCC ID.: QYUESP12

Modulation: GFSK (Gaussian Frequency-Shift Keying)

Deviation: 250 kHz

Data rate: 1 Mbps

Spectrum Access: The device is a Digital transmission device that also uses Frequency Hopping Spread Spectrum technology to access the radio spectrum. The device was tested as a Digital Transmission System device (DTS).

Transmitted information: The transmitter is data-only

Frequency band: The transmitter on 40 channels between 2402 MHz and 2480 MHz.

Crystal oscillator: 32 MHz