Operational Description

1 FCC 15.203 ANTENNA REQUIREMENTS

The antenna is permanently attached to the PCB. The antenna is internal to the EUT and it is not readily available to be modified by the end user. Therefore it meets the 15.203 Requirement.

2 EUT DESCRIPTION

The Agility Knee communicates over a wireless link with a PC running the Microsoft Windows XP operating system. Future support may include other operating systems and Windows CE (Personal Digital Assistants) based systems. The wireless system is fully configured and there are no user adjustments available for wireless control. The wireless system uses the 2.4MHz frequency band and is compatible with remote Bluetooth™ devices. The PC based software uses the Microsoft operating system for wireless communication. It is not compatible with non-Microsoft drivers or with devices requiring installation of non-Microsoft drivers. The system has been tested with the Belkin™ Bluetooth™ USB adaptor F8T001 version 2.11 and later. This device is a class one Bluetooth device. It is available at many well stocked electronics stores as well as through web retailers. Other adaptors may work but operation is not guaranteed and technical support for other adaptors is not provided at this time. Wireless operation is initiated by insertion of the battery into the Agility Knee.

2.1 Specifications

Transmission Carrier Frequency	2.402 to 2.480 GHz
Modulation Method	GFSK, 1Mbps, 0.5BT Gaussian
Transmission Power:	14.5 dBm EIRP
Bluetooth Hopping	1600 hops/sec, 1MHz channel
Bluetooth Receiving Signal Range	-84 to -20dBm
Bluetooth Receiving IF Frequency	1.5 MHz center frequency