

Application PKL-WBC-1000

Additional Information for the FCC approval of Widcomm Inc.'s BlueConnect

Operating Description

March 26, 2001

Blue Connect is an add-on module designed to be used with a Handspring Visor personal digital assistant. The Blueconnect module contains an Ericsson integrated Bluetooth transceiver component, interface components, and power management. The function of this module is to provide a wireless bi-directional link between a hand held Visor and any other Bluetooth device. The module, Visor, and software work in conjunction allowing a seamless connection that is designed to operate simultaneously with neighboring wireless Bluetooth devices. The Bluetooth topology, concept, and algorithms handle multiple user environments.

The transceiver is implemented at 2.4GHz, 78 one megahertz channels, fast frequency hopping. The antenna is a PCB type inverted-F, is included in the module and cannot be accessed externally. There is no ground provision because it is not necessary for a portable battery powered device. Support IC's internal to the module are Flash memory, a UART with a crystal oscillator at 14.7456MHz, and a power management support IC.