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THE BLUETOOTH WIRELESS SPECIFICATION IS A ROYALTY-FEE STANDARD THAT FUELS INNOVATION IN IDEAS AND ENABLES CREATIVE NEW PRODUCTS. LOW-COST AND POWER EFFICIENT, BLUETOOTH WIRELESS TECHNOLOGY PROVIDES NEW BUSINESS SOLUTIONS AND PRODUCT CAPABILITIES WORLDWIDE.

Unlike many other wireless standards, the Bluetooth wireless specification includes both link layer and application layer definitions for product developers which supports data, voice and content-centric applications. Radios that comply with the Bluetooth wireless specification operate in the unlicensed, 2.4 GHz radio spectrum ensuring communication compatibility worldwide. These radios use a spread spectrum, frequency hopping, full-duplex signal at up to 1600 hops/sec. The signal hops among 79 frequencies at 1 MHz intervals to give a high degree of interference immunity. Up to seven simultaneous connections can established and maintained.

The Bluetooth Specification contains the information necessary to ensure that diverse devices supporting the Bluetooth wireless technology can communicate with each other worldwide. The document is divided into two sections: a Core Specification (Volume I) and Profile Definitions (Volume II).

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