This is one device of a paired transceiver set, one a USB key/stick, the other a battery operated wireless sensor board. This set functions as an engineering demonstration of the Freescale chip set technology and is not intended for final use applications.

The Sensor board (EUT) is an independent battery-operated wireless XYZ accelerometer sensor. When switched on it seeks out its companion USB Key, connects and streams continuous accelerometer readings to a demo program on the host PC.

The EUT is a dual-layer printed circuit board. It contains the basic design of the MC13191 RF transceiver implementing the ZigBee protocols and is connected through an 8-bit MC9S08QG8 microcontroller to the MMA7260Q accelerometer sensor chip. Its sole task is to send data from the MMA7260Q accelerometer via the MC1311 using ZigBee protocols to the companion USB Key ZigBee radio.

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