Wireless Medical Patch for Continuous Temperature Monitoring

Low cost and noninvasive medical patch that continuously monitors temperature and sends alerts to phone when temperature reaches set limit

Things used in this project

Hardware components

	Texas Instruments TMP117 Digital Temperature Sensor	× 1
	Texas Instruments LAUNCHXL-CC2640R2 SimpleLink CC2640R2F BLE LaunchPad	× 1
	Texas Instruments CC2640	× 1
	Arduino UNO	× 1

Software apps and online services

	Texas Instruments Code Composer Studio
	Texas Instruments Sensor Controller Studio
	Texas Instruments SmartRF Studio

Current core body temperature measurement methods are invasive, inaccurate, & potentially expensive. A low cost and noninvasive solution is a medical patch that continuously monitors temperature and sends alerts to phone when temperature reaches threshold. This is made possible with a programmable high-accuracy digital temperature sensor such as Texas Instruments TMP117.