General Description of the Blood Pressure Monitors (1024 & 1200):

The transceiver board in both Blood Pressure (BP) monitor models 1024 and 1200 is the same. It operates at 915.05 MHz and uses Frequency Shift Keying (FSK) modulation to transmit data. The transceiver microcontroller is usually in the sleep state, but has a running internal Real Time Clock (RTC). This sleep state can either be interrupted when it receives new data reading from the BP monitor or when a previously pending reading needs to be sent to a CPH200 Hub. All new data readings sent by the BP monitor are saved onto the EEPROM by the transceiver microcontroller along with the current (real-time) timestamp. After the transceiver has received new data readings it uses a custom RF protocol to transmit the data to the CPH200 Hub.