

July 9, 2008

Differences between Model - Infant Tag (FCC ID: HE7ETG) and Models - Wrist Tag, Umbilical Tag and SeCurAtag

The antenna has been changed from a chip inductor to a wire antenna to make the radiation pattern more isotropic and hence improve the response distance/time of the tag to the controller.

The devices U4A and U3B were removed from the LF receiver circuit since the signal "RD" was not required anymore due to control now coming from the microcontroller.

The high parts count digital circuit was replaced with an MSP430F series microcontroller which allowed for lower general current draw, lower standby current, fast wake-up, and more flexibility to allow the Tag Locating Message (TLM) to be implemented.

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