



Design Changes from Ekahau T301W to Ekahau W4 tag

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A handwritten signature in blue ink, appearing to read "Srdjan Malbasic", written over a light blue horizontal line.

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Changes in Ekahau W4 patient tag

This document describes list of changes to HW, SW and mechanical design to Ekahau T301W patient tag to create Ekahau W4 patient tag. W4 has been pure mechanical exercise with new industrial design and mechanical solutions. Changes to HW and SW were minimal and described below.

HW Changes

In hardware design, activation switch S2 has been removed from design (not mounted in W4) and activation function has been moved to switch S1. In addition jumper wire was soldered from S2 switch pads to external galvanic connection for wristband tamper functionality (See Fig.1 in separate document which is confidential). No other changes have been made to any other part of HW including RF path

Summary:

- Physical side button has been removed.
- The circuitry used for the side button is being reused for detecting whether the optional conductive wristband is opened
- The optional conductive wristband will be connected to the metallic contacts on the side of the plastic housing.

SW changes

- Tag activation and deactivation is done using the main button (S1 switch), instead of now not mounted side button (Switch S2).
- Tag will detect whether the optional conductive wristband is being opened, and will issue an alarm.

Mechanical design and changes

Product industrial design has changed (See Fig. 2). Detailed mechanical design can be seen in Fig. 3 and Fig.4 (separate confidential document of changes) .



Fig.2



Fig.3.



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