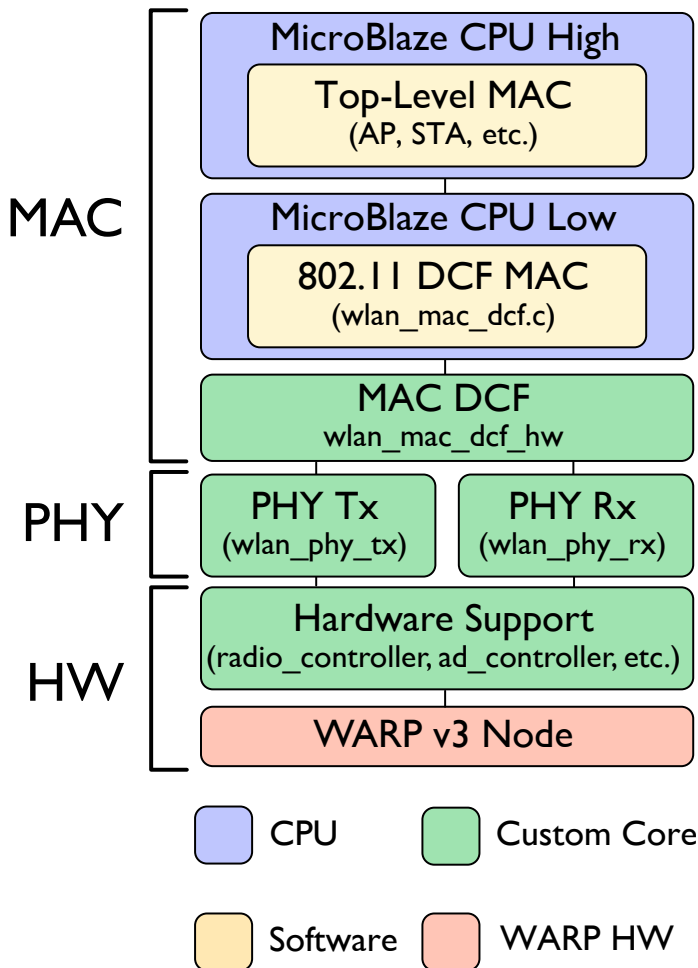


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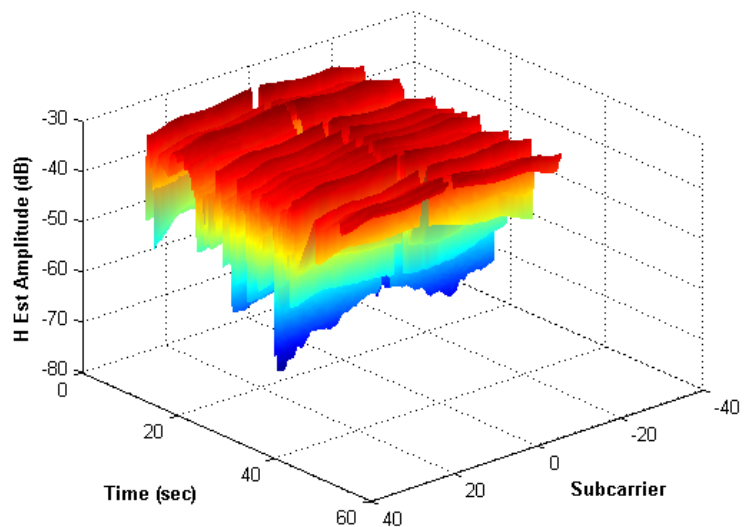
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## 802.11 REFERENCE DESIGN

- **Real-time 802.11 MAC and PHY** on Mango WARP v3 hardware
  - PHY implemented in Xilinx System Generator
  - MAC implemented in dual MicroBlaze
- Code & models **open-source** @ <http://mangocomm.com/802.11>



The design interacts with commercial 802.11 devices



Custom experimental framework allows deep visibility into MAC and PHY behaviors at runtime, including per-subcarrier, per-packet channel estimates.

802.11 Reference Design architecture