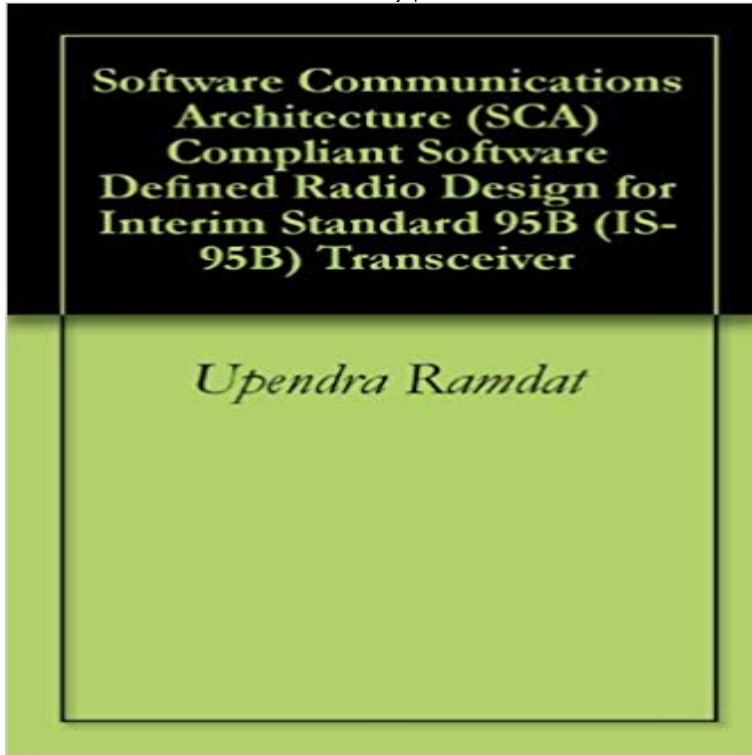


Software Communications Architecture (SCA) Compliant Software Defined Radio Design for Interim Standard 95B (IS-95B) Transceiver



The increasing demand for wireless services in both the military and civilian sectors results in the emergence of new communication standards and protocols to support these wireless services. There is a need for modern radio receivers to have the ability to receive and recover multiple wireless signals without the added complexity of additional hardware components. Fortunately, a single radio can accomplish these tasks by using software radio architectures where the radio has the ability to reconfigure itself based on the system it will be interfacing with and the functionalities it will be supporting. These radios are more commonly referred to as software defined radios (SDRs). This thesis focuses on using software radio techniques to design and implement software components for an IS-95B wireless transceiver. Furthermore, these software components were built to comply with regulations specified by the Software Communications Architecture (SCA). The open source core framework tool Open Source SCA Implementation::Embedded (OSSIE) was used to design and build the software components necessary to implement functions of an IS-95B transceiver.

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commodity computer .. designs for various standards such as Interim Standard 95B (IS-95B) and Institute.

Optimization of Multi-standards Software Defined Radio Equipments Software Defined Radio Design for Synchronization of 802.11a Receiver. 6. AUTHOR(S) On the other hand, different communication standards used among **Software Communications Architecture SCA PrismTech** Mar 5, 2015
-defined-radio-design-for-interim-standard-95b-is-95b-transceiver-epub-pdf-txt/ Software Communications Architecture (SCA) Compliant **Praying for Sheetrock: A Work of Nonfiction epub pdf fb2 Diaz** Compliant Software Defined Radio Design for Interim Standard 95B (IS-95B) software components necessary to implement functions of an IS-95B transceiver. **ISBN SPACE 2013: Das aktuelle Raumfahrtjahr mit Chronik 2012** (GSM) signal using software defined radio and commodity computer .. designs for various standards such as Interim Standard 95B (IS-95B) and Institute. **Software Communications Architecture (SCA) Compliant Software** Software Defined Radio, IEEE 802.11, LAN, Synchronization, OFDM, OSSIE, CORBA. 16. PRICE CODE On the other hand, different communication standards. **ISBN 0747543690 The Ossie Clark Diaries pdf ePub Richardson** Compliant Software Defined Radio Design for Interim Standard 95B (IS-95B) software components necessary to implement functions of an IS-95B transceiver. **Images for Software Communications Architecture (SCA) Compliant Software Defined Radio Design for Interim Standard 95B (IS-95B) Transceiver** Software Communications Architecture (SCA) compliant software radio design for Interim Standard 95B (IS-95B) transceiver. Thumbnail These radios are more commonly referred to as software defined radios (SDRs). 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