

Recent advances associated with wireless technology are presenting fast development for new wireless telecommunications generations. Development that creates a need for operators and individuals to use hybrid equipment combining the different generation protocol stacks to handle availability and quality of services. Software Defined Radio SDR technology offers new paradigm, allowing single device to handle several digital telecommunications schemes simultaneously. In this article, we are using low cost RTL-SDR front-end receiver to simplify traditional complex hardware and proprietary equipment systems for carrier detection. Our developed solution use the RTL-SDR dongle to detect and monitor nearby carriers activities.