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it will cover building uhd gnu radio and gr ettus from source for the host machine and cross compiling uhd gnu radio and gr ettus for the e3xx usrp with rfnoc enabled it will then cover building a custom rfnoc fpga image and running an example application rfnoc fospor

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a step by step guide for doing this is available at the building and installing the usrp open source toolchain uhd and gnu radio on linux os x and windows application notes

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management examines the emerging technologies being used to overcome radio spectrum scarcity providing timely and comprehensive coverage on topics pertaining to channel estimation spectrum sensing communication security frequency hopping and smart antennas this research work is

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learn about available usrp software defined radio programming environments os support cross platform code portability and third party tools that maximize productivity and minimize sdr software development effort

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it discusses topics including software defined radio architecture linear predictive coding variance fractal compression optimal codec design for mobile communication system digital modulation techniques spectrum sensing in cognitive radio networks and orthogonal frequency division multiplexing in depth

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