



REVIEW ARTICLE

NOISE ALIASING TECHNIQUE FOR SOFTWARE DEFINED RADIO: A REVIEW

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Abstract— *In communication the signals area unit processed by the sampling devices while not loss of data. As associate in nursing interface between radio front-ends and digital signal process blocks. Digital radio communications completed by sampling devices. In the idea of software defined radio, radio systems area unit that mixes analog, digital and software technology. One goal of software defined radio is to place the analog to digital convertor as nearest as double to the antenna. Band pass sampling allows one to own an interface between the radio frequency or the upper intermediate frequency signal and also the analog to digital convertor, and it might be an answer to software defined radio. Three types of sources perform degradation present in harmful signal spectral overlapping, noise aliasing, rate systems and sampling temporal order noise. In this Research Paper, Optimized Construction BandPass Sampling (OCBPS) is completely studied with specialise in the noise aliasing drawback in software defined Radio.*

Keywords: - AA-Anti-Aliasing; A/D- Analog-to-Digital; BER-Bit Error Rate; BK-Basis-Kernel; CDMA-Code Division Multiple Access; CF-Continuous-Frequency

Full Text: <http://www.ijcsmc.com/docs/papers/September2013/V2I9201369.pdf>