



UNIVERSITY OF BEER

FINAL YEAR PROJECT

Lager brewing techniques

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Abstract

Target: Sense the presence of calls going on in the primary OpenBTS and as soon as the call drops/ends start the secondary OpenBTS to enable communication among secondary users

Details:

We sensed the energy of the uplink frequency (usually — uplink freq = downlink freq - 45MHz — in the GSM900 band) using GnuRadio. We observed the energy of the uplink frequency is lower when there are no calls. We selected a threshold energy level and let the secondary OpenBTS start as soon as the primary OpenBTS's energy level went below threshold.

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Chapter 1

OpenBTS

1.1 Introduction

Chapter 2

GnuRadio

2.1 Introduction

GnuRadio is a software blah blah blah!