

# Stereo Radio Signals

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EE 4361 — INTRO TO DIGITAL SIGNAL PROCESSING

***Abstract*—Overall, In this lab overall familiarity with the key parameters and performance of practical RF mixer was gained. The importance of Conversion Loss was shown to be of tantamount significance. The non idealities of mixer's was evident through these precise lab measurements.**

## I. INTRODUCTION

**T**HIS lab utilizes the spectrum analyzer, signal generator, and VNA acting as a signal generator to determine the conversion loss of the mixer under test. The VNA is also used to characterize the Mixer's Return Loss. An important aspect of this lab entails accounting for the cable loss present between the signal generator and the mixer LO. This Loss is calculated given the direct measurement with the spectrum analyzer.

## II. PROCEDURE

## III. DISCUSSION AND SUMMARY

### APPENDIX A

### PRE-LAB