

Minimum Shift Keying Trainer Kit

Introduction

Minimum Shift Keying (MSK) Trainer kit comprises of detailed process of MSK techniques of sending Data. One will get the knowledge of the basic mechanism used in the MSK. It is the modified version of Orthogonal Quadrature Shift Keying (OQPSK). MSK Successfully removed the problem of nonlinear distortion due to abrupt phase change occurs in OQPSK. MSK is the combination of phase and frequency shift keying.

Key Features

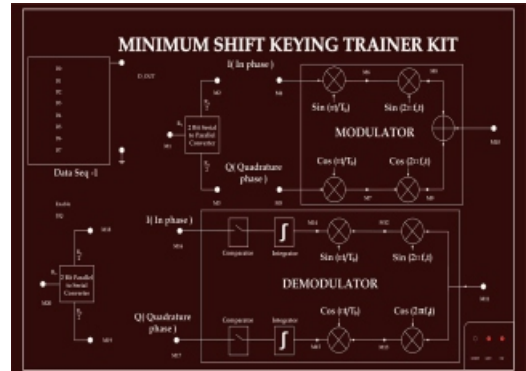
- MSK Modulation and Demodulation
- Two bit serial to parallel and parallel to serial converter
- Facility for various test points must be provided.
- Selectable data generator

Technical Specification

- Concept circuit diagrams are printed on board
- LED Indication for Data Sequence switches
- Test point facility to measure & observe output signals.
- Consist of 15 Test Points.
- Based on Xilinx Spartan 3E FPGA
- 8MB SPI Flash for FPGA reconfiguration
- Power supply with +3.3V,+ 5V
- 8MHz Crystal oscillator.

Experiments

- Study of Two bit serial to parallel converter and parallel to serial converter.
- Study of MSK Modulation and Demodulation Technique.



All The Technology You need

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