

Virtual Lab Report (QPSK Waveform)

Experiment No: 1

Date: Fri Apr 17 21:11:54 IST 2020

Name: Souvik Biswas

Email: sbis1999@gmail.com

INPUTS:

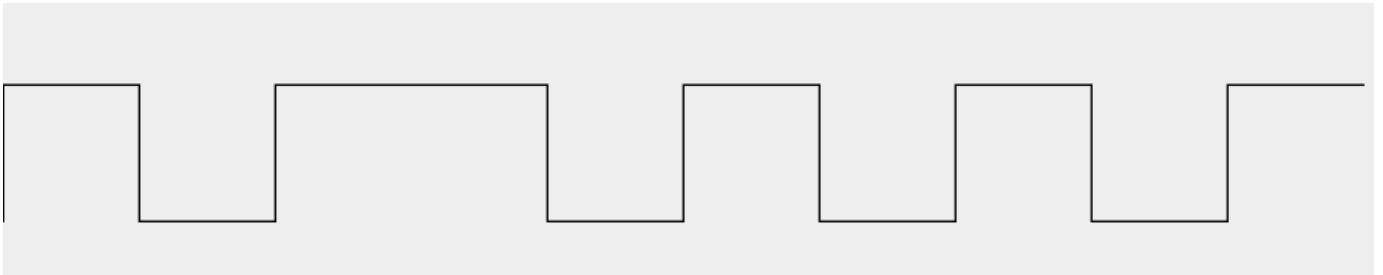
Binary Data Stream: 1011010101

Frequency: 20

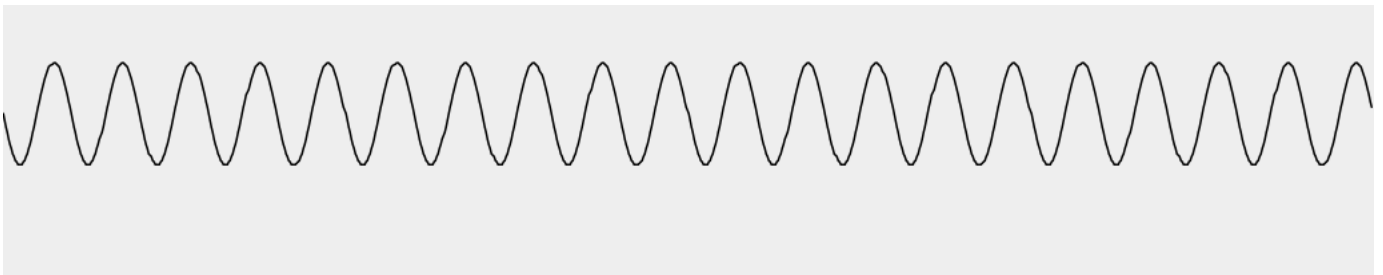
Peak-to-Peak Amplitude: 3

WAVES

Digital Data Waveform

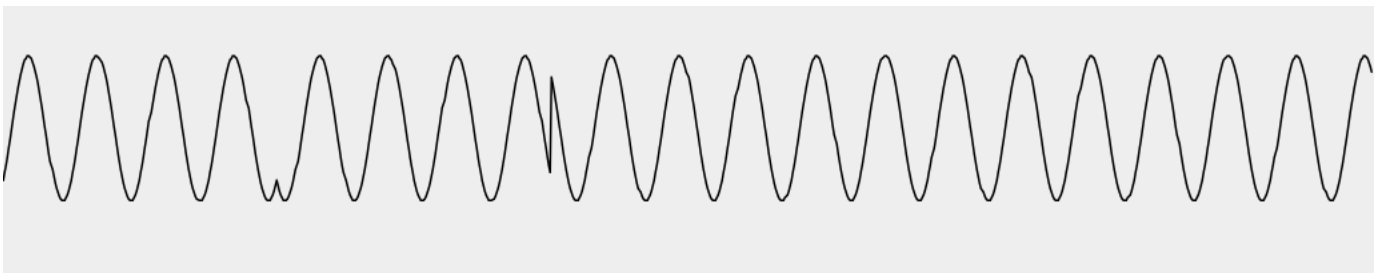


Carrier Waveform



OUTPUTS:

Modulated QPSK Waveform



Experiment No: 2

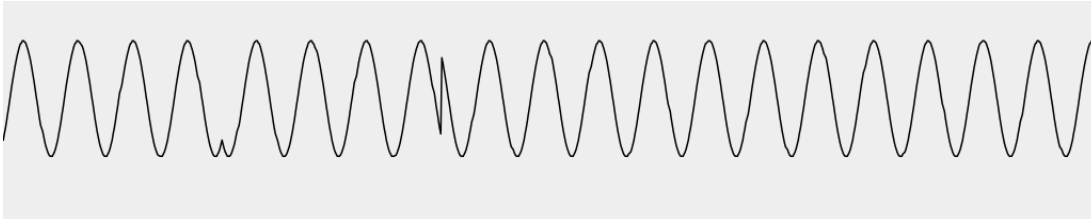
Date: Fri Apr 17 21:13:27 IST 2020

Name: Souvik Biswas

Email: sbis1999@gmail.com

INPUT:

QPSK Waveform



OUTPUTS:

Binary Data Stream: 1011010101

Frequency: 20

Peak-to-Peak Amplitude: 3

WAVES

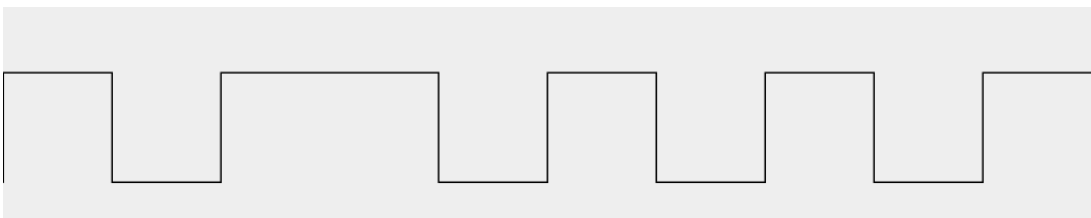
BPSK I-Channel Waveform



BPSK Q-Channel Waveform



Demodulated Digital Data Waveform



Experiment No: 3

Date: Fri Apr 17 21:19:49 IST 2020

Name: Soumi Bardhan

Email: soumibardhan10@gmail.com

INPUTS:

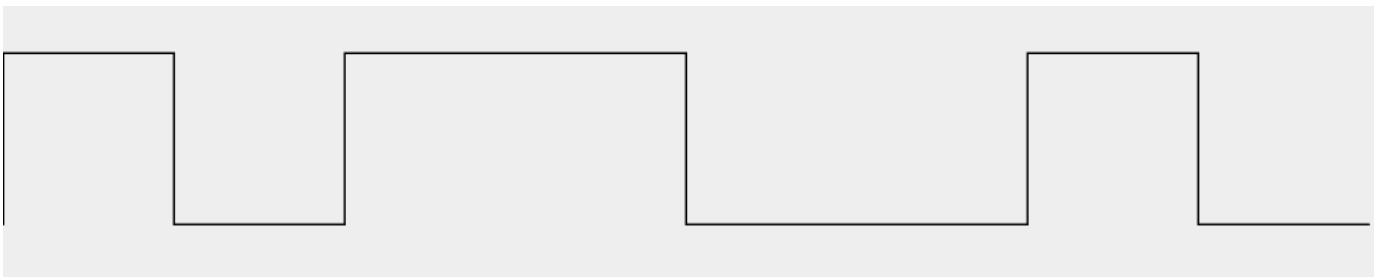
Binary Data Stream: 10110010

Frequency: 25

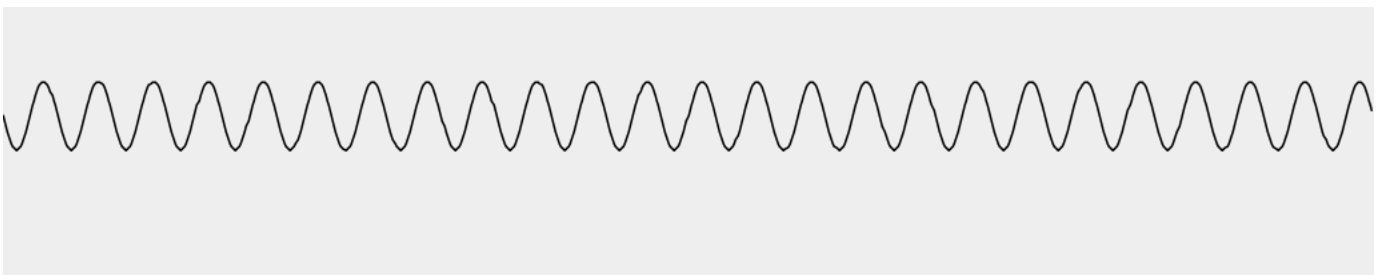
Peak-to-Peak Amplitude: 2

WAVES

Digital Data Waveform

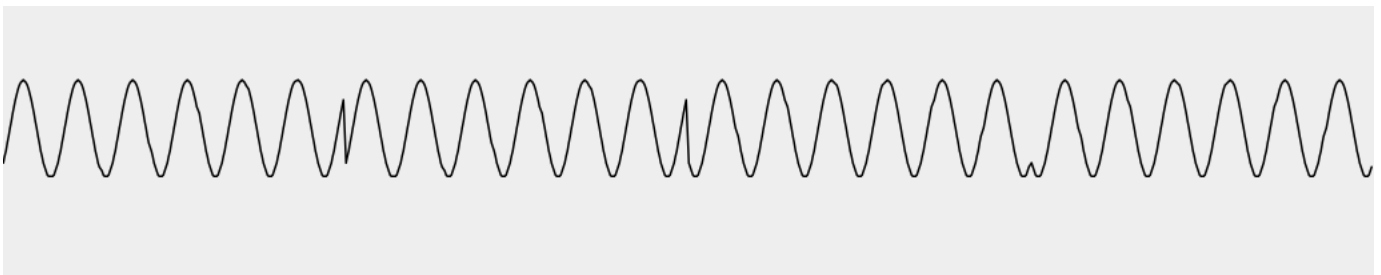


Carrier Waveform



OUTPUTS:

Modulated QPSK Waveform



Experiment No: 4

Date: Fri Apr 17 21:22:37 IST 2020

Name: Soumi Bardhan

Email: soumibardhan10@gmail.com

INPUTS:

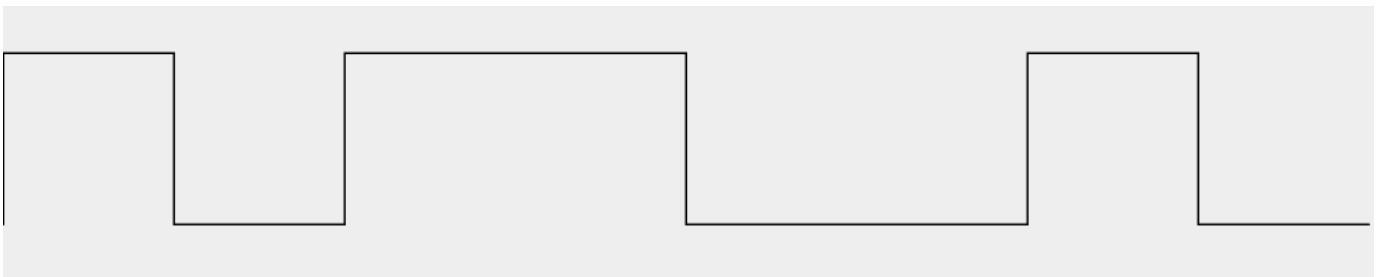
Binary Data Stream: 10110010

Frequency: 25

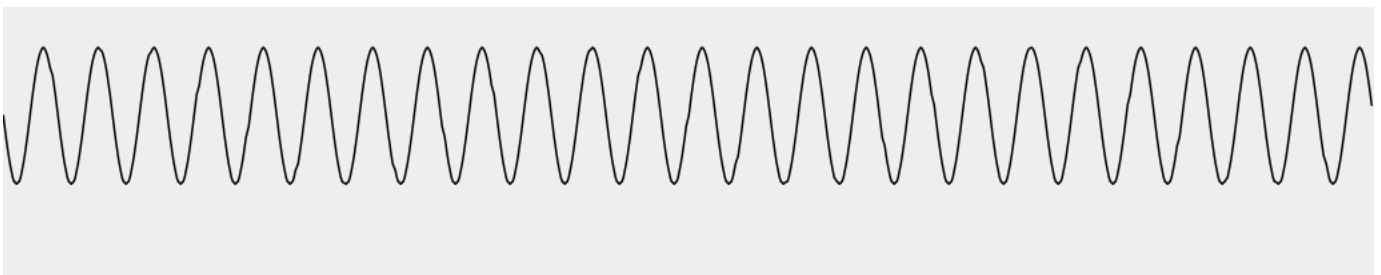
Peak-to-Peak Amplitude: 4

WAVES

Digital Data Waveform



Carrier Waveform



OUTPUTS:

Modulated QPSK Waveform

