Options
Title: Simulate OOK decoding
Output Language: Python
Generate Options: QT GUI

Variable
ID: samp_rate
Value: 1M

Variable
ID: freq
Value: 223k

Variable
ID: samps_per_sym
Value: 64

Vector Source
Vector: (0, 1, 0, 1, 0, 1,...
Tags:
Repeat: Yes

out → in **Repeat**
Interpolation: 64 out

Multiply
in0
in1
out

QT GUI Time Sink
Name: Transmitted signal
Number of Points: 3k
Sample Rate: 1M
Autoscale: No
in

QT GUI Time Sink
Name: Received signal
Number of Points: 3k
Sample Rate: 1M
Autoscale: Yes
in

Complex to Mag
in out

Keep 1 in N
in out

Signal Source
Sample Rate: 1M
Waveform: Cosine
Frequency: 223k
Amplitude: 1
Offset: 0
Initial Phase (Radians): 0
cmd
out

Throttle
Sample Rate: 1M
in out

QT GUI Time Sink
Name: Received bits
Number of Points: 70
Sample Rate: 1M
Autoscale: No
in