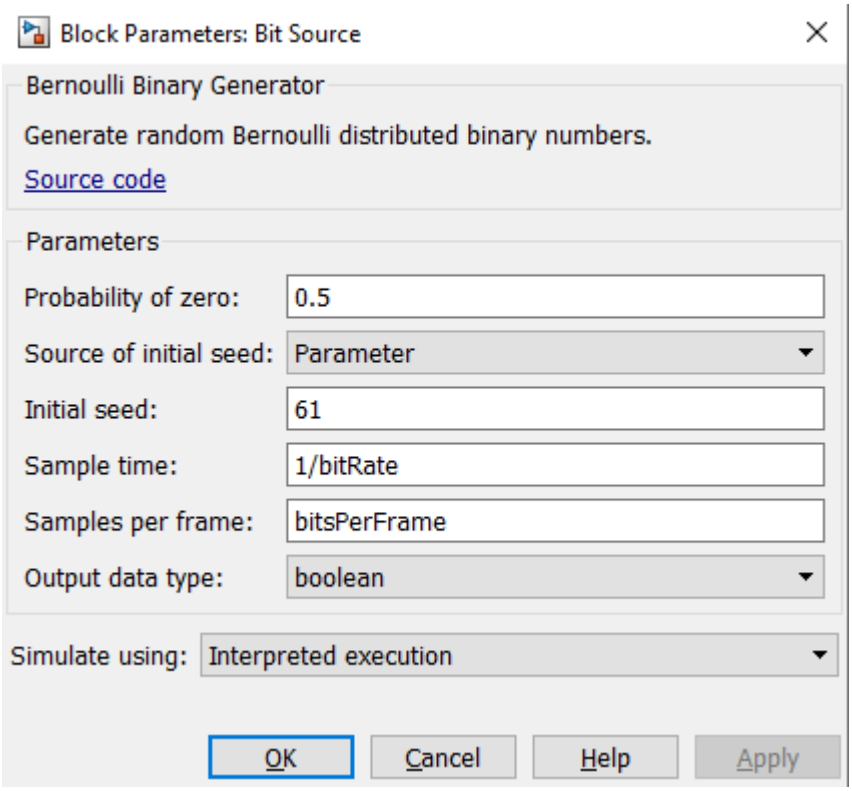
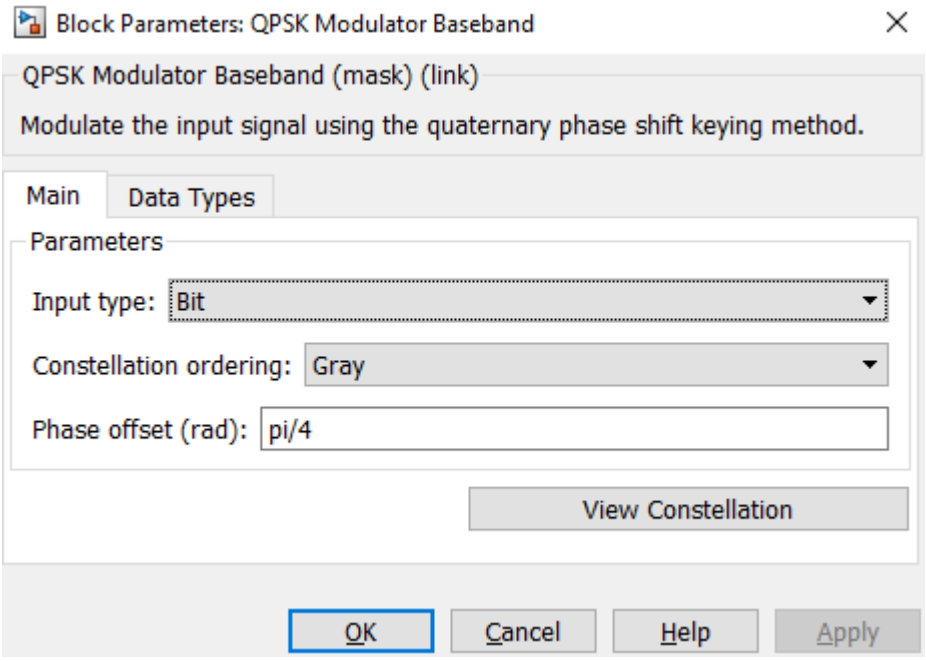
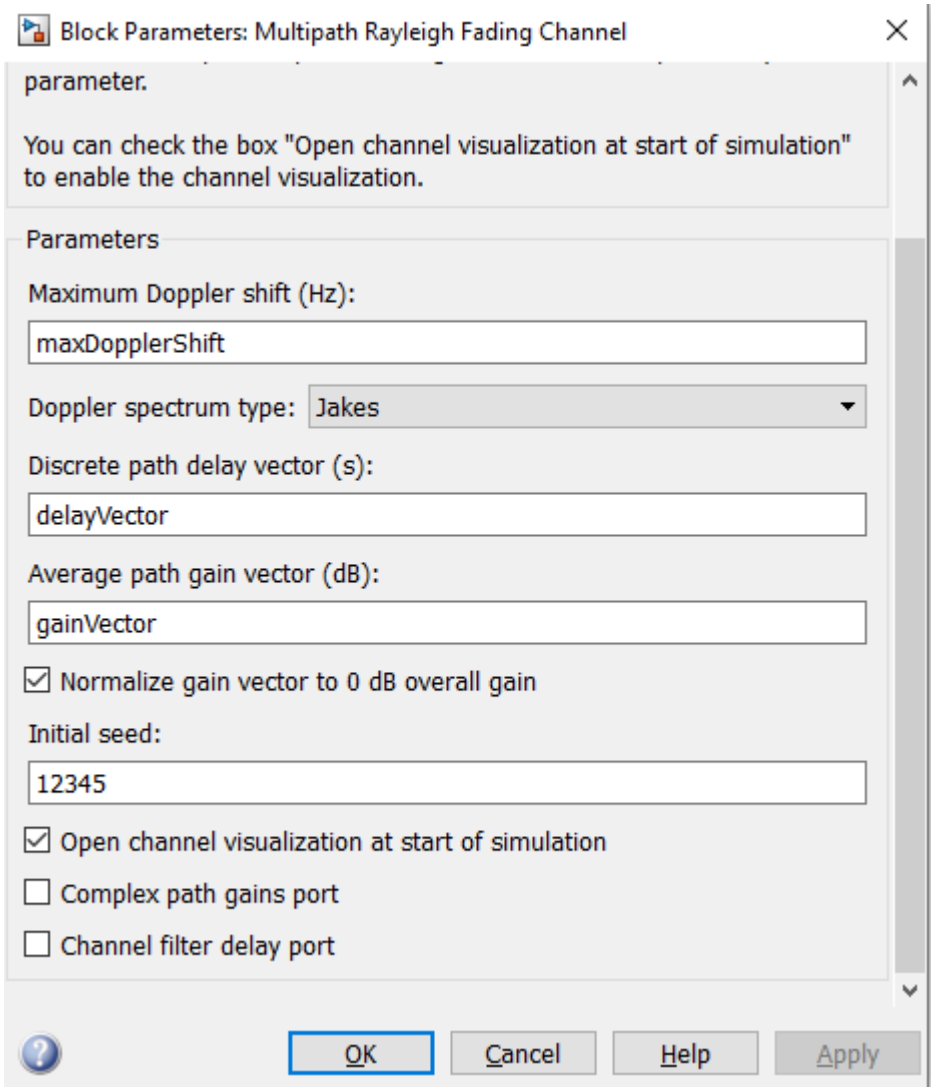
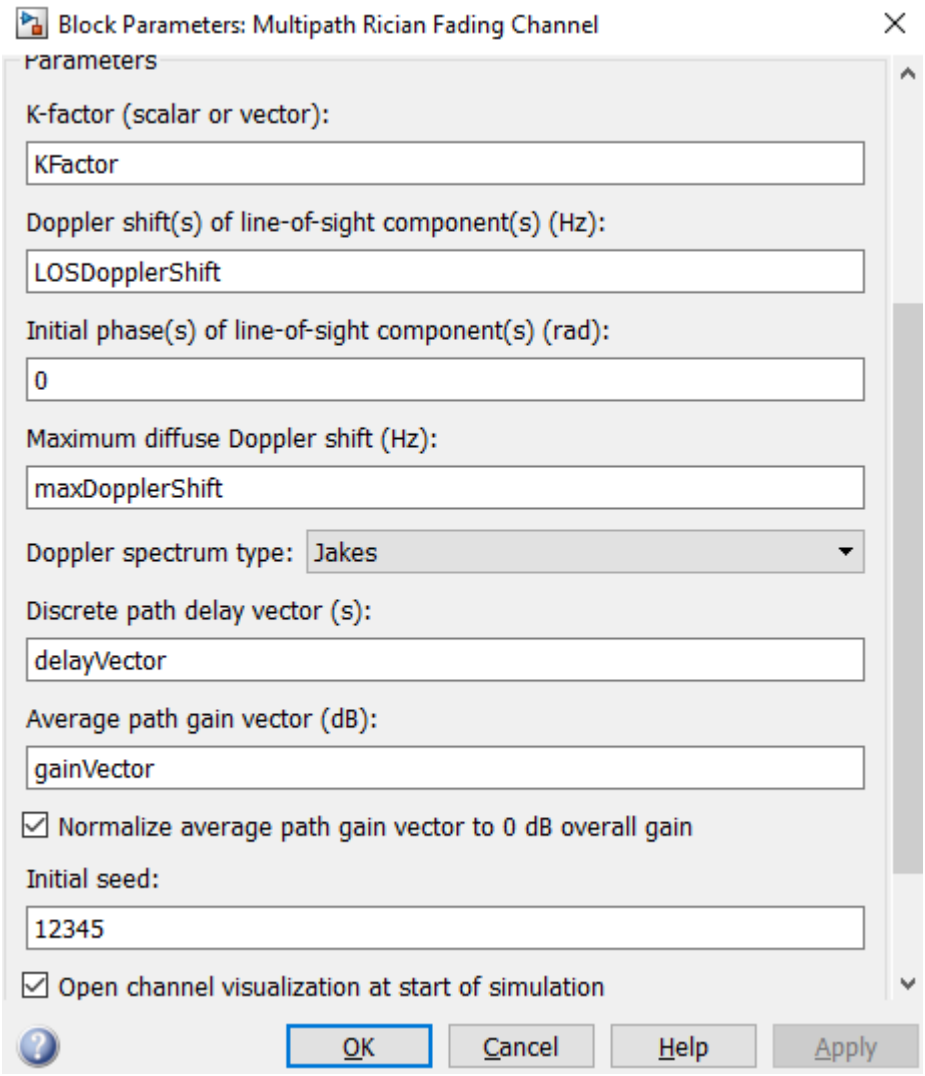

Block Parameters: Bit Source
Bernoulli Binary Generator
Generate random Bernoulli distributed binary numbers.
Source code
Parameters
Probability of zero:
0.5
Source of initial seed:
Parameter
Initial seed:
61
Sample time:
1/bitRate
Samples per frame:
bitsPerFrame
Output data type:
boolean
Simulate using:
Interpreted execution
OK
Cancel
Help
Apply


Block Parameters: QPSK Modulator Baseband
QPSK Modulator Baseband (mask) (link)
Modulate the input signal using the quaternary phase shift keying method.
Main
Data Types
Parameters
Input type:
Bit
Constellation ordering:
Gray
Phase offset (rad):
pi/4
View Constellation
OK
Cancel
Help
Apply


Block Parameters: Multipath Rayleigh Fading Channel
parameter.
You can check the box "Open channel visualization at start of simulation" to enable the channel visualization.
Parameters
Maximum Doppler shift (Hz):
maxDopplerShift
Doppler spectrum type:
Jakes
Discrete path delay vector (s):
delayVector
Average path gain vector (dB):
gainVector
Normalize gain vector to 0 dB overall gain
Initial seed:
12345
Open channel visualization at start of simulation
Complex path gains port
Channel filter delay port
OK
Cancel
Help
Apply



Discrete Time Scatter Plot Scope Settings

Samplespersymbol =1

Offset=0

Pointsdisplayed=bitsPerFrame/2

Newpoints per display = bitsPerFrame/2