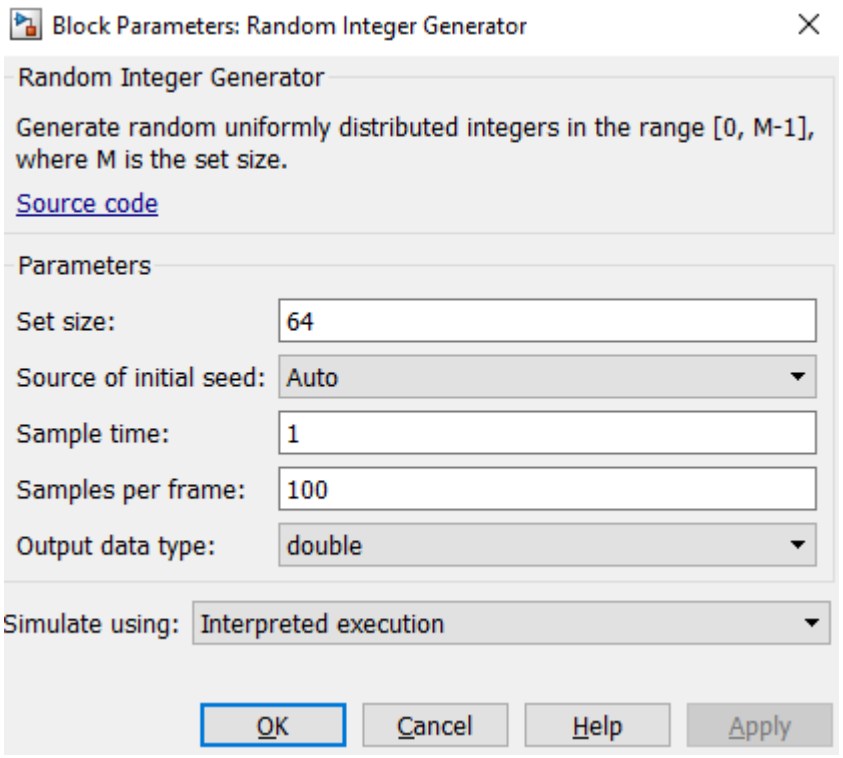
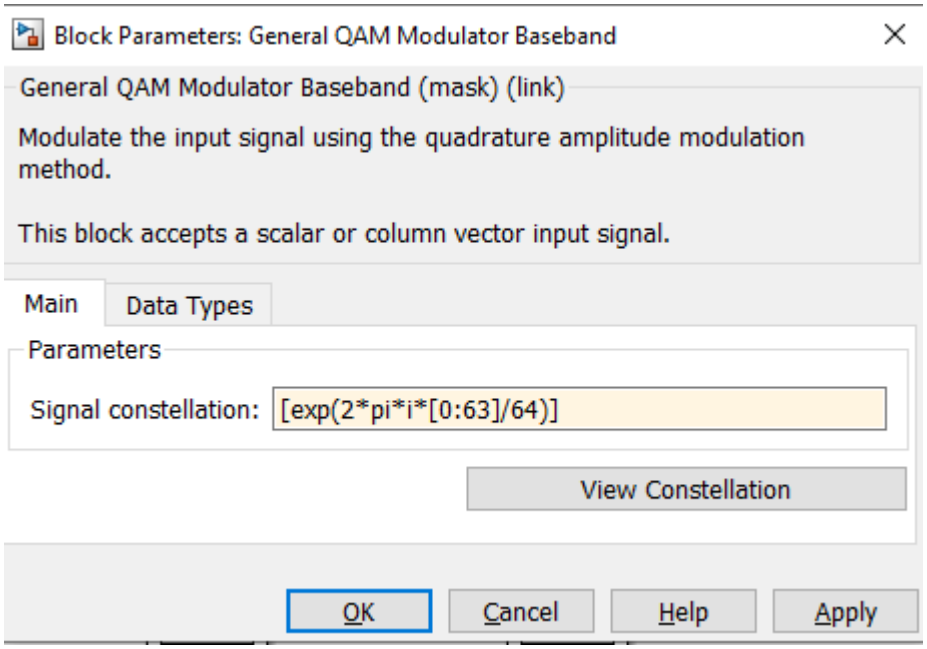
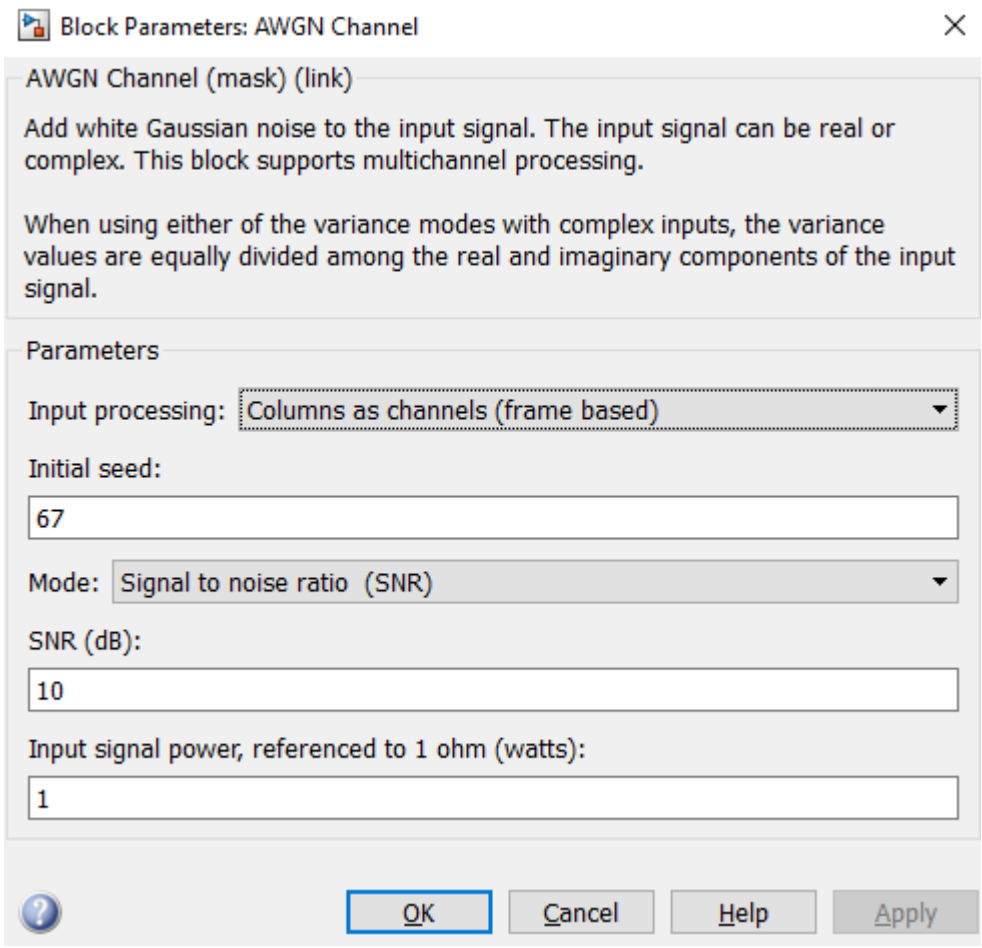

Block Parameters: Random Integer Generator
Random Integer Generator
Generate random uniformly distributed integers in the range [0, M-1], where M is the set size.
Source code
Parameters
Set size:
64
Source of initial seed:
Auto
Sample time:
1
Samples per frame:
100
Output data type:
double
Simulate using:
Interpreted execution
OK
Cancel
Help
Apply


Block Parameters: General QAM Modulator Baseband
General QAM Modulator Baseband (mask) (link)
Modulate the input signal using the quadrature amplitude modulation method.
This block accepts a scalar or column vector input signal.
Main
Data Types
Parameters
Signal constellation:
[exp(2*pi*i*[0:63]/64)]
View Constellation
OK
Cancel
Help
Apply


Block Parameters: AWGN Channel
AWGN Channel (mask) (link)
Add white Gaussian noise to the input signal. The input signal can be real or complex. This block supports multichannel processing.
When using either of the variance modes with complex inputs, the variance values are equally divided among the real and imaginary components of the input signal.
Parameters
Input processing:
Columns as channels (frame based)
Initial seed:
67
Mode:
Signal to noise ratio (SNR)
SNR (dB):
10
Input signal power, referenced to 1 ohm (watts):
1
OK
Cancel
Help
Apply