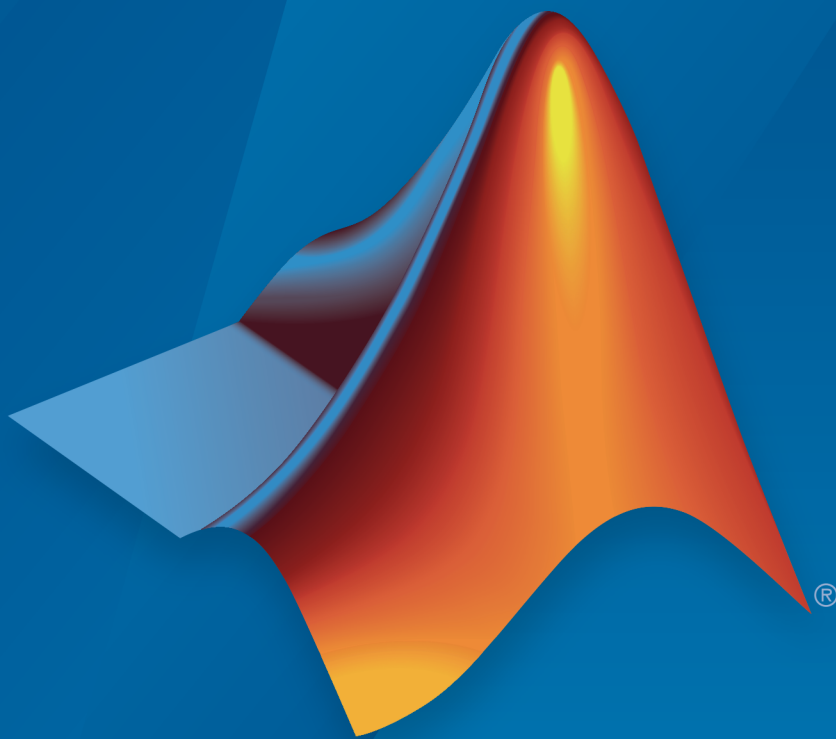


WLAN System Toolbox™ Release Notes



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The MathWorks, Inc.
3 Apple Hill Drive
Natick, MA 01760-2098

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R2015b+

Version: 1.0

New Features

IEEE 802.11ac and 802.11b/a/g/n standard-compliant physical layer models

WLAN System Toolbox™ provides standard-compliant functions for the design, simulation, and verification of IEEE® 802.11™ b/a/g/n/ac communications systems.

Very high throughput (VHT), high throughput (HT-mixed), and legacy (non-HT) waveform generation

WLAN System Toolbox provides 802.11 standard-compliant waveform generation for VHT, HT, and non-HT formats.

For more information, see “Waveform Generation” and “Signal Transmission”.

Channel coding, modulation (OFDM, DSSS, CCK), spatial stream mapping, and MIMO receivers

WLAN System Toolbox provides 802.11 standard-compliant functions for individual preamble field creation and decoding, OFDM demodulation and channel estimation, carrier frequency offset estimation, and data recovery. Single input single output (SISO) and multiple input multiple output (MIMO) antenna configurations are supported.

For more information, see “Waveform Generation” and “Signal Reception”.

Channel models, including TGac and TGn

WLAN System Toolbox provides channel models described by the TGn and TGac task groups. For more information, see “WLAN Channel Models” and “Propagation Channel”.

Measurements including channel power, spectrum mask, EVM, PER, and occupied bandwidth

WLAN System Toolbox examples show how to measure signal characteristics and system performance.

Waveform transmission and reception with radio devices and instruments

When coupled with a radio hardware support package, WLAN System Toolbox functions enable transmission and reception of packet contents with radio devices and instruments.

C code generation support

All WLAN System Toolbox functions support C code generation. Also, you can access the underlying code to customize the algorithms and functions.

