SIGLENT®

SigIQPro

PC Waveform Signal Generation

SIMPLE AND FAST SIGNAL GENERATION

SigIQPro is a flexible PC-based signal generation software that takes signal generation to a whole new level. SIGLENT instruments and SigIQPro signal generation software integrate simulation, design and test to easily meet the needs of users at all stages of design, R&D, and production.

TRY BEFORE YOU BUY!

30 free trials for each feature

Deep insight and efficiently configure fully parameterized signal

Tree view intuitively navigates signal structure

Visualization of simulation results of generated signals

PC

SIGLENT Signal Generator

GPIB/USB/LAN
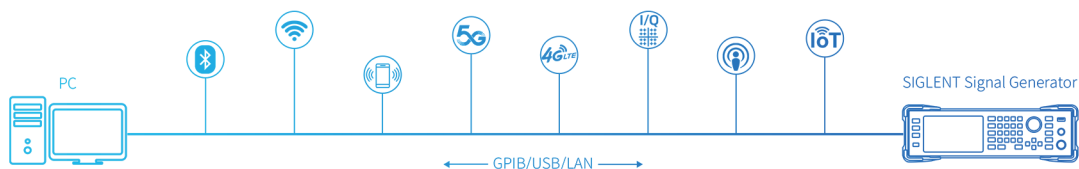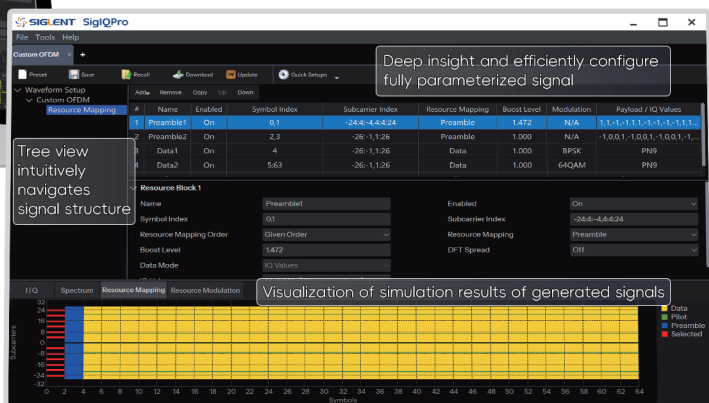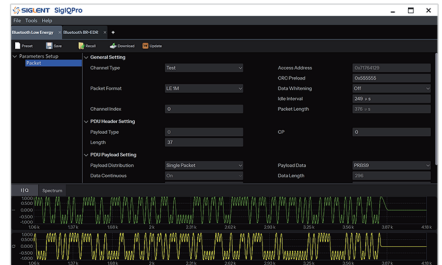
A COMPREHENSIVE TESTING SOLUTION

Bluetooth

· Create signals for BR, EDR, LE specifications
· Support 2 Ms/s symbol rate for higher data rate
· Basic and enhanced data rate modulated data streams
· Fully-coded Bluetooth packets with 2-DHx, 2-EVx, 3-DHx, and 3-EVx packet types

IoT (Internet of Things)

· A principally outdoor, low data rate wireless network
· Typically employ mesh or peer-to-peer multi-hop technology to communicate with an access point
· Create signals for IEEE 802.15.4 SUN FSK and for IEEE 802.15.4 SUN OFDM specifications
· Create signals for IEEE 802.15.4 O-QPSK / BPSK ZigBee and ITU-T G.9959 FSK / GFSK Z-Wave specifications
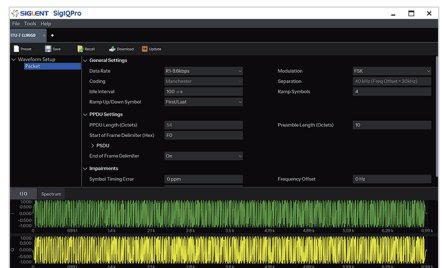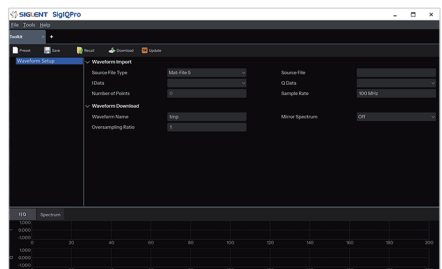
Custom Modulation
(Custom IQ and Custom OFDM)

· Custom IQ and Custom OFDM, including Digital modulation, Custom modulation, Multitone and LFM sweep
· Modulation Format:
  2ASK, PR-ASK, 2FSK, 4FSK to 16FSK, MSK, 8QAM, 16QAM to 4096QAM, BPSK, OQPSK, QPSK, 8PSK, DBPSK, DQPSK, D8PSK, PI/4-DQPSK, PI/8-D8PSK, 16APSK, 32APSK
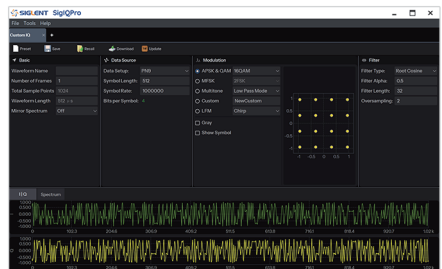
Toolkit

· A file conversion tool, compatible with conversion of various data formats
· Export waveform files (*.arb), project file (*.project) or state files (*.state)
· Import SIGLENT encrypted waveforms (*.arb) or user defined waveforms (*.txt/.csv/.dat, *.mat, *.project, *.state, etc)