Overview over 5G simulation tool

In general:

Symbols are inputted and a 5G channel is emulated to produce output symbols.

# Symbol generator (Non-important)

Input:

* Bits, scheme

Output:

* IQ symbols

Structure

* Process bits in sets matching scheme
  + For simplicity only QPSK is made
* Calculate IQ symbol based on bit sets

# Waveform generator (Important)

Input:

* Channel structure
  + Number of sub carriers
  + Bandwidth of sub carriers

Output:



Missing info

# Channel (Important)

Input:



Output:



Missing info

# Waveform decoder (Important)

Input:



Output:



Missing info

# Symbol degeneration (Non-important)

Input:



Output:



Missing info