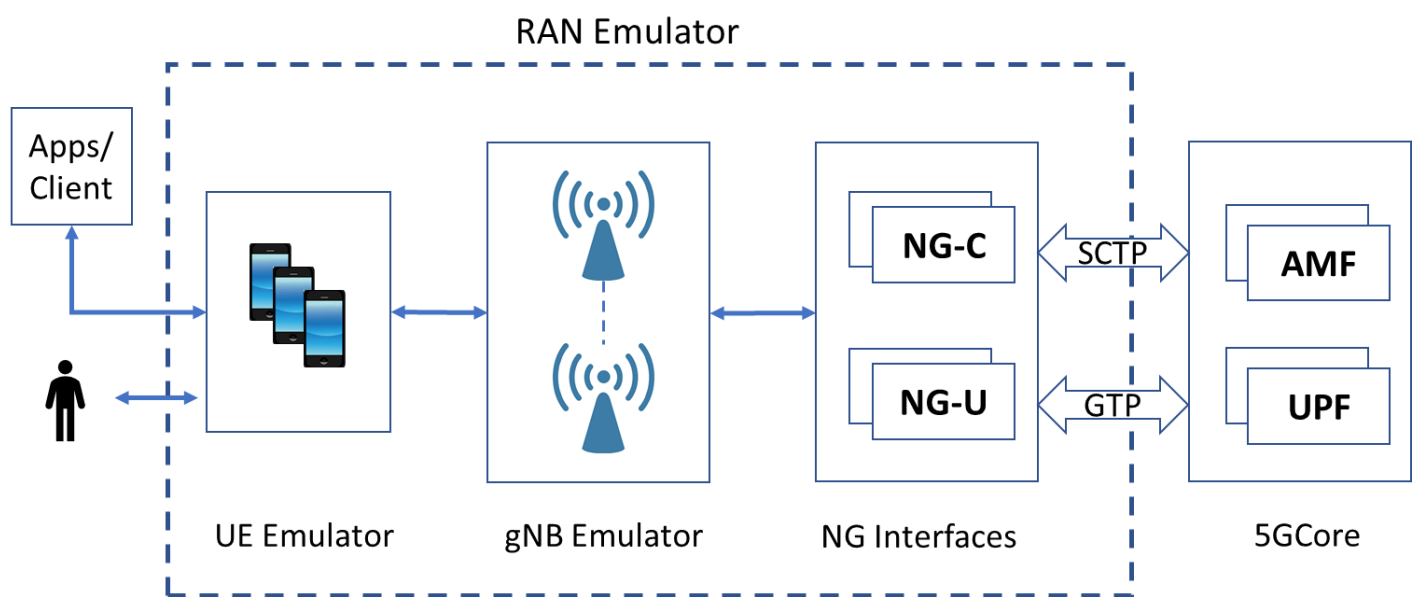


RAN Emulator

An Advanced Test tool for End to end 5G Network Testing

RANEMU - A powerful and versatile tool that can be used for 5G network testing, specifically Non-Access Stratum related features and modules.



Uses of RAN Emulator



RANEMU can be used for various types of tests to be conducted on the 5G Network components.

- Functional Test of 5G Core
- Data load test covering the components from UE to 5G Core
- Testing of procedures and signalling load
- Various error conditions
- Running application data over the 5G Network components

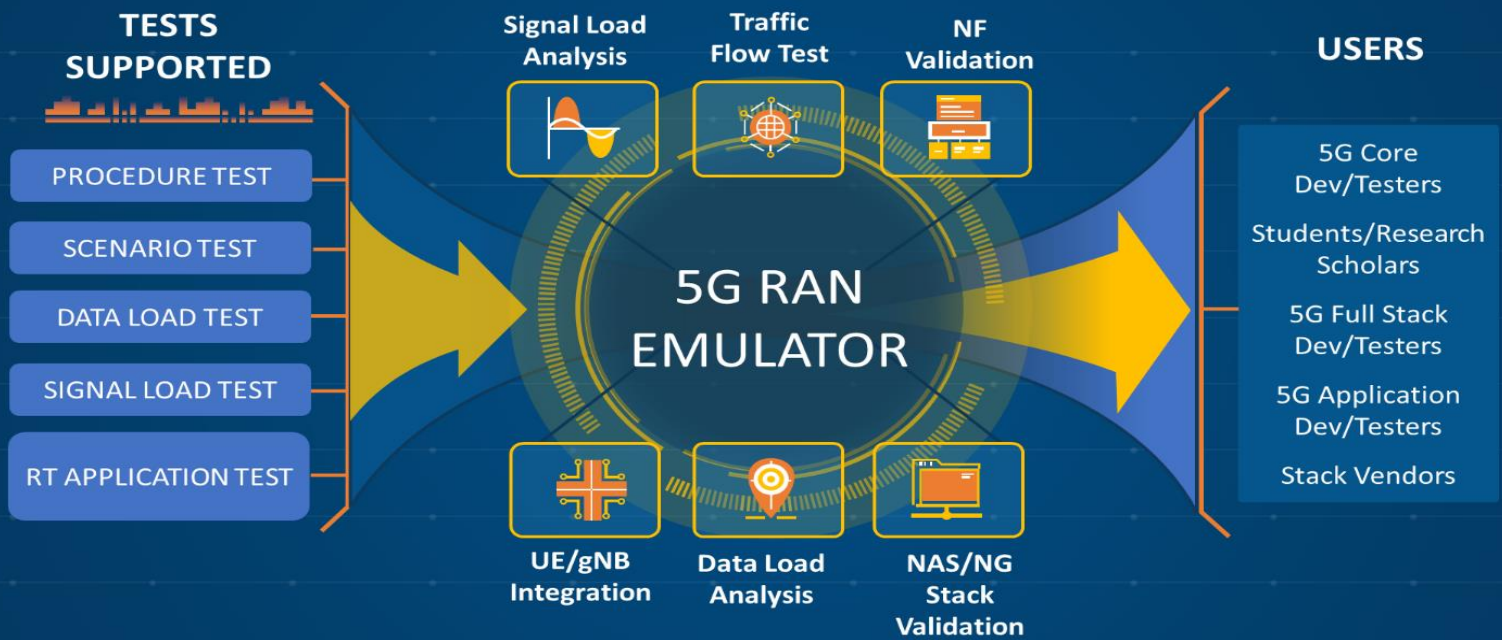
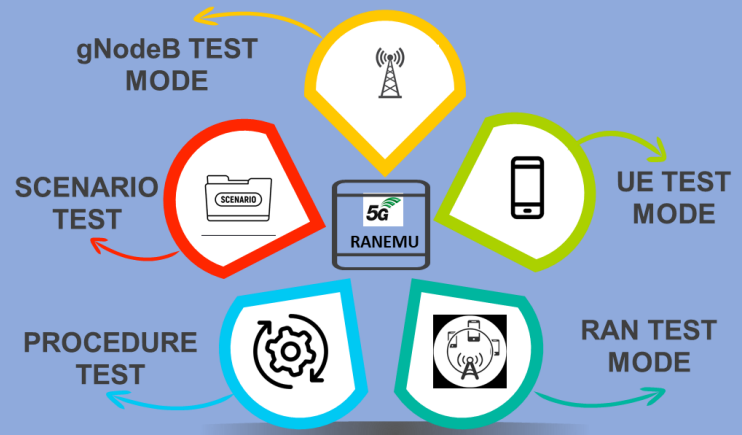
RAN Emulator

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Types of Tests

RANEMU provides for various types of Tests that can be conducted in the 5G Test Bed or Development setup.

The procedures to be tested or the scenarios to be simulated can be configured by the user through simple GUI.



RANEMU includes the following stacks and modules:

- NAS Stack
- UE Controller
- Emulator controller
- NG-AP stack
- gNB Emulator
- N3IWF Emulator