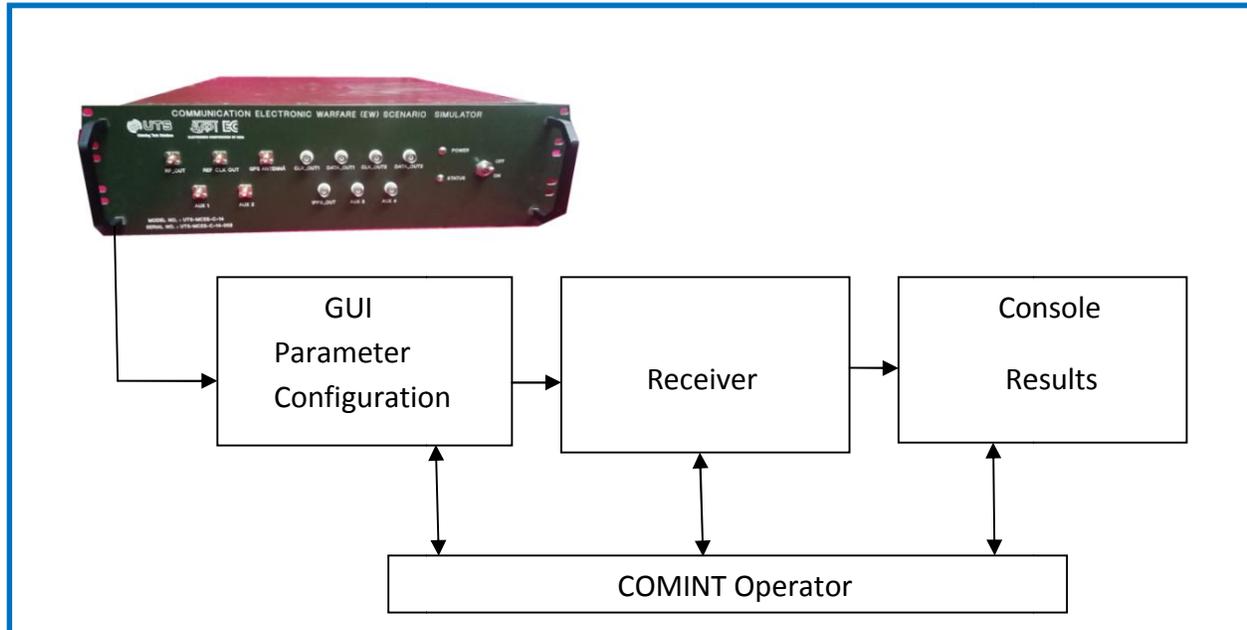


UTS COMINT Operator Training Simulator is a cost effective solution to train military SIGNIT and COMINT personnel, by means of generating different scenarios with Low Probability of interception (LPI) waveforms, frequency and time hopping techniques, wide band signals such as T1, T2,T3,E1,E2 and E3 etc. the operator can use predefined emitters to generate the scenario.



IT Contains EW simulator Hardware (is connected through Ethernet), GUI to configure the parameters, receiver and a console to display received signal characteristics.

The COMINT Operator Training Simulator will transmit the signals with different type and content of the emissions, power and distance will be received by receiver and results are displayed in console system.

The RF signals are stored in a scalable file system as I/Q data sampled at the minimum required data rate. This allows for many hours of continuous content to be stored and streamed in real-time.

Key Features:

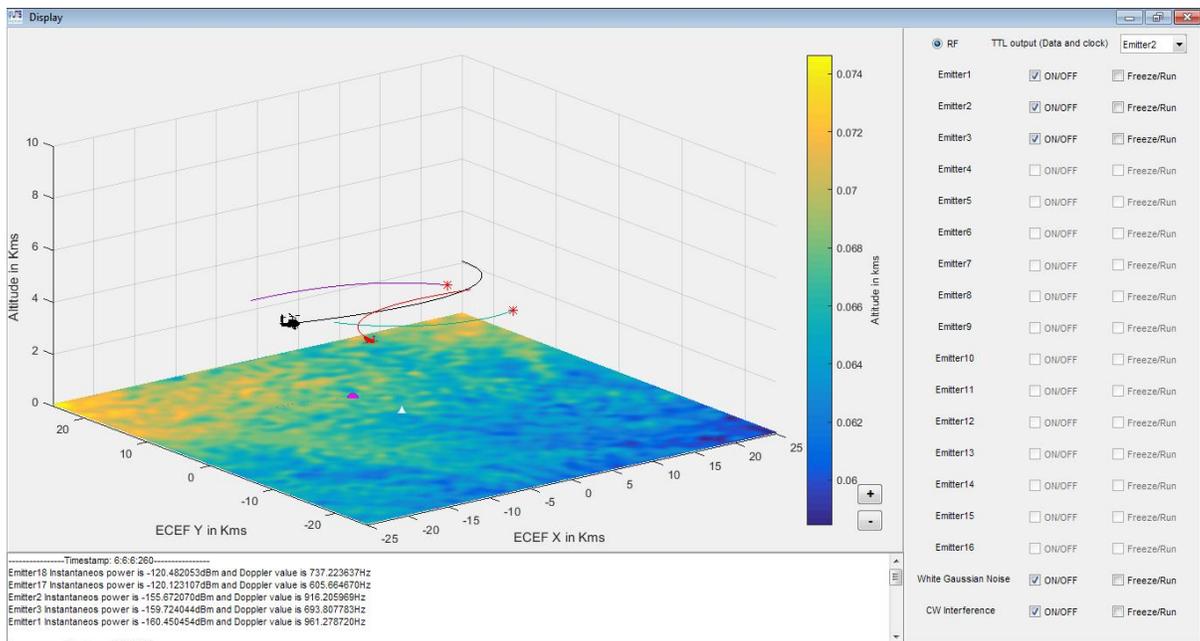
- Frequency range from 20 MHz to 6000 MHz
- Configurable instantaneous bandwidth 10/20/40 MHz
- Output channel 1 (configurable)
- Dynamic range 100dB
- Instantaneous dynamic range 60dB
- Maximum output power 0dB
- Maximum number of emitters that can be configured 16 and active in a scenario 4 (extendable)

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Website : www.unistring.com, E-Mail: info@unistring.com

- Supported analog modulation signal AM-SSB, AM-DSB, FM-NB, FM-WB and PM
- Supported Digital modulation signals BPSK, QPSK, 8-PSK, 8QAM, 16QAM, 32 QAM, 64 QAM, 4FSK, 2FSK, MSK and GMSK
- Burst, FHSS and DSSS are supported
- T1, T2, T3, E1, E2, E3 as per ITU standards are supported
- Source encoding such as PCM, AD-PCM, CVSD and DM are supported
- CW interference and white Gaussian noise source and also be modelled
- Windows based application provides intuitive graphical interface for its operation and for scenario creation, scenario saving and loading.
- Entities can move in predefined trajectory with 6 DOF. Entities can be airborne or ground based
- It stores and replays artificial and real world signals as elements of a complex, time-variant RF environment simulation.



Advantages:

- Cost effective
- Used to fill operator training plus performance GAPS
- Easy to use software
- Can be used for classroom training also
- Analysis of specific operational performance effectiveness
- Mission planning

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