

## KEY FEATURES

## THE KOR ELECTRONICS WAVEFORM MODULATION GENERATOR

(WMG) sets a new standard in the measurement and simulation of high fidelity modulated signals. The modular, flexible and expandable architecture employs the latest Digital RF Memory (DRFM) technologies available today - from KOR Electronics - the world leader in DRFM technologies.

The KOR Electronics WMG solution provides the ability to produce superior high fidelity signals with the precise advanced modulations required to achieve the most accurate signal simulation.



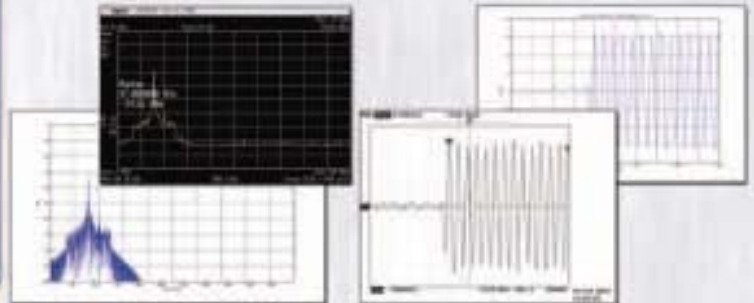
### WAVEFORM CAPTURE (Optional)

- Capture 13 ms of IF signals
- 5 min of capture (advanced option)
- Captured signals downloadable to standard/laptop PC

### MODES OF OPERATION

- Output selected waveforms
- Automatic repeated replay of selected waveforms
- Sequence through several selected waveforms
- Triggered mode outputs a preloaded waveform in response to an external trigger

- 2 - 18 GHz Frequency Coverage
- Up to 1GHz IBW w/10 bit resolution
- Playback of time sequenced digital signals with <1 ns sample resolution
- 16,000 unique pulses - addressable
- 13 msec of waveform time standard, expansion to > 200 msec
- Up to 4 channels
  - multiple channels may be concatenated for extended waveform (available option)
- Peak power output: 0 dBm
- Noise Floor:
  - -55 dBm/MHz over 500 MHz at max signal during pulse output
  - Within 10ns of the waveform envelope
  - -95 dBm/MHz
- Spurious & Harmonics:
  - 10 bit/500 MHz BW system
  - In-band: < - 52 dBc
  - Out of band: < -60 dBc
- Windows based PC host computer
- Graphic User Interface MMI
- Waveform entry via MATLAB
- Removable storage for security
  - WMG remains unclassified
  - Classified data easily stored and/or transferred securely
- Built In Test & Calibration



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WMG