End-to-End RF Electronic Battlefield Creation

- Stimulate electronic warfare systems with realistic RF battlefield threat emulation.
- Capture EW responses with low noise, high resolution and high dynamic range recording for high signal-to-noise ratio.
- Playback captured or synthesized threat waveforms and electromagnetic environments for radar and EW development plus test and evaluation.

ALL USING THE SAME HARDWARE

Modularity delivers multiple channels for standard and custom applications in a small form factor. Microwave Up/Down Converters support any combination of streaming recording and playback plus any PDW based threat emulation. Phase coherent design delivers wide instantaneous bandwidth. Real-Time control enables high fidelity multi-emitter emulation. Open architecture allows future repurposing of assets.

COMPASS

Coherent Multi-Channel Playback & Acquisition Streaming System

- Agile, Coherent RF coverage to 20 GHz across all channels
- Wide Instantaneous Bandwidth
  (1 GHz IBW @ RF, 2GHz IBW direct to digital)
- Up to 192 TB of solid-state memory for 11 hours/CH record time @ maximum sample rate
- Field proven ruggedized configurations available

Giga-tronics

Solutions for Next Gen EW / Radar Test & Deployment