Industry Team Delivers “Electronic Warfare Environmental Signal Generation System” to DOD

SRC, Inc. (Syracuse, N.Y.) and the US subsidiary of Germany’s Rohde & Schwarz (Columbia, Md.) announced the first delivery of RSGEN™, an electronic warfare (EW) environmental signal generation system, to a major DoD test facility, according to a press release from the companies. The system will enable users to go from EW threat library or database, directly to RF, allowing users to quickly build environmental generators that will be used to test receivers, jammers, and radars in an Electromagnetic (EM) environment.

According to the companies, “The RSGEN system is compatible with the military’s Next Generation Electronic Warfare Environment Generator (NEWEG) architecture including the intel-enabled Digital Generator (DGEN). RSGEN combines up to six time-coincident emitters per single RF port in a scalable platform for creating complex and realistic electromagnetic environments. It supports NEWEG objectives, allowing users to refine their EW capabilities in real-time, improving detection, classification and response to threats while ensuring the most current, effective countermeasures for warfighters in congested RF environments.” Its scalability means it can be used in single-port test applications on a benchtop to more complex EW scenarios that require up to 12 ports.

In 2023, the two companies announced their collaboration to developed the RSGEN, based in part on Rohde and Schwarz’s SMW200A vector signal generator. SRC focused on developing the system’s digital backend technology and software to deliver

“high throughput, and high port count EW environmental generation solution.” The companies stated at the time, “The RSGEN, will help customers elevate testing, with commercial-off-the-shelf (COTS) RF, to a government standard EW threat database simulator.” – *JED Staff*