SPIRENT LAUNCHES GSS7000 SATELLITE NAVIGATION TEST SYSTEM

News has been received from the UK branch of global navigation satellite system (GNSS) testing provider, Spirent Communications plc., of the launch of the GSS7000 series of multi-frequency, multi-GNSS RF constellation simulators. The GSS7000 (illustrated) provides an entry to multi-frequency testing, with a modular approach to enable this new precision GNSS simulation system to expand with users’ needs.

It is understood the GSS7000 simulation system will suit receiver, system and application developers who want to take advantage of new satellite navigation systems and the better accuracy offered by civilian, multi-frequency GNSS.

Commented Stuart Smith, lead product manager for Spirent’s Positioning business unit: ‘Testing across multiple GNSS systems requires more channels and more frequencies with accurate modelling across multiple constellations. The GSS7000 is a new type of simulator in terms of capability and flexibility. We have gone above and beyond traditional thinking to create a new system for a new era of GNSS test.’

The GSS7000 series is said to offer faithful emulation of all civil GNSS systems and regional augmentation systems, and allows devices to be tested under a multitude of operating environments and error conditions. GSS7000 has the flexibility to reconfigure satellite constellations, channels and frequencies between test runs or test cases. Four software control variants are offered.

For existing Spirent customers, the GSS7000 has been designed to be backward compatible, enabling the re-use of existing test cases. It allows full in-field upgradeability to add constellations, channels, and other options such as interference generation and sensor simulation.