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**Anritsu Enhances Microwave Signal Generators
For Pulse Modulation Performance**

*—MG3690B Series has Improved Minimum Leveled Pulse Widths and Internal
Generators to Simulate Aerospace and Defense Pulsed Radars —*

Morgan Hill, CA (September 2005) — Anritsu Company announces pulse modulation enhancements to its industry-leading MG3690B signal generators for more precise and convenient simulation of pulsed signals used in civilian and military radar applications. These enhancements provide narrower leveled pulses, increased resolution when using the internal pulse generator, and include higher frequency internal waveform generators to simulate modulated signals. The MG3690B's best-in-class pulse modulation performance responds to emerging needs of radar systems, especially those operating in the 1 – 2 GHz L-band, such as Air Traffic Control (ATC), Traffic and Collision Avoidance Systems (TCAS), Joint Tactical Information Distribution System (JTIDS) and other Distance Measuring Equipment (DME).

To precisely simulate pulse radar signals, the MG3690B family now provides 10x narrower leveled pulse widths from 1 μ s to 100 ns between 1 and 2 GHz. For simulating doublet, triplet, and quadruplet pulse trains that reveal radar blind spots, the internal pulse generator improves resolution from 25 ns to 10 ns. Also, the internal waveform generator is increased to 10 MHz so the MG3690B can simulate complex signals. Users can save space, have more simplified setups, and realize reduced cost by utilizing the enhanced MG3690B instead of a signal generator plus an external pulse generator.

(more)

The enhancements build upon the overall performance of the MG3690B signal generators, which already offer the highest output power, best-in-class spectral purity, and fastest switching speed. For example, the MG3690B can provide guaranteed +21 dBm at 20 GHz with -94 dBc/Hz phase noise at 1 kHz offset while typically switching at 5 ms per point.

In addition to analyzing pulsed signals operating in L-band, the MG3690B series can generate virtually any microwave signal due to its broad frequency coverage of 0.1 Hz to 67 GHz in a single output. For mm-wave frequencies, external multipliers can provide up to 325 GHz. Six models operating at 10 GHz, 20 GHz, 30 GHz, 40 GHz, 50 GHz, and 65 GHz (operationally up to 67 GHz) are available in the MG3690B series.

The MG3690B with these new pulse and internal generator enhancements has a delivery of 4 to 6 weeks.

About Anritsu

Anritsu Company is the American subsidiary of Anritsu Corporation, a global provider of innovative communications solutions for more than 100 years. With offices throughout the United States, as well as in Canada, Central America, and South America, Anritsu Company provides solutions for existing and next-generation wired and wireless communication systems. Its measurement solutions include optical, microwave/RF, wireless and digital instruments that can be used during R&D, manufacturing, installation, and maintenance. Anritsu Company also provides precision microwave/RF components, optical devices, and high-speed devices for design into communication products and systems.

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