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News Release

Anritsu Announces Millimeter-wave Source Multiplier Modules for Best-in-class Signal Generator Series

— New Modules Provide Waveguide-banded Frequency Coverage up to 500 GHz to Address Growing Millimeter Wave Applications in Aerospace, Defense, Radar, and SatCom Markets —

Morgan Hill, CA – For Immediate Release – Anritsu Company announces the availability of millimeter-wave source multiplier modules that extend the frequency coverage of its MG3690C series of RF/microwave signal generators to 500 GHz. With the extended waveguide-banded frequency coverage, the best-in-class MG3690C series addresses the market need for millimeter-wave solutions to test emerging aerospace, defense, radar, and satellite communications applications.

The new modules, developed with OML, Inc. (formerly Oleson Microwave Labs), continue the expansion of Anritsu test solutions for millimeter-wave applications. Designed for use with the MG3692C (with base coverage from 2 GHz to 20 GHz), MG3693C (up to 31.8 GHz), MG3694C (up to 40 GHz), MG3695C (up to 50 GHz), and MG3697C (up to 67 GHz), the multipliers exhibit exceptional flatness. In addition, the millimeter-wave connections on the multiplier modules are compatible with MIL-DTL-3922/67D (UG387/U-M) waveguide flanges. Engineers can use the MG3690C/multiplier configuration to solve their most difficult challenges, including design characterization, performance verification, and system emulation.

“We are pleased to extend our relationship with OML, a recognized leader in millimeter frequency extension products for a wide variety of test equipment. Working together, we are now able to offer the strengths of Anritsu’s MG3690C series of signal generators to engineers working on leading-edge applications up to 500 GHz. For example, engineers can take advantage of our excellent spectral purity with a typical phase noise of -75 dBc/Hz at a 1 kHz offset when working from 325-500 GHz,” said Walt Strickler, Senior Product Manager at Anritsu Company.

“Engineers will appreciate the performance, functionality and value available in the millimeter wave solutions available from Anritsu and OML. Our new solution with power level control in the millimeter wave bands from 50 GHz to 0.5 THz demonstrates our commitment to deliver innovative instrumentation for next-generation applications,” said Yuenie Lau, Vice President of Operations at OML.

A variety of signals can be created by the signal generators configured with the modules. The MG3690C already has the industry's best pulse modulation capability, including 100 ns leveled pulse widths with 10 ns resolution and the ability to generate single, doublet, triplet and quadruplet pulses. When combined with the multiplier modules, pulse rise- and fall-times are further reduced enabling the most comprehensive emulation and test of high-performance narrow pulse radars. For applications requiring precision power control, most of the millimeter-wave multiplier modules can be equipped with a manually adjustable attenuator with a minimum attenuation range of 25 dB.

Microwave signal generators in the MG3690C series feature best-in-class combination of frequency range (option available down to 0.1 Hz), phase noise, and modulation performance, along with excellent spectral purity and switching speed, backed with an industry-leading 3-year standard warranty. This combination makes the MG3690C series an ideal signal generation choice for applications ranging from R&D through manufacturing to depot repair.

About Anritsu

Anritsu Company is the United States subsidiary of Anritsu Corporation, a global provider of innovative communications test and measurement solutions for more than 110 years. Anritsu provides solutions for existing and next-generation wired and wireless communication systems and operators. Anritsu products include wireless, optical, microwave/RF, and digital instruments as well as operations support systems for R&D, manufacturing, installation, and maintenance. Anritsu also provides precision microwave/RF components, optical devices, and high-speed electrical devices for communication products and systems. With offices throughout the world, Anritsu sells in over 90 countries with approximately 4,000 employees.

For more information, visit www.anritsu.com.

About OML

OML Inc., located in the Silicon Valley of California, is a premier supplier of innovative millimeter and sub-millimeter wave frequency extension products and accessories for vector network analyzers, scalar network analyzers, spectrum analyzers, converters, and signal generators. Since 1994, our solutions have empowered engineers in R&D and manufacturing to pursue opportunities in emerging applications spanning radio astronomy, communication, semiconductors, imaging, space research, biomedical, and homeland security. We collaborate with engineers throughout the world to develop "Innovation in Millimeter Wave Measurements."

To learn more visit www.omlinc.com

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