



**Agilent Technologies**

## **Agilent Technologies' New Option for RF and Microwave Signal Generators Offers Industry's Lowest Close-in, Pedestal Phase Noise**

SANTA CLARA, Calif., Sept. 28, 2010 -- Agilent Technologies Inc. (NYSE: A) today introduced [Option UNY](#) for its PSG family of RF and microwave signal generators. The new option offers the lowest close-in and pedestal phase noise available on the market today. Option UNY is ideal for R&D and test engineers working on defense electronics and wireless communication systems.

Agilent will demonstrate Option UNY, along with other Agilent products and services for wireless communication; radar; RF technologies; high-frequency semiconductors; electromagnetic; commercial and military RF; microwave; and mm-wave electronics and applications, at the [European Microwave Week 2010](#), Sept. 26 - Oct. 1, Paris, CNIT La Défense, Booth 62/46.

Option UNY's low-noise performance enables engineers to characterize and evaluate high-performance devices and receivers to levels previously unattainable. For example, a 1-GHz carrier frequency at 10 kHz offset provides -142 dBc/Hz specified (-146 typical) absolute SSB phase noise. With the industry's best pedestal phase noise, engineers can more accurately characterize the adjacent channel performance of receivers. The best close-in phase noise provides improved sensitivity for better measurement of high-performance radar systems.

The new Option UNY also features selectable phase noise settings for best close-in (less than 150 kHz) or far-from-carrier (greater than 150 kHz) phase noise. This flexibility allows engineers to optimize the phase noise performance for their specific application.

"Characterizing and evaluating high-performance devices and receivers is a challenging yet critical task for engineers developing and testing defense electronics and wireless communication systems," said Guy Séné, vice president and general manager of Agilent's Microwave and Communications Division. "The new PSG option, with its increased accuracy and improved sensitivity, greatly simplifies this task and continues Agilent's tradition of accelerating innovation in RF and microwave test application requirements for aerospace, defense and communications."

The PSG family of RF and microwave signal generators delivers the high-quality test signals, power and performance engineers demand. This is true whether performing functional and parametric tests on advanced RF and microwave radio systems, analyzing the components that comprise them, or simply substituting a continuous-wave signal for a local oscillator. The PSG family features the world's first integrated vector signal generator up to 44 GHz, first analog signal generator up to 67 GHz (operational to 70 GHz), and the first microwave analog signal generator to break the one-watt output power barrier (Option 521 operates from 10 MHz to 20 GHz).

Option UNY for the PSG family of signal generators will be available Oct. The option is available on the E8663D RF analog signal generator, E8257D microwave analog signal generator and E8267D microwave vector signal generator.

For information about Agilent's new option, go to [www.agilent.com/find/PSG\\_OptionUNY](http://www.agilent.com/find/PSG_OptionUNY) .