

Ultra Versatile, Multi-Octave RF Upconverter Delivers High Performance Specifications for 2 MHz to 3 GHz RF Systems and Subsystems

Middletown, Ohio, March 12, 2008 - A new high performance, multi-octave RF upconverter delivers a spectrally pure RF output yielding a highly flexible input and output frequency range selection. The **RF2-3000UCV1** model offers the end user design versatility. The IF input ranges from 2 MHz to 70 MHz to provide a RF upconversion between 2 MHz and 3 GHz with gain flatness under 2 dB for the specified spectrum. Delivering on performance, the IF input boasts high dynamic range and user selectable bandwidths.

The **RF2-3000UCV1** upconverter has 50 dB of attenuation control with incremental steps of 0.5 dB. The frequency step size is 5 kHz. The device can handle input signals up +8 dBm. The RF upconverter operates at 6 VDC. SMA connectors are provided for ease of use. The module is packaged in a small-form-factor ruggedized aluminum enclosure measuring only 1.0" x 2.5" x 3.5".

This **RF2-3000UCV1** upconverter can be used in variety of applications including, satellite TV, cellular, waveform generators, communication systems, exciters, software defined radios (SDR), Joint Tactical Radio System (JTRS), and in test and laboratory systems. The RF upconverter can be used on the bench as a stand alone RF signal generator.

NuWaves Engineering is offering a development kit to assist users in getting up-and-running fast. The kit includes hardware, cables, and verbose software which will provide a user friendly GUI. The GUI provides a simple and fast means to setup many of the parameters such as LO frequencies, attenuation control, bandwidth selection, and much more right from you PC. Availability of the development kit is planned for Q1 '08. Prices for the kit start at \$4,999 USD.

NuWaves Engineering is a premier supplier of RF Systems, Products, and Engineering Services designed to customer requirements. NuWaves Engineering is a RF power house, with the singular mission of delivering unsurpassed RF Design Engineering Services. NuWaves Engineering offers a wide range of engineering services to fit most any RF application needs. We serve the industrial, military, and commercial markets. We have several commercially available products including High Intercept Low Noise Amplifiers (**HILNA™**) and Miniature Custom Filters (**μFILTER™**). Contact Terry Tincher, Technical Solutions Manager, at 513-360-0800 ext 310 or visit our website at www.nuwaves-ltd.com for more information.

