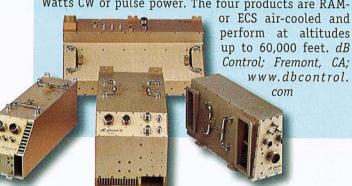
The CHPA0618-1-G45, a solid-state amplifier from

CAP Wireless, operates across a 6- to 18-GHz frequency range with 40 Watts of output power. Designed for applications including electronic attack, the amplifier's architecture is based on



the company's Spatium™ spatial combining technology that provides single-point failure protection and 3D heat dissipation, making it well-suited as an alternative to a traveling wave tube amplifier. Other features include a low noise figure, low phase noise and spurious, an infinite load VSWR without damage to the amplifier and no warm-up or turn-on lag. CAP Wireless; Newbury Park, CA; www.capwireless.com

dB Control has launched four high- and low-band transmitters covering the 6- to 18-GHz and 2- to 7-GHz frequency spectrum and designed for next-generation airborne electronic attack applications. Based on microwave power module (MPM) technology, the MIL-STD-461E-compliant transmitters include a high-band transmitter providing 1,500 Watts of power, a highband continuous wave (CW) transmitter providing 100 Watts CW or pulse power, a dual high-band transmitter providing 200 Watts per channel CW or pulse power and a single low-band transmitter providing 200 Watts CW or pulse power. The four products are RAM-



newest series of miniature portable receivers. Measuring 13 cubic inches and requiring 1 Watt of power. the receiver is designed



for portable SIGINT and other software-definable radio applications. The receiver features an FPGA architecture and a built-in Webbased USB 2.0 graphical user interface that attaches to thumb drives, Ethernet devices, GPS receivers and Bluetooth modules and connects to a personal computer (PC) or laptop. Its RAM and flash memory support Linux OS software. Its file transfer protocol (FTP) and telecommunications network (telnet) protocol capability make it well-suited for complex digital signal processing. DRS Signal Solutions Inc., Gaithersburg, MD; www.drs-ss.com

## **18-40 GHz MILLIMETER-WAVE SDLVAS**

Link Microtek has introduced a line of millimeter-wave successive detection log video amplifiers (SDLVAs) manufactured by Endwave Corporation and designed for electronic intelligence (ELINT) receivers. as well as radar and missile-quidance systems. The SDVLAs come in three types, the 18- to 40-GHz ASDA-81840, the 18- to 26-GHz ASDA-81826 and the 26- to 40-GHz ASDA-82640. With a typical signal sensitivity of -65 dBm at 85 degrees Celsius and a typical dynamic range exceeding 69 dB, the amplifiers have a +/-1.0 dB log linearity and +/-1.5 dB frequency flatness. Hermetically sealed, they can operate in temperatures ranging from -45 to 85 degrees Celsius. Link Microtek; Basingstoke, Hampshire, UK; www.linkmicrotek.com

FPGA-BASED DIGITAL RECEIVERS

Mercury Computer Systems has introduced the DCM-V5-XMC Echotek® series of digital receivers based on Virtex™-5 FPGA architecture. Ideal for COMINT and ELINT applications, the receivers are packaged in a mezzanine card

