Tortoise™ is a portable, rugged, high-power signal generator system comprised of dual, independent modules giving the user freedom to operate on any 2 unique frequency bands simultaneously all in one portable device. Tortoise™ features two dynamically controlled Class A amplifiers for the cleanest signal output and VSWR protection. Tortoise features built-in thermal overheat protection circuitry with quad cooling fans to ensure against overheating during operation. Remote adjustments include power level, channel or frequency assignment and transmit On/Off via USB connection to any PC. Optional MODULATORS allow Tortoise™ to simulate LTE, UMTS, CDMA or WiMAX base stations complete with adjustable step sizes, channel bandwidth and user settable ID Cell, Segment and frame lengths.

**FEATURES**

- Two independent CW transmitter module bays
- Optional LTE, UMTS, CDMA IS-95 or WiMAX Modulation
- Weighs under 20 pounds
- Water resistant, ruggedized plastic case
- Pure spectrum Class A power amplification up to 45 watts per band
- Quad cooling fans with built-in thermal amplifier overheat protection
- Power levels, channels and frequencies controlled from the front panel or included PC software
- VSWR antenna protection and internal power meter measurement for precise output power control
- All parameters adjustable remotely via USB or directly in 0.1 dBm increments
SELECTABLE STEP SIZES OF 2.5 KHZ, 5 KHZ, 15 KHZ, 20 KHZ, 25 KHZ, 50 KHZ AND 200 KHZ.

CUSTOM FREQUENCY BANDS AVAILABLE UPON REQUEST.

DISPLAY 640 x 240 LCD (1/2 VGA)

STABILITY STABILITY BETTER THAN 1.5 PPM FOR FIRST YEAR, ± FOR 1 PPM FOR AGING

OUTPUT POWER CONTINUOUS ADJUSTABLE POWER OUTPUT ± 0.1 DBM FROM 24 DBM TO 46.5 DBM

POWER ADJUSTMENTS CONTINUOUSLY ADJUSTABLE VIA ROTARY KNOB OR DIRECT KEYPAD ENTRY IN .1 DBM INCREMENTS

REMOTE CONTROL CONTROL VIA USB CONNECTED TO ANY PC

SPURIOUS OUTPUT > 55 DBC

HARMONICS OUTPUT > 40 DBC

POWER 100-240 VAC / 5A OR 12-13.2 VDC / 20 A

INCLUDES 2 ANTENNAE OUTPUT PORTS (TYPE N FEMALE) AND PC SOFTWARE

OPTIONS MODULATION SCHEMES (WiMAX, UMTS, LTE OR CDMA)

TECHNICAL SPECIFICATIONS

CELLULAR • WiMAX • LTE • IS-95 CDMA • LMR • Paging • SMR • GSM • ISM • WCS • iDEN • AMPS • PACS • ETACS • IS-136 • AWS

CALL US TODAY FOR MORE INFORMATION:
TOLL FREE 1-888-737-4287 / (outside U.S. & Canada) +1 732-548-3737
www.bvsystems.com
sales@bvsystems.com