

**BANTAM INSTRUMENTS UNVEILS MIL-STD-461E  
EMC PRE-COMPLIANCE MEASUREMENT CAPABILITY**

The BANTAM INSTRUMENTS Model 401B Spectrum Analyzer now has the capability to make MIL-STD-461E radiated EMC pre-compliance measurements in addition to CISPR 22, CISPR 11, and FCC Part 15. Measurements can be made from 1 MHz to 1024 MHz, the measurement range of the Model 401B spectrum analyzer. This frequency range tends to be especially troublesome as many internal digital clocks and IF frequencies fall within this range. Having a straightforward, inexpensive way to check for EMC pre-compliance within this frequency range speeds the task of MIL-STD-461E certification.

The new EMC-461 measurement system from BANTAM INSTRUMENTS includes software to operate on any Windows based PC and makes MIL-STD-461E measurements simple and straightforward. The antenna factors for many popular EMC measurement antennas are stored within the software, or the user can enter his own antenna factors from the PC keyboard. A 26dB gain preamplifier, powered directly by the Model 401B spectrum analyzer is included. The preamplifier has a Type N Male connector, which interfaces directly to most EMC measurement antennas, and an SMA cable to connect the preamplifier output to the input of the spectrum analyzer is also supplied.

The PC software in the EMC-461 measurement system compensates for the antenna factor, preamplifier gain, as well as cable loss. The results are measurements directly in dB $\mu$ V/m. Limit lines for all MIL-STD-461E radiated emission standards can be displayed, including surface ships (RE102-1), submarines (RE102-2), aircraft and space systems (RE102-3), and ground applications (RE102-4). The user can also enter his own limit lines if required.

The basic EMC-461 measurement system, which includes the Model 401B Spectrum Analyzer, PC Software on CD ROM, 26 dB gain preamplifier, and 6 ft SMA cable is priced at only \$3900. The user can use existing EMC measurement antennas or they may be purchased directly from any of the many antenna manufacturers.

BANTAM INSTRUMENTS, located in Sunnyvale, California, was founded in 1997. The Company specializes in handheld spectrum analyzers and measurement accessories and their products are sold worldwide through a network of sales representatives and distributors. More information can be obtained by visiting the Bantam Instruments website at [www.BantamInstruments.com](http://www.BantamInstruments.com).