Signal Hound®

USB-TG44A Tracking Generator

10 Hz to 4.4 GHz

Adds versatile scalar network analysis capability to your USB-SA44B Spectrum Analyzer.

Use as a CW Signal Generator for tasks that will tolerate harmonics of typically < -10dBc.

Perform complex automated tasks using the API.

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USB-TG44A Tracking Generator

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FREQUENCY

· Frequency range: 10 Hz to 4.4 GHz

· Frequency Accuracy: ±1ppm

· Frequency steps: 19 selectable step sizes from
  10 Hz to 10 MHz

AMPLITUDE

· Amplitude range: -30 to -10 dBm

· Absolute Amplitude accuracy ±2.0 dB

· Amplitude steps: 1 dB

HARMONICS
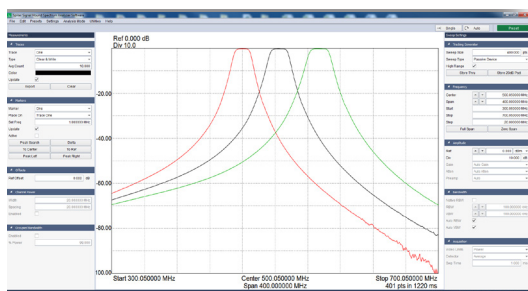
· Typically < -10dBc

CALIBRATION INTERVAL 1-year

OPERATING TEMPERATURE

· 20° C to 25° C to achieve published specifications

· 0° C to 70° C operating range with derated
  amplitude specs

SYSTEM REQUIREMENTS

The USB-TG44A is packaged with application software that is used on a PC running Windows® 7, 8, or 10 operating systems. You must have at least 1GB of free disc space, 1GB of RAM, one USB 2.0 port, and a 2GHz dual-core processor.

The Signal Hound TG44A is a USB-powered, 10 Hz to 4.4 GHz, economy tracking generator and CW signal generator. The TG44A turns your SA44B, SA124B, or BB60C spectrum analyzer into a versatile scaler network analyzer. The combination can measure gain, frequency response, compression, flatness, and insertion loss on components and subsystems.

Signal Hound's new Spike® software is now included, which integrates the SA-series and BB-series spectrum analyzers with the TG-series tracking generators, past and present, under the same Graphical User Interface (GUI) as the Signal Hound BB60C spectrum analyzer.

High dynamic range measurements are user friendly and efficient. Save up to a 1000-point data file and then load it in the path loss table for normalization of precision RF cable and/or antenna measurements.

As an economy CW signal generator, the TG44A is adequate for tasks that will tolerate harmonics that are typically ≤ -10dBc.

The TG44A is powered from the USB cable, which also eliminates the need for a separate power supply. Measuring less than 8 inches long and weighing only 10 ounces, the TG44A can be used virtually anywhere!

SOFTWARE DETAILS

Use Signal Hound's Spike™ software, in combination with the TG44A Tracking Generator and SA44B spectrum analyzer, as a completely integrated system. Spike™ provides a virtual control panel on the user's PC for sending commands to the SA44B and TG44A over the USB. Spike™ also directs signal data processing over the USB and into the user's PC, for display and/or screen capture.