

Signal Hound designs and builds premium accessible test and measurement equipment for engineers and RF professionals around the globe.

INTEGRATE A TRACKING GENERATOR WITH A SPECTRUM ANALYZER FOR USE AS A MULTIFUNCTIONAL SCALAR NETWORK.

The TG44A is a USB-powered, 10 Hz to 4.4 GHz, tracking generator and CW signal generator. When paired with a SA44B, SA124B, or BB60 series spectrum analyzer the TG44A turns into a versatile scalar network analyzer. The combination can measure gain, frequency response, compression, flatness, and insertion loss on components and subsystems. High dynamic range measurements are user friendly and efficient and can save up to a 1000-point data file and then load it in the path loss table for normalization of RF cable and/or antenna measurements. As an CW signal generator, the TG44A executes tasks that will tolerate harmonics that are typically < -10 dBc.

APPLICATIONS

- Insertion loss and gain
- Return loss with directional coupler
- Isolation of frequency-selective devices
- Measure filter bandwidth
- Component-level characterization
- Pass/stop band of a component
- Amplifier gain measurements
- General purpose RF test & measurement
- General purpose RF signal generation

FEATURES

- RF Frequency Range: 10 Hz to 4.4 GHz
- Amplitude Range: -30 dBm to -10 dBm
- Harmonics Typically < -10 dBc



TG44A Tracking Generator

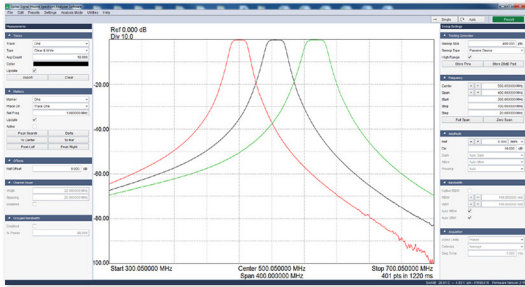
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Production Specifications

Frequency Range	10 Hz to 4.4 GHz
Frequency Accuracy	• ± 1 ppm
Amplitude Range	• -30 dBm to -10 dBm
Absolute Amplitude Accuracy	• ± 2.0 dB
Amplitude Steps	• 1 dB
Harmonics	• Typically < -10 dBc
Operating Temperature	Standard 68°F to 77°F (+20°C to +25°C)
Size and Weight	• 7.65" x 3.18" x 1.18" (194mm x 81mm x 30mm) • 0.6 lb. (272 gm)
Power Consumption	• 2 Watts (typ)
Interface	USB 2.0
System Requirements	Windows

Ordering Options

Standard, Temperature Range 32°F to 158°F (0°C to +70°C)



SOFTWARE DETAILS

Use Signal Hound's Spike™ software, in combination with the TG44A Tracking Generator and SA44B spectrum analyzer, as a completely integrated system.