Signal Hound®

TG124A Tracking Generator

Signal Hound designs and builds powerful, affordable spectrum analyzers and signal generators for engineers, operators and RF professionals around the globe.

COMBINE A TRACKING GENERATOR WITH A SPECTRUM ANALYZER TO CREATE A VERSATILE SCALAR NETWORK.

The TG124A is a USB-powered, 100 kHz to 12.4 GHz, tracking generator and CW signal generator. When paired with a SA124B, SA44B, or BB60 series spectrum analyzer the TG124A 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 TG124A 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
- Monitor bandwidth utilization
- 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: 100 kHz to 12.4 GHz
- Amplitude Range: -30 dBm to -12 dBm
- Sweep up to 700 frequency points per second when paired with SA124B

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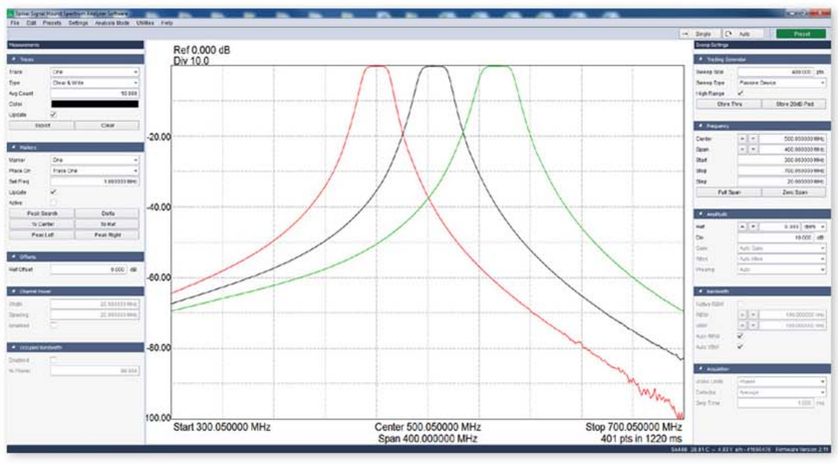
Production Specifications

Frequency Range	100 kHz to 12.4 GHz
Frequency Accuracy	• ±1 ppm
Amplitude Range	• -30 dBm to -12 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	• 7.67” x 3.18” x 1.18” (194mm x 81mm x 30mm) • 0.68 lb. (308 gm)
Power Consumption	• 2 Watts (typ)
Interface	USB 2.0
System Requirements	Windows

Ordering Options

Standard, Temperature Range 32°F to 122°F (0°C to +50°C)



SOFTWARE DETAILS

Use Signal Hound's Spike™ software, in combination with the TG124A Tracking Generator and SA124B spectrum analyzer, as a completely integrated system.

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