

# RF TEST SOLUTIONS



**THE BEST VALUE IN ELECTRONIC TEST & MEASUREMENT**

- Spectrum Analyzers
- Real-Time Spectrum Analyzers
- VNA/VSA Options
- RF Generators

# SPECTRUM ANALYZERS



- Frequency Range from 9 kHz up to 2.1 GHz / 3.2 GHz / 7.5 GHz
- -165 dBm/Hz Displayed Average Noise Level (Typ.)
- -98 dBc/Hz @ 10kHz Offset Phase Noise (1 GHz, Typ.)
- Total Amplitude Accuracy < 0.7 dB
- 10.1 Inch Multi-Touch Screen, Mouse and Keyboard support

Models	Max Frequency	DANL
SSA3021X Plus	2.1 GHz	-165 dBm/Hz
SSA3032X Plus	3.2 GHz	-165 dBm/Hz
SSA3075X-Plus	7.5 GHz	-165 dBm/Hz

SIGLENT's line of Spectrum Analyzers offers several different frequency ranges with precision measurements and enhanced functionality. The SSA3000X series includes a bright easy-to-read display and user-friendly interface. Applications include R&D, production, education, and pre-compliance testing.

# REAL-TIME SPECTRUM ANALYZERS

- Up to 40 MHz Real Time Analysis Bandwidth
- Web Browser Remote Control
- 9 kHz to 7.5 GHz Frequency Ranges
- -165 dBm/Hz DANL (Typ.)
- -98 dBc/Hz @ 10kHz Offset Phase Noise (1 GHz Typ.)
- Total Amplitude Accuracy < 0.7 dB

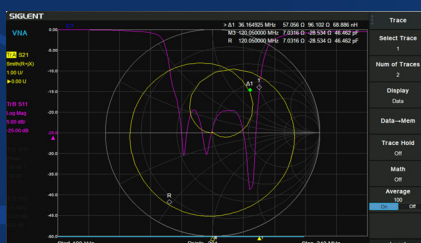
Models	Max Frequency	DANL
SSA3050X-R	5.0 GHz	-165 dBm/Hz
SSA3075X-R	7.5 GHz	-165 dBm/Hz



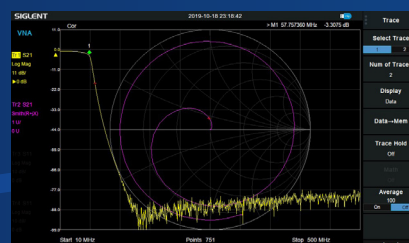
The SIGLENT SSA3000X-R Real-Time Spectrum Analyzers are powerful and flexible tools for complex RF signal monitoring and analysis, with multi-dimensional data displays, advanced triggering, and a standard tracking generator for network analysis, wide band digital modulation analysis, and EMI pre-compliance testing. Applications include broadcast monitoring/evaluation, cellular site, IoT, WiFi, 5G, Bluetooth and more.

# RF TESTING APPLICATIONS

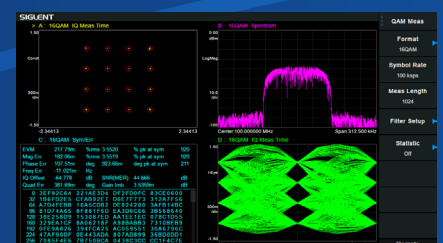
*Delivering quality, accuracy and versatility for a wide range of applications.*



Characterization of RF Components and Antennas



RF Circuit Design



Broadband Modulation Analysis

## VNA ENABLED SPECTRUM ANALYZERS



- 9 kHz to 7.5 GHz
- Measure S11 and S21. VSA option
- -98 dBc/Hz @ 10kHz Offset Phase Noise (1 GHz Typ.)
- -156 dBm/Hz DANL (Typ.)
- Total Amplitude Accuracy < 1.2 dB
- Distance-to-Fault Option

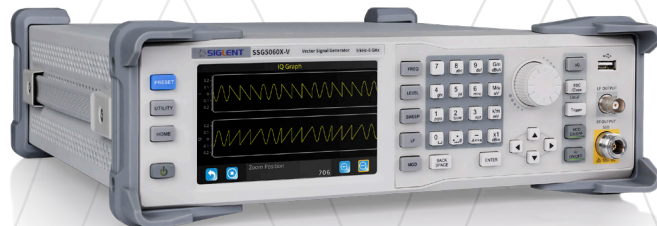
Models	Max Frequency	DANL
SVA1015X	1.5 GHz	-156 dBm/Hz
SVA1032X	3.2 GHz	-161 dBm/Hz
SVA1075X	7.5 GHz	-161 dBm/Hz

SIGLENT offers a high-performance Spectrum & Vector Network Analyzer with frequency ranges up to 7.5 GHz and multiple modes of operation for versatile RF signal and network analysis. The SVA1000X Series includes automatic measurements and a distance-to-fault option. Applications include broadcast evaluation, site surveying, S-parameter measurement, cable and antenna testing, EMI pre-compliance testing, and 5G.

## RF SIGNAL GENERATORS

- Frequencies Up to 6 GHz
- 0.001 Hz Resolution
- Output Power up to +26 dBm (Typ.)
- Phase Noise: -120 dBc/Hz @ 1GHz, 20 kHz offset
- 75/150 MHz IQ modulation bandwidth options
- User Programmable Flatness Correction

Models	Max Frequency	Phase Noise
SSG5040X	4 GHz	-120 dBm/Hz
SSG5060X	6 GHz	-120 dBm/Hz
SSG5040X-V	6 GHz	-120 dBm/Hz
SSG5060X-V	6 GHz	-120 dBm/Hz



SIGLENT's SSG5000X Series RF Signal Generators have output frequencies up to 6 GHz with 0.001 Hz frequency resolution and Vector Signal Generation capability. These versatile instruments have excellent specs for phase noise, spectral purity, bandwidth, EVM, and output power. The internal IQ modulation generator and waveform playback functions make it easy to create accurate and complex signal types.

**BRIDGE THE  
GAP TO YOUR  
SOLUTION**





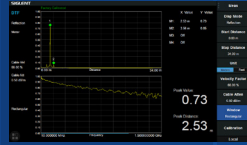
# RF TEST SOLUTIONS

## SPECTRUM ANALYZER ACCESSORIES

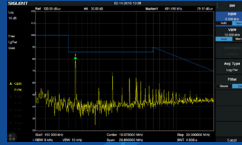
Broadcast  
Measurement Kit (AMK)



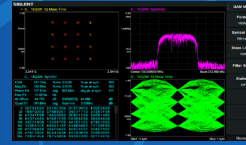
Distance-to-Fault (DTF)



EMI



Vector Signal Analysis  
(AMA/DMA)



VNA Calibration Kits



UKit



SRF5030T Near  
Field Probe Kit



Rack Mount Kit



Hardcase (HC-1)



Softcase (BAG-S2)

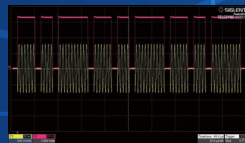


## RF SIGNAL GENERATOR ACCESSORIES

Rack Mount Kit



Pulse Train



High Stability Clock



IQ 150 MHz  
Bandwidth Upgrade



Base Frequency  
Upgrade



### Orbital Care

Siglent provides lifetime value by continuously releasing free firmware updates that enhance performance and functionality.

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