



## SSA3000X Spectrum Analyzer

### Key Features

- All-Digital IF Technology
- Frequency Range from 9 kHz up to 3.2 GHz
- -161 dBm/Hz Displayed Average Noise Level (Typ.)
- -98 dBc/Hz @10 kHz Offset Phase Noise (1 GHz, Typ.)
- Total Amplitude Accuracy < 0.7 dB
- 10 Hz Minimum Resolution Bandwidth (RBW)
- Standard Preamplifier
- Up to 3.2 GHz Tracking Generator Kit (Opt.)
- Reflection Measurement Kit (Opt.)
- Advanced Measurement Kit (Opt.)
- EMI Pre-compliance Measurements Kit (Opt.)
- 10.1 Inch WVGA (1024x600) Display

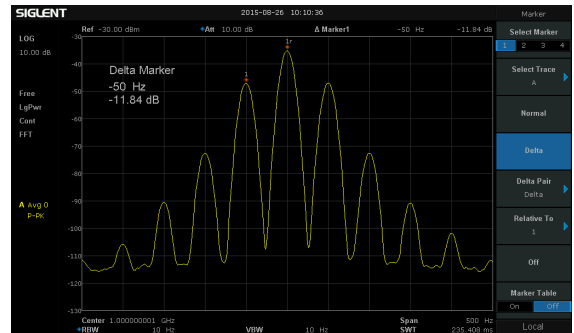
# Spectrum Analyzer

## Characteristics

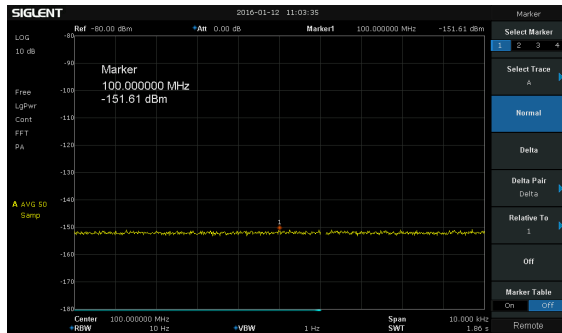
- Support four traces and cursors independently



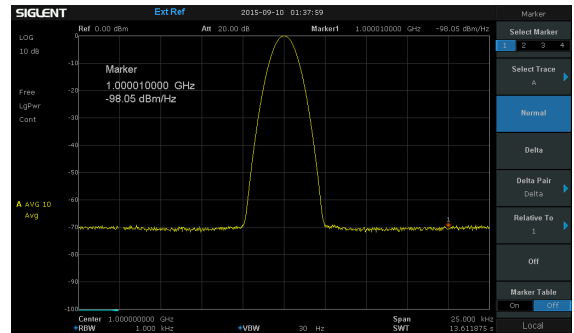
- 10 Hz Minimum Resolution Bandwidth (RBW)



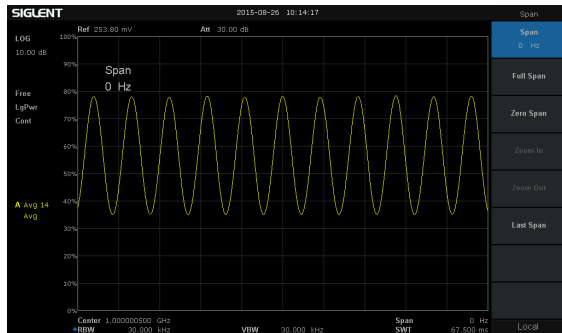
- 151 dBm Displayed Average Noise Level (RBW=10 Hz)



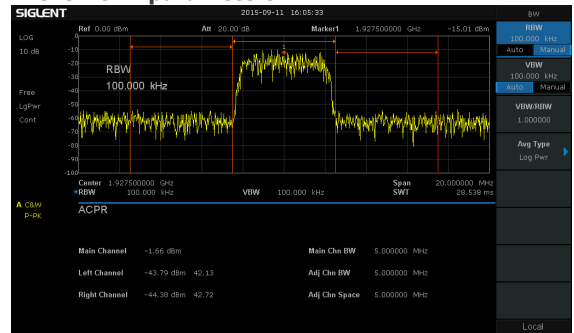
- Phase noise -98 dBc/Hz@1 GHz, offset 10 kHz



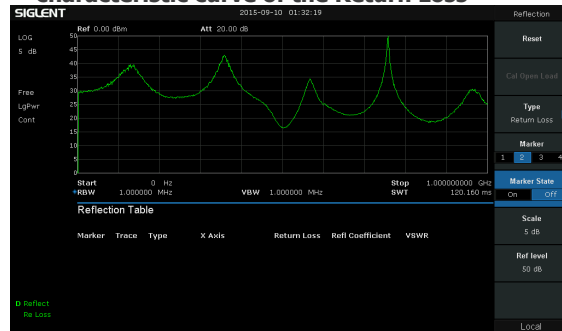
- Demodulation at the zero span



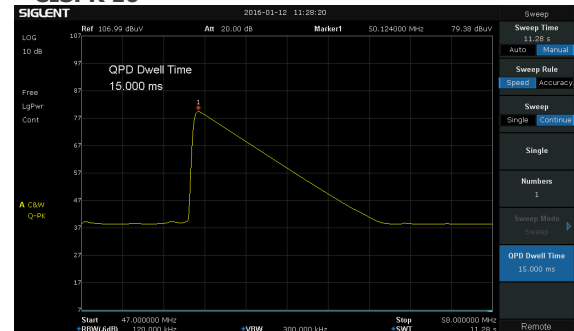
- Advanced power measurement, calculate the ACPR parameters



- Reflection measurement, acquire characteristic curve of the Return Loss



- EMI filter, Quasi-Peak detector following CISPR 16



## Specifications

Model	SSA3032X	SSA3021X
Frequency Range	9 kHz~3.2 GHz	9 kHz~2.1 GHz
Resolution Bandwidth	10 Hz~1 MHz, in 1-3-10 sequence	10 Hz~1 MHz, in 1-3-10 sequence
Displayed Average Noise Level	-161 dBm/Hz, Normalize to 1 Hz (typ.)	-161 dBm/Hz, Normalize to 1 Hz (typ.)
Phase Noise	<-98 dBc/Hz@1 GHz, 10 kHz offset	<-98 dBc/Hz@1 GHz, 10 kHz offset
Amplitude Precision	< 0.7 dB	< 0.7 dB

## Ordering Information

Product Description	SSA3000X Spectrum Analyzer	Order Number	
Product code	Spectrum Analyzer, 9 kHz~3.2 GHz	SSA3032X	
	Spectrum Analyzer, 9 kHz~2.1 GHz	SSA3021X	
Standard configurations	A Quick Start, A Product Certification, A USB Cable, A CD (Including Quick Start, Data Sheet and Application Software) , A Calibration Certificate	QG-SSA3000X	
Utility Options	Tracking Generator Kit (Software)	TG-SSA3000X	
	Advanced Measurement Kit (Software)	AMK-SSA3000X	
	Utility Kit: N (M)-SMA (M) cable N (M)-N (M) cable N (M)-BNC (F) adaptor (2 pcs) N (M)-SMA (F) adaptor (2 pcs) 10 dB attenuator	UKitSSA3X	
	N (M)-SMA (M) cable	N-SMA-6L	
	N (M)-N (M) cable	N-N-6L	
	N (M)-BNC (M) cable	N-BNC-2L	
	Soft carrying bag	BAG-SCC	
	EMI Options	EMI Measurement Kit (Software)	EMI-SSA3000X
	Near Field Probe: H field probe (25 mm, 10 mm, 5 mm, 2 mm) , 30 MHz~3.0 GHz	SRF5030	
Reflect Measurement Options	Tracking Generator Kit (Software)	TG-SSA3000X	
	Reflect Measurement Kit (Software)	RefI-SSA3000X	
	VSWR Bridge Kit: Including RefI-SSA3000X (Software) VSWR Bridge (1 MHz ~ 2 GHz) N(M)-N(M) adapter (2 pcs)	RBSSA3X20	