



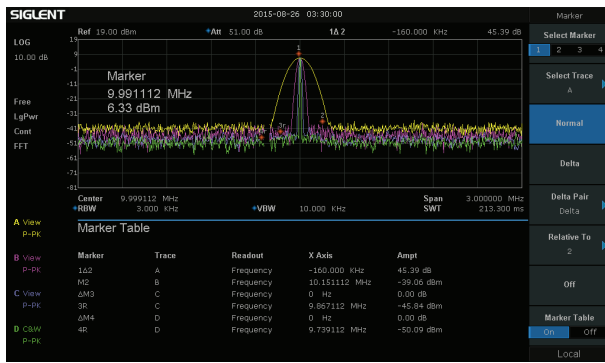
SSA3000X Spectrum Analyzer

Key Features

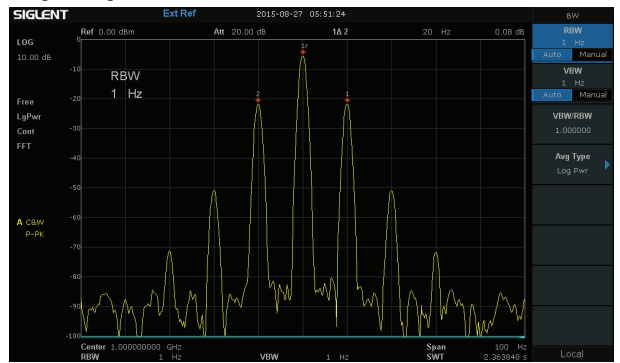
- All-Digital IF Technology
- Frequency Range from 9 kHz up to 3.2 GHz
- -161 dBm/Hz Displayed Average Noise Level (Typ.)
- -98 dBc/Hz @10 kHz Offset Phase Noise (1 GHz, Typ.)
- Total Amplitude Accuracy < 0.7 dB
- 1 Hz Minimum Resolution Bandwidth (RBW)
- Preamplifier Standard
- Up to 3.2 GHz Tracking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

Characteristics

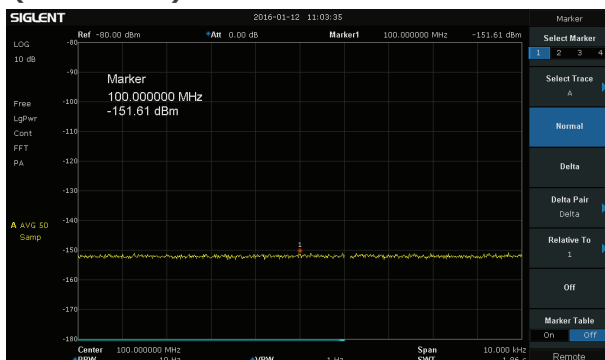
- Support four traces and cursors independently



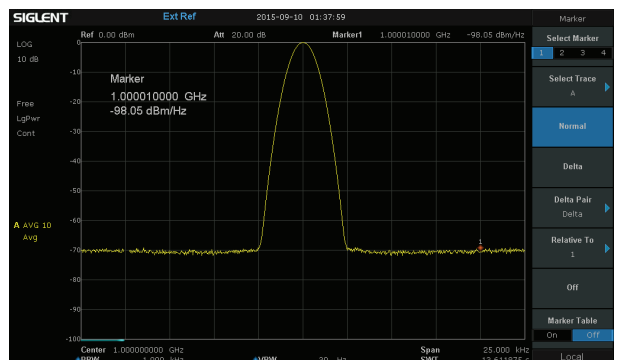
- 1 Hz Minimum Resolution Bandwidth (RBW)



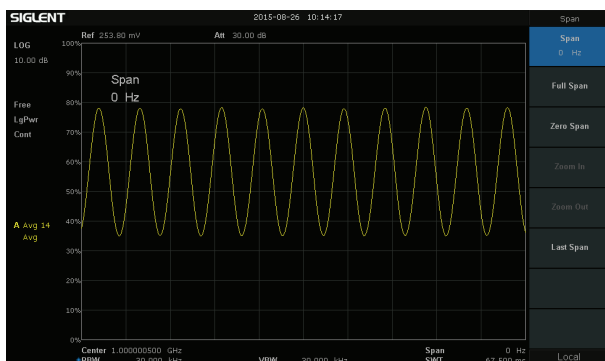
- 151 dBm Displayed Average Noise Level (RBW=10 Hz)



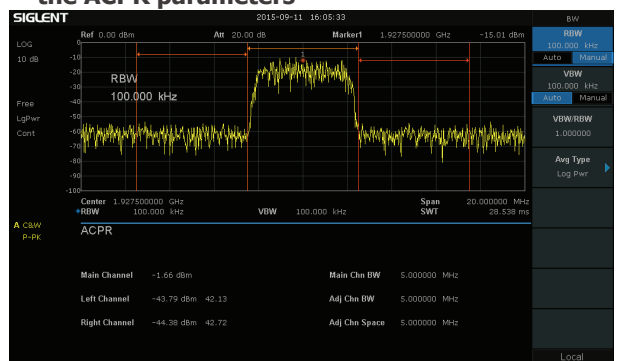
- Phase noise -98 dBc/Hz@1 GHz, offset 10 kHz



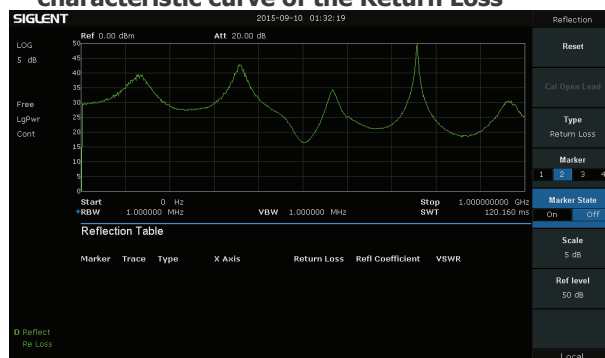
- Demodulation at the zero span



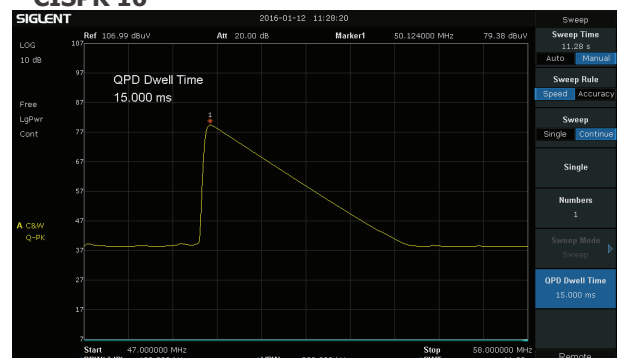
- Advanced power measurement, calculate the ACPR parameters



- 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 | 1 Hz~1 MHz, in 1-3-10 sequence | 1 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 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: EMI Filter and Quasi Peak Detector, EMI test option in EasySpectrum Software | EMI-SSA3000X |
| | | Near Field Probe:H field probe sets (25 mm, 10 mm, 5 mm, 2mm), 30 MHz~3.0 GHz | SRF5030 |
| | | Near Field Probe:H field probe sets (20 mm, 10 mm, 5 mm) , E field probe (5 mm), 300 kHz~3.0 GHz | SRF5030-T |
| Reflect Measurement Options | Tracking Generator Kit (Software) | TG-SSA3000X | |
| | Reflect Measurement Kit (Software) | Refl-SSA3000X | |
| | VSWR Bridge Kit: including Refl-SSA3000X VSWR Bridge(1 MHz~2 GHz) N(M)-N(M) adaptor(2 pcs) | RBSSA3X20 | |
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