T3SA3100 / T3SA3200 Fact Sheet
2.1 GHz and 3.2 GHz Spectrum Analyzers

TELEDYNE TEST TOOLS
Everywhere**you**look™

Broad Measurement Range
Frequency Range Up to 3.2 GHz

Tools for Improved Debugging

• Frequency Range from 9 kHz to 3.2 GHz.	✓ More application coverage from a single Spectrum Analyzer.
• -161 dBm/Hz Displayed Average Noise Level (Typ.)	✓ View and measure very small signals.
• -98 dBc/ Hz @10 kHz Offset Phase Noise (1 GHz, Typ.)	✓ Improved specification gives more accurate measurement results.
• Optional Tracking Generator • Optional EMI Pre-compliance Test Kit • Optional Reflection Measurement Kit	✓ Make fast and simple transmission measurements. Make EMI Receiver measurements to CISPR 16-1-1. Measure VSWR, Return Loss, Reflection Coefficient
• Built-in switchable pre-amplifier.	✓ Integrated pre-amplifier allows higher sensitivity measurements.
• 10.1 inch (25.65 cm) color WVGA 1024 x 600 display.	✓ Clear and flexible display aids ease of use.
• USB Device, USB Host and LAN support.	✓ Remote control your measurements.
• 3 Years Warranty as standard.	✓ Peace of mind.

Key Specifications

Model	T3SA3200	T3SA3100
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

For more information, please contact:

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TELEDYNE LECROY
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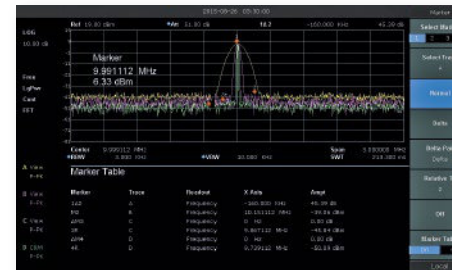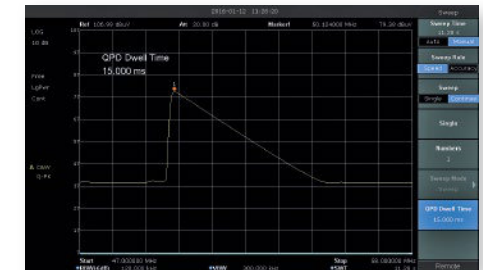
Smart Capabilities as Standard

- High performance specification as standard (see T3SA3000 data sheet for detailed specifications).
- Built-in preamplifier as standard. Enhances your measurement capability and sensitivity when measuring small signals.
- "Preset" and "Auto Tune" for quick set up.
- All-Digital IF Technology.
- Large, bright 10.1 inch (25.65 cm) color WVGA 1024 x 600 display.
- Built-in front panel accessible help system.
- File management (support for U-disc and local storage).
- Lightweight, small footprint, easy to transport.

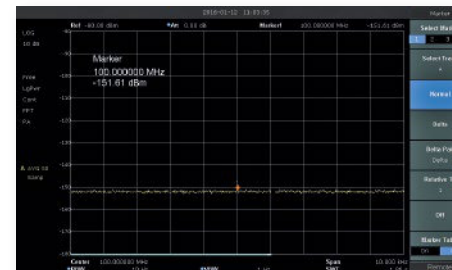## Options to expand your measurement capabilities

- Customize and expand your measurement capabilities further with options
  - › Optional Tracking Generator. Add tracking generator capabilities to your Spectrum Analyzer to make transmission measurements on back planes, cables, filters, amplifiers, etc.
  - › Optional EMI Pre-compliance test kit. Add EMI Receiver Measurements following CISPR 16-1- 1.
  - › Optional Reflection Measurement Kit. Add VSWR, Return Loss and Reflection Coefficient measurements.
  - › Optional Advanced Measurement kit. Add channel power, adjacent channel power ratio, time domain power, occupied bandwidth, third order intercept, etc, to further enhance the measurement capability of your spectrum analyzer.
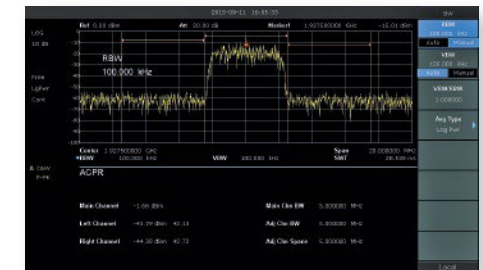- More specification details in the T3SA3000 Data Sheet.
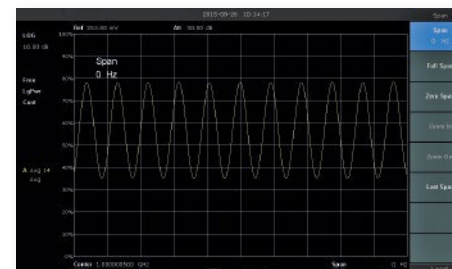

Supports four independent traces and cursors

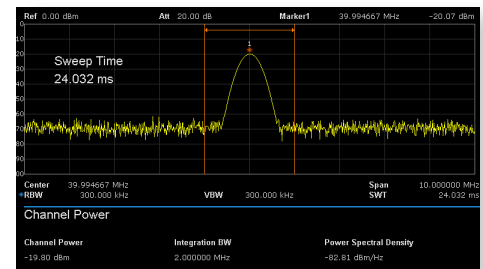*EMI filter and Quasi-Peak detector following CISPR 16-1-1 (T3SA3000-EMI)*

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

Advanced measurement kit (T3SA3000-ADM) includes onscreen ACPR measurements

Zero span and demodulation capabilities

Supports Channel Power and Adjacent Channel Power Measurements (ACPR)