Quick Fact Sheet
Site Master™ S33xE and S36xE

Compact Handheld Cable and Antenna Analyzer with Spectrum Analyzer

Everything you need to meet the challenges of today and tomorrow in a sleek, compact instrument that’s less than 6 lbs.

The Site Master series is the preferred cable and antenna analyzer of wireless service providers, contractors, and installers. It is the most integrated cable and antenna analyzer in the world.

Cable and Antenna Analyzer Key Features

- Measurements: Return Loss, VSWR, Cable Loss, Distance-To-Fault, 1-port Phase, Smith Chart
- 2-port Transmission Measurement: High/Low Power
- Sweep Speed: 1 msec/data point, typical
- Display: Single or Dual Measurement Touchscreen
- Calibration: OSL, InstaCal, and FlexCal
- Bias Tee: 32 V internal

Spectrum and Interference Analyzer Key Features

- Measurements: Occupied Bandwidth, Channel Power, ACPR, C/I, Spectral Emission Mask
- Interference Analyzer: Spectrogram, Signal Strength, RSSI, Signal ID, Interference Mapping
- Coverage Mapping
- Channel Scanner
- AM/FM/PM Analysis
- Dynamic Range: > 95 dB in 10 Hz RBW
- DANL: -152 dBm in 10 Hz RBW
- Phase Noise: -100 dBc/Hz max @ 10 kHz offset at 1 GHz
- Frequency Accuracy: < ± 50 ppb with GPS On

S331E
2 MHz to 4 GHz
9 kHz to 4 GHz

S332E
2 MHz to 4 GHz

S361E
2 MHz to 6 GHz
9 kHz to 6 GHz

S362E
2 MHz to 6 GHz
9 kHz to 6 GHz
Cable & Antenna Analyzer
Spectrum Analyzer

All connections are conveniently located on the top panel, leaving the sides clear for handheld use.
# Site Master™ S33xE and S36xE

## Key Specifications

### Cable & Antenna Analyzer

- **Frequency**: 2 MHz to 4 GHz (S331E, S332E), 2 MHz to 6 GHz (S361E, S362E)
- **Sweep Time**: Minimum 100 ms, 7 µs to 3600 s in zero span
- **Directivity**: > 42 dB, OSL Calibration, > 38 dB, InstaCal™ Calibration
- **Dynamic Range**: > 95 dB (2.4 GHz), 2/3 (TOI-DANL) in 10 Hz RBW

### Spectrum Analyzer

- **Frequency**: 9 kHz to 4 GHz (S332E), 9 kHz to 6 GHz (S362E) (usable to 0 Hz)
- **DANL**: -152 dBm in 10 Hz RBW
- **Phase Noise**: -100 dBc/Hz max @ 10 kHz offset at 1 GHz

### General

- **Internal Trace**: 2,000 traces, 2,000 Setups
- **External Trace**: Limited by size of USB Flash drive
- **Connectivity**: USB cable, USB Memory Stick
- **Display**: Resistive Touchscreen, 8.4” daylight viewable color LCD, 800 x 600, No more than five defective pixels (99.9989% good pixels)
- **Temperature**: Operating Temperature -10 ºC to 55 ºC
- **Battery**: Li-Ion, 4.5 hours, typical (S331E, S361E), 3.5 hours, typical (S332E, S362E)
- **Dimensions**: 273 mm x 199 mm x 91 mm, (10.7 in x 7.8 in x 3.6 in)
- **Weight**: 2.71 kg, (6.0 lbs), (S331E, S361E), 3.71 kg, (8.2 lbs), (S332E, S362E)

### Options

<table>
<thead>
<tr>
<th>Option Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Option 0021</td>
<td>2-Port Transmission Measurement</td>
</tr>
<tr>
<td>Option 0010</td>
<td>Bias Tee (requires Option 21 for S331E/S361E)</td>
</tr>
<tr>
<td>Option 0031</td>
<td>GPS Receiver (requires Antenna)</td>
</tr>
<tr>
<td>Option 0019</td>
<td>High-Accuracy Power Meter (requires External Power Sensor)</td>
</tr>
<tr>
<td>Option 0029*</td>
<td>Power Meter</td>
</tr>
<tr>
<td>Option 0025*</td>
<td>Interference Analysis (recommended option 31)</td>
</tr>
<tr>
<td>Option 0027*</td>
<td>Channel Scanner</td>
</tr>
<tr>
<td>Option 0431*</td>
<td>Coverage Mapping (requires Option 31)</td>
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<tr>
<td>Option 0090*</td>
<td>Gated Sweep</td>
</tr>
<tr>
<td>Option 0028*</td>
<td>C/W Signal Generator (requires external CW Signal Generator Kit, P/N 69793)</td>
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<tr>
<td>Option 0509*</td>
<td>AM/FM/PM Analyzer with Coverage Mapping</td>
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<tr>
<td>Option 0413</td>
<td>Ethernet Connectivity</td>
</tr>
<tr>
<td>Option 0444*</td>
<td>EMF Measurements (requires Anritsu Isotropic Antenna)</td>
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<tr>
<td>Option 0752</td>
<td>CPRI LTE RF Measurements (requires Option 759)</td>
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<tr>
<td>Option 0753</td>
<td>OBSat LTE RF Measurements (requires Option 759)</td>
</tr>
<tr>
<td>Option 0759</td>
<td>RF Over Fiber hardware (requires Option 752 or 753)</td>
</tr>
<tr>
<td>Option 0098</td>
<td>Standard Calibration to ISO17025 and ANSI/NCSL Z540-1. Includes calibration certificate.</td>
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<tr>
<td>Option 0099</td>
<td>Premium Calibration to ISO17025 and ANSI/NCSL Z540-1. Includes calibration certificate, test report, and uncertainty data.</td>
</tr>
</tbody>
</table>

*Available in the S332E and S362E Only

## Standard Accessories

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2000-1654-R</td>
<td>Soft Carrying Case</td>
</tr>
<tr>
<td>2000-1691-R</td>
<td>Stylus with Coiled Tether</td>
</tr>
<tr>
<td>633-75</td>
<td>Rechargeable Li-Ion Battery</td>
</tr>
<tr>
<td>40-187-R</td>
<td>AC-DC Power Supply</td>
</tr>
<tr>
<td>806-141-R</td>
<td>Automotive Power Adapter, 12 VDC, 60 W</td>
</tr>
<tr>
<td>3-2000-1498</td>
<td>USB A/5-pin mini-B Cable, 10 ft/305 cm</td>
</tr>
</tbody>
</table>

Standard three-year warranty, one-year warranty on battery

## Optional Accessories

- **Calibration Components, 50 Ω**
- **Calibration Components, 75 Ω**
- **Adapters**
- **Phase-Stable Test Port Cables, Armored with Reinforced Grip**
- **InterChangeable Adaptor Phase Stable Test Port Cables, Armored with Reinforced Grip**

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