The AntennaAdvisor handheld component for CellAdvisor™ lets technicians at any skill level quickly find RF interference. CellAdvisor automatically and dynamically creates intersection vectors based on three or more interference measurements. The result display includes the physical coordinates and a mapped location of the interferer.

CellAdvisor also performs a radial signal strength test, interpolating consecutive measurements and indicating the direction from which the strongest interferer signal is received. This provides a complete profile of the signal’s transmission, making signal-level comparisons automatically to dramatically speed the interference finding process.

Benefits
- Speeds finding interference
- Lightweight and highly portable
- Designed for seamless use with CellAdvisor™

Features
- Connect to CellAdvisor via USB for RSSI and Radar Chart
- Built-in LNA, GPS antenna, and eCompass
- RSSI to check instantaneous power
- Radar chart to help locate strongest interference signal via localization
- Supports Interference Finder triangulation to estimate location of strongest signal
- Supports broadband log-periodic antenna up to 6 GHz
- Available multi-layer map, “Zoom-in/out”

Interference Finder window in CellAdvisor
Radar Chart window in CellAdvisor
AntennaAdvisor with broadband directional antenna
Specifications

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Power Consumption</strong></td>
<td></td>
</tr>
<tr>
<td>Preamplifier off</td>
<td>0.15 W (typical)</td>
</tr>
<tr>
<td>Preamplifier on</td>
<td>Max 0.6 W</td>
</tr>
<tr>
<td><strong>Preamplifier</strong></td>
<td></td>
</tr>
<tr>
<td>Bandwidth</td>
<td>698 MHz to 6000 MHz</td>
</tr>
<tr>
<td>Gain</td>
<td>&gt;15 dB (typical)</td>
</tr>
</tbody>
</table>

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**Electronic Compass**

- **Power**: Powered from USB
- **Azimuth accuracy**: 4° RMS (typical) after initialization, 6° RMS (typical) with polarization or elevation up to 60° after initialization

**Trigger Button**

- **Single press**: Manual interference detection
- **Long press**: Continuous measurement in Radar Chart
  - Compass calibration followed by pointing handle skywards

**Power Button**

- Power button for LNA

**Interface**

- **SMA**: Connection port for broadband YAGI antenna
- **USB**: USB cable terminated with a USB Type A female plug, 2.0 m
- **RF**: Coax cable with Type-N male connector, 1.3 m
- **GPS**: Coax cable with Type-SMA male connector, 1.3 m

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**Tripod Mount**

- 1/4 - 20 UNC x 7 mm

**Electromagnetic Compatibility**

- **EMC**
  - RoHS Directive: 2011/65/EU (CE Mark)
  - EN61326-1:2013
  - Radiocomms Labeling (Electromagnetic Compatibility) Notice 2008

**Environmental Compatibility**

- **RoHS Directive**: 2011/65/EU (CE Mark)
- **WEEE Directive**: 2012/19/EU (WEEE Logo)
- **MII Order 39, 2006 (China RoHS)** (China RoHS mark)

**Environmental**

- Operating temperature: −20°C to 55°C
- Maximum humidity: 95% non-condensing
- **Shock**: MIL-PRF-28800F Class 2

**Size and Weight**

- **Weight**: 530 g
- **Dimension**: 210 x 105 x 180 mm

**Ordering Information**

<table>
<thead>
<tr>
<th>Description</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>AntennaAdvisor Handle (requires Cell Advisor interference analysis option 011)</td>
<td>JD70050007</td>
</tr>
<tr>
<td><strong>Standard Accessory</strong></td>
<td></td>
</tr>
<tr>
<td>Soft carrying case</td>
<td></td>
</tr>
<tr>
<td><strong>Optional Accessory</strong></td>
<td></td>
</tr>
<tr>
<td>RF Yagi antenna SMA(f), 698 MHz to 4000 MHz, 3.85 dBi (typical)</td>
<td>G700050366</td>
</tr>
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<td>G700050367</td>
</tr>
</tbody>
</table>

Contact Us  
+1 844 GO VIAVI  
(+1 844 468 4284)  
To reach the Viavi office nearest you, visit viavisolutions.com/contacts.

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antennaadvisor-ds-nsd-nse-ae  
30179507 004 0717

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