what’s the frequency?

affordable, portable
...select from our line of
EMC Spectrum Analyzers!

features:
Standard units of measurement include:
V/m, A/m, Tesla and Gauss
Internal sensor and external SMA input
Extended Data Logging
3D magnetic readings
ICNIRP and other recognized limits

Pre-Compliance Testing
Radiated Emissions
Open Area or EMI Chamber testing
Radiated / Conducted Emission testing
Exposure Limit testing

master your EMC world...
power plants » power lines » railroad » industrial control »
military » test & design » power supplies » motors » welding »
switching electronics » medical implanted exposure concerns »
home appliances and their respective power cables » exposure
concerns from power transmission lines » transmission towers »

Kaltman Creations, LLC
www.AaroniaUSA.com
864-885-0700
**Handheld or connected to a PC** — Ergonomic, easy to hold handheld unit with LCD display and easy-access menu. Or, use it with our custom, intuitive PC software.

**Real time PC Software** — USB connection, spectral and waterfall displays, exposure limit criteria, click & drag zoom, custom profiles... calculates several authoritative exposure limits, precautionary limits and recommendations (simply selectable via a button).

**Huge 3.5" LC display** — High-resolution, superb, crisp digital display (80x60mm)! FSTN quality with various numeric indicators, multi-function graphics display with 25x51 pixels — 1530 pixels, large bar-graph and various text display functions.

**Power input** — For external power supply and recharging the internal battery.

**SMA connector** — High-end gold-plated 18 GHz design with over-torque protection.

**Exposure Limits Standards** — ICNIRP, BGRB11, BImSch, TCO99

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### Technical Specifications — Spectran® EMC Spectrum Analyzers

<table>
<thead>
<tr>
<th>Frequency Range</th>
<th>NF-1010</th>
<th>NF-1010E</th>
<th>NF-3010</th>
<th>NF-3020</th>
<th>NF-5010</th>
<th>NF-5035*</th>
</tr>
</thead>
<tbody>
<tr>
<td>1Hz</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
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<tr>
<td>10Hz</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>2kHz</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10kHz</td>
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<tr>
<td>400kHz</td>
<td></td>
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<td></td>
<td></td>
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<tr>
<td>1MHz</td>
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</tr>
<tr>
<td>30MHz</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>10Hz-2kHz</td>
<td>10Hz-10kHz</td>
<td>10Hz-400kHz</td>
<td>10Hz-400kHz</td>
<td>1Hz-1MHz</td>
<td>1Hz-1MHz</td>
</tr>
<tr>
<td>Typical Noise-level (μV/m)</td>
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<td>1V/m</td>
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<td>0.1V/m</td>
<td>0.1V/m</td>
<td>0.1V/m</td>
</tr>
<tr>
<td>Typical Range (μV/m)</td>
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<td>100μT</td>
<td>100μT</td>
<td>200μT</td>
<td>200μT</td>
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<tr>
<td>Filter bandwidth (MHz)</td>
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<td>1Hz</td>
<td>1Hz</td>
<td>1Hz</td>
<td>1Hz</td>
<td>1Hz</td>
</tr>
<tr>
<td>Power Bandwidth (MHz)</td>
<td>10kHz</td>
<td>10kHz</td>
<td>10kHz</td>
<td>10kHz</td>
<td>1MHz</td>
<td>1MHz</td>
</tr>
</tbody>
</table>

**DSP signal processor** — Integrated high-performance signal processor (DSP) for super-fast calculations and display updates.

**USB 2.0 connector** — For computers or notebooks, for optimal utilization of our free professional PC analysis software and for firmware updates via internet.

**Market Points** — Unlimited, on screen markers which indicate frequency, signal level, and bandwidth between markers.

**Custom Profiles** — Create custom profile setting within the PC software accessible from a simple pull-down window.

**Long-Term Logging** — Indispensable for serious evaluation of exposure by appliances and machinery which use changing power consumption or radiation strength over time.

**3D Magnetic Measurements** — 1D, 2D, or 3D Magnetic measurements with our proprietary real-time 3D miniature sensor coil.

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* USA version — pre-configured 12-bit DDC filter

Specifications subject to change without notice.