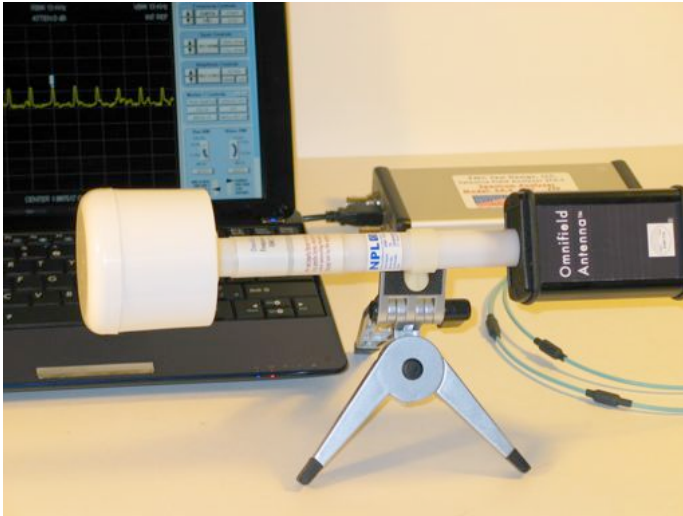


Selective Field Analyzer SFA-S



Selective Field Analyzer SFA-S

Active broadband isotropic antenna combined with portable **USB powered spectrum analyzer**. OFA-S antenna has frequency response independent of antenna or electric field orientation. It offers broad dynamic range for the variety of RF regulatory, safety, EMC, wireless and telecommunications applications. Spectrum analyzer SA-S displays the frequencies and field strength of selected signals, allowing all results to be viewed and stored on PC.



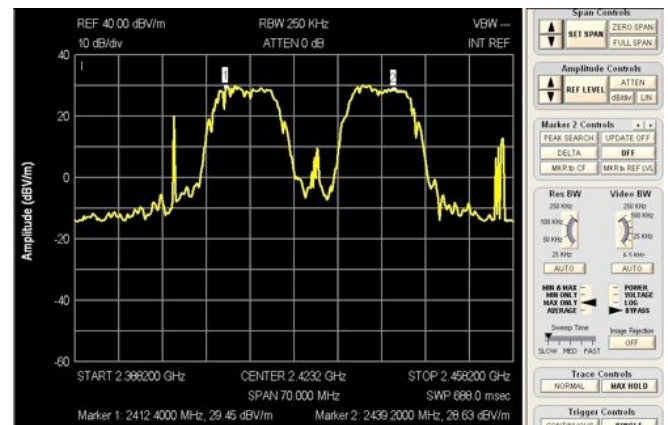
OmniField Antenna® OFA-S, consists of antenna head with handle and detachable power unit **PU-5S**.

Antenna head has 3 antennas positioned normal to each other. Signals from each antenna are combined to allow output signal to be proportional to the absolute value of the field regardless of the field direction.

Power unit contains gain stage, rechargeable battery and connectors for the antenna and output cable.



Spectrum Analyzer SA-S is equipped with powerful RF signal processing software, preprogrammed with OFA-S antenna factors, allowing the display of the measurement data in natural field strength or power density units.



Selective Field Analyzer SFA-S

Specification of the OFA-S

- Antenna Sensor: **Isotropic 3-Axis.**
- Frequency range: **30 MHz - 3 GHz.**
- Dynamic range: **3 mV/m - 300 V/m.**
- Dimensions:
Antenna Unit (LxD) **9.0"x2.75".**
Power Unit: **3.75"x2.25"x1.25".**
- Antenna rechargeable battery operation time: **12 hours.**
- Warranty and Calibration Period: **1 year.**
- **Calibration certificate, traceable to US NIST/UK NPL, with measured Antenna Factors and Rotational Isotropy.**

Specification of the SA-S

- RF Frequency Range: **1 Hz-4.2 GHz.**
- Dynamic range: **-140 to +15 dBm.**
- Resolution Bandwidth:
1 Hz-250 KHz and 5 MHz.
- Dimensions: **7"x3"x1".**
- Power: **Powered by USB port.**
- Warranty and Calibration Period: **1 year.**

Standard SFA-S set Includes:

- Antenna unit **OFA-S.**
- Power unit **PU-5S.**
- Spectrum analyzer **SA-S.**
- Custom 5 ft. ferrite beaded RF cable.
- AC/DC plug-in charger.
- USB cable for PC connection.
- Table tripod, mounting accessories.
- Users Manual with documentation.
- Rugged plastic storage case.



Optional Accessories

- Extendable 5 ft. tripod.
- Custom length RF cables.
- Extended maintenance contract.

Purchasing the SFA-S

Inquire about **Selective Field Analyzer** and **Omnifield Antenna®** by sending us an e-mail to exid@emctd.com, or give us a call: **508-292-1833** and look at our web site: www.emctd.com.

We can arrange the demonstration of **Selective Field Analyzer SFA-S** by our distributor in your country.

Our mail address:

EMC Test Design, LLC® P.O. Box 600532, Newton, MA 02460, USA.

