Selective Field Analyzer SFA-S

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.

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.

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 Isotropcity.

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.

Optional Accessories

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

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.

Distributed by: Reliant EMC LLC, 3311 Lewis Ave, Signal Hill CA 90755, 408-916-5750, www.reliantemc.com