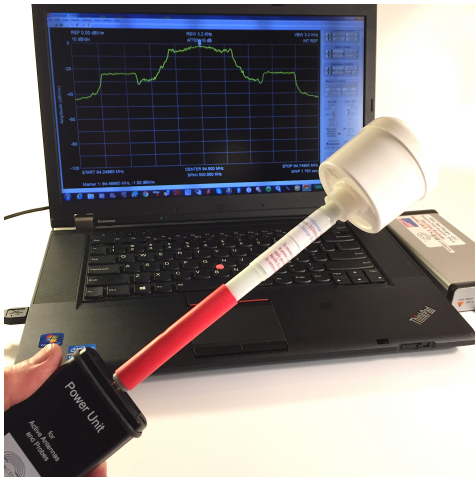


# Omnifield Antenna® OFA-GH and Selective Field Analyzer SFA-GH



## Selective Field Analyzer SFA-GH

Active broadband high field strength **isotropic antenna OFA-GH** combined with portable **USB powered spectrum analyzer SA-S/J**. OFA-GH 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. Its small size, low power consumption and high field strength range are optimally suited for airborne **drone field surveillance applications**. Spectrum analyzer SA-S/J displays the frequencies and field strength of selected signals, allowing all results to be viewed and stored on PC (or wirelessly broadcasted from the drone if needed).

## Specification of the OFA-GH

- Antenna Sensor: **Isotropic 3-Axis**.
- Frequency range: **30 MHz - 6 GHz**.
- Dynamic range: **10 mV/m - 500 V/m**.
- Dim.: Antenna (LxD) **9.0"x2.25"**.  
Power Unit: **3.75"x2.25"x1.25"**.
- Antenna rechargeable battery operation time: **20 hours**.
- Warranty and recommended calibration period: **1 year**.
- **Calibration certificate, traceable to UK NPL with measured linearity, antenna factors and rotational isotropicity.**

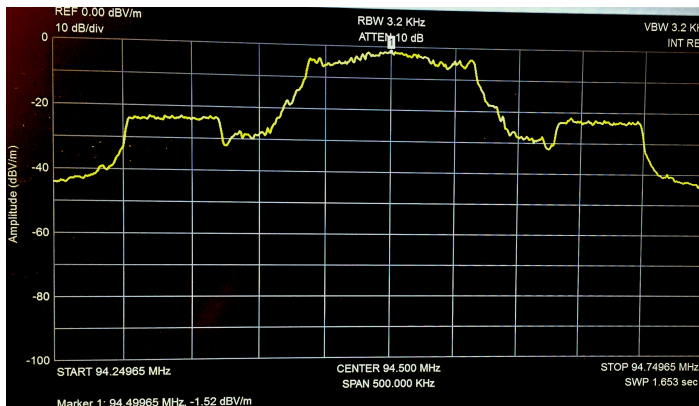


**Omnifield Antenna® OFA-GH** consists of antenna head with handle and detachable power unit **PU-5G**. Antenna head has 3 antennas positioned normal to each other. Signals from each antenna are combined to allow output signal to be proportional to the absolute value of the field regardless of the field direction. Power unit contains gain stage, rechargeable battery and connectors for the antenna, output cable and charger.

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



## Specification of USB Spectrum Analyzers

We offer two models of USB spectrum analyzers:

- **SA-S: 1 Hz - 4.4 GHz** and
- **SA-J: 100 KHz - 12.4 GHz.**
- Dynamic range: **-151 to +10 dBm.**
- Res. BW: **0.1 Hz-250 KHz.**
- Dimensions: **7"x3"x1".**
- Power: Powered by USB port.
- Warranty and Calibration Period: **1 year.**

## Standard SFA-GH set Includes:

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

## Optional Accessories

- Custom length RF cables.

