Today’s electronic manufacturer needs more than just a production line. EMC requirements demand advanced development and test facilities, as well as the knowledge to design and implement effective EMC requirements. As sophisticated electronics permeate modern life carefully, controlled electromagnetic environments become essential. Shielded rooms and architectural shielding are an integral component in modern facility design. Communication centers, Calibration and EMC laboratories, Hospitals and many other facilities all require electromagnetic shielding.

### Features

- Precision stable field reference generator.
- Frequency range 10 MHz – 1.5 GHz.
- Frequency spacing selectable 1 MHz or 5 MHz.
- Frequency and amplitude stability not affected by the battery voltage.

### Benefits

- Rechargeable, longlife NiMH battery.
- Compact, light-weight design.
- Easy to use.
- Can be mounted on a Tripod.

The Comtest Field Reference Source is a stable, broadband reference generator. The source is designed for rapid evaluation of an EM test site and its performance. The field reference source uses a precision transmission line pulser to generate an accurate, stable output at a repetition rate of 1 or 5 MHz.
**Specifications**

**Model 1410**

**Technical data**
- Frequency range: 10 MHz – 1.5 GHz
- Frequency spacing: 1 MHz or 5 MHz, selectable

**Stability**
- Frequency: 100ppm over 0 – 70°C
- Amplitude: ± 0.1 dB over the battery life time

**Battery operation**
- Battery operation time: approx. 30 hrs
- Battery type: 6 AA NiMH, internal.
- Charge time approx.: 6 hrs

**Connectors**
- Antenna: N-female jack

**Field Reference Source System consists of:**
- 1410-000: Field Reference Source
- 1410-001: Antenna
- 1410-002: Charger

**Option:**
- 1410-003: Tripod

**Special FRS:**
- 1410-100: Low Freq. FRS
- Frequency range: 100kHz – 1.0 GHz
- Frequency spacing: 50kHz or 500kHz, selectable

**Connectors**
- Antenna: N-female jack

**Field Reference Source System consists of:**
- 1410-000: Field Reference Source
- 1410-001: Antenna
- 1410-002: Charger

**Option:**
- 1410-003: Tripod

COMTEST Engineering B.V. is dedicated to provide its customers with a complete solution and the latest products that meet their requirements. Through a network of qualified distributors throughout Europe, USA and Asia, Comtest Engineering B.V. is able to supply a full range of products and services including:

**EMC Training**
- Both published and custom tailored in-house training courses.

**System Integration**
- Configuration of fully automated EMC test systems.

**Project Management**
- Turnkey EMC facilities, including design, engineering, installation and supervision (Modular OATS, Full Anechoic Chambers, Semi Anechoic Chambers, EMC test equipment).

**Service Support**
- Calibration and repair services for a wide range of EMC products including RF instrumentation and Pulsed EMI Simulators.

**Maintenance Contracts**
- Regular maintenance for EMC facilities, including verification test services.

**Consultancy Services**
- EMC problem solving, on site surveys and product development assistance.

**Application Software**
- Full compliance conducted and radiated immunity software.

For latest information visit our web site. [www.comtestnl.com](http://www.comtestnl.com)

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**All specifications subject to change without prior notice. Printed in the Netherlands. (rev. 1.5, may 2004)**