

**Field Reference Source****Model 1410**

*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.*

**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.

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.

## 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

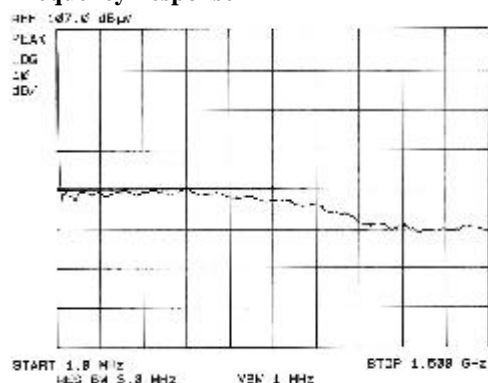
### Option:

1410-003 : Tripod

### Special FRS:

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

### Frequency response



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- 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.
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