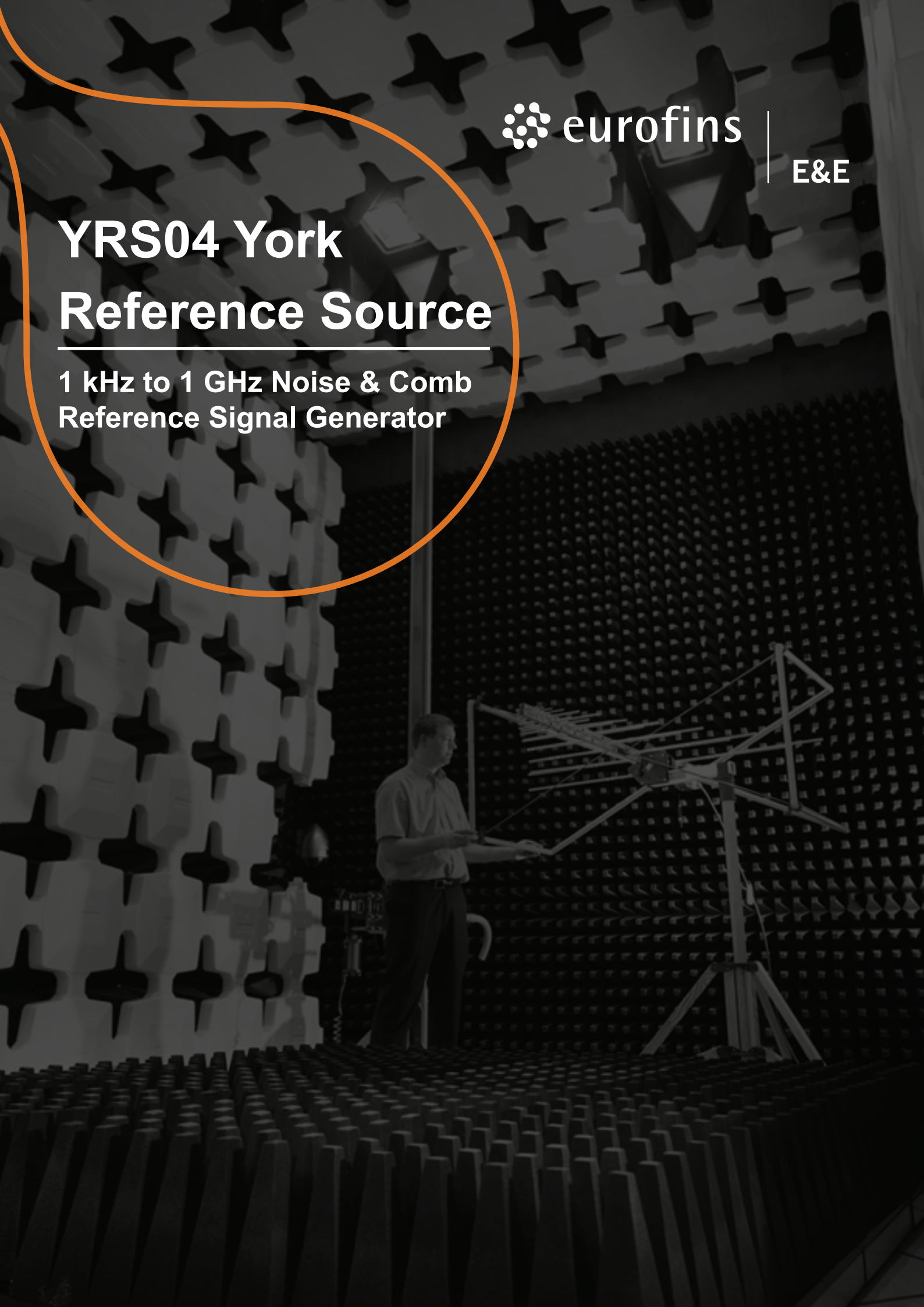




E&E

YRS04 York Reference Source

1 kHz to 1 GHz Noise & Comb
Reference Signal Generator



The YRS04 is a Noise and Comb reference noise generator, capable of outputting over a frequency range of 1 kHz to 1 GHz

It is the ideal reference source for carrying out the verification and validation of conducted and radiated measurement systems as well as in the investigation and characterisation of measurement environments such as Fully- or Semi-Anechoic chambers, Open Area Test Sites.



Overview

The YRS04 is one of Eurofins E&E UK's latest line of noise and comb reference sources, building on more than 30 years experience of producing quality signal reference sources for EMC test laboratories.

The YRS04 can generate output signals covering 1 kHz to 1 GHz and combines both noise and comb signal capabilities in a single device.

The YRS04 is battery-powered for standalone operation without additional power cables, and features dual 50 Ω N-type output connectors for direct connection to conducted measurement systems.

For conducted emission test systems, the optional NIA02 is a direct-coupling adapter providing an IEC 320 inlet for single-phase LISNs and a selection of 4 mm connections for general-purpose test applications.

A configurable monopole antenna is available, allowing the YRS04 to be used as a standalone reference radiating source in an electromagnetic test environment or radiated emission test system such as a Fully- or Semi-Anechoic Room.

The YRS05 is compact, with its small size and shape designed to produce a uniform radiated field.

Features

- 1 kHz to 1 GHz output
 - Applications across a broad spectrum of uses
- Stable output
 - Repeatable measurements
- Selectable noise or comb output
 - Flexibility across a range of applications
- Compact and portable
 - 85 x 85 x 85 mm, 0.8 kg
- Battery power supply
 - No power cable effects on measurements

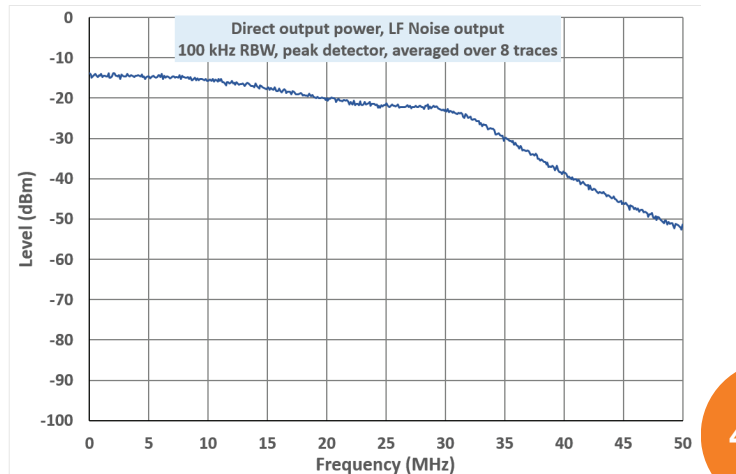
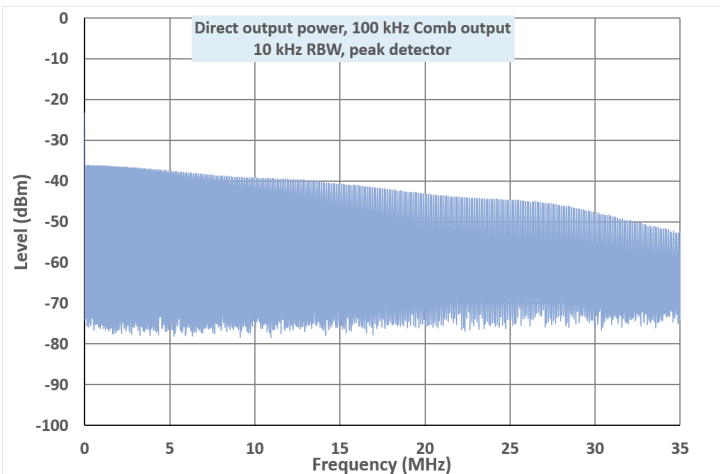
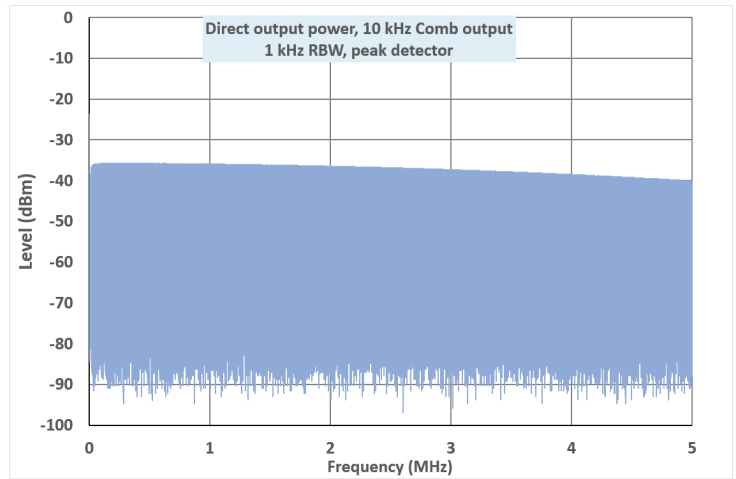
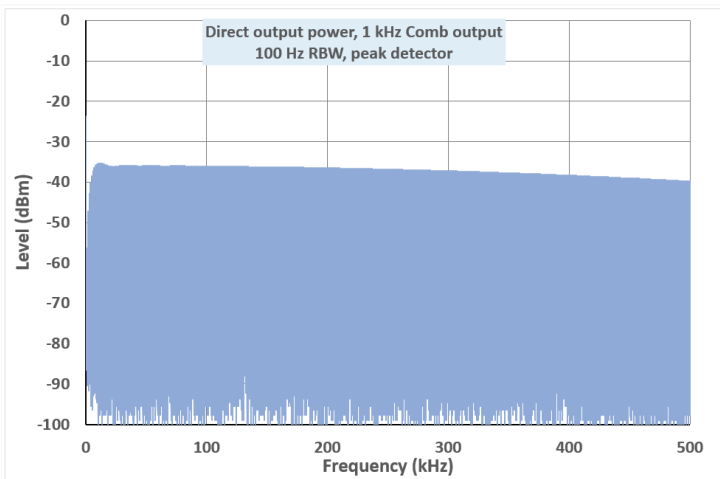
Applications

- Conducted and radiated measurement systems validation and verification
- Investigation and characterisation of different measurement environments such as Fully- or Semi-Anechoic chambers, Open Area Test Sites
- Reference source for:
 - Regular pre-test checks as required to satisfy accreditation authorities and standards such as ISO 17025, DEF STAN 59-411
 - Comparisons between test sites
 - Long-term performance monitoring
 - Investigation of screened room behaviour
 - Cable loss measurements
- Evaluating component assembly characteristics e.g. filter loss, amplifier gain and bandwidth
- Spectrum analyser, receiver, antenna, and cable pre-checks
- Inter-laboratory and Proficiency Test programs

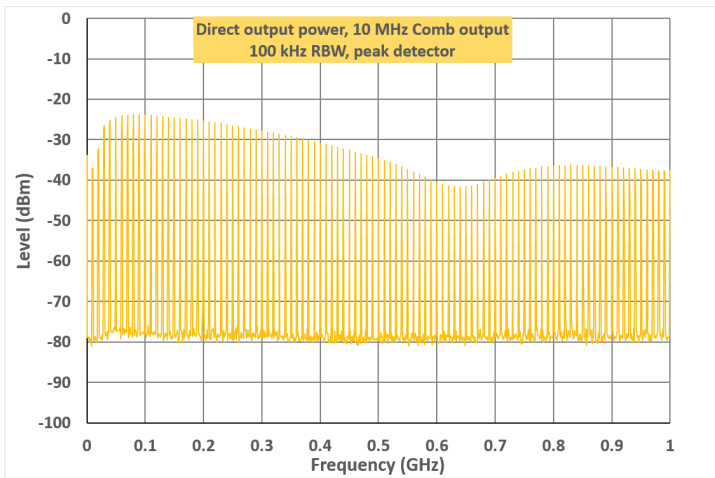
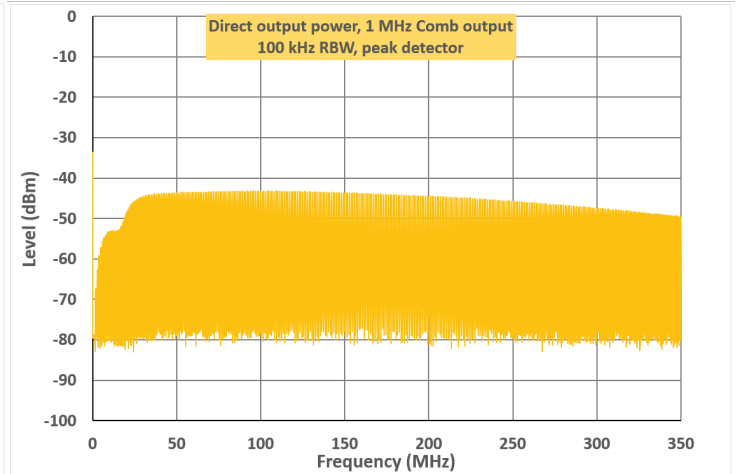
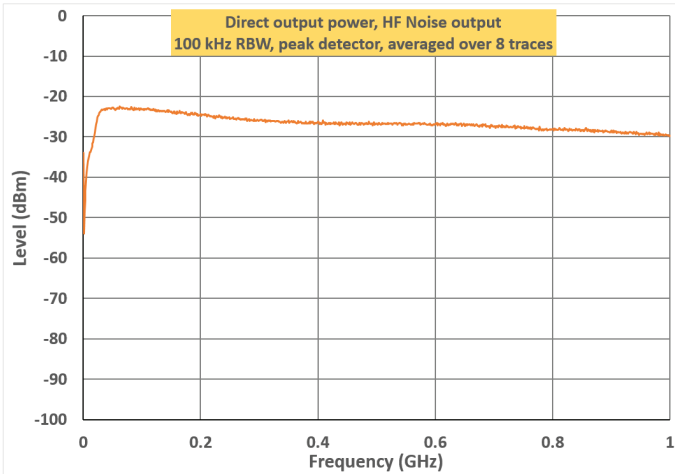


YRS04KIT02 - Shown without carrying case

YRS04 Typical direct output measurement results



YRS04 Typical direct output measurement results



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