Direct RF Source (DRFS)

A unique **electromagnetically-isolated** Comb Generator RF source with **Quasi-Peak** (QP) detector test functionality.

Ideal For:

- Verification of RF Emission Measurements
  - Any RF Test Laboratory Site, Complex RF Test Environment, or Shielding Effectiveness Assessment
- Quasi-Peak Detector Verification
- Daily Quick-Checks of Test Equipment

Features:

- Direct output frequency range extended to:
  - **1.8 MHz to 16 GHz**
- Selectable fundamental clock frequencies[1]:
- Selectable mode for Quasi-peak detector testing
- SMA RF connector output
- Rechargeable Li-Ion batteries for long test operations

Advanced technology for accurate electromagnetic measurements

AET
Applied Electromagnetic Technology

P.O. Box 1437, Solomons, Maryland 20688-1437, Phone: (410) 474-1009, Fax: (410) 326-6728
info@appliedemtech.com • www.appliedemtech.com

Direct RF Source (DRFS)

Direct RF Source

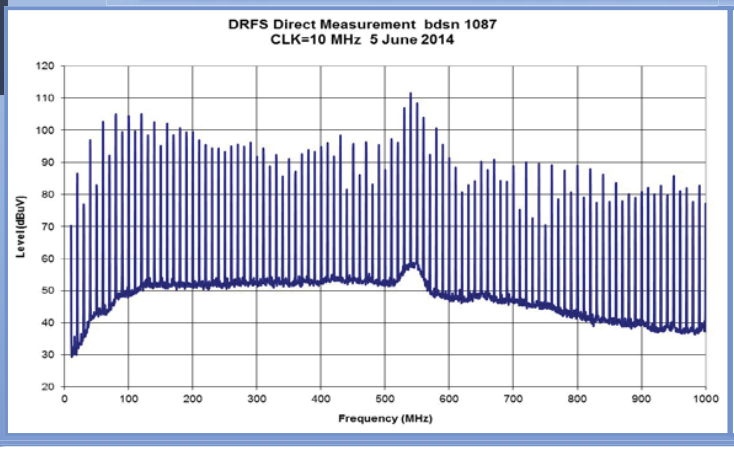
- Broad RF output frequency range up to 16 GHz
- 4 selectable fundamental clock frequencies
- Quasi-Peak detector verification
- High output levels across frequency range
- SMA connector interface feeds 50 ohm RF load

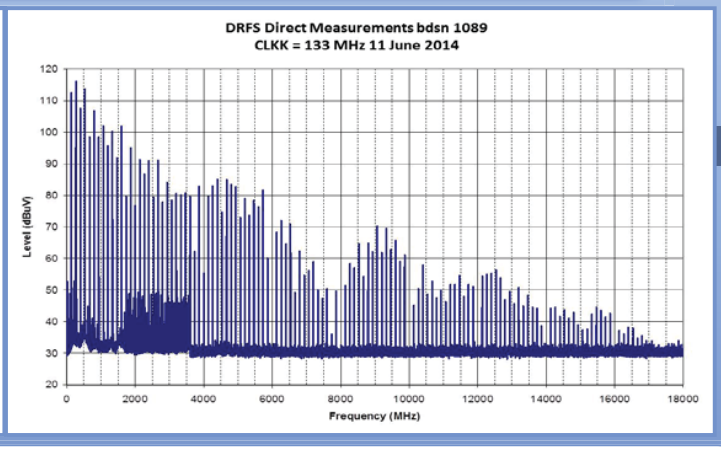
Batteries

- Two Li-Ion rechargeable battery cells inside the enclosure
- External DC jack easily accesses internal charging circuit
- AC/DC supply is certified by international safety agencies
- Blades provided for international AC outlet configurations

Bench/Tripod Use

- Connect directly to RF equipment
- Highly stable comb output
- Easy to use, highly predictable
- RF Isolation with batteries
- 15 Hours of continuous operation
- Tripod mountable





The Direct RF Source (DRFS) provides real-world RF laboratory and field measurement teams a versatile broad-band comb generator source!

The DRFS is a unique RF source using a comb generator to address many requirements in both the research and test community. It can be connected to any transmit antenna to create a flexible battery operated RF source, or it can be connected directly to any RF receiver to very functionality. The RF signal is a stable and highly repeatable comb generator with fundamental frequencies selected by the operator.

Equipment Verification

Antennas/Baluns/Cables/Receivers can all develop problems that may go unnoticed, requiring expensive and time consuming re-testing. The DRFS is ideal as an easy to use RF source for daily high frequency measurement equipment checks. The selectable pulsed RF function allows users to quickly verify Quasi-Peak detectors and Peak detectors performance separately.

[1] Standard 10, 64, 100, & 133.3 MHz clocks, other custom frequencies available
[2] Spectrum Analyzer Resolution Bandwidth = 100 KHz
[3] Specifications subject to change without prior notice