



Finally a Comb Generator that Gives You the Freedom to Quickly and Accurately Test Quasi-Peak and Peak Detectors!

*Introducing
the*

Direct RF Source

A unique **battery operated** and **broadband** comb generator source with **Quasi-Peak** (QP) source functionality.

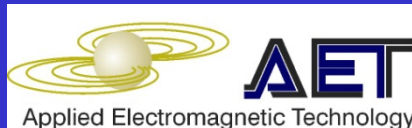
Ideal for

- Verification of RF Measurement Detectors
 - Any RF Test Laboratory Site, or Complex RF Test Environment
- Quasi-Peak Detector Verification
- Daily Quick Checks of Test Equipment

Features

- Comb Generator Frequency Ranges:
 - 10 MHz to >15 GHz
 - Selectable Fundamental Frequencies of 10 MHz, 64 MHz, 100 MHz and 133 MHz¹
- Low Frequency Pulsed RF for Quasi-peak Testing
- Isolated Using AA or AAA Rechargeable Batteries
- Useable Harmonics at least 10 dB above typical noise floor @ 12GHz²

NEW
Comb Generator
with Low Frequency Pulsed Output for
Quasi-Peak Detector Verification



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

Advanced technology for accurate electromagnetic measurements

Direct RF Source

Direct RF Source

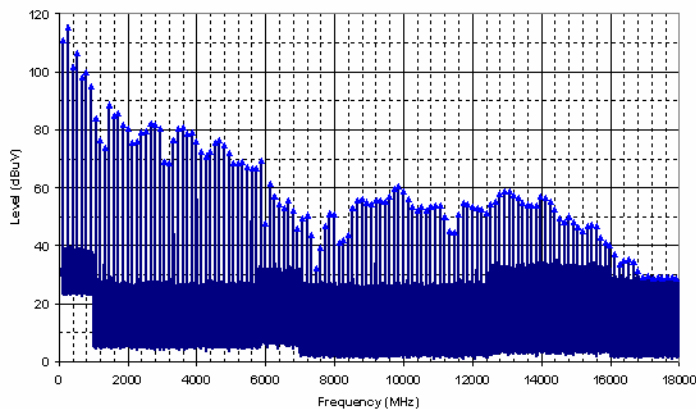
- Broad CG RF Output Frequency Range
- Quasi-Peak Detector Verification
- High Output Levels Across Frequency Range
- Can be connected to Any Antenna

Bench Top Use

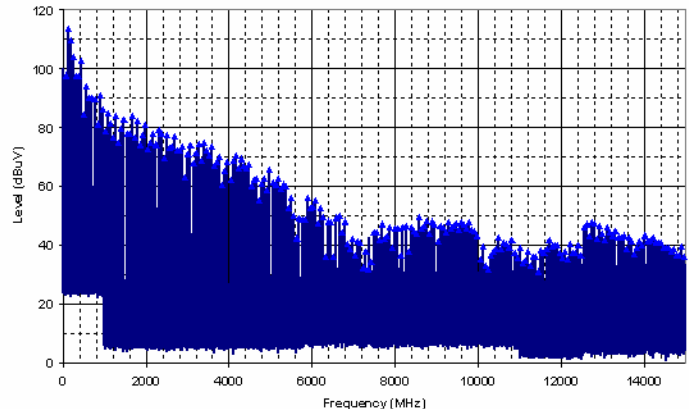
- Connect Directly to Receiver
- Connect to Standard Transmit Antennas
- RF Isolation with Batteries; 6-8 Hours of Operating Time
- 50 ohm SMA RF Connector



Typical DRFS Direct Measurement
133 MHz Clock



Typical DRFS Direct Measurement
64 MHz Clock



Batteries

- Uses Either Low Cost AA Batteries or AAA Ni-MH Rechargeable Battery Cards Inside DRFS
- Designed to Provide Long Operating Time
- Easy Battery Access for Battery Changing or External Charging for Real-World Applications

The Direct RF System (DRFS) was designed to provide real-world RF laboratory and field measurement teams a versatile broad-band comb generator source!

The DRFS is a unique product, a comb generator source that addresses many requirements in both the research and test community. This RF signal is internally generated by a stable Comb Generator (CG) and amplified to create a highly repeatable RF source. The fundamental frequency of the CG is factory set at 10 MHz, but can be adjusted by the operator to any of 4 fundamental frequency settings (10, 64, 100 and 133 MHz). [NOTE: Custom frequencies are available.] The SMA connector allows quick connection either directly to test receivers and spectrum analyzers or to any standard transmit antenna.

Equipment Verification

Ideal as a RF source for daily high frequency measurement equipment checks, and is especially unique to provide laboratory assessment of equipment Quasi-Peak detector performance (QP typically ~ 3 dB lower than peak for the DRFS). Applicable to OATS, GTEMs, semi-anechoic or shielded rooms, and any standard or complex RF test environment.

¹ Other frequencies available upon request

² Spectrum Analyzer Resolution Bandwidth = 10 KHz

NOTE: Specifications subject to change without prior notice