



承儀電子股份有限公司  
EMC Instruments corporation

# DATA SHEET | **CG118-100CF / CG118-100RF**

## Comb Generator

- Frequency Range : 100MHz – 18GHz @3m
- Frequency Step : 100MHz
- Power Requirements : USB mini , + 5 Vdc
- Output Connectors : 50 ohm , SMA Female
- Charging Time : 10~12 Hours
- Re-Charge Time : 5 Hours
- Size : 120mm(W)\*82mm(D)\*85mm(H)
- Net Weight : 1.1Kg



Sales Partner:



ABSOLUTE EMC Llc.  
Covering sales in North America  
United States, Mexico, & Canada

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Comb Generator

CG118-100CF/-100RF

## Features

- Frequency Range : 100MHz -18GHz @3m
- Frequency Step : 100MHz

## Description

The CG 118 series Comb Generator is a radiated reference signal source . As a conducted signal source , the output is available directly from the connector . An antennas is supplied with the Comb Generator for generating radiated reference signals. It is a self-contained source of signals consisting of frequency harmonics at 100MHz intervals, and is usable from 100MHz up to at least 18GHz.

The Comb Generator is powered by a rechargeable internal battery and external power cable connection. When fully charged, the battery allows continuous operation of up to 16 hours. The Comb Generator includes a battery charger , USB cable , antenna and accessories that are shipped in a wooden storage box.



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## Application

The main application of Comb Generator is to quickly verify radiated emissions test setups. And the most important application is trouble shooting Open Area Test Sites(OATS)/Chamber.An OATS must be completely calibrated before it is put into service.

With the Comb Generator , the test engineer will be able to perform a quick verification of the radiated test setup more frequently to assure accurate test results . For example , any problem or change with antenna, attenuator or receiver will be reflected in the Comb Generator data with the same setup . The same method can be utilized when EMC emissions measurements for a product varies with sites. The Comb Generator can be used to determine if the test sites are causing the variation.

Other uses of the Comb Generator include evaluating shielding effectiveness or resonance performance of enclosures for electronic equipment.



### Specification

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### Order Information

CG118-100RF	CG118-100CF

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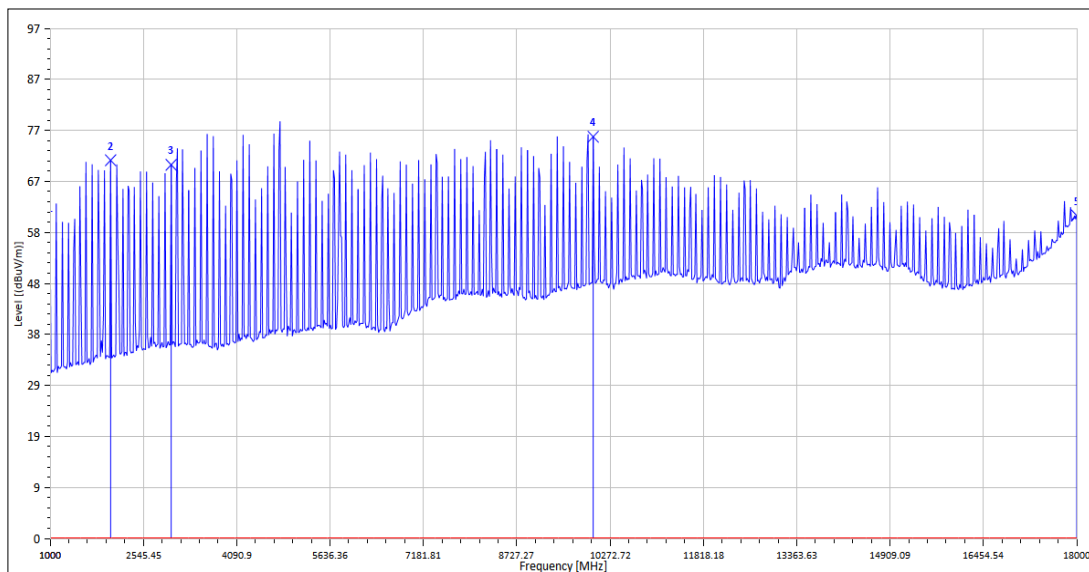
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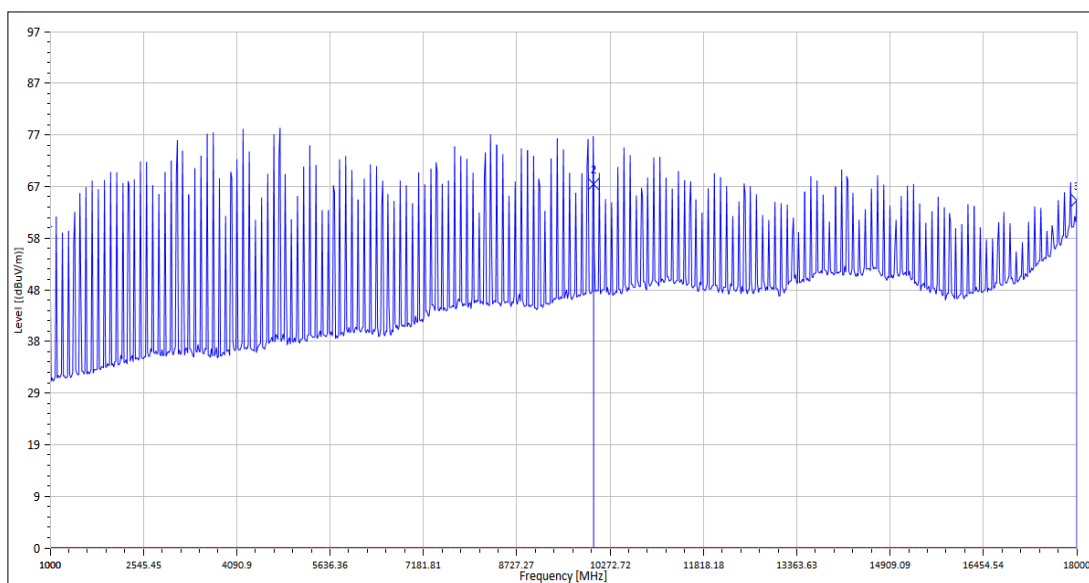
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## Vertical



## Horizontal



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