



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

DATA SHEET | **CG140-1000C / CG140-1000R**

Comb Generator

- Frequency Range : 1GHz – 40GHz @3m
- Frequency Step : 1GHz
- Stability : 2dB max
- Power Requirements : USB mini , + 5 Vdc
- Output Connectors : 50 ohm , 2.92mm Female
- Charging Time : 8~10 Hours
- Usage Time : 6 Hours
- Size : 120mm(W)*82mm(D)*85mm(H)
- Net Weight : 1.1Kg



Sales Partner:



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

absolute-emc.com
Phone:703-774-7505
info@absolute-emc.com

www.emci.com.tw



Features

- Frequency Range : 1GHz -40GHz @3m
- Frequency Step : 1GHz
- Stability : 2dB max

Description

The CG140 series Comb Generator is a radiated reference signal source. As a conducted signal source, the output is available directly from the connector. An antenna is supplied with the Comb Generator for generating radiated reference signals. It is a self-contained source of signals consisting of frequency harmonics at 1GHz intervals, and is usable from 1 GHz up to at least 40GHz.

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 6 hours. The Comb Generator is included with a battery charger, USB cable, antennas and accessories are shipped in a wooden storage box.



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 quick a verification of the conducted 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.



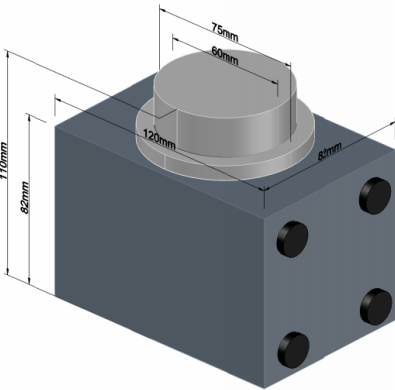
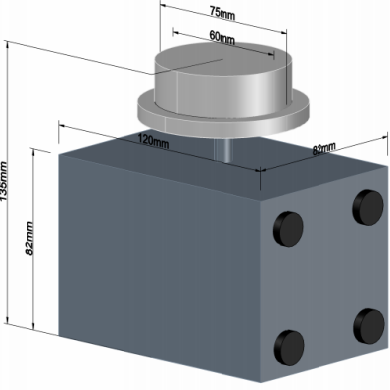
Other uses of the Comb Generator include evaluating shielding effectiveness or resonance performance of enclosures for electronic equipment.



Specification

Frequency Range	1GHz – 40GHz @3m
Frequency Step	1GHz
Stability	2dB max
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Order Information

CG140-1000R	CG140-1000C
	
	

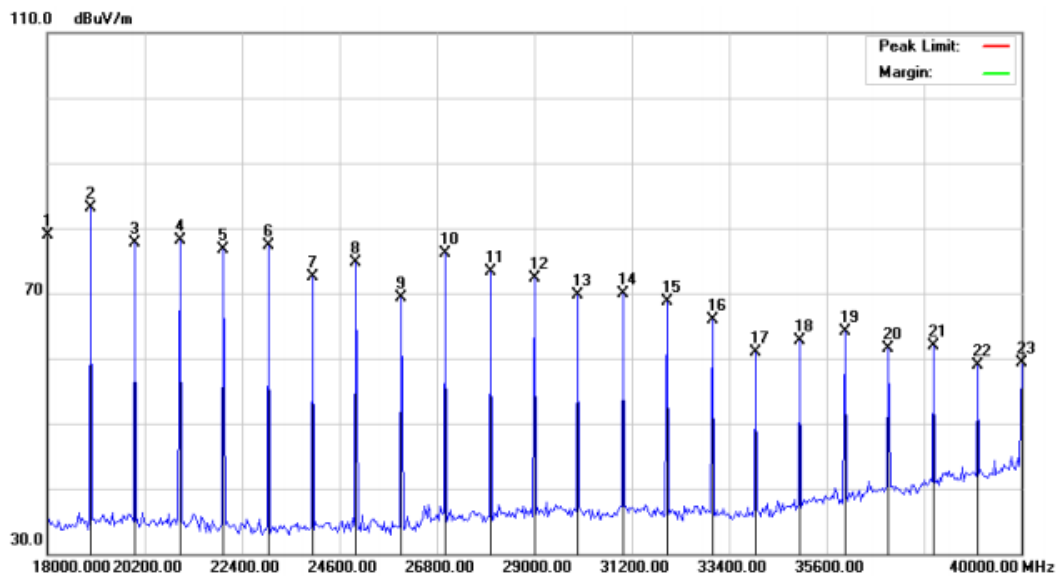


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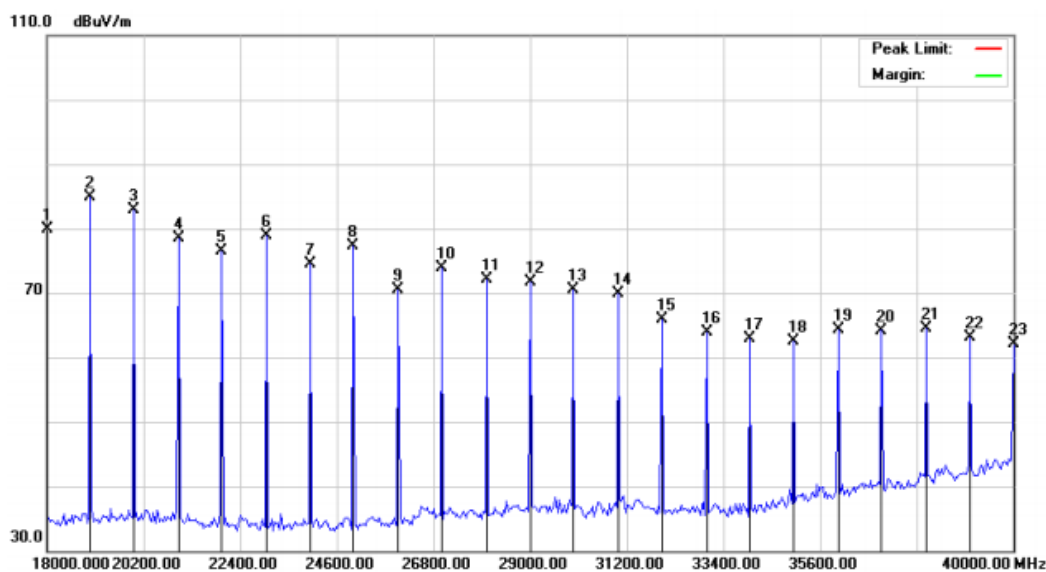
Comb Generator

CG140-1000C/-1000R

Vertical (Measurement Distance : 3 meter)



Horizontal (Measurement Distance : 3 meter)



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

TEL : +886-3-3286-998

FAX : +886-3-3288-376

Mobile : 0937-214-592

E-mail : steven@emci.com.tw

桃園市龜山區文三三街38巷8號1樓

1F, No.8, Lane38,Wensan 3rd street, Kwei Shan Dist, Taoyuan City, Taiwan

www.emci.com.tw