

CG100L10100R

Comb Generator



Sales Partner:



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

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Description

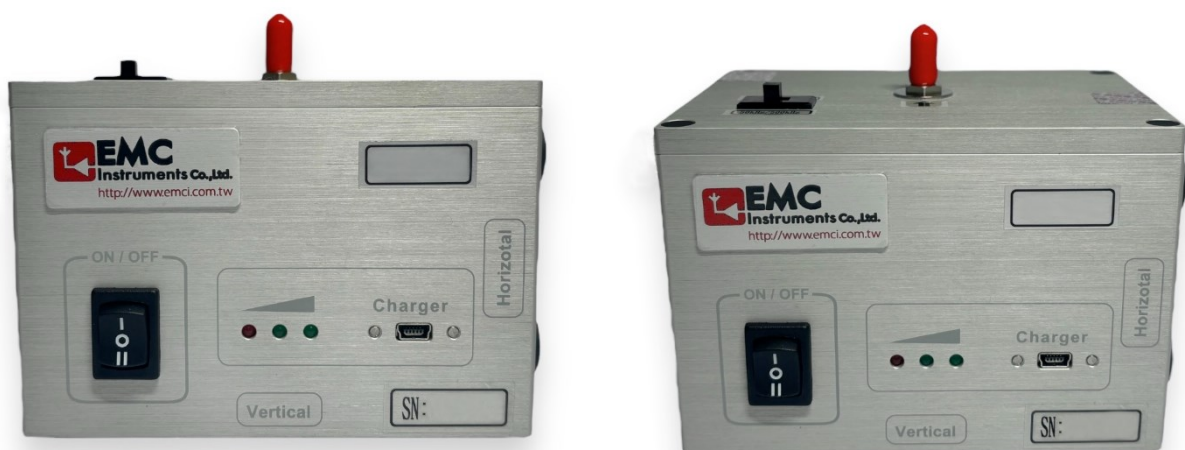
CG100L10100R Conducted Comb Generator serves as signal sources for testing Line Impedance Stabilization Networks (LISN) and conducting 100kHz - 400MHz radiated emission measurements within EMI Chambers. With switchable frequency step sizes of 100kHz and 500kHz, they enable thorough checks on conducted measurement systems, such as allowing assessments using LISN and RE standard connectors. The generators' output harmonics align with specified fundamental frequencies based on the chosen step size. Additionally, they feature a rechargeable battery for up to 16 hours of continuous operation and come with a battery charger, USB cable, and accessories in a storage box.

Application

The main purpose of a Comb Generator is to efficiently validate setups for conducted & radiated emissions testing. Its primary application lies in troubleshooting conducted measurements using a LISN and EMI Radiation emission chamber.

With the Comb Generator, the test engineer can conduct frequent and rapid verifications of the conducted test setup, ensuring the reliability of test results.

Additional potential applications of the CG100L10100R Comb Generator may involve the production evaluation of components, such as cable shields and filters, as well as chamber validation in accordance with CISPR16.



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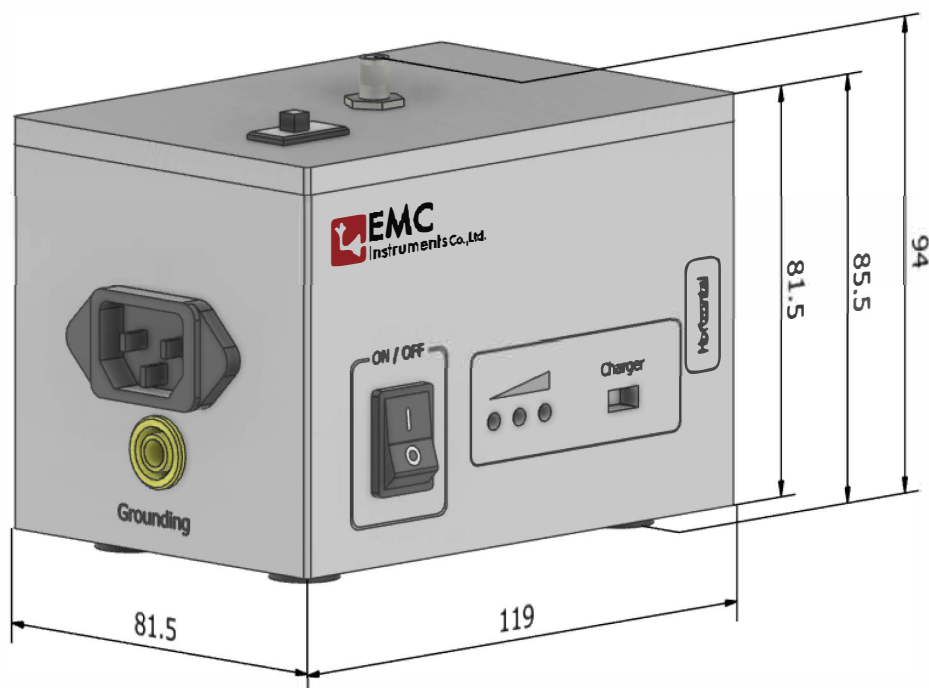
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Specifications

Frequency Range	100kHz - 400MHz for AC / DC LISN 10MHz / 100MHz 7.5GHz for RE
Frequency Step	100kHz / 500kHz step switchable for AC / DC LISN 10MHz / 100MHz step switchable for RE
Power Requirements	USB mini, +5 Vdc
Output Connectors	50 ohm, SMA Female
Charging Time	8 - 10 Hours
Usage Time	16 Hours
Size (mm * mm * mm)	119 * 81.5 * 85.5
Net Weight	1 kg

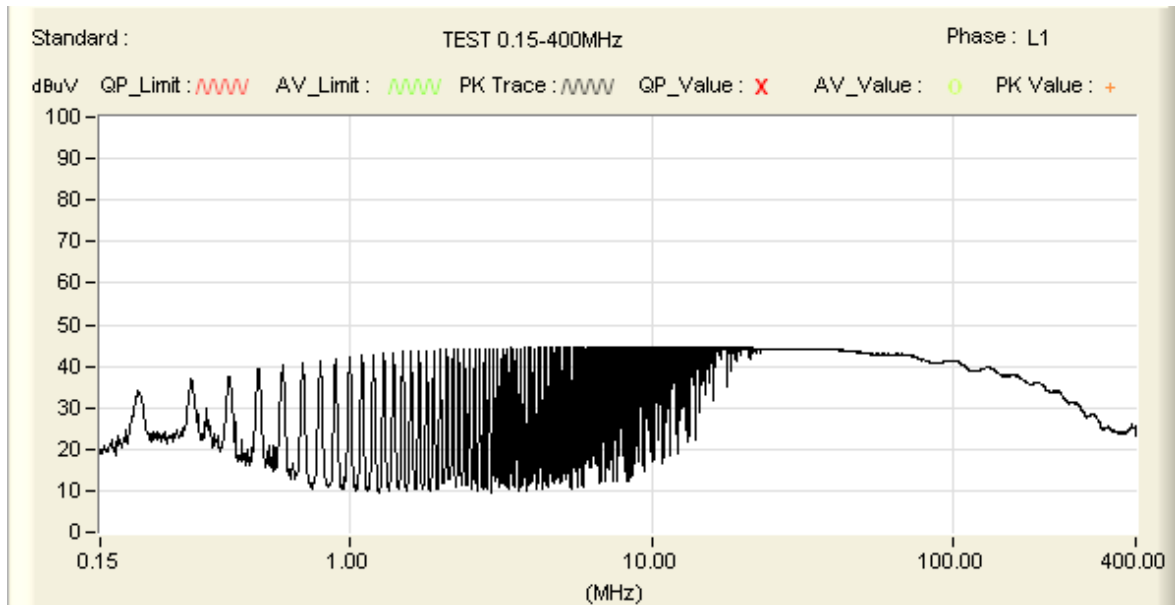
Dimensions



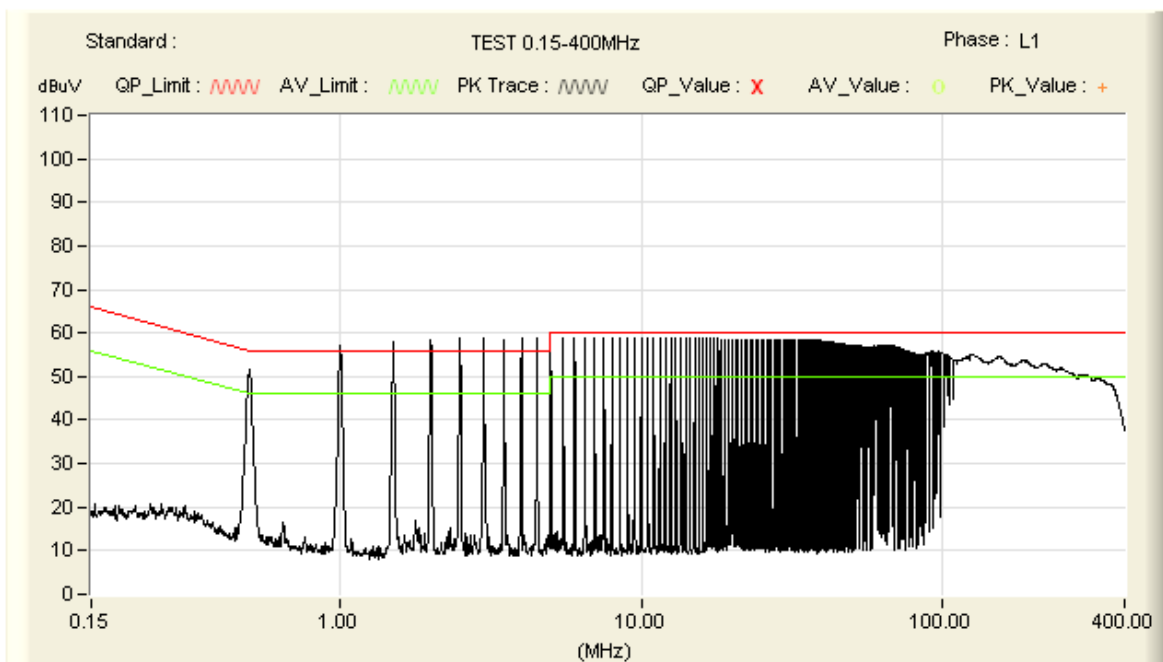
RBW = 10kHz

VBW = 10kHz

- **100kHz / step**



- **500kHz / step**



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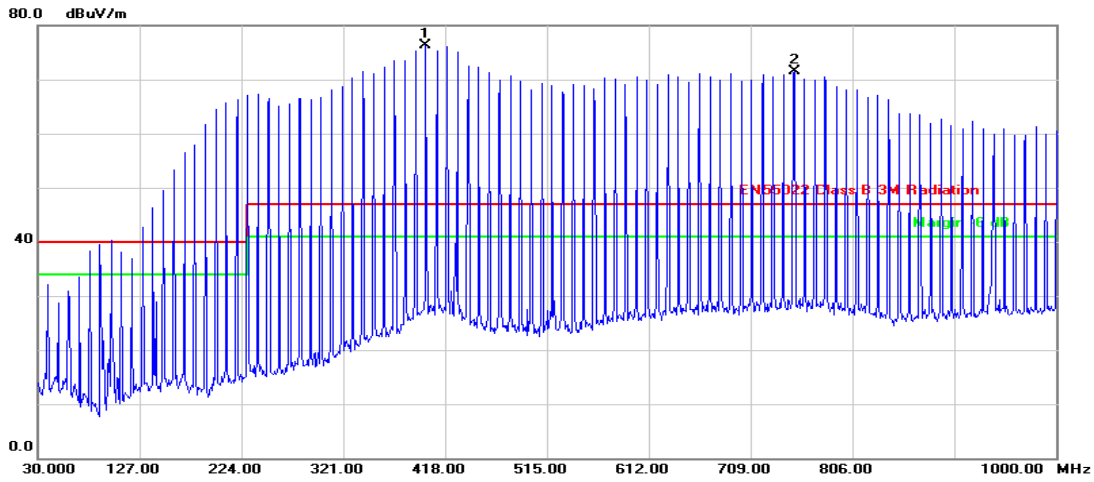
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10MHz / step

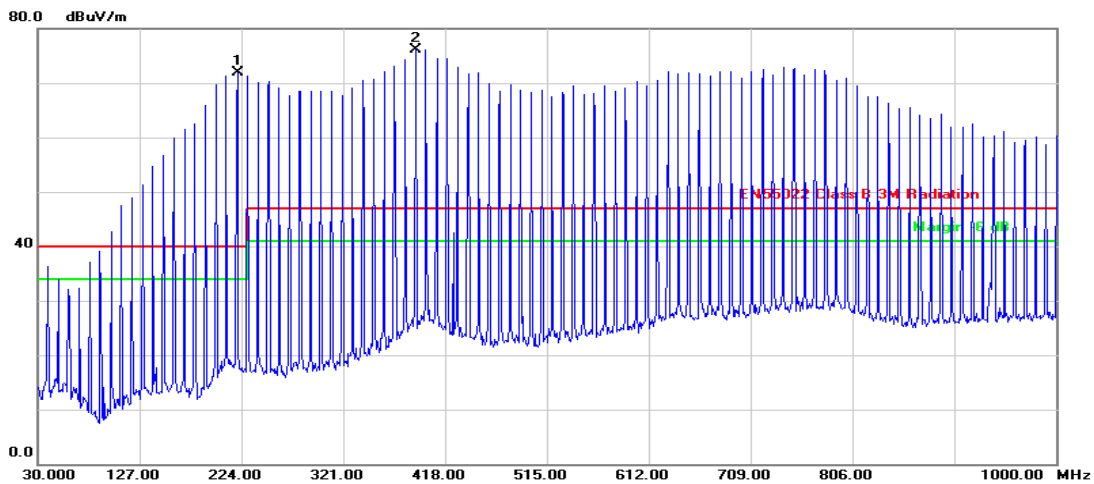
RBW = 100kHz

VBW = 100kHz

● **Vertical**



● **Horizontal**



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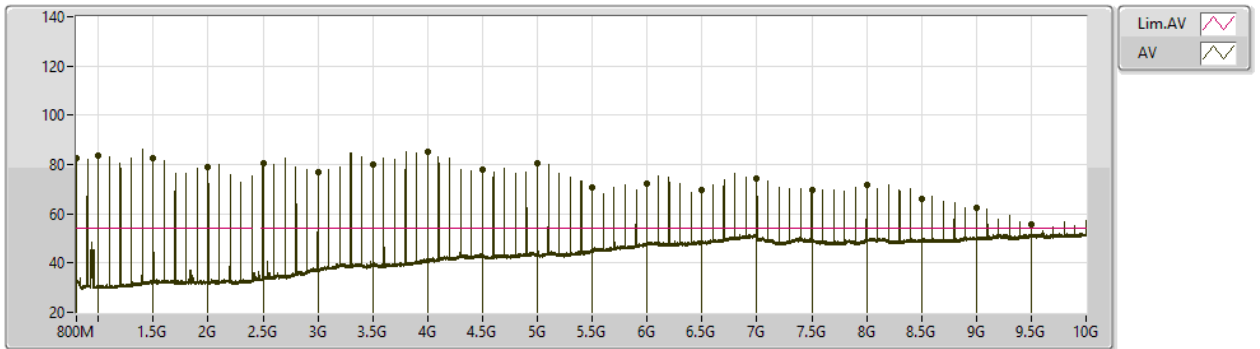
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100MHz / step

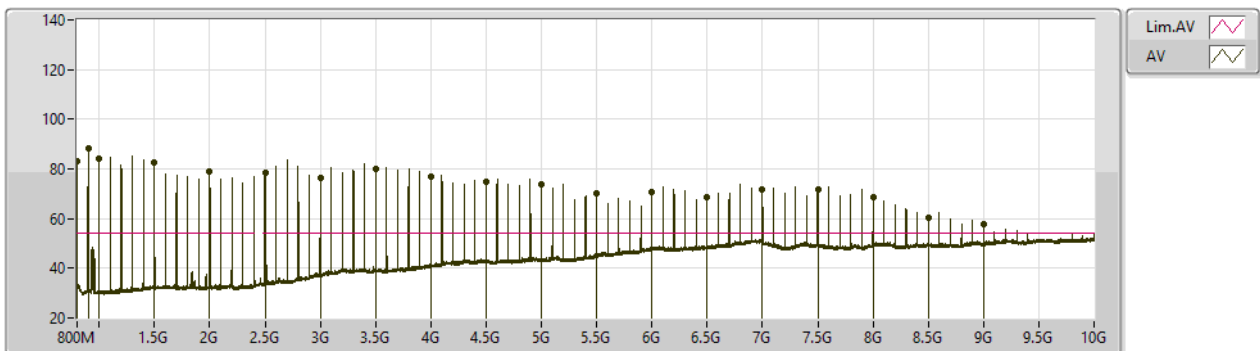
RBW = 1MHz

VBW = 10kHz

● **Vertical**



● **Horizontal**



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