

DATA CG 50LR10100R SHEET

Comb Generator

4 in 1 Comb Generator

Conducted Emission:

Frequency Range: 50kHz/500kHz ~ 108MHz for DC LISN

Radiated Emission:

• Frequency: 50kHz/500kHz~30MHz for RE with Monopole Antenna

• Frequency: 10MHz/100MHz ~1G for RE

• Frequency : 100MHz ~6G for RE



Sales Partner:



ABSOLUTE EMC LIC.

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Feature

Frequency Range :
 50kHz/500kHz ~ 108MHz for LISN &
 RE 10MHz ~6GHz for RE

Frequency Step:
 50kHz/500kHz step switchable for CE
 RE with Monopole Antenna
 10MHz/100MHz step switchable for RE

Description

The CG 50LR10100R Comb Generators are reference signal sources for testing Line Impedance Stabilization Networks (LISNs) and 30MHz-6GHz radiated emission measurements in an EMI Chamber.

The CG50LR10100R output has the harmonics of the fundamental frequency specified by the step size. There are two bands included: from 50kHz ~ 108MHz with step sizes of 50kHz / 500kHz switchable, and 10MHz ~ 6GHz with step sizes of 10 MHz and 100MHz switchable. This allows checks and investigations on conducted measurement systems to be made using a LISN, and RE measurements to be made in a EMI Chamber.

When fully charged, the battery allows continuous operation of up to 16 hours.

The Comb Generator includes a battery charger, USB cable, and accessories.

They are shipped in a wooden storage box.

CG 50LR10100R

Application

The main application of Comb Generator is to quickly verify conducted & radiated emissions test setups. The most important application is troubleshooting conducted measurements using a LISN and EMI radiated emissions in a chamber.

With the Comb Generator, the test engineer will be able to quickly perform a verification of the Conducted & Radiated test setup more frequently to assure accurate test results.

Other possible applications of the CG50LR10100R Comb Generator could include production evaluation of components such as cable shields and filters & Chamber validation according to CISPR16 & CISPR25 automotive standards.







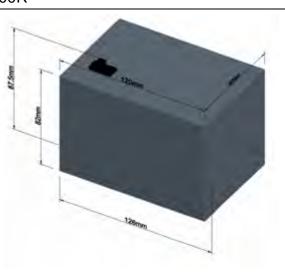


Specification

Frequency Range	CE: 50kHz/500kHz ~ 108MHz for DC LISN (CISPR16 & CISPR25) RE: 50kHz/500kHz ~ 30MHz with Monopole Antenna(CISPR25) RE: 30MHz ~ 1GHz (10MHz step) RE: 1GHz ~ 6GHz (100MHz step)
Frequency Step	50kHz/500kHz/ step switchable for CE & RE with Monopole Antenna 10/100MHz/ step switchable for RE
Charging Time	8-10 Hours
Usage time	16 Hours
Size	120mm(W)*82mm(D)*85mm(H)
Net Weight	1.1Kg

Application



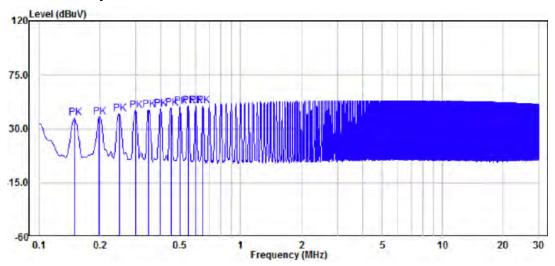




TEST REPORT

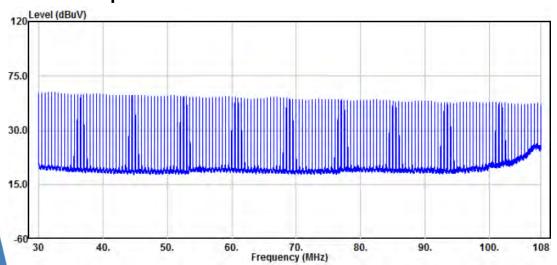
CE: 50kHz ~ 30MHz

50kHz/ step RBW=9kHz



CE: 30MHz ~ 108MHz

500kHz/ step RBW=9kHz



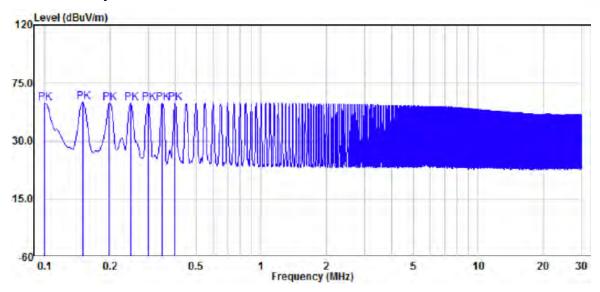




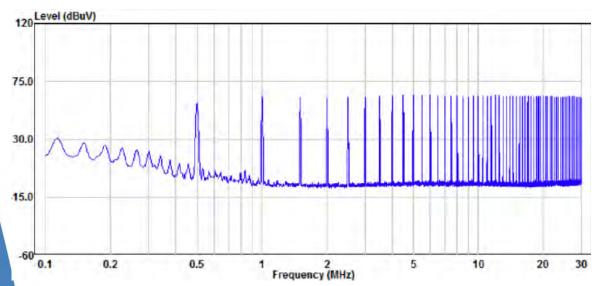
TEST REPORT

RE: 50kHz ~ 30MHz

50kHz/ step RBW=9kHz / VBW=30kHz @1m



500kHz/ step RBW=9kHz / VBW=30kHz @1m





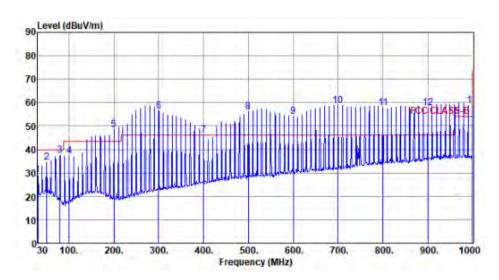


TEST REPORT

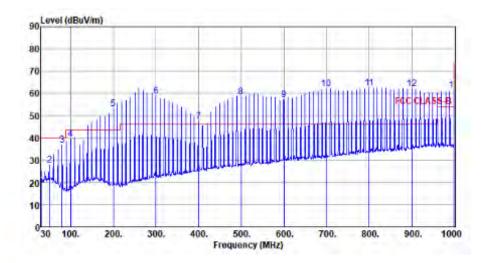
RE: 30MHz ~ 1GHz

10MHz/ step RBW=100kHz / VBW=100kHz @ 3m

Vertical



Horizontal





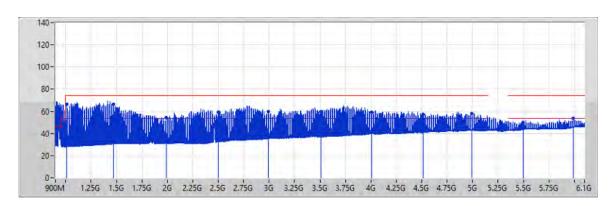


TEST REPORT

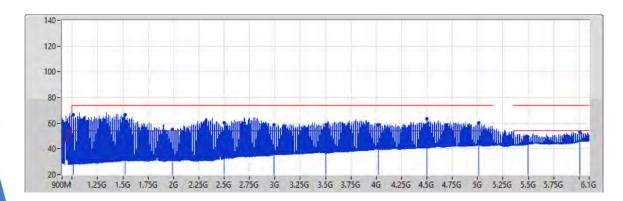
RE: 1GHz ~ 6GHz

10MHz/ step RBW=1MHz / VBW=10kHz @3m

Vertical



Horizontal



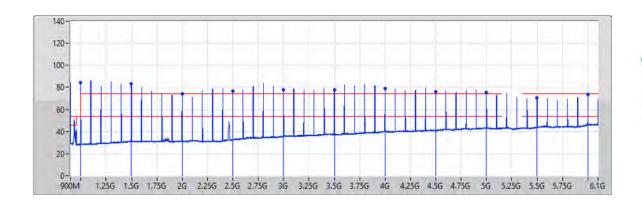


TEST REPORT

RE: 1GHz ~ 6GHz

100MHz/ step RBW=1MHz / VBW=10kHz @3m

Vertical



Horizontal

