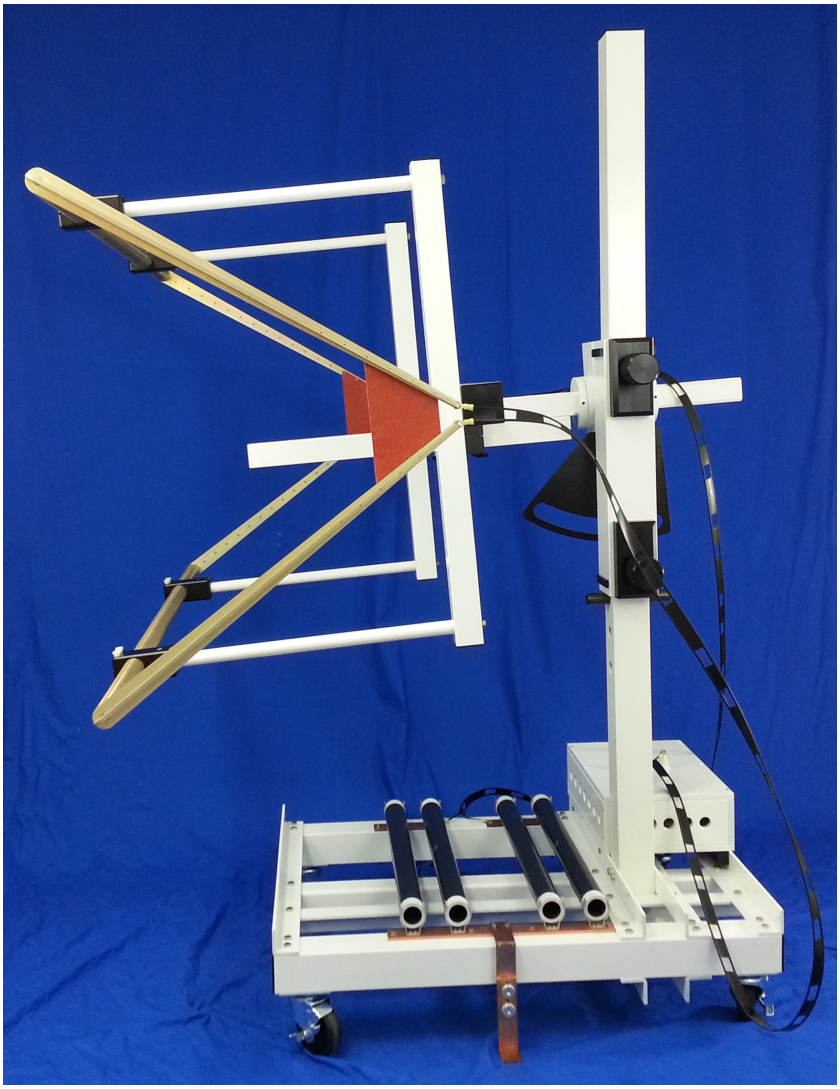
TDK RF Solutions Inc.

Antenna Information Binder



Electric Field Generator
Model EFG-03

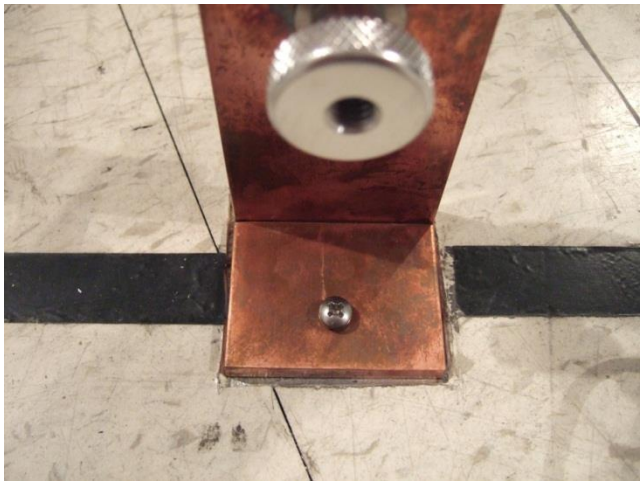
TDK RF Solutions Inc. ▪ 1101 Cypress Creek Road ▪ Cedar Park, Texas 78613 USA ▪ +1-512-258-9478 ▪Email: trs.sales@tdk.com

Antenna Application Note

EFG-03 E-Field Generator

Grounding Mechanism

A grounding mechanism within the load side of the EFG-03 has been included to achieve a better flat response and for improved repeatability results in the electric field over its frequencies of operation. The grounding mechanism allows the EFG-03 to be connected to the chamber metal ground floor. The chamber floor may have to be prepped to allow contact to the metal ground as shown.

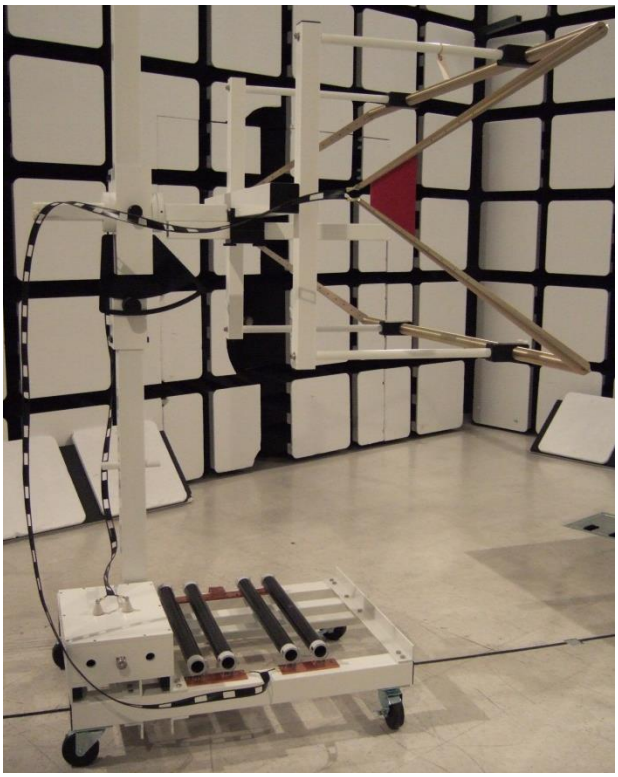


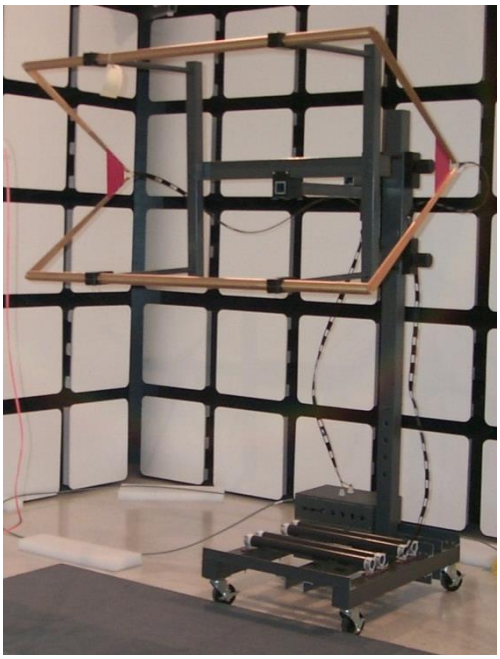
Antenna Application Note

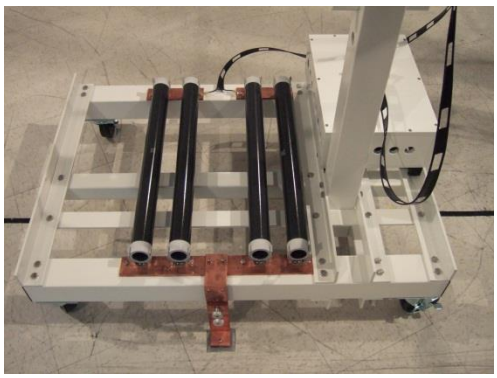
EFG-03 E-Field Generator

CAUTION

Extra length of ladder cables on the EFG-03 is provided to allow the vertical polarization of the unit. The positioning of the ladder cable is important to the safe operation of the EFG-03. Excessive RF currents can develop on the ladder cables when high RF power is applied to the unit. Please ensure that the ladder cables are not contacting the ground floor, load resistors, or each other, which may cause arching. Using high power on the EFG-03 will cause load resistors to become extremely hot and should not be touched after use.







EFG-03 Install procedure

Step 1: Antenna Out of the crate.

Step 2: Mount Elements on the Mast.

Step 3. Shows the Connections of the Elements.

Step 4: Install the Resistors

Step 5 : Shows the Height and Angle Adjuster on the mast

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ANTENNAS	SYSTEMS	PRODUCTS	CHAMBERS

www.tdkrfsolutions.tdk.com

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1101 Cypress Creek Rd.
Cedar Park, Texas 78613 USA
Phone: +1-512-258-9478
E-mail: trs.sales@tdk.com