



Excellence in Compliance Testing

---

## **Certification Exhibit**

**FCC ID: R7PCGR1S2**

**FCC Rule Part: 15.247**

**ACS Project Number: 12-0230**

Manufacturer: Landis+Gyr Technology, Inc.  
Model: BLT5

## **Manual**

# Assembly Instructions, Kit, BLT5 Transceiver, MCC, 97-1828



## Revision History

ECO	Revision	Date	Author	Comments
ECO-051889	AA	8/20/2012	Robert Johnson	Initial Release
ECO-052962	AB	4/10/2014	Robert Johnson	Modification to initial Release, added FCC statement

**CONTENTS**

**1 INTRODUCTION .....3**

**2 REMOVING THE EXISTING BLT3 TRANSCEIVER FROM THE MCC'S ENCLOSER.....3**

**3 RE-INSTALLING THE UPDATED LAN/WAN BRACKET ASSEMBLY CONTAINING THE UPDATED  
BLT5 TRANSCEIVER UNIT INTO THE MCC ENCLOSER.....3**

**4. FINAL INSTALLATION.....4**

**5. FCC.....4**

# 1 Introduction

1.1 All MCCs updated in the field requiring replacement of their original BLT3 transceiver to the newly designed BLT5 transceiver must also be retro-fitted per the guidelines specified in this procedure. The MCC field update consists of removing the original BLT3 transceiver, and replacing it with the newly redesigned BLT5 transceiver. After the new BLT5 transceiver has been installed you will also need to install a new FCC label, part number 23-1401. The new FCC label should be placed on the MCC's exterior where it will be highly visible. The new FCC, BLT5 Retrofit label can be found in the MCC retro-fit kit, designated as follows: Kit, BLT5 Transceiver, MCC kit, Landis part number 45-1828. The bill of materials is listed below.

Kit, BLT5 Transceiver, MCC Part number 45-1828		
item_number	item_name	quantity
23-1127	LABEL,BLANK,UTILITY ID	1
90-1002	BAG, 9"X12"X.004 CLEAR POLY BAG WITH ZIPPER	2
97-1828	Assembly Instructions, Kit, BLT5 Transceiver, MCC	1
23-1401	Label, FCC, BLT5 Retrofit	1
26-1828	T/A, BLT5 Transceiver, MCC	0
		1
		1

## 2. Removing the existing BLT3 transceiver from the MCC's enclosure

- 2.1 Refer to Landis document part number : 97-2350, MPI, REPACKAGED ASSEMBLY INSTRUCTION, section 3.0 through section 3.8 for details on how to remove the existing BLT3 transceiver module.
- 2.2. To remove the existing, original BLT3 transceiver, disconnect the antenna cables P/N: 19-0014, LAN/WAN Radio Power Cable assembly P/N 19-2351, and the LAN Data cables P/N: 19-2352.
- 2.3. Losen the LAN/WAN assembly bracket's machine-screw Hex-nuts. The stated Hex-nuts are used to hold down the LAN/WAN assembly to the inside of the MCC enclosure, then remove the LAN/WAN assembly from the MCC enclosure. Once the LAN/WAN assembly has been pulled from the MCC enclosure, loosen the hex-nuts used to hold down the original BLT3 transceiver assembly to the LAN/WAN assembly mounting bracket, pull the BLT3 transceiver from the LAN/WAN mounting bracket assembly, and replace the original BLT3 transceiver with the newly redesigned BLT5 transceiver assembly.

## 3. Re-installing the updated LAN/WAN bracket assembly containing the updated BLT5 transceiver unit into the MCC enclosure

- 3.1 Once you have re-fitted the BLT5 transceiver on the LAN/WAN mounting bracket assembly, re-torque the mounting Hex-nuts used to hold the BLT5 assembly to the LAN/WAN mounting bracket, then, re-install the LAN/WAN mounting bracket assembly inside the MCC enclosure, and re-torque the LAN/WAN mounting bracket's Hex-nuts. The stated Hex-nuts are used to mount the LAN/WAN bracket assembly down to the inside of the MCC enclosure.
- 3.2 On completion of re-installing the LAN/WAN bracket assembly containing the newly added BLT5 transceiver you can re-connect the antenna cables P/N: 19-0014, LAN/WAN Radio Power Cable assembly P/N 19-2351, and the LAN Data cable P/N: 19-2352,

## 4. Final Installation

- 4.1 From your MCC retro fit kit contained in a 9"x 12" zip lock bag, remove the new FCC, BLT5 Retrofit label, part number 23-1401. Next remove the label's non-stick backing paper to expose the adhesive side of the label then stick the new FCC label on the outside of the MCC's enclosure. The label should be placed on the enclosure's painted exterior bottom where it will be highly visible.
- 4.1 The MCC may be returned to service.

## 5. FCC

This product shall comply with the FCC requirements listed in United States CFR Title 47, Part 15.109, 15.209 and 15.247.

The FCC tests should be performed with the meter module in the configurations close to the typical field configuration as possible.

### FCC Class B

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the Instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the antenna.
- Increase the separation between the equipment and receiver.
- Consult Landis+Gyr or an experienced radio technician for help.



**WARNING: Changes or modifications to this device not expressly approved by Landis+Gyr could void the user's authority to operate the equipment.**

### RF Exposure

In accordance with FCC requirements of human exposure to radio frequency fields, the radiating element shall be installed such that a minimum separation distance of 20 centimeters will be maintained.