

TCB**GRANT OF EQUIPMENT
AUTHORIZATION****TCB****Certification****Issued Under the Authority of the
Federal Communications Commission****By:****PHOENIX TESTLAB GmbH
Koenigswinkel 10
32825 Blomberg,
Germany****Date of Grant: 09/25/2013****Application Dated: 09/24/2013****Hirschmann Automation and Control GmbH****Stuttgarter Str. 45-51****Neckartenzlingen, D-72654****Germany****Attention: Martin Burkhardt****NOT TRANSFERABLE**

EQUIPMENT AUTHORIZATION is hereby issued to the named GRANTEE,
and is VALID ONLY for the equipment identified hereon for use under the
Commission's Rules and Regulations listed below.

FCC IDENTIFIER: U99EWLAN1**Name of Grantee:** Hirschmann Automation and Control
GmbH**Equipment Class:** **Unlicensed National Information
Infrastructure TX****Notes:** **802.11abgn Module****Modular Type:** **Limited Single Modular**

<u>Grant Notes</u>	<u>FCC Rule Parts</u>	<u>Frequency Range (MHZ)</u>	<u>Output Watts</u>	<u>Frequency Tolerance</u>	<u>Emission Designator</u>
CC MO	15E	5180.0 - 5240.0	0.015		
CC MO	15E	5190.0 - 5230.0	0.015		

This device must be professionally installed. Power listed is the maximum combined average conducted output power as indicated in the filing. Approval is limited to OEM installation only, and the host in which this module is integrated should provide stable 3.3 VDC power via PCI Express Interface. The antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. OEM integrators must be provided with antenna installation instructions. OEM integrators and end-users must be provided with transmitter operation conditions for satisfying RF exposure compliance. This grant is valid only when the device is sold to OEM integrators and the OEM integrators are instructed to ensure that the end user has no manual instructions to remove or install the device. Device is operating in a 3x3 Spatial Multiplexing MIMO configuration as described in this filing. Operating of this device in the 5150 MHz to 5250 MHz range is restricted to indoor use only.

CC: This device is certified pursuant to two different Part 15 rules sections.

MO: This Multiple Input Multiple Output (MIMO) device was evaluated for multiple transmitted signals as indicated in the filing.