

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: 08/10/2020****Application Dated: 08/07/2020****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: Licensed Non-Broadcast Station Transmitter
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	90Y	4940.0 - 4990.0	0.0513	5.2 %	17M2F1D

Class II Permissive Change adds a new equipment class to the existing FCC ID as a result of a rule change.

Class II Permissive Change updates filing to comply with new U-NII rules. This device must be professionally installed. Power listed is the maximum combined conducted output power as indicated in the filing. Approval is limited to OEM installation only, and the final host device into which this module is integrated should provide a stable 3.3 VDC power via PCI Express Interface, must be restricted to indoor use and categorized as fixed or mobile to comply with the FCC RF Exposure requirements. The antenna(s) used for this transmitter module must not be co-located or operating in conjunction with any other antenna or transmitter, except in accordance with the FCC multi-transmitter policy. OEM integrators must be provided with antenna installation instructions and end-users of the final host device 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. This device has 20 and 40 MHz BW modes.

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.