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## FCC ID: LYHRAPACV1 - KDB 353028 D01, section II.A.2.c Professional Installation attestation

We, Siemens AG, DI PA CI, Gleiwitzer Str. 555, 90475 Nürnberg, Germany, declare that the requirements of KDB 353028 D01, section II.A.2.c have been met for our MPCIE-R1-ABGNAC-U4, FCC ID: LYHRAPACV1 product as described below.

### KDB 353028 D01, section II.A.2.c Professional installation:

*i) Professional installation must be justified in the filing, and grant condition must state "This device must be professionally installed."*

Justification to support professional installation is given below and as part of this FCC filing. The grant contains the required text "This device must be professionally installed".

*ii) Professional installation does not permit use of any antenna with the transmitter; the permitted types of antenna must be specified.*

Only antennas specified within the operational description section 5 submitted with this filing are permitted with the transmitter.

*iii) The applicant should address the following items when justifying professional installation.*

*(1) To qualify for professional installation, the applicant must explain why the hardware is not readily available to average consumer.*

The wireless module is intended for installation in Siemens Industrial Wireless Access Points / Client product family SCALANCE W1700. The SCALANCE W1700 devices are sold as a part of Siemens industrial networking solutions.

*(2) Marketing—Device cannot be sold via retail to the general public or by mail order; it must be sold to authorized dealers or installers only.*

Devices are sold either directly by Siemens AG, its subsidiaries, or by authorized distributors that support industrial companies across multiple industries (including, but not limited to: Manufacturing, Oil & Gas, Electric Power, Transportation, and Marine). Devices are not intended for consumer use and therefore not sold to individual consumers.

**Siemens AG**  
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Siemens Aktiengesellschaft: Chairman of the Supervisory Board: Jim Hagemann Snaab;  
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Registered offices: Berlin and Munich, Germany; Commercial registries: Berlin Charlottenburg, HRB 12300, Munich, HRB 6684  
WEEE-Reg.-No. DE 23691322

(3) Filing must show that intended use is not for consumers and general public; rather device is generally for industrial/commercial use.

The wireless module is intended for use in SIEMENS Industrial Wireless Access Points / Client product family SCALANCE W1700 as stated in the Installation Guide section 6.

(4) Explain what is unique, sophisticated, complex, or specialized about the equipment that **REQUIRES** it to be installed by a professional installer?

The wireless module and the end devices are designed for industrial use cases in extended temperature ranges and utilize 802.11 protocol enhancements for improved reliability. The devices require 24V DC power with industrial capable connectors and are sold as a part of industrial networking solutions. A wide variety of antenna and cable options, combined with multiple configuration possibilities require that installation be done by trained, electrical professionals.

iv) Other professional installation requirements.

(1) Installation must be controlled.

The devices are intended for use in industrial solutions i.e. production plants, transportation, oil and gas platforms and requires careful considerations on the reliability of the devices and on the national and local safety requirements. As a result, the installation of the systems including the WLAN devices is performed by professionally trained installers.

(2) Installed by licensed professionals (e.g., device sold to dealer who hire installers).

The providers of industrial solutions employ trained staff for the installation of the complete system including the WLAN devices. For the installers employed by the providers of industrial solutions certified trainings are offered by Siemens AG.


(3) Installation requires special training (e.g., special programming, access to keypad, field strength measurements made).

The installation of the devices requires consideration on the reliability (range, interferences etc.) of the devices and an access to the WLAN settings of the devices. Siemens will provide the access credentials only to professional installers employed by the system integrator in the US.

Sincerely yours,

For Siemens Aktiengesellschaft

Karlsruhe, 2nd of May 2019  
Place of issue Date of issue

Wolfgang Becker, i.V.   
Name Signature

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