

Billion Electric Co., Ltd.

8F., No.192, Sec. 2, Zhongxing Rd., Xindian Dist., New Taipei City 231, Taiwan (R.O.C.)
TEL: 02-2914-5665 FAX: 02-2918-6731

PROFESSIONAL INSTALLATION ATTESTATION

Date: 2019-08-27

FCC ID: QJ3BEC-6900R21

We, Billion Electric Co., Ltd. hereby declare that this product qualifies for being a professionally installed device due to the reasons listed below. Further we declare that the info listed below are correct and represent the product in consideration under this filing.

1. Professional installation must be justified.

Description: The product installer needs to have special knowledge of part 96 CBRS rule requirements and use field strength meter to find the best antenna location, orientation and record the local received signal strength for input into the system. Also, installer will need to know how SAS system works and be capable of setting up and verifying the SAS information exchange...etc.

2. Below is antenna info for this device.

Ant. Type	Connector	Antenna gain
PCB	i-pex (MHF)	14.5

3. The applicant should address the following items when justifying professional installation.

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

Description: Due to the unique application in part 96 CBRS, this product will not be sold directly to the general public through retail stores; therefore, the hardware is not readily available to average consumers.

(2) Marketing – Applicant must ensure device cannot be sold via retail to the general public or by mail order.

Description: This product will not be sold directly to the general public through retail stores. It will be sold to authorized dealers or installers only.

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- (3) Applicant must show that device intended use is not for consumers and general public.
Description: Device is subject to part 96 CBRS for industrial/commercial use, not for general public.
- (4) Explain what is unique, sophisticated, complex, or specialized about the equipment that REQUIRES it to be installed by a professional installer?
Description: For optimal performance, the RidgeWave 6900 needs to be aligned directionally towards the nearest LTE eNodeB (tower) and the antenna polarization (in horizontal/vertical position or 45-degree angle position) needs to match that of the tower antennas. Additionally, the RidgeWave 6900 must be earth grounded per local and national electrical codes. Installer also needs to have SAS knowledge to be able to setup and verify if connection and communication with SAS is fully functional.
4. Other professional installation requirements
- (1) Installation must be controlled.
Description: The product will be distributed through controlled distribution channel which has specially trained professionals to install this product.
- (2) Installed by licensed professionals.
Description: Device is sold to dealer who hires installers and needs specially trained professionals in configuring and installing the product as explained above.
- (3) Installation requires special training.
Description: The product installer needs to have special knowledge of part 96 CFSR rule requirements and use field strength meter to find the best antenna location, orientation and record the local received signal strength for input into the system. Also, installer will need to know how SAS system works and be capable of setting up and verifying the SAS information exchange...etc.

If you should have any question(s) regarding this declaration, please don't hesitate to contact us. Thank you!



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