



## Professional Installation

March 15, 2023

Dear Sir or Madam:

FCC ID: 2AXTDBS1ALEO9100US

We, Ubiir Inc., hereby declare that requirements of KDB 353028 D01 Antennas Part 15 Transmitters v01 have been met and shown on the following questions. 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: Multiple antenna options are provided to allow better protection of the spectrum and ability to be more compatible and efficient within a specific wireless environment. As such standard N RF connectors are used on the appliance to allow standard RF cables to connect to the different approved antennas that can be appliance attached, pole mounted, wall mount and etc. the different approved antennas will have different properties that the Professional installer must set in the appliance correctly to maintain compliance and be compatible with in the wireless environment.

Professional Installer is responsible to ensure correct antenna configuration is set for the antenna attached to radio appliance.

2. Professional installation does not permit use of any antenna with the transmitter; the permitted types of antenna specified as below.

Description: Professional installer can select form antennas type listed below. Only the maximum gain of each type is shown. The appliance must be configured correctly to maintain compliance to FCC Rule Part 15 requirement. For more details on each approved antenna please refer to test reports.

Frequency/ MHz	Antenna	Type	Antenna Gain
926.3	Dipole	N	2.65
1575.5	RHCP	N	5
1880	OMNI	N	1.8
1710	OMNI	N	0.6
777	OMNI	N	1.4

<sup>1</sup> Default antenna shipped with appliance and default setting in initial software from factory.

Other antennas internal to the chassis are not changeable. User setting cannot adjust software beyond what is shown in approval.

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 this product and will not be sold directly to the general public through retail store, therefore the hardware is not readily available to average consumer.

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

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

- (3) Applicant must show that device intended use is not for consumers and general public.

Description: Device is for industrial use.

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

Description: Antennas with different radiation patterns and gains are needed to meet professional designed site goals, maintain compliance and be compatible with other IOT base stations and other users of the same band. The different approved antennas will have different properties that the Professional installer must set in the appliance correctly to maintain compliance and be compatible with in the wireless environment.

4. Other professional installation requirements

- (1) Installation must be controlled.

Description: The product will be distributed through controlled distribution channel which has special trained professional to install this product.

- (2) Installed by licensed professionals.

Description: Device sold to dealer who hires installers and need special trained professional in configuring and installing the product.

- (3) Installation requires special training.

Description: This radio appliance requires professional installer to have special password (not provided in documentation with product or antennas or online) to access pro-installer commands. The password is controlled by Ubiik and specific to each appliance and must be obtained from Ubiik or from authorized professional installer distributor. Non-Professional installers should not be given credentials. Once access to professional configuration is obtained instruction for the applicable setting for specific approved antenna is provided with the antenna.

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



David Hsu / Regulatory Engineer

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