

June 7, 2021

## FCC Authorization

To:  
FEDERAL COMMUNICATIONS COMMISSION  
Authorization and Evaluation Division  
7435 Oakland Mills Road  
Columbia, MD 21046

Subject: Professional installation Statement for FCC ID: AU792U21B10865

We the undersigned, state that that our device requires professional installation based on the following:

1. This device is sold through Authorized Value Added Distributors whose customers are engineering managers, network administrators, and IT professionals. These individuals use this device in the design and deployment of industrial, private local networks to collect data from remote LoRa-enabled sensors located within a particular geography, campus, or building.
2. This device is not a consumer-grade product and not available for sale through consumer electronics retailers or websites.
3. This is a fixed location device and designed specifically for outdoor environments. Mounting locations include: poles, exterior building walls, building roof, and towers. Access to these secure and private locations is controlled by the property/building owner or manager and limited by the lease, deed, or other contract associated with these locations.
4. This device requires technical skills, understanding, and training to configure the LoRa network, LoRa sensors, wireless cellular carrier, and data backhaul. Professionals are responsible for following local building and electrical codes are followed for power means and grounding method. Professionals also are responsible for compliance with local and national health and safety regulations.
5. This device requires an industrial-grade LoRa antenna, designed to survive in harsh outdoor environments. Antenna characteristics include:
  - Ingress Protection: IP67 rating
  - Rated Wind-Velocity: 124 MPH
  - Flammability Rating: UL94 HB
  - UV protection using Radome materials
  - Operating Temperature: -40 to +85C
  - Robust, waterproof N-type connector
6. Technical documentation provided with the device communicates the above installation considerations as well as specific guidance on LoRa antenna selection.

“Due to FCC 15.203 regulations, the MTCDTIP2 requires installation by a professional, to insure the integrity of the radio transmission system. The authority to operate the LoRa transmitter will be void if using antennas other than the ones listed in Table xxx. Contact Multi-Tech for additional antenna information”

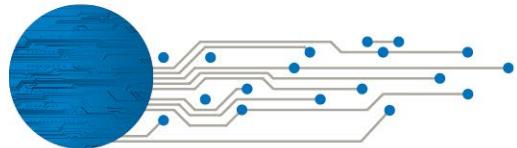


Table xxx		
Manufacturer	Model	Description
L-Com	HGV-906U	6dBi Gain IP67 Lora Antenna
Pulse	RO8063/21704NM	3dBi Gain IP67 Lora Antenna

By providing the above warning and the antenna information to our customers and offering the proper antennas that are approved to use with this product we are controlling the use of the transmission system.

This applies to the following project:

**Product Name : MTCDTIP2 IP67 200 Series (IP67 Conduit for Outdoor LoRa® Deployments)**

Models: MTCDTIP2-LNA3-B11UKP-L1x; MTCDTIP2-EN-B11UKP-L1x

22 June 2021  
Date

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