

To Whom It May Concern:

March 9, 2026

Federal Communications Commission
Equipment Authorization Branch
7435 Oakland Mills Road
Columbia, MD 21046

WE, MULTI-TECH SYSTEMS INC., 2205 Woodale Dr., Mounds View Minnesota 55112 United States, are seeking a Permissive Change for FCC certification under the following parts:

FCC 15.247
FCC ID is AU792U23B16873

The MTXDOT-NA1 is a modular LoRa remote node device, operating in the ISM band (902-928 MHz). It contains a Semtech SX1262 LoRa transceiver. The current evaluation covers the LoRa transceiver on the uplink of 902.3 MHz – 927.3 MHz.

The change is as follows for use in the MTS504 design.

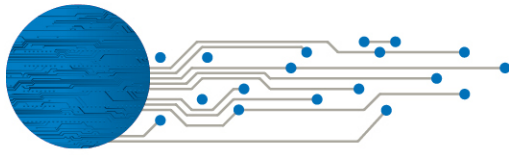
The **MTS504** is a pushbutton locating device with a LoRa and BLE radio. The device uses BLE to locate nearby beacon advertisements and sends the beacon RSSI information via LoRa backhaul. The push button can be pressed to send an uplink via LoRa. The device does not transmit via BLE.

The **MTS504** uses a **MultiTech xDot Essentials** radio module that operates within the ISM band within the range of 902.3 MHz to 927.3 MHz. It has a maximum transmit power of +22 dBm, has a peak antenna gain of -0.24 dBi (measured), and a 2 dB tune up tolerance. It has an antenna separation from the body of 1.5 mm.

For this particular antenna, DTS modes are not supported

Sincerely,

Tim Gunn - March 9, 2026



Director of Technical Engineering Services
Multi-Tech Systems, Inc