RE: Signetik, LLC

FCC ID: 2AOSN-GWLRN10DC1

ATCB027164

After a review of the submitted information, I have a few comments regarding the above referenced Application. Depending on your responses, please note that there may be additional questions.

The EUT appears to consist of the 915 MHz transceiver(s) and various digital circuitry. While the tx (DTS) portion is being certified, please clarify if 915 MHz receiver(s) (CYY), and the digital device portion of the EUT (JAP or JBP), will be authorized via certification or SDoC. The digital device portion and receiver portion will be authorized via SDoC.

Pages 3 and 7 of the External Photos exhibit indicate that the (external) antenna connector on the EUT, and, apparently, that end of the antenna cable, are RP-TNC. Please note that the other end of the cable, where it connects to the antenna, must also either be permanently attached to the antenna, or must utilize the RP connector, in order to satisfy the requirements specified in 15.203. Please confirm that this is the case (and see comment 6c, below). The antenna is permanently connected to the cable.

The Operational Description specifies generic LoRa operation – please note that LoRa may be configured to operate in numerous different modes and configurations, including variable data rates, bandwidths, authorization as DTS, FHSS, hybrid, etc. Please confirm that the (DTS) LoRa emission measured in the test report is the only mode of emission that the EUT will generate. The LoRa mode is locked in firmware to 6dB BW > 500kHz
The Antenna Spec Sheet lists the RF connector as being SMA, and provides several "popular ordering options", including SMA, TNC, etc., however, as indicated elsewhere in the application, a RP-TNC connector will be used with the EUT in order to comply with the requirements specified in 15.203. Please confirm that the antenna, and antenna cable, marketed with the EUT will only be provided with RP-TNC connectors. The manufacturer has confirmed that only RP-TNC will be provided.