



Komatsu Ltd.
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Attestation Letter

Date: October 25, 2018

UL Japan, Inc.
4383-326 Asama-cho, Ise-shi,
Mie 516-0021 Japan

FCC ID : X4QKDTG105
Applicant: Komatsu Ltd.

To whom it may concern:

Our product, KOMTRAX terminal, Model: KDTG105 has WLAN 2.4GHz and WWAN communication. The certified cellular module, Data Module, Model: ALAS3K-US (FCC ID: QIPALAS3K-US) is installed in WWAN part.

We, Komatsu Ltd. performed the Radiated emission testing regarding WLAN 2.4GHz part. However, the Radiated emission testing was not additionally performed regarding WWAN part due to the following reason.

- The original FCC testing of the cellular module ALAS3K-US was performed when the antenna was connected to the module in an open environment. Under this application, the ALAS3K-US itself and its antennas were installed inside the KOMTRAX terminal enclosure. The physical restraints introduced by the KOMTRAX terminal enclosure would result in equal or lower level of radiated emission.
- The antenna of the cellular module is designed according to the installation manual and has been confirmed that it does not exceed the allowable antenna gain under the Grant condition.

Thank you for your attention to this matter.

Sincerely,


Takashi Itoi
Komatsu Ltd.