**FCC ID: 2ALEPT0004437**

**FCC SAR Test Exclusion**

The Device is a carrier grade gateway designed for IoT applications. The device is intended to be installed in vehicle only. The installation and maintenance must be performed by professional trained RF technician.

In accordance with 47 CFR FCC Part 2 Subpart J, section 2.1091 this device has been defined as a mobile device whereby a distance of 0.2 m normally can be maintained between the user and the device.

Limits for General Population / Uncontrolled Exposure

| Frequency Range (MHz) | Electric Field Strength E (V/m) | Magnetic Field Strength H (A/m) | Power Density S ($mW/cm^2$) | Average Time $\|E\|^2$, $\|H\|^2$ or S (minutes) |
|---|---|---|---|---|
| 0.3-3.0 | 614 | 1.63 | (100)* | 30 |
| 3.0-30 | 824/f | 2.19/f | (180/f)* | 30 |
| 30-300 | 27.5 | 0.073 | 0.2 | 30 |
| 300-1500 | | | f/1500 | 30 |
| 1500-100,000 | | | 1 | 30 |

f= frequency in MHz

*= Plane-wave equivalent power density

MPE CALCULATION FORMULA

Pd = (Pout*G) / ($4*\Pi*R^2$) (ref. OET Bulletin 65, equation 3)

where

Pd = power density in mW/cm2

Pout = output power to antenna in mW

G = gain of antenna in linear scale

$\Pi$ = 3.1416

R = distance between observation point and center of the radiator in cm

Worst case value

| Frequency (MHz) | Mode | Max. Power (dBm) | Antenna Gain (dBi) | Distance (cm) | Power Density ($mW/cm^2$) | Limit ($mW/cm^2$) |
|---|---|---|---|---|---|---|
| 912.31 | FHSS | 21.793 | 5.0 | 20 | 0.095 | 0.608 |