

For “**mobile or fixed devices**”, defined as transmitting devices designed to be generally used such that a separation distance of at least 20 cm is maintained between the body of the user and the transmitting radiated structure, Maximum Permissible Exposure (MPE) limits may be used with field strength or power density limit of 0.537 mW/cm^2 at 806 MHz or 0.597 mW/cm^2 at 896 MHz.

Output is specified at the antenna terminal of this module. This modular transmitter is only approved for OEM integration into final products that satisfy MPE categorical Exclusion Requirements of 2.1091 of the FCC rules. Accordingly the final product and its antenna must operate with:

- A. A minimum separation distance of 20 cm or more from all persons using an antenna with gain not exceeding 3dBd (or 5 dBi) in fixed or mobile applications or,
- B. A minimum separation distance of 25 cm or more from all persons using an antenna with gain not exceeding 6 dBd in fixed applications only or,
- C. A minimum separation distance of 35 cm or more from all persons using an antenna with gain not exceeding 9 dBd in fixed applications only or,
- D. A minimum separation distance of 50 cm or more from all persons using an antenna with gain not exceeding 12 dBd in fixed applications only.

Note: The use of an antenna with gain greater than 5dBi for Mobile applications will require an MPE measurement to satisfy the RF Exposure requirements of 2.1091 of the FCC rules and notification of the separation distance to all users and applicable documentation.

Separate approval is required for this module to operate in portable products with respect to 2.1093 of FCC rules.

If the Boomer-II OEM Modem Module is used in a mobile or fixed application and if the integrator uses one of the above antennae configurations the MPE limits will not be exceeded. In this case, the following clause should be included in the installation and user documentation:

"To satisfy FCC RF exposure requirements a separation distance of XX cm or more should be maintained between the antenna of this device and persons during device operation. To ensure compliance, operations at closer than this distance is not recommended."

Where the actual separation distance (XX) corresponds to the specific antenna configuration used as previously detailed.