

RF exposure compliance issues:

The unit uses a very low eirp level far below 1 milliwatt. If the entire rf output power were absorbed by 1 gram of tissue (not possible considering typical rf circuits), the SAR limit would still not be exceeded. Further, with a separation distance of 20cm or greater, the MPE limits are well above the potential a device like this is capable of producing.

On the other hand, the unit is used for automatic detection and identification, so it will neither be used in direct contact with nor in closer distances to persons.

Because of these issues the unit shall in all cases comply with the RF exposure requirements.