

RF exposure instructions

Pursuant to 47 CFR Part 2 of the FCC Rules and Regulations, this equipment is subject to the radio frequency radiation exposure requirements specified in Section 2.1091 and or § 2.1093, as appropriate. The EADS mobile configuration is intended to provide a means of communicating with a remote station in either configuration. As a desktop installation, the configuration is mobile and may be relocated easily and is subject to routine evaluation; in any event the RF exposure information specified in this document is applicable to either configuration. The mobile configuration is installed in a vehicle and uses a roof top mount antenna for transmission and reception.

EADS certifies that it has determined that both configurations meet the RF hazard requirements applicable to this equipment, as specified in Section 1.1310, operating under the authority of 47 CFR Part 90 of the FCC Rules and Regulations. This determination is dependent upon installation, operation and use of the equipment in accordance with all instructions provided.

The EADS system configured is defined by the FCC Rules as a mobile device which according to FCC definitions means that the device is designed to be used in other than fixed locations and generally in such a way that a separation distance of at least 20 cm (8 inches) is normally maintained between the transmitter's antenna and the body of the user or nearby persons. The following calculations show the determination of compliance with the FCC Rules.

The power output of the unit is 10 watts. The manufacturer specifies an omnidirectional rod antenna shall be used with 0 dBi gain.

MPE calculated energy level: Using 10 Watts EIRP, 20 cm separation distance, the calculated power density computed by dividing the EIRP by the surface area of a sphere of 20 cm diameter is 1.99 mW/cm^2 . This radio in either a mobile or desktop configuration is subject to a 50% duty cycle. Multiplying the above power density by 0.5 gives a result of 1 mW/cm^2 .

Based on the above, EADS certifies that the FCC requirements for mobile MPE limits for RF Exposure are met by their product.