



Statement of compliance to Maximum Permissible Exposure (MPE)

Applicant : TELE RADIO AB
Datavägen 21, SE-436 32 Askim, Sweden

Manufacturer : TELE RADIO AB
Datavägen 21, SE-436 32 Askim, Sweden

Equipment : Wireless Transceiver Radio Modular

Type/Model : D00005-09

According to §2.1091, §2.1093 and §1.1307(b), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

The $S = PG / (4\pi R^2)$

Where S = power density in mW/cm²

P = transmit power in mW

G = numeric gain of transmit antenna

R = distance (cm)

As we can see from the test reports SH12111056-001:

The maximum P = 15.23Bm = 33.343mW

The gain of antenna G = 3dBi = 1.995

R is chosen to be 20cm,

$S = PG / (4\pi R^2) = 33.343 * 1.995 / (4 * 3.14 * 20 * 20) = 0.013\text{mW/cm}^2$

This level is below the 1 mW/cm² MPE for General Population / Uncontrolled Exposure as stated in OET BULLETIN 65 Edition 97-01.

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Appendix I

Definition below must be outlined in the User Manual:

To satisfy FCC RF exposure requirements, a separation distance of 20 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.