

4. 4.) RF exposure
KDB 447498 D04 v01
§ 18.313

The device is an unintentional radiator.

Radiated emissions are below Class B limits, see section 4.3.

Following Alfonso Tarditi and Tim Harrington „RF Exposure Policies Updates on Draft KDB Publication 447498“ TCB Workshop 26.10.2022; and Alfonso Tarditi and Tim Harrington “RF Exposure Policies Updates” TCB Workshop 26.4.2025; the power is estimated based on Part 15B field strength measurements.

$$P = 4 \pi r^2 \frac{E^2}{Z_0}$$

From section 4.3: worst-case emission 36,7 dBµV/m @ 3 m distance

$$P_{rad} = \frac{4\pi * 3^2 * (68.4 * 10^{-6})^2}{120\pi} = 1.4 * 10^{-9}W$$

The 1 mW blanket exemption applies.

MP-5 3.1 is not applicable.

The device is “Blanket” exempt.