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Ust.- IdNr.: DE 138544145 St.- Nr.: 159/169/01507

Applicant's declaration concerning RF Radiation Exposure

The RAYTEL Compenser (Type: 203 0111 1) is designed to be used as mobile transceiver.

The external antenna used for this mobile transmitter must provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

A safety statement concerning minimum separation distance will be integrated in the user's manual to provide end-users with transmitter operating conditions for satisfying RF exposure compliance.

RF Human Exposure Analysis as per 47CFR § 1.1310

For transmitter operating in the 824 – 890 MHz range, paragraph 1.1310 Table 1 limits maximum permissible exposure (MPE) to f / 1500 mW/cm² for uncontrolled environments and f / 300 mW/cm² for controlled environments.

For transmitter operating in the 1850 – 1990 MHz range, paragraph 1.1310 Table 1 limits maximum permissible exposure (MPE) to 1.0 mW/cm² for uncontrolled environments and 5.0 mW/cm² for controlled environments.

The far field on-axis power flux density (W / cm²) is calculated using the following formula:

$$S = G * P_T / (4 * pi * R^2)$$

Calculations:

• Cellular Band 824-890 MHz - Limit 0.549 / 2.746

$$S = (1 * 2,377 + 10^3) / (4 * 3.14 * 20^2) = 0.473 \text{ mW/cm}^2 < \text{Limit}$$

• Cellular Band 1850-1990 MHz - Limit 1.0 / 5.0

$$S = (1 * 1.58 * 10^{3}) / (4 * 3.14 * 20^{2}) = 0.3144 \text{ mW/cm}^{2} < \text{Limit}$$

The RAYTEL Compenser (Type: 203 0111 1) keeps the above mentioned limit.

Place, date Dabendorf, 04.22.2004

Signature