

RF Exposure / SAR Statement

Applicant: Competition-Pool Inc.
Type of Equipment: 433.92MHz Wireless Thermometer Transmitter
Model No.: TMT-53590
FCC ID: VXRTMT53590
IC ID: 7597A-TMT53590

Competition-Pool Inc. declares that the model: TMT-53590 complies with FCC radiation exposure requirement specified in the FCC rules 2.1093(for portable)/2.1091(for mobile).

The "TMT-53590" has 0.126mW of EIRP.

The output of this of equipment is <60/frequency(GHz) mW(TCB Exclusion List), so that the SAR evaluation is excluded. The following calculation is the reference data for 20cm distance.

RF Exposure Calculations:

The following information provides the minimum separation distance for the highest gain antenna provided with the "TMT-53590" as calculated from FCC OET Bulletin 65 Appendix A, Table (B) Limits for General Population / Uncontrolled Exposure. This calculation is based on the highest EIRP possible from the system, considering maximum power and antenna gain, and considering a $1.0\text{mW}/\text{cm}^2$ uncontrolled exposure limit. The Friis formula use was:

$$S = (P \cdot G) / (4 \cdot \pi \cdot r^2)$$

Where

$P \cdot G = 0.126\text{mW}$ (Max eirp output power)

$R = 20.0\text{cm}$

For: TMT-53590 $S = 0.000025\text{mW}/\text{cm}^2$