RF Exposure / SAR Statement

No. : 31LE0213-SH-01

Applicant	:	**TAMIYA, INC.**
Type of Equipment	:	**Controller**
Model No.	:	**TTU-08**
FCC ID	:	**GHL0003**

TAMIYA, INC. declares that Model : Controller
complies with FCC radiation exposure requirement specified in the FCC Rules 2.1091.
The "TTU-08" has 27.86 mW of conducted Peak Output power and 45.6 mW of EIRP.
This equipment is considered as a mobile device so that SAR testing 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 "TTU-08" 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 1.0mW/cm^2 uncontrolled exposure limit. The Friis formula used was:

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

Where

P = 27.86 mW (Maximum peak output power)
G = 1.64 Numerical Antenna gain; equal 2.14 dBi
r = 20.0 cm

For: TTU-08 **S = 0.00907 mW/cm^2**

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