

RF Exposure / SAR Statement

No. : 30HE0215-SH-A

Applicant : TAMIYA, INC.
Type of Equipment : 2.4GHz Transceiver unit for control model
Model No. : 2.4GTU-01
FCC ID : GHL0001

TAMIYA, INC. declares that Model : 2.4GHz Transceiver unit for control model complies with FCC radiation exposure requirement specified in the FCC Rules 2.1093. The "2.4GTU-01" has 1.08 mW of conducted Peak Output power and 1.41 mW of EIRP. This kind of equipment is below 60/frequency[MHz] W (TCB Exclusion List) 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 "2.4GTU-01" 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/cm² uncontrolled exposure limit. The Friis formula used was:

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

Where

P = 1.08 mW (Maximum peak output power)
G = 1.31 Numerical Antenna gain; equal 1.16 dBi
r = 20.0 cm

For: 2.4GTU-01

$$S = 0.00028 \text{ mW/cm}^2$$

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