

RF Exposure / MPE Calculation

No. : 29CE0117-HO-01

Applicant : YAMAHA CORPORATION
Type of Equipment : YAMAHA Wi-Fi PCB
Model No. : WR11780
FCC ID : A6RYMC700A
IC Number : 740B-YMC700A

YAMAHA CORPORATION declares that Model : WR11780
complies with FCC radiation exposure requirement specified in the FCC Rules 2.1091 (for mobile).

RF Exposure Calculations:

The following information provides the minimum separation distance for the highest gain antenna provided with the "WR11780" 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 = 84.92 mW (Maximum peak output power)
G = 1.51 Numerical Antenna gain; equal 1.80 dBi
r = 20.0 cm

For: WR11780

$$S = 0.02557 \text{ mW/cm}^2$$

UL Japan, Inc.

Head Office EMC Lab.

4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

Telephone : +81 596 24 8116

Facsimile : +81 596 24 8124