RF Exposure Statement

No. : 23GE0067-HO-2

Applicant : YAMAHA CORPORATION
Type of Equipment : DIGITAL AUDIO SERVER
Model No. : MCX-1000
FCC ID : A6RMCX1000A

RF Exposure Statement:
YAMAHA CORPORATION declares that Model : MCX-1000 complies with FCC radiation exposure requirement specified in the FCC Rules 2.1093(2).
MCX-1000 has 117.49mW of conducted Peak output power and 186.21mW of EIRP.
(Antenna gain : 2.0dBi)
According to RF output power of this module transmitter, values for both Conducted peak output power and EIRP are below 5mW.This kind of equipment hardly ever go over SAR value limited of 1.6W/Kg for public resident which is regulated by "OET Bulletin 65, Supplement C".

RF Exposure Calculations:
The following information provides the minimum separation distance for the highest gain antenna provided with the “MCX-1000” as calculated from FCC OET 65 Appendix B, 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 1.0m W/cm^2 uncontrolled exposure limit. The Friis formula used was:

$$S = (P * G) / (4 * \pi * r^2) \quad \text{or} \quad r = \sqrt{(P * G) / (4 * \pi * S)}$$

Where S = 1.0 mW/cm^2 for 2400 MHz
P = 117.49mW (Maximum Conducted Power)
G = 1.58(Numerical Antenna gain; equal to 2.0 dBi)
r = Minimum safe distance from antenna (cm)

For: MCX-1000 r = 3.84cm

Notes in Installation Manual:
For FCC:
This equipment complies with FCC radiation exposure limits set forth for uncontrolled equipment. This equipment should be installed and operated with a minimum distance of at least 20cm between the radiator and the persons body (excluding extremities: hands, wrists, feet, and legs) and must not be co-located or operated with any other antenna or transmitter.

For Industry Canada:
The installer of the radio equipment must ensure that the antenna is located or pointed such that it does not emit RF field in excess of Health Canada limits for the general population: consult Safety Code 6, obtainable from Health Canada’s website www.hc-sc.gc.ca/rpb

---

UL Apex Co., Ltd.
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