RF Exposure / MPE Calculation
No. : 29KE0002-HO-02-A

Applicant	:	**YAMAHA CORPORATION**
Type of Equipment	:	**Wireless Transmitter for iPod**
Model No.	:	**YIT-W11TX**
FCC ID	:	**A6RYITW11TXA**
IC Number	:	**740B-YITW11TXA**

YAMAHA CORPORATION declares that Model : YIT-W11TX
complies with FCC radiation exposure requirement specified in the FCC Rules 2.1093(for portable).

The "YIT-W11TX" has 6.63 mW of conducted Peak Output power and 13.94 mW of EIRP.
This kind of equipment is below 60/frequency[GHz] mW(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 "YIT-W11TX" 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 =	**6.63**	**mW (Maximum peak output power)**
G =	**2.10**	**Numerical Antenna gain; equal to** **3.23 dBi**
r =	**20.0**	**cm**

For: YIT-W11TX $S =$ **0.00277 mW/cm^2**

* This EUT has two antennas, Antenna A and Antenna B.

	Antenna A	Antenna B
Conducted peak output power	6.63 mW	7.52 mW
Antenna gain	3.23 dBi	-0.28 dBi

The value of Antenna A which had larger EIRP was used for calculation of MPE.