RF Exposure / MPE Calculation

No. : 28BE0083-HO-B

Applicant : Panasonic Communications Co., Ltd.
Type of Equipment : Cordless Telephone (Base)
Model No. : KX-TG4321
FCC ID : ACJ96NKX-TG4321

Panasonic Communications Co., Ltd. declares that Model : KX-TG4321
complies with FCC radiation exposure requirement specified in the FCC Rules 2.1093(for portable)/2.1091 (for mobile).

The "KX-TG4321" has 115.88 mW of conducted Peak Output power and 231.21 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 "KX-TG4321" 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 = 115.88 mW (Maximum peak output power)
G = 2.00 Numerical Antenna gain; equal 3.00 dBi
r = 20.0 cm

For: KX-TG4321 **S = 0.04600 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