

RF Exposure / MPE Calculation

No. : 27FE0369-HO

Applicant : Panasonic Communications Co., Ltd.
Type of Equipment : Cordless Telephone (Base)
Model No. : BB-GT1540
FCC ID : ACJ96NBB-GT1540

Panasonic Communications Co., Ltd. declares that Model : BB-GT1540 complies with FCC radiation exposure requirement specified in the FCC Rules 2.1093(for portable)/2.1091 (for mobile).

The “BB-GT1540“ has 101.86 mW of conducted Peak Output power and 203.24 mW of EIRP. 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 “BB-GT1540“ 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 = 101.86 mW (Maximum peak output power)
G = 2.00 Numerical Antenna gain; equal 3.00 dBi
r = 20.0 cm

For: BB-GT1540

$$S = 0.04043 \text{ mW/cm}^2$$

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