

## **RF Exposure / SAR Statement**

### **No. : 11008648S-G**

|                          |          |                              |
|--------------------------|----------|------------------------------|
| <b>Applicant</b>         | <b>:</b> | <b>Panasonic Corporation</b> |
| <b>Type of Equipment</b> | <b>:</b> | <b>Car Audio System</b>      |
| <b>Model No.</b>         | <b>:</b> | <b>AT1602</b>                |
| <b>FCC ID</b>            | <b>:</b> | <b>ACJ932AT1602</b>          |

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Panasonic Corporation declares that Model : AT1602  
complies with FCC radiation exposure requirement specified in the FCC Rules 2.1091.

### **RF Exposure Calculations:**

The following information provides the minimum separation distance for the highest gain antenna provided with the "AT1602" as calculated from FCC Part 1, §1.1310, TABLE 1 (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<sup>2</sup> uncontrolled exposure limit. The Friis formula used was:

$$S = (P * G) / (4 * \pi * r^2)$$

**Where**

|            |              |                                          |                  |
|------------|--------------|------------------------------------------|------------------|
| <b>P =</b> | <b>26.00</b> | <b>mW (Maximum average output power)</b> |                  |
| <b>G =</b> | <b>0.89</b>  | <b>Numerical Antenna gain; equal to</b>  | <b>-0.53 dBi</b> |
| <b>r =</b> | <b>20.0</b>  | <b>cm</b>                                |                  |

**For: AT1602**

$$S = 0.00458 \text{ mW/cm}^2$$

Even taking into account the tolerance, this device can be satisfied with the limits.

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