

RF Exposure / SAR Statement
No. : 10399701S-H-R1

Applicant : **Clarion Co., Ltd.**
Type of Equipment : **Navigation Unit**
Model No. : **QY-5092**
Similar Model : **PH-3709, QY-5099, QY-5089**
FCC ID : **AX2QY5099**

Clarion Co., Ltd. declares that Model : QY-5092
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 "QY-5092" 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/cm² uncontrolled exposure limit. The Friis formula used was:

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

Where

P = 22.08 mW (Maximum average output power)
G = 0.77 Numerical Antenna gain; equal to -1.11 dBi
r = 20.0 cm

For: QY-5092

$$S = 0.00340 \text{ mW/cm}^2$$

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

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