

RF Exposure / SAR Statement
No. : 10399701S-F

Applicant	:	Clarion Co., Ltd.
Type of Equipment	:	Navigation Unit
Model No.	:	QY-5092
Similar Model	:	PH-3709, QY-5099, QY-5089
FCC ID	:	AX2QY5092

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 =	1.44 mW (Maximum average output power)
G =	0.77 Numerical Antenna gain; equal to -1.11 dBi
r =	20.0 cm

For: QY-5092

$$S = 0.00022 \text{ mW/cm}^2$$

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

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