RF Exposure / SAR Statement
No. : 10705692S-K

Applicant	:	**Clarion Co., Ltd.**
Type of Equipment	:	**Navigation Unit**
Model No.	:	**QY-5120, PH-3782**
FCC ID	:	**AX2QY5120**

Clarion Co., Ltd. declares that Model : QY-5120, PH-3782
complies with FCC radiation exposure requirement specified in the FCC Rules 2.1091.
* The results for QY-5092 is used, since QY-5092, QY-5120 and PH-3782 has the identical RF output power.

RF Exposure Calculations:

The following information provides the minimum separation distance for the highest gain antenna provided with the "QY-5120, PH-3782" 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^2 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 =	**2.00**	**Numerical Antenna gain; equal to**	**3.00 dBi**
r =	**20.0**	**cm**	

For: QY-5120, PH-3782 **S = 0.00057 mW/cm^2**

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

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