RF Exposure / SAR Statement (Reference)
No. : 10399701S-F/H-R1

Applicant	**:**	**Clarion Co., Ltd.**
Type of Equipment	**:**	**Navigation Unit**
Model No.	**:**	**QY-5092**
Similar Model No.	**:**	**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/cm^2 uncontrolled exposure limit. The Friis formula used was:

$$S = ((P1 + P2) * G) / (4* \pi * r^2)$$

Where

P1 =	**22.08**	**mW (Maximum average output power)** *1)
P2 =	**1.44**	**mW (Maximum average output power)** *2)
G =	**0.77**	**Numerical Antenna gain; equal to -1.11 dBi**
r =	**20.0**	**cm**

For: QY-5092 **S = 0.00362 mW/cm^2**

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

*1) Wireless LAN value
*2) Bluetooth value

This calculation was made to show that the EUT complies with the limit in simultaneous transmitting□

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