

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

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

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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<sup>2</sup> uncontrolled exposure limit. The Friis formula used was:

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

**Where**

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

**For: QY-5092**

$$S = 0.00362 \text{ mW/cm}^2$$

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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