

**RF Exposure / SAR Statement (Reference)**  
**No. : 10705692S-A/B**

**Applicant** : **Clarion Co., Ltd.**  
**Type of Equipment** : **Navigation Unit**  
**Model No.** : **QY-5111**  
**FCC ID** : **AX2QY5092**

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Clarion Co., Ltd. declares that Model : QY-5111  
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-5111” 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

**P1 = 22.08 mW (Maximum average output power) \*1)**  
**P2 = 1.44 mW (Maximum average output power) \*2)**  
**G = 2.00 Numerical Antenna gain; equal to 3.00 dBi**  
**r = 20.0 cm**

**For: QY-5111**

$$S = 0.00934 \text{ mW/cm}^2$$

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 of Wireless LAN and Bluetooth.

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