

RF Exposure / SAR Statement
No. : 10248551S

Applicant : **Yokogawa Electric Corporation**
Type of Equipment : **Field Wireless Communication Module**
Model No. : **FN110**
FCC ID : **SGJ-WFC011**

Yokogawa Electric Corporation declares that Model : Field Wireless Communication Module 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 "FN110" 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 = 16.03 mW (Maximum peak output power)
G = 1.58 Numerical Antenna gain; equal 2.00 dBi
r = 20.0 cm

For: FN110

$$S = 0.00505 \text{ mW/cm}^2$$

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