

RF Exposure Statement

No. : 26GE0203-HO

Applicant : FURUNO SYSTEMS Co., Ltd.
Type of Equipment : WLAN module (IEEE802.11a)
Model No. : SS21M
FCC ID : T87SS21ABGXM

FURUNO SYSTEMS Co., Ltd. declares that Model : WLAN module (IEEE802.11a)
complies with FCC radiation exposure requirement specified in the FCC Rules 2.1093(for portable)/2.1091 (for mobile).

RF Exposure Calculations:

The following information provides the minimum separation distance for the highest gain antenna provided with the “SS21M” as calculated from FCC OET Bulletin 65 Appendix A, Table (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 = 157.40 mW (Maximum peak output power)
G = 1.68 Numerical Antenna gain; equal **2.25 dBi**
r = 20.0 cm

For: SS21M

$$S = 0.05257 \text{ mW/cm}^2$$