

RF Exposure / MPE Calculation

No. : 32EE0038-HO-A

Applicant : Furuno USA Inc
Type of Equipment : Wireless LAN module
Model No. : WLAN-USB-01
FCC ID : ADB9ZW19P1079

Furuno USA Inc declares that Model : WLAN-USB-01
complies with FCC radiation exposure requirement specified in the FCC Rule 2.1091 (for mobile).

RF Exposure Calculations:

The following information provides the minimum separation distance for the highest gain antenna provided with the "WLAN-USB-01" 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 = 198.15 mW (Maximum peak output power)
G = 1.55 Numerical Antenna gain; equal to 1.90 dBi
r = 20.0 cm

For: WLAN-USB-01

$$S = 0.06106 \text{ mW/cm}^2$$

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