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Report #: 2004164 FCC ID: ATH2425111

Model: 242-51xx

Standards: FCC Part 90 &IC RSS-119

Date: November 4, 2004

APPENDIX A: RF EXPOSURE

FCC Rules and Regulations Part 1.1307, 1.1310, 2.1091, 2.1093:

THIS DEVICE IS CATEGORICALLY EXCLUDED FROM RF EXPOSURE EVALUATION PER THE TCB **EXCLUSION LIST DATED 17 JULY 2002.**

The worst case EIRP was 4.4 W at 150 MHz. Plugging this value into the occupation low threshold equation from the bottom of the TCB exclusion list gives the following:

900/f(GHz) = 900 / 0.150 = 6,000 mW = 6 W.

Additionally, the EIRP was 1.4 W at 174 MHz. Plugging this value into the occupation low threshold equation from the bottom of the TCB exclusion list gives the following:

900/f(GHz) = 900 / 0.174 = 5,172 mW = 5.2 W.

The power from this radio is below the low threshold. Additionally, this is a PTT radio with a maximum duty cycle of 50%, which would make the margin even greater between the power seen in actual use and the low threshold.

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