Job #: 963773 Project #: 08CA25749 File #: MC15947 Page 56 of 59

Model Number: ITCS-A-100
Client Name: RF Controls LLC

4.10 RF Exposure / SAR Statement

RF Controls LLC declares that Model: ITCS-A-100 complies with FCC radiation exposure requirement specified in the FCC rules 2.1091. The ITCS-A-100 has 517.6mW of conducted Peak Output power and 3.745W EIRP. This equipment is considered as mobile. The Following calculation is the reference data for 20cm distance.

The following information provides the minimum separation distance for the antenna provided with the ITCS-A-100 as calculated from FCC OET Bulleting 65, Appendix A, Table A Limits for Occupational / Controlled Exposure. This calculation is based on the highest EIRP possible from the system, considering maximum power used and antenna gain, and considering a 3.0mW/cm^2 controlled exposure limit. The following formula was used.

 $S = (P*G)/(4*PI*r^2)$

P = 517.6mW (27.14dBm) G = 7.24 (8.6dBi) r = 20cm

from the above: $S = 0.746 \text{mW/cm}^2$