FCC ID: CB2SAHL5C

RF Exposure/ S A R Statement
Applicant: Johnson Controls, Inc.
Model: SAHL5C

Calculations:

The following information provides the minimum separation distance for the antenna as part of the design for the "SAHL5C" as calculated from the 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 f/1500mW/cm^2 (0.601mW/cm^2) uncontrolled exposure limit. The power density formula used was:

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

Where

P = 12.1dBm (Maximum Power Output Power)
G = 6.02dB (Numerical Antenna Gain, 7.8dBi)
R = 20.0cm

(P*G) = 18.12dBm
Converting 18.12dBm to mW =64.8mW

The Power Density S = 0.0129mW/cm^2
which is less than the above limit.