Company: iControl Incorporated

Assessment of: iControl iCHIME3.3

To: FCC CFR 47 Part 15 RF Exposure requirements
Industry Canada RSS-102

No.: ICON12 – iCHIME3.3 MPE

MPE TEST REPORT

MPE REPORT

FROM

Assessment of: iControl Incorporated iControl iCHIME3.3
to

To: FCC CFR 47 Part 15 RF Exposure requirements
Industry Canada RSS-102

Test Report Serial No.: ICON12 – iCHIME3.3 MPE

This report supersedes: NONE

Applicant:	iControl Incorporated 3235 Kifer Rd, Suite 260 Santa Clara, 95051 USA
Product Function:	Asset Tracking
Issue Date:	28th August 2015

This Test Report is Issued Under the Authority of:

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1. MAXIMUM PERMISSABLE EXPOSURE

Calculations for Maximum Permissible Exposure Levels
Power Density = Pd (mW/cm^2) = EIRP/(4*π*d^2)
EIRP = P * G
P = Peak output power (mW)
G = Antenna numeric gain (numeric)
d = Separation distance (cm)
Numeric Gain = 10 ^ (G (dBi)/10)
Because the EUT belongs to the General Population/Uncontrolled Exposure the limit of power density is 1.0 mW/cm^2

The calculations in the table below use the highest conducted power values together with the lowest antenna gain specified for the EUT. These calculations represent worst case in terms of the exposure levels.

Freq. Band (MHz)	Ant Gain (dBi)	Numeric Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Calculated Safe Distance (cm) @ 1mW/cm^2	Calculated Power Density (mW/cm^2) @ 20cm	Minimum Separation Distance (cm)
2400.0 - 2483.5	3.50	2.24	4.70	2.95	0.72	0.001	20.00

Note: for mobile or fixed location transmitters the minimum separation distance is 20cm, even if calculations indicate the MPE distance to be less.

Specification
Maximum Permissible Exposure Limits

FCC §1.1310 Limit = 1mW / cm^2 from 1.310 Table 1

RSS-Gen §3.2 In addition to RSS-Gen, the requirements in Radio Standards Specification RSS-102 shall be met.

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