Company: iControl Incorporated

Assessment of: iControl iTAG3.3

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

No.: ICON12 - iTAG3.3 MPE

MPE TEST REPORT





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

Test Report Serial No.: ICON12 - iTAG3.3 MPE

This report supersedes: NONE

- Applicant: iControl Incorporated 3235 Kifer Rd, Suite 260 Santa Clara, 95051 USA
- Product Function: Asset Tracking
 - Issue Date: 10th 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/cm²) = EIRP/(4* π *d²) 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 @ 1mW/cm ²	Calculated Power Density @ 20cm	Minimum Separation Distance (cm)
2400.0 - 2483.5	3.50	2.24	19.77	94.84	4.11	0.04	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.



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Specification Maximum Permissible Exposure Limits

FCC §1.1310 Limit = 1mW / cm² 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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