

Information about the Applicant

Company Name	Itronix Corporation
Grantee	Richard Sargent
Address	12825 E. Mirabeau Parkway
City, State, Zip	Spokane Valley, WA 99216
Job Number	SPTE0016
Model	IX600-IWL
FCC ID	KBCIX600-IWL
Agent	Rod Munro
Approval Type	Class II Permissive Change
Equipment Class	See Forms
Rule Part	See Forms

Industry Canada Information

Model	
Industry Canada ID	
Rule Part	

Overview

See letter provided by client

Recommendation

All items have been resolved and completed to my satisfaction; therefore I recommend this application for approval.

Signature

3/20/2006

Dean Ghizzone, TCB Committee

Findings	
Specification	Finding
47 Cfr 15.203	Antenna Requirements
Finding	The necessary information was not found.
Resolution	Information has been provided that demonstrates the equipment is only for professional installation, therefore meeting the requirements of 15.203

Opinions	
Specification Requirements	Description
47 Cfr 2.1033(b)(3)	Installation guide, operating instructions, user manual
Opinion	The device meets the requirements of the rule.
Discussion	The client has provided the necessary exhibit.
Reference	User Manual.pdf

Specification Requirements	Description
47 cfr 2.1033(b)(6)	Test Report
Opinion	The device meets the requirements of the rule.
Discussion	The client has provided the necessary exhibit.
Reference	Report.pdf

Specification Requirements	Description
47 Cfr 2.1033(b)(6)	Conversions showing how the test results were achieved
Opinion	The device meets the requirements of the rule.
Discussion	The client has provided the necessary exhibit.
Reference	Report.pdf

Specification Requirements	Description
47 Cfr 2.1033(b)(7)	Internal photos
Opinion	The device meets the requirements of the rule.
Discussion	The client has provided the necessary exhibit.
Reference	Internal Photos.pdf

Specification Requirements	Description
Required Exhibit	Test Setup Photo Exhibit
Opinion	The device meets the requirements of the rule.
Discussion	The client has provided the necessary exhibit.
Reference	Set up Photos.pdf

Specification Requirements	Description
47 Cfr 1.1307(b),2.1091,2.1093	RF Exposure Hazzard
Opinion	The RF Exposure exhibit does not meet the specified requirement.
Discussion	1) The MPE estimates you provided, state a duty cycle of 1/8. I believe that is true for a standard voice GSM product, the information I have readily available suggests a duty cycle considerable higher for the GSM/GPRS module with integrated EDGE technology. Please provide documentation to support the 1/8 duty cycle. 2) The RF exposure exhibit states: If source based time averaging is considered, the power density at 20 cm can be further reduced [per 2.1091(d)(2)]. The EUT is a GSM radio so the time-averaged power density is actually 4/8 the value of the un-modulated carrier. With source-based time averaged applied the power density becomes 0.492 mW/cm². I believe you meant the 0.492 to be the "Ratio of Power Density to the Exposure Limit" not the actual power density? The applicant has provided updated RF exposure exhibits correcting the problem.
Reference	MPE Estimates.pdf

Specification Requirements	Description
47 Cfr 15.19	Labeling
Opinion	The device meets the requirements of the rule.
Discussion	The client has provided the necessary exhibit.
Reference	User Manual.pdf, Label.pdf

Specification Requirements	Description
47 Cfr 15.21	Information for user
Opinion	The device meets the requirements of the rule.
Discussion	The client has provided the necessary exhibit.
Reference	User Manual.pdf

Specification Requirements	Description
47 Cfr 15.33	Frequency range of tests
Opinion	The device meets the requirements of the rule.
Discussion	The client has provided the necessary exhibit.
Reference	Report.pdf

Specification Requirements	Description
47 Cfr 15.35	Measurement detectors
Opinion	The device meets the requirements of the rule.
Discussion	The client has provided the necessary exhibit.
Reference	Report.pdf

Specification Requirements	Description
ANSI C63.4 EUT Ports	All EUT ports populated,emissions maximized,Antenna height adjusted
Opinion	The device meets the requirements of the rule.
Discussion	The client has provided the necessary exhibit.
Reference	Report.pdf

Specification Requirements	Description
47 Cfr 15.203	Antenna Requirements
Opinion	The device does not meet the requirements of the rule.
Discussion	Section 15.203 Antenna requirement. An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this Section. Information has been provided that demonstrates the equipment is only for professional installation, therefore meeting the requirements of 15.203
Reference	Antenna Info.pdf

Specification Requirements	Description
47 Cfr 15.205	Restricted bands
Opinion	The device meets the requirements of the rule.
Discussion	The client has provided the necessary exhibit.
Reference	Report.pdf

Specification Requirements	Description
47 Cfr 15.209	Spurious Emissions
Opinion	The device meets the requirements of the rule.
Discussion	The client has provided the necessary exhibit.
Reference	Report.pdf

Specification Requirements	Description
47 Cfr 15.247(d)	Band Edge Compliance
Opinion	The device meets the requirements of the rule.
Discussion	The client has provided the necessary exhibit.
Reference	Report.pdf

Specification Requirements	Description
47 Cfr 15.247(d)	Spurious Radiated Emissions
Opinion	The device meets the requirements of the rule.
Discussion	The client has provided the necessary exhibit.
Reference	Report.pdf

Specification Requirements	Description
CB-03 6.0	Labeling Requirements
Opinion	The device meets the requirements of the rule.
Discussion	The client has provided the necessary exhibit.
Reference	ID Label.pdf