

Test Report Serial No.:	061506KBC-T757-E15W		Issue 1
Test Date(s):	28Jun04 - 29Jul04, 22Oct04		
Test Type(s):	FCC §15.247 IC RSS-210 Issue 5		
Lab Registration(s):	FCC #714830	IC Lab	File #3874

Appendix D - Maximum Permissible Exposure Calculation

D.1. REFERENCES	
Normative Reference Standard	FCC CFR 47§1.1310 IEEE Std C95.1-1999
Procedure Reference	FCC CFR 47§2.1091

D.2. LIMITS	
FCC CFR 47§1.1310 Table 1(b)	1.0 mW/cm ²

D.3. ENVIRONMENTAL CONDITIONS				
Temperature	na			
Humidity	na			
Barometric Pressure	na			

D.4. EQUIPMENT LIST							
ASSET NUMBER	MANUFACTURER	MODEL	DESCRIPTION	LAST CAL	CAL DUE		
na							

D.5. MEASUREMENT EQUIPMENT SETUP					
MEASUREMENT EQUIPMENT CONNECTIONS	The results described herein were determined by calculation, so no measurement equipment was used.				
MEASUREMENT EQUIPMENT SETTINGS	na				

D.6. SETUP PHOTOS	
na	

D.7. SETUP DRAWINGS	
na	

D.8. DUT OPERATING DESCRIPTION	
na	

Applicant:	Itronix C	orporation	IC ID:	Not applicable	FCC ID:	KBCIX260PROAC860		ITRONIX	
Rugged La	ptop PC wi	th Intel Pro 2	200BG 80	2.11b/g WLAN Mini-I				A GENERAL DYNAMICS COMPANY	
2006 Celltech	2006 Celltech Labs Inc. This document is not to be reproduced in whole or in part without the written permission of Celltech Labs Inc.						26 of 77		



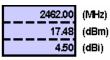
Test Report Serial No.:	061506KBC-T	Issue 1	
Test Date(s):	28Jun04 - 29Jul04, 22Oct04		
Test Type(s):	FCC §15.247 IC RSS-210 Issue		
Lab Registration(s):	FCC #714830	IC Lab	File #3874

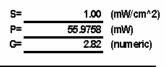
D.9. TEST RESULTS

Calculation:

RangeStar Internal Antenna (802.11b mode):

Tx Frequency: Power at Antenna Input Terminal: Antenna gain:

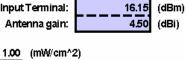




S (mw/cm^2) at 20cm = 0.031351575

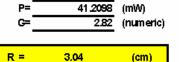
RangeStar Internal Antenna (802.11g mode):

Tx Frequency:
Power at Antenna Input Terminal:
Antenna gain:



2462.00

(MHz)



S (mw/cm^2) at 20cm = 0.023081252

Formulae:

S = PG where: S = Power Density Limit

P = Power Applied to the Antenna

Results:

Mode	Power Density Limit	RF Conducted Output Power	Antenna Gain	MPE Distance	Power Density at 20 cm
	mW/cm ²	dBm	dBi	cm	mW/cm ²
802.11b	1.0	17.48	4.5	3.54	0.031
802.11g	1.0	16.15	4.5	3.04	0.023

Applicant:	ant: Itronix Corporation		IC ID:	Not applicable	FCC ID:	KBCIX260PROAC860		ITRONIX °	
								ERAL DYNAMICS COMPANY	
2006 Celltech	Labs Inc.	This document is not to be reproduced in whole or in part without the written permission of Celltech Labs Inc.							27 of 77



Test Report Serial No.:	061506KBC-T	Issue 1			
Test Date(s):	28Jun04 - 29Jul04, 22Oct04				
Test Type(s):	FCC §15.247	IC RSS-2	10 Issue 5		
Lab Registration(s):	FCC #714830	IC Lab	File #3874		

D.10. PASS/FAIL

In reference to the results outlined in D.9 the DUT passes the requirements as stated in the reference standards as follows:

1) The DUT must comply with the minimum spacing requirement of 20 cm to ensure an exposure of not more than 1 mW/cm².

D.11. SIGN-OFF

I attest to the accuracy of the data. All measurements reported herein were performed by me and are correct to the best of my knowledge and belief. I assume full responsibility for the completeness of these measurements.

Russell Pipe

Senior Compliance Technologist

M W. Pype

Celltech Labs Inc.

04Aug04

Date

Applicant:	Itronix Corporation		IC ID:	Not applicable	FCC ID:	KBCIX260PROAC860		ITRONIX °	
Rugged Laptop PC with Intel Pro 2200BG 802.11b/g WLAN Mini-PCI Card Mode						Model:	IX260PROAC860	A GENERAL DYNAMICS COMPANY	
2006 Celltech	h Labs Inc.	abs Inc. This document is not to be reproduced in whole or in part without the written permission of Celltech Labs Inc.							28 of 77